

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140161.D
 Acq On : 30 Oct 2024 16:53
 Operator : RC/JU
 Sample : P4618-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-102924

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_F\Methods\8270-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140161.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.169	6	13	23	rVB	1126983	1783437	69.98%	4.061%
2	5.110	508	513	518	rVB	22137	35627	1.40%	0.081%
3	5.498	572	579	584	rBV	1700047	2262276	88.77%	5.151%
4	6.504	743	750	755	rBV	1632005	2327815	91.35%	5.300%
5	6.710	781	785	790	rBV2	25444	35682	1.40%	0.081%
6	6.881	809	814	819	rBV	480624	586950	23.03%	1.336%
7	7.157	854	861	864	rVB2	19407	27030	1.06%	0.062%
8	7.198	864	868	875	rVB2	22570	32002	1.26%	0.073%
9	7.275	875	881	885	rBV2	19730	30018	1.18%	0.068%
10	7.439	900	909	914	rBV	1188134	1610000	63.18%	3.666%
11	7.528	919	924	927	rVB4	18400	28497	1.12%	0.065%
12	7.686	947	951	959	rVB2	51778	82240	3.23%	0.187%
13	7.781	959	967	968	rBV3	15617	30989	1.22%	0.071%
14	7.898	981	987	990	rBV5	22922	41175	1.62%	0.094%
15	8.163	1019	1032	1039	rBV2	619939	1002118	39.32%	2.282%
16	8.216	1039	1041	1044	rVV2	30897	33022	1.30%	0.075%
17	8.334	1054	1061	1063	rBV4	17686	35597	1.40%	0.081%
18	8.363	1063	1066	1071	rVB3	28042	44773	1.76%	0.102%
19	8.451	1076	1081	1085	rBV5	36184	56534	2.22%	0.129%
20	8.545	1093	1097	1100	rBV3	26439	33808	1.33%	0.077%
21	8.581	1100	1103	1109	rBV3	35959	64719	2.54%	0.147%
22	8.663	1114	1117	1121	rBV2	61074	82573	3.24%	0.188%
23	8.751	1128	1132	1136	rBV	132832	170489	6.69%	0.388%
24	8.822	1141	1144	1147	rVV2	35577	51072	2.00%	0.116%
25	8.875	1150	1153	1156	rVB	54779	65773	2.58%	0.150%
26	8.981	1166	1171	1175	rBV2	96370	156111	6.13%	0.355%
27	9.122	1191	1195	1199	rVB4	49447	77152	3.03%	0.176%
28	9.186	1203	1206	1210	rVV3	69449	94697	3.72%	0.216%
29	9.239	1210	1215	1220	rVB	2033772	2548375	100.00%	5.802%
30	9.322	1224	1229	1234	rBV	275991	395170	15.51%	0.900%
31	9.392	1238	1241	1244	rVB	51455	63880	2.51%	0.145%
32	9.504	1256	1260	1265	rVB4	56132	95878	3.76%	0.218%
33	9.575	1266	1272	1275	rBV4	90533	194969	7.65%	0.444%
34	9.639	1279	1283	1286	rVV3	157149	257717	10.11%	0.587%
35	9.698	1290	1293	1297	rVB2	83444	112452	4.41%	0.256%
36	9.786	1305	1308	1312	rBV3	35768	56739	2.23%	0.129%

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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_F\Methods\8270-BF101824.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.851	1315	1319	1324	rVV	353338	448850	17.61%	1.022%
38	9.922	1324	1331	1334	rVV	607532	836147	32.81%	1.904%
39	9.957	1334	1337	1341	rVB	306739	355573	13.95%	0.810%
40	10.028	1346	1349	1353	rVB	38407	45029	1.77%	0.103%
41	10.086	1355	1359	1361	rBV3	67676	104453	4.10%	0.238%
42	10.128	1362	1366	1370	rVV	138829	222597	8.73%	0.507%
43	10.175	1371	1374	1378	rVB4	81159	111027	4.36%	0.253%
44	10.245	1383	1386	1388	rBV3	29796	41550	1.63%	0.095%
45	10.357	1400	1405	1409	rBV	425652	532150	20.88%	1.212%
46	10.475	1420	1425	1430	rBV	223320	348989	13.69%	0.795%
47	10.575	1437	1442	1448	rBV	166112	276025	10.83%	0.628%
48	10.639	1448	1453	1460	rVB2	403434	563455	22.11%	1.283%
49	10.716	1460	1466	1471	rBV	1007655	1347172	52.86%	3.067%
50	10.833	1481	1486	1494	rVB	527341	861636	33.81%	1.962%
51	10.951	1503	1506	1509	rBV	47790	57124	2.24%	0.130%
52	11.022	1515	1518	1521	rBV2	62041	88521	3.47%	0.202%
53	11.216	1548	1551	1555	rVB	75713	95672	3.75%	0.218%
54	11.280	1557	1562	1565	rVV	440796	609568	23.92%	1.388%
55	11.310	1565	1567	1573	rVB	272434	339856	13.34%	0.774%
56	11.416	1581	1585	1586	rBV	488844	534147	20.96%	1.216%
57	11.445	1586	1590	1594	rVV	1449326	2015092	79.07%	4.588%
58	11.492	1594	1598	1602	rVB	394532	500393	19.64%	1.139%
59	11.645	1619	1624	1631	rBV	159218	274920	10.79%	0.626%
60	11.710	1631	1635	1639	rBV	374311	453814	17.81%	1.033%
61	11.874	1660	1663	1667	rBV2	38873	67307	2.64%	0.153%
62	11.922	1667	1671	1672	rVV	95755	115918	4.55%	0.264%
63	11.945	1672	1675	1681	rVB	339122	453245	17.79%	1.032%
64	12.033	1686	1690	1698	rVB2	266114	470181	18.45%	1.071%
65	12.122	1700	1705	1709	rVB	284310	360667	14.15%	0.821%
66	12.216	1718	1721	1723	rBV	82837	107641	4.22%	0.245%
67	12.398	1749	1752	1761	rVV3	40496	62389	2.45%	0.142%
68	12.474	1761	1765	1767	rVV2	55725	71987	2.82%	0.164%
69	12.510	1767	1771	1776	rVB	221456	278122	10.91%	0.633%
70	12.557	1776	1779	1785	rVB	60624	77588	3.04%	0.177%
71	12.639	1787	1793	1798	rBV	1616719	2122127	83.27%	4.832%
72	12.733	1806	1809	1814	rBV3	55255	95553	3.75%	0.218%
73	12.786	1815	1818	1824	rVB2	64744	91918	3.61%	0.209%
74	12.869	1825	1832	1838	rBV	1271452	2159337	84.73%	4.916%
75	13.010	1848	1856	1862	rVB	1384462	1941492	76.19%	4.420%
76	13.080	1863	1868	1872	rBV4	87198	167243	6.56%	0.381%

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ClientSampleId :
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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_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.192	1880	1887	1891	rVB	184069	322698	12.66%	0.735%
78	13.257	1891	1898	1901	rBV2	150968	298629	11.72%	0.680%
79	13.298	1901	1905	1908	rBV2	73725	90181	3.54%	0.205%
80	13.392	1918	1921	1923	rBV	26590	26940	1.06%	0.061%
81	13.421	1923	1926	1930	rVB2	39817	42817	1.68%	0.097%
82	13.586	1950	1954	1959	rBV3	75859	133962	5.26%	0.305%
83	13.704	1970	1974	1979	rVB	86109	127778	5.01%	0.291%
84	13.821	1989	1994	1996	rBV3	118008	188260	7.39%	0.429%
85	13.851	1996	1999	2001	rVV	44667	59856	2.35%	0.136%
86	13.916	2007	2010	2018	rVB2	142081	229940	9.02%	0.524%
87	14.074	2030	2037	2040	rBV3	995149	1770461	69.47%	4.031%
88	14.104	2040	2042	2049	rVB	681832	882875	34.64%	2.010%
89	14.186	2053	2056	2060	rVB	118486	140432	5.51%	0.320%
90	14.310	2074	2077	2081	rVB2	68045	90224	3.54%	0.205%
91	14.480	2102	2106	2109	rVB	84089	104604	4.10%	0.238%
92	14.574	2119	2122	2126	rBV2	75925	106307	4.17%	0.242%
93	14.804	2157	2161	2164	rBV3	56869	94358	3.70%	0.215%
94	15.162	2216	2222	2232	rBV	714431	1783993	70.01%	4.062%
95	15.268	2233	2240	2246	rVB3	138929	342207	13.43%	0.779%
96	15.474	2270	2275	2281	rVB	343557	578050	22.68%	1.316%
97	15.545	2281	2287	2293	rBV	516601	835429	32.78%	1.902%
98	15.610	2293	2298	2301	rBV	295147	511467	20.07%	1.165%
99	17.127	2550	2556	2566	rVB2	204664	493353	19.36%	1.123%
100	17.592	2628	2635	2648	rVB	140251	351639	13.80%	0.801%

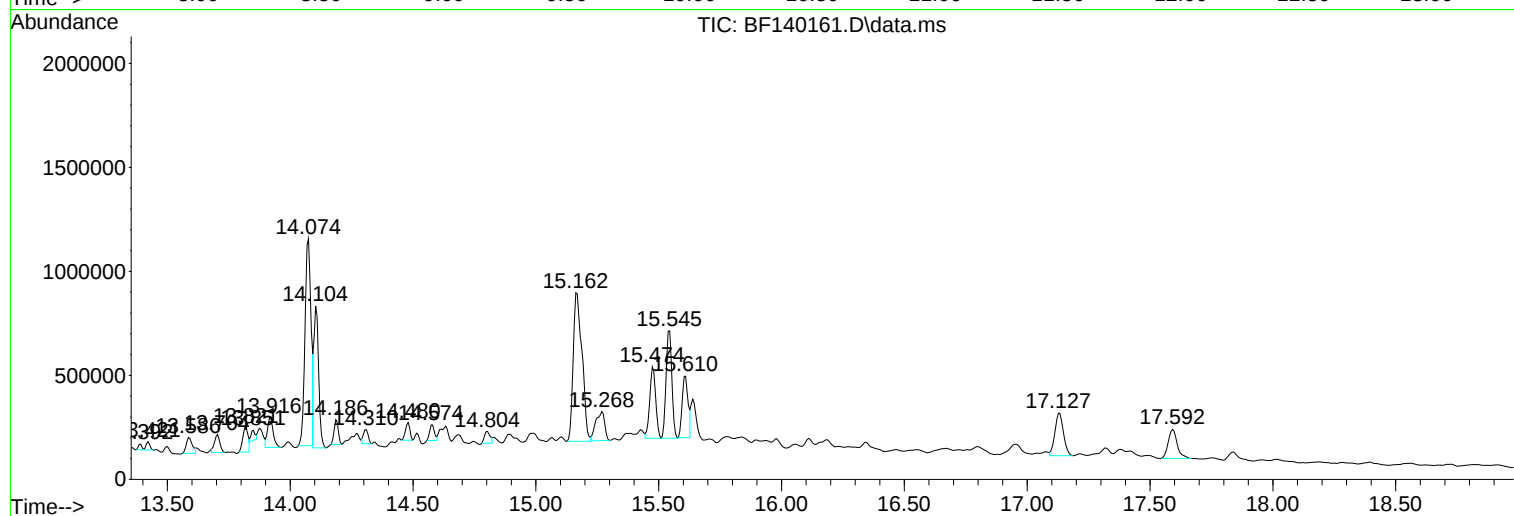
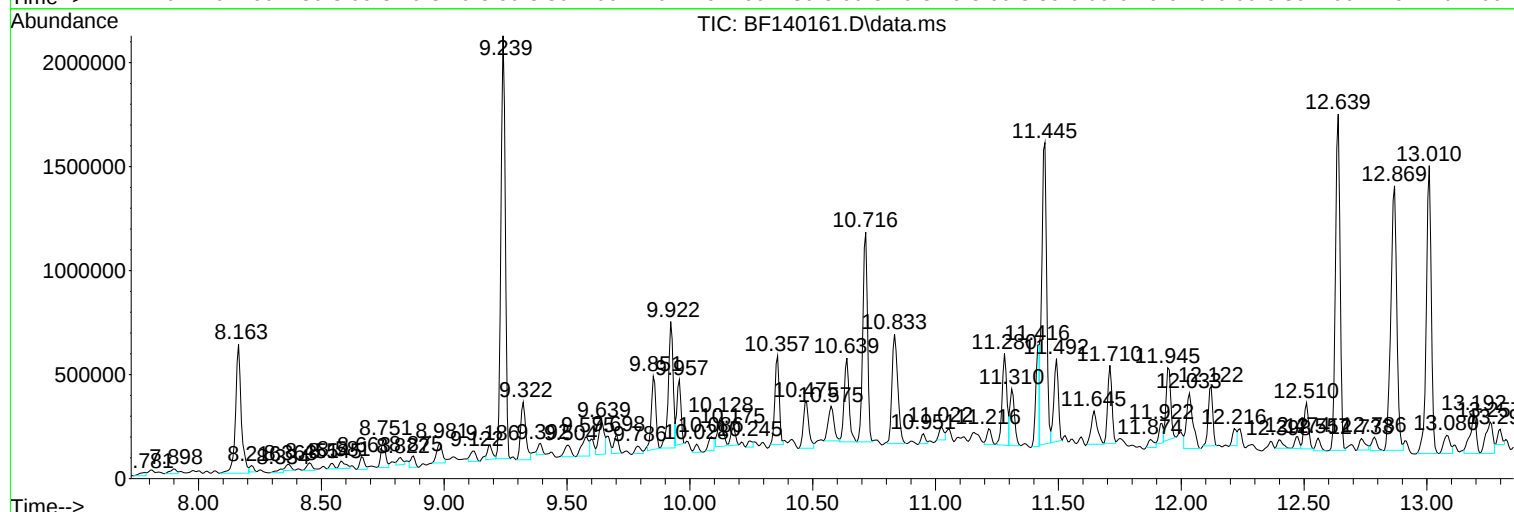
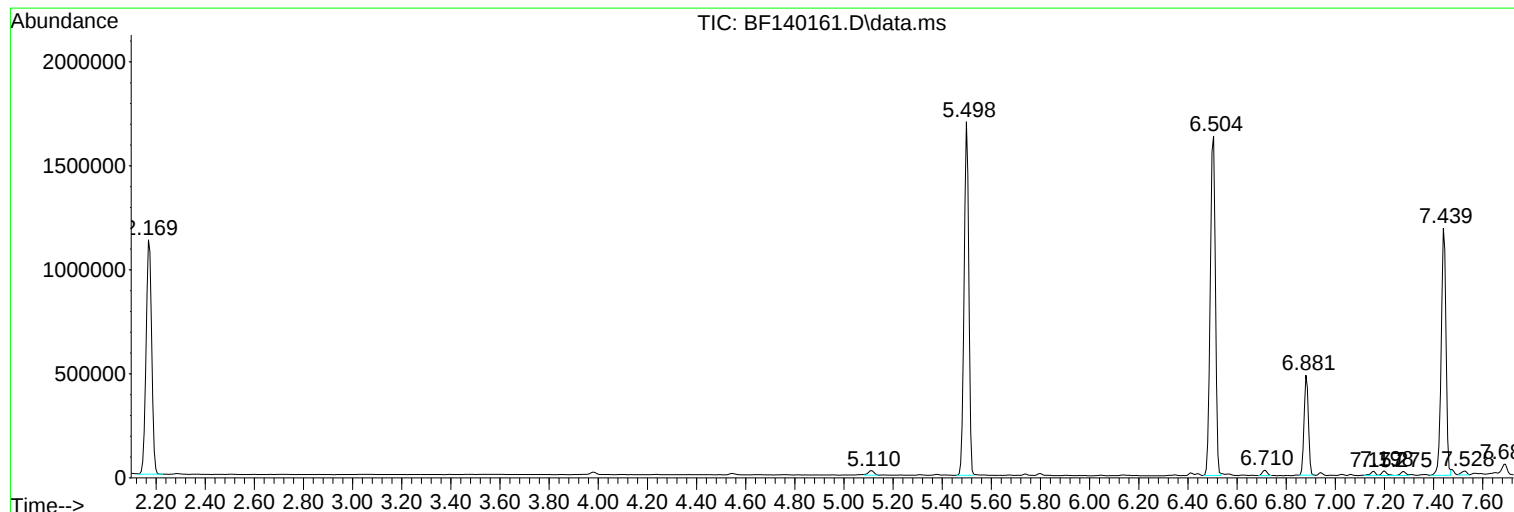
Sum of corrected areas: 43920291

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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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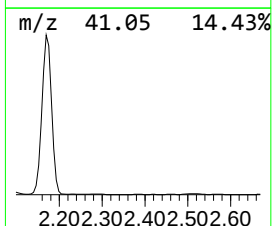
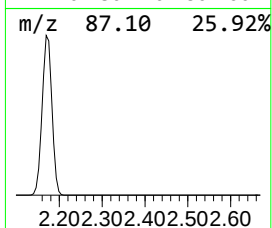
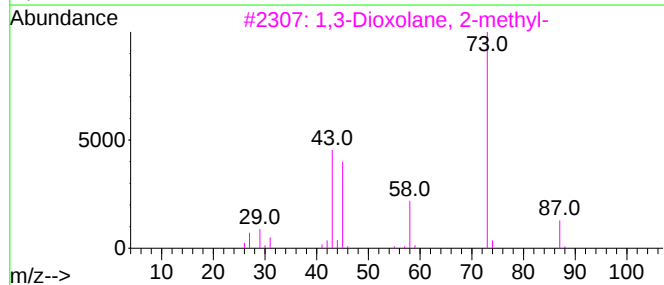
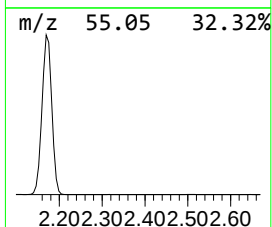
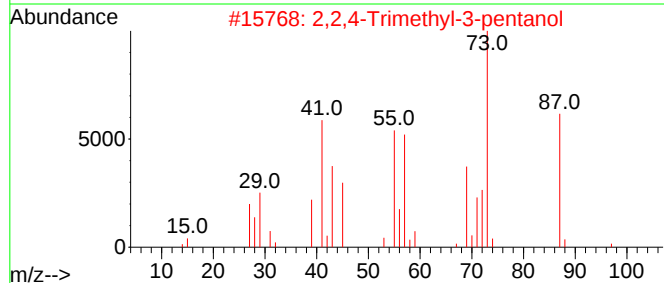
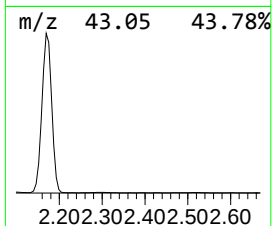
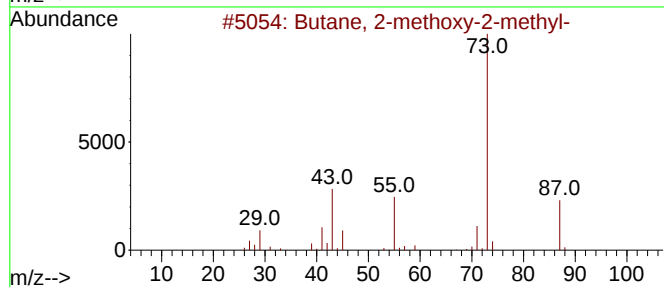
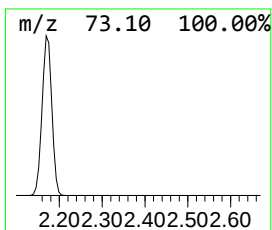
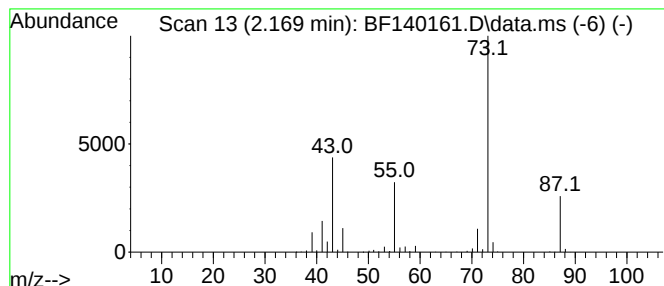
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.169	60.77 ng	1783440	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12



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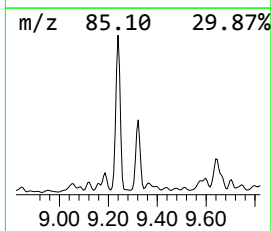
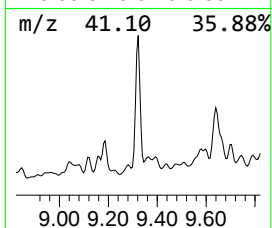
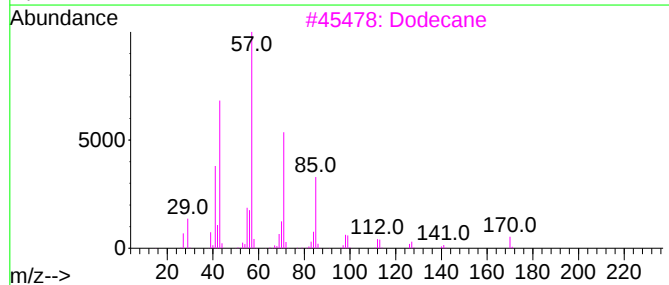
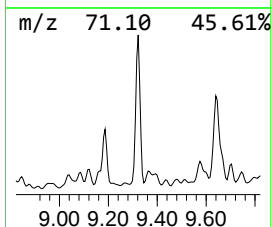
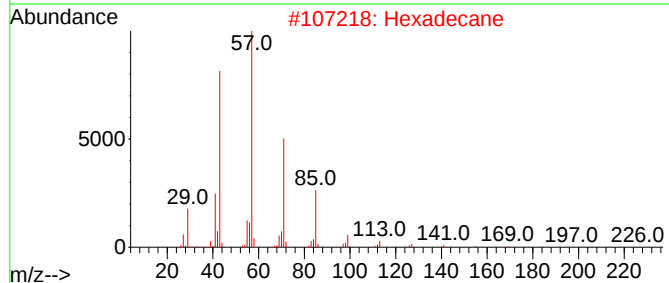
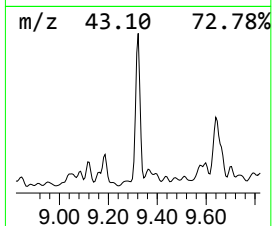
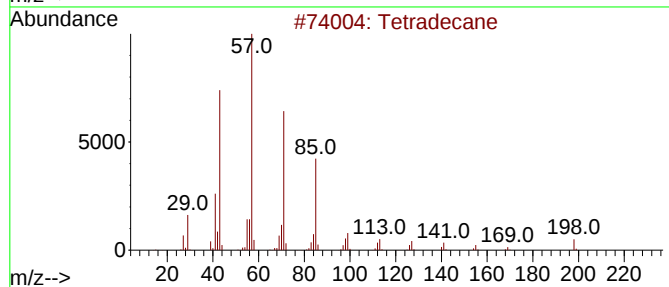
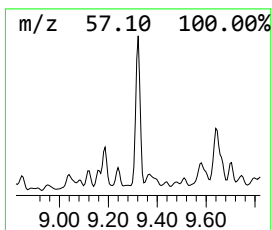
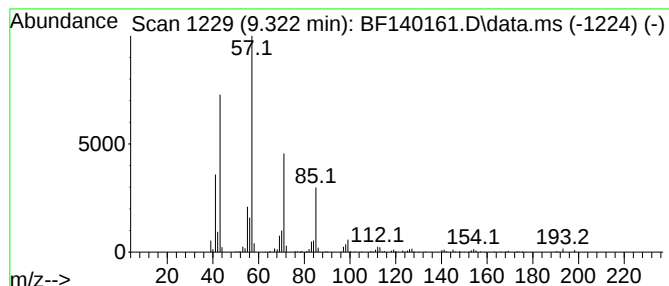
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.322	9.45 ng	395170	Acenaphthene-d10	9.922

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	91
2		Hexadecane	226	C16H34	000544-76-3	91
3		Dodecane	170	C12H26	000112-40-3	90
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	87
5		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	86



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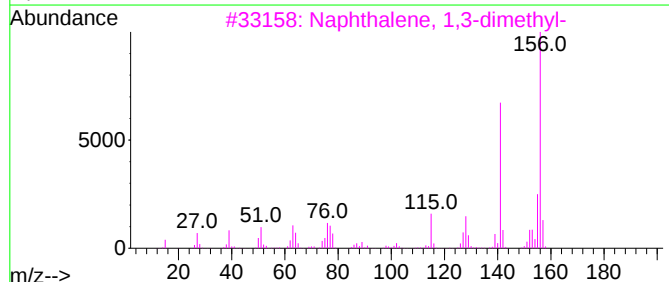
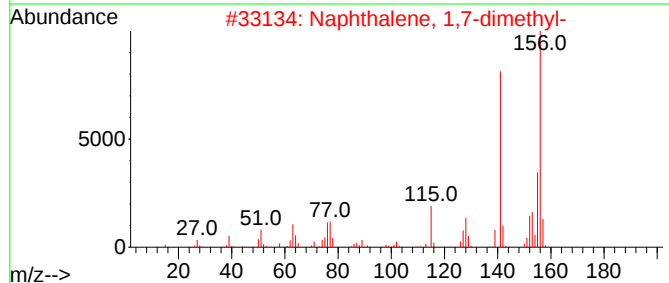
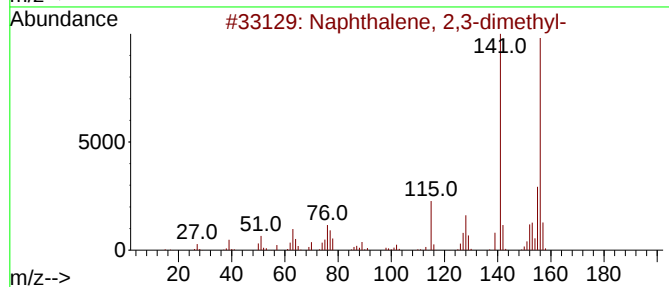
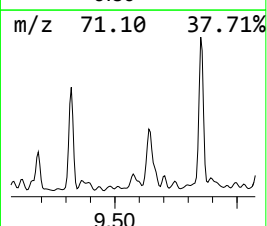
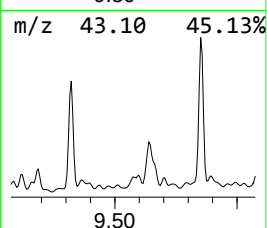
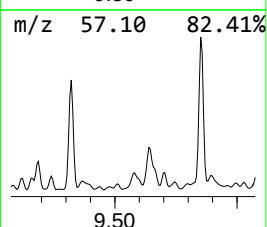
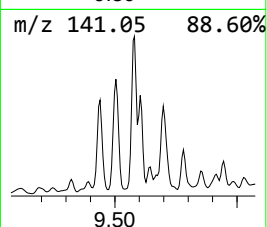
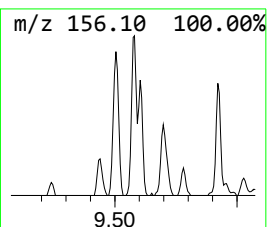
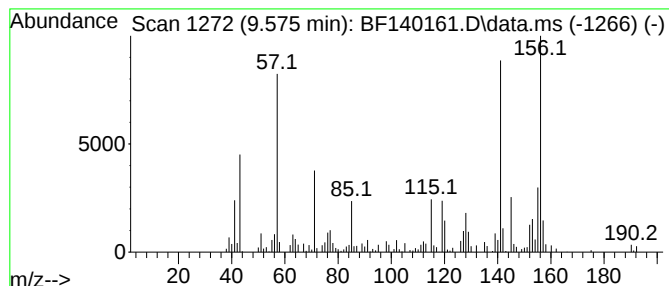
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.575	4.66 ng	194969	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-04-102924

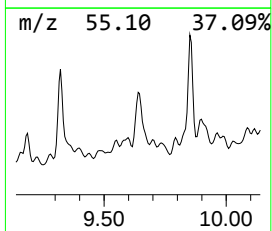
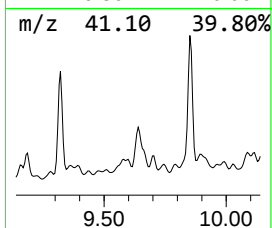
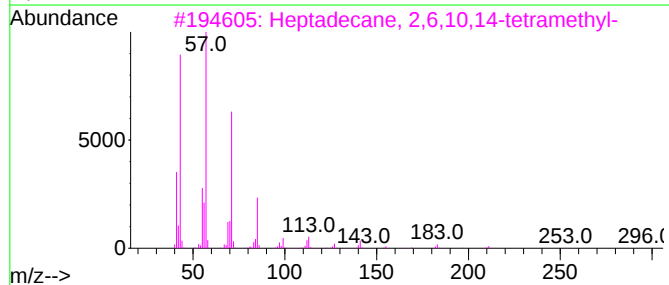
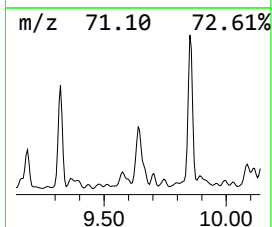
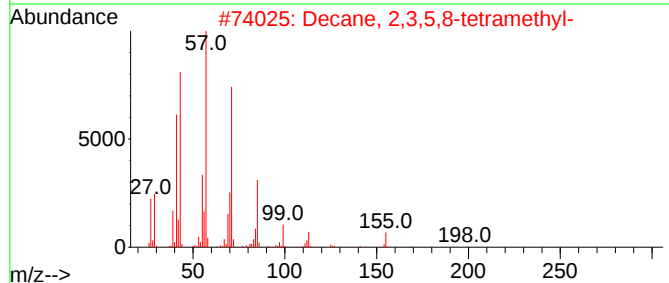
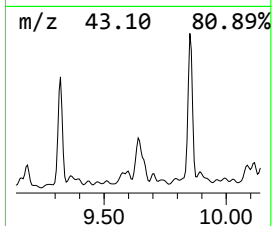
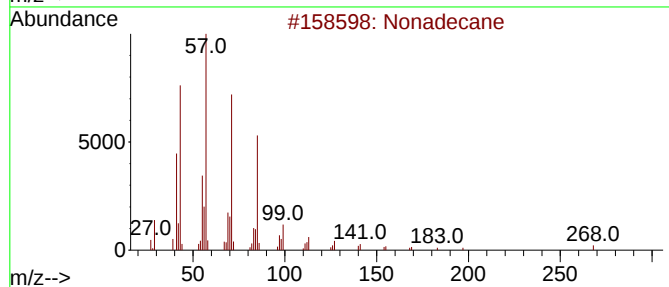
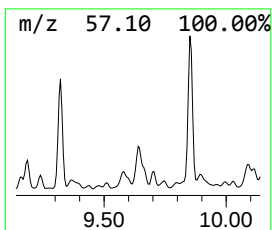
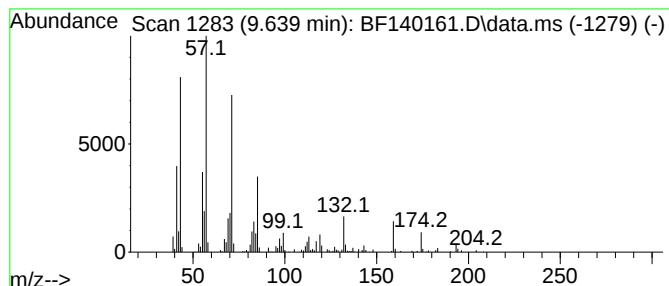
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown9.639 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.639	6.16 ng	257717	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	49
2			Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	49
3			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	49
4			3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	49
5			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
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Sample : P4618-03
Misc :
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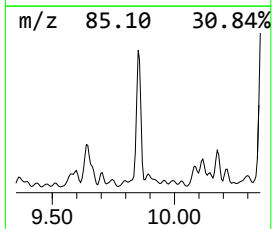
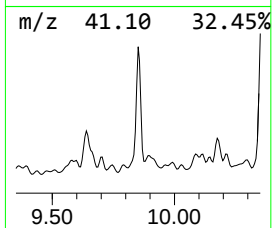
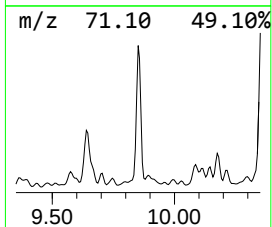
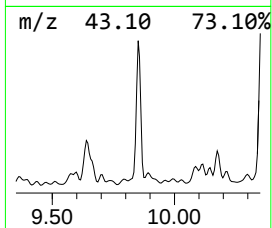
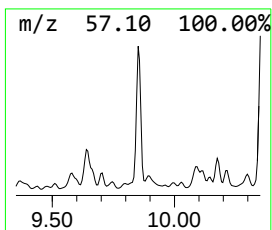
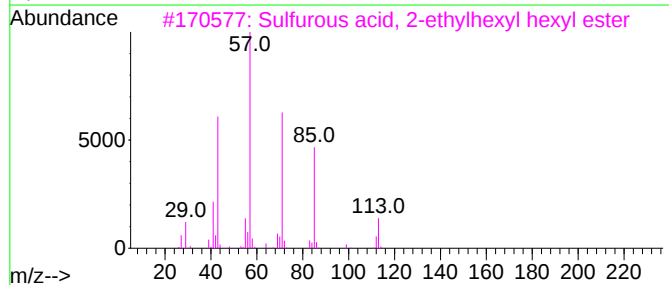
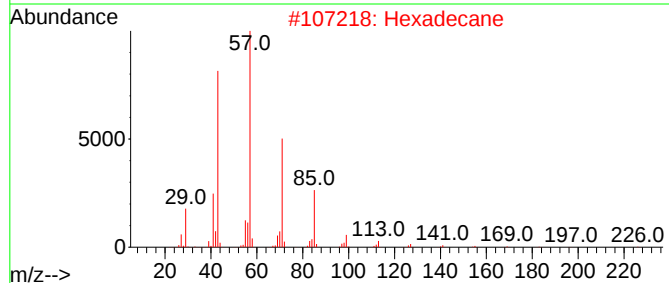
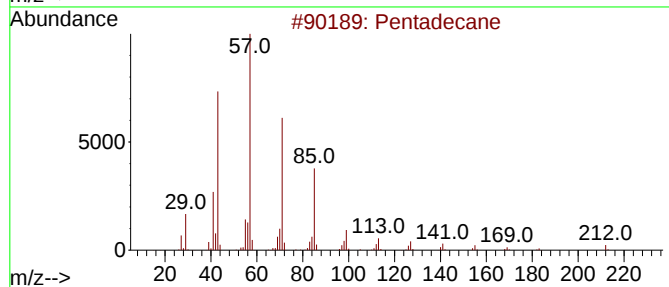
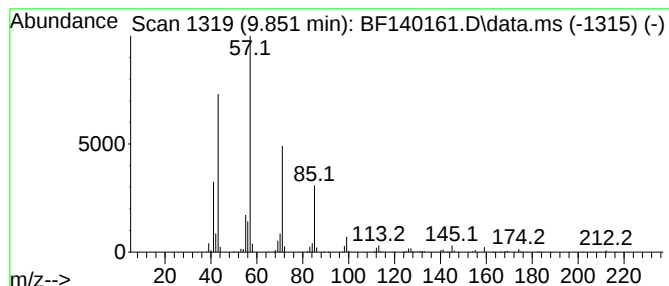
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.851	10.74 ng	448850	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	87
2			Hexadecane	226	C16H34	000544-76-3	87
3			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
4			Tetradecane	198	C14H30	000629-59-4	78
5			Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
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Misc :
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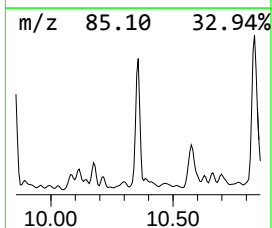
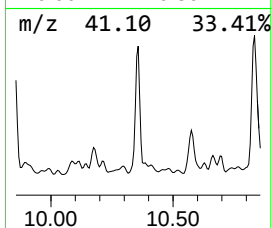
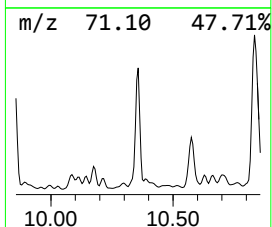
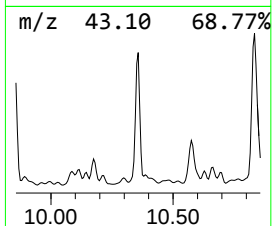
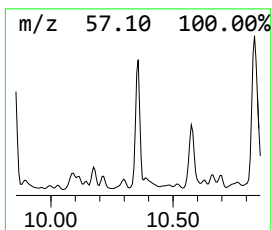
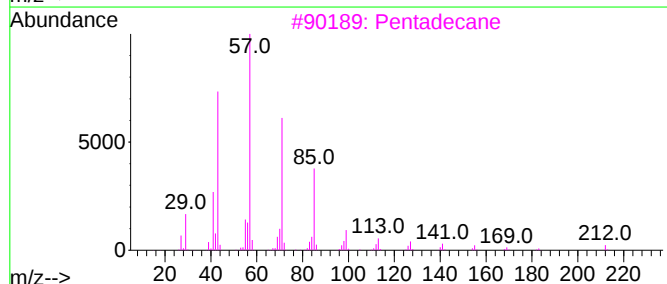
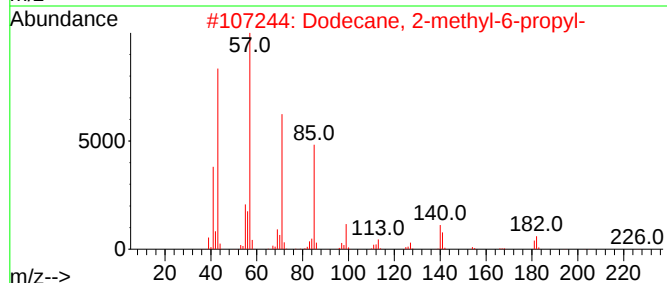
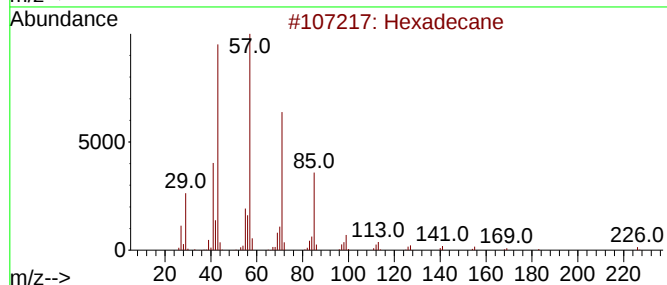
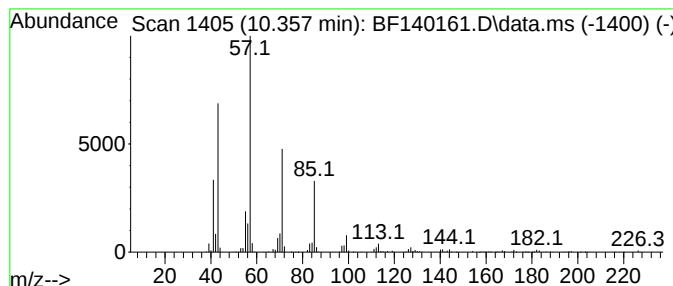
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.357	12.73 ng	532150	Acenaphthene-d10	9.922	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Tridecane	184	C13H28	000629-50-5	86
5	Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
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Acq On : 30 Oct 2024 16:53
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Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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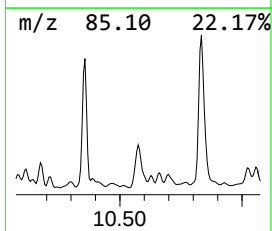
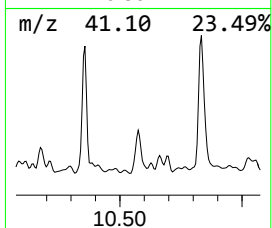
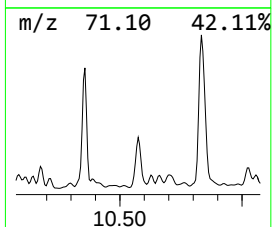
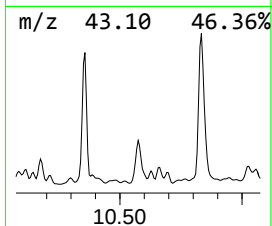
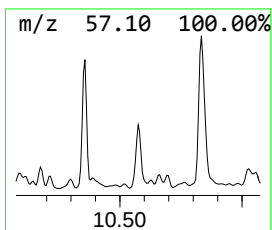
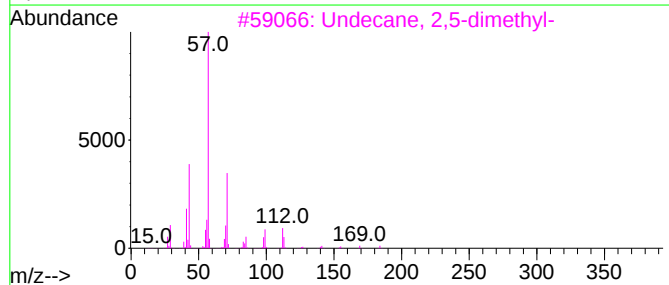
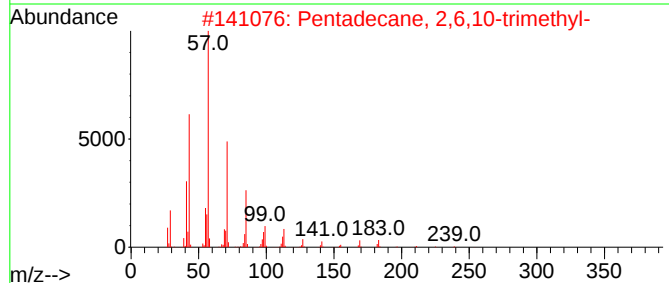
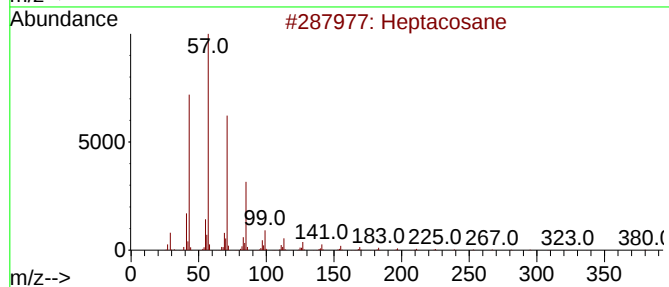
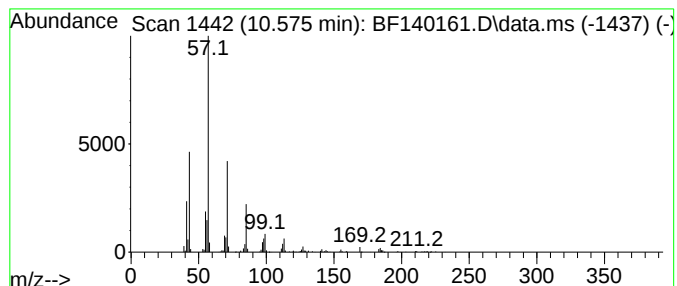
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.575	6.60 ng	276025	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	86
2			Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
3			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
4			Tridecane	184	C13H28	000629-50-5	76
5			Nonadecane	268	C19H40	000629-92-5	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
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ALS Vial : 11 Sample Multiplier: 1

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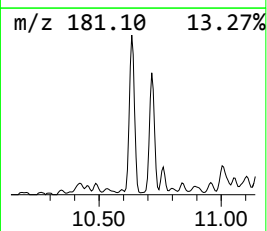
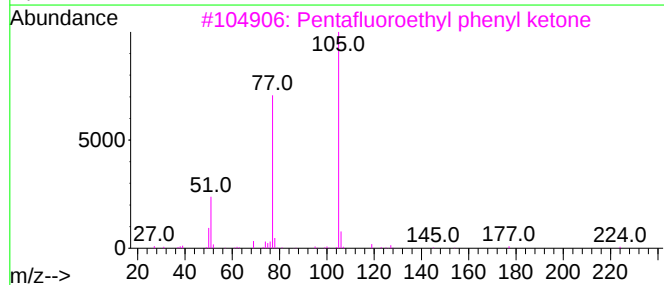
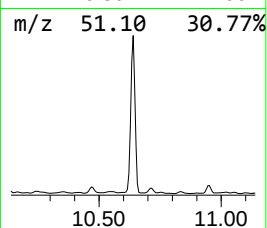
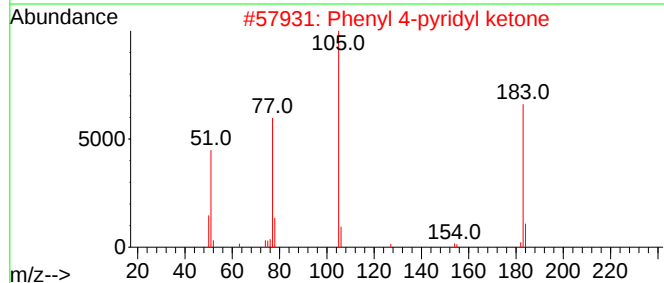
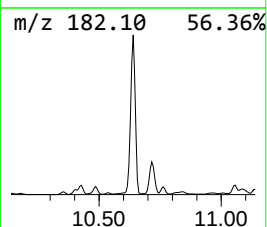
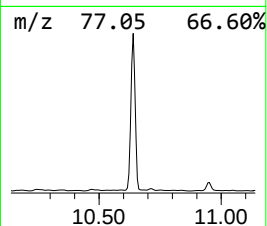
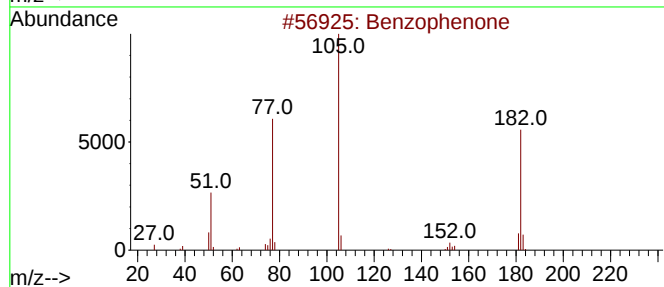
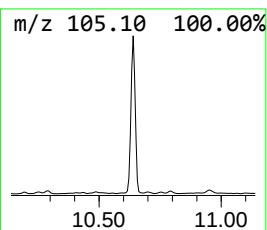
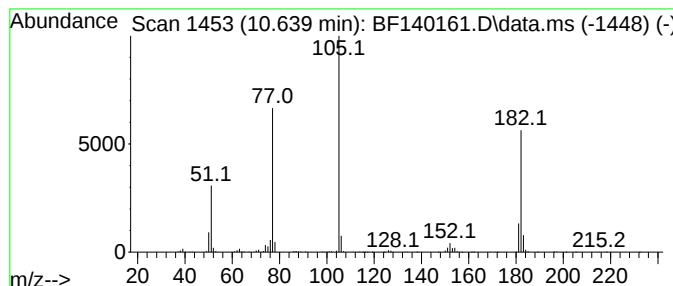
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.639	13.48 ng	563455	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	49
3			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4			1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	47
5			2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
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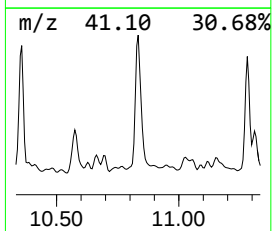
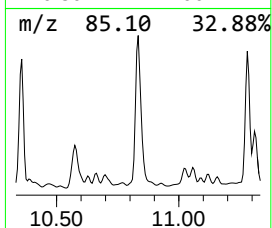
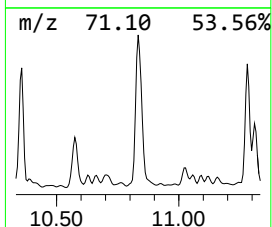
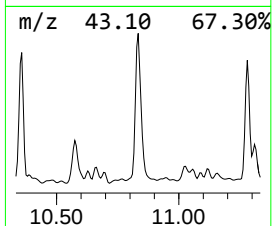
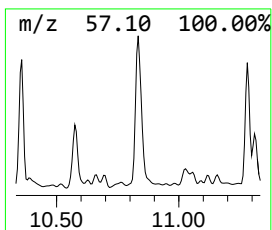
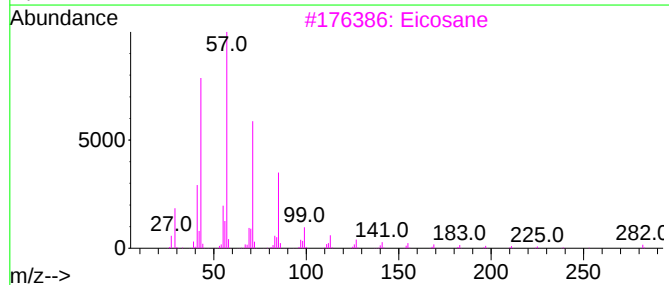
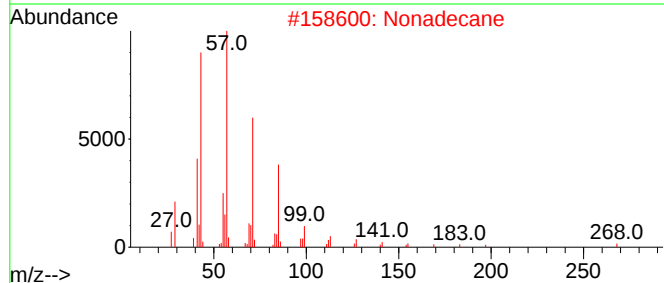
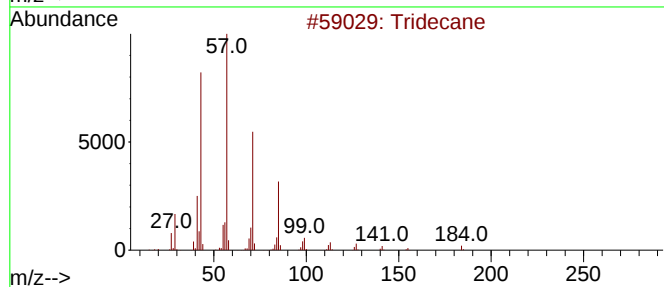
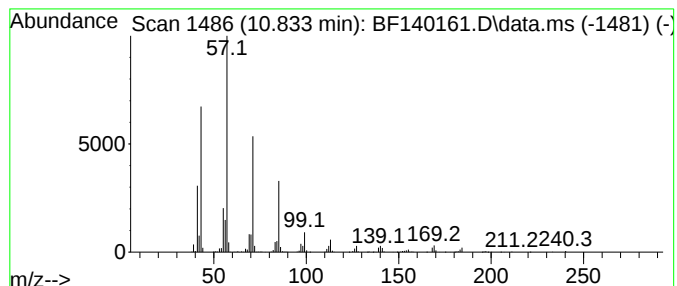
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.833	32.26 ng	861636	Phenanthrene-d10		11.416	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	93
2	Nonadecane		268	C19H40	000629-92-5	91
3	Eicosane		282	C20H42	000112-95-8	91
4	Tetracosane		338	C24H50	000646-31-1	90
5	Hexadecane		226	C16H34	000544-76-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-04-102924

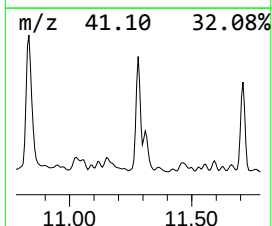
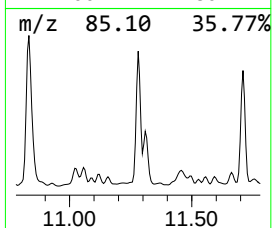
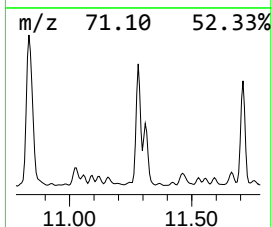
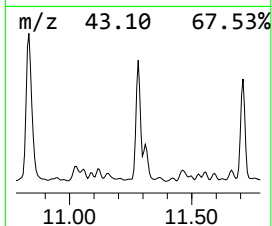
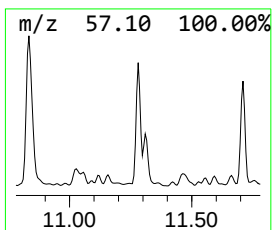
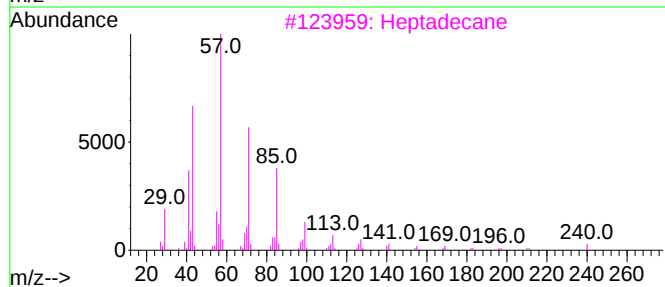
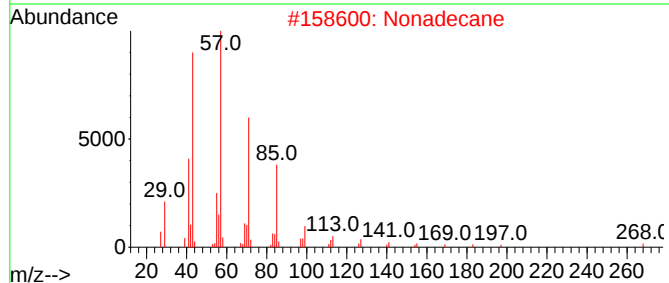
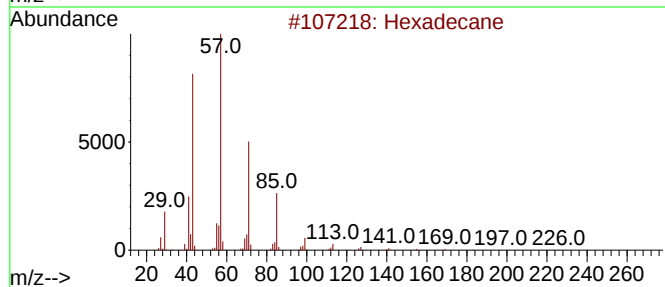
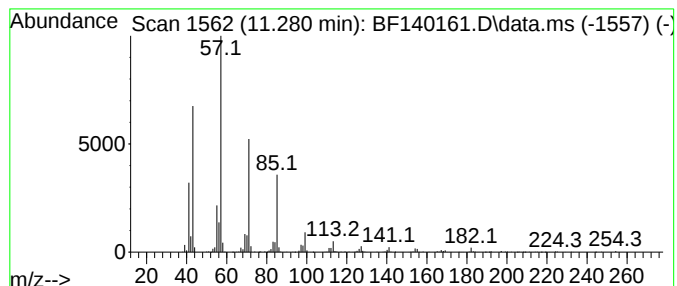
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.280	22.82 ng	609568	Phenanthrene-d10	11.416

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane	226	C16H34	000544-76-3	87
2		Nonadecane	268	C19H40	000629-92-5	87
3		Heptadecane	240	C17H36	000629-78-7	86
4		Eicosane	282	C20H42	000112-95-8	86
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

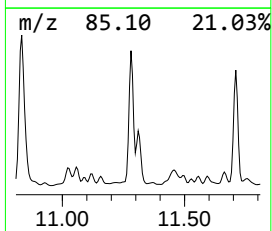
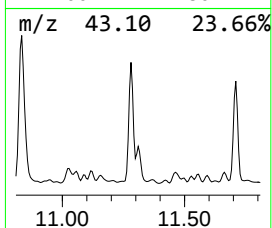
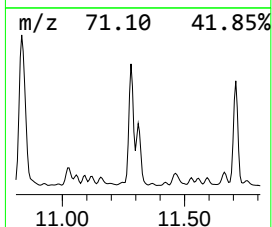
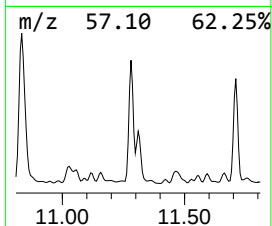
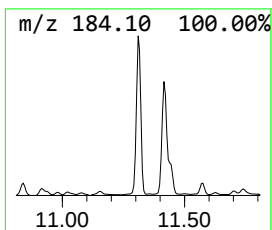
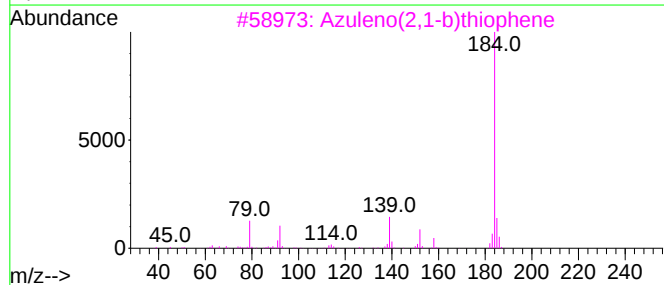
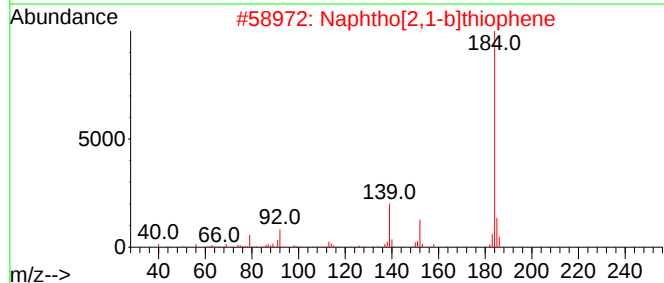
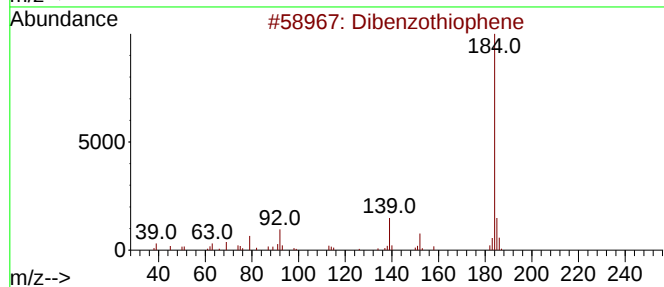
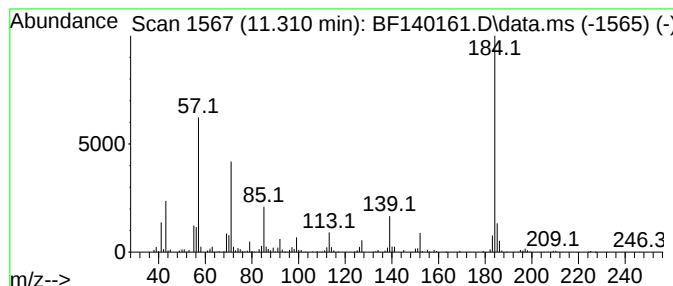
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ClientSampleId :
HR-04-102924

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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 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.310	12.73 ng	339856	Phenanthrene-d10			11.416
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dibenzothiophene		184	C12H8S	000132-65-0	78
2	Naphtho[2,1-b]thiophene		184	C12H8S	000233-02-3	60
3	Azuleno(2,1-b)thiophene		184	C12H8S	000248-13-5	53
4	Naphtho[2,3-b]thiophene		184	C12H8S	000268-77-9	49
5	Naphthalene, 2-ethenyl-6-methoxy-		184	C13H12O	063444-51-9	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-04-102924

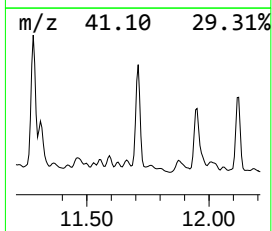
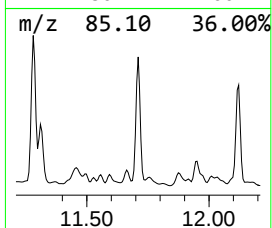
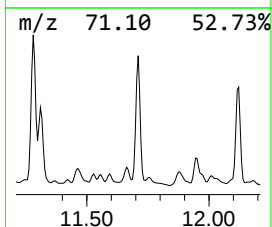
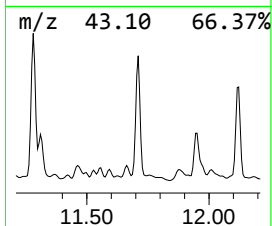
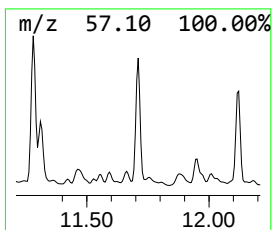
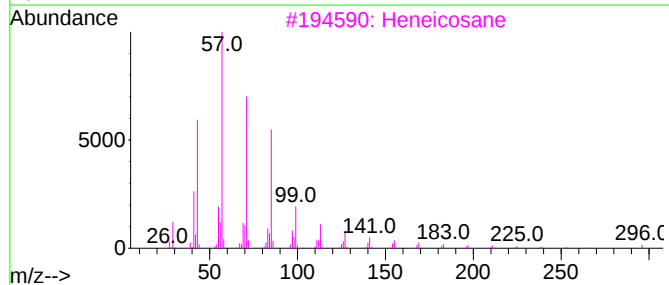
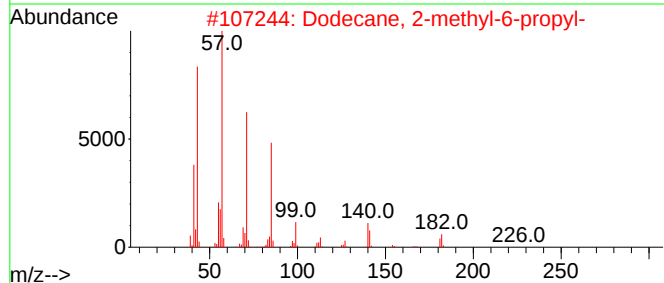
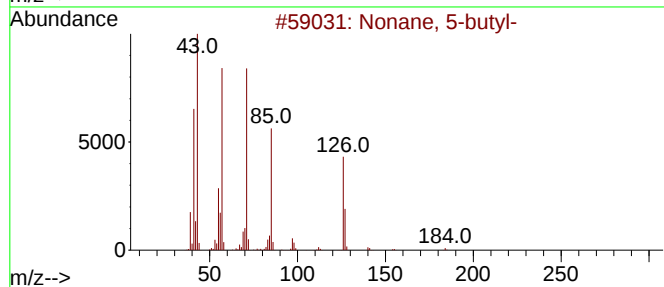
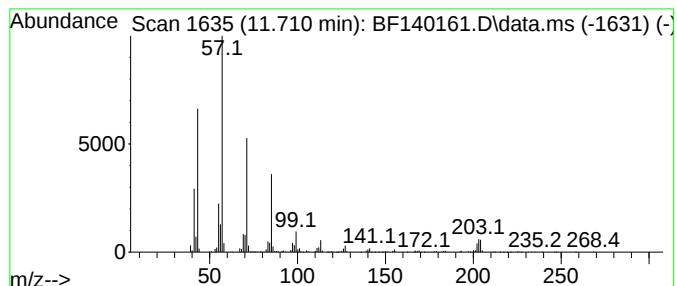
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Nonane, 5-butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.710	16.99 ng	453814	Phenanthrene-d10	11.416

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 5-butyl-	184	C13H28	017312-63-9	92
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
3		Heneicosane	296	C21H44	000629-94-7	80
4		Heptadecane	240	C17H36	000629-78-7	80
5		Hexadecane	226	C16H34	000544-76-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

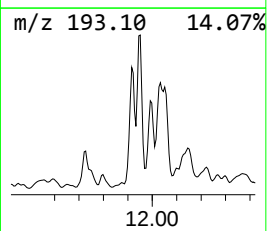
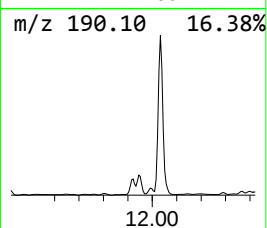
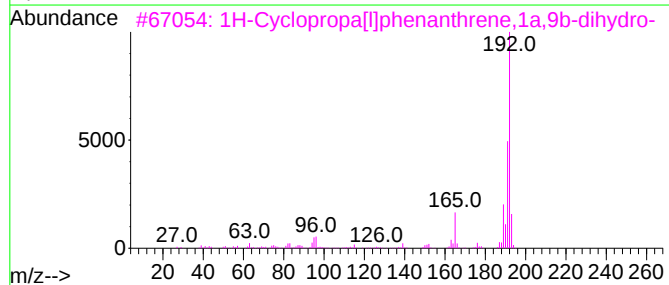
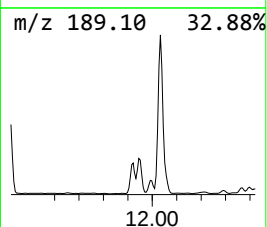
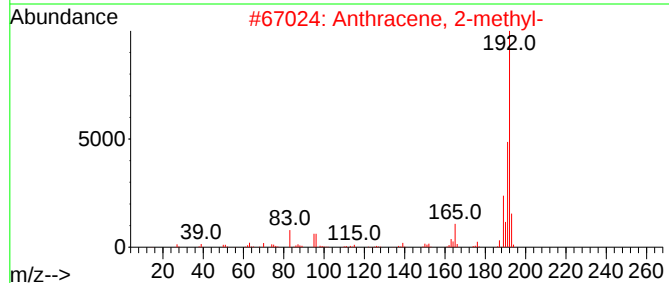
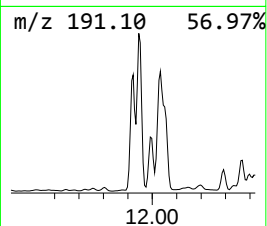
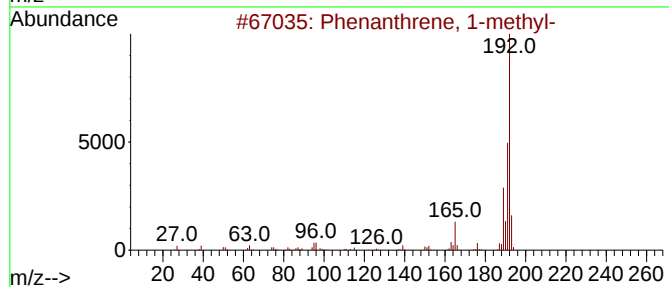
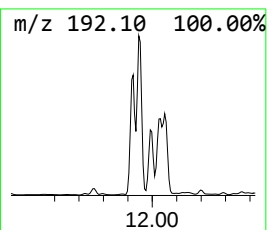
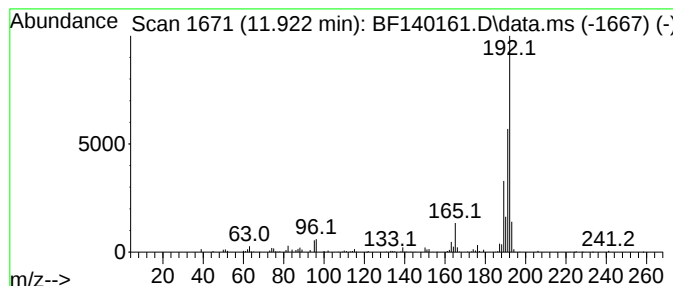
Instrument :
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ClientSampleId :
HR-04-102924

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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 13 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.922	4.34 ng	115918	Phenanthrene-d10		11.416	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-		192	C15H12	000613-12-7	96
3	1H-Cyclopropa[1]phenanthrene,1a,...		192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-		192	C15H12	000610-48-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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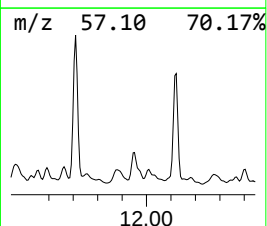
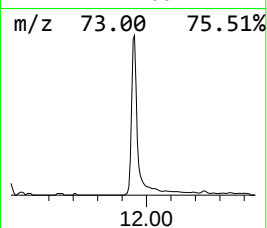
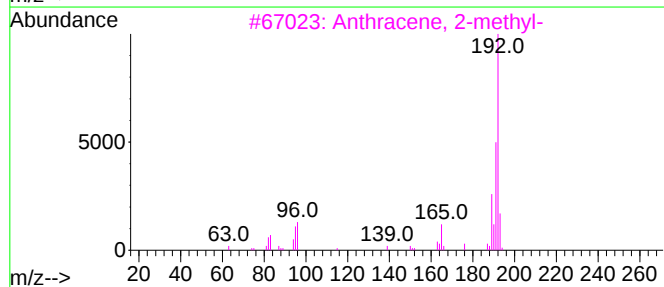
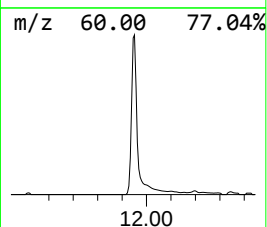
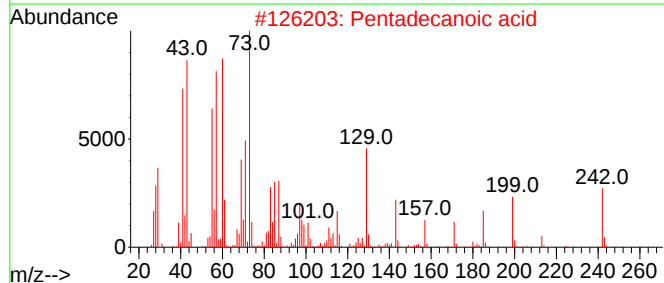
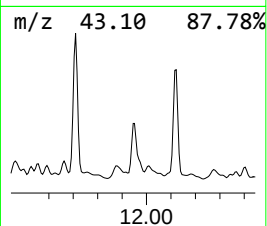
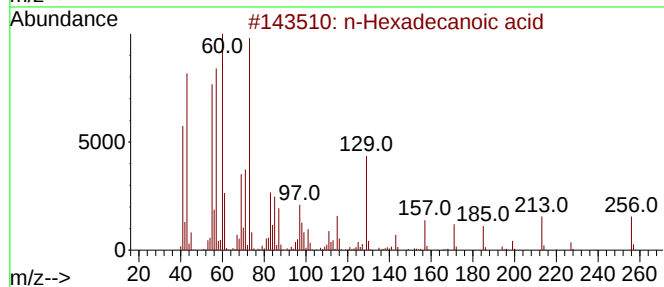
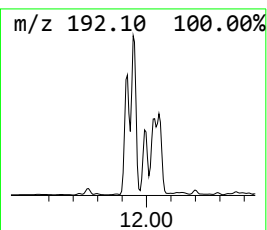
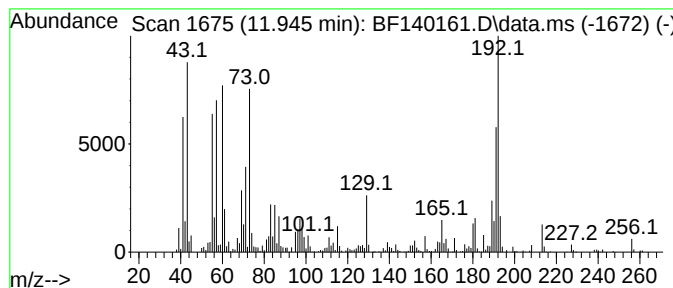
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	16.97 ng	453245	Phenanthrene-d10	11.416

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

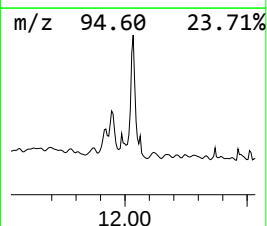
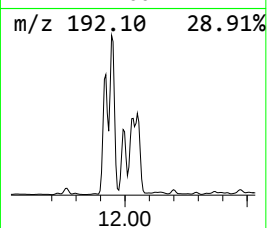
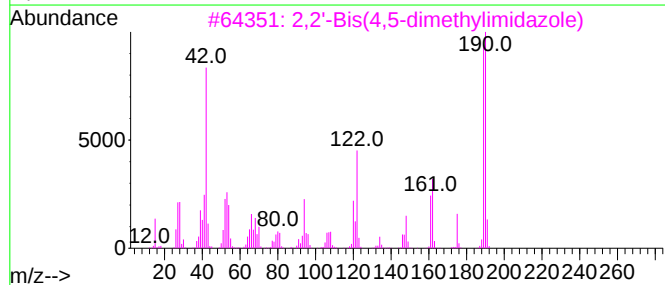
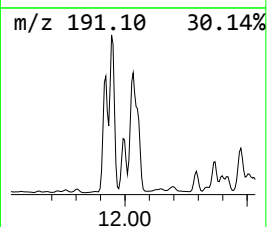
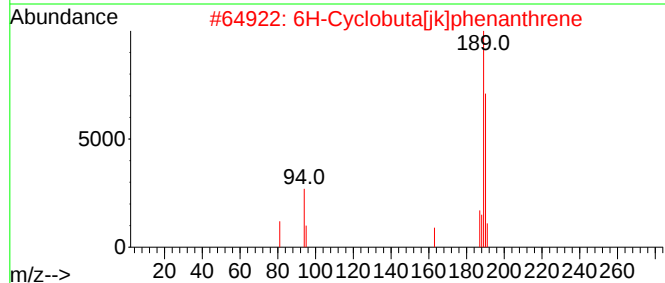
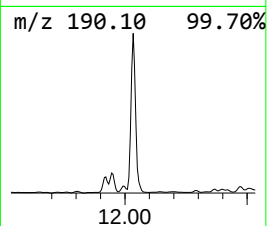
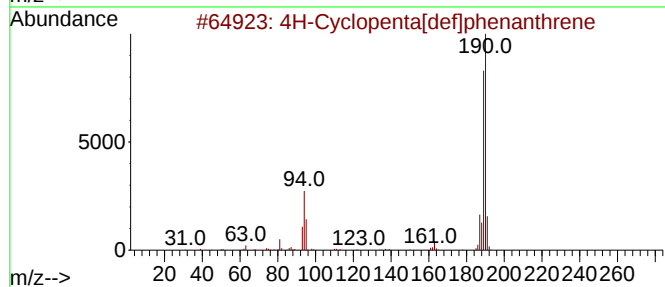
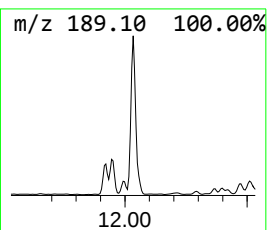
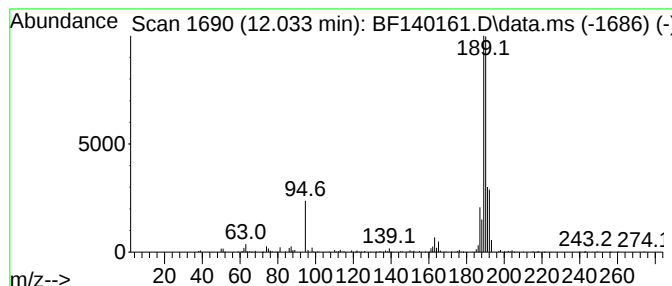
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.033	17.60 ng	470181	Phenanthrene-d10	11.416	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-04-102924

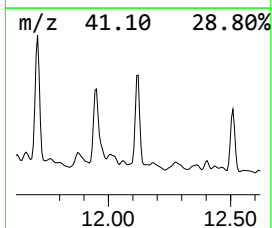
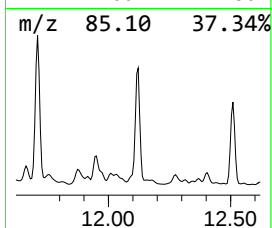
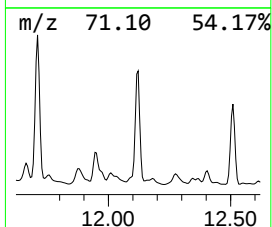
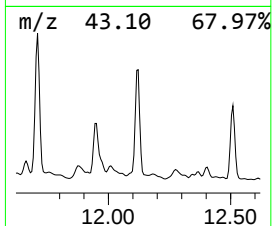
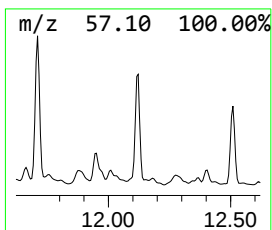
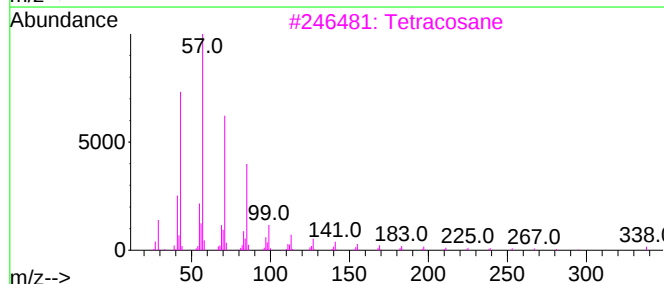
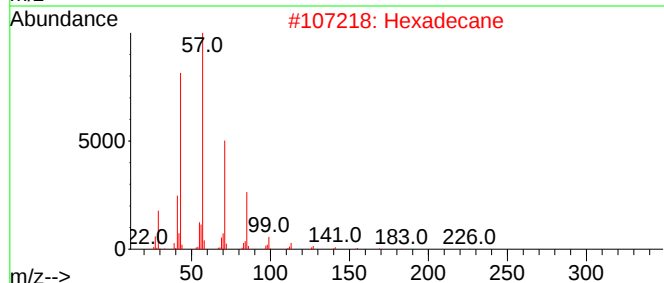
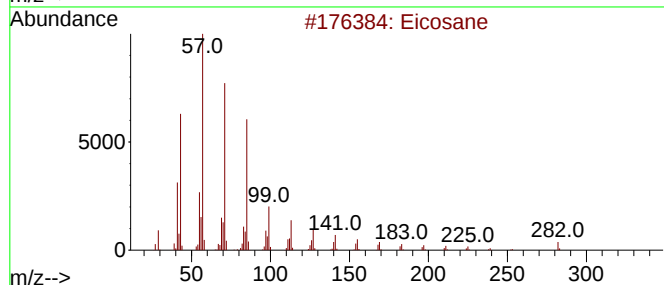
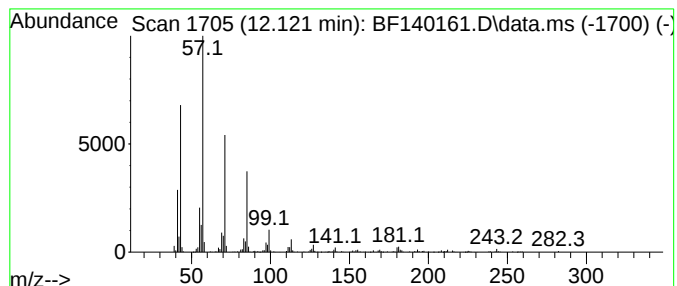
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	13.50 ng	360667	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	95
2			Hexadecane	226	C16H34	000544-76-3	94
3			Tetracosane	338	C24H50	000646-31-1	91
4			Heptacosane	380	C27H56	000593-49-7	91
5			Tridecane, 6-propyl-	226	C16H34	055045-10-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-04-102924

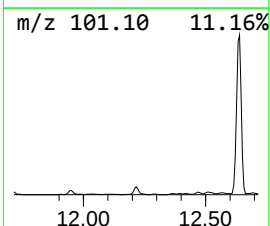
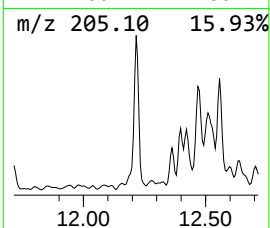
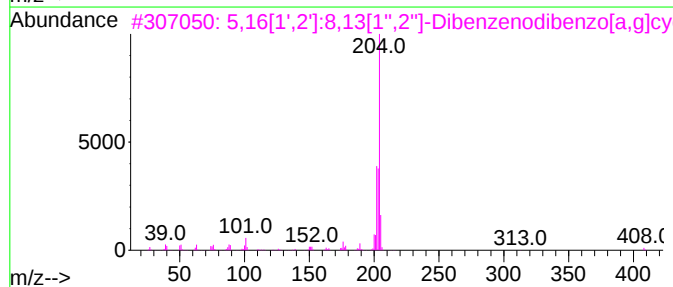
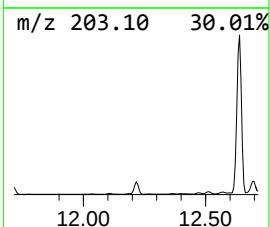
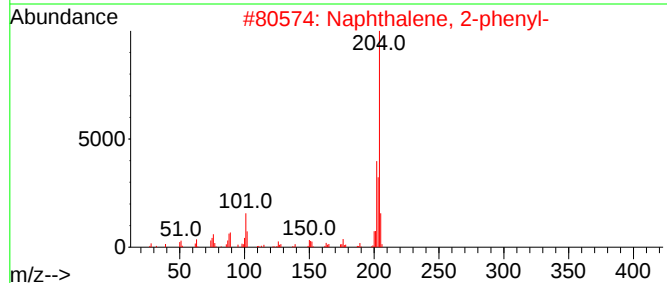
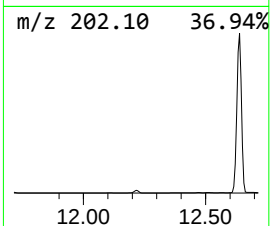
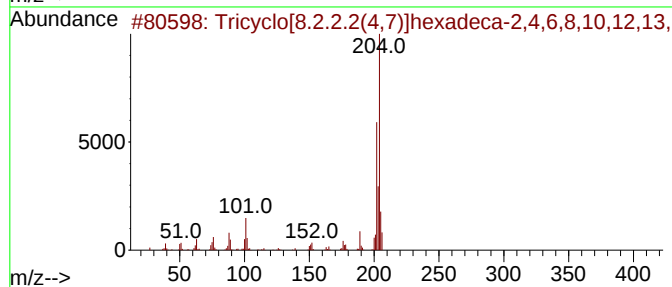
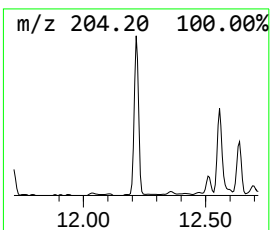
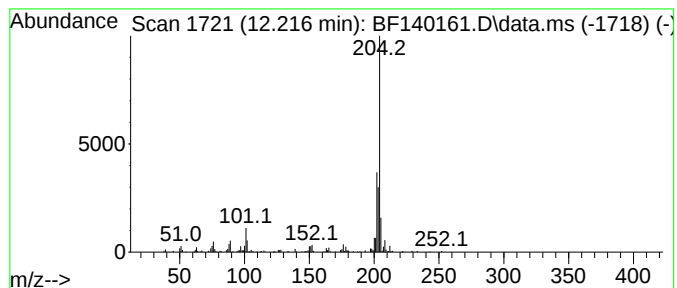
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	4.03 ng	107641	Phenanthrene-d10	11.416

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-04-102924

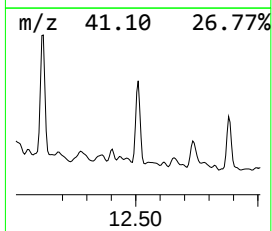
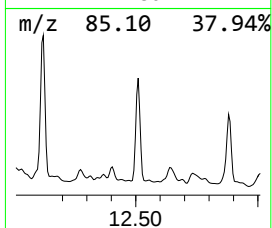
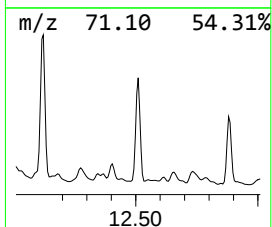
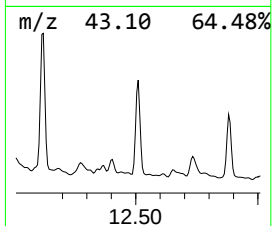
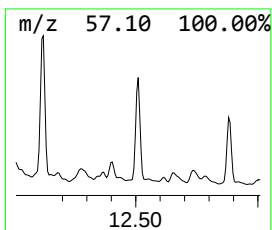
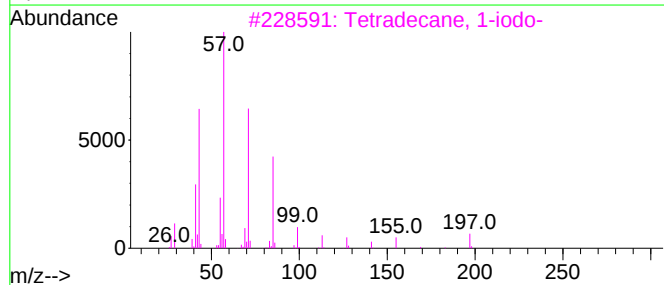
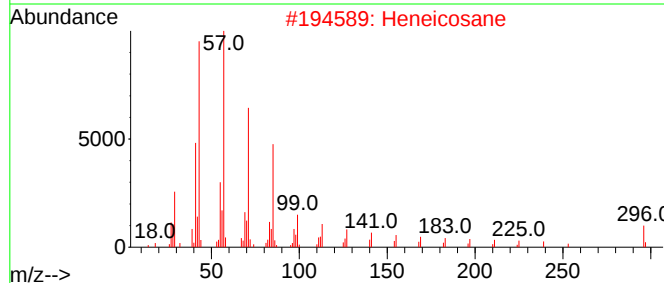
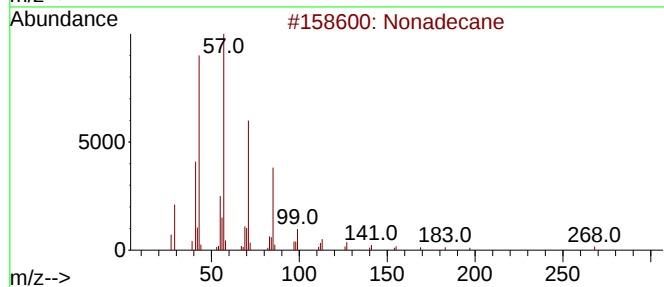
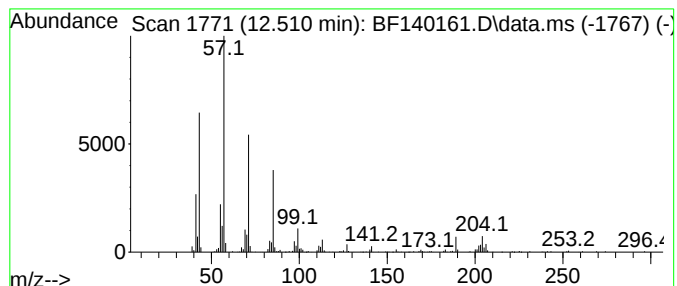
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heneicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	10.41 ng	278122	Phenanthrene-d10	11.416

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonadecane	268	C19H40	000629-92-5	87
2		Heneicosane	296	C21H44	000629-94-7	81
3		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
4		Eicosane	282	C20H42	000112-95-8	80
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-04-102924

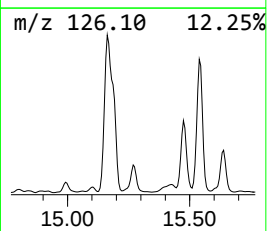
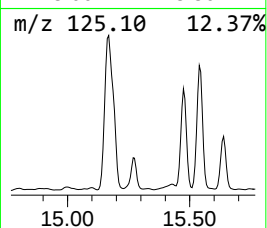
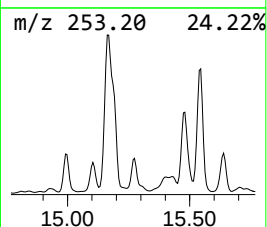
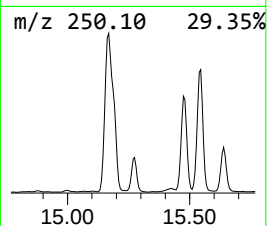
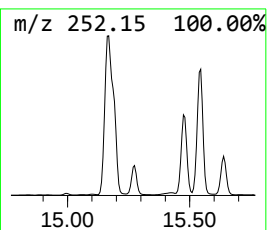
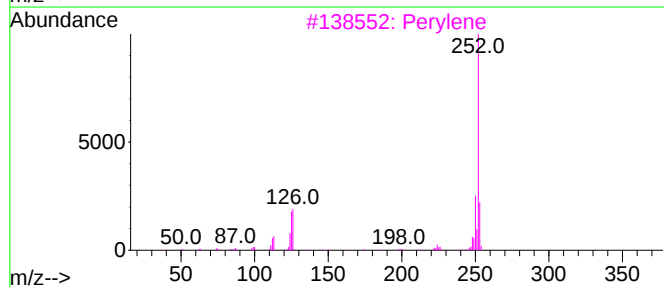
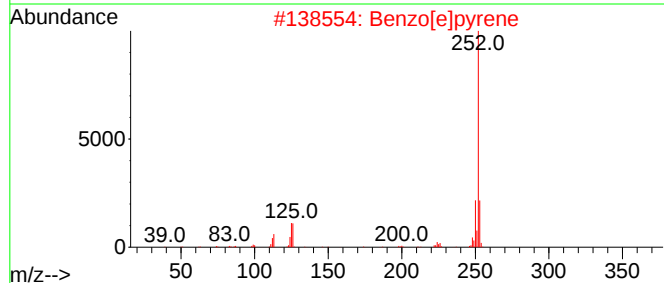
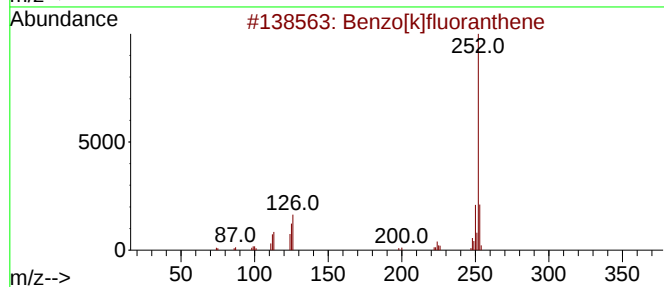
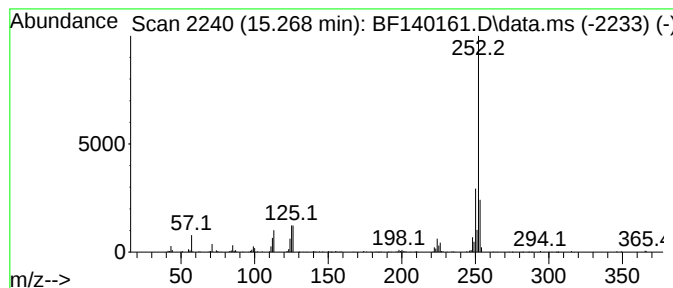
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.268	13.38 ng	342207	Perylene-d12	15.610

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2			Benzo[e]pyrene	252	C20H12	000192-97-2	96
3			Perylene	252	C20H12	000198-55-0	95
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-04-102924

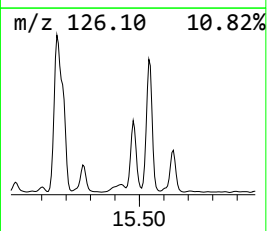
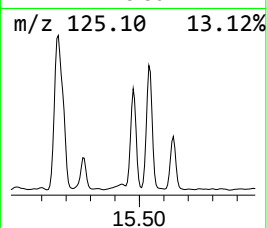
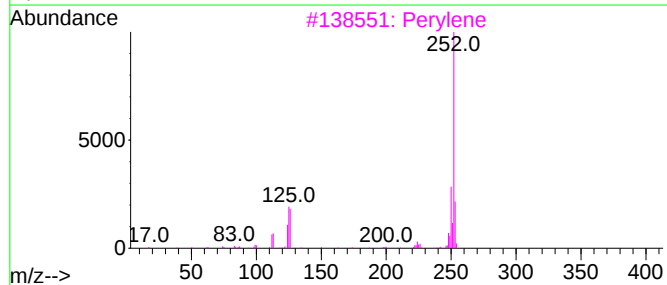
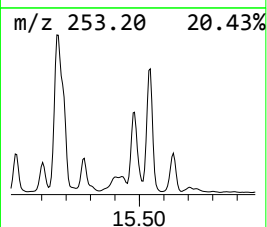
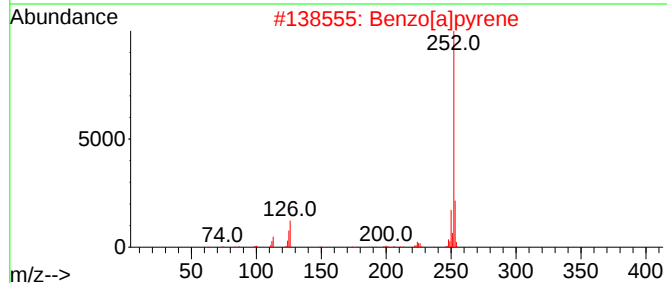
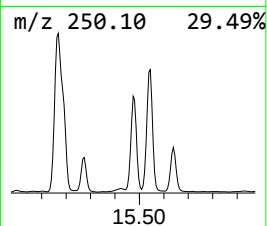
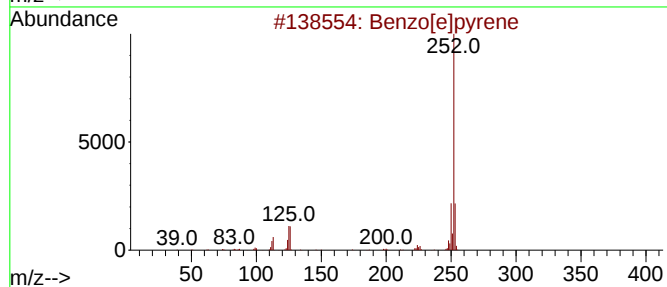
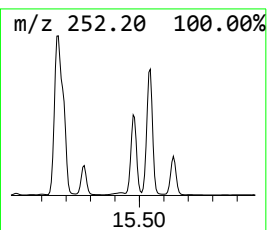
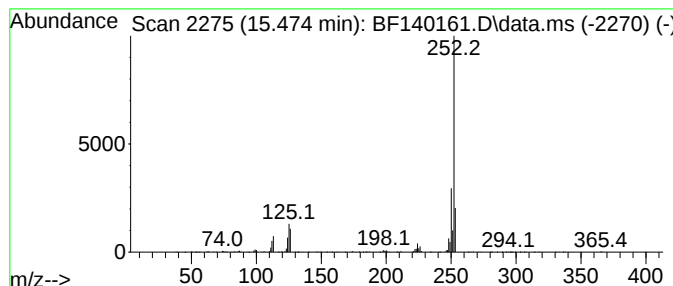
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.474	22.60 ng	578050	Perylene-d12	15.610

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[a]pyrene	252	C20H12	000050-32-8	96
3			Perylene	252	C20H12	000198-55-0	95
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140161.D
Acq On : 30 Oct 2024 16:53
Operator : RC/JU
Sample : P4618-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-04-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.169	60.8	ng	1783440	1	6.881	586950	20.0
Tetradecane	9.322	9.4	ng	395170	3	9.922	836147	20.0
Naphthalene, 2,...	9.575	4.7	ng	194969	3	9.922	836147	20.0
unknown9.639	9.639	6.2	ng	257717	3	9.922	836147	20.0
Pentadecane	9.851	10.7	ng	448850	3	9.922	836147	20.0
Hexadecane	10.357	12.7	ng	532150	3	9.922	836147	20.0
Heptacosane	10.575	6.6	ng	276025	3	9.922	836147	20.0
Benzophenone	10.639	13.5	ng	563455	3	9.922	836147	20.0
Tridecane	10.833	32.3	ng	861636	4	11.416	534147	20.0
Nonadecane	11.280	22.8	ng	609568	4	11.416	534147	20.0
Dibenzothiophene	11.310	12.7	ng	339856	4	11.416	534147	20.0
Nonane, 5-butyl-	11.710	17.0	ng	453814	4	11.416	534147	20.0
Phenanthrene, 1...	11.922	4.3	ng	115918	4	11.416	534147	20.0
n-Hexadecanoic ...	11.945	17.0	ng	453245	4	11.416	534147	20.0
4H-Cyclopenta[d...]	12.033	17.6	ng	470181	4	11.416	534147	20.0
Eicosane	12.121	13.5	ng	360667	4	11.416	534147	20.0
Tricyclo[8.2.2....]	12.216	4.0	ng	107641	4	11.416	534147	20.0
Heneicosane	12.510	10.4	ng	278122	4	11.416	534147	20.0
Benzo[e]pyrene	15.268	13.4	ng	342207	6	15.610	511467	20.0
Perylene	15.474	22.6	ng	578050	6	15.610	511467	20.0