

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
 Data File : BM049952.D
 Acq On : 16 Apr 2025 14:46
 Operator : RC/JU
 Sample : Q1791-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VB16164

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049952.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.887	317	323	333	rBV	2018785	2711551	13.09%	1.234%
2	5.357	391	403	416	rBV	5291574	7739676	37.37%	3.522%
3	5.963	500	506	512	rBV	685609	976580	4.72%	0.444%
4	6.769	636	643	657	rBV	1022408	1500346	7.24%	0.683%
5	6.945	665	673	679	rBV	4131562	6676719	32.24%	3.038%
6	7.004	679	683	695	rVB3	368829	722105	3.49%	0.329%
7	7.110	695	701	706	rBV	336205	507071	2.45%	0.231%
8	7.616	782	787	792	rBV	355687	544829	2.63%	0.248%
9	7.763	799	812	820	rVB2	4114581	6816201	32.91%	3.102%
10	7.904	830	836	843	rVB	1274111	1885634	9.10%	0.858%
11	8.004	847	853	862	rVV	4122025	7361620	35.54%	3.350%
12	8.186	880	884	890	rVB	406172	587375	2.84%	0.267%
13	8.257	890	896	901	rBV	1218717	1919078	9.27%	0.873%
14	8.316	901	906	910	rBV	3483421	5447951	26.30%	2.479%
15	8.451	920	929	934	rBV	4313777	6537908	31.57%	2.975%
16	8.516	934	940	945	rVV2	593769	1098344	5.30%	0.500%
17	8.581	945	951	955	rVV3	222207	512294	2.47%	0.233%
18	8.657	955	964	967	rVV	2394934	4447505	21.47%	2.024%
19	8.686	967	969	975	rVB	1463939	1715464	8.28%	0.781%
20	8.810	982	990	998	rBV4	921714	2323864	11.22%	1.057%
21	8.928	998	1010	1014	rVV	3970899	7800715	37.66%	3.550%
22	8.963	1014	1016	1021	rVV3	636841	1347304	6.50%	0.613%
23	9.010	1021	1024	1032	rVB	958978	1526104	7.37%	0.694%
24	9.092	1032	1038	1045	rBV2	238100	573181	2.77%	0.261%
25	9.292	1065	1072	1077	rBV3	446284	890804	4.30%	0.405%
26	9.351	1077	1082	1087	rVV2	1053806	1691638	8.17%	0.770%
27	9.851	1161	1167	1171	rBV2	305801	609371	2.94%	0.277%
28	9.945	1179	1183	1185	rBV	296999	421699	2.04%	0.192%
29	9.980	1185	1189	1196	rVB	1286656	2028528	9.79%	0.923%
30	10.051	1196	1201	1205	rBV	816837	1310488	6.33%	0.596%
31	10.086	1205	1207	1213	rVB	423138	522006	2.52%	0.238%
32	10.151	1213	1218	1229	rVB2	371722	653824	3.16%	0.298%
33	10.563	1278	1288	1293	rBV	1835564	3509266	16.94%	1.597%
34	11.404	1425	1431	1439	rBV3	202959	436533	2.11%	0.199%
35	11.486	1440	1445	1451	rVB	275824	466149	2.25%	0.212%
36	11.592	1458	1463	1474	rVB	569600	1022094	4.93%	0.465%

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Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.992	1524	1531	1538	rBV	1333942	2099877	10.14%	0.956%
38	12.216	1563	1569	1574	rVB	268256	535432	2.59%	0.244%
39	12.633	1634	1640	1643	rBV3	333570	558548	2.70%	0.254%
40	12.674	1643	1647	1654	rVV3	321011	706404	3.41%	0.321%
41	12.810	1666	1670	1675	rVB	449157	645174	3.11%	0.294%
42	12.898	1681	1685	1690	rBV	431834	620829	3.00%	0.283%
43	12.957	1690	1695	1699	rVV	1110623	1495678	7.22%	0.681%
44	13.033	1699	1708	1716	rVB	11664873	16827914	81.25%	7.657%
45	13.245	1737	1744	1751	rBV	2507904	4096203	19.78%	1.864%
46	13.316	1751	1756	1764	rBV3	681602	1386270	6.69%	0.631%
47	13.768	1828	1833	1838	rBV3	408494	819604	3.96%	0.373%
48	13.815	1838	1841	1847	rVV2	377308	498596	2.41%	0.227%
49	13.880	1847	1852	1853	rVV2	484112	640661	3.09%	0.292%
50	13.904	1853	1856	1859	rVV2	981457	1238139	5.98%	0.563%
51	13.945	1859	1863	1871	rVB	664627	1010830	4.88%	0.460%
52	14.021	1871	1876	1880	rVB	570078	727676	3.51%	0.331%
53	14.315	1921	1926	1931	rBV	1482909	1939148	9.36%	0.882%
54	14.410	1935	1942	1950	rBV	3133820	5728015	27.66%	2.607%
55	14.762	1994	2002	2008	rBV2	759024	1736649	8.38%	0.790%
56	14.815	2008	2011	2016	rVB	565269	710112	3.43%	0.323%
57	14.874	2017	2021	2026	rBV	522158	696688	3.36%	0.317%
58	14.933	2027	2031	2038	rBV2	592100	845669	4.08%	0.385%
59	15.004	2039	2043	2050	rVV	618544	795389	3.84%	0.362%
60	15.268	2085	2088	2094	rVB	640939	812058	3.92%	0.370%
61	15.333	2094	2099	2103	rBV	901323	1637469	7.91%	0.745%
62	15.398	2107	2110	2113	rVV	427540	549529	2.65%	0.250%
63	15.457	2117	2120	2124	rVB2	362310	441865	2.13%	0.201%
64	15.574	2136	2140	2146	rVB	313395	461139	2.23%	0.210%
65	15.657	2149	2154	2157	rBV2	1204157	1965997	9.49%	0.895%
66	15.715	2161	2164	2169	rVB	622601	751719	3.63%	0.342%
67	15.768	2169	2173	2179	rVB	1094450	1442946	6.97%	0.657%
68	15.827	2179	2183	2188	rBV	627703	891124	4.30%	0.406%
69	15.904	2190	2196	2205	rVB	9419897	13786121	66.56%	6.273%
70	16.127	2230	2234	2237	rBV	637991	892248	4.31%	0.406%
71	16.174	2237	2242	2247	rVV3	782404	1618309	7.81%	0.736%
72	16.304	2261	2264	2268	rVB2	397593	518195	2.50%	0.236%
73	16.368	2269	2275	2279	rVV3	617893	981133	4.74%	0.446%
74	16.474	2288	2293	2297	rVV	997854	1754939	8.47%	0.799%
75	16.533	2301	2303	2308	rVB	436802	502510	2.43%	0.229%
76	16.592	2309	2313	2316	rBV	469485	551663	2.66%	0.251%

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 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	16.704	2329	2332	2335	rBV	391720	483391	2.33%	0.220%
78	16.762	2339	2342	2348	rVB3	375207	583155	2.82%	0.265%
79	16.921	2365	2369	2372	rBV	703336	837176	4.04%	0.381%
80	16.974	2372	2378	2382	rVV2	590287	1129955	5.46%	0.514%
81	17.080	2393	2396	2400	rVB2	354170	431771	2.08%	0.196%
82	17.156	2404	2409	2417	rVV2	3381303	4749118	22.93%	2.161%
83	17.227	2418	2421	2429	rVB3	405726	698686	3.37%	0.318%
84	17.662	2491	2495	2501	rBV2	217364	476642	2.30%	0.217%
85	18.062	2558	2563	2570	rBV	1736769	2773131	13.39%	1.262%
86	18.821	2688	2692	2696	rBV	318193	434591	2.10%	0.198%
87	18.986	2717	2720	2724	rBV	430929	509670	2.46%	0.232%
88	19.156	2745	2749	2755	rBV2	283371	662242	3.20%	0.301%
89	19.221	2755	2760	2763	rBV2	596912	1043085	5.04%	0.475%
90	19.339	2775	2780	2782	rBV4	573106	972086	4.69%	0.442%
91	19.421	2790	2794	2801	rVB	1896676	2313439	11.17%	1.053%
92	19.568	2816	2819	2823	rVB2	416128	473534	2.29%	0.215%
93	19.745	2845	2849	2851	rBV2	670091	1072532	5.18%	0.488%
94	19.786	2851	2856	2862	rVB	16984823	20711905	100.00%	9.425%
95	19.874	2867	2871	2874	rBV4	498540	854109	4.12%	0.389%
96	19.962	2883	2886	2890	rVB	446502	522422	2.52%	0.238%
97	20.103	2907	2910	2913	rVB	545655	599204	2.89%	0.273%
98	20.480	2970	2974	2980	rVB	5299539	5761482	27.82%	2.622%
99	21.397	3126	3130	3141	rVB	2994698	4442349	21.45%	2.021%
100	24.403	3635	3641	3662	rVB	1665584	4461588	21.54%	2.030%

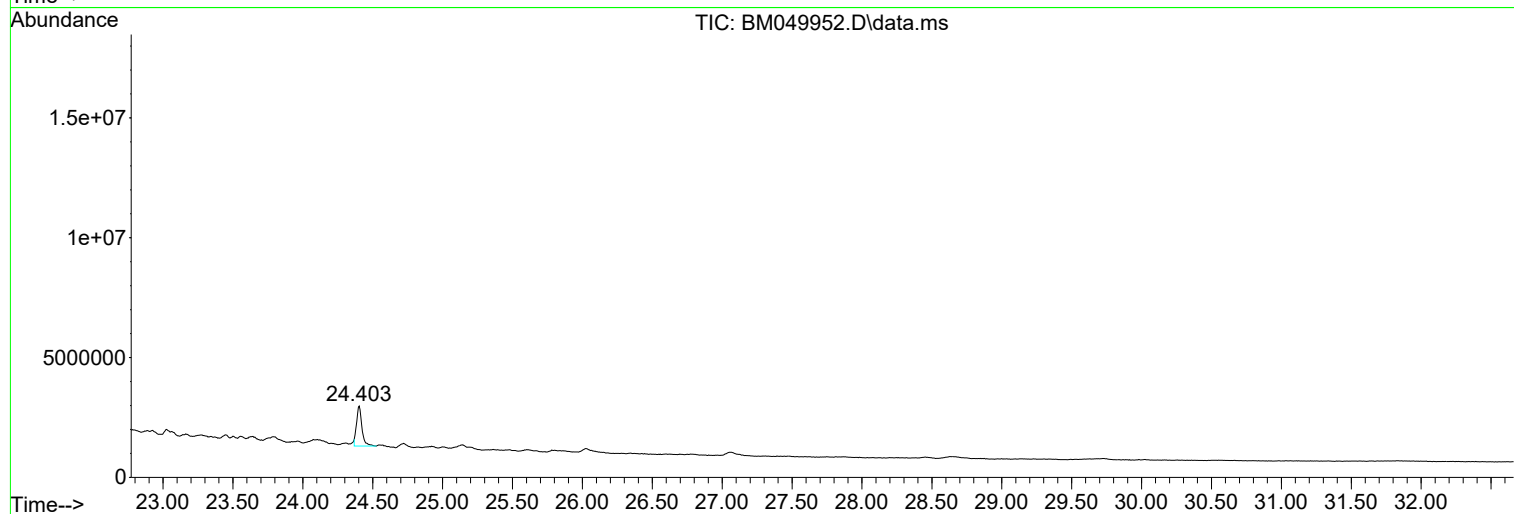
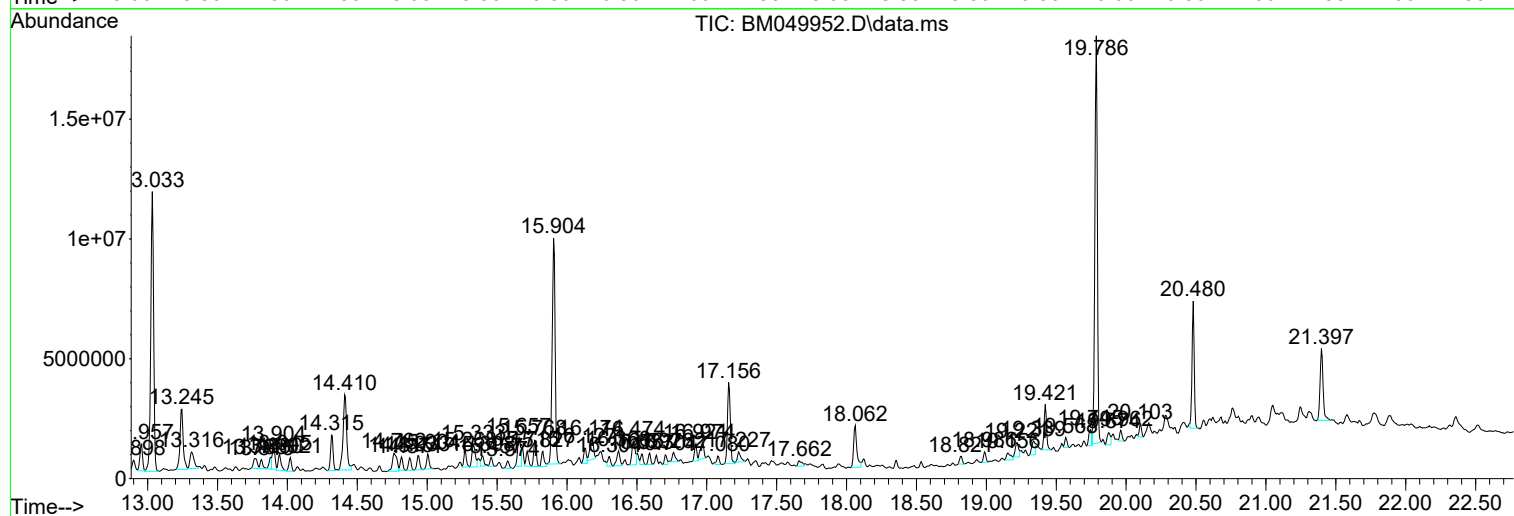
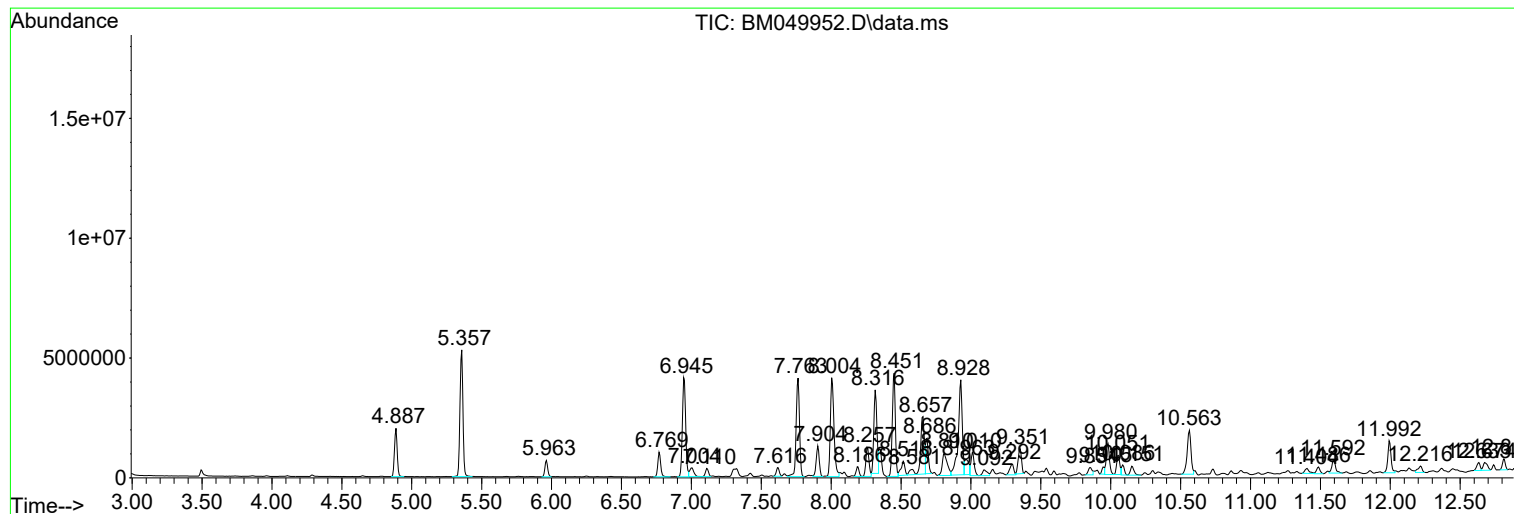
Sum of corrected areas: 219757551

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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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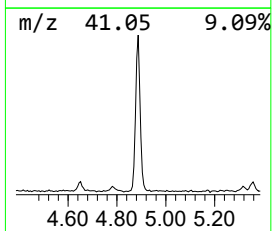
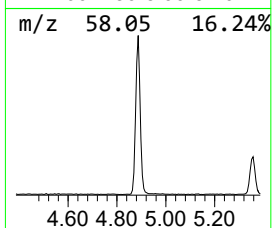
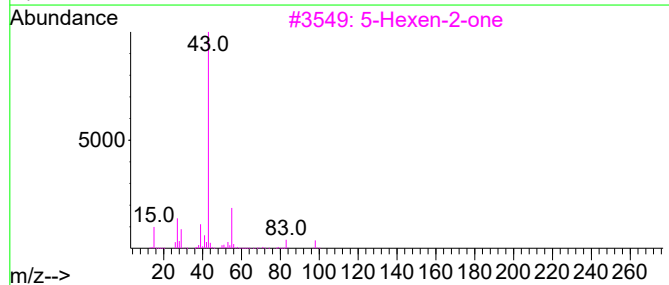
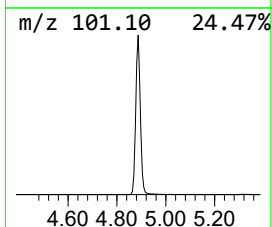
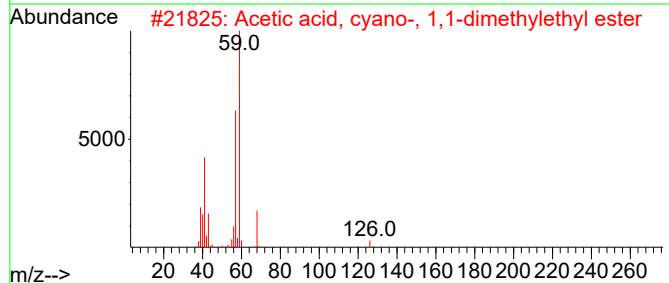
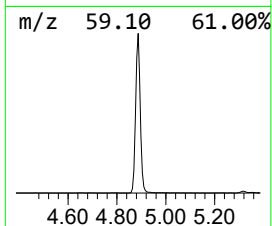
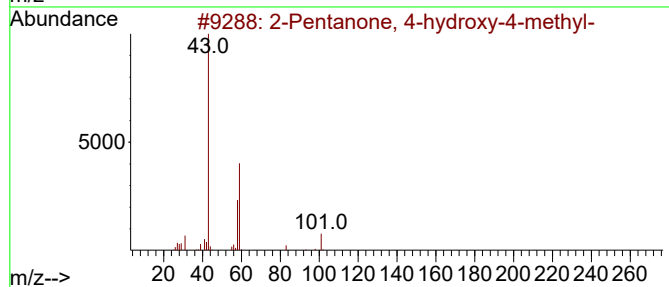
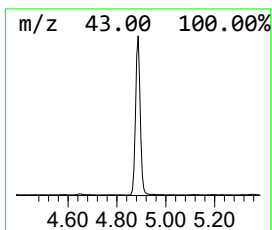
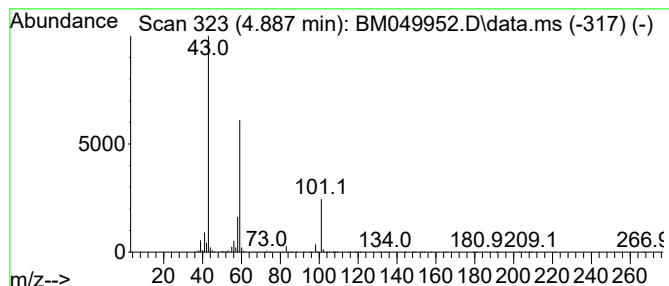
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	7.96 ng	2711550	1,4-Dichlorobenzene-d4	7.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9		
4	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9		
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		



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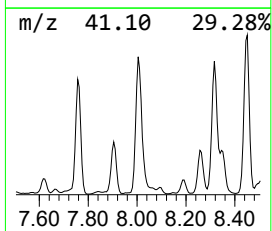
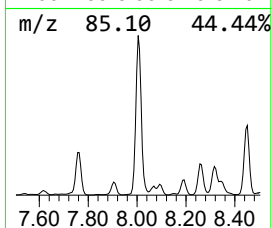
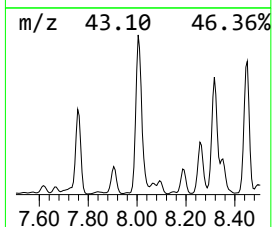
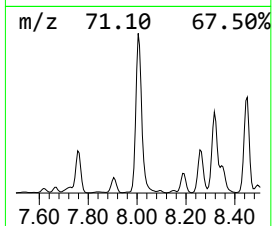
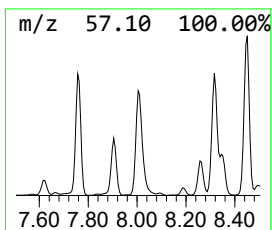
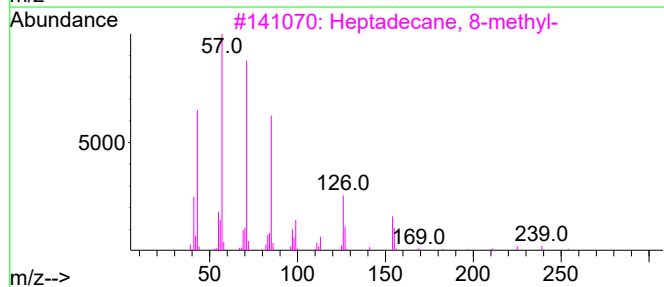
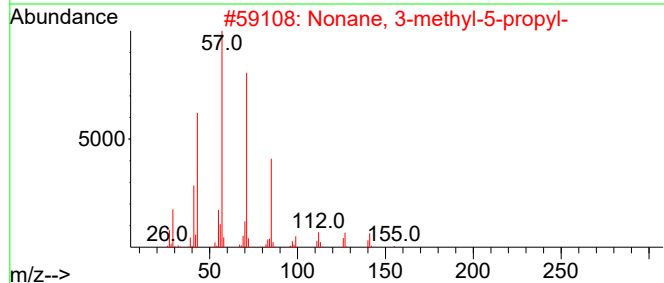
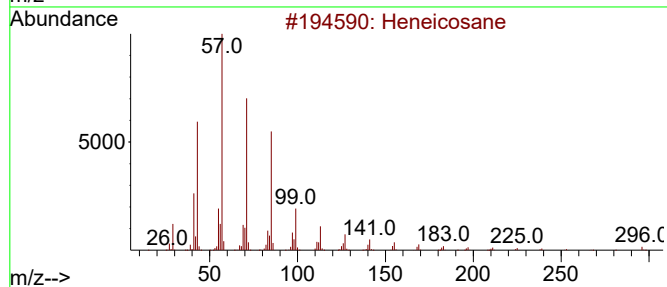
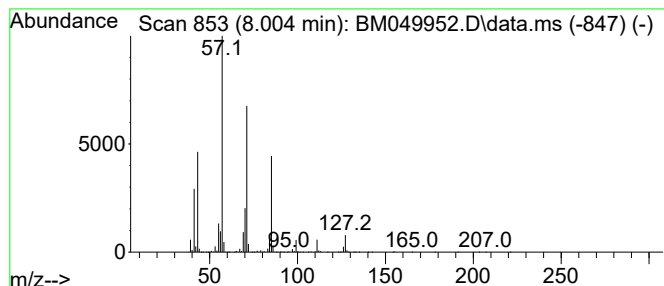
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.004	21.60 ng	7361620	1,4-Dichlorobenzene-d4	7.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	72
2			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
3			Heptadecane, 8-methyl-	254	C18H38	013287-23-5	72
4			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64
5			Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	64



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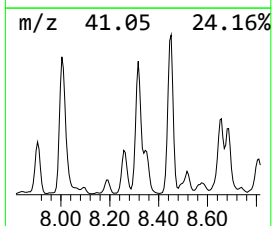
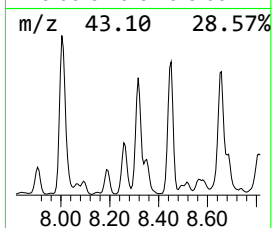
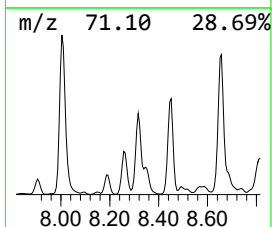
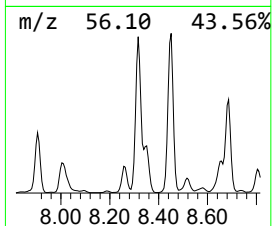
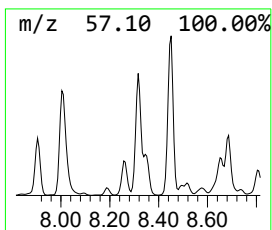
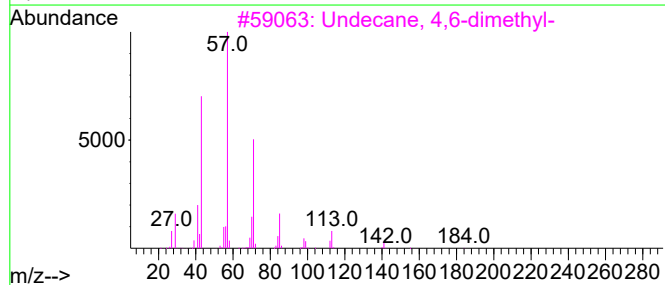
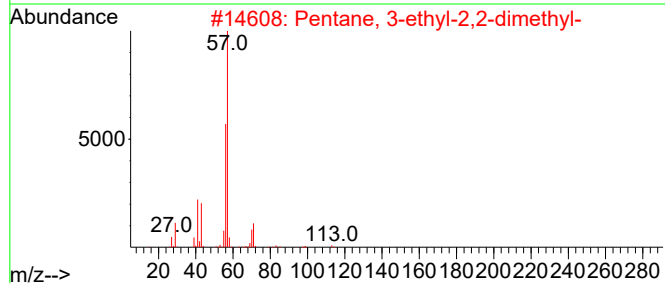
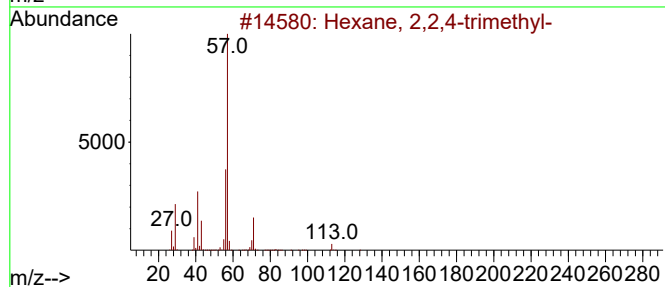
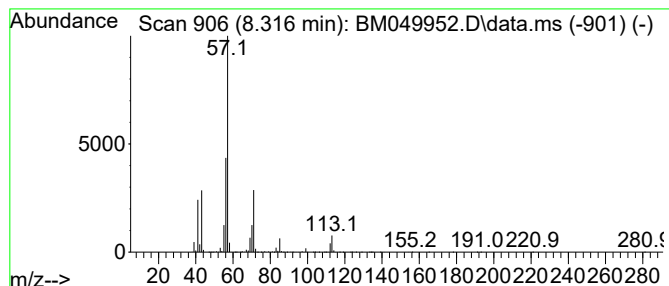
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexane, 2,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.316	15.99 ng	5447950	1,4-Dichlorobenzene-d4	7.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
2			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
3			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50
4			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	50
5			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VB16164

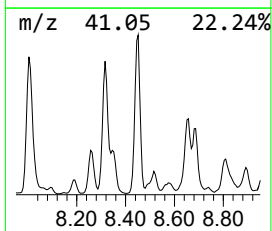
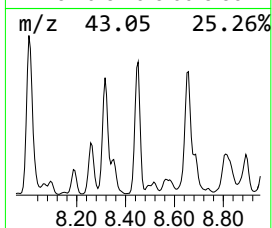
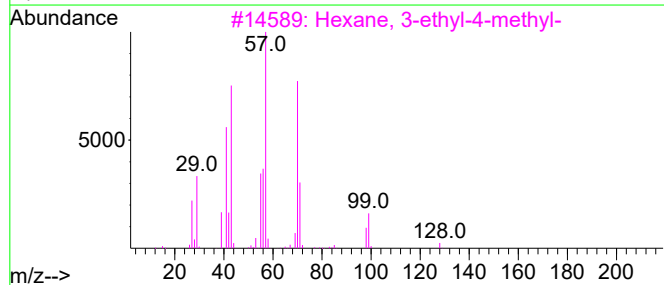
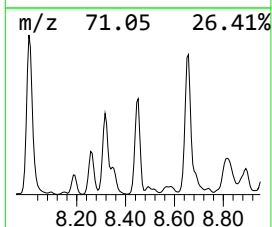
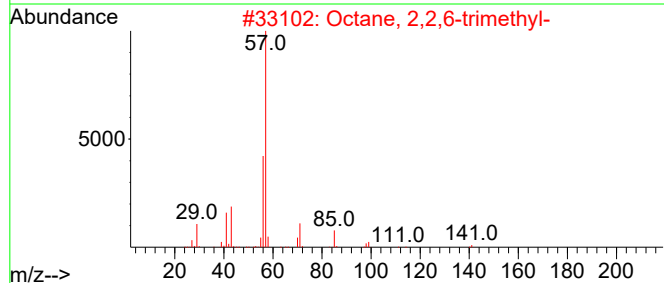
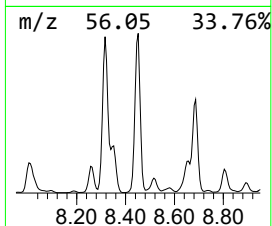
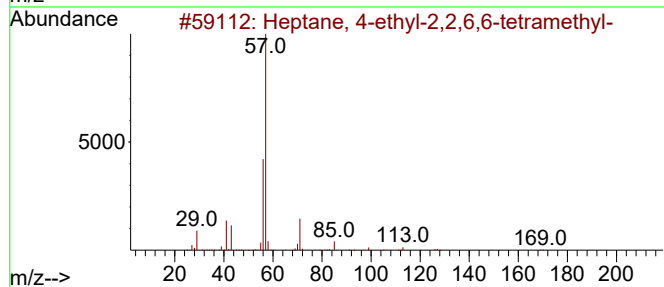
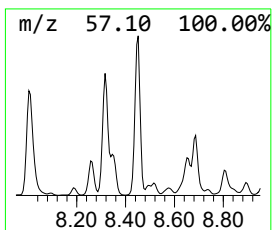
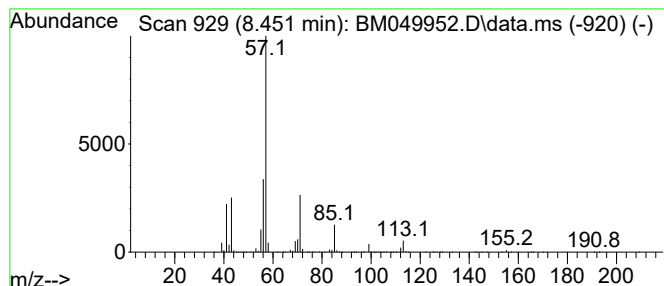
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Heptane, 4-ethyl-2,2,6,6-te... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.451	19.18 ng	6537910	1,4-Dichlorobenzene-d4	7.769

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	64
2		Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	53
3		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	53
4		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50
5		Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
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Sample : Q1791-14
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Instrument :
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ClientSampleId :
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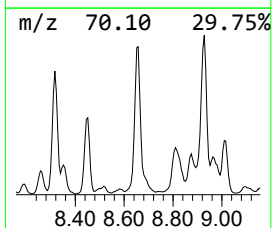
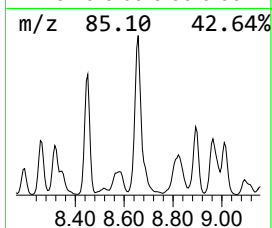
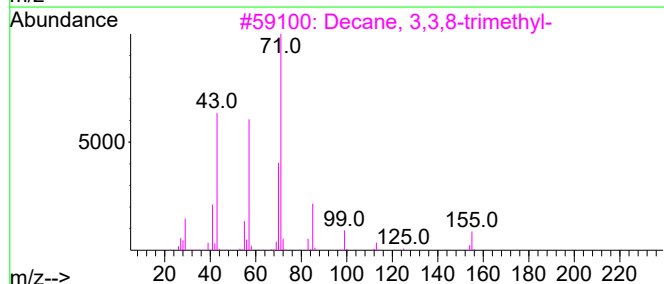
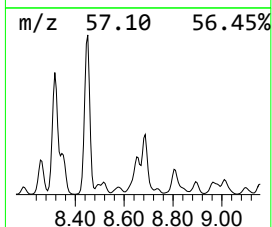
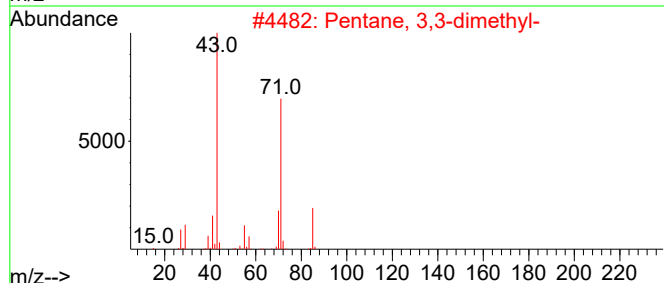
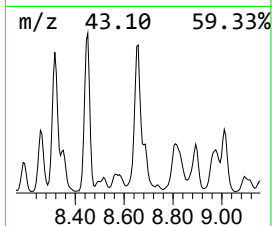
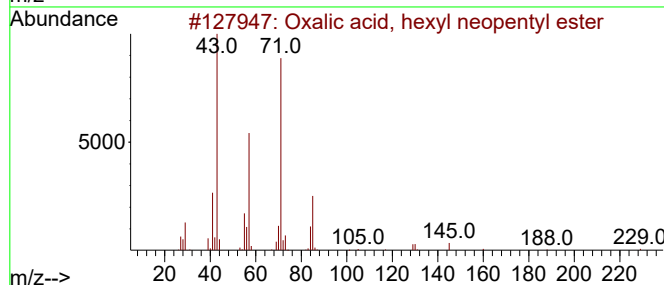
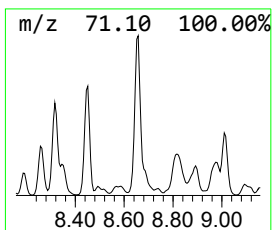
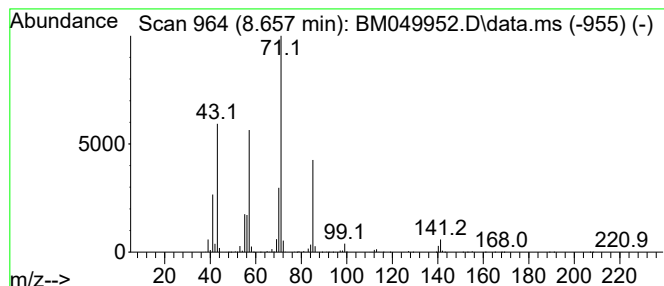
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Oxalic acid, hexyl neopentyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.657	13.05 ng	4447510	1,4-Dichlorobenzene-d4	7.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, hexyl neopentyl ester	244	C13H24O4	1000309-73-1	72
2			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	64
3			Decane, 3,3,8-trimethyl-	184	C13H28	062338-16-3	53
4			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	50
5			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
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Misc :
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Instrument :
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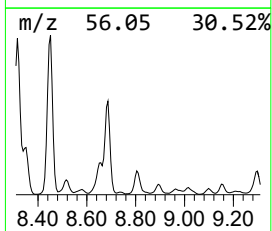
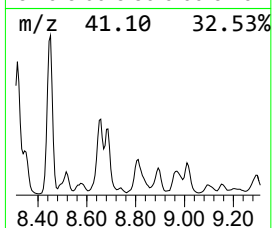
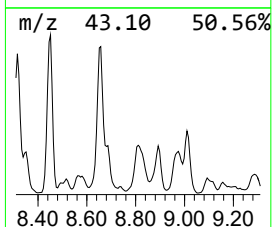
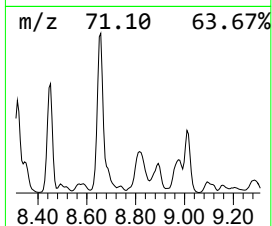
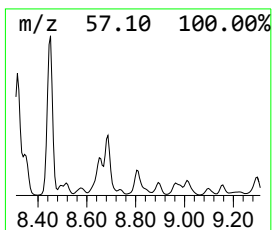
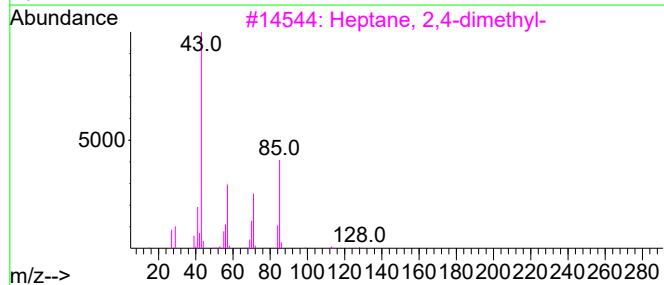
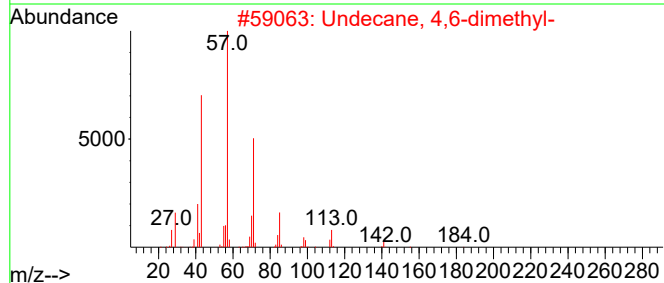
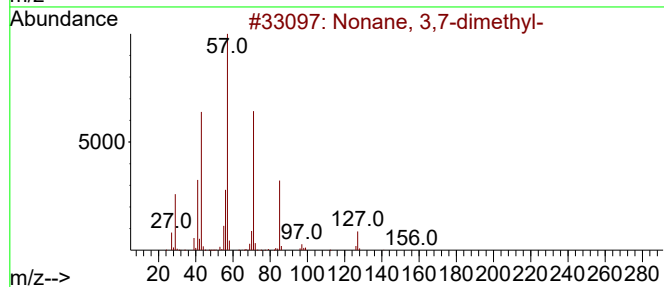
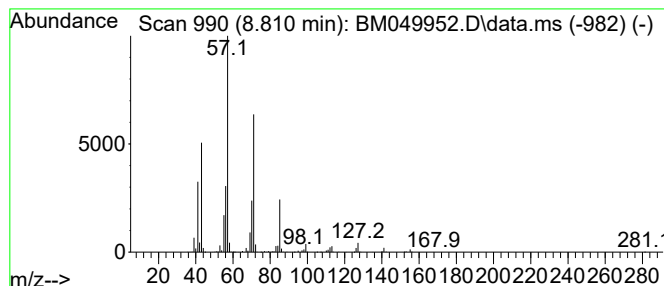
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Nonane, 3,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.810	6.82 ng	2323860	1,4-Dichlorobenzene-d4	7.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	76
2			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59
5			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
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Sample : Q1791-14
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Instrument :
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ClientSampleId :
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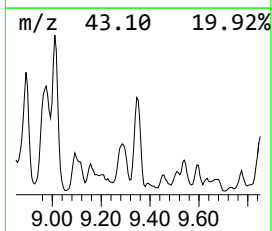
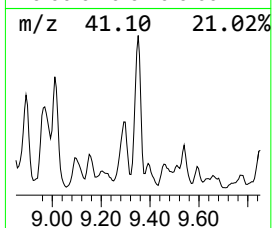
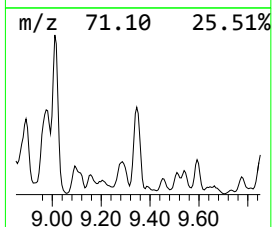
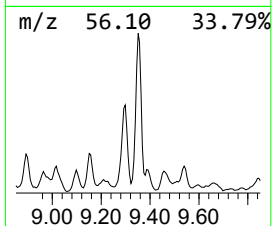
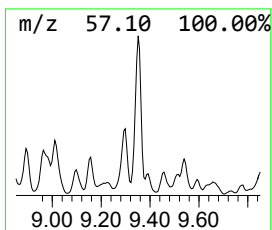
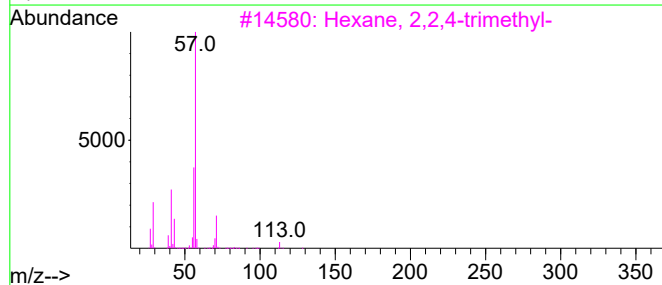
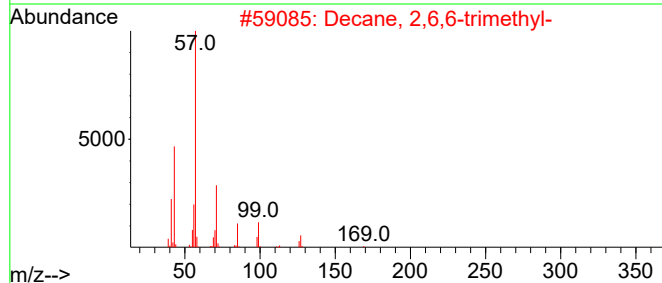
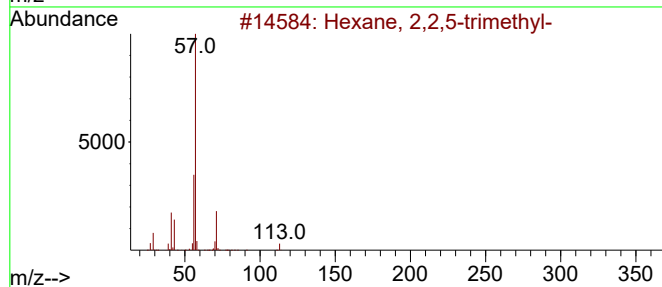
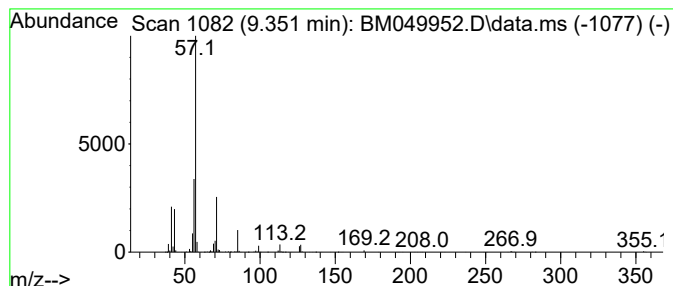
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Hexane, 2,2,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.351	9.64 ng	1691640	Naphthalene-d8	10.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
2			Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	53
3			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50
4			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	50
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
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Sample : Q1791-14
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Instrument :
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ClientSampleId :
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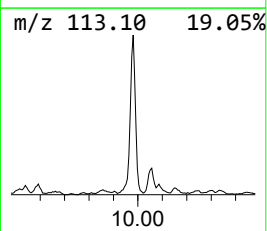
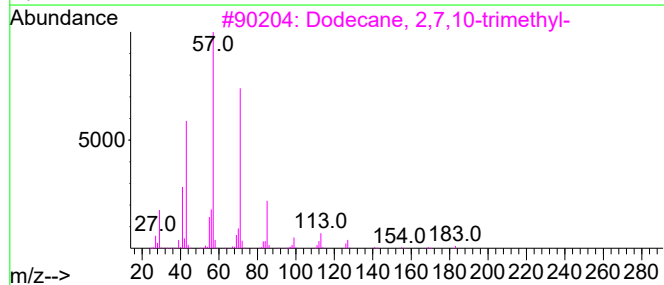
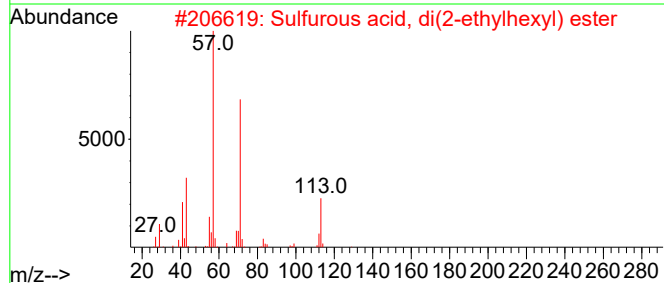
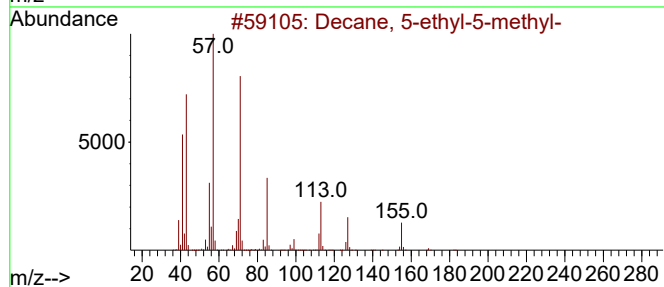
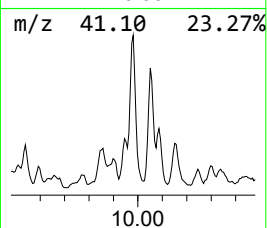
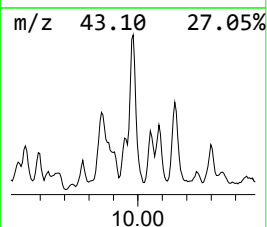
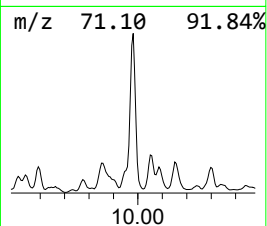
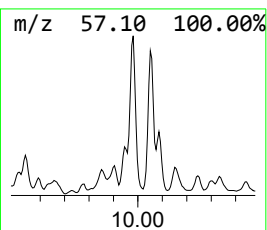
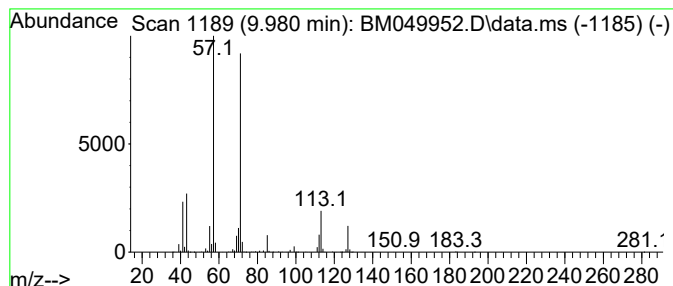
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Decane, 5-ethyl-5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.980	11.56 ng	2028530	Naphthalene-d8	10.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	83
2			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	78
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
4			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5			3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
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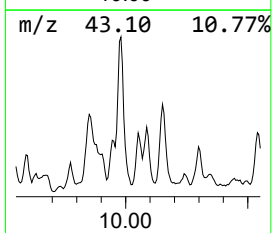
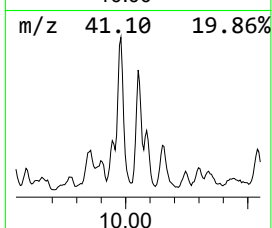
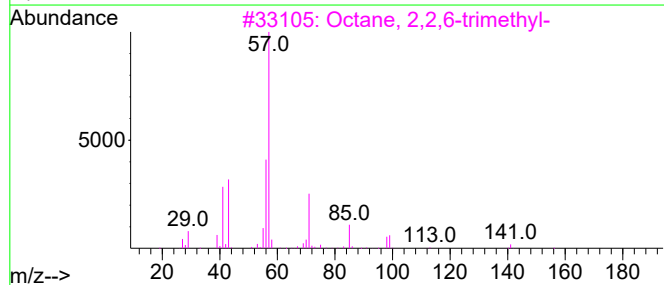
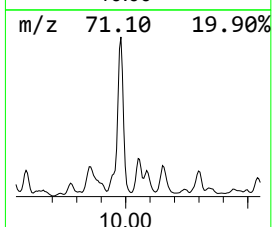
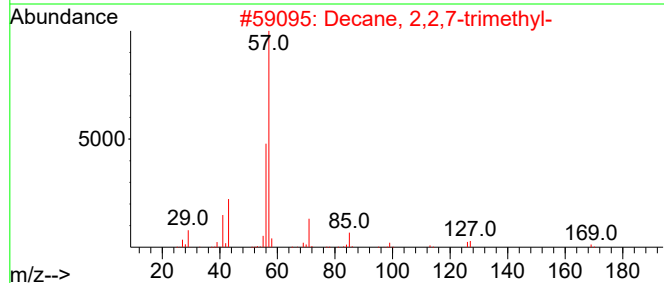
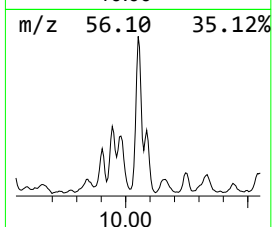
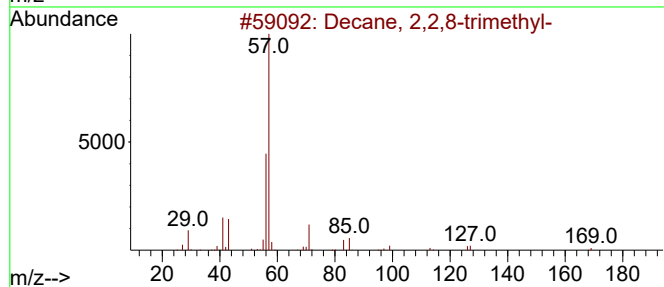
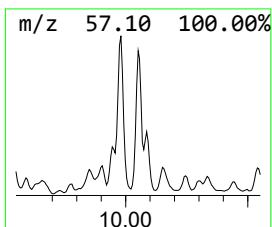
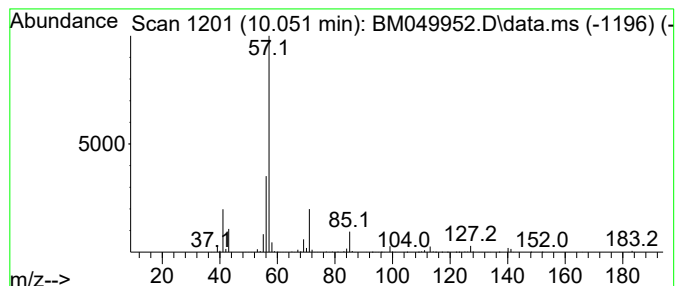
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Decane, 2,2,8-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.051	7.47 ng	1310490	Naphthalene-d8	10.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	78
2		Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	72
3		Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
4		Decane, 2,2,4-trimethyl-	184	C13H28	062237-98-3	64
5		Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VB16164

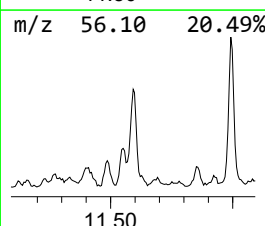
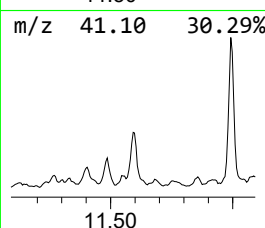
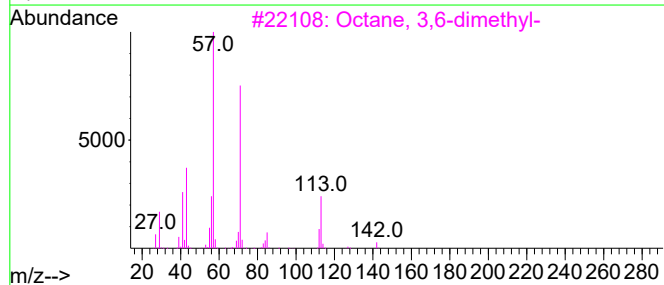
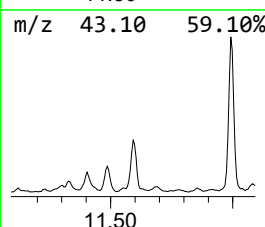
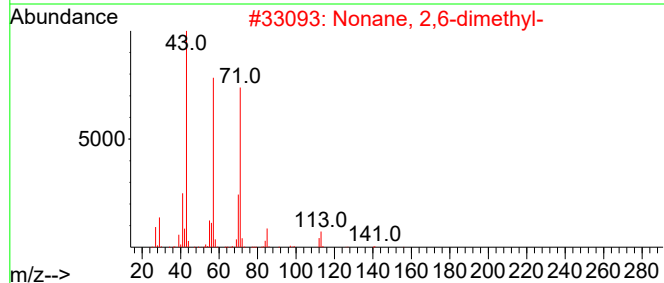
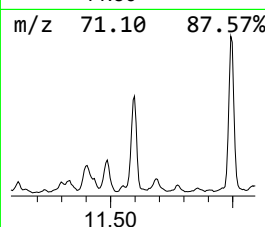
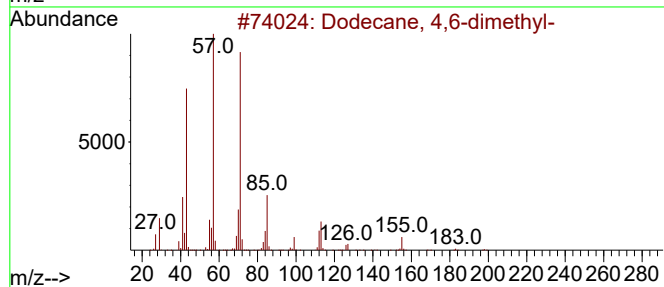
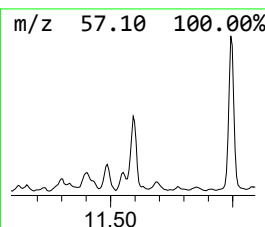
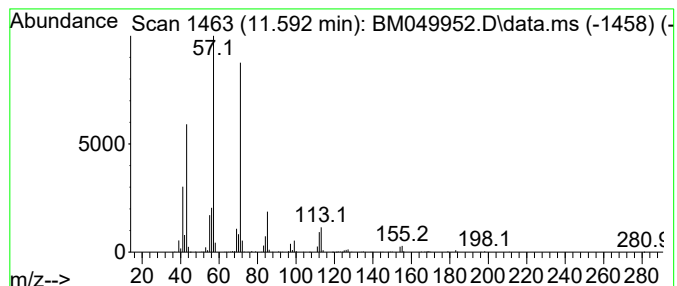
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Dodecane, 4,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.592	5.83 ng	1022090	Naphthalene-d8	10.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	80
2			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
4			Allyl n-octyl ether	170	C11H22O	003295-97-4	72
5			Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VB16164

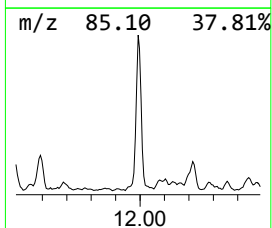
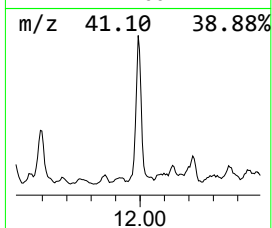
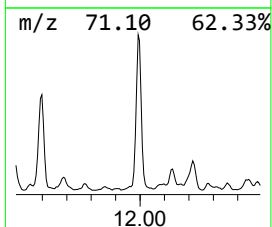
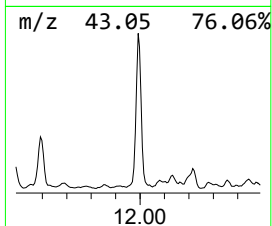
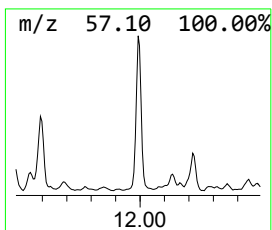
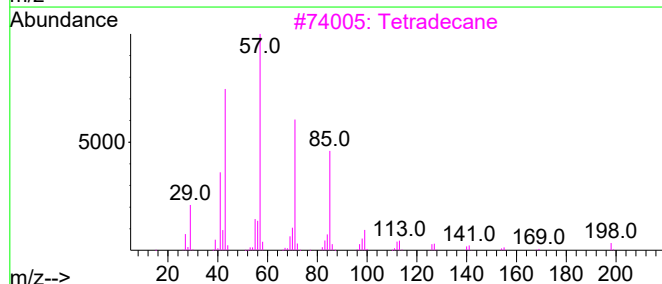
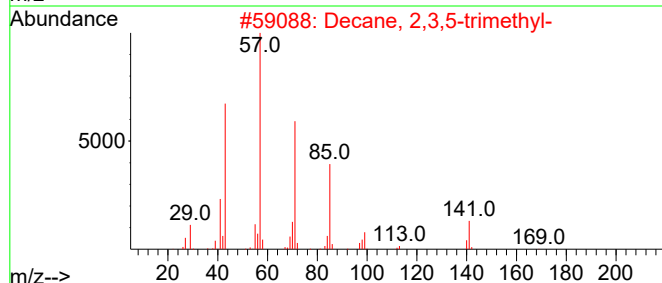
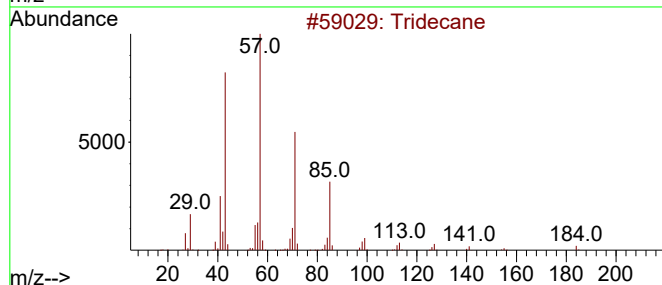
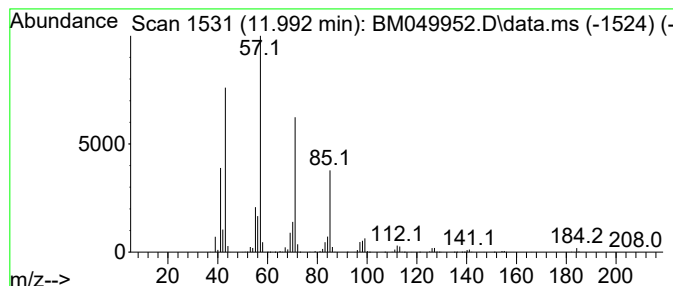
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	11.97 ng	2099880	Naphthalene-d8	10.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	90
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
3		Tetradecane	198	C14H30	000629-59-4	86
4		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	86
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VB16164

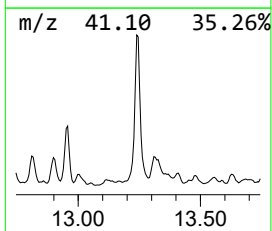
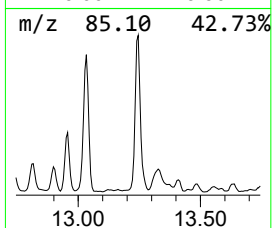
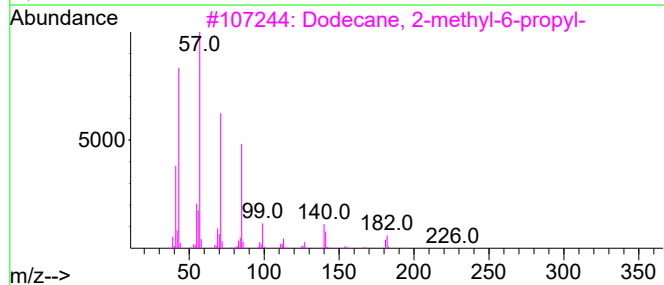
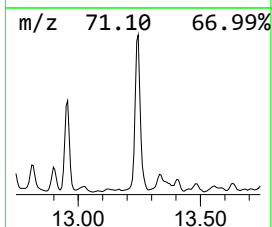
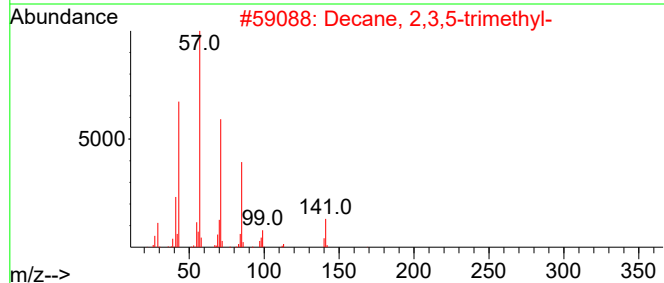
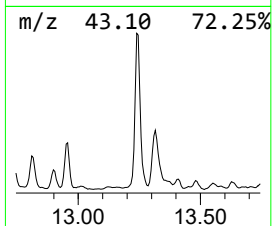
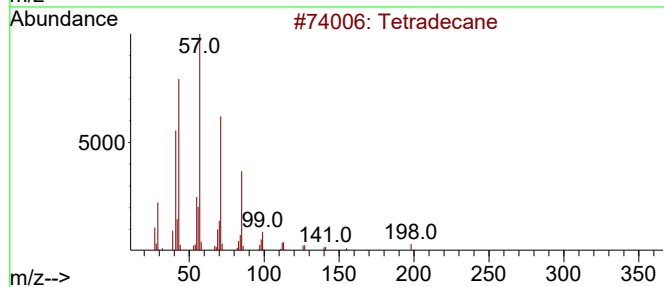
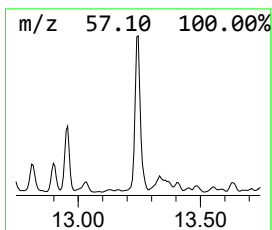
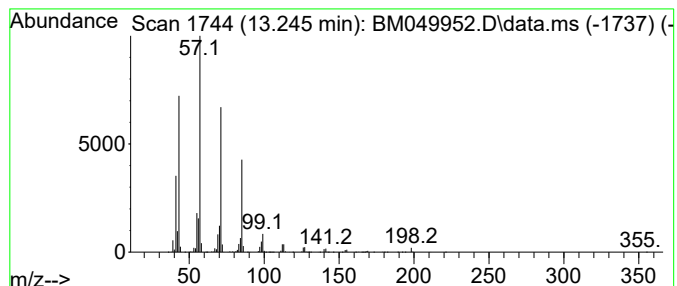
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Tetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	14.30 ng	4096200	Acenaphthene-d10	14.410

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	93
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	78
4		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	72
5		Tridecane, 7-propyl-	226	C16H34	055045-09-5	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

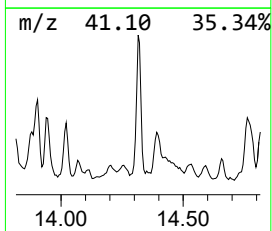
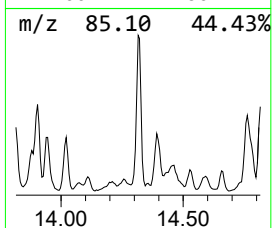
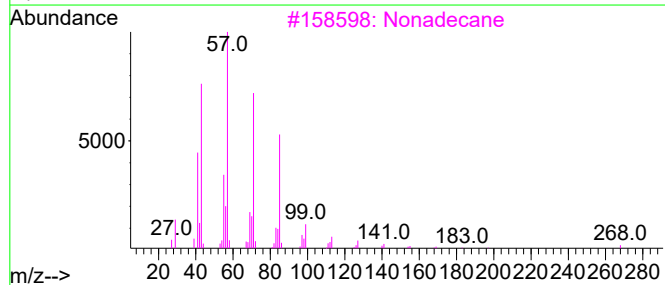
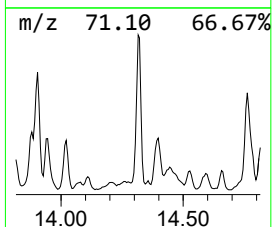
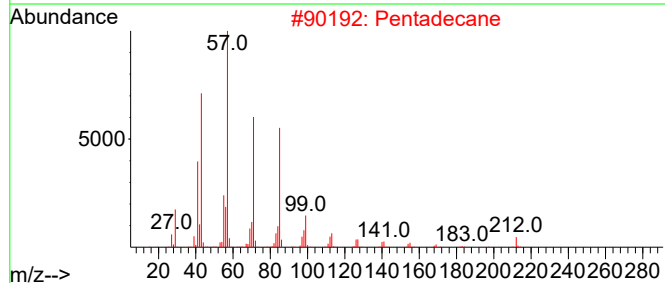
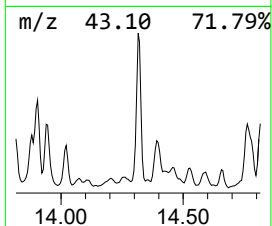
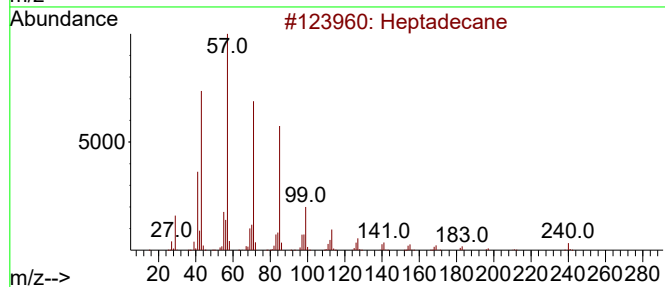
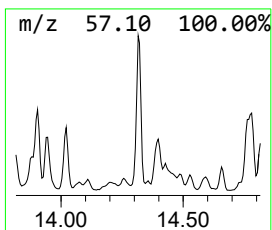
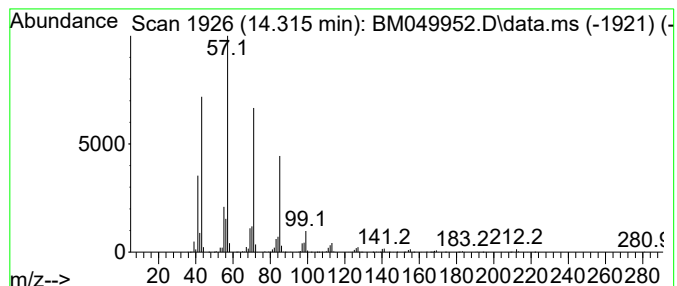
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.316	6.77 ng	1939150	Acenaphthene-d10		14.410	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	90
2	Pentadecane		212	C15H32	000629-62-9	90
3	Nonadecane		268	C19H40	000629-92-5	87
4	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	86
5	Tetradecane		198	C14H30	000629-59-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
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Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
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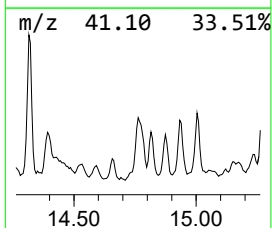
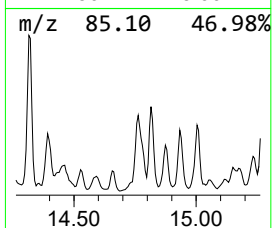
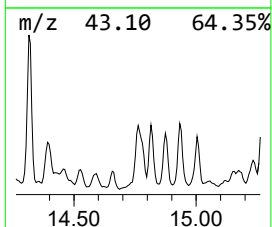
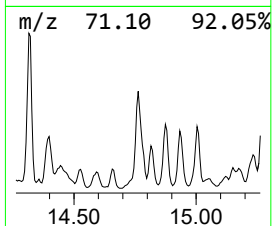
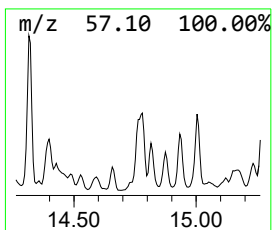
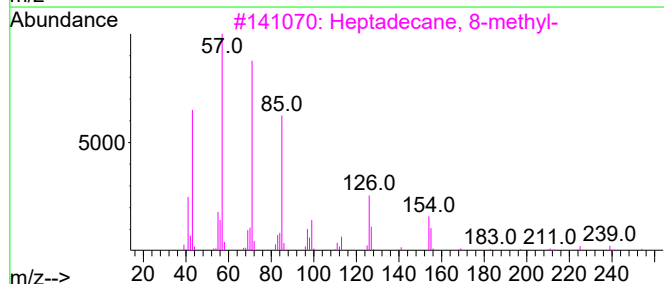
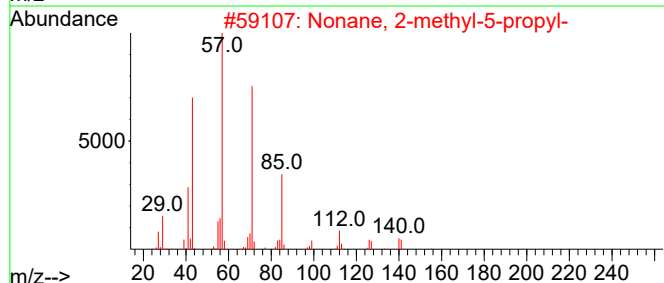
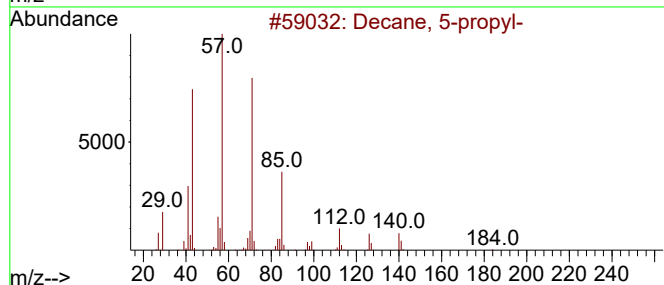
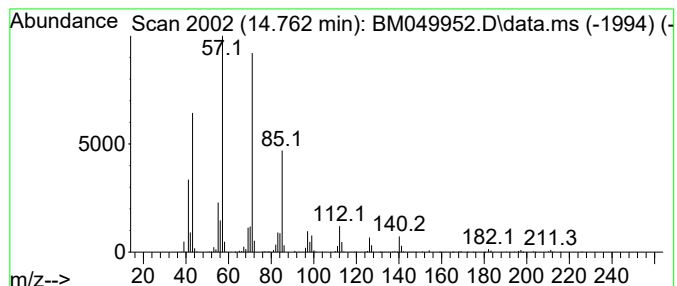
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Decane, 5-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.762	6.06 ng	1736650	Acenaphthene-d10		14.410	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 5-propyl-		184	C13H28	017312-62-8	86
2	Nonane, 2-methyl-5-propyl-		184	C13H28	031081-17-1	86
3	Heptadecane, 8-methyl-		254	C18H38	013287-23-5	58
4	Nonadecane		268	C19H40	000629-92-5	53
5	Tetradecane		198	C14H30	000629-59-4	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

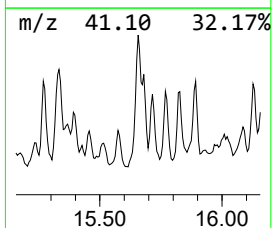
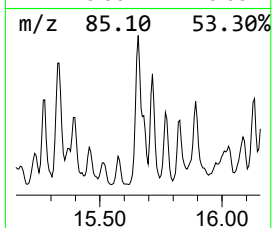
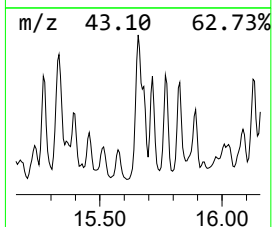
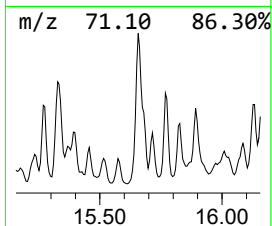
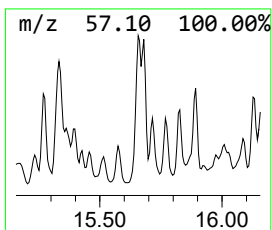
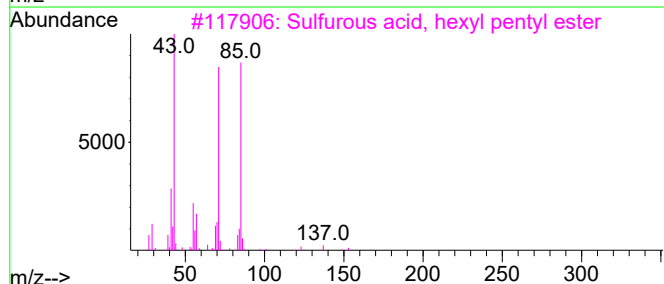
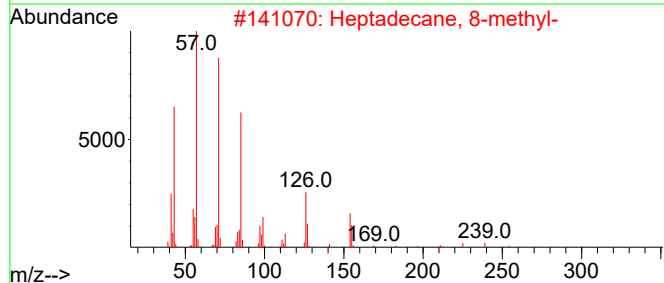
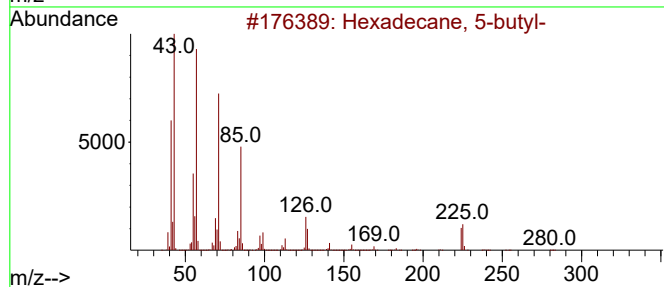
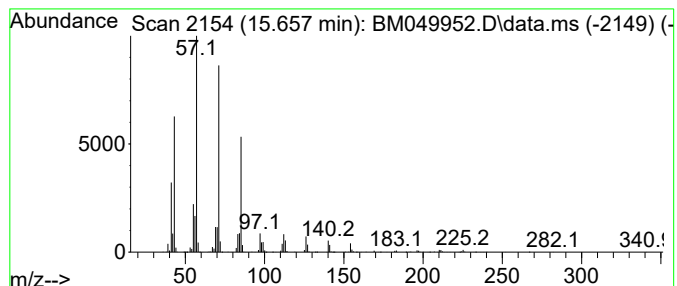
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Hexadecane, 5-butyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.656	6.86 ng	1966000	Acenaphthene-d10	14.410	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	80
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	80
3	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59
4	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	59
5	Hexadecane	226	C16H34	000544-76-3	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VB16164

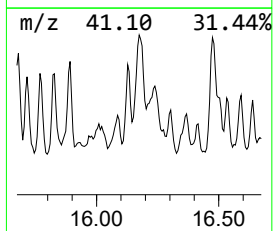
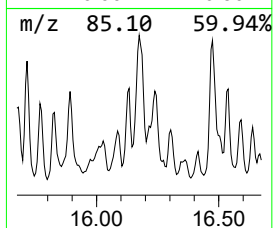
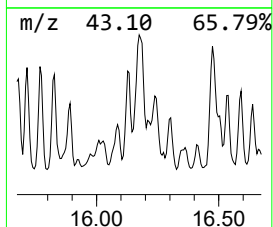
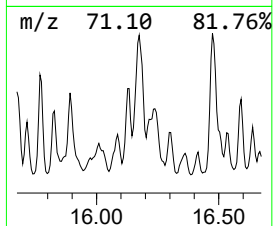
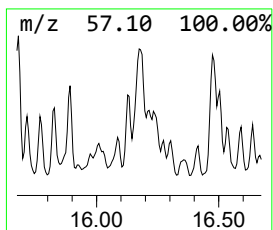
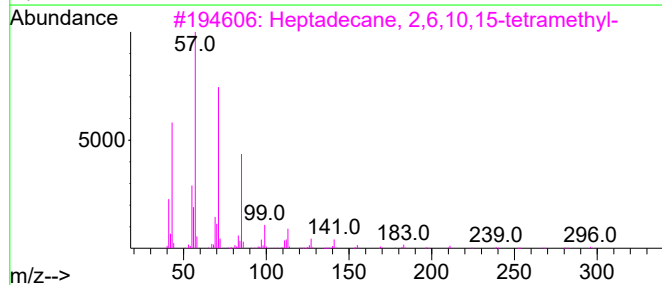
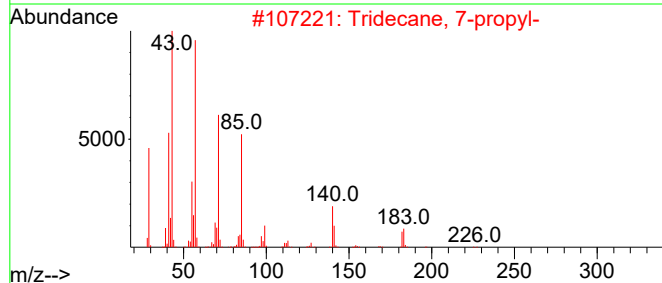
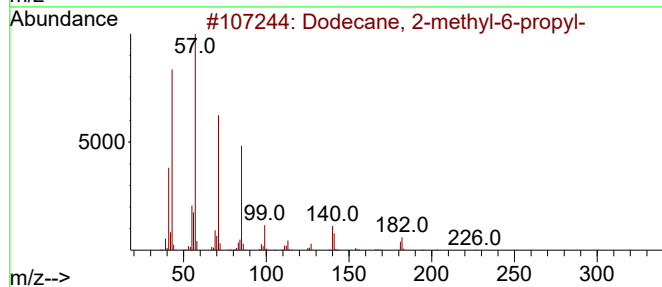
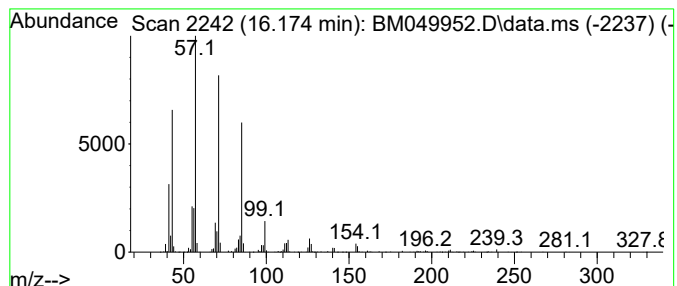
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Dodecane, 2-methyl-6-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.174	6.82 ng	1618310	Phenanthrene-d10	17.156

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
2			Tridecane, 7-propyl-	226	C16H34	055045-09-5	83
3			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
5			Heptadecane, 8-methyl-	254	C18H38	013287-23-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VB16164

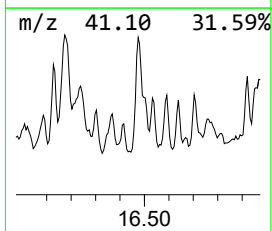
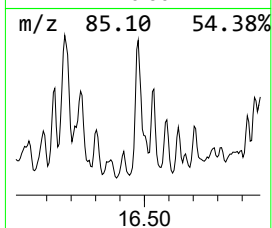
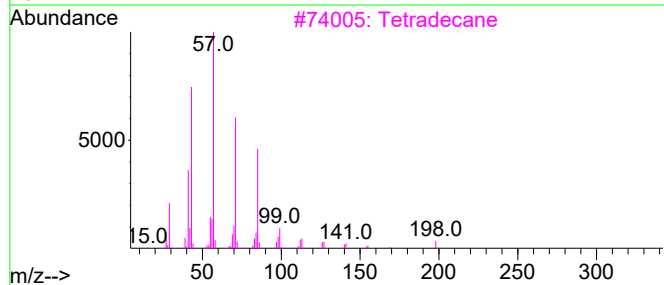
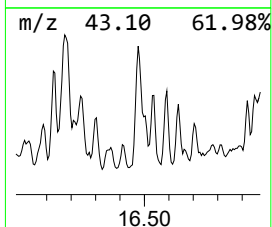
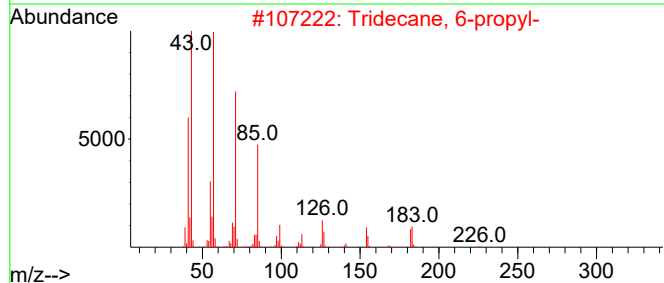
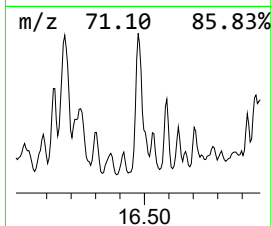
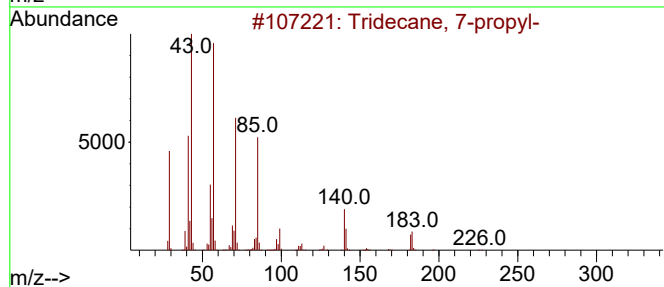
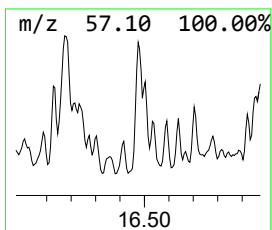
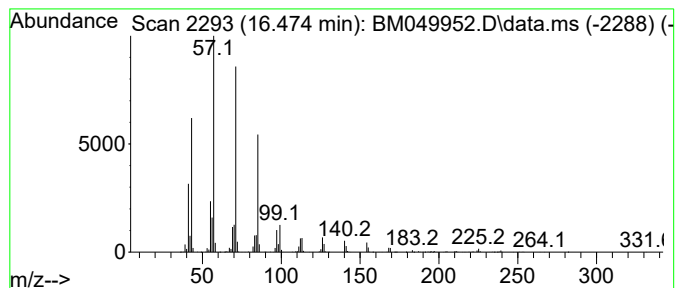
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Tridecane, 7-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.474	7.39 ng	1754940	Phenanthrene-d10	17.156

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-propyl-	226	C16H34	055045-09-5	91
2			Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
3			Tetradecane	198	C14H30	000629-59-4	80
4			Hexadecane	226	C16H34	000544-76-3	76
5			Heptadecane	240	C17H36	000629-78-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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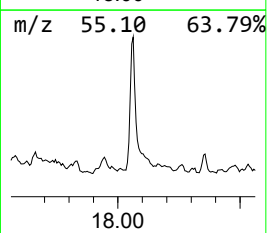
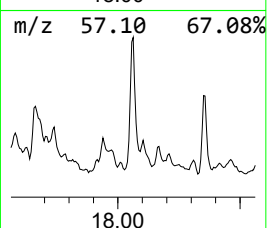
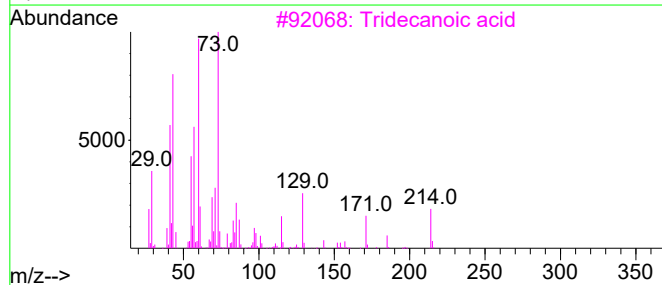
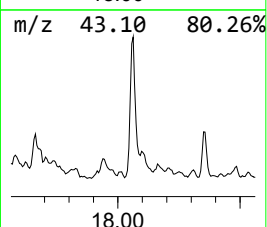
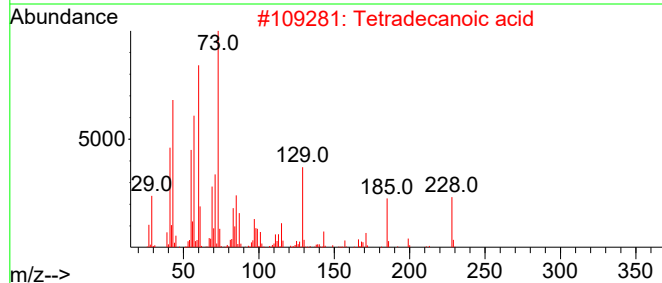
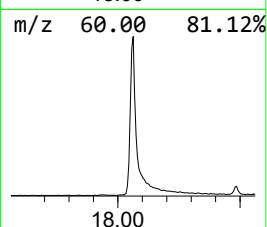
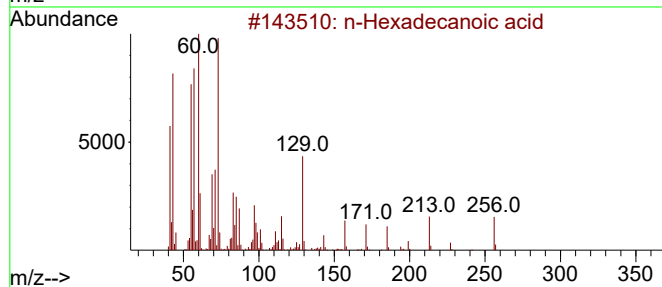
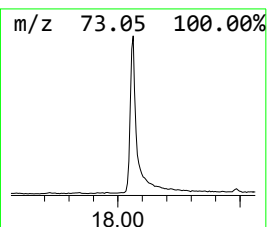
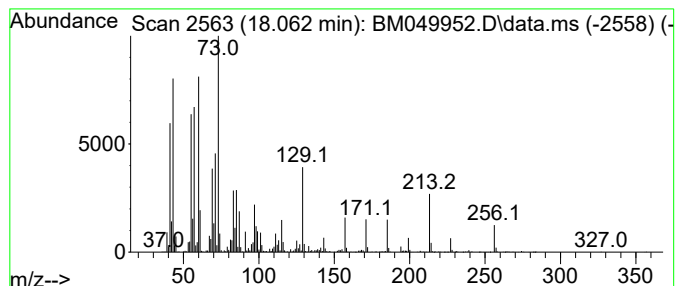
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.062	11.68 ng	2773130	Phenanthrene-d10	17.156

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3			Tridecanoic acid	214	C13H26O2	000638-53-9	89
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5			n-Decanoic acid	172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VB16164

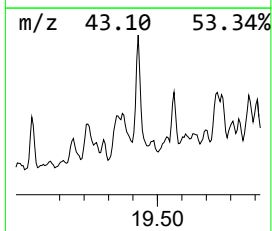
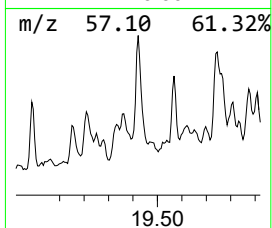
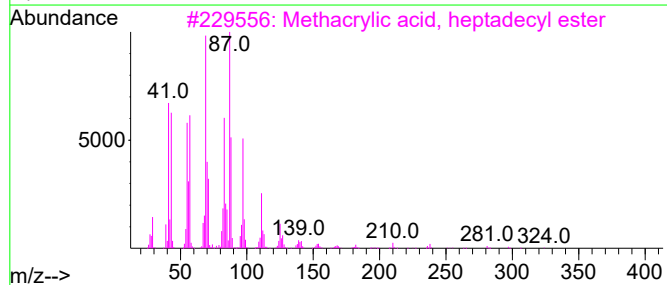
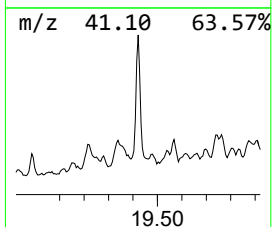
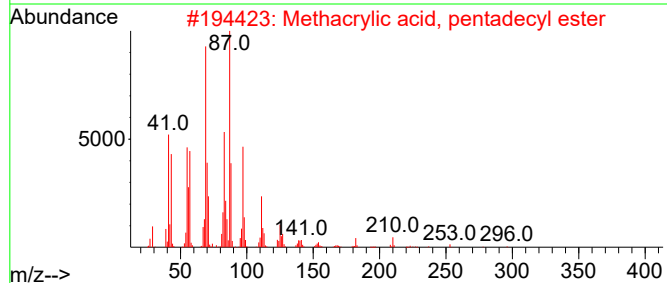
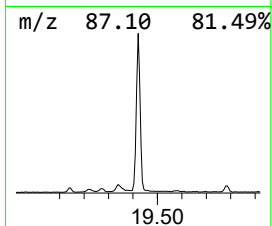
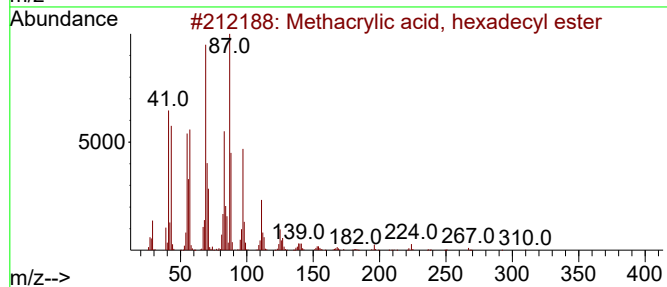
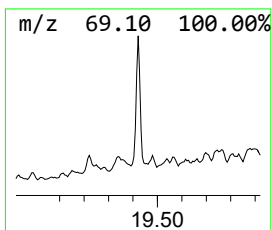
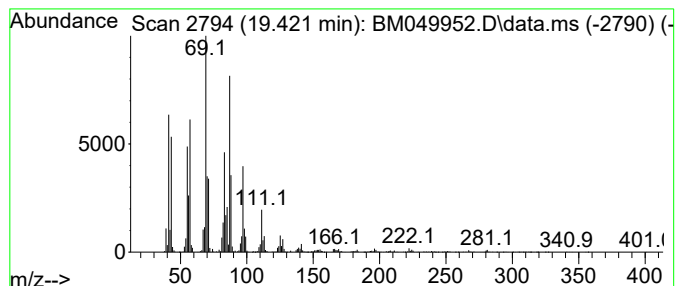
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Methacrylic acid, hexadecyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.421	10.42 ng	2313440	Chrysene-d12	21.397

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methacrylic acid, hexadecyl ester	310	C20H38O2	1000340-29-2	93
2			Methacrylic acid, pentadecyl ester	296	C19H36O2	1000340-29-1	90
3			Methacrylic acid, heptadecyl ester	324	C21H40O2	1010340-29-3	90
4			Methacrylic acid, tridecyl ester	268	C17H32O2	1000340-28-9	86
5			n-Dodecyl methacrylate	254	C16H30O2	000142-90-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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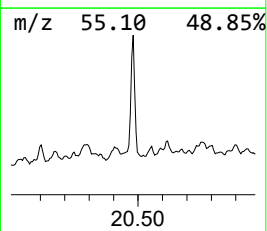
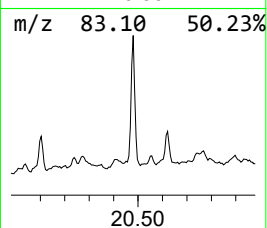
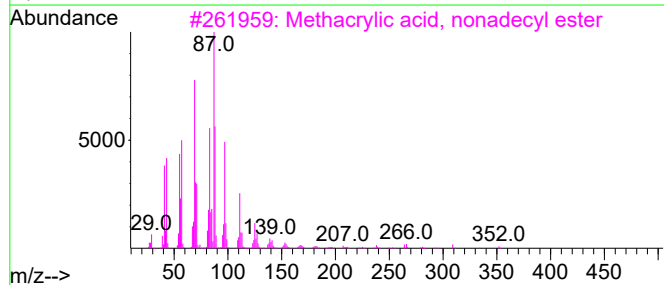
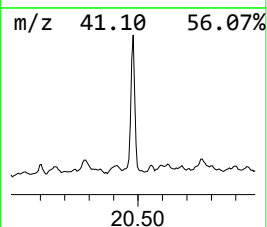
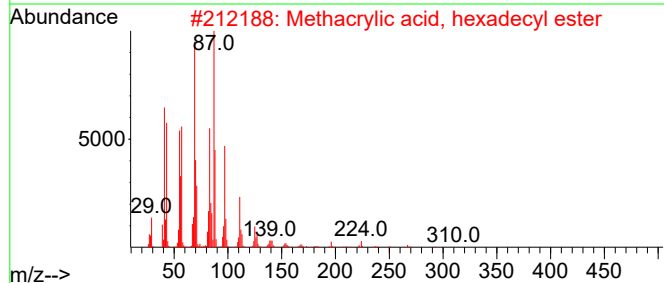
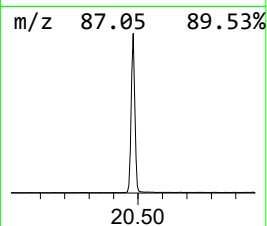
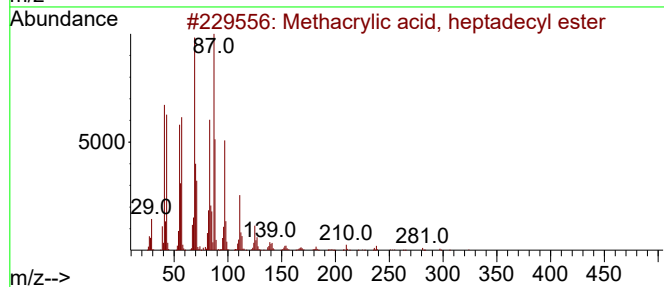
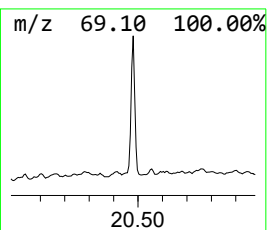
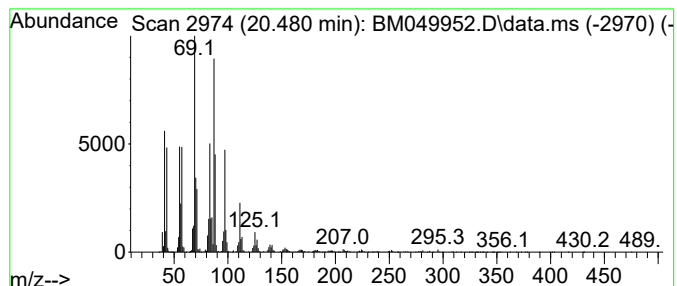
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Methacrylic acid, heptadecy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.480	25.94 ng	5761480	Chrysene-d12	21.397

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methacrylic acid, heptadecyl ester	324	C21H40O2	1010340-29-3	94
2			Methacrylic acid, hexadecyl ester	310	C20H38O2	1000340-29-2	81
3			Methacrylic acid, nonadecyl ester	352	C23H44O2	1000340-29-5	81
4			Octadecyl methacrylate	338	C22H42O2	000112-08-3	72
5			n-Dodecyl methacrylate	254	C16H30O2	000142-90-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049952.D
Acq On : 16 Apr 2025 14:46
Operator : RC/JU
Sample : Q1791-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VB16164

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.887	8.0	ng	2711550	1	7.769	6816200	20.0
Heneicosane	8.004	21.6	ng	7361620	1	7.769	6816200	20.0
Hexane, 2,2,4-t...	8.316	16.0	ng	5447950	1	7.769	6816200	20.0
Heptane, 4-ethy...	8.451	19.2	ng	6537910	1	7.769	6816200	20.0
Oxalic acid, he...	8.657	13.1	ng	4447510	1	7.769	6816200	20.0
Nonane, 3,7-dim...	8.810	6.8	ng	2323860	1	7.769	6816200	20.0
Hexane, 2,2,5-t...	9.351	9.6	ng	1691640	2	10.563	3509270	20.0
Decane, 5-ethyl...	9.980	11.6	ng	2028530	2	10.563	3509270	20.0
Decane, 2,2,8-t...	10.051	7.5	ng	1310490	2	10.563	3509270	20.0
Dodecane, 4,6-d...	11.592	5.8	ng	1022090	2	10.563	3509270	20.0
Tridecane	11.992	12.0	ng	2099880	2	10.563	3509270	20.0
Tetradecane	13.245	14.3	ng	4096200	3	14.410	5728020	20.0
Heptadecane	14.316	6.8	ng	1939150	3	14.410	5728020	20.0
Decane, 5-propyl-	14.762	6.1	ng	1736650	3	14.410	5728020	20.0
Hexadecane, 5-b...	15.656	6.9	ng	1966000	3	14.410	5728020	20.0
Dodecane, 2-met...	16.174	6.8	ng	1618310	4	17.156	4749120	20.0
Tridecane, 7-pr...	16.474	7.4	ng	1754940	4	17.156	4749120	20.0
n-Hexadecanoic ...	18.062	11.7	ng	2773130	4	17.156	4749120	20.0
Methacrylic aci...	19.421	10.4	ng	2313440	5	21.397	4442350	20.0
Methacrylic aci...	20.480	25.9	ng	5761480	5	21.397	4442350	20.0