

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135964.D
 Acq On : 26 Oct 2023 15:33
 Operator : CG\JU
 Sample : 05039-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-1

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-BF102523.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135964.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.046	499	503	510	rVB	152250	156667	5.42%	0.342%
2	5.446	562	571	574	rBV	2722452	2498442	86.47%	5.449%
3	6.451	733	742	745	rBV	2476106	2570439	88.96%	5.606%
4	6.651	773	776	782	rBV3	83559	128837	4.46%	0.281%
5	6.822	802	805	812	rVB	1211308	951599	32.93%	2.075%
6	7.381	896	900	903	rVB	1932929	1579355	54.66%	3.445%
7	8.104	1018	1023	1025	rBV	1508899	1422739	49.24%	3.103%
8	8.122	1025	1026	1029	rVV	407062	245320	8.49%	0.535%
9	8.610	1105	1109	1112	rBV2	83385	85937	2.97%	0.187%
10	8.698	1121	1124	1127	rBV	240951	199083	6.89%	0.434%
11	8.816	1142	1144	1147	rVB	253635	185777	6.43%	0.405%
12	8.916	1156	1161	1165	rBV2	222743	256870	8.89%	0.560%
13	9.181	1202	1206	1209	rBV	3740503	2889406	100.00%	6.302%
14	9.269	1216	1221	1225	rBV2	330299	340685	11.79%	0.743%
15	9.375	1237	1239	1245	rVB2	57905	83695	2.90%	0.183%
16	9.445	1245	1251	1255	rBV2	156845	237510	8.22%	0.518%
17	9.516	1258	1263	1266	rBV	269254	285597	9.88%	0.623%
18	9.545	1266	1268	1270	rVB	167193	123608	4.28%	0.270%
19	9.586	1270	1275	1277	rBV3	158372	186627	6.46%	0.407%
20	9.634	1281	1283	1285	rBV	139712	120601	4.17%	0.263%
21	9.716	1294	1297	1303	rVB	372816	324028	11.21%	0.707%
22	9.798	1309	1311	1315	rVV	399169	295831	10.24%	0.645%
23	9.857	1315	1321	1324	rVV	1525879	1407871	48.73%	3.071%
24	9.892	1324	1327	1330	rVV2	116315	142559	4.93%	0.311%
25	9.969	1337	1340	1343	rVB2	121386	126283	4.37%	0.275%
26	10.039	1348	1352	1353	rVV3	69732	94141	3.26%	0.205%
27	10.063	1353	1356	1359	rVB	196303	181402	6.28%	0.396%
28	10.104	1359	1363	1364	rBV2	115926	105715	3.66%	0.231%
29	10.122	1364	1366	1371	rVB4	81253	93663	3.24%	0.204%
30	10.181	1371	1376	1378	rBV3	118129	156664	5.42%	0.342%
31	10.304	1394	1397	1401	rVB2	355228	319543	11.06%	0.697%
32	10.404	1411	1414	1416	rBV2	166418	153395	5.31%	0.335%
33	10.522	1431	1434	1437	rVV2	182363	197629	6.84%	0.431%
34	10.569	1439	1442	1447	rVV4	78412	105425	3.65%	0.230%
35	10.645	1451	1455	1460	rVB	1566872	1359480	47.05%	2.965%
36	10.775	1475	1477	1484	rBV	423670	535325	18.53%	1.168%

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.969	1504	1510	1511	rBV3	78266	136848	4.74%	0.298%
38	10.986	1511	1513	1515	rVV2	110005	97469	3.37%	0.213%
39	11.110	1531	1534	1537	rVB3	75633	86801	3.00%	0.189%
40	11.228	1551	1554	1556	rVV	374800	351278	12.16%	0.766%
41	11.245	1556	1557	1565	rVB2	333607	336469	11.64%	0.734%
42	11.351	1571	1575	1577	rBV	1277619	1105188	38.25%	2.410%
43	11.375	1577	1579	1582	rVV	1610805	1181834	40.90%	2.578%
44	11.422	1582	1587	1590	rVV	355043	321813	11.14%	0.702%
45	11.457	1590	1593	1599	rBV3	60904	98143	3.40%	0.214%
46	11.657	1624	1627	1629	rVV2	327897	281046	9.73%	0.613%
47	11.680	1629	1631	1634	rVB	262301	206801	7.16%	0.451%
48	11.763	1642	1645	1649	rVB2	247178	290001	10.04%	0.632%
49	11.857	1657	1661	1663	rVV2	377445	416649	14.42%	0.909%
50	11.880	1663	1665	1670	rVV	462238	442694	15.32%	0.966%
51	11.928	1670	1673	1676	rVV	174446	169001	5.85%	0.369%
52	11.963	1676	1679	1682	rVV	564556	622304	21.54%	1.357%
53	11.986	1682	1683	1689	rVB	294595	244206	8.45%	0.533%
54	12.069	1694	1697	1699	rBV	195044	144658	5.01%	0.315%
55	12.151	1709	1711	1713	rBV2	196887	170374	5.90%	0.372%
56	12.257	1722	1729	1731	rBV3	56148	115530	4.00%	0.252%
57	12.280	1731	1733	1735	rVV	99775	87308	3.02%	0.190%
58	12.333	1739	1742	1744	rVV2	112880	103520	3.58%	0.226%
59	12.357	1744	1746	1748	rVB2	123801	101693	3.52%	0.222%
60	12.410	1751	1755	1757	rBV	305343	320911	11.11%	0.700%
61	12.451	1757	1762	1763	rVV3	346129	424263	14.68%	0.925%
62	12.492	1767	1769	1774	rVB3	136962	185923	6.43%	0.405%
63	12.569	1778	1782	1786	rBV	1411861	1180210	40.85%	2.574%
64	12.616	1788	1790	1795	rVB4	76130	99368	3.44%	0.217%
65	12.663	1795	1798	1802	rBV	184573	172519	5.97%	0.376%
66	12.722	1805	1808	1815	rVB3	164506	226278	7.83%	0.494%
67	12.798	1815	1821	1824	rBV	1737672	1633185	56.52%	3.562%
68	12.857	1829	1831	1835	rVB	93175	93400	3.23%	0.204%
69	12.951	1843	1847	1850	rBV	2261737	2033340	70.37%	4.435%
70	13.022	1855	1859	1862	rBV3	169904	220031	7.62%	0.480%
71	13.104	1870	1873	1875	rBV3	154151	199191	6.89%	0.434%
72	13.127	1875	1877	1880	rVB	367541	309621	10.72%	0.675%
73	13.198	1886	1889	1892	rVB	270776	242775	8.40%	0.529%
74	13.233	1892	1895	1898	rBV2	317600	304378	10.53%	0.664%
75	13.327	1908	1911	1913	rVV	268759	245623	8.50%	0.536%
76	13.357	1913	1916	1920	rVV	280190	250985	8.69%	0.547%

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77	13.539	1944	1947	1952	rVB3	128448	178914	6.19%	0.390%
78	13.633	1958	1963	1969	rVB2	128682	205015	7.10%	0.447%
79	13.751	1978	1983	1986	rBV2	291278	367486	12.72%	0.801%
80	13.780	1986	1988	1990	rBV	163588	132517	4.59%	0.289%
81	13.998	2021	2025	2028	rBV2	1363389	1935753	66.99%	4.222%
82	14.027	2028	2030	2036	rVB	870619	878447	30.40%	1.916%
83	14.145	2047	2050	2052	rVV	118988	113380	3.92%	0.247%
84	14.192	2056	2058	2061	rVB3	114286	94432	3.27%	0.206%
85	14.263	2068	2070	2073	rVB	114259	91843	3.18%	0.200%
86	14.357	2084	2086	2088	rBV	79577	84377	2.92%	0.184%
87	14.392	2090	2092	2095	rVV	330585	310123	10.73%	0.676%
88	14.427	2095	2098	2101	rVB	194400	175994	6.09%	0.384%
89	14.486	2106	2108	2111	rVV3	216425	240931	8.34%	0.525%
90	14.516	2111	2113	2115	rVV	192393	208072	7.20%	0.454%
91	14.539	2115	2117	2121	rVB2	168847	178040	6.16%	0.388%
92	14.821	2163	2165	2169	rVB2	135876	135571	4.69%	0.296%
93	15.057	2200	2205	2208	rBV	719901	1203500	41.65%	2.625%
94	15.163	2220	2223	2228	rVB2	267410	304377	10.53%	0.664%
95	15.363	2253	2257	2263	rVB	525099	636985	22.05%	1.389%
96	15.427	2263	2268	2273	rBV	772329	941497	32.58%	2.053%
97	15.492	2275	2279	2282	rVV	777163	883802	30.59%	1.928%
98	15.521	2282	2284	2291	rVB2	163545	194072	6.72%	0.423%
99	16.992	2528	2534	2544	rVB2	237148	549353	19.01%	1.198%
100	17.445	2605	2611	2619	rVB	200564	404699	14.01%	0.883%

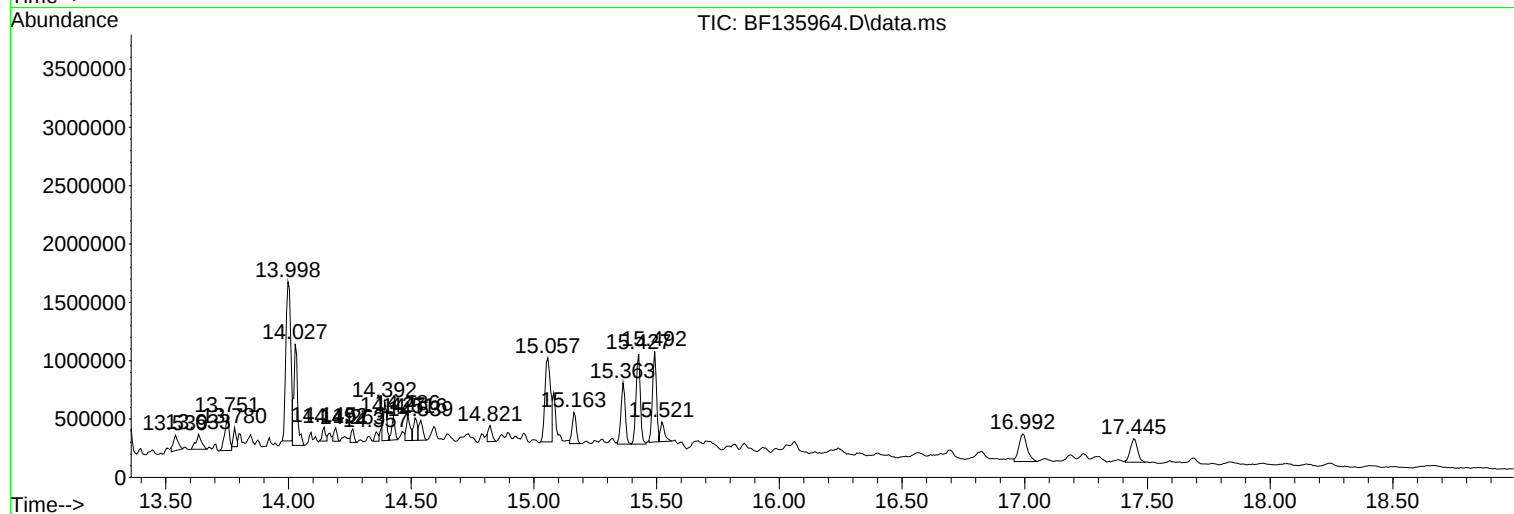
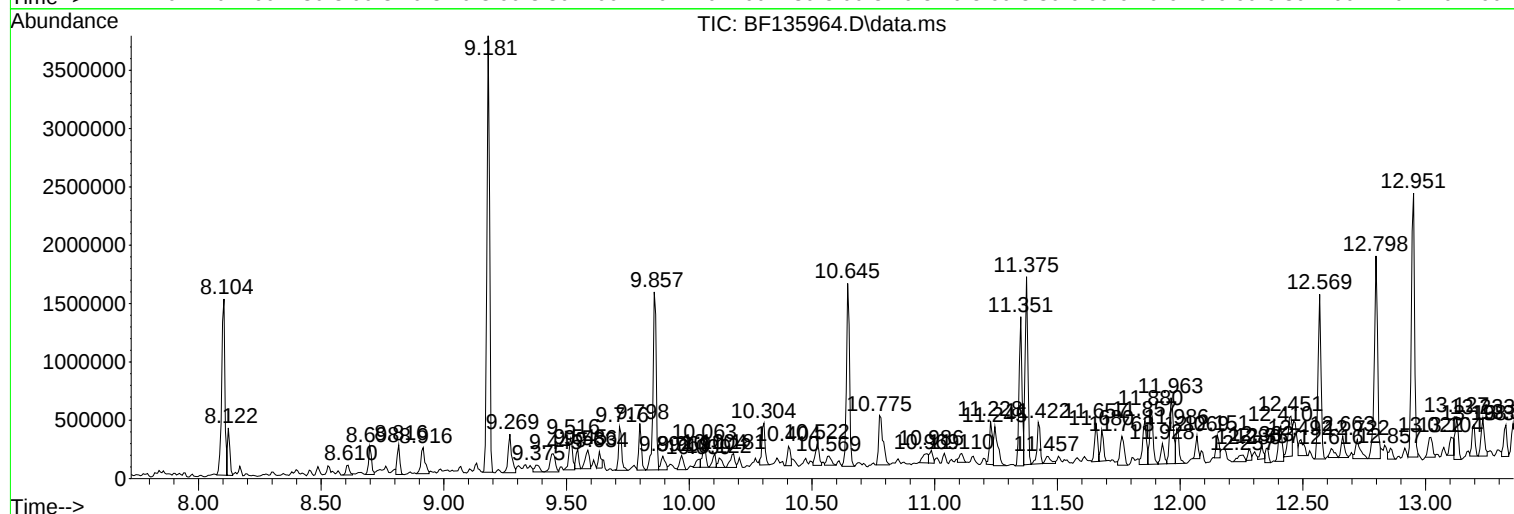
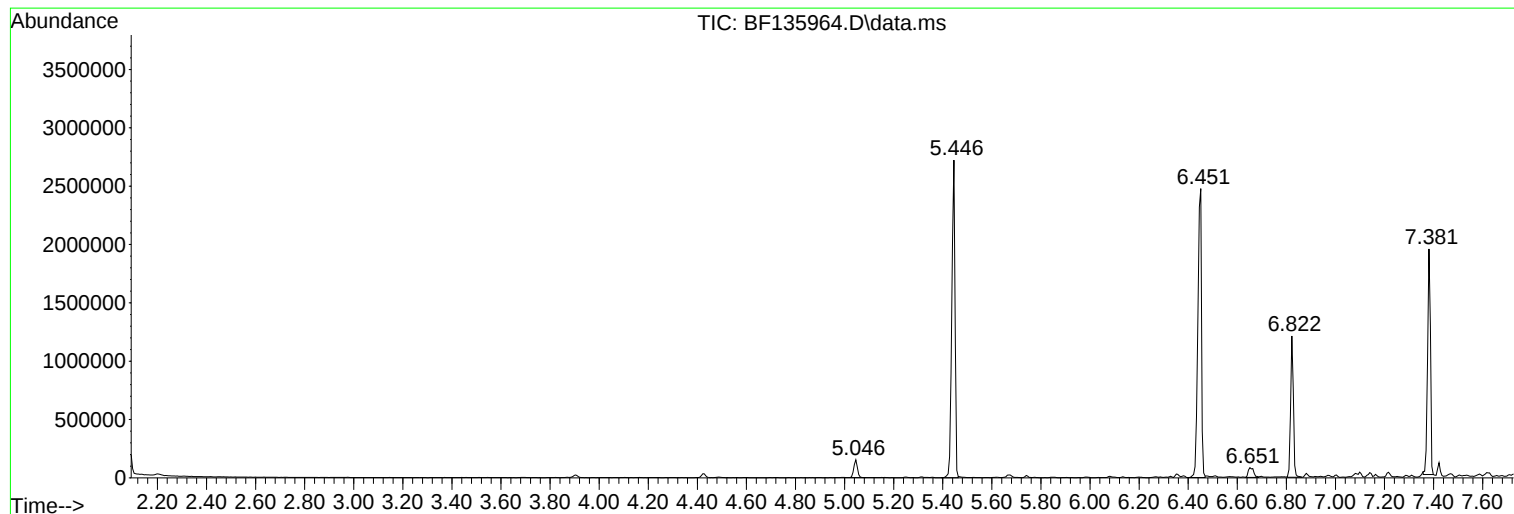
Sum of corrected areas: 45850557

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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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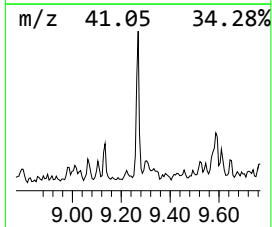
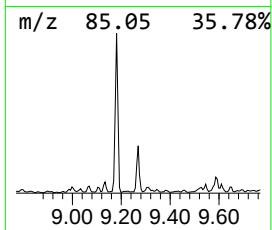
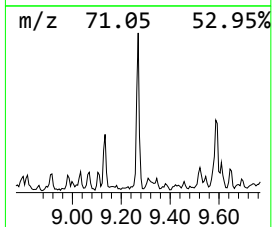
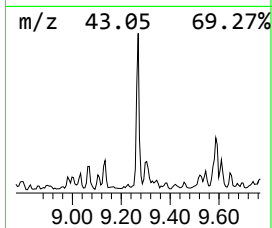
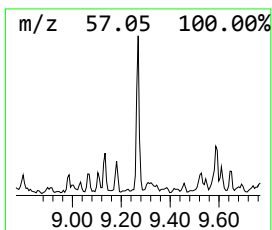
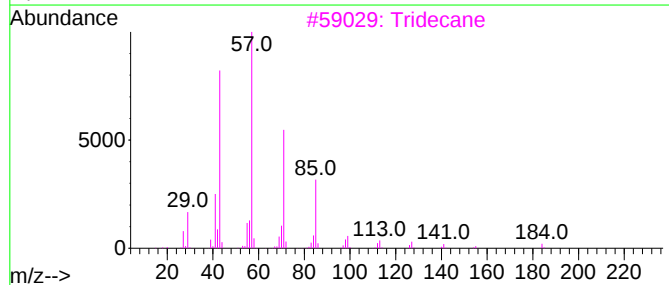
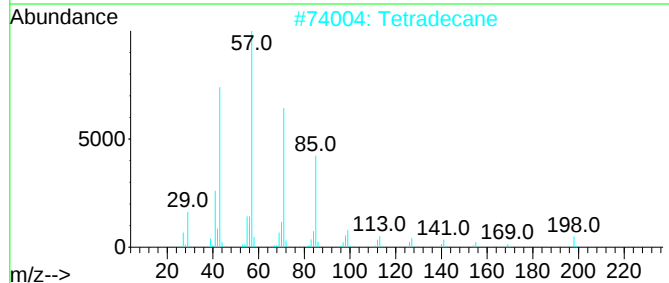
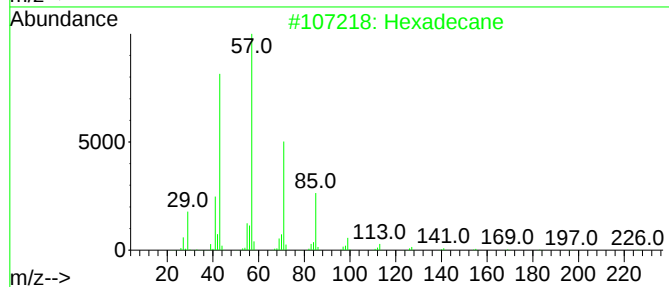
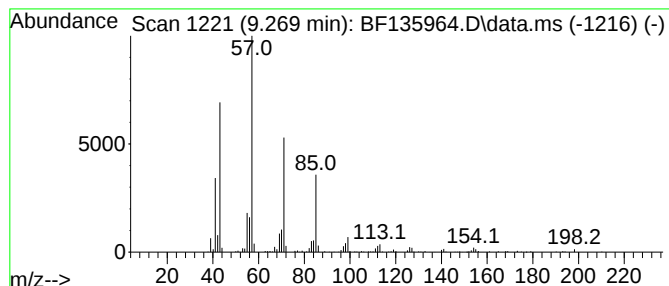
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.269	4.84 ng	340685	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	90
2			Tetradecane	198	C14H30	000629-59-4	90
3			Tridecane	184	C13H28	000629-50-5	83
4			Dodecane	170	C12H26	000112-40-3	78
5			Decane, 3-methyl-	156	C11H24	013151-34-3	74



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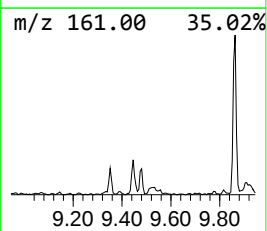
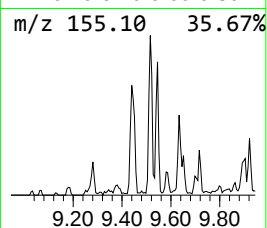
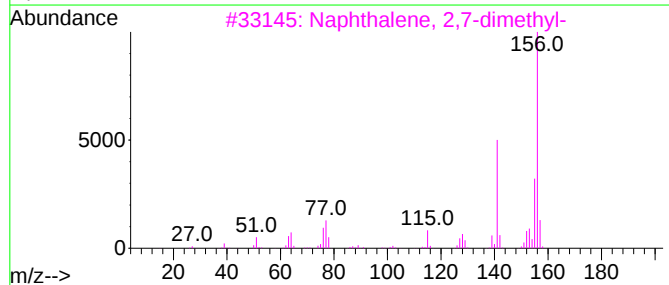
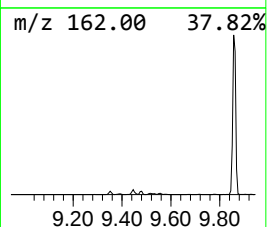
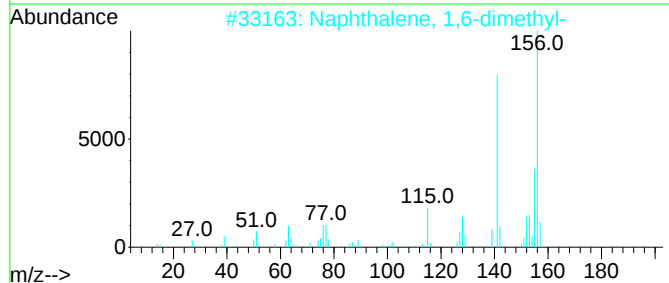
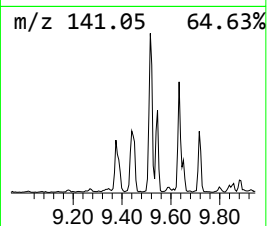
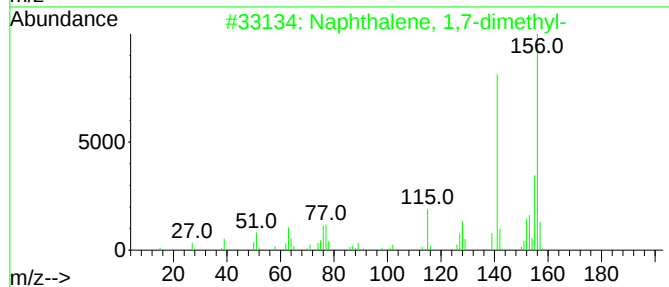
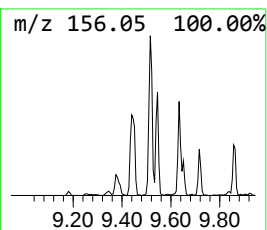
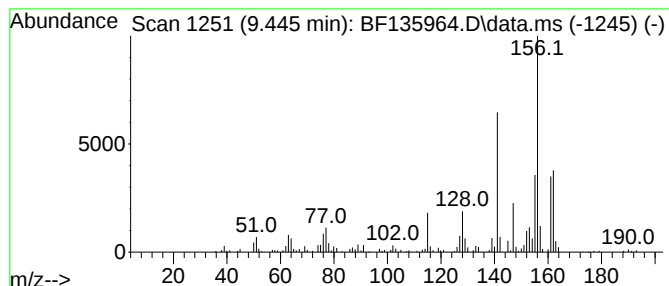
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	3.37 ng	237510	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



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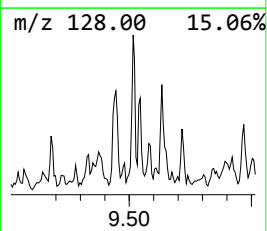
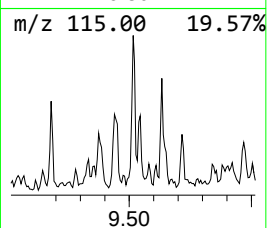
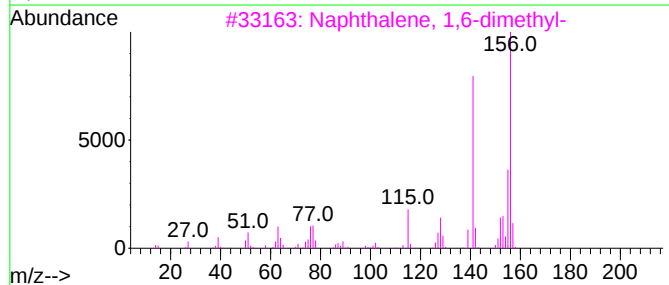
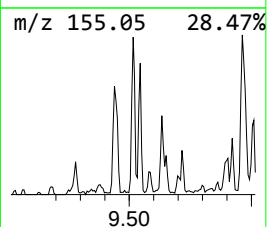
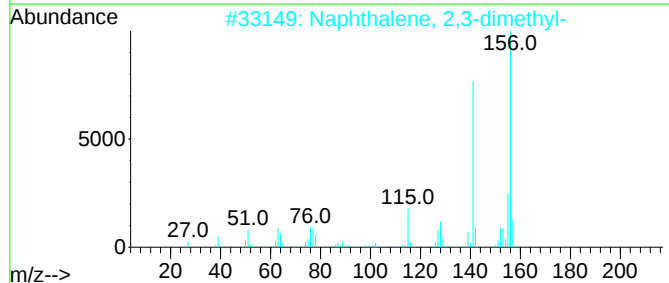
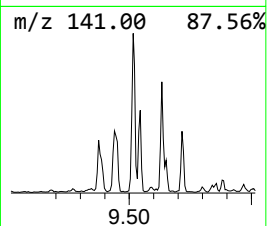
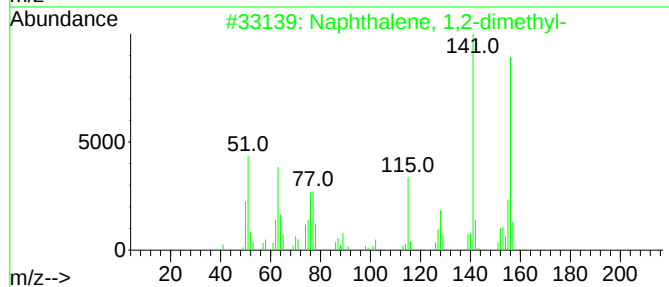
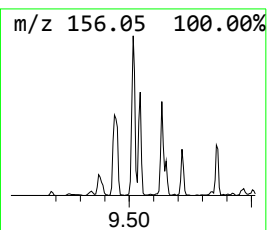
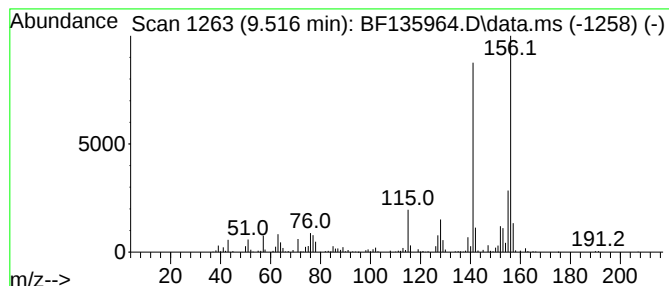
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	4.06 ng	285597	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-1

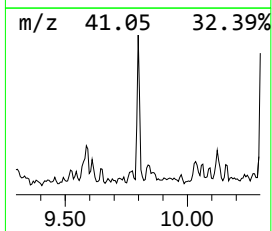
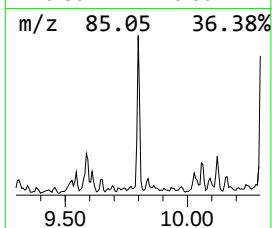
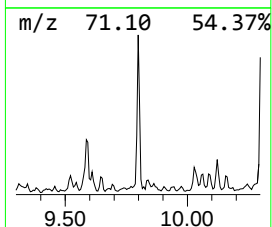
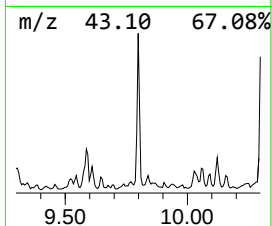
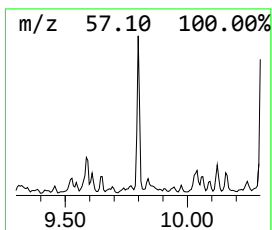
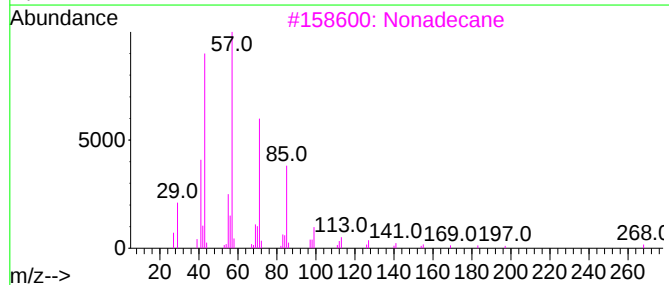
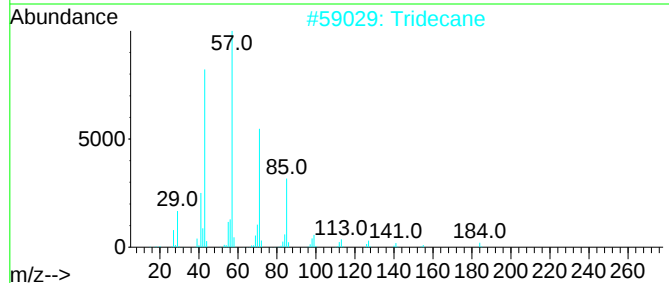
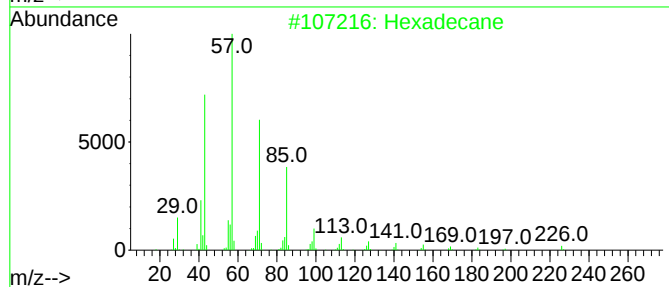
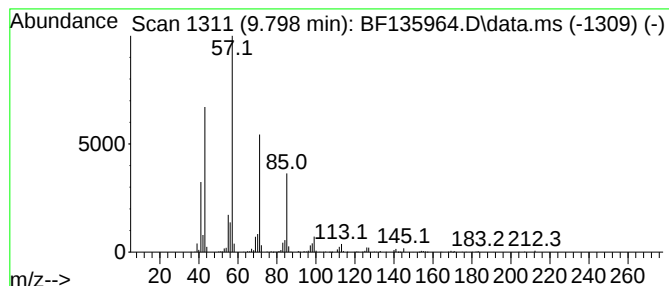
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.798	4.20 ng	295831	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	90
2			Tridecane	184	C13H28	000629-50-5	90
3			Nonadecane	268	C19H40	000629-92-5	90
4			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MMFB-1

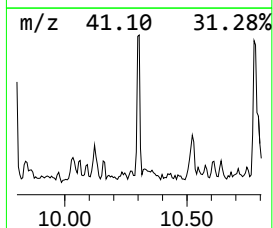
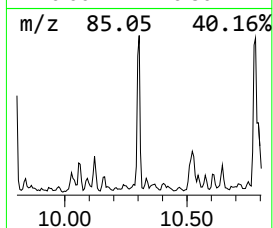
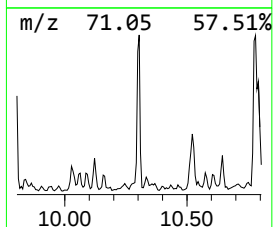
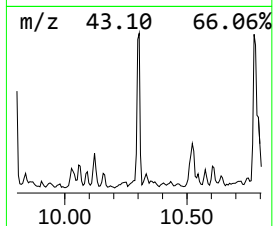
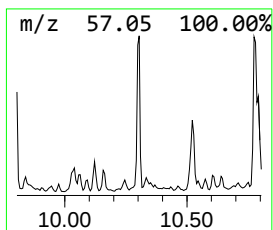
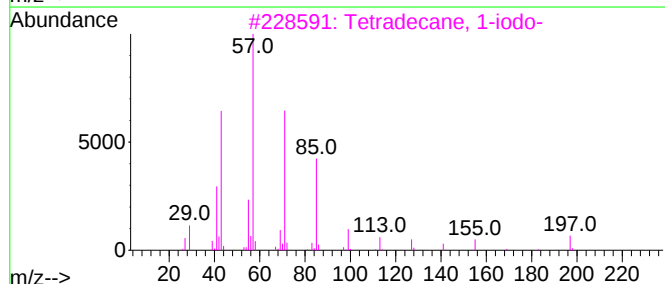
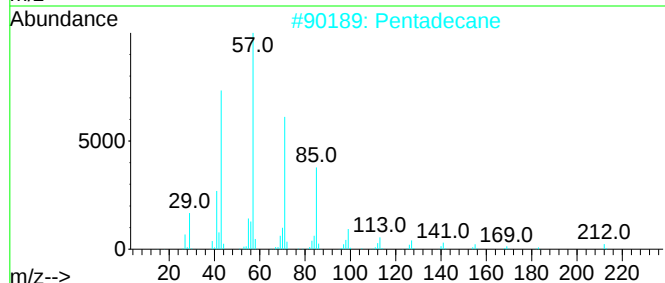
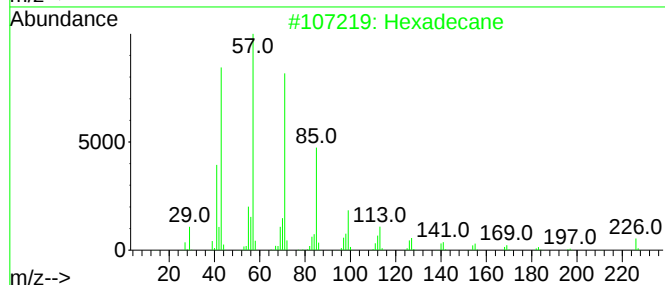
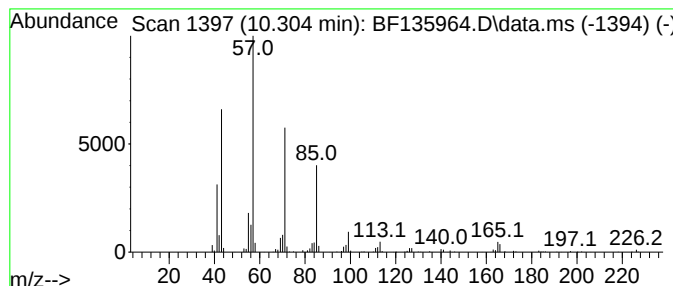
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.304	4.54 ng	319543	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	93
2			Pentadecane	212	C15H32	000629-62-9	86
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
4			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
5			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
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ClientSampleId :
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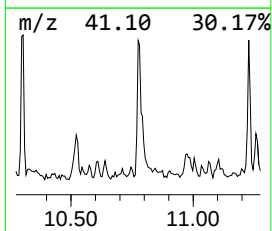
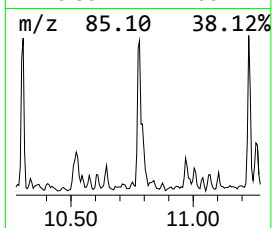
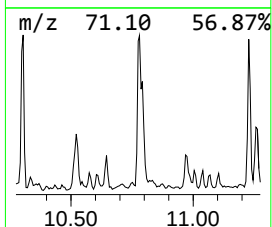
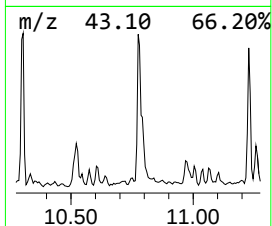
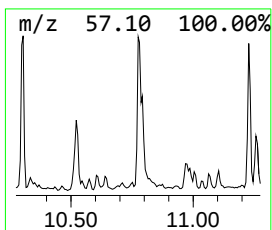
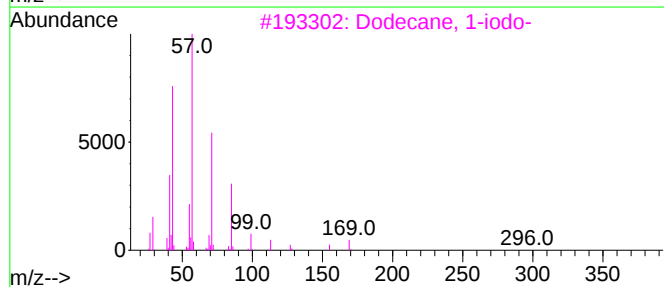
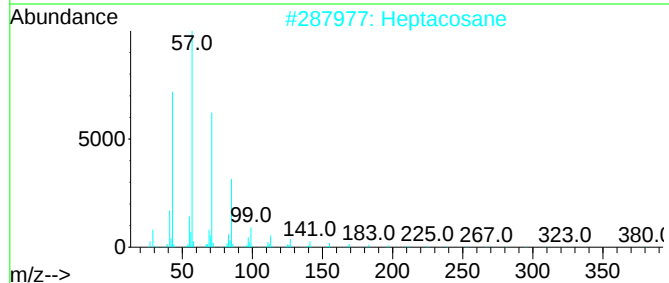
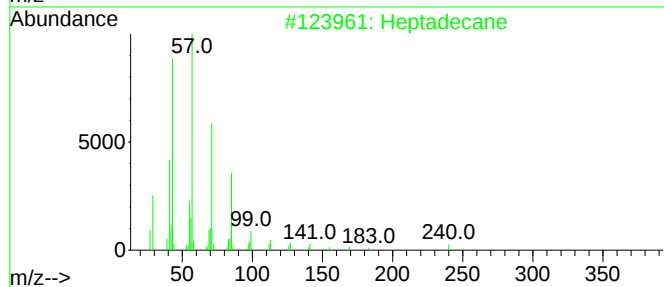
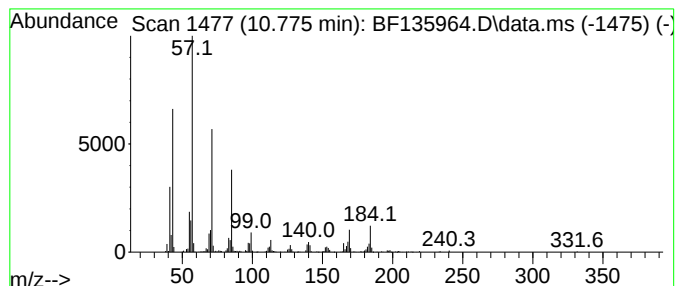
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.775	9.69 ng	535325	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	68
2			Heptacosane	380	C27H56	000593-49-7	68
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
4			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64
5			Heneicosane	296	C21H44	000629-94-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
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Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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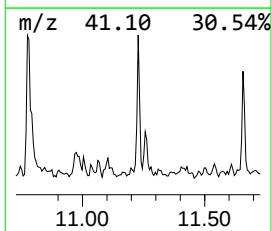
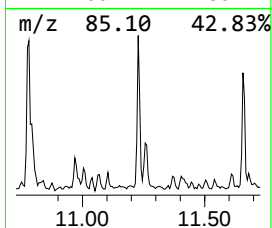
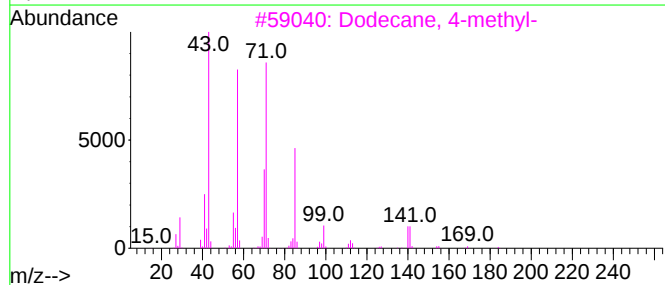
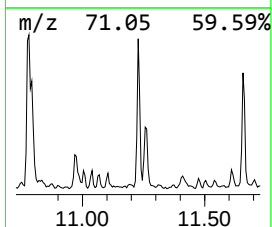
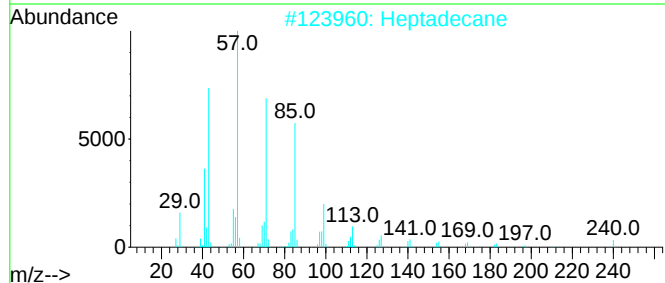
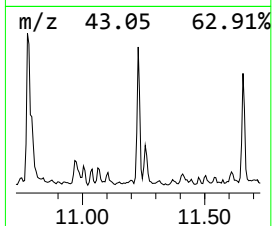
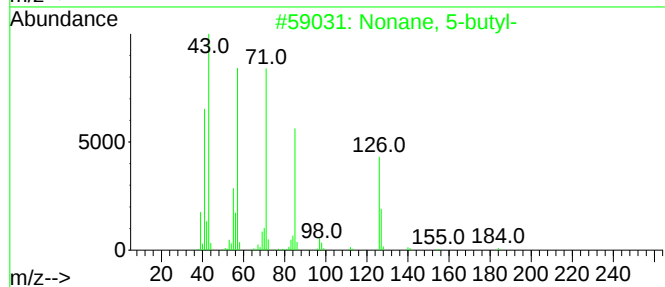
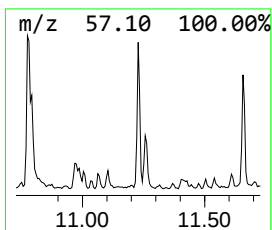
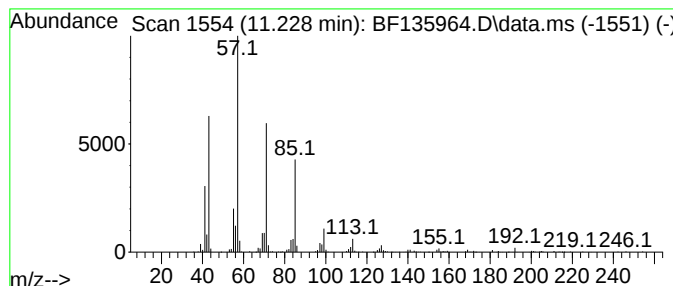
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Nonane, 5-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.228	6.36 ng	351278	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 5-butyl-	184	C13H28	017312-63-9	90
2			Heptadecane	240	C17H36	000629-78-7	90
3			Dodecane, 4-methyl-	184	C13H28	006117-97-1	87
4			Nonadecane	268	C19H40	000629-92-5	83
5			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
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Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MMFB-1

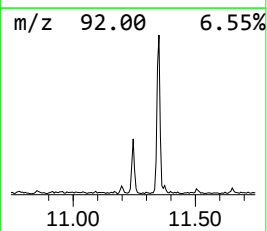
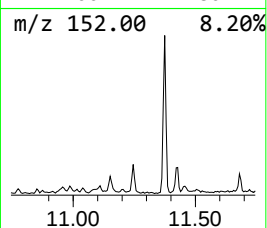
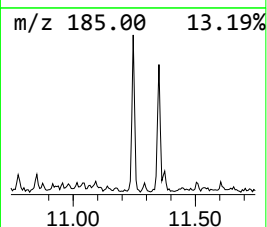
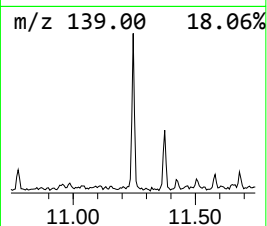
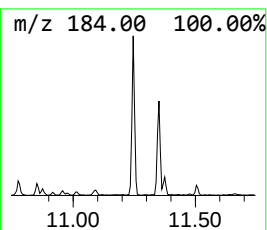
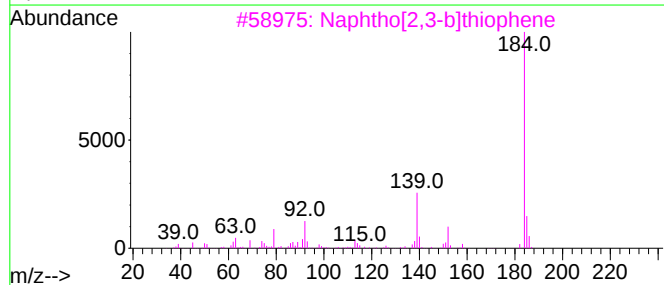
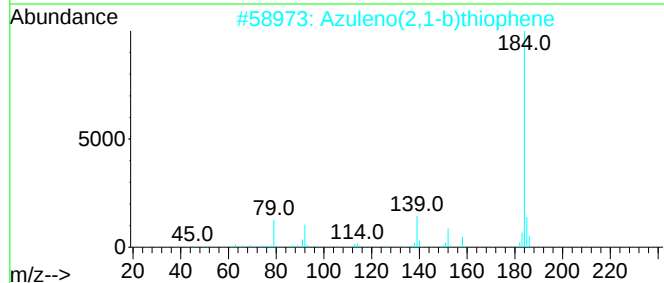
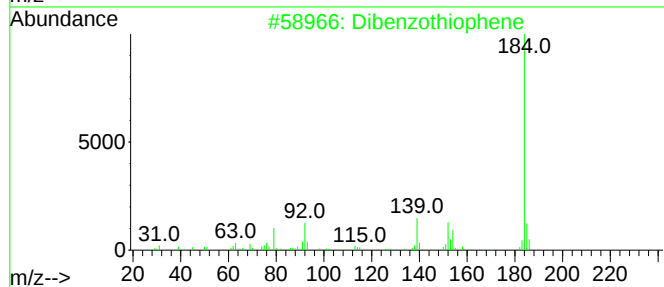
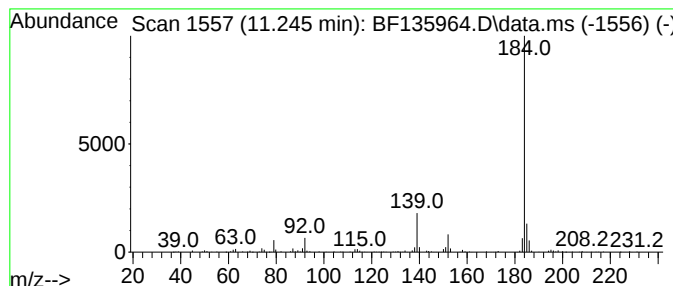
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	6.09 ng	336469	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	94
2			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
5			Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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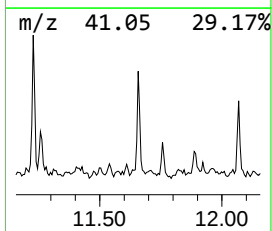
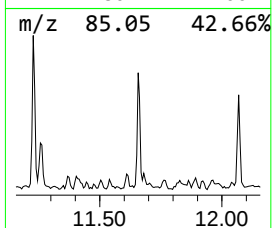
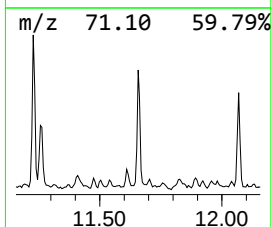
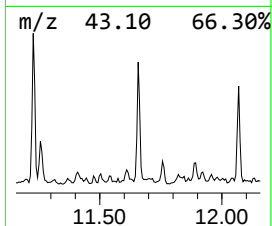
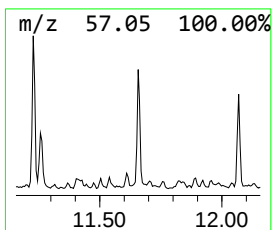
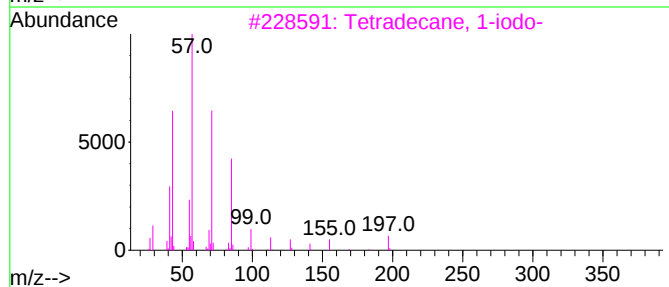
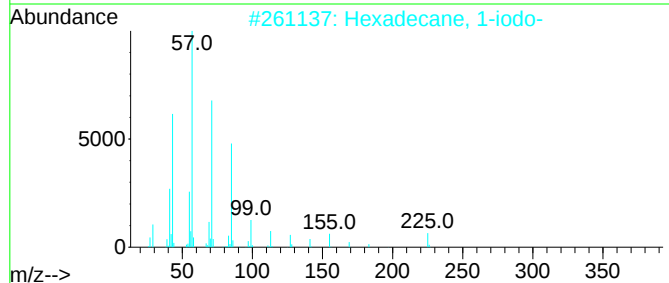
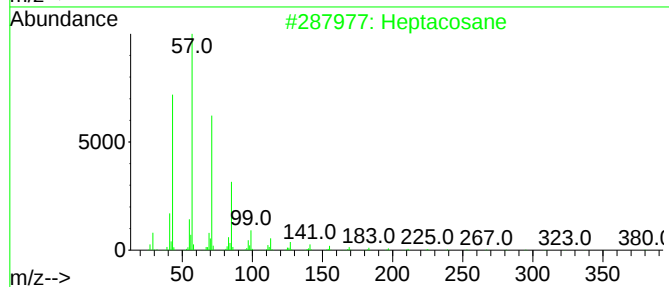
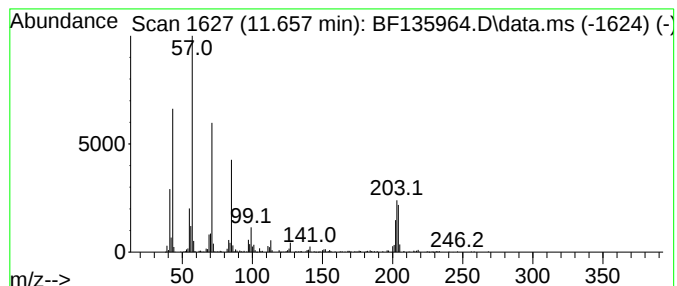
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Heptacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.657	5.09 ng	281046	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	58
2			Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	52
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	52
4			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	52
5			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
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ClientSampleId :
MMFB-1

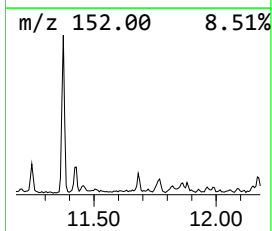
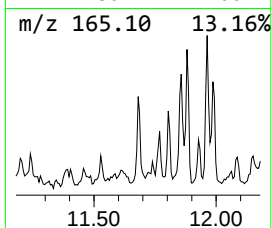
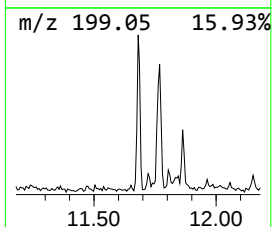
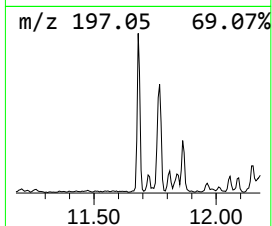
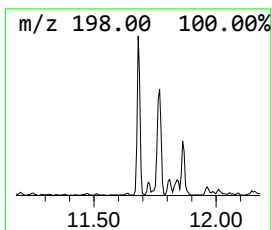
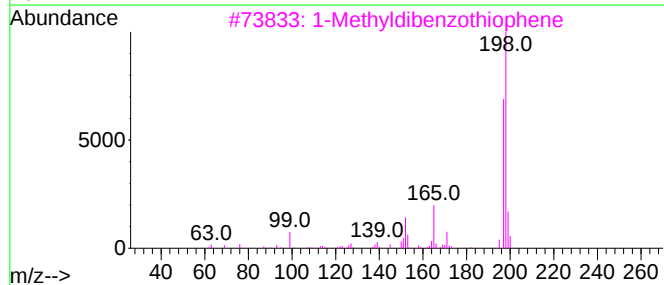
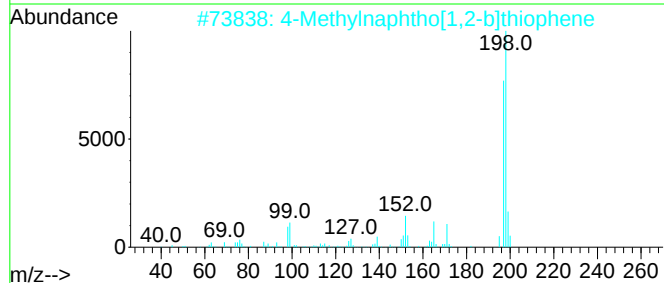
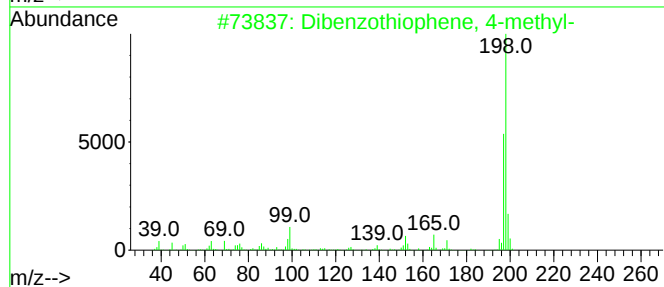
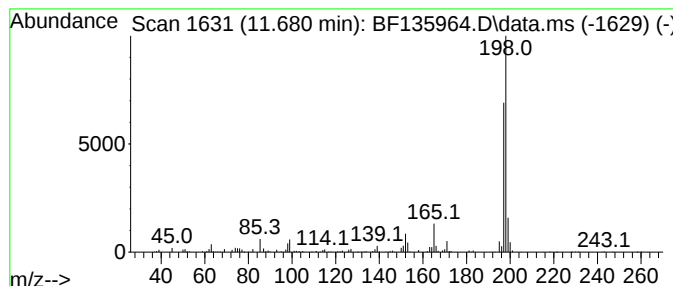
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dibenzothiophene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.681	3.74 ng	206801	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	97
2			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
3			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
4			2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
5			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

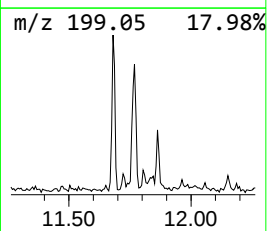
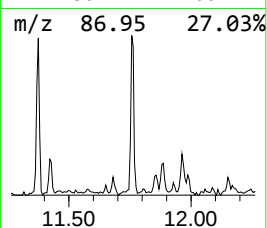
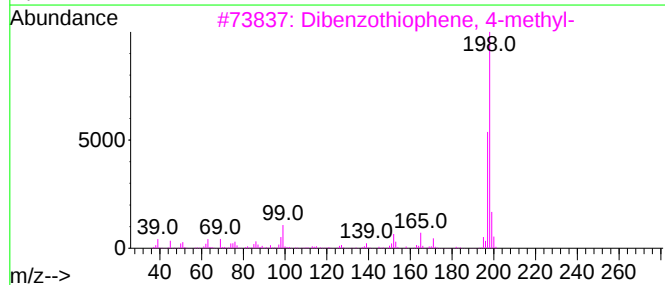
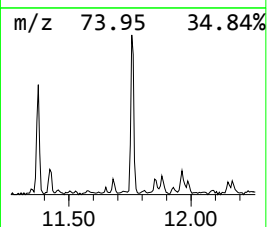
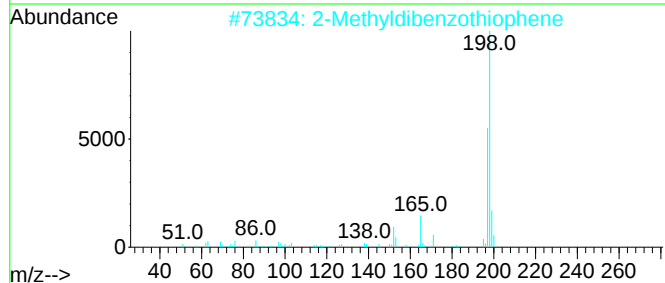
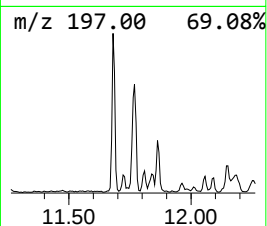
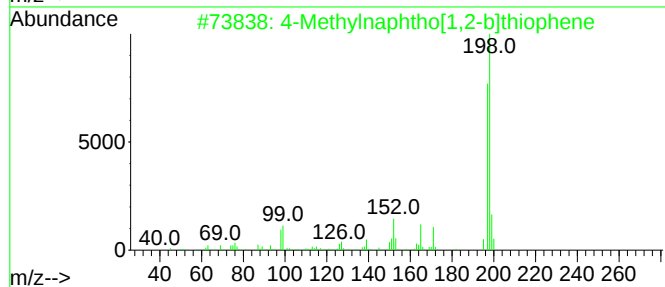
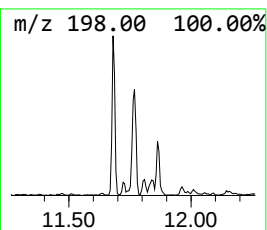
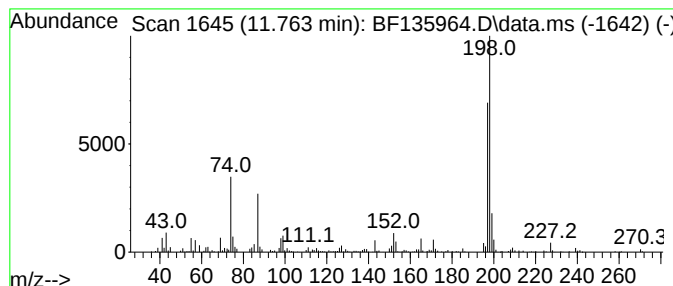
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.763	5.25 ng	290001	Phenanthrene-d10			11.351
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene		198	C13H10S	067388-11-8	94
2	2-Methyldibenzothiophene		198	C13H10S	1000383-55-1	89
3	Dibenzothiophene, 4-methyl-		198	C13H10S	007372-88-5	70
4	Dibenzothiophene, 3-methyl-		198	C13H10S	016587-52-3	70
5	1-Methyldibenzothiophene		198	C13H10S	031317-07-4	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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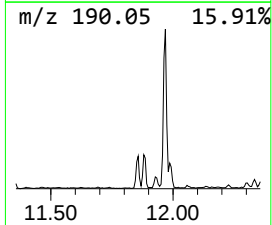
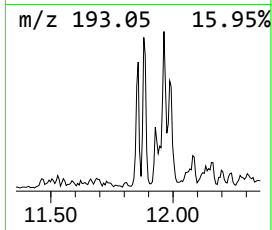
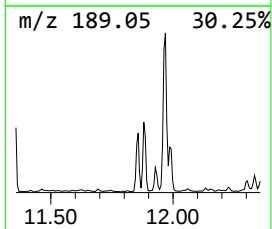
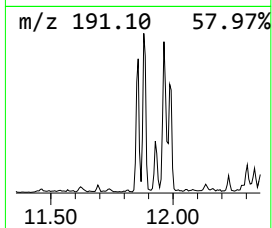
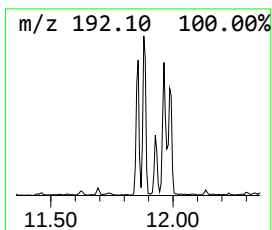
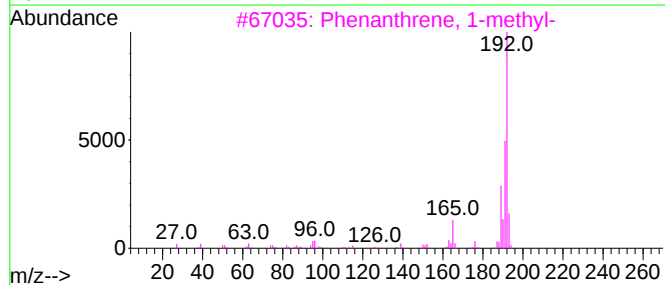
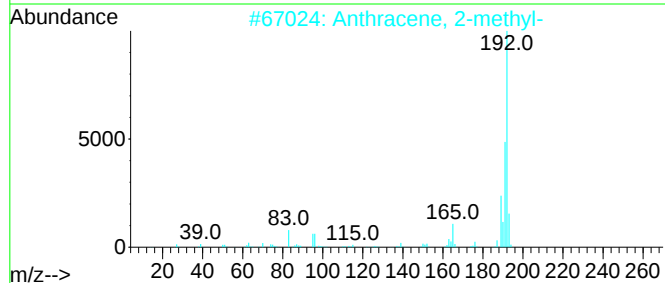
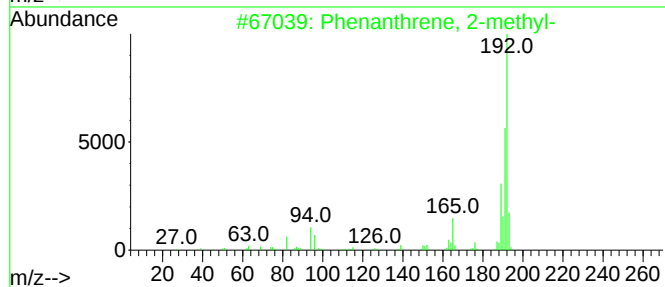
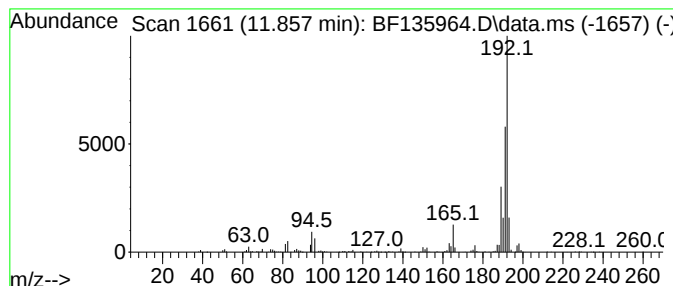
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	7.54 ng	416649	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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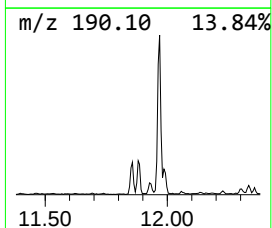
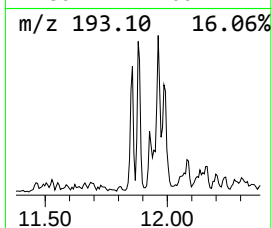
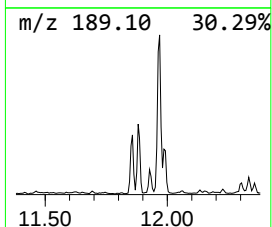
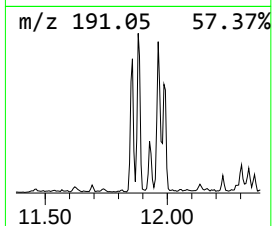
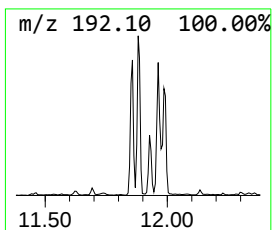
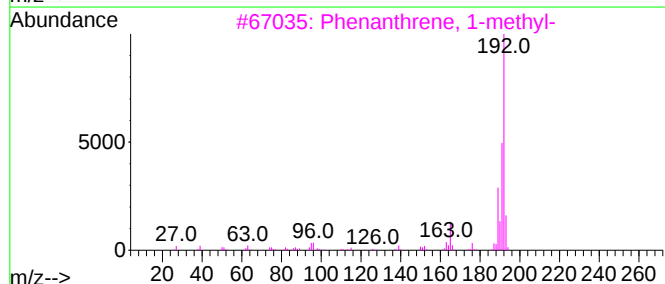
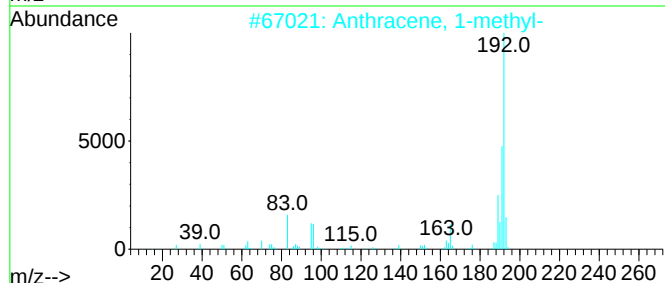
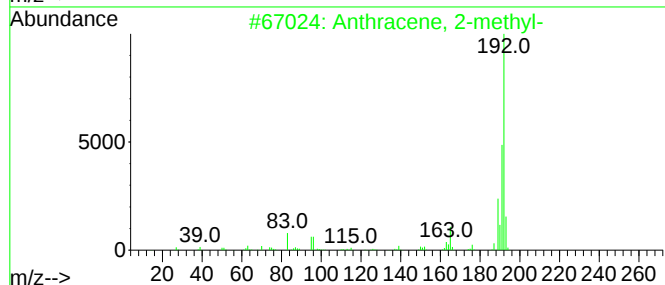
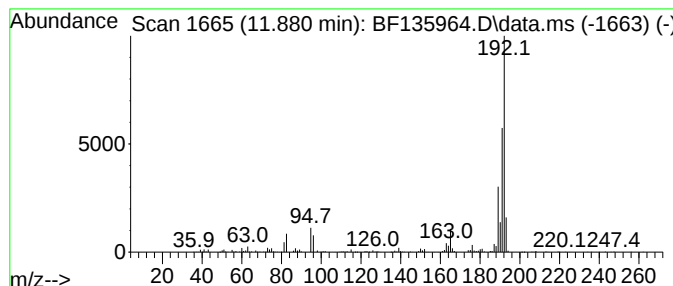
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.881	8.01 ng	442694	Phenanthrene-d10	11.351

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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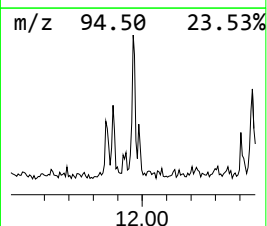
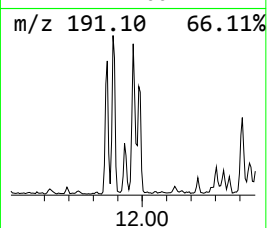
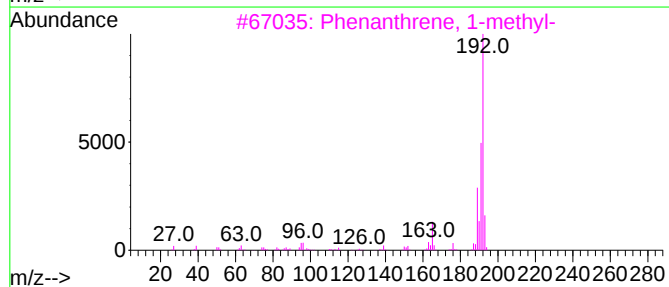
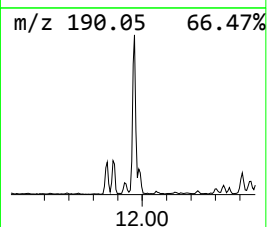
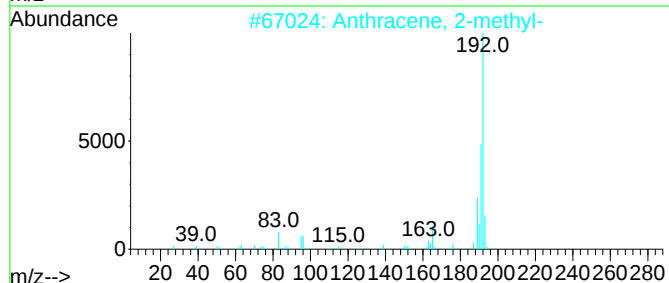
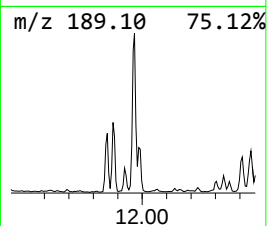
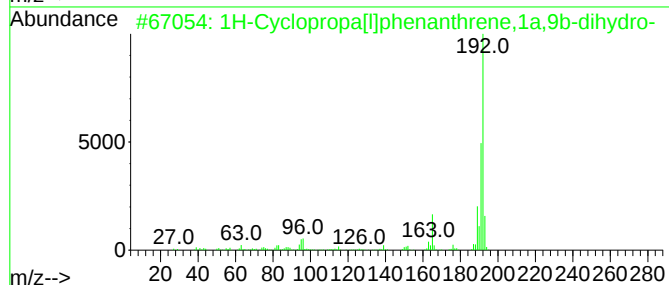
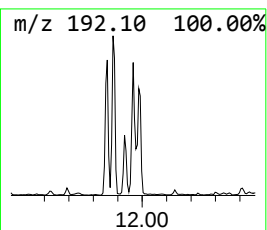
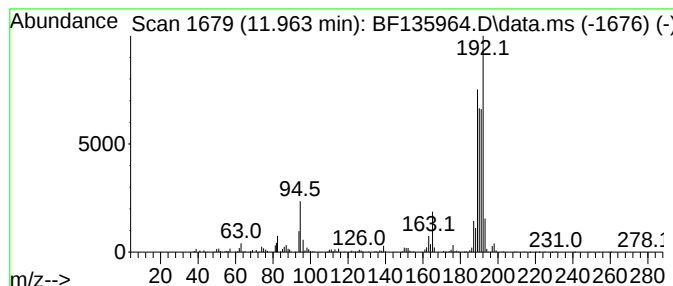
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	11.26 ng	622304	Phenanthrene-d10	11.351

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

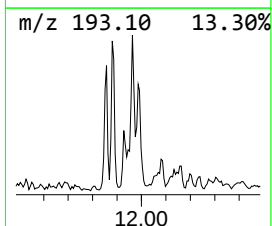
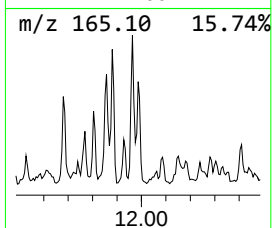
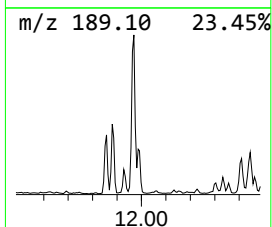
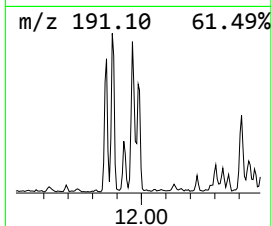
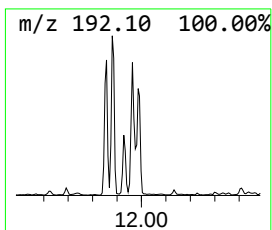
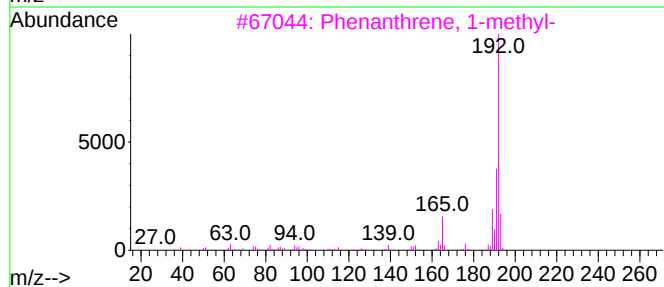
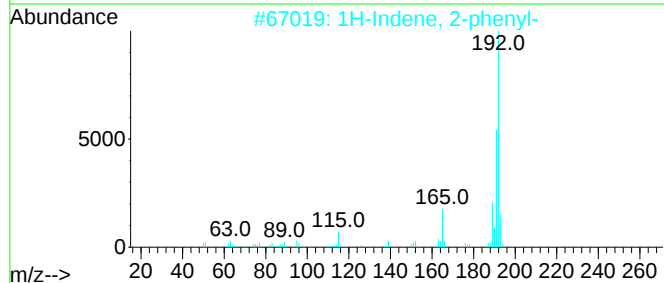
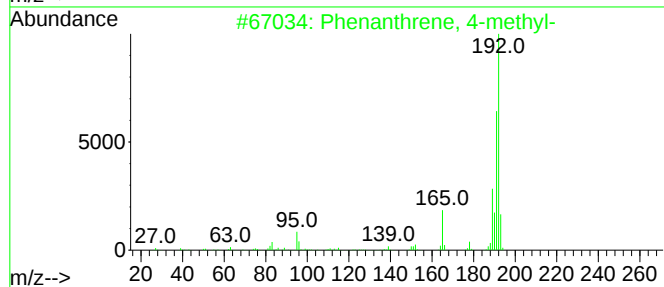
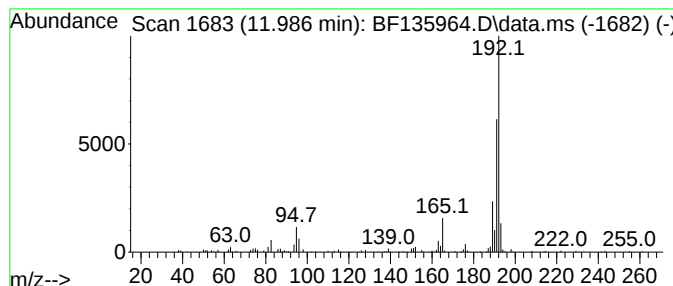
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.986	4.42 ng	244206	Phenanthrene-d10	11.351	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
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Misc :
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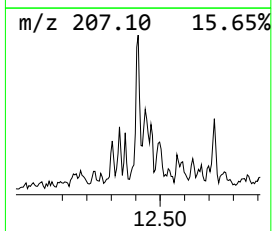
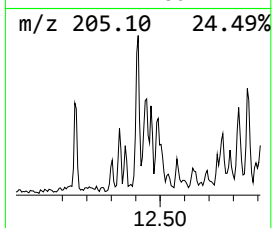
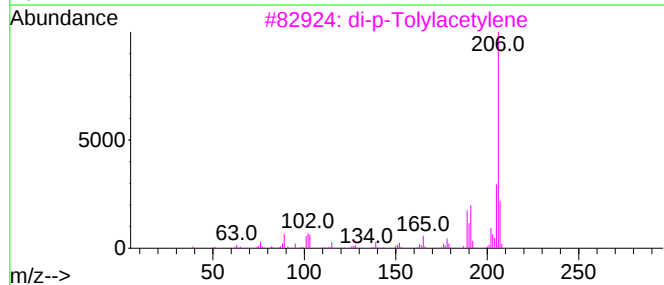
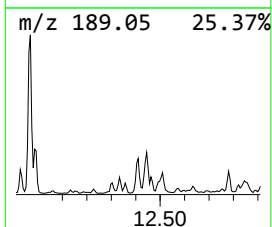
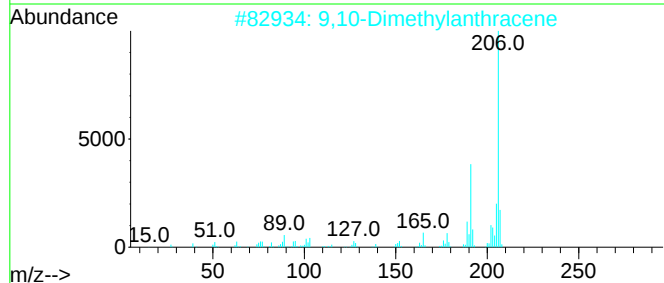
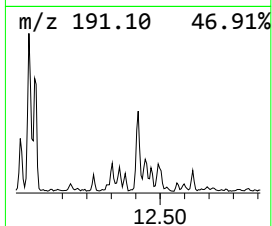
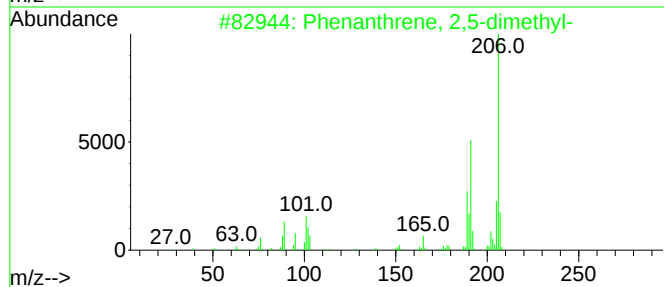
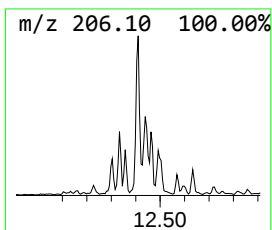
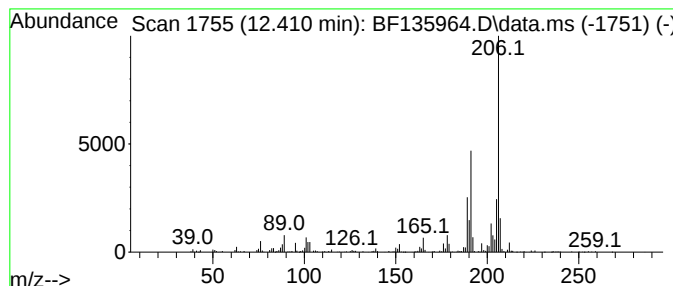
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ClientSampleId :
MMFB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.410	5.81 ng	320911	Phenanthrene-d10		11.351	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	97
2	9,10-Dimethylantracene		206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene		206	C16H14	002789-88-0	92
4	Phenanthrene, 1,7-dimethyl-		206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-1

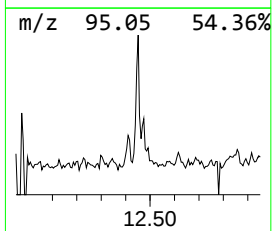
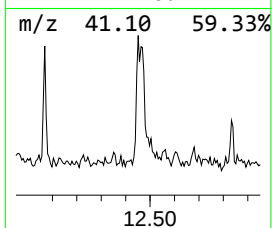
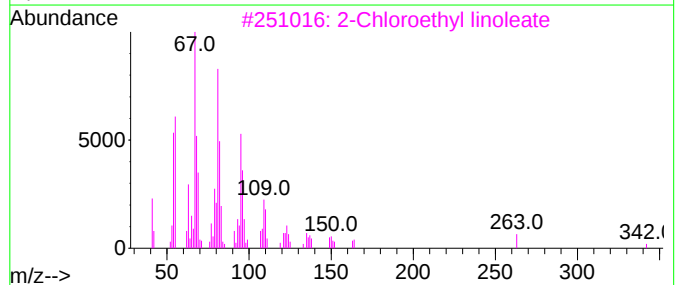
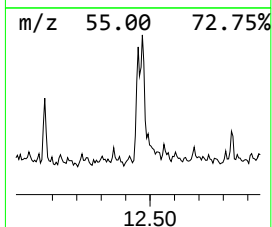
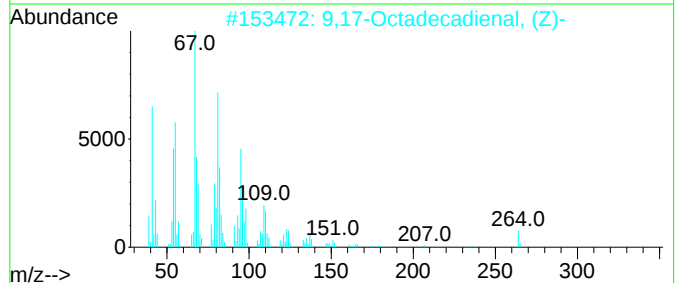
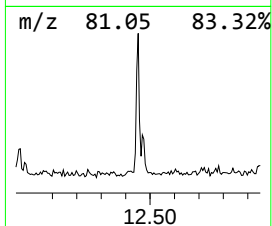
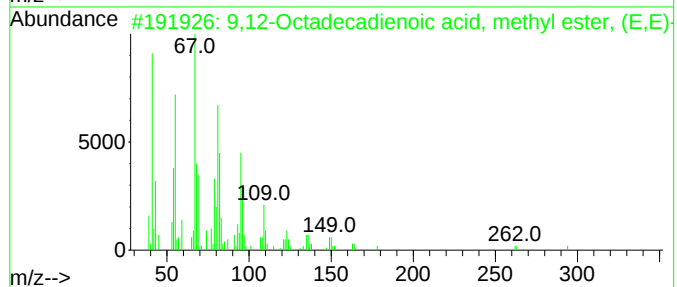
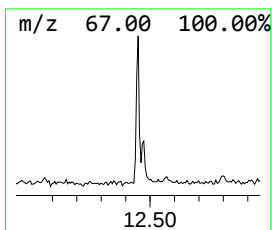
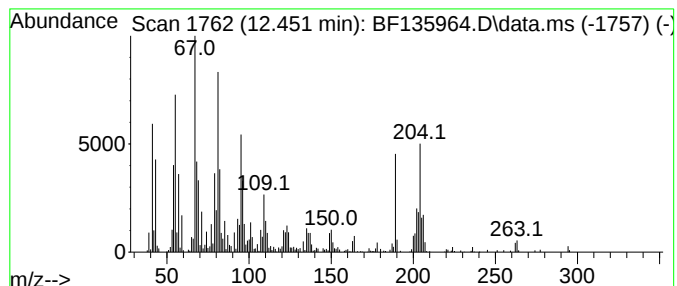
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	7.68 ng	424263	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	97		
2	9,17-Octadecadienal, (Z)-	264	C18H32O	056554-35-9	87		
3	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	70		
4	Linoelaidic acid	280	C18H32O2	000506-21-8	70		
5	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	64		



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Data File : BF135964.D
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Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

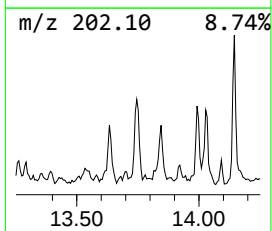
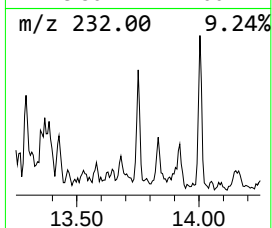
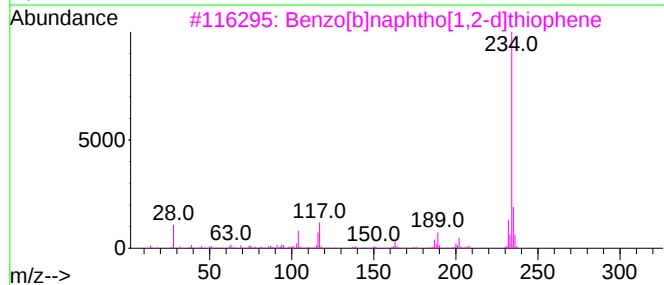
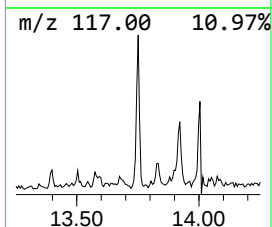
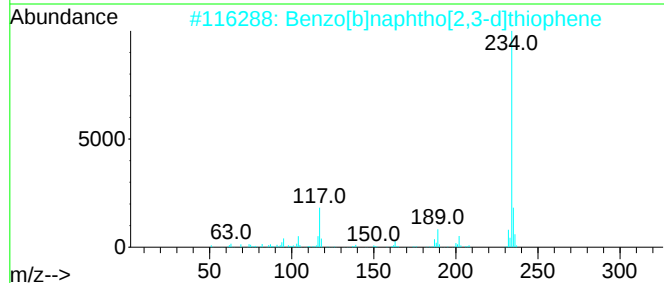
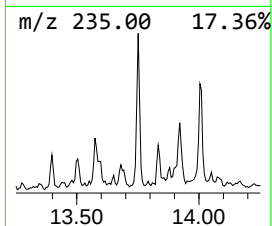
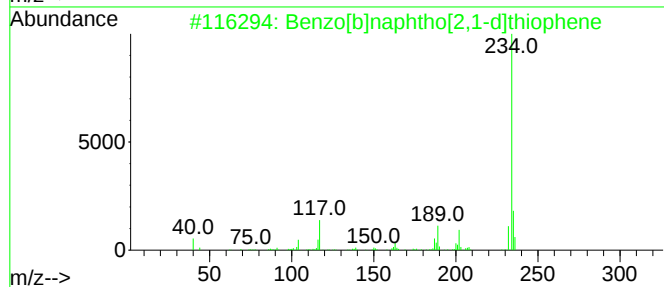
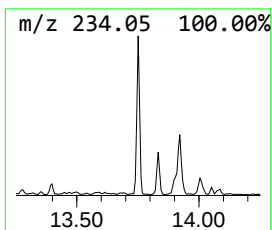
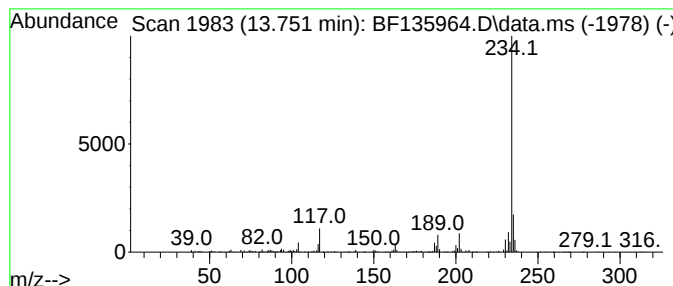
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.751	3.80 ng	367486	Chrysene-d12		14.004	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene		234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene		234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[1,2-d]thiophene		234	C16H10S	000205-43-6	93
4	Phenanthro(2,1-b)thiophene		234	C16H10S	000219-25-0	90
5	Anthra(2,3-b)thiophene		234	C16H10S	022108-55-0	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
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Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-1

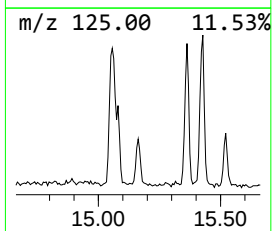
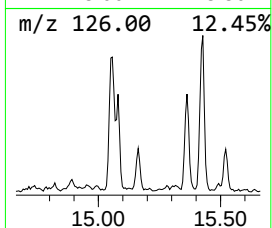
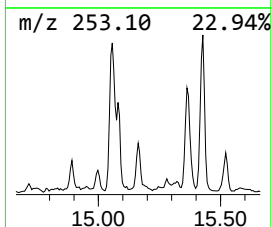
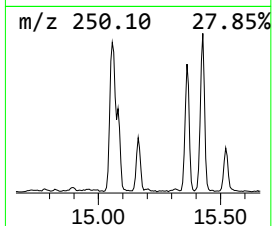
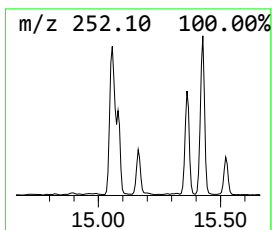
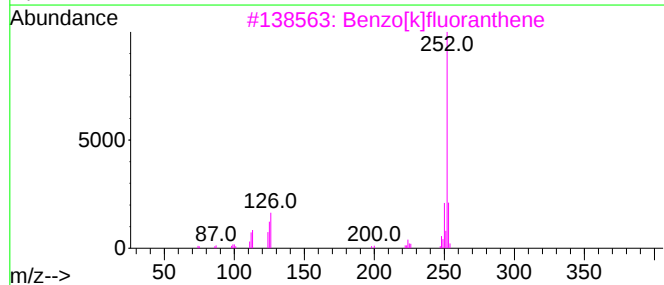
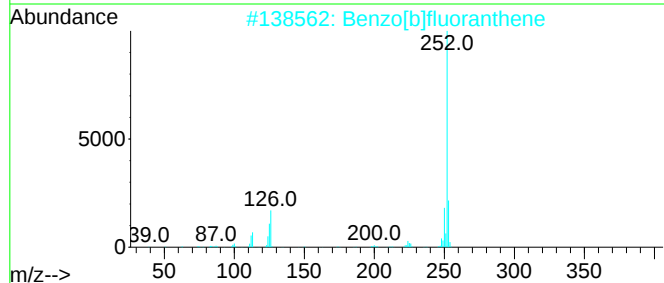
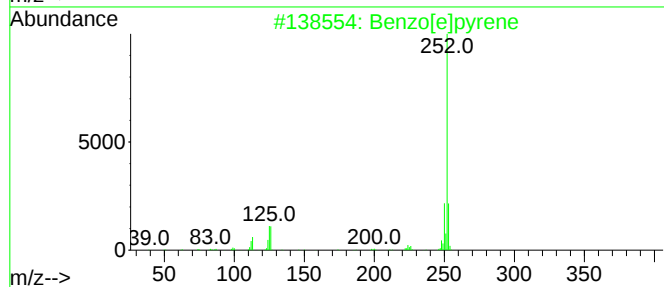
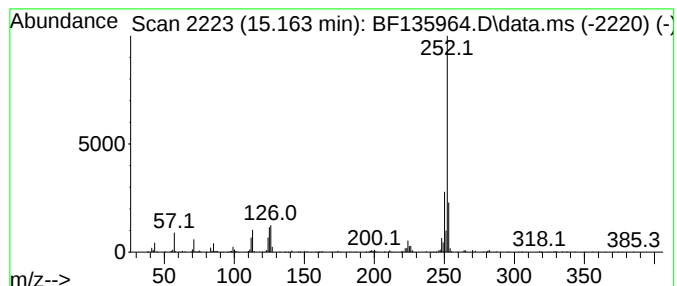
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	6.89 ng	304377	Perylene-d12	15.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Perylene	252	C20H12	000198-55-0	93
5			Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
Acq On : 26 Oct 2023 15:33
Operator : CG\JU
Sample : 05039-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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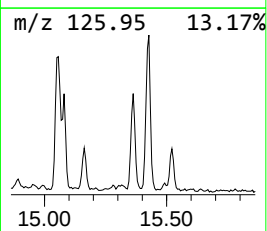
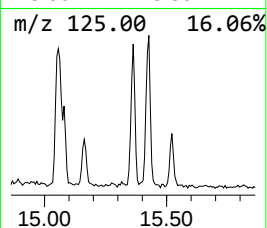
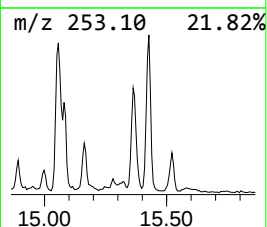
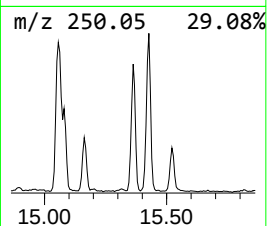
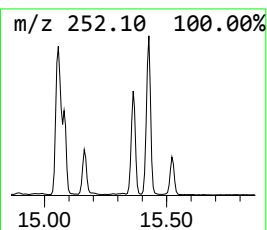
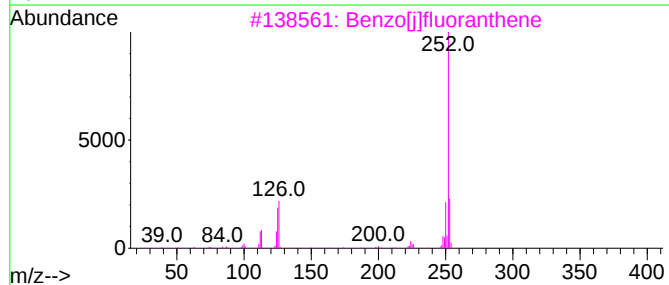
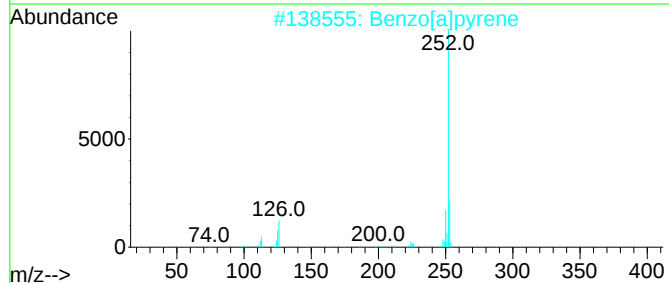
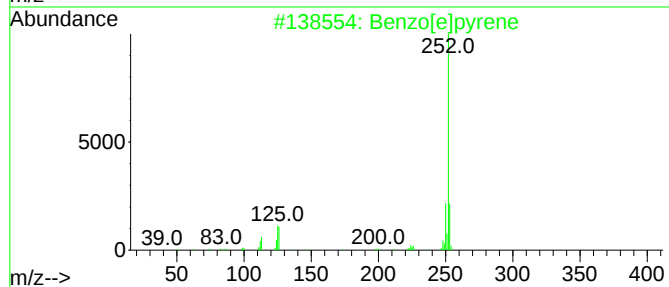
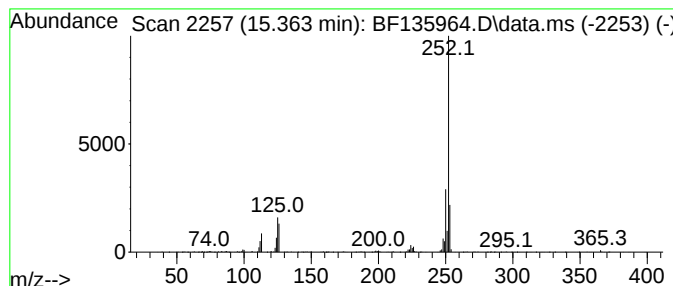
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.363	14.41 ng	636985	Perylene-d12	15.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	94
2			Benzo[a]pyrene	252	C20H12	000050-32-8	93
3			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135964.D
 Acq On : 26 Oct 2023 15:33
 Operator : CG\JU
 Sample : 05039-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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
Hexadecane	9.269	4.8	ng	340685	3	9.857	1407870	20.0
Naphthalene, 1,...	9.445	3.4	ng	237510	3	9.857	1407870	20.0
Naphthalene, 1,...	9.516	4.1	ng	285597	3	9.857	1407870	20.0
Tridecane	9.798	4.2	ng	295831	3	9.857	1407870	20.0
Pentadecane	10.304	4.5	ng	319543	3	9.857	1407870	20.0
Heptadecane	10.775	9.7	ng	535325	4	11.351	1105190	20.0
Nonane, 5-butyl-	11.228	6.4	ng	351278	4	11.351	1105190	20.0
Dibenzothiophene	11.245	6.1	ng	336469	4	11.351	1105190	20.0
Heptacosane	11.657	5.1	ng	281046	4	11.351	1105190	20.0
Dibenzothiophen...	11.681	3.7	ng	206801	4	11.351	1105190	20.0
4-Methylnaphtho...	11.763	5.3	ng	290001	4	11.351	1105190	20.0
Phenanthrene, 2...	11.857	7.5	ng	416649	4	11.351	1105190	20.0
Anthracene, 2-m...	11.881	8.0	ng	442694	4	11.351	1105190	20.0
1H-Cyclopropa[1...	11.963	11.3	ng	622304	4	11.351	1105190	20.0
Phenanthrene, 4...	11.986	4.4	ng	244206	4	11.351	1105190	20.0
Phenanthrene, 2...	12.410	5.8	ng	320911	4	11.351	1105190	20.0
9,12-Octadecadi...	12.451	7.7	ng	424263	4	11.351	1105190	20.0
Benzo[b]naphtho...	13.751	3.8	ng	367486	5	14.004	1935750	20.0
Benzo[e]pyrene	15.163	6.9	ng	304377	6	15.492	883802	20.0
Benzo[j]fluoran...	15.363	14.4	ng	636985	6	15.492	883802	20.0