

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
 Data File : BP005385.D
 Acq On : 22 Apr 2021 20:30
 Operator : CG/JU
 Sample : M2098-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HR-04-042021

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_P\Methods\8270E-BP042121.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP005385.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.246	361	367	379	rBV	116191	179147	20.89%	1.694%
2	6.834	632	637	648	rVB	99960	177252	20.67%	1.676%
3	7.264	705	710	713	rBV2	23770	35124	4.10%	0.332%
4	7.646	764	775	782	rBV	194126	332043	38.72%	3.139%
5	7.752	789	793	798	rBV3	7752	13129	1.53%	0.124%
6	7.922	818	822	830	rVB6	9697	17781	2.07%	0.168%
7	8.187	854	867	870	rBV4	17943	52889	6.17%	0.500%
8	8.222	870	873	877	rVB3	11134	13760	1.60%	0.130%
9	8.293	877	885	890	rBV4	21223	46178	5.38%	0.437%
10	8.399	899	903	907	rBV2	17940	27541	3.21%	0.260%
11	8.452	907	912	918	rVV4	9726	23004	2.68%	0.217%
12	8.505	918	921	931	rVB7	7271	18323	2.14%	0.173%
13	8.593	931	936	940	rBV5	8112	17746	2.07%	0.168%
14	8.640	940	944	949	rVB5	8543	14769	1.72%	0.140%
15	8.705	950	955	957	rBV6	9917	15712	1.83%	0.149%
16	8.740	957	961	967	rVB3	21543	33887	3.95%	0.320%
17	8.810	967	973	977	rBV	63127	120646	14.07%	1.141%
18	8.863	977	982	992	rVB	119672	198180	23.11%	1.873%
19	8.946	992	996	998	rBV2	14379	21281	2.48%	0.201%
20	8.987	998	1003	1008	rVB7	24616	50958	5.94%	0.482%
21	9.087	1008	1020	1023	rBV7	13771	44459	5.18%	0.420%
22	9.269	1047	1051	1056	rBV4	22924	37416	4.36%	0.354%
23	9.322	1056	1060	1063	rBV	18362	31288	3.65%	0.296%
24	9.510	1086	1092	1096	rBV8	10931	23090	2.69%	0.218%
25	9.552	1096	1099	1104	rVV4	19918	34717	4.05%	0.328%
26	9.605	1104	1108	1111	rVV3	17982	26152	3.05%	0.247%
27	9.640	1111	1114	1118	rVB3	11552	14088	1.64%	0.133%
28	9.687	1118	1122	1123	rBV2	14900	19319	2.25%	0.183%
29	9.705	1123	1125	1131	rVB4	25406	33531	3.91%	0.317%
30	9.775	1131	1137	1142	rBV5	30659	53066	6.19%	0.502%
31	9.857	1142	1151	1156	rBV5	39658	106322	12.40%	1.005%
32	9.957	1164	1168	1172	rBV	25944	41545	4.84%	0.393%
33	10.016	1174	1178	1182	rVB3	19819	30774	3.59%	0.291%
34	10.063	1182	1186	1191	rVB2	18940	32044	3.74%	0.303%
35	10.134	1193	1198	1200	rBV3	14097	24435	2.85%	0.231%
36	10.210	1206	1211	1216	rBV8	10716	17913	2.09%	0.169%

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Integrator: RTE

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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_P\Methods\8270E-BP042121.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.293	1221	1225	1227	rBV5	10053	16216	1.89%	0.153%
38	10.328	1227	1231	1237	rVB6	12805	23920	2.79%	0.226%
39	10.405	1237	1244	1246	rBV	270734	419350	48.90%	3.964%
40	10.546	1264	1268	1271	rBV4	22382	32730	3.82%	0.309%
41	10.587	1271	1275	1281	rVB	80650	123235	14.37%	1.165%
42	10.652	1281	1286	1293	rBV7	26283	49795	5.81%	0.471%
43	10.716	1293	1297	1304	rVB7	14652	27821	3.24%	0.263%
44	10.810	1305	1313	1314	rBV8	12753	23094	2.69%	0.218%
45	10.910	1324	1330	1336	rVB6	27162	60238	7.02%	0.569%
46	11.004	1344	1346	1350	rVB4	12823	13492	1.57%	0.128%
47	11.099	1356	1362	1363	rBV4	21700	34441	4.02%	0.326%
48	11.128	1363	1367	1370	rVV3	22665	30941	3.61%	0.292%
49	11.193	1375	1378	1384	rVB7	25572	46492	5.42%	0.440%
50	11.269	1384	1391	1397	rBV6	40695	85069	9.92%	0.804%
51	11.346	1399	1404	1411	rVB3	57847	110570	12.89%	1.045%
52	11.410	1411	1415	1417	rBV3	8611	12226	1.43%	0.116%
53	11.452	1417	1422	1427	rBV	111909	192805	22.48%	1.823%
54	11.540	1433	1437	1443	rVB6	18656	35474	4.14%	0.335%
55	11.622	1446	1451	1459	rVB4	49134	91300	10.65%	0.863%
56	11.710	1460	1466	1471	rBV8	22683	46539	5.43%	0.440%
57	11.863	1483	1492	1503	rBV	348850	558430	65.11%	5.279%
58	11.993	1510	1514	1519	rVB4	44284	71512	8.34%	0.676%
59	12.087	1519	1530	1538	rVB4	41220	125659	14.65%	1.188%
60	12.310	1565	1568	1572	rBV4	13565	24892	2.90%	0.235%
61	12.363	1572	1577	1581	rVB3	46870	80610	9.40%	0.762%
62	12.504	1596	1601	1605	rBV3	35920	51806	6.04%	0.490%
63	12.551	1605	1609	1616	rVB4	32789	70863	8.26%	0.670%
64	12.616	1616	1620	1627	rBV5	36548	58809	6.86%	0.556%
65	12.687	1627	1632	1637	rVB2	43584	66954	7.81%	0.633%
66	12.775	1642	1647	1652	rBV4	51243	89055	10.38%	0.842%
67	12.828	1652	1656	1663	rVV3	109509	159724	18.62%	1.510%
68	12.916	1666	1671	1676	rVB	151883	207415	24.19%	1.961%
69	13.122	1698	1706	1713	rBV	338947	490451	57.19%	4.636%
70	13.216	1718	1722	1723	rBV3	17695	22833	2.66%	0.216%
71	13.287	1731	1734	1738	rVB5	27177	37247	4.34%	0.352%
72	13.787	1811	1819	1822	rBV	89084	169532	19.77%	1.603%
73	13.828	1822	1826	1832	rVB3	50464	74954	8.74%	0.709%
74	13.957	1843	1848	1851	rBV7	11304	18724	2.18%	0.177%
75	14.210	1885	1891	1895	rBV	231642	310933	36.26%	2.939%
76	14.304	1898	1907	1915	rVB2	356693	562899	65.64%	5.321%

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

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77	14.651	1962	1966	1967	rBV4	13331	15740	1.84%	0.149%
78	14.710	1973	1976	1982	rVB4	24981	32411	3.78%	0.306%
79	14.828	1993	1996	2005	rVB5	37452	63255	7.38%	0.598%
80	14.898	2005	2008	2011	rBV2	10934	13413	1.56%	0.127%
81	15.163	2049	2053	2058	rVB	119687	149946	17.48%	1.418%
82	15.263	2067	2070	2080	rVB	11637	25973	3.03%	0.246%
83	15.575	2117	2123	2128	rBV2	28874	44494	5.19%	0.421%
84	15.663	2135	2138	2145	rVB9	11502	20873	2.43%	0.197%
85	15.728	2145	2149	2155	rBV8	11710	20662	2.41%	0.195%
86	15.810	2156	2163	2170	rVV	137432	213497	24.89%	2.018%
87	16.034	2196	2201	2209	rBV	64146	112603	13.13%	1.064%
88	16.828	2333	2336	2341	rBV	26986	33398	3.89%	0.316%
89	16.881	2342	2345	2355	rVB3	17941	30993	3.61%	0.293%
90	17.069	2372	2377	2383	rBV	456188	639188	74.53%	6.043%
91	17.569	2459	2462	2468	rVB	20645	27472	3.20%	0.260%
92	17.969	2527	2530	2541	rVB10	24146	47441	5.53%	0.448%
93	18.251	2574	2578	2582	rBV2	23785	33054	3.85%	0.312%
94	18.863	2680	2682	2690	rVB4	26792	40650	4.74%	0.384%
95	19.428	2775	2778	2782	rBV3	44368	68222	7.95%	0.645%
96	19.645	2811	2815	2820	rBV	379919	449413	52.40%	4.248%
97	19.945	2864	2866	2870	rVB	38347	38807	4.52%	0.367%
98	20.886	3023	3026	3029	rBV	76638	79074	9.22%	0.748%
99	21.175	3070	3075	3083	rVB	706573	857614	100.00%	8.107%
100	23.433	3454	3459	3466	rVB2	432738	811448	94.62%	7.671%

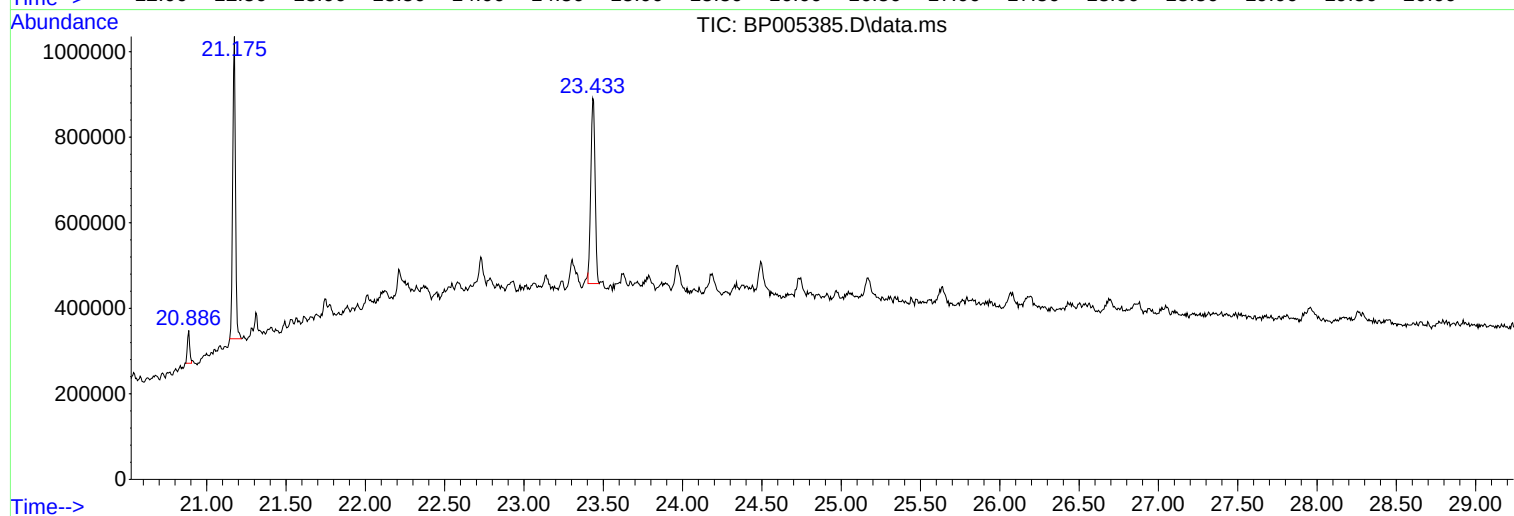
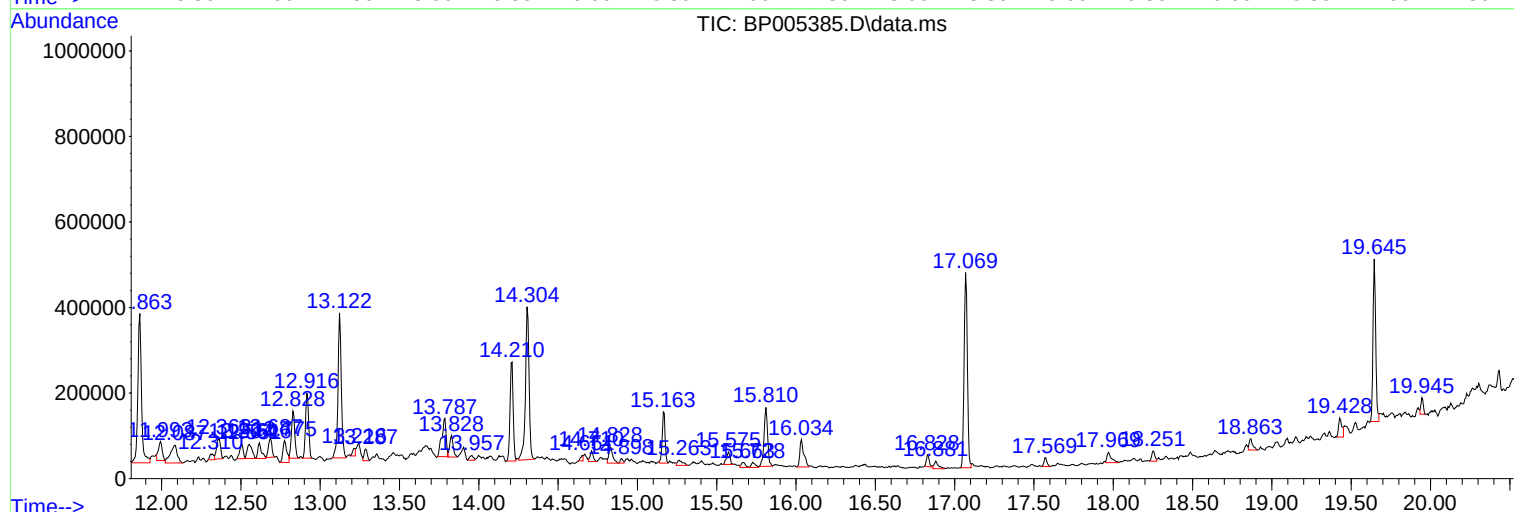
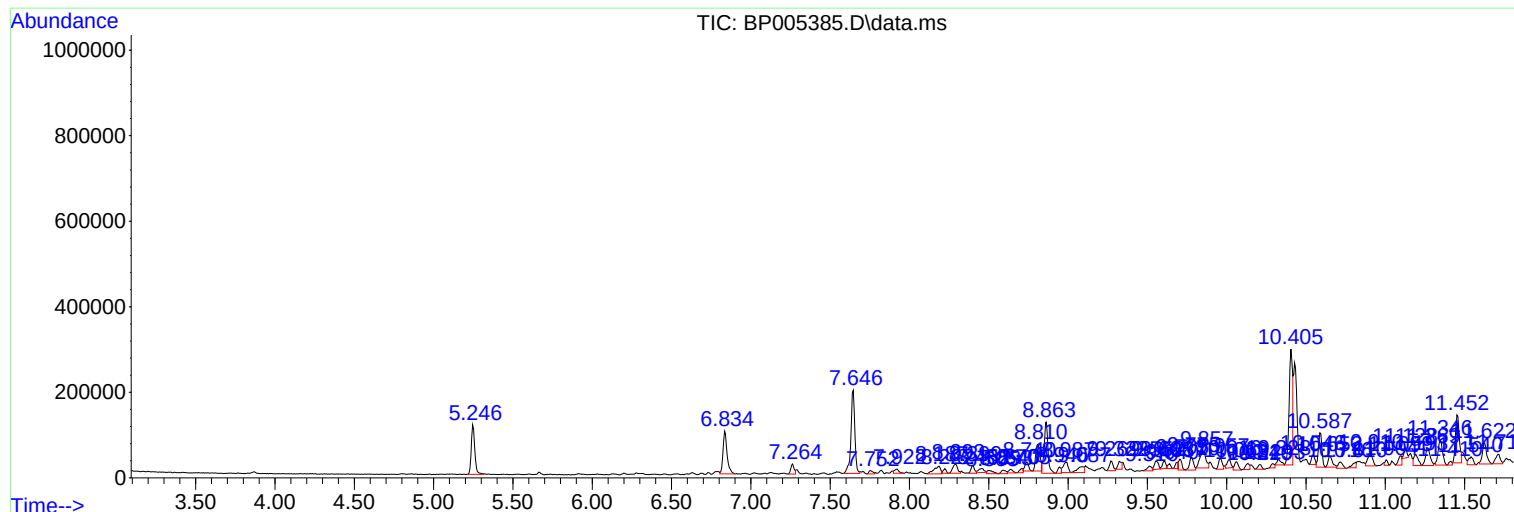
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Instrument :
BNA_P
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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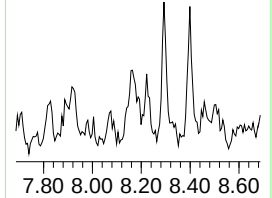
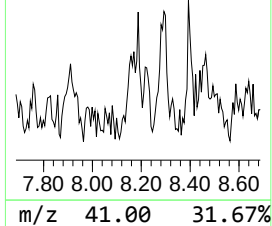
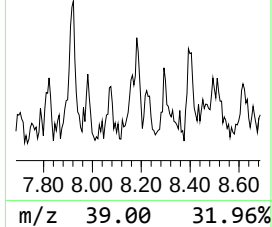
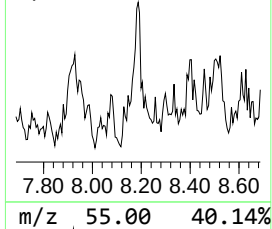
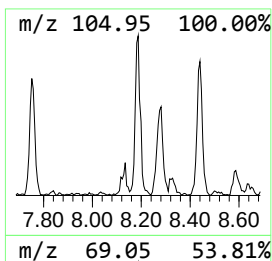
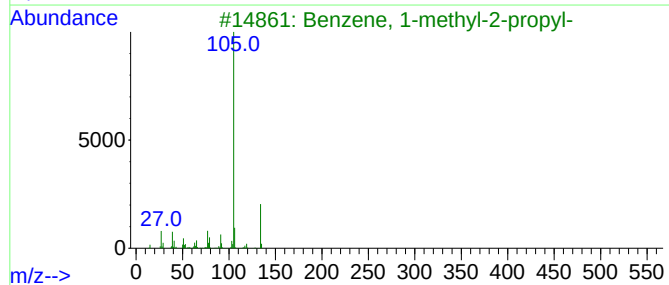
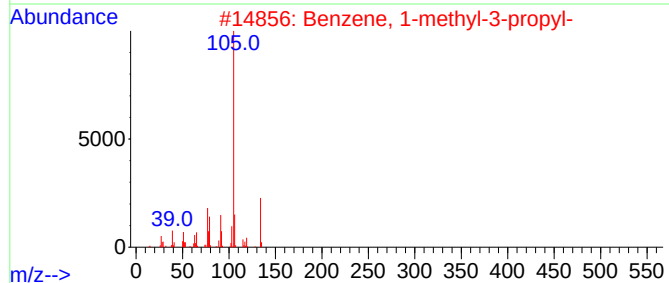
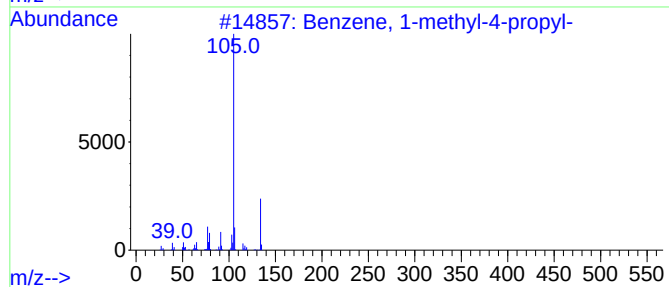
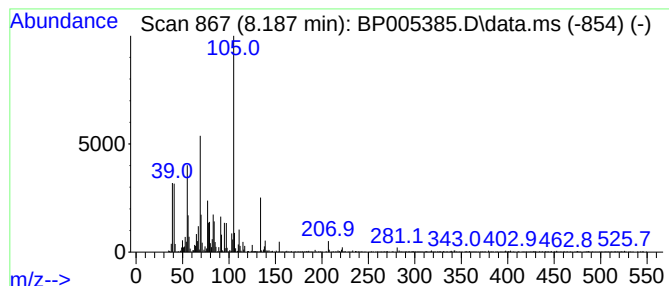
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown8.187 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.187	3.19 ng	52889	1,4-Dichlorobenzene-d4	7.646

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	41
2			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	41
3			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
4			3H-Indazol-3-one, 1,2-dihydro-	134	C7H6N2O	007364-25-2	35
5			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	35



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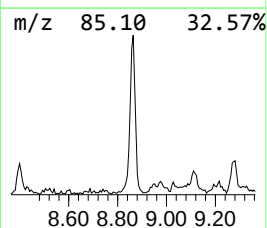
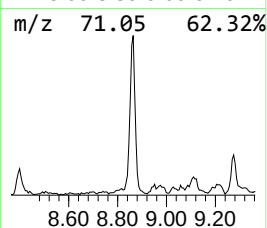
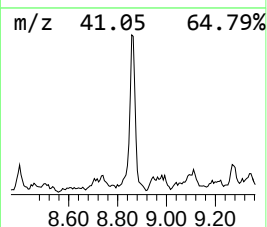
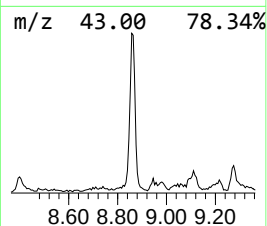
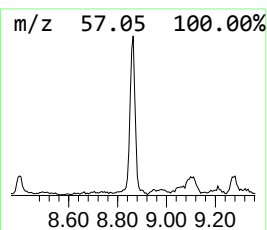
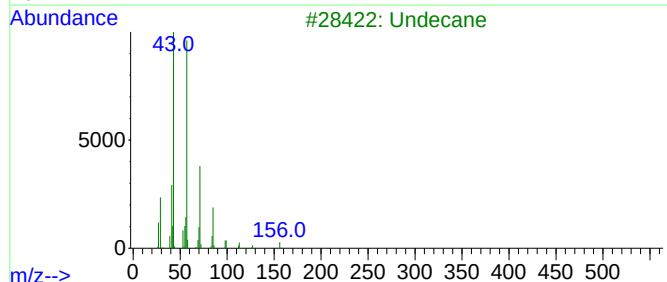
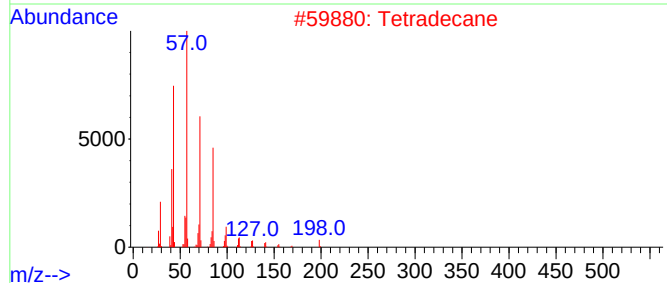
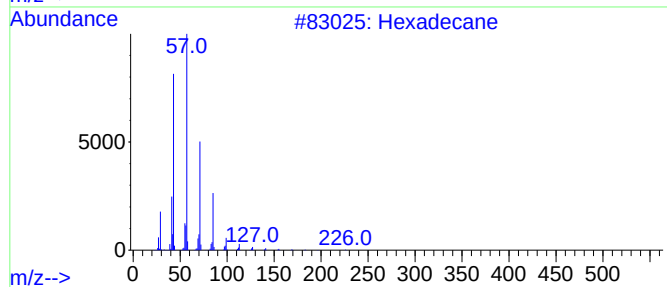
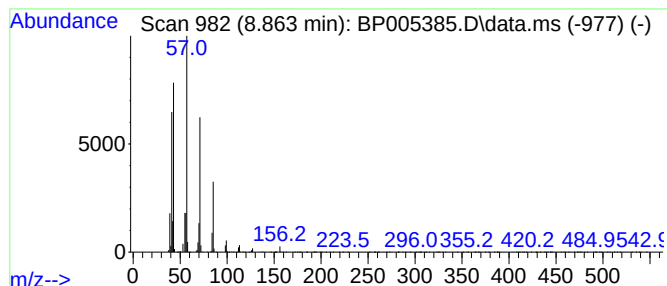
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.863	11.94 ng	198180	1,4-Dichlorobenzene-d4	7.646

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	86
2			Tetradecane	198	C14H30	000629-59-4	83
3			Undecane	156	C11H24	001120-21-4	68
4			Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	64
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64



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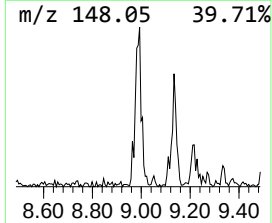
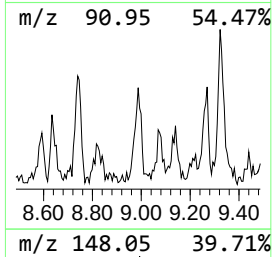
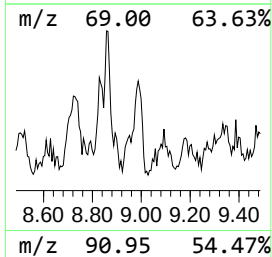
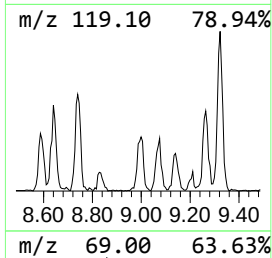
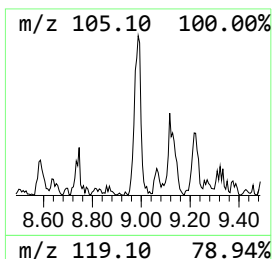
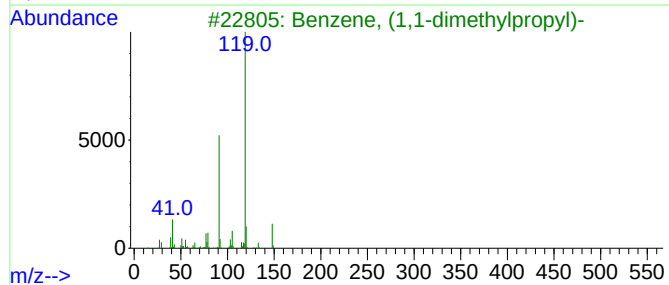
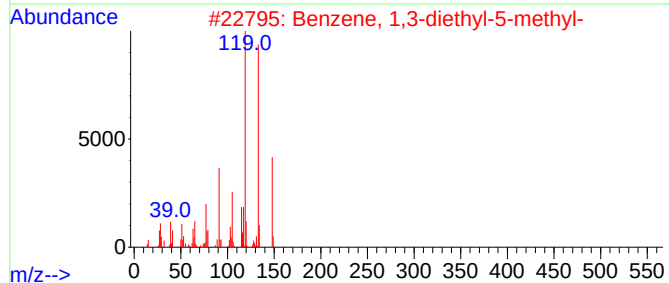
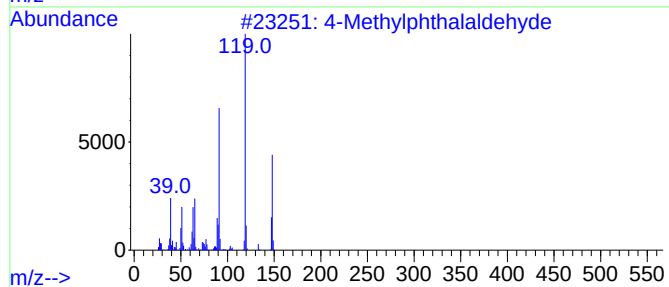
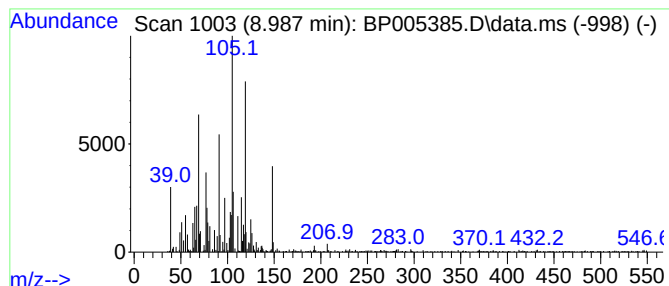
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4-Methylphthalaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.987	3.07 ng	50958	1,4-Dichlorobenzene-d4	7.646

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methylphthalaldehyde	148	C9H8O2	015158-36-8	58
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52
4			Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	50
5			o-Toluic acid, 1-(cyclopentyl)et...	232	C15H20O2	1000293-34-7	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
Sample : M2098-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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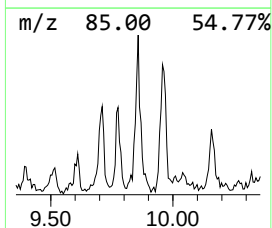
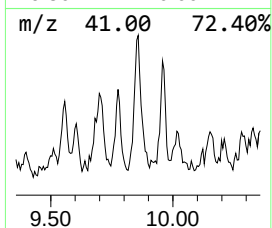
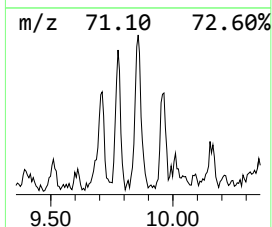
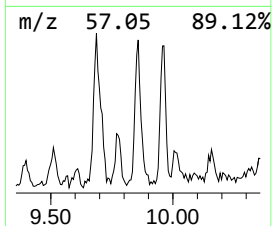
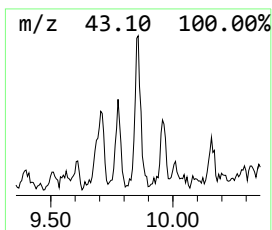
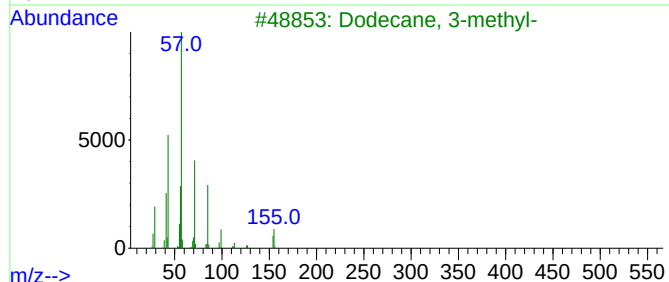
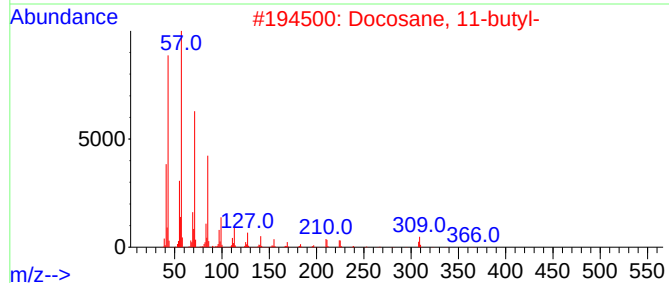
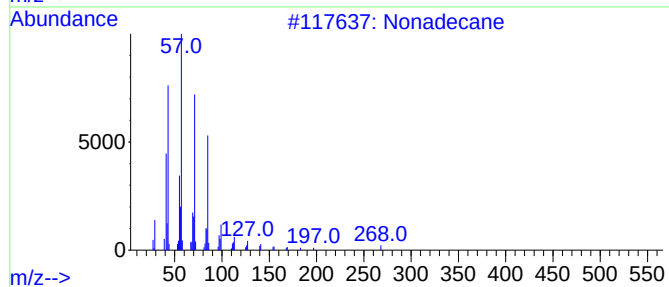
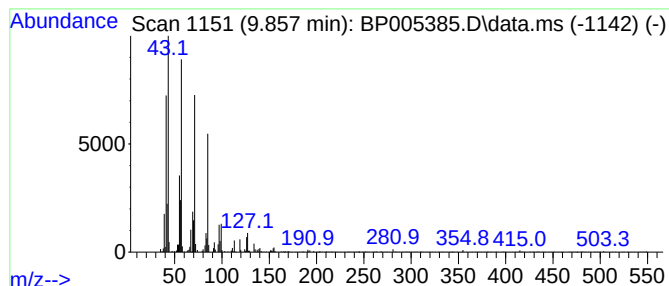
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Nonadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.857	5.07 ng	106322	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	86
2			Docosane, 11-butyl-	366	C26H54	013475-76-8	74
3			Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
4			Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	70
5			Heptacosane	380	C27H56	000593-49-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
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ALS Vial : 21 Sample Multiplier: 1

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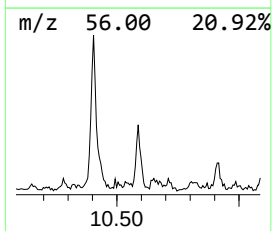
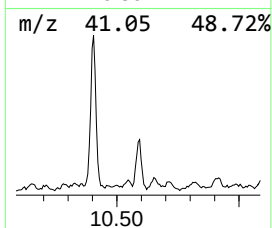
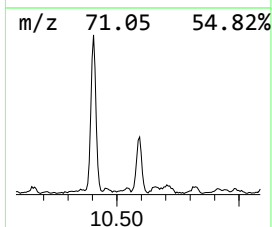
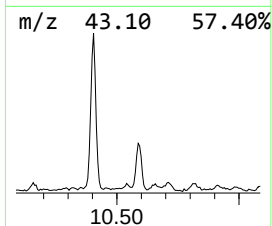
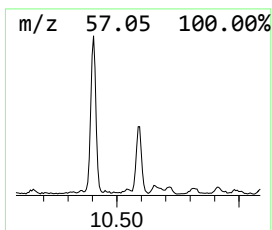
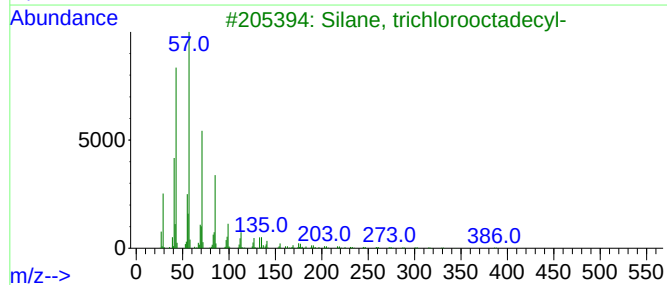
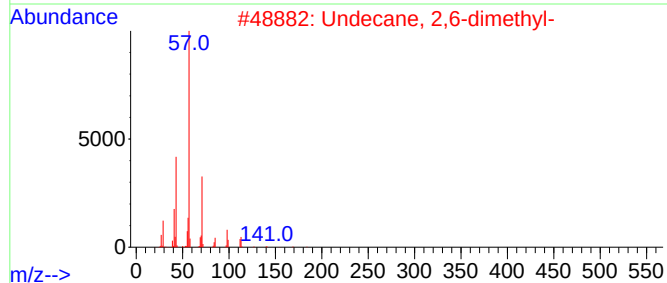
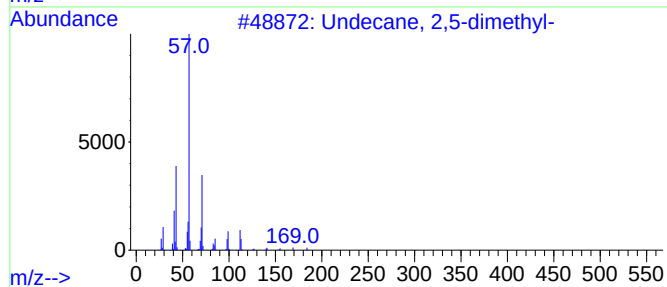
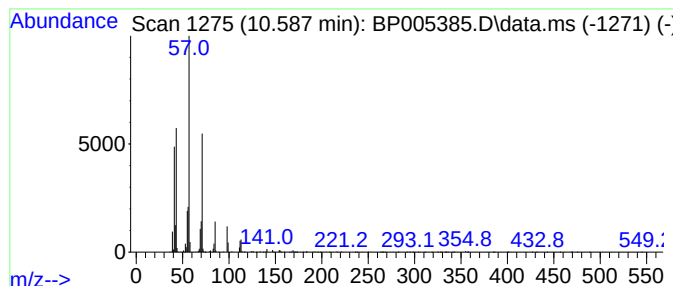
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Undecane, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.587	5.88 ng	123235	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	72
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	68
3			Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	64
4			Decane	142	C10H22	000124-18-5	59
5			Dodecane, 6-methyl-	184	C13H28	006044-71-9	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
Sample : M2098-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-04-042021

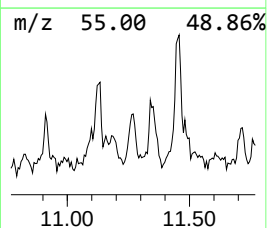
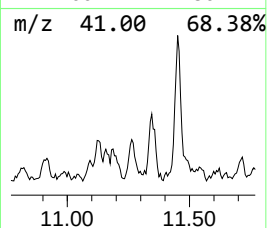
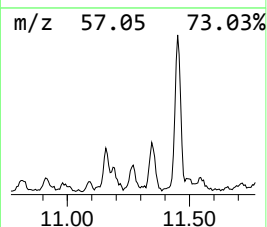
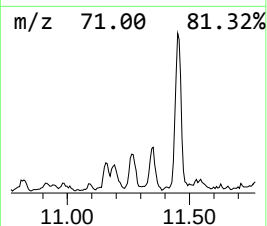
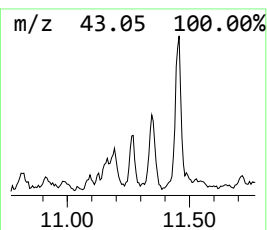
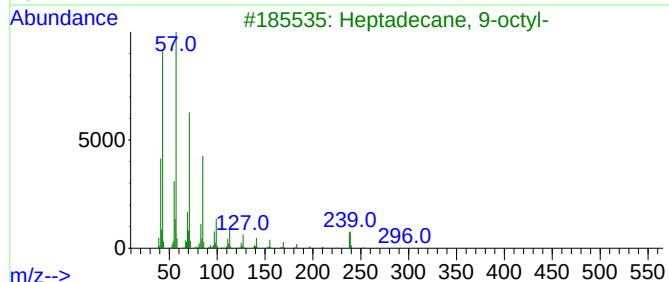
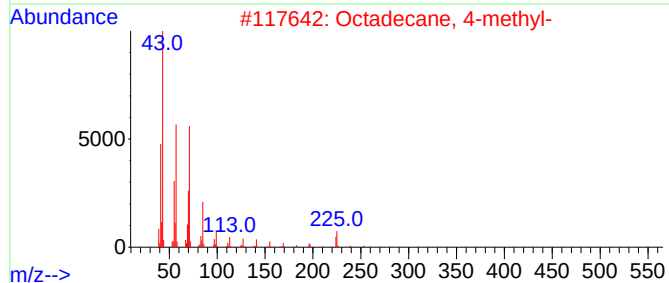
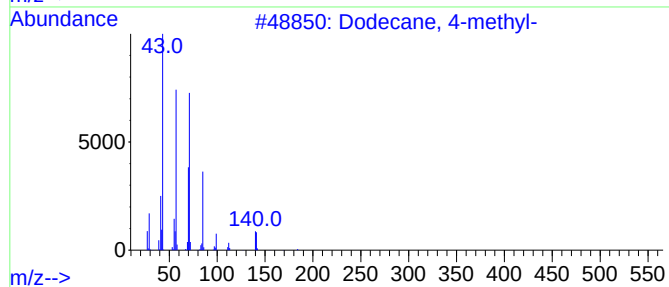
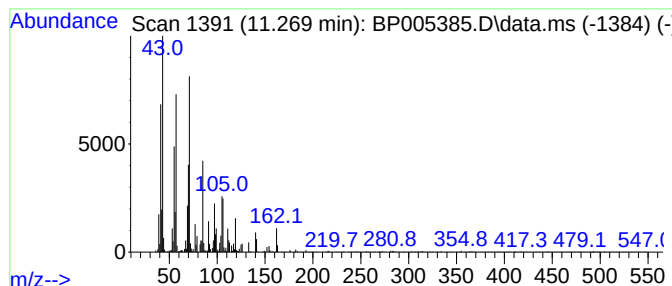
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dodecane, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.269	4.06 ng	85069	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4-methyl-	184	C13H28	006117-97-1	70
2			Octadecane, 4-methyl-	268	C19H40	010544-95-3	49
3			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	45
4			2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	43
5			2-Bromo dodecane	248	C12H25Br	013187-99-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
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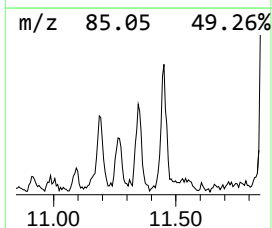
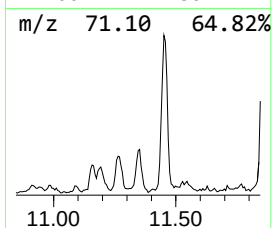
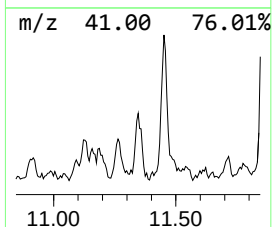
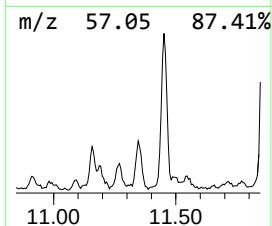
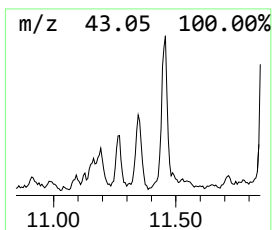
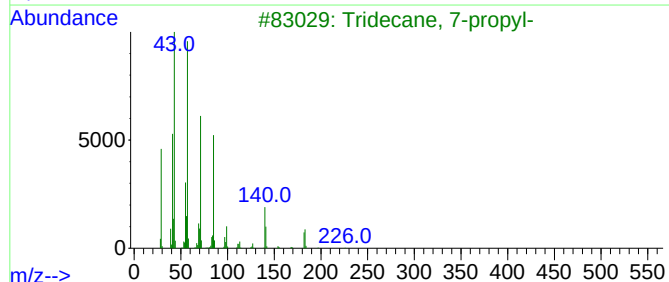
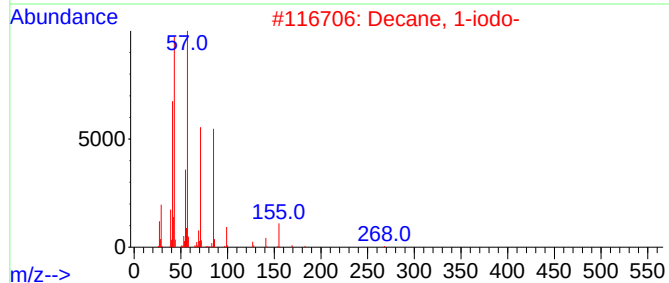
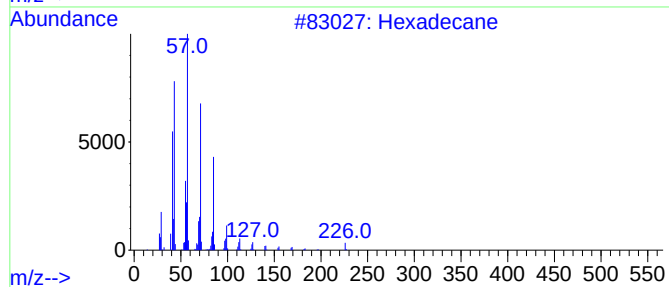
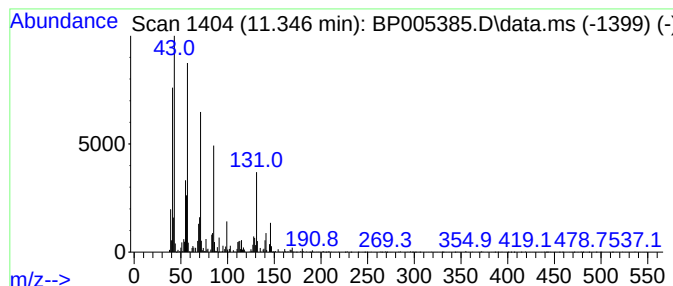
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Decane, 1-iodo- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.346	5.27 ng	110570	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	68
2			Decane, 1-iodo-	268	C10H21I	002050-77-3	62
3			Tridecane, 7-propyl-	226	C16H34	055045-09-5	58
4			Nonadecane	268	C19H40	000629-92-5	58
5			1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
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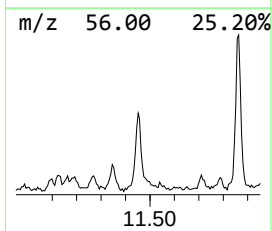
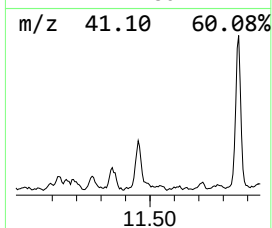
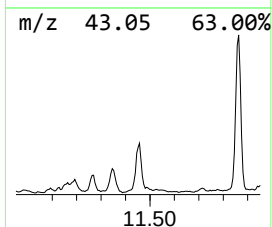
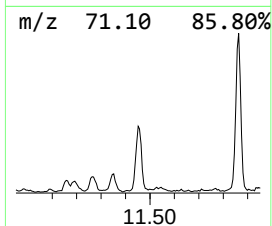
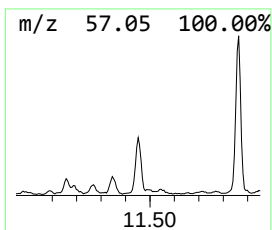
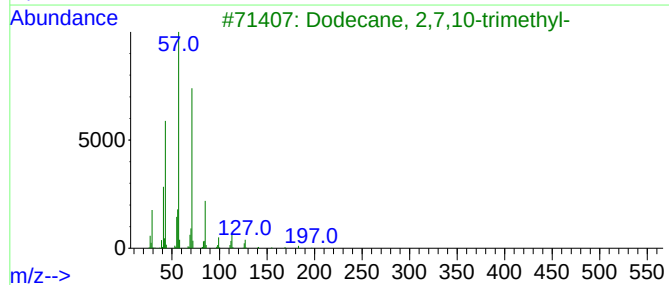
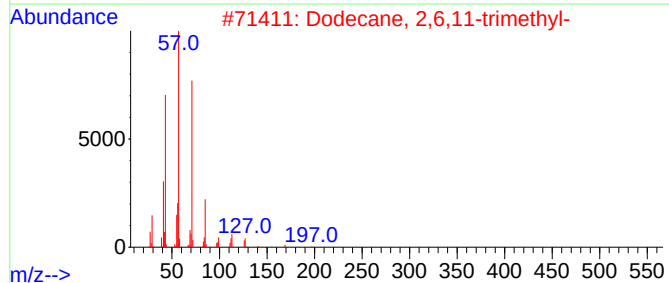
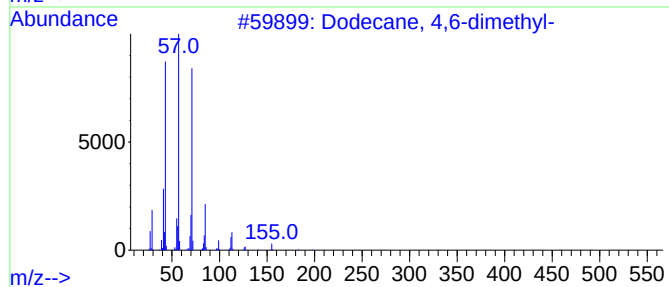
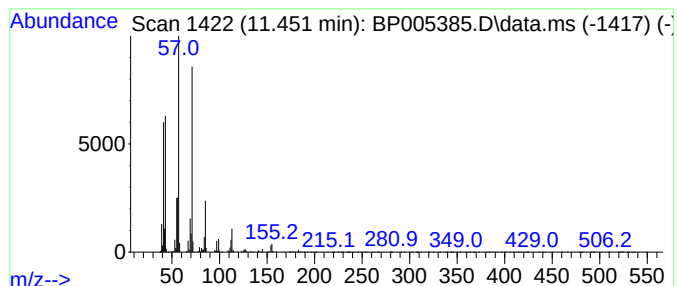
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dodecane, 4,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.451	9.20 ng	192805	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	93
2			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
4			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	83
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
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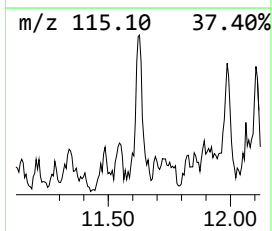
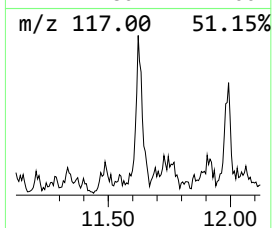
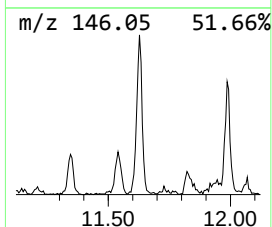
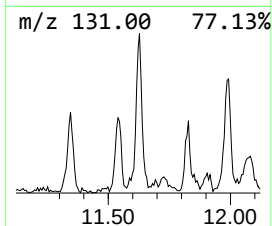
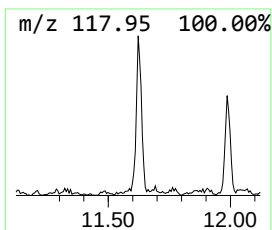
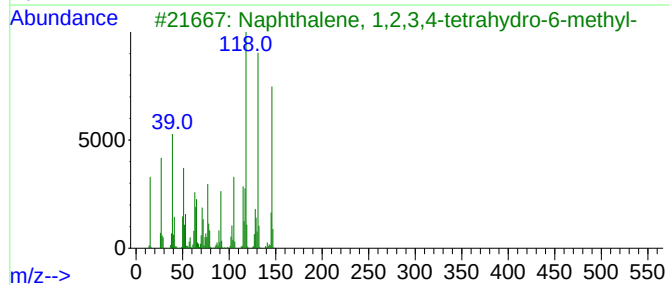
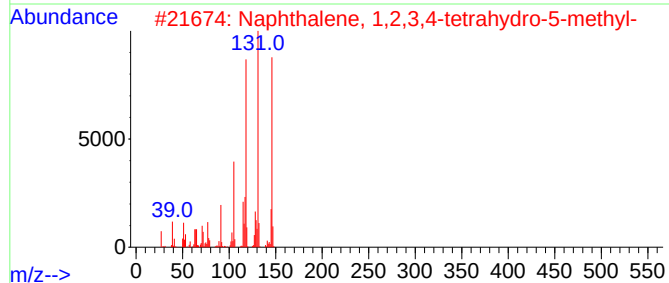
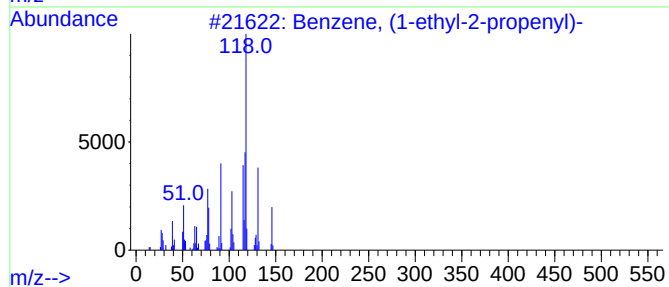
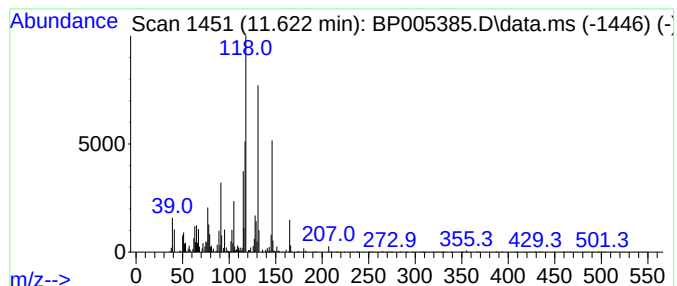
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.622	4.35 ng	91300	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	94
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	83
4			1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	68
5			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
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ALS Vial : 21 Sample Multiplier: 1

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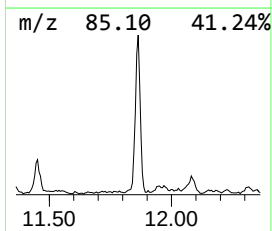
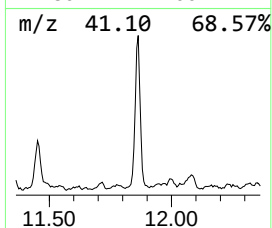
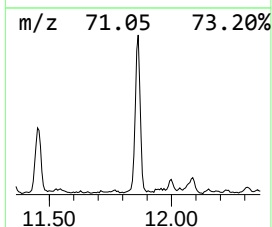
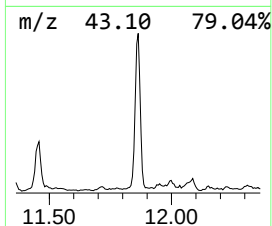
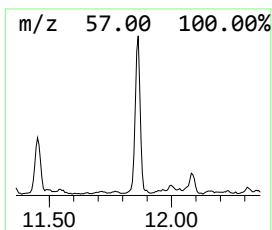
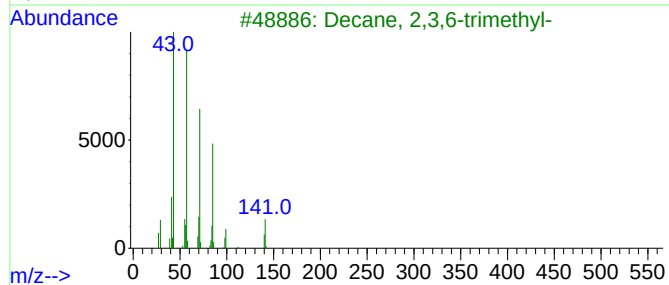
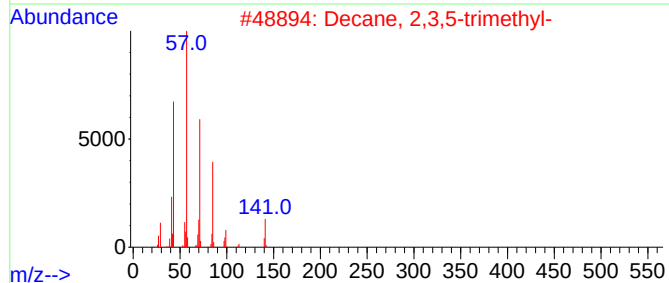
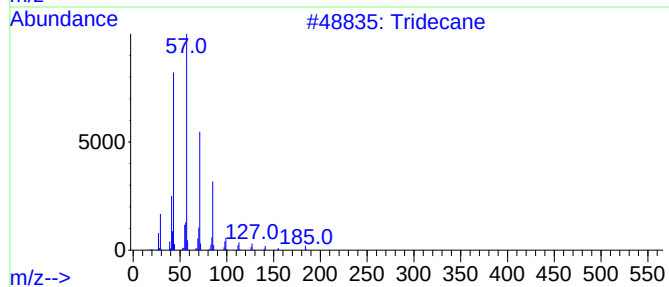
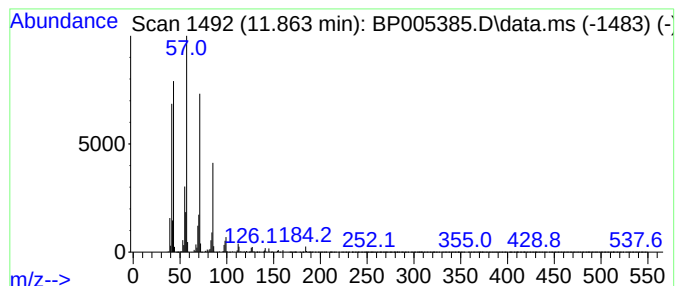
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	26.63 ng	558430	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	94
2			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	83
4			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
5			Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
Sample : M2098-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HR-04-042021

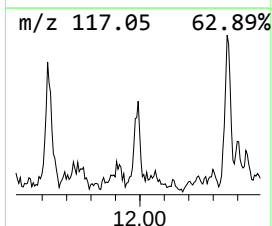
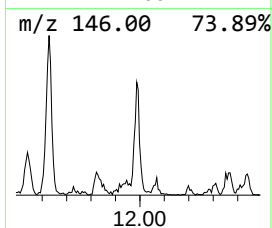
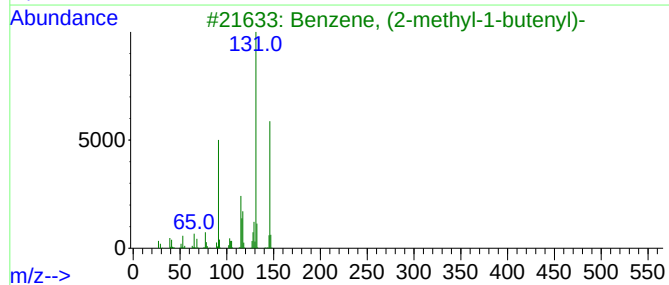
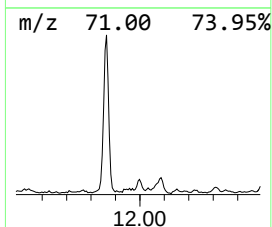
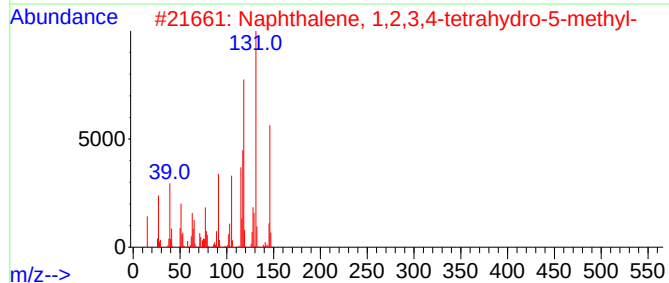
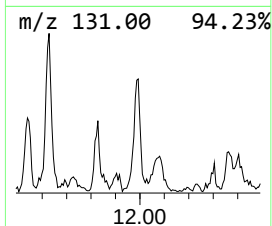
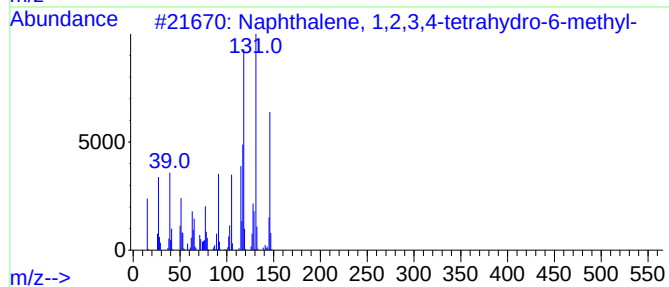
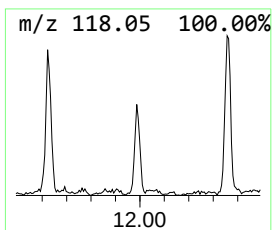
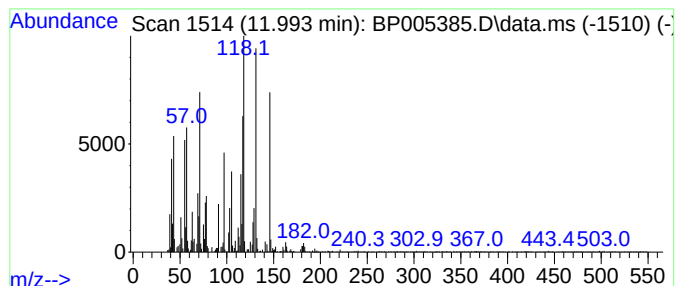
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.993	3.41 ng	71512	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	62
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58
3			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	27
4			5H-Benzocycloheptene,6,7,8,9-tet...	146	C11H14	001075-16-7	27
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
Sample : M2098-03 5X
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-04-042021

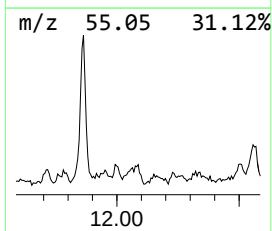
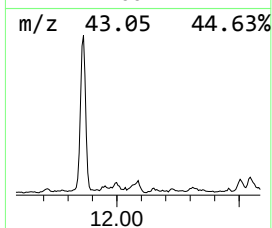
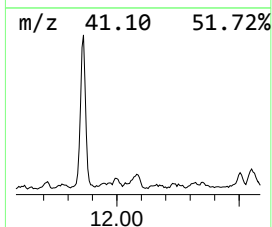
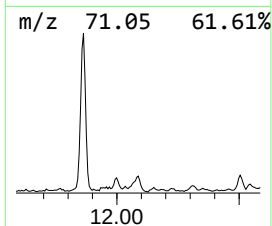
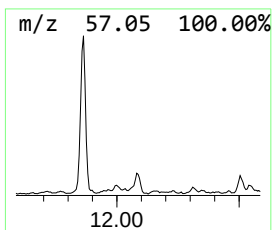
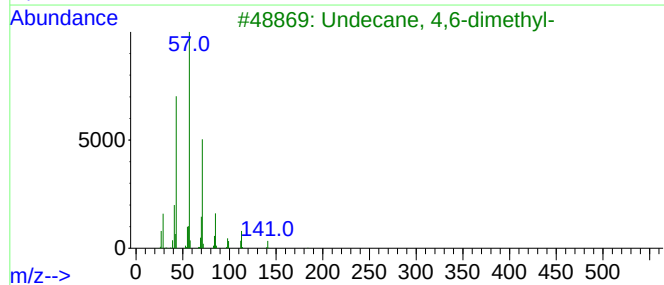
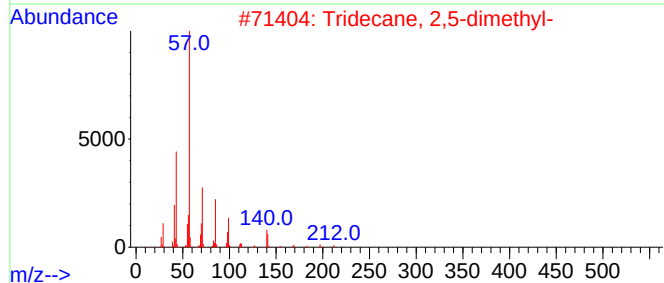
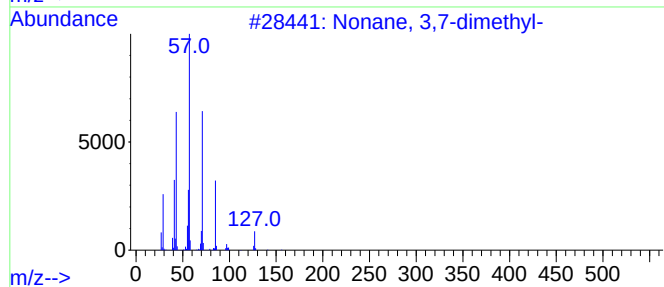
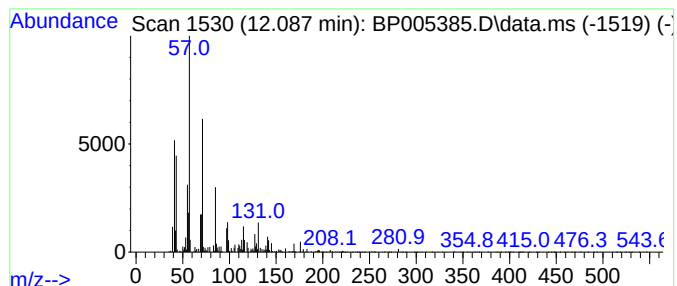
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown12.087 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.087	5.99 ng	125659	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	49
2			Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	47
3			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	47
4			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	47
5			3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
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Misc :
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ClientSampleId :
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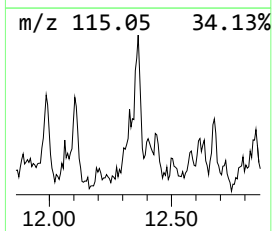
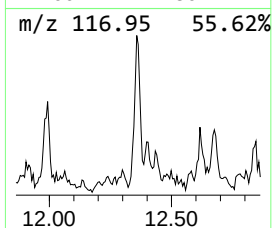
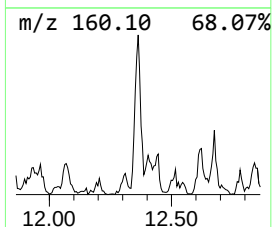
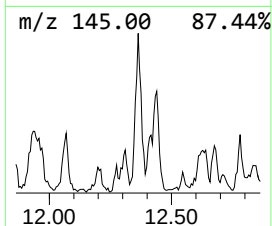
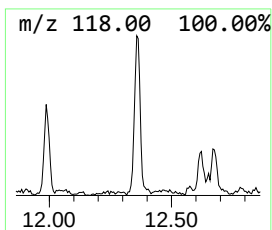
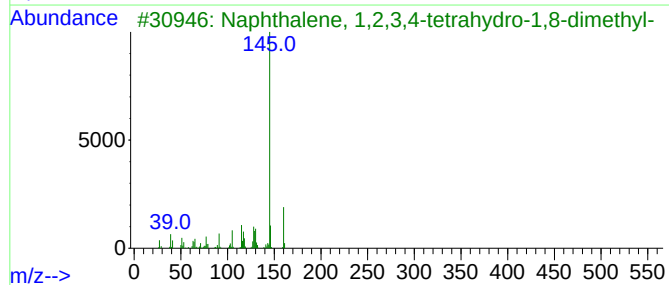
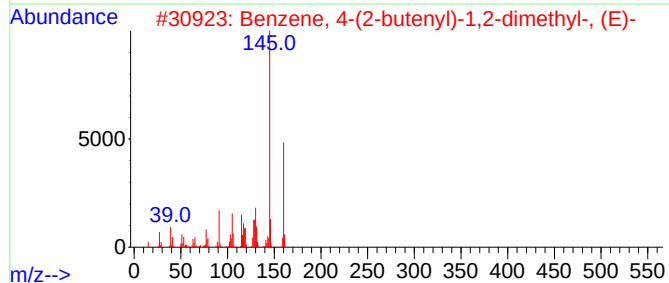
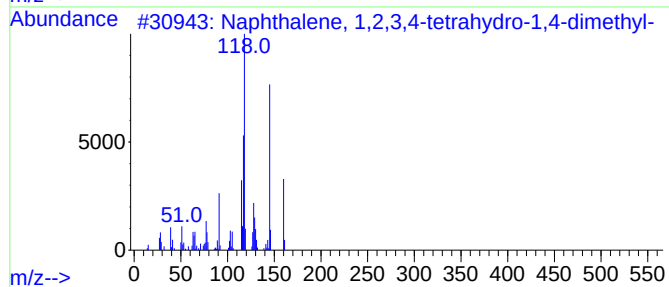
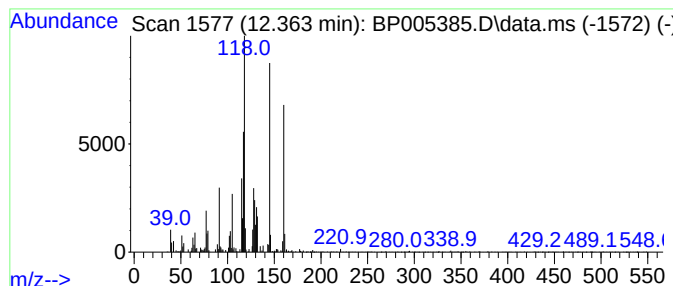
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	3.84 ng	80610	Naphthalene-d8	10.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	91
2			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	89
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	52
4			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	49
5			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
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ClientSampleId :
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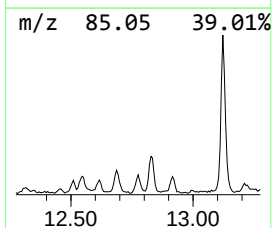
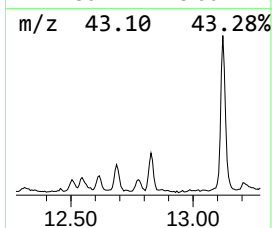
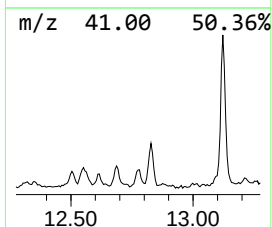
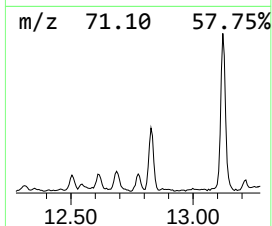
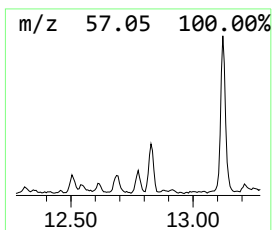
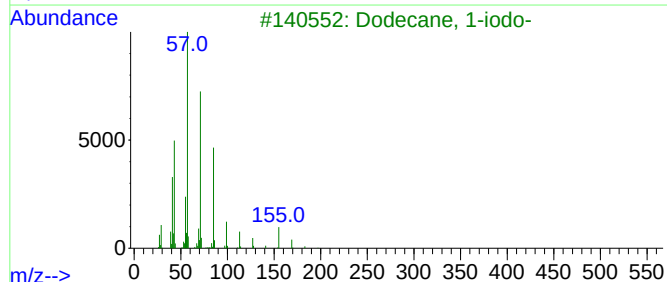
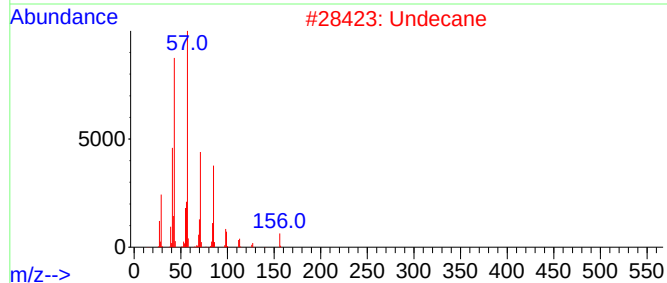
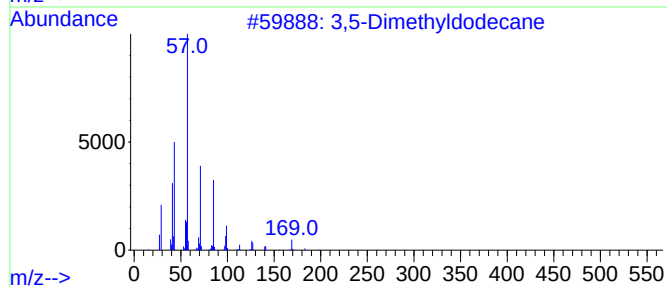
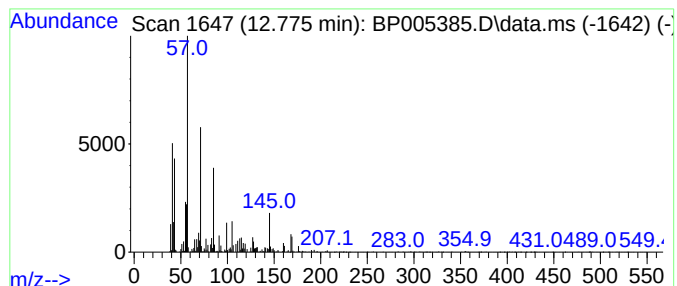
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 3,5-Dimethyldodecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	3.16 ng	89055	Acenaphthene-d10	14.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Dimethyldodecane	198	C14H30	107770-99-0	64
2			Undecane	156	C11H24	001120-21-4	64
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
4			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
5			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
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Sample : M2098-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

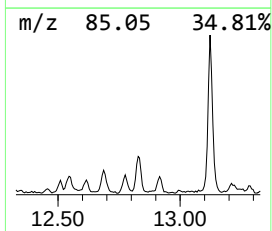
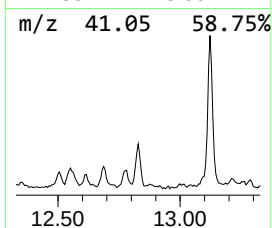
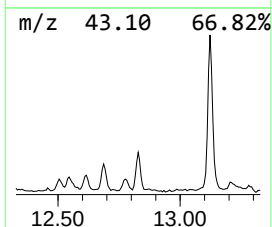
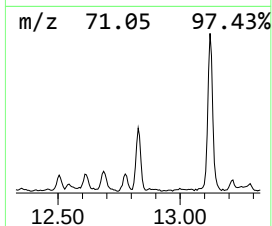
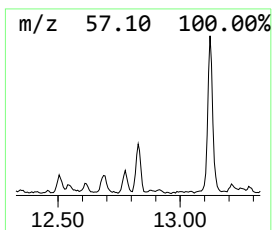
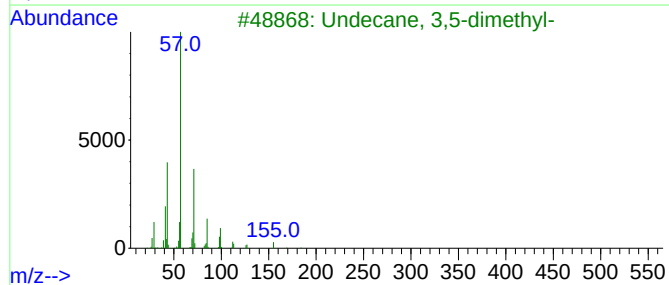
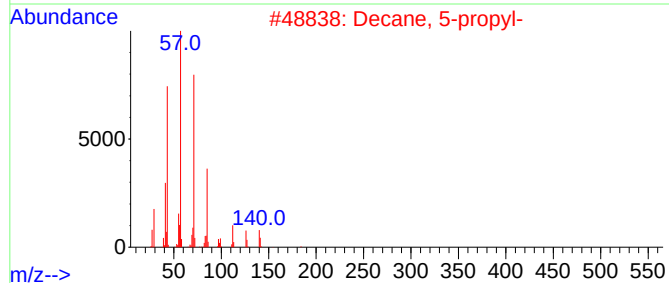
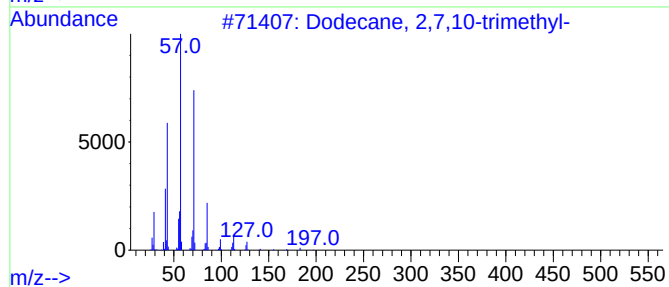
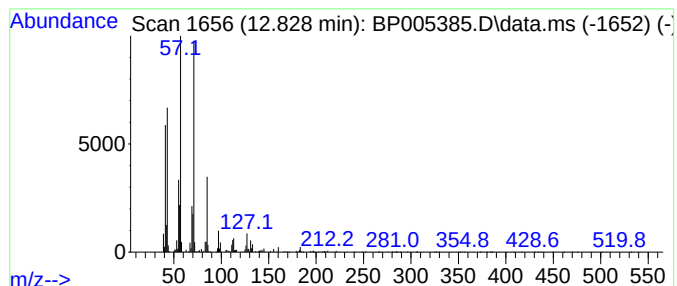
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Dodecane, 2,7,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.828	5.68 ng	159724	Acenaphthene-d10	14.304	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2	Decane, 5-propyl-	184	C13H28	017312-62-8	72
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HR-04-042021

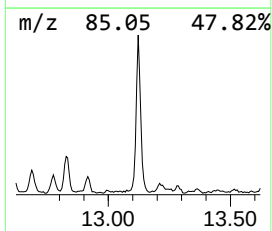
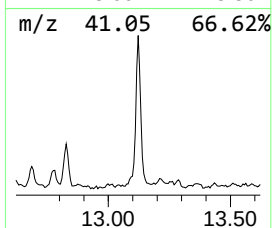
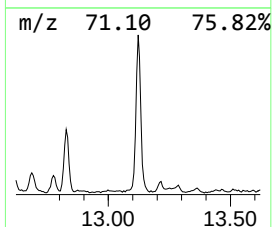
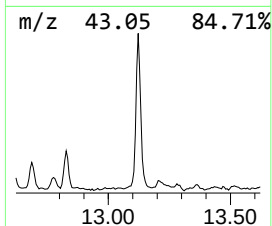
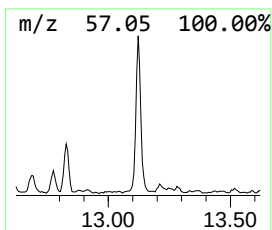
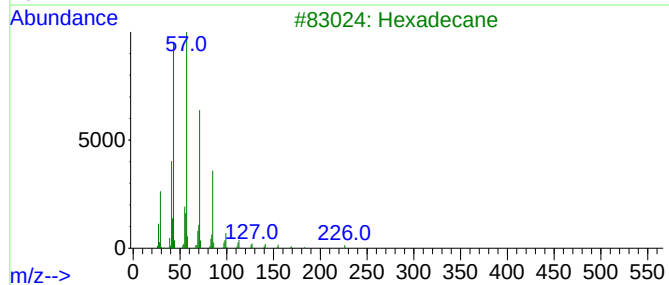
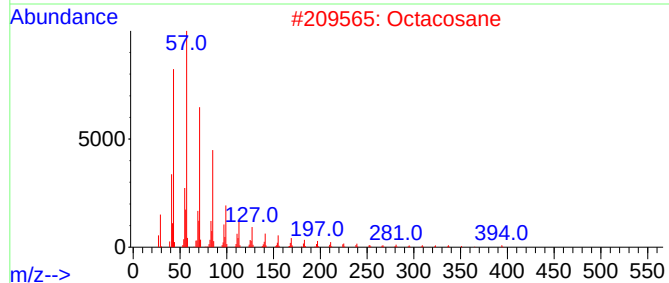
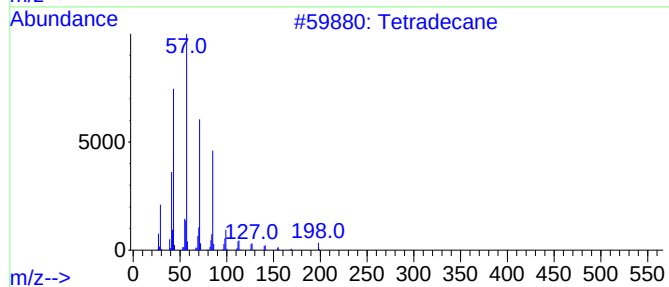
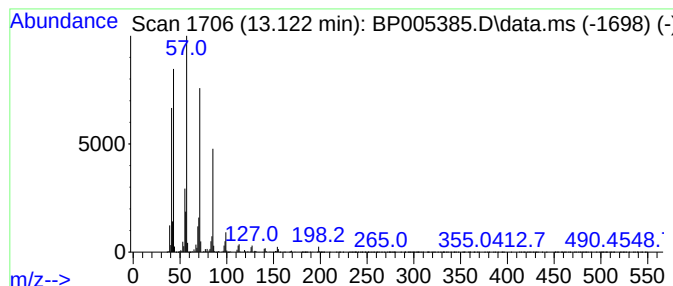
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Octacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.122	17.43 ng	490451	Acenaphthene-d10	14.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	95
2		Octacosane	394	C28H58	000630-02-4	86
3		Hexadecane	226	C16H34	000544-76-3	80
4		Decane, 2-methyl-	156	C11H24	006975-98-0	72
5		Decane, 5-propyl-	184	C13H28	017312-62-8	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
Sample : M2098-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HR-04-042021

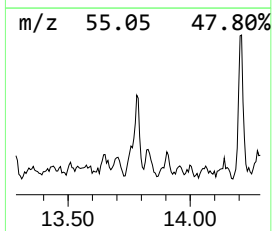
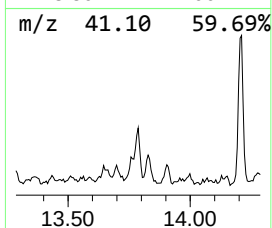
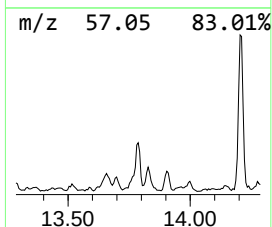
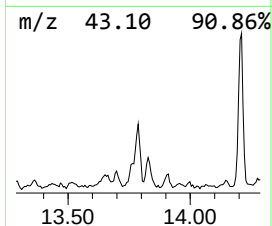
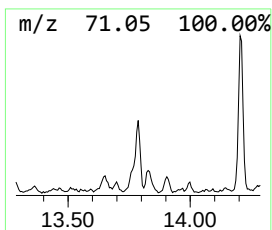
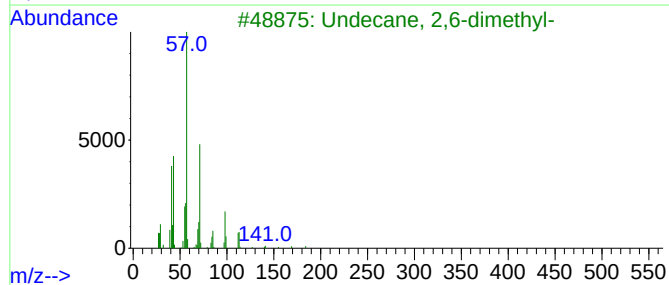
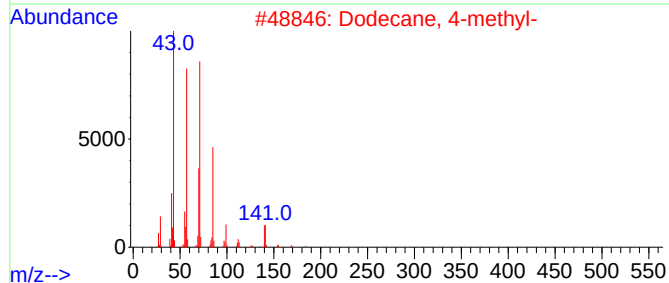
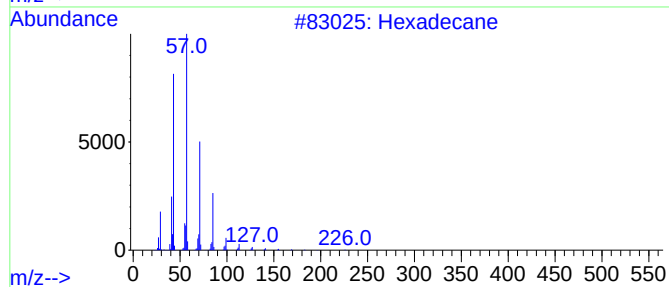
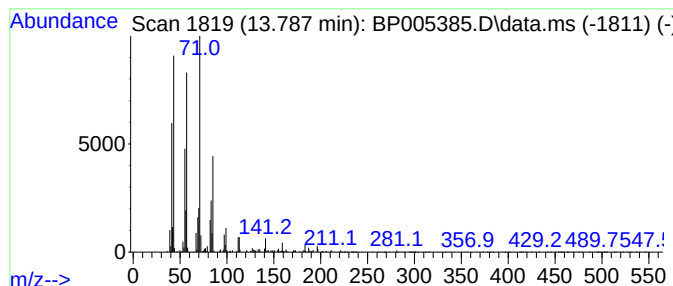
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Undecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.787	6.02 ng	169532	Acenaphthene-d10	14.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane	226	C16H34	000544-76-3	70
2		Dodecane, 4-methyl-	184	C13H28	006117-97-1	62
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
4		Eicosane	282	C20H42	000112-95-8	58
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
Sample : M2098-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HR-04-042021

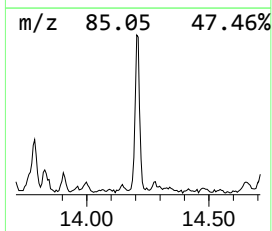
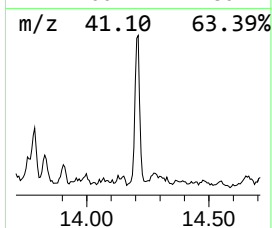
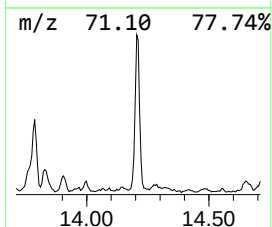
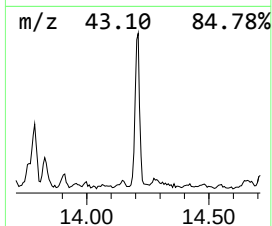
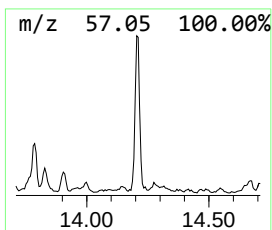
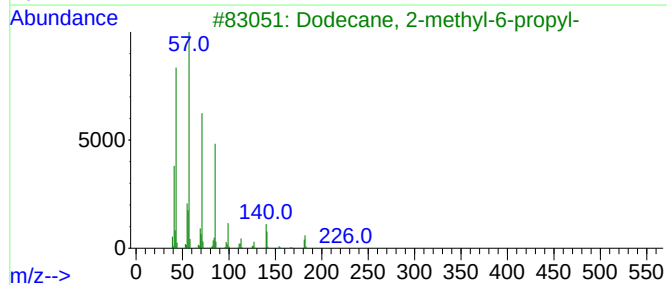
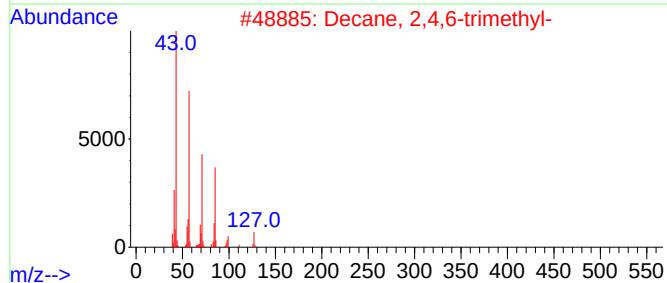
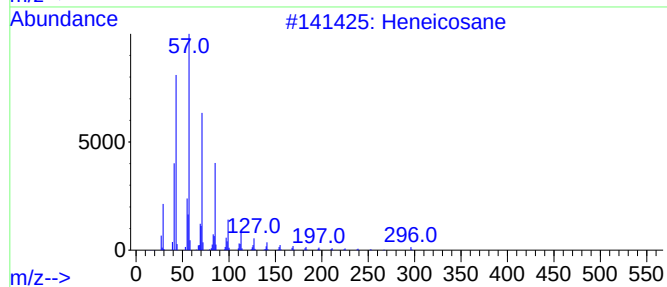
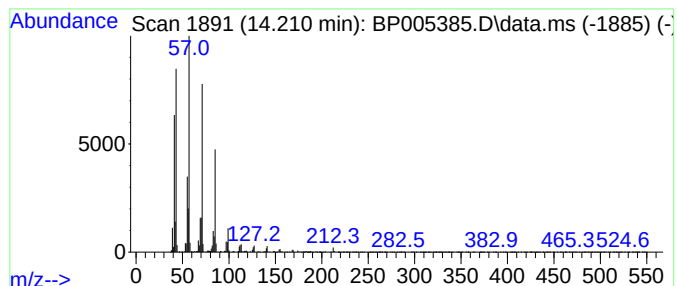
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.210	11.05 ng	310933	Acenaphthene-d10	14.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	93
2			Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	90
3			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4			Hexadecane	226	C16H34	000544-76-3	86
5			Tridecane	184	C13H28	000629-50-5	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
Sample : M2098-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HR-04-042021

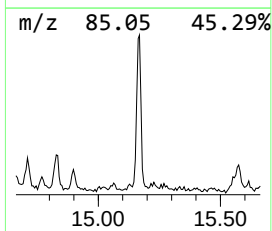
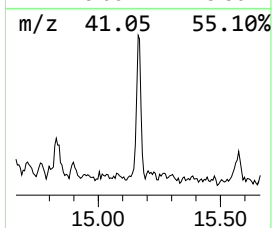
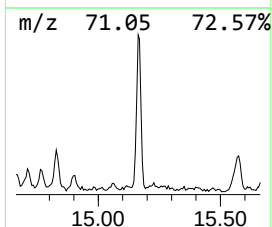
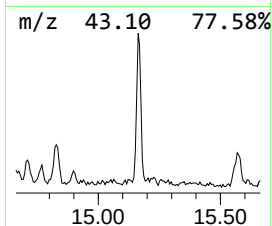
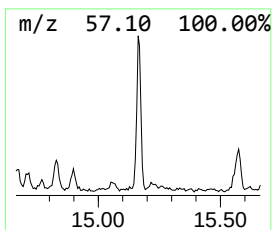
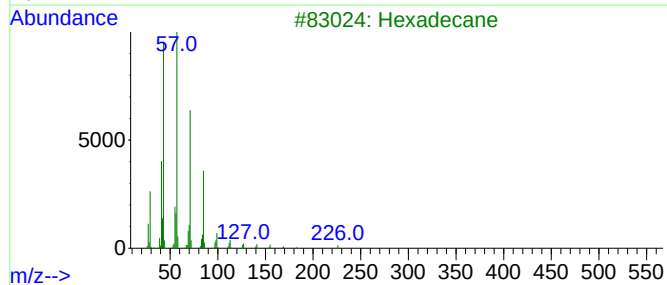
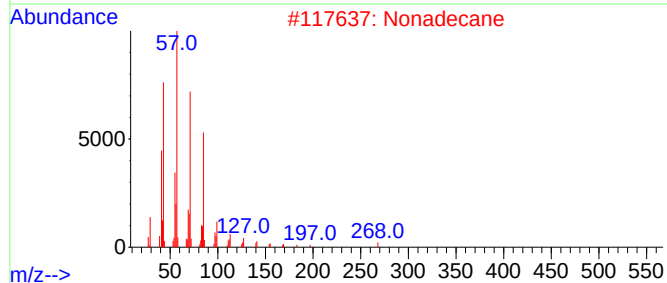
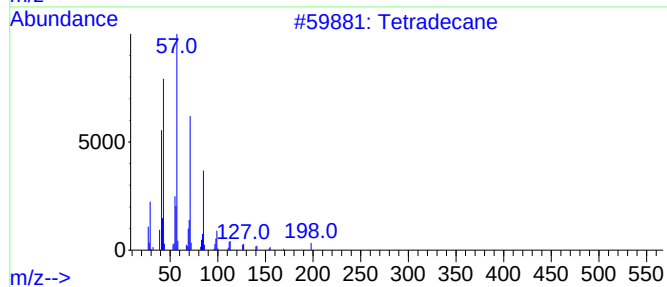
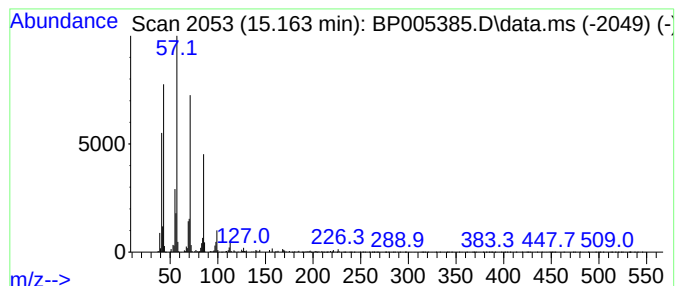
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	5.33 ng	149946	Acenaphthene-d10	14.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	90
2		Nonadecane	268	C19H40	000629-92-5	90
3		Hexadecane	226	C16H34	000544-76-3	89
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
5		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
Data File : BP005385.D
Acq On : 22 Apr 2021 20:30
Operator : CG/JU
Sample : M2098-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

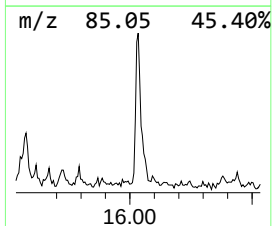
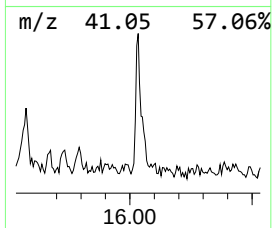
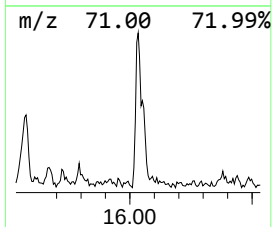
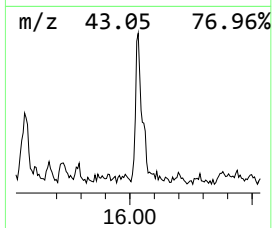
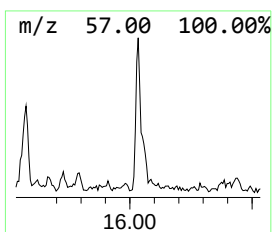
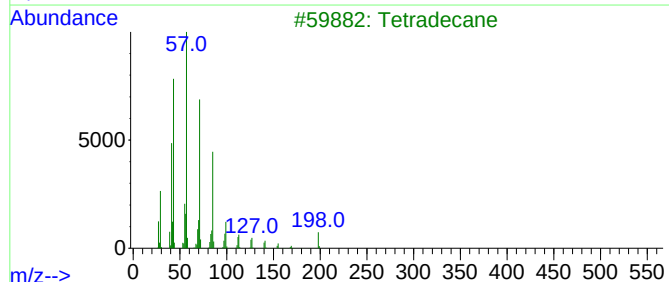
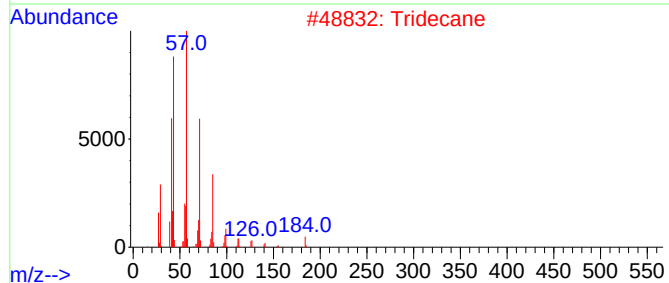
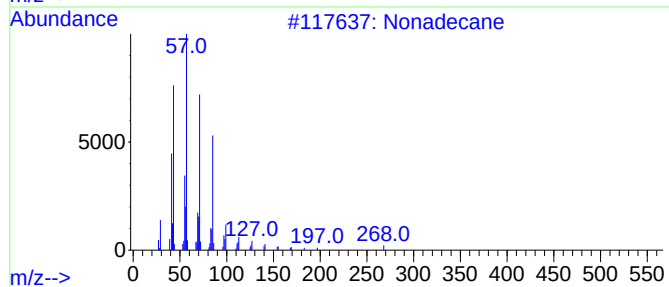
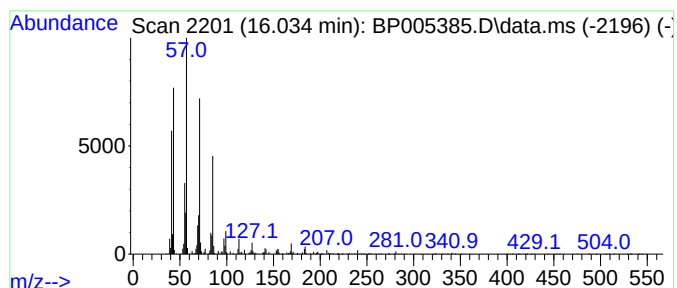
Instrument :
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ClientSampleId :
HR-04-042021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Tetracosane, 3-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.034	3.52 ng	112603	Phenanthrene-d10	17.069	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	97
2	Tridecane	184	C13H28	000629-50-5	90
3	Tetradecane	198	C14H30	000629-59-4	87
4	Tetracosane, 3-ethyl-	366	C26H54	055282-17-2	76
5	Decane, 2-methyl-	156	C11H24	006975-98-0	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
 Data File : BP005385.D
 Acq On : 22 Apr 2021 20:30
 Operator : CG/JU
 Sample : M2098-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HR-04-042021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown8.187	8.187	3.2	ng	52889	1	7.646	332043	20.0
Hexadecane	8.863	11.9	ng	198180	1	7.646	332043	20.0
4-Methylphthala...	8.987	3.1	ng	50958	1	7.646	332043	20.0
Nonadecane	9.857	5.1	ng	106322	2	10.428	419350	20.0
Undecane, 2,5-d...	10.587	5.9	ng	123235	2	10.428	419350	20.0
Dodecane, 4-met...	11.269	4.1	ng	85069	2	10.428	419350	20.0
Decane, 1-iodo-	11.346	5.3	ng	110570	2	10.428	419350	20.0
Dodecane, 4,6-d...	11.451	9.2	ng	192805	2	10.428	419350	20.0
Benzene, (1-eth...	11.622	4.3	ng	91300	2	10.428	419350	20.0
Tridecane	11.863	26.6	ng	558430	2	10.428	419350	20.0
Naphthalene, 1,...	11.993	3.4	ng	71512	2	10.428	419350	20.0
unknown12.087	12.087	6.0	ng	125659	2	10.428	419350	20.0
Naphthalene, 1,...	12.363	3.8	ng	80610	2	10.428	419350	20.0
3,5-Dimethyldod...	12.775	3.2	ng	89055	3	14.304	562899	20.0
Dodecane, 2,7,1...	12.828	5.7	ng	159724	3	14.304	562899	20.0
Octacosane	13.122	17.4	ng	490451	3	14.304	562899	20.0
Undecane, 2,6-d...	13.787	6.0	ng	169532	3	14.304	562899	20.0
Heneicosane	14.210	11.1	ng	310933	3	14.304	562899	20.0
Tetradecane	15.163	5.3	ng	149946	3	14.304	562899	20.0
Tetracosane, 3-...	16.034	3.5	ng	112603	4	17.069	639188	20.0