LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135745.D
Acq On : 12 Oct 2023 20:36
Operator : CG\JU
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135745.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.316	376	379	388	rBV	55509	85135	1.40%	0.144%
2	4.946	483	486	501	rVB	131240	156947	2.58%	0.266%
3	5.381	557	560	576	rBV	183836	268695	4.41%	0.455%
4	6.398	730	733	749	rBV	221740	357629	5.87%	0.605%
5	6.740	787	791	797	rBV	483975	441985	7.26%	0.748%
6	7.304	884	887	897	rBV	195128	209076	3.43%	0.354%
7	8.016	1005	1008	1014	rVB	613238	527763	8.67%	0.893%
8	9.092	1188	1191	1195	rBV	435986	353002	5.80%	0.597%
9	9.775	1299	1307	1310	rBV	606770	550688	9.04%	0.932%
10	9.810	1310	1313	1316	rVB	856419	671557	11.03%	1.136%
11	9.981	1337	1342	1347	rVB	371542	333410	5.47%	0.564%
12	10.328	1397	1401	1406	rVB	795988	655811	10.77%	1.110%
13	10.392	1406	1412	1413	rBV	100474	117725	1.93%	0.199%
14	10.410	1413	1415	1418	rVB	111641	82770	1.36%	0.140%
15	10.486	1425	1428	1433	rVB	121511	115280	1.89%	0.195%
16	10.575	1439	1443	1448	rVB2	210222	241616	3.97%	0.409%
17	10.704	1459	1465	1470	rVB3	85605	156109	2.56%	0.264%
18	10.757	1470	1474	1477	rBV	221446	217470	3.57%	0.368%
19	10.792	1477	1480	1483	rVV2	133161	179658	2.95%	0.304%
20	10.828	1483	1486	1488	rVV2	143098	181513	2.98%	0.307%
21	10.851	1488	1490	1493	rVV2	109365	162547	2.67%	0.275%
22	10.881	1493	1495	1497	rVV2	144808	154069	2.53%	0.261%
23	10.904	1497	1499	1502	rVV2	128188	147802	2.43%	0.250%
24	10.939	1502	1505	1507	rVV3	136164	181933	2.99%	0.308%
25	10.975	1509	1511	1513	rVV	135325	157315	2.58%	0.266%
26	11.004	1513	1516	1526	rVB4	247680	452732	7.43%	0.766%
27	11.128	1533	1537	1540	rBV3	151148	165392	2.72%	0.280%
28	11.169	1540	1544	1549	rVB	286413	285847	4.69%	0.484%
29	11.275	1558	1562	1563	rBV	436999	402310	6.61%	0.681%
30	11.304	1563	1567	1570	rVV	1738413	1728663	28.39%	2.925%
31	11.351	1571	1575	1578	rVV	1321371	1073949	17.63%	1.817%
32	11.392	1578	1582	1586	rVV3	66455	86994	1.43%	0.147%
33	11.516	1598	1603	1609	rBV	263778	315194	5.18%	0.533%
34	11.563	1609	1611	1614	rVV	100680	93780	1.54%	0.159%
35	11.775	1644	1647	1650	rBV	284528	244086	4.01%	0.413%
36	11.810	1650	1653	1656	rVV	307169	299578	4.92%	0.507%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.857	1657	1661	1664	rVV	310942	299319	4.91%	0.506%
38	11.892	1664	1667	1669	rVV	1141486	998616	16.40%	1.690%
39	11.910	1669	1670	1675	rVB	198722	150534	2.47%	0.255%
40	12.075	1695	1698	1701	rVB	356795	277898	4.56%	0.470%
41	12.222	1719	1723	1726	rBV2	110080	130705	2.15%	0.221%
42	12.333	1738	1742	1745	rBV	184655	201438	3.31%	0.341%
43	12.369	1745	1748	1754	rVV2	117588	145253	2.39%	0.246%
44	12.433	1756	1759	1766	rVB3	111922	153505	2.52%	0.260%
45	12.516	1766	1773	1776	rBV	4451826	6089974	100.00%	10.304%
46	12.569	1779	1782	1787	rVB2	126103	146710	2.41%	0.248%
47	12.651	1792	1796	1799	rBV	366540	340284	5.59%	0.576%
48	12.745	1804	1812	1815	rBV3	3763823	6041394	99.20%	10.222%
49	12.780	1815	1818	1824	rVB2	273361	303409	4.98%	0.513%
50	12.851	1827	1830	1831	rBV	333051	286947	4.71%	0.486%
51	12.869	1831	1833	1835	rVB	319558	240053	3.94%	0.406%
52	12.898	1835	1838	1842	rVB	256656	236899	3.89%	0.401%
53	12.951	1842	1847	1851	rBV2	328847	575647	9.45%	0.974%
54	12.986	1851	1853	1858	rBV	86235	89275	1.47%	0.151%
55	13.033	1858	1861	1862	rBV	292279	264439	4.34%	0.447%
56	13.063	1863	1866	1869	rVB	1149197	1181132	19.39%	1.998%
57	13.098	1869	1872	1874	rBV3	103896	123154	2.02%	0.208%
58	13.133	1874	1878	1880	rBV	1274961	1213785	19.93%	2.054%
59	13.169	1880	1884	1886	rBV2	454773	604158	9.92%	1.022%
60	13.222	1891	1893	1896	rVB3	138556	117086	1.92%	0.198%
61	13.257	1896	1899	1902	rBV	302646	279808	4.59%	0.473%
62	13.292	1902	1905	1908	rBV2	260042	272121	4.47%	0.460%
63	13.357	1914	1916	1919	rBV2	92030	95060	1.56%	0.161%
64	13.416	1923	1926	1928	rBV	170262	148996	2.45%	0.252%
65	13.445	1928	1931	1932	rBV3	85438	90607	1.49%	0.153%
66	13.469	1933	1935	1936	rVV2	146027	122616	2.01%	0.207%
67	13.486	1936	1938	1941	rVV	302270	285041	4.68%	0.482%
68	13.545	1945	1948	1952	rBV2	221067	347544	5.71%	0.588%
69	13.580	1952	1954	1957	rVB2	141833	128659	2.11%	0.218%
70	13.686	1969	1972	1974	rBV	502117	458136	7.52%	0.775%
71	13.710	1974	1976	1979	rVV	366589	337225	5.54%	0.571%
72	13.739	1979	1981	1989	rVB3	451468	672254	11.04%	1.137%
73	13.857	1998	2001	2006	rBV	181495	230842	3.79%	0.391%
74	13.939	2007	2015	2019	rBV3	2088106	4000066	65.68%	6.768%
75	13.980	2019	2022	2025	rVB	2143482	2016235	33.11%	3.411%
76	14.051	2031	2034	2037	rBV	980587	856167	14.06%	1.449%

LSC Area Percent Report

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Misc :
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Instrument :
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VNJ-223

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
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.098	2040	2042	2048	rVB4	160804	156636	2.57%	0.265%
78	14.145	2048	2050	2051	rBV	138996	106319	1.75%	0.180%
79	14.163	2051	2053	2054	rBV	170146	111287	1.83%	0.188%
80	14.292	2073	2075	2077	rBV	163347	156781	2.57%	0.265%
81	14.333	2080	2082	2085	rVV	411251	356524	5.85%	0.603%
82	14.369	2085	2088	2090	rVB2	170992	166069	2.73%	0.281%
83	14.433	2097	2099	2101	rVB2	206271	156171	2.56%	0.264%
84	14.457	2101	2103	2105	rBV2	193835	199865	3.28%	0.338%
85	14.480	2105	2107	2110	rVB2	438484	359637	5.91%	0.609%
86	14.510	2110	2112	2114	rBV2	125716	117971	1.94%	0.200%
87	14.833	2164	2167	2173	rBV2	226482	274069	4.50%	0.464%
88	15.004	2190	2196	2199	rBV	1853608	3430299	56.33%	5.804%
89	15.104	2209	2213	2216	rVB	524157	503576	8.27%	0.852%
90	15.304	2241	2247	2253	rBV	1205977	1722703	28.29%	2.915%
91	15.374	2253	2259	2264	rVB	1633713	2483731	40.78%	4.202%
92	15.421	2264	2267	2270	rBV	171404	217897	3.58%	0.369%
93	15.457	2270	2273	2280	rVB	642348	789109	12.96%	1.335%
94	15.604	2295	2298	2300	rBV	97456	117262	1.93%	0.198%
95	15.986	2360	2363	2368	rVB2	164991	217245	3.57%	0.368%
96	16.939	2516	2525	2530	rBV2	815730	1870926	30.72%	3.166%
97	17.092	2546	2551	2557	rBV	170737	360357	5.92%	0.610%
98	17.157	2558	2562	2569	rVB3	146571	287402	4.72%	0.486%
99	17.398	2594	2603	2612	rBV	701965	1901916	31.23%	3.218%
100	17.639	2639	2644	2654	rVB2	254047	629005	10.33%	1.064%

Sum of corrected areas: 59101778

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Data File : BF135745.D
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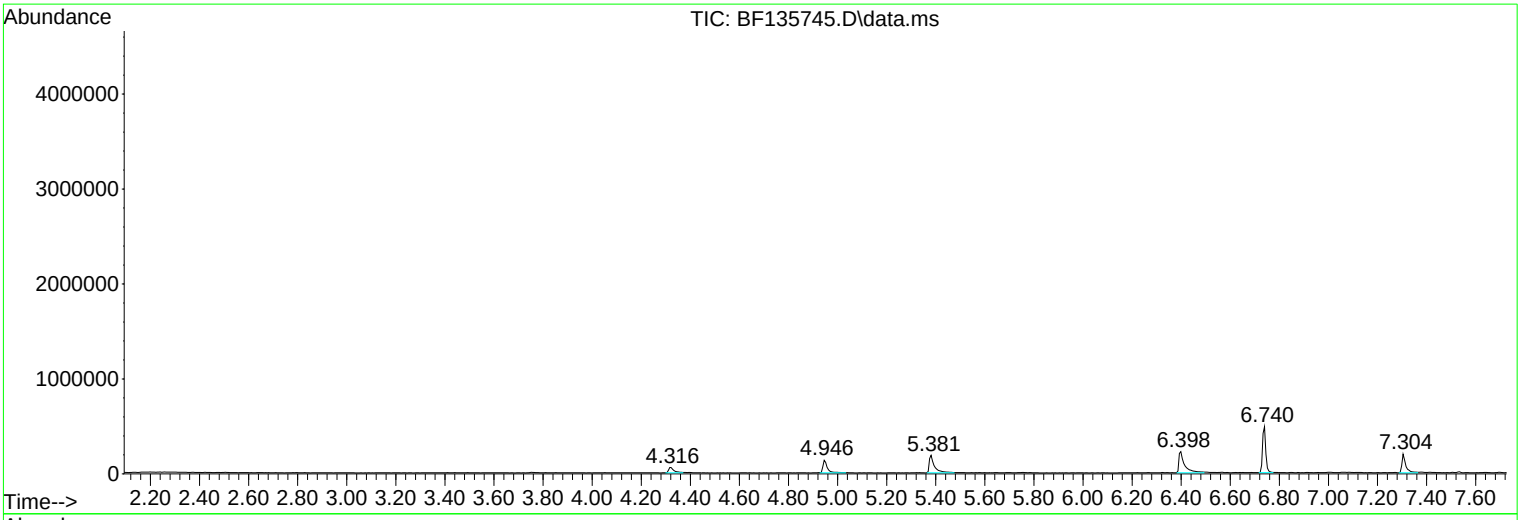
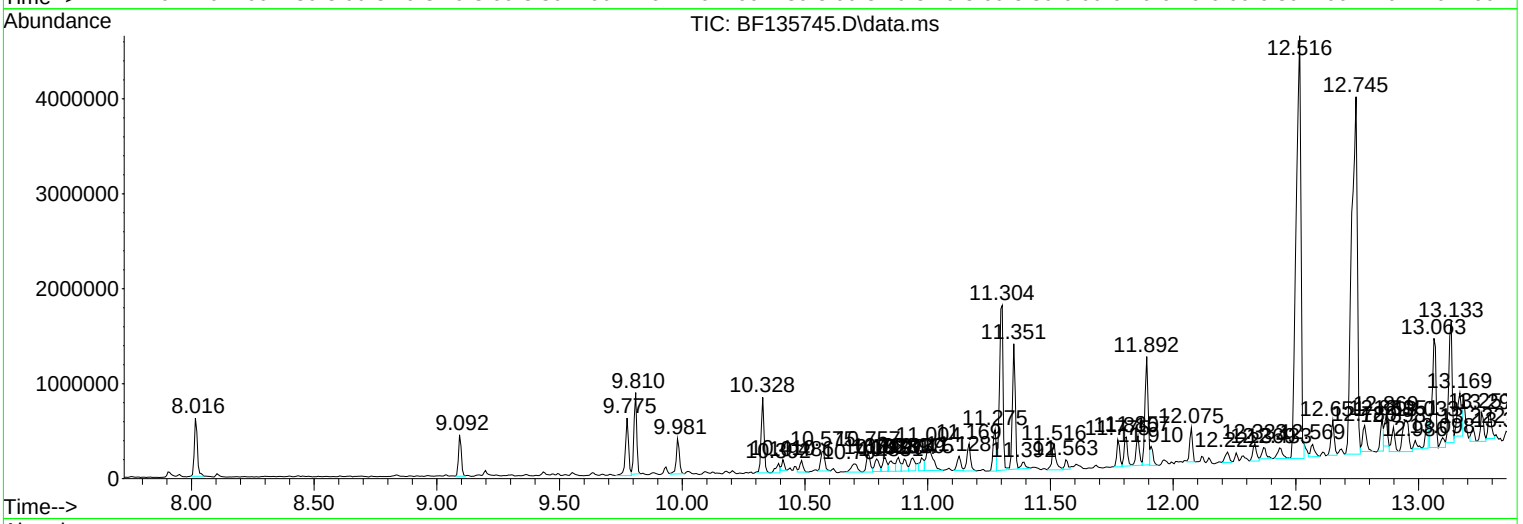
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

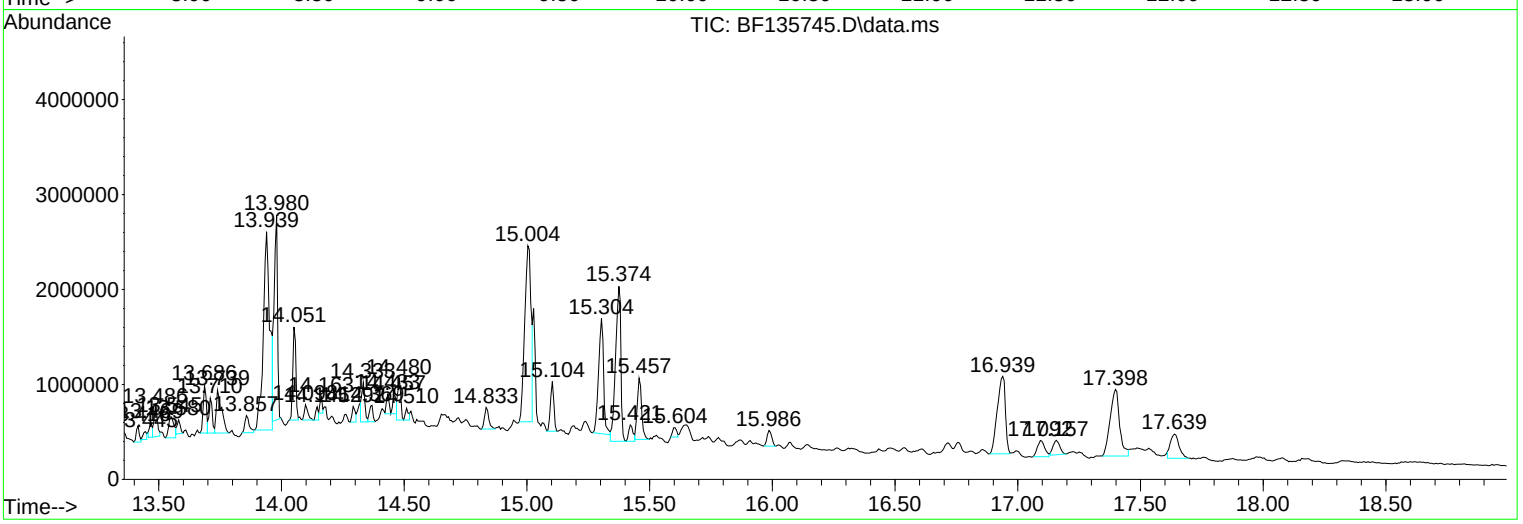
Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

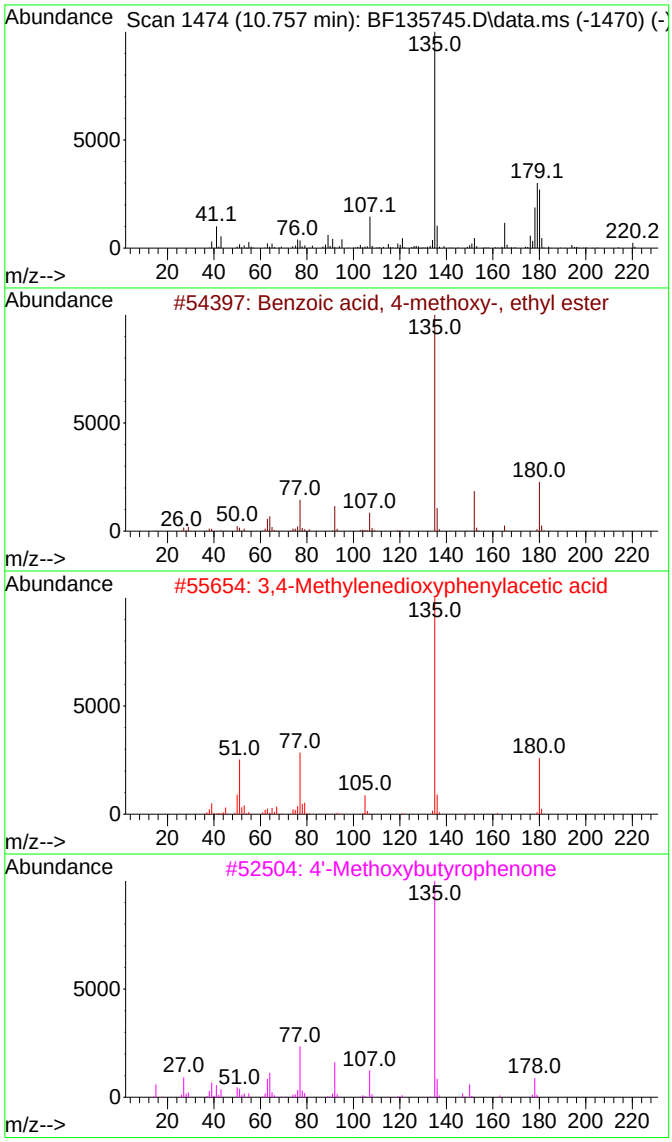
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

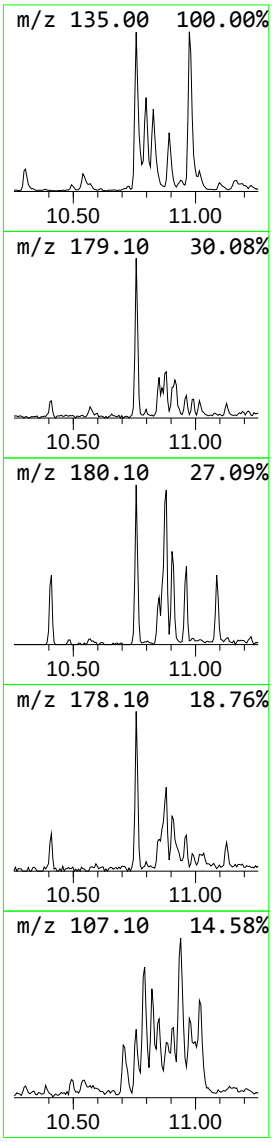
****

Peak Number 1 Benzoic acid, 4-methoxy-, e... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.757	10.81 ng	217470	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-methoxy-, ethyl ...	180	C10H12O3	000094-30-4	59
2	3,4-Methylenedioxyphenylacetic acid	180	C9H8O4	002861-28-1	50
3	4'-Methoxybutyrophenone	178	C11H14O2	004160-51-4	50
4	3,4-Methylenedioxyphenyl acetone	178	C10H10O3	004676-39-5	47
5	D-Alanine, N-(4-anisoyl)-, ethyl...	251	C13H17NO4	1000348-48-5	47





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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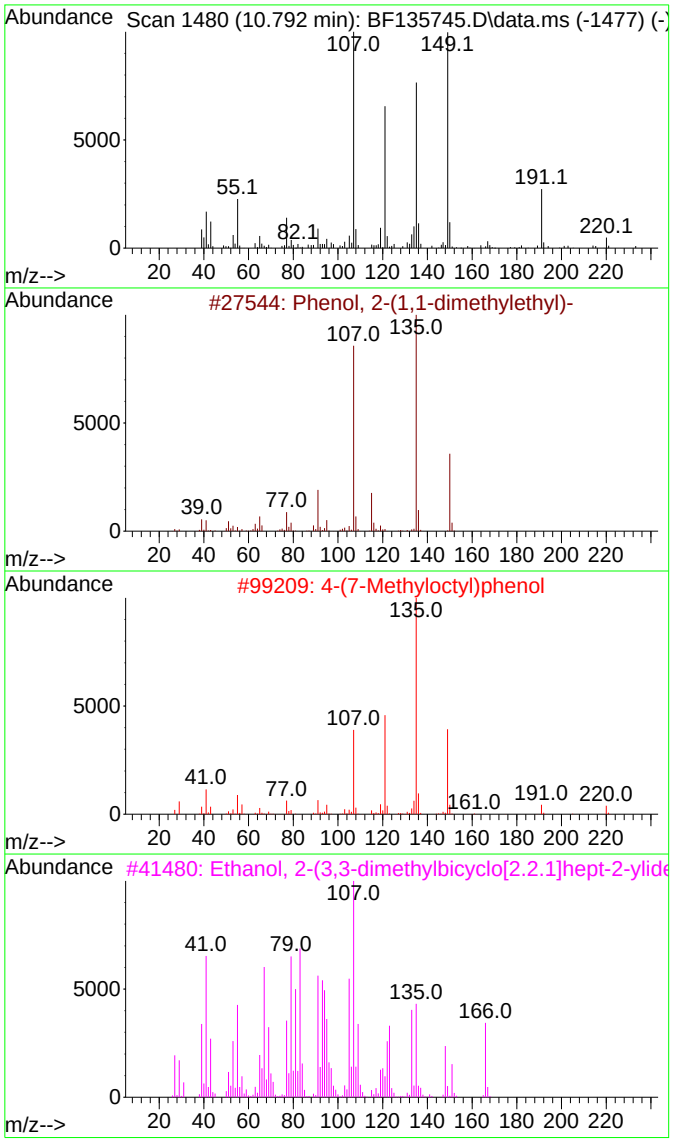
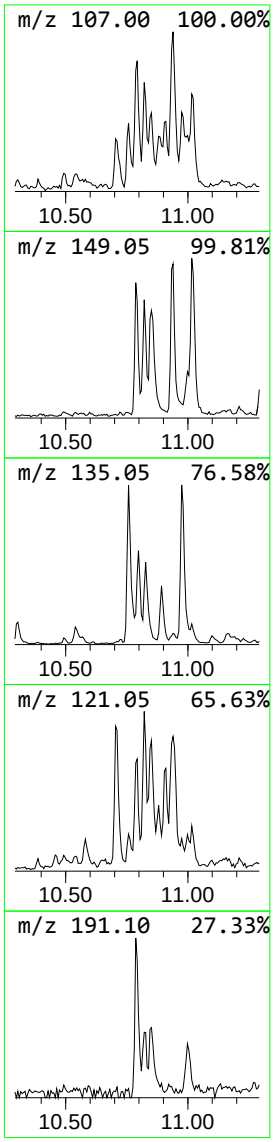
Peak Number 2 unknown10.792 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.792	8.93 ng	179658	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	49
2	4-(7-Methyloctyl)phenol	220	C15H24O	024518-48-7	38
3	Ethanol, 2-(3,3-dimethylbicyclo[...	166	C11H18O	002226-05-3	38
4	2,5-Cyclohexadiene, 1,4-diethyl-...	164	C12H20	1000150-21-6	35
5	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	30





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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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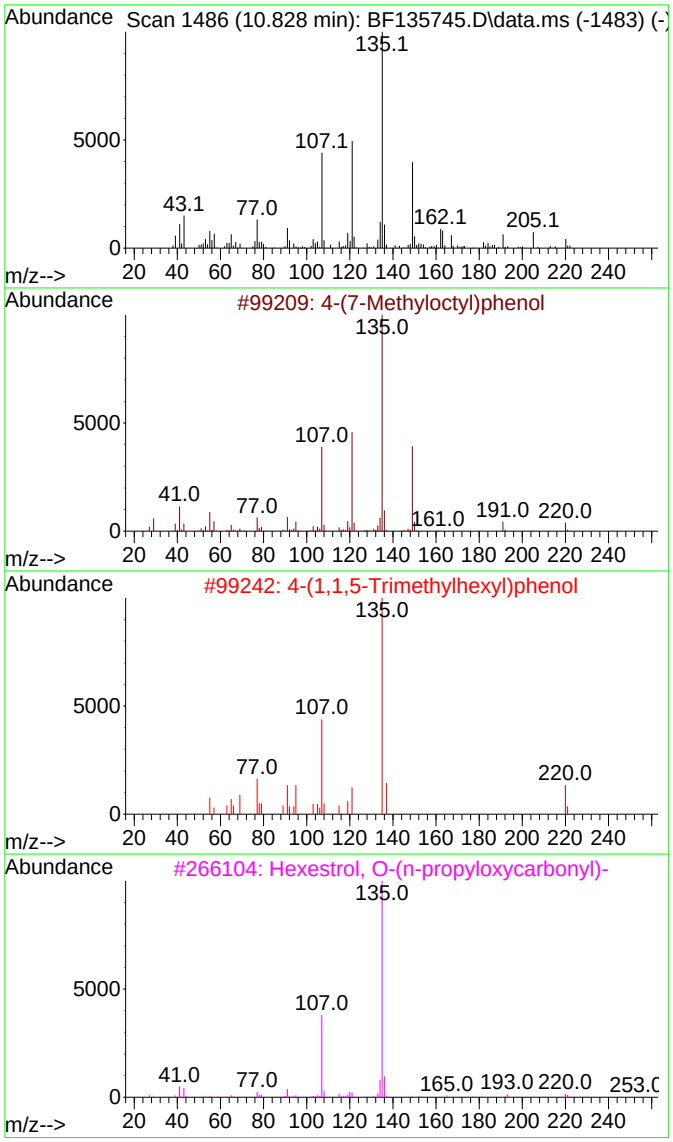
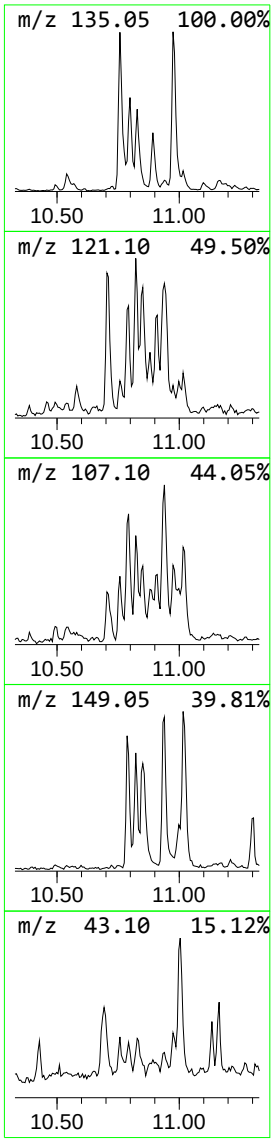
Peak Number 3 4-(7-Methyloctyl)phenol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.828	9.02 ng	181513	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(7-Methyloctyl)phenol	220	C15H24O	024518-48-7	94
2	4-(1,1,5-Trimethylhexyl)phenol	220	C15H24O	1000384-80-1	55
3	Hexestrol, O-(n-propyloxycarbonyl)-	356	C22H28O4	1000487-65-1	53
4	4-(1,1-Dimethylheptyl)phenol	220	C15H24O	1000384-80-3	53
5	meso-Hexestrol, O,O'-bis(n-propy...	442	C26H34O6	1000487-65-0	50





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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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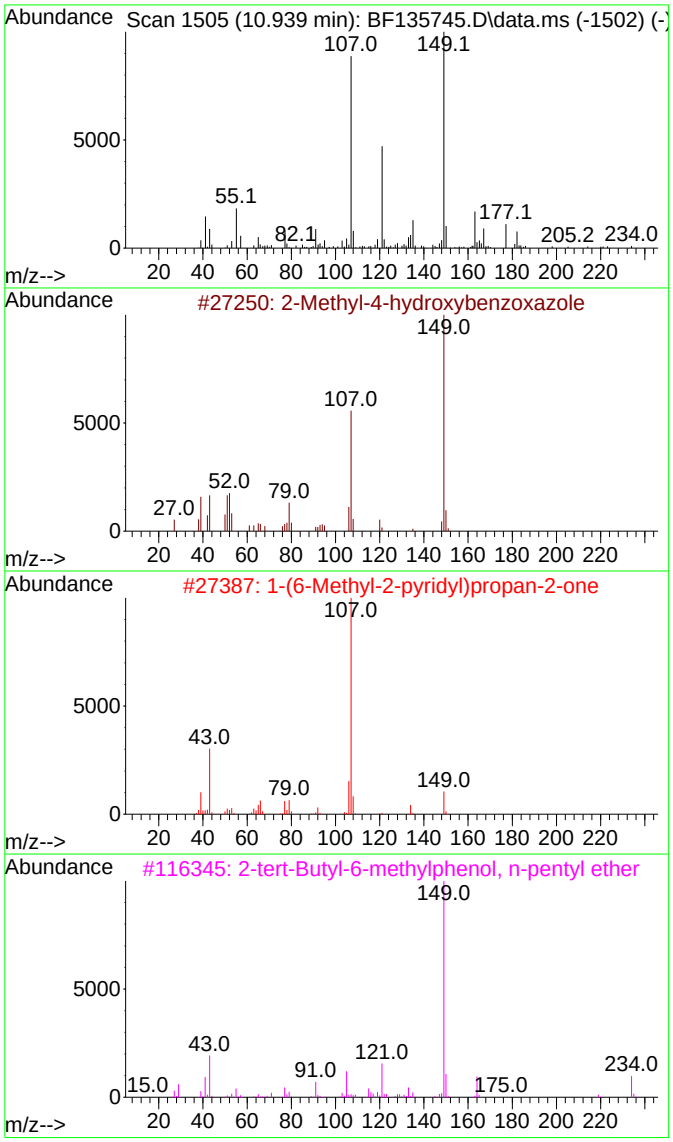
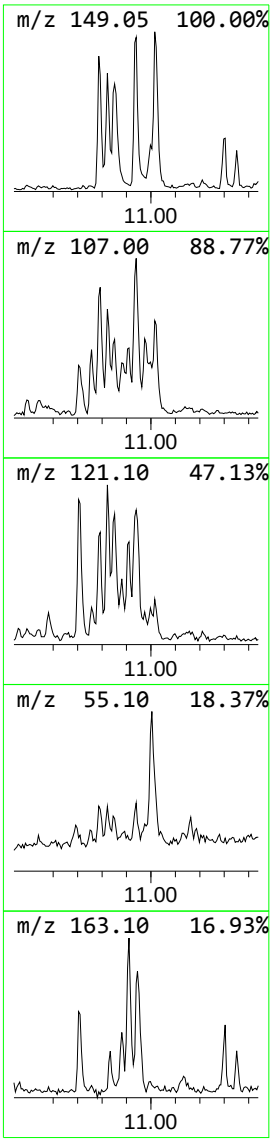
Peak Number 4 2-Methyl-4-hydroxybenzoxazole Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.939	9.04 ng	181933	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	59
2	1-(6-Methyl-2-pyridyl)propan-2-one	149	C9H11NO	065702-08-1	53
3	2-tert-Butyl-6-methylphenol, n-p...	234	C16H26O	1000395-18-9	35
4	4-Ethoxy-benzoic acid (4-chloro-...	302	C16H15ClN2O2	1000301-28-3	35
5	Phenol, 2-(1,1-dimethylethyl)-3-...	164	C11H16O	013037-79-1	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135745.D
Acq On : 12 Oct 2023 20:36
Operator : CG\JU
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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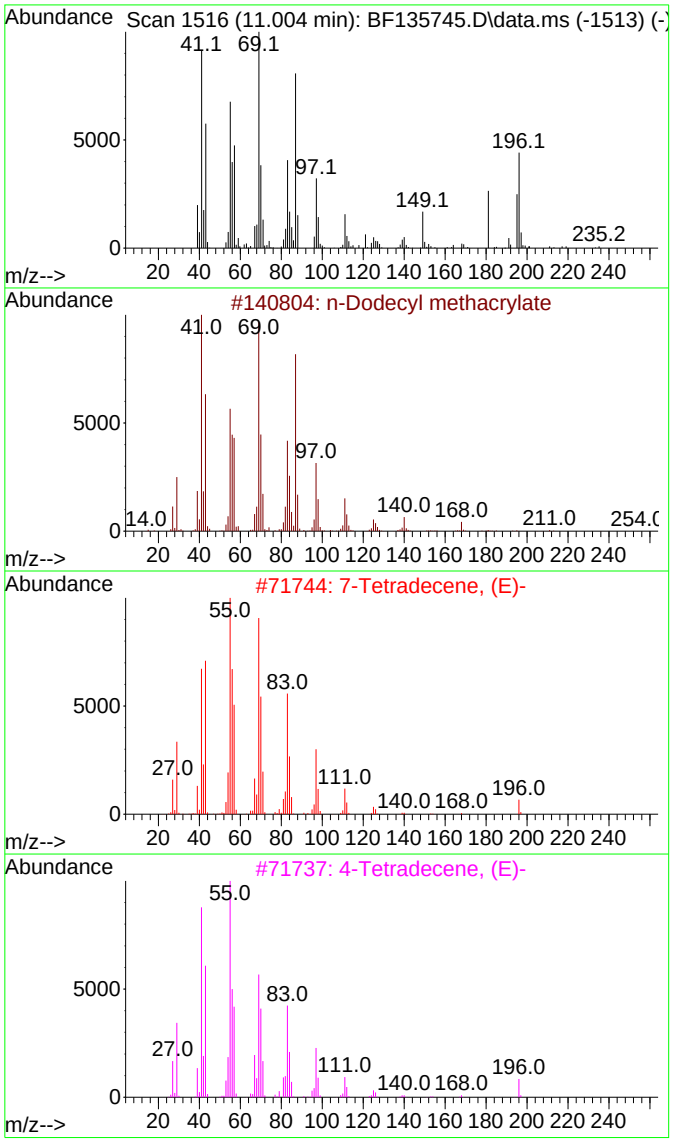
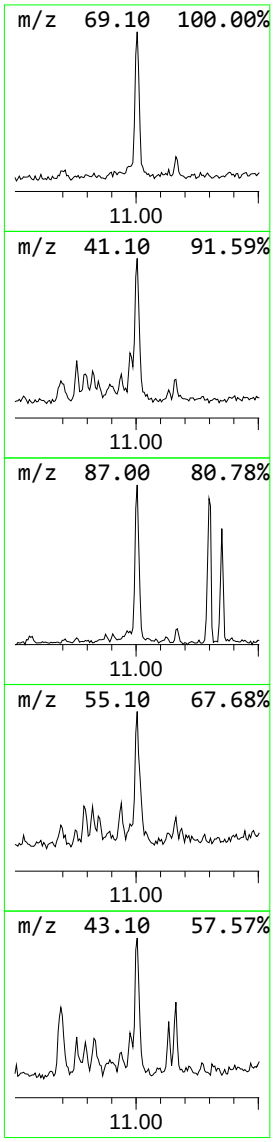
Peak Number 5 n-Dodecyl methacrylate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.004	22.51 ng	452732	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Dodecyl methacrylate	254	C16H30O2	000142-90-5	76
2	7-Tetradecene, (E)-	196	C14H28	041446-63-3	52
3	4-Tetradecene, (E)-	196	C14H28	041446-78-0	50
4	2-Acetoxytridecane	242	C15H30O2	1000245-61-2	46
5	5-Tetradecene, (E)-	196	C14H28	041446-66-6	38





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Operator : CG\JU
Sample : 04812-01 5X
Misc :
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BNA_F
ClientSampleId :
VNJ-223

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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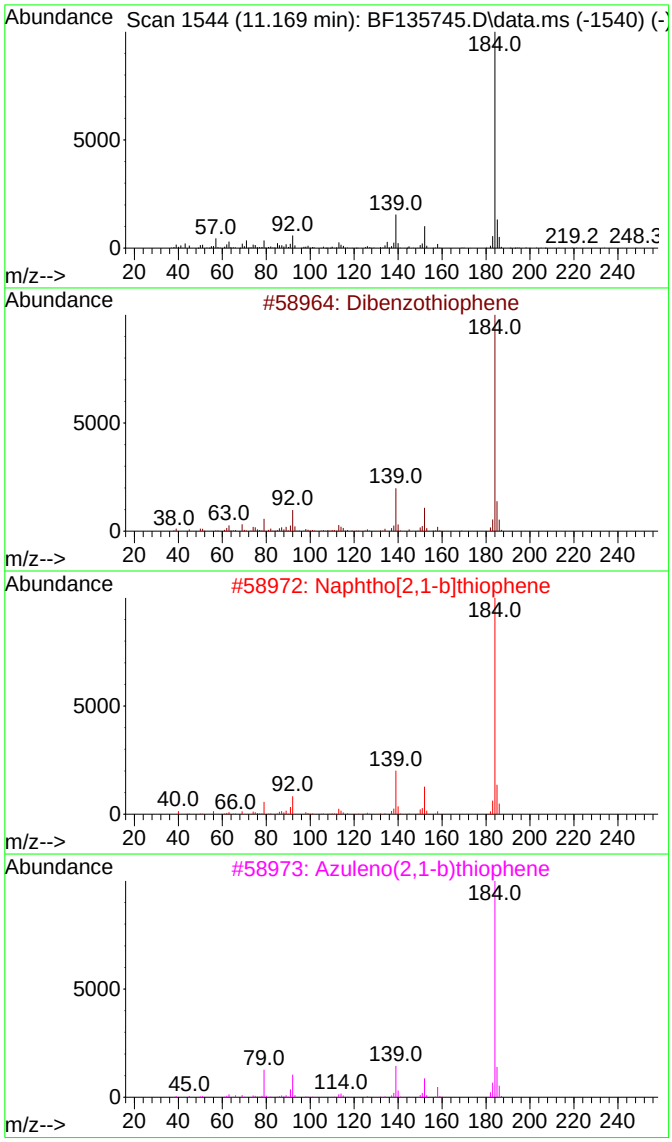
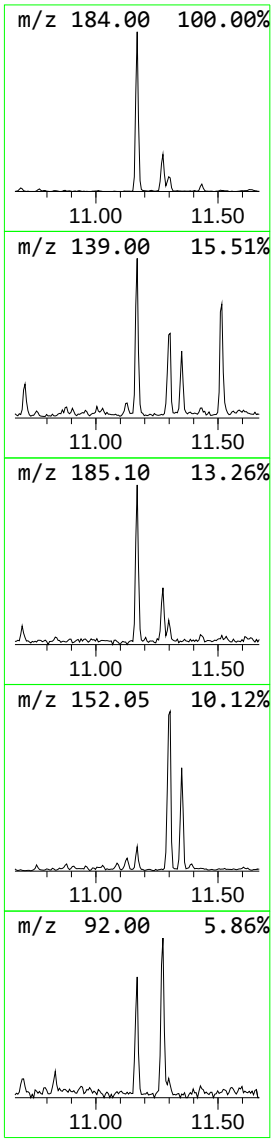
Peak Number 6 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	14.21 ng	285847	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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

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

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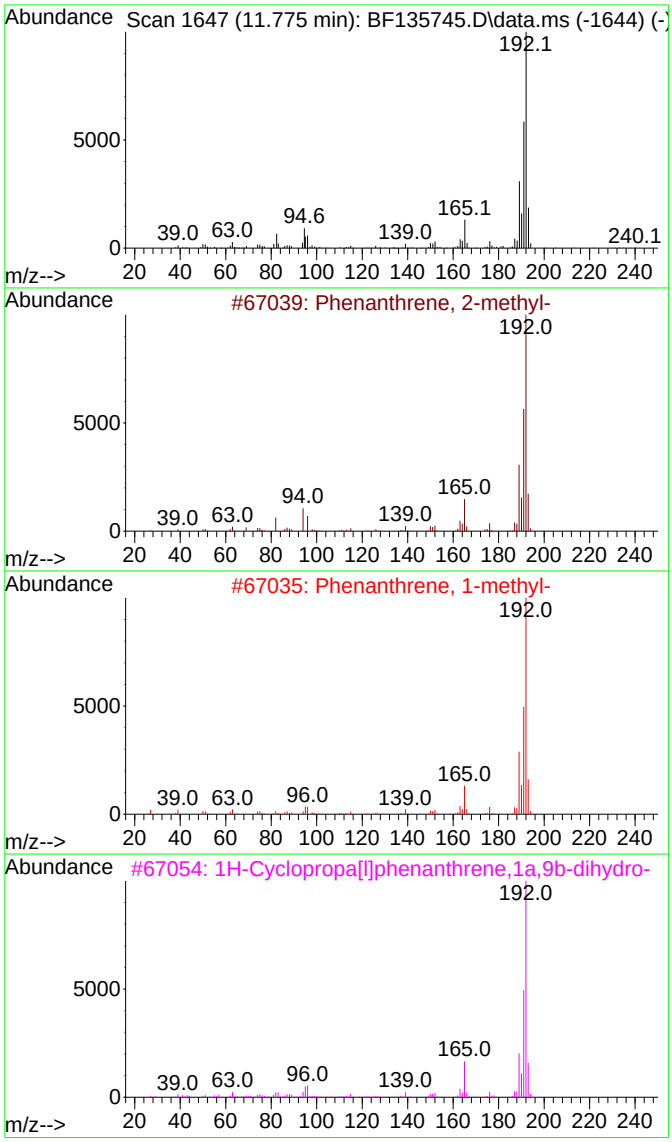
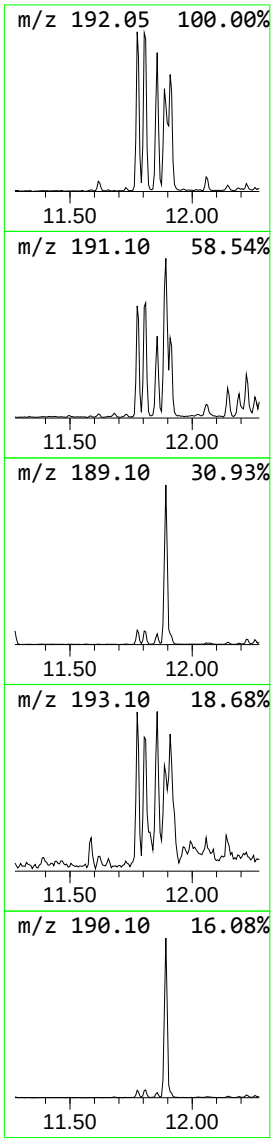
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	12.13 ng	244086	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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

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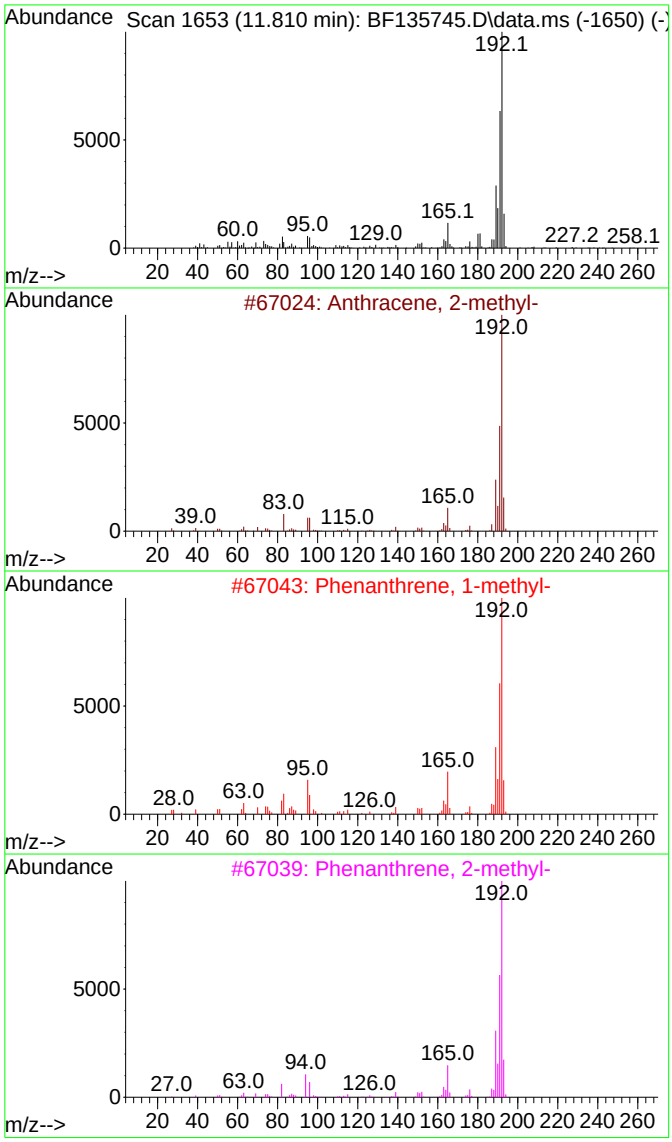
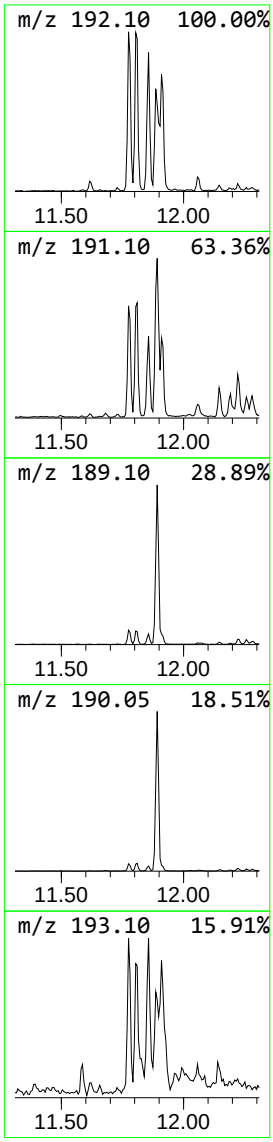
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	14.89 ng	299578	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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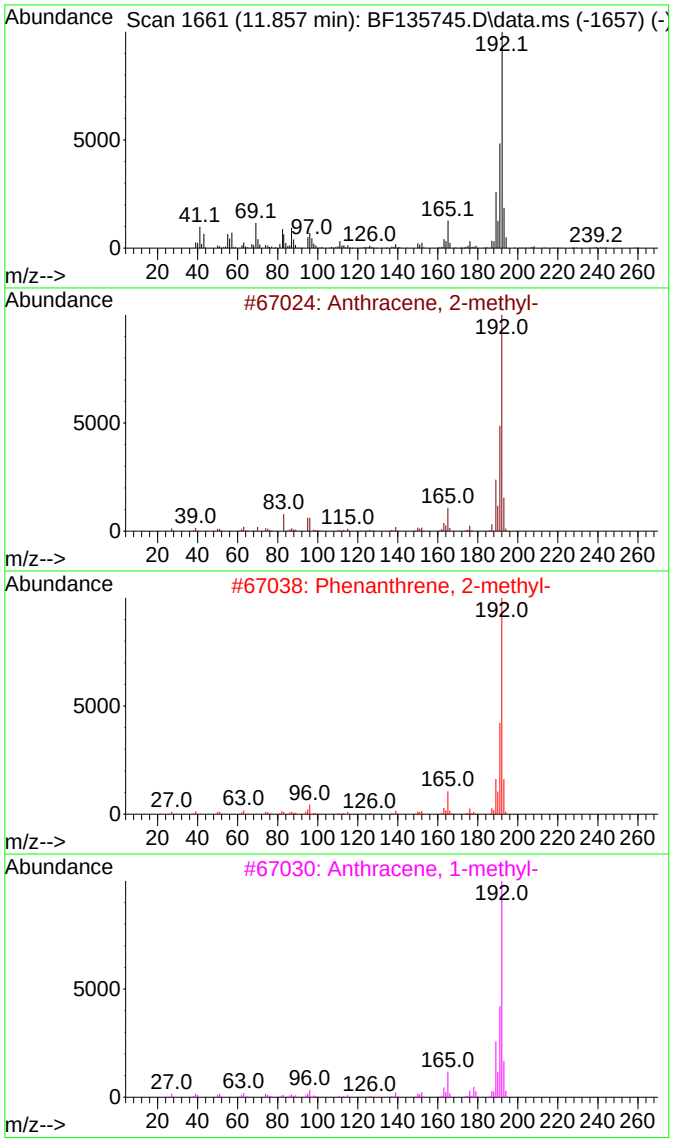
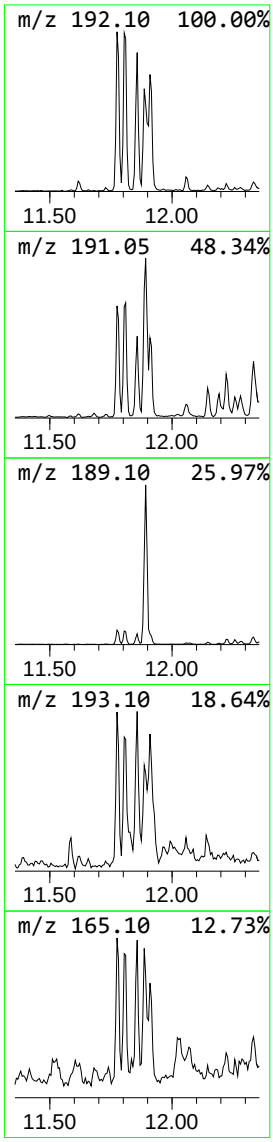
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	14.88 ng	299319	Phenanthrene-d10	11.275

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





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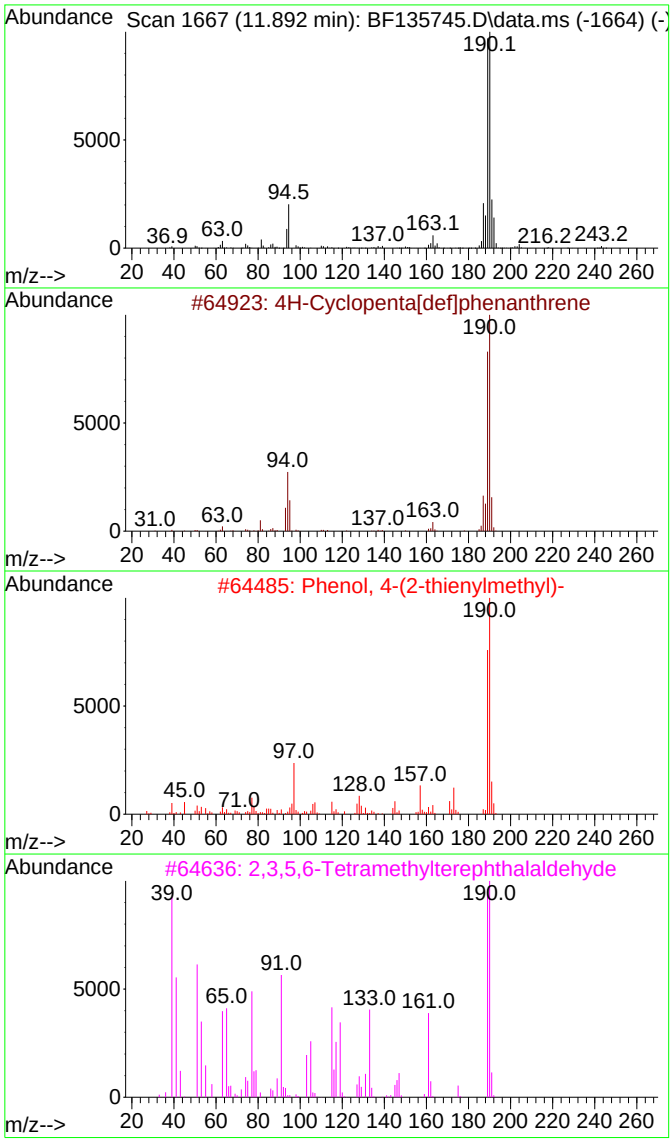
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

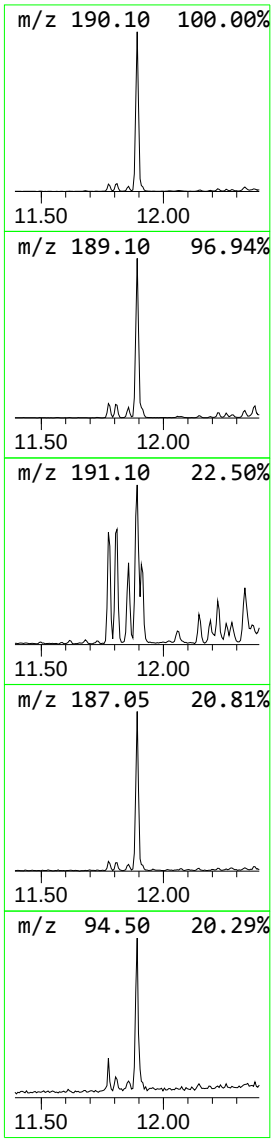
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	49.64 ng	998616	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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ALS Vial : 22 Sample Multiplier: 1

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

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

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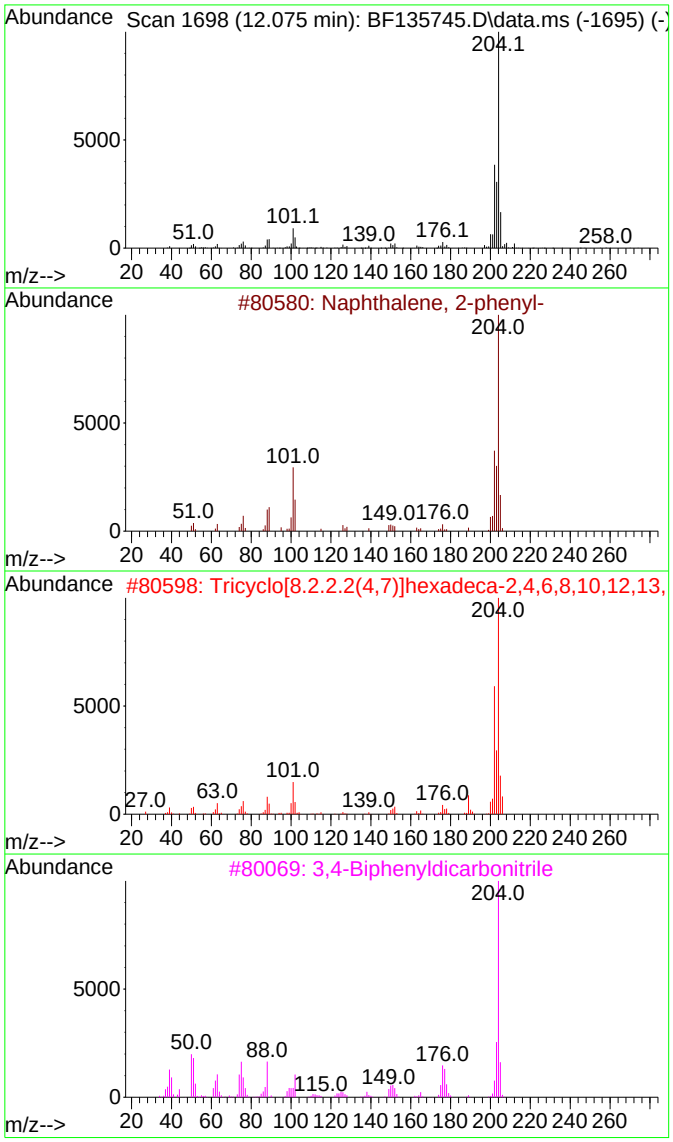
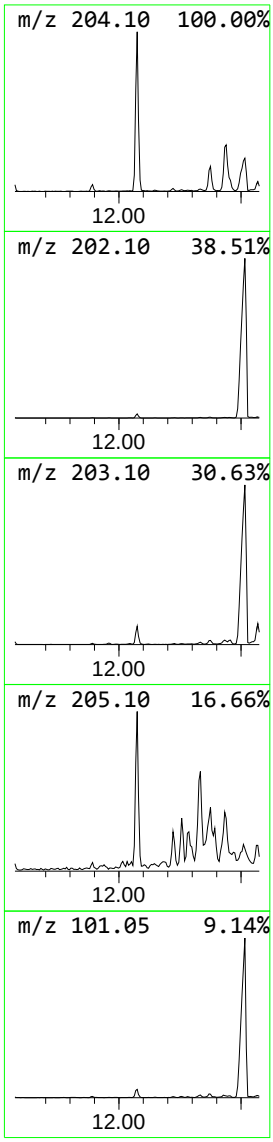
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.075	13.82 ng	277898	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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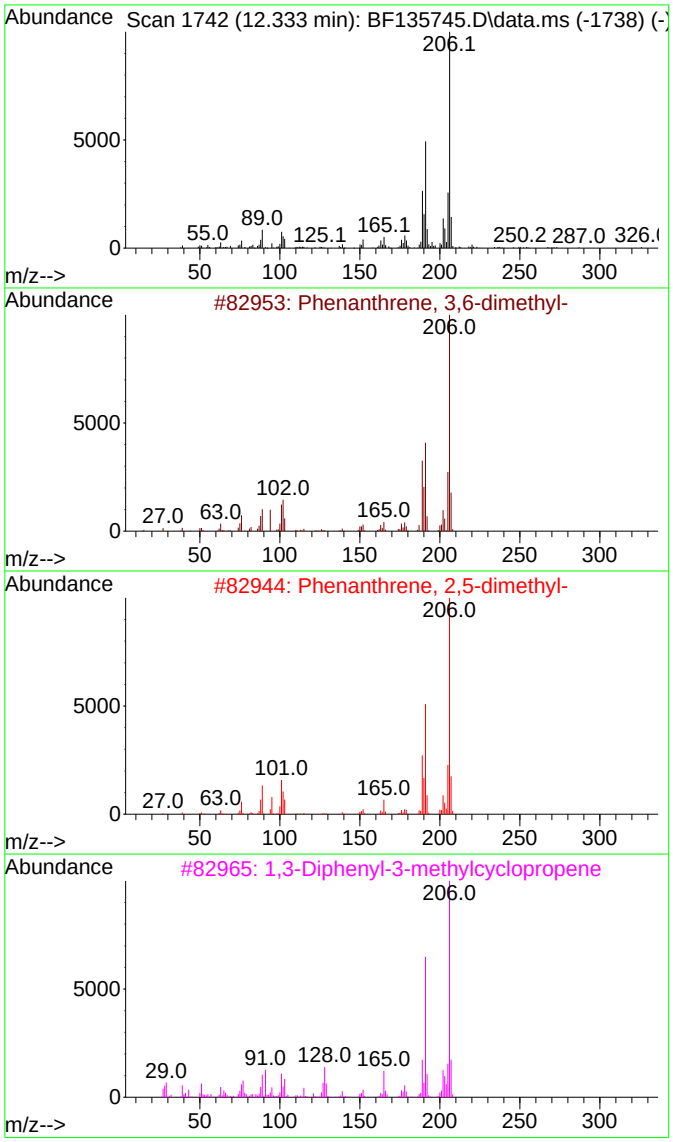
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

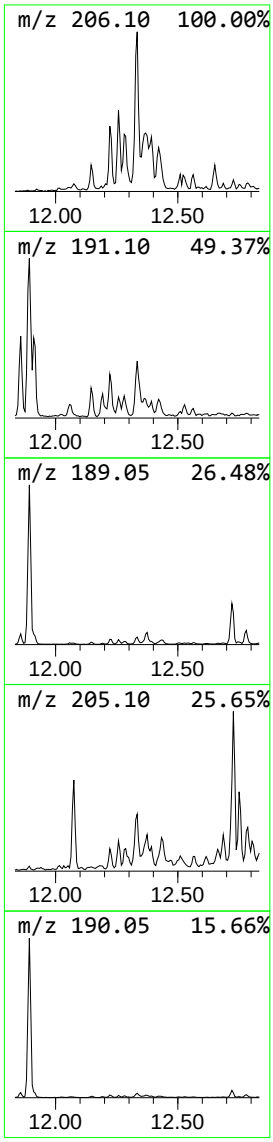
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	10.01 ng	201438	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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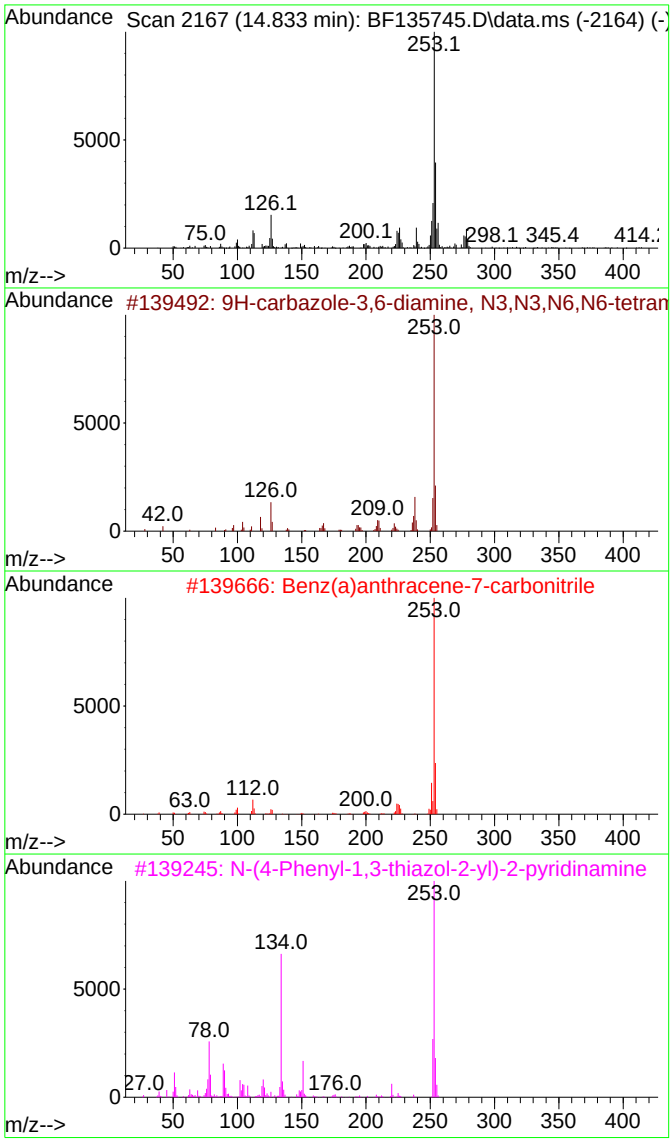
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

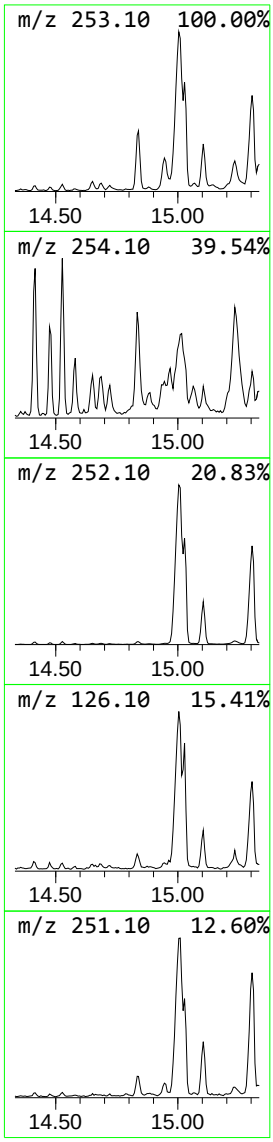
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9H-carbazole-3,6-diamine, N... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.833	25.16 ng	274069	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	50
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	49
3	N-(4-Phenyl-1,3-thiazol-2-yl)-2-...	253	C14H11N3S	1000485-04-5	49
4	3-(3-Fluorobenzyl)-6-methyl-2-pr...	282	C18H19FN2	1000457-96-1	45
5	2H-1,4-Benzothiazin-2-acetic aci...	253	C11H11NO2S2	002832-88-4	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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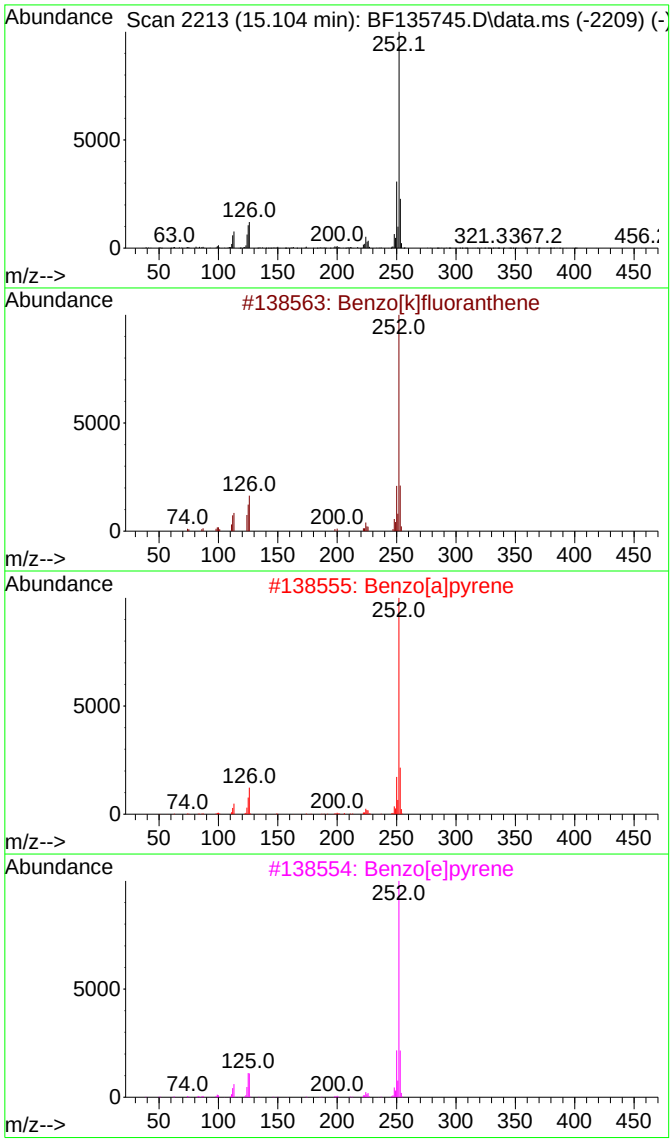
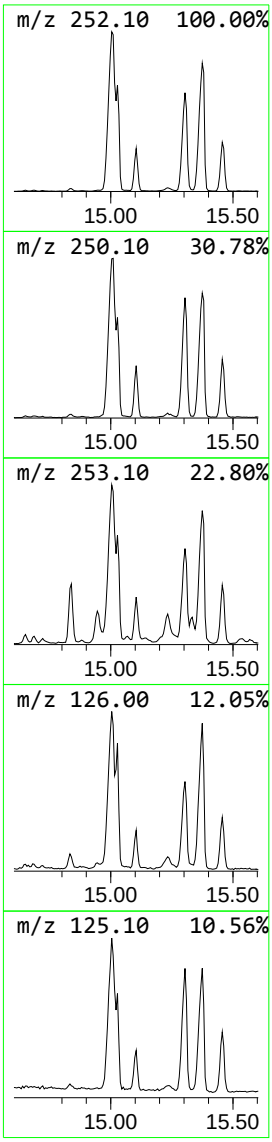
Peak Number 14 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	46.22 ng	503576	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[e]pyrene	252	C20H12	000192-97-2	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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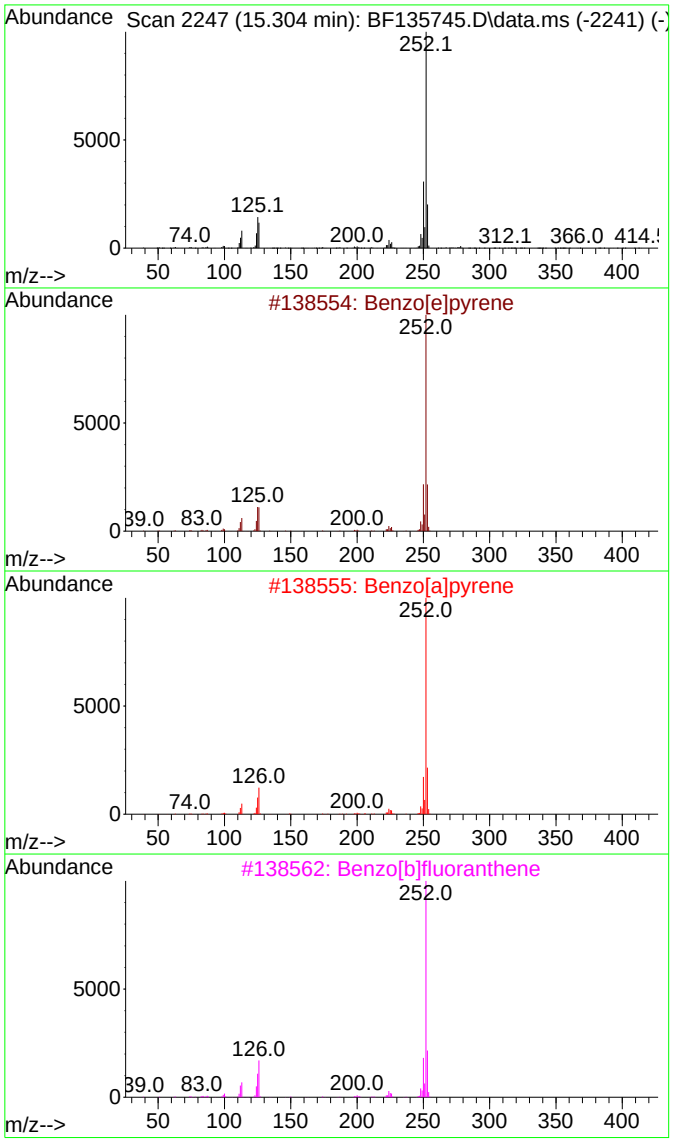
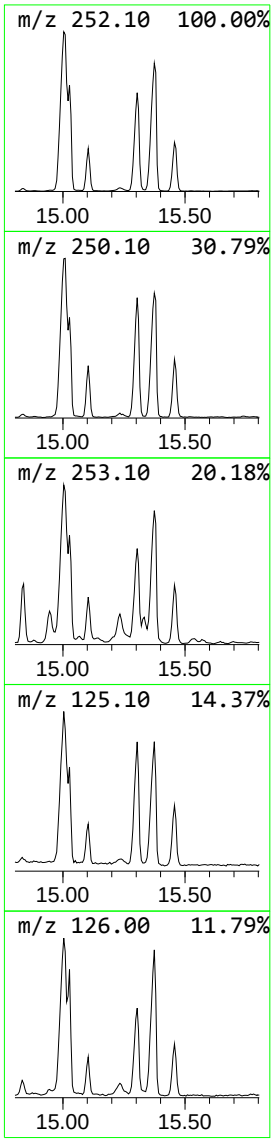
Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	158.12 ng	1722700	Perylene-d12	15.427

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[b]fluoranthene	252	C20H12	000205-99-2	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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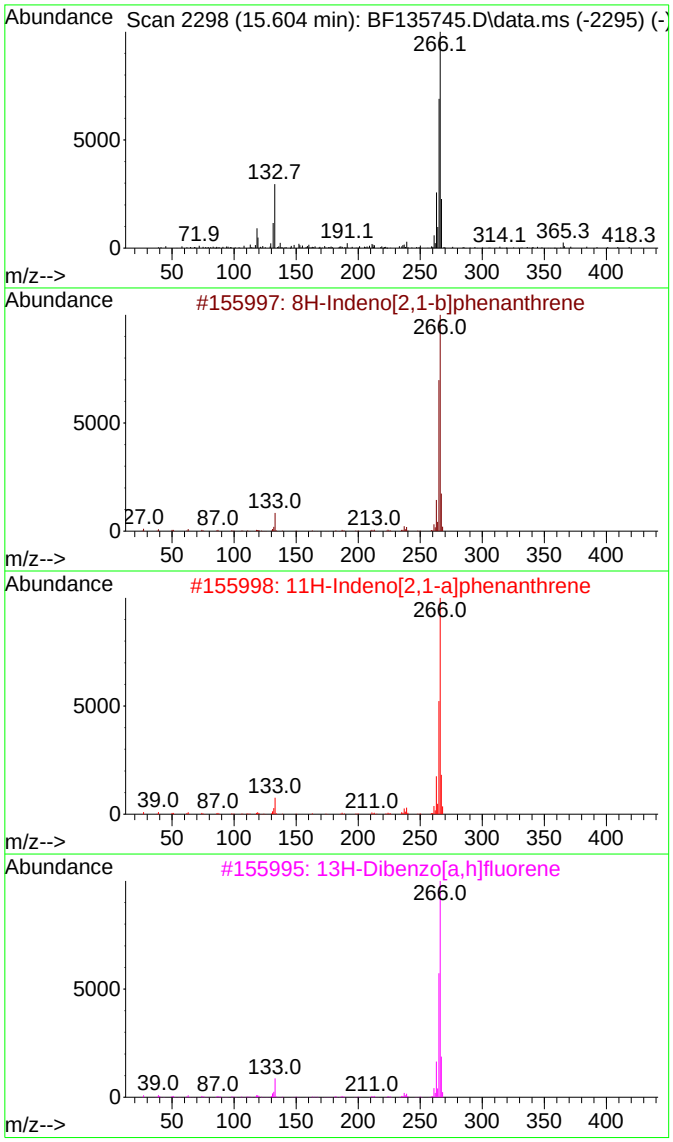
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

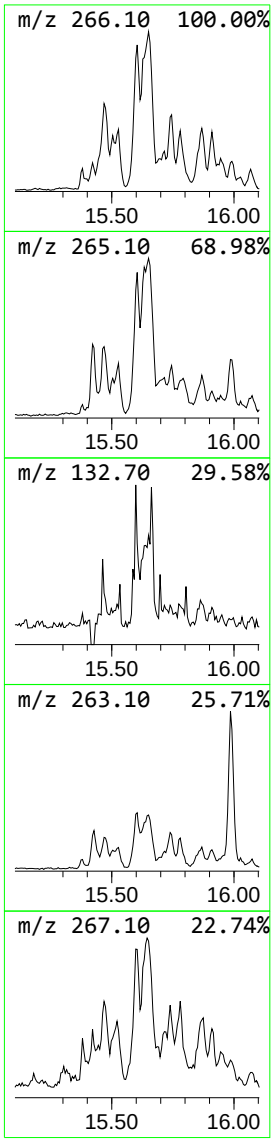
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 8H-Indeno[2,1-b]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.604	10.76 ng	117262	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	76
2	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	74
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	62
4	1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	53
5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	53





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Data File : BF135745.D
Acq On : 12 Oct 2023 20:36
Operator : CG\JU
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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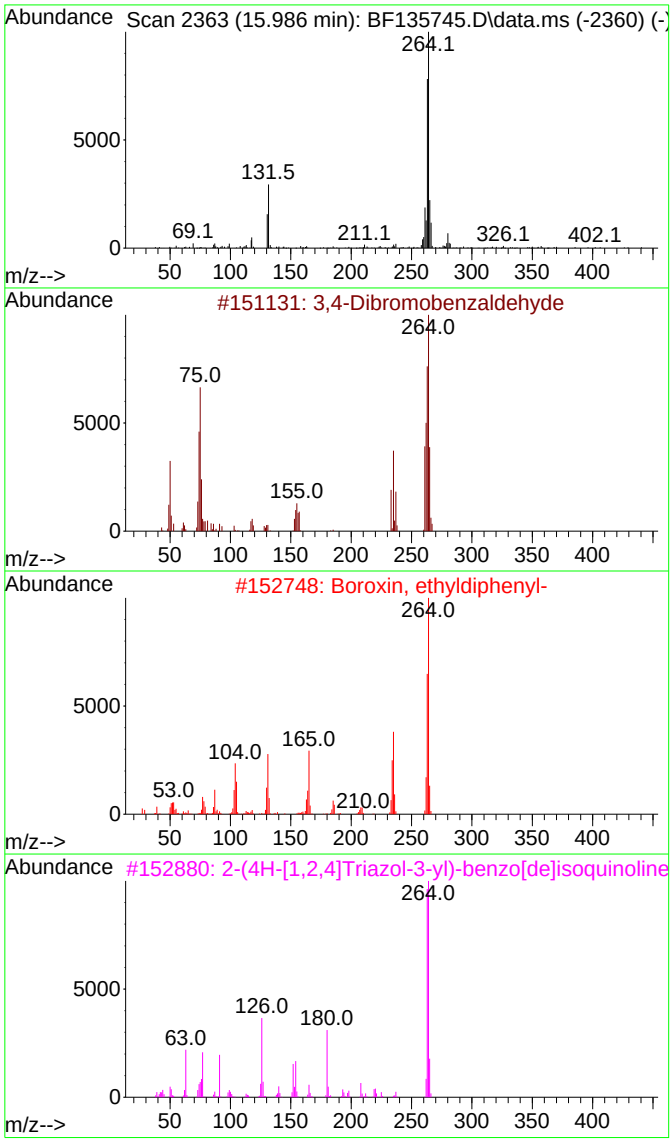
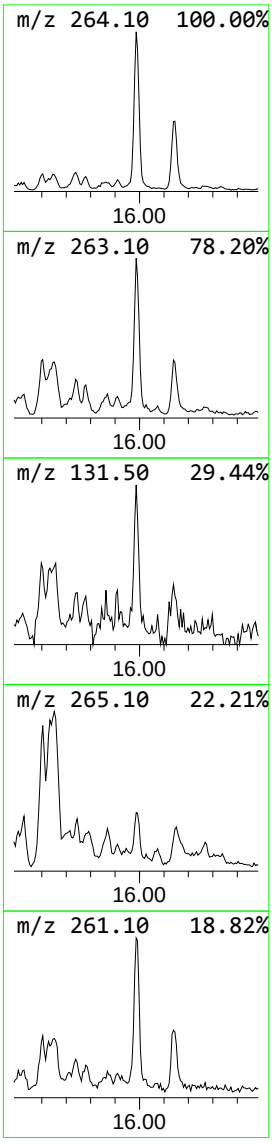
Peak Number 17 3,4-Dibromobenzaldehyde Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.986	19.94 ng	217245	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	64
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	59
4	1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	37
5	2-Naphthol, 1-(2-hydroxyphenyl)azo-	264	C16H12N2O2	1010196-48-4	27





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Data File : BF135745.D
Acq On : 12 Oct 2023 20:36
Operator : CG\JU
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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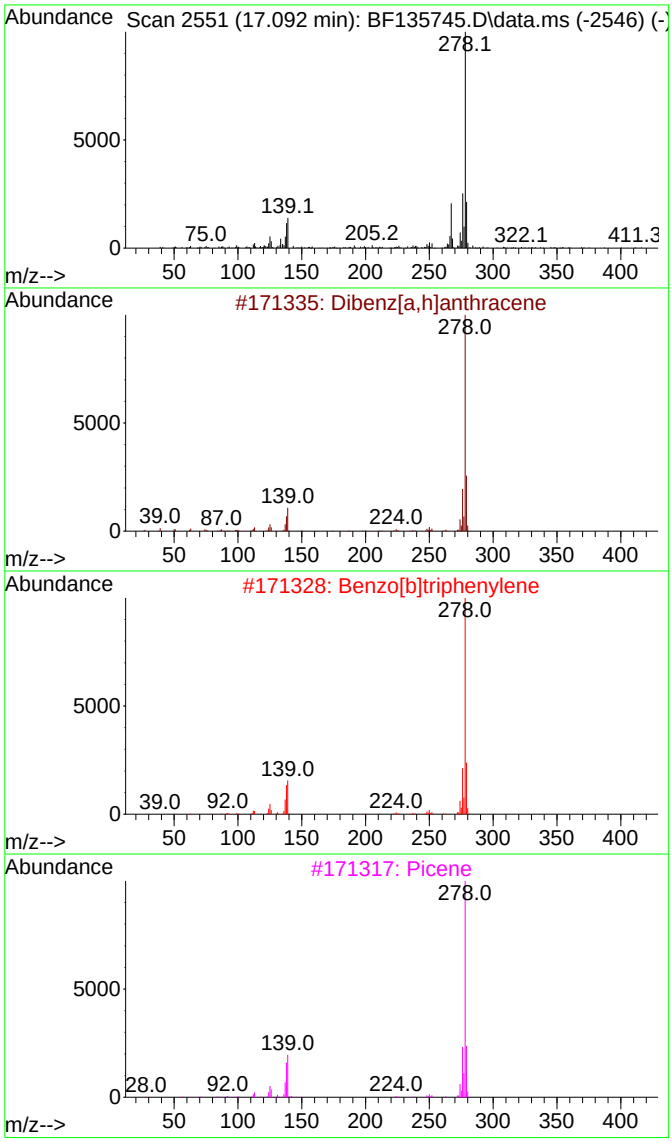
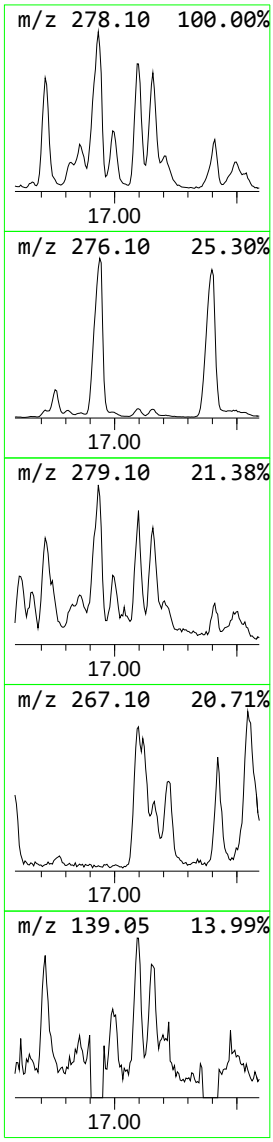
Peak Number 18 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	33.08 ng	360357	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Picene	278	C22H14	000213-46-7	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	97
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	96





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Data File : BF135745.D
Acq On : 12 Oct 2023 20:36
Operator : CG\JU
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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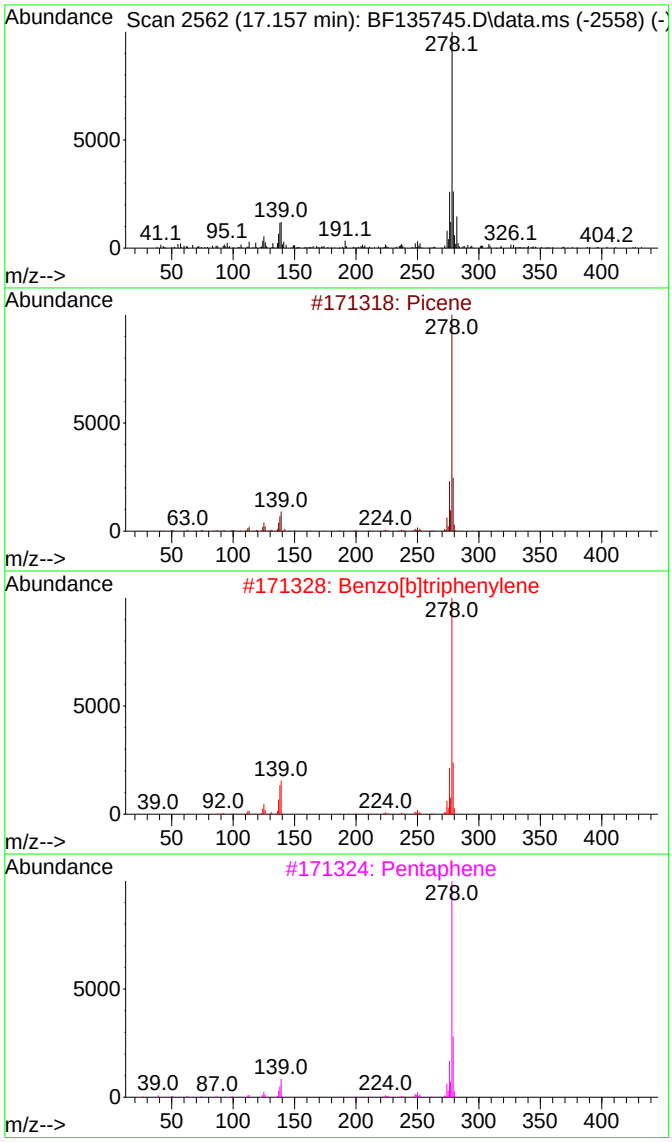
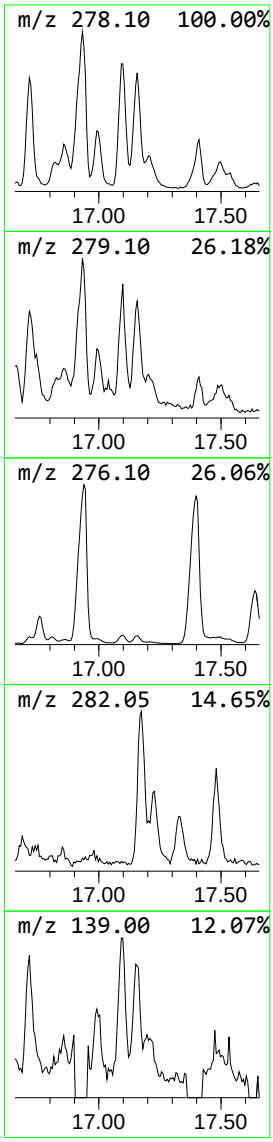
Peak Number 19 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.157	26.38 ng	287402	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
3	Pentaphene	278	C22H14	000222-93-5	94
4	Benzo[b]chrysene	278	C22H14	000214-17-5	94
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135745.D
Acq On : 12 Oct 2023 20:36
Operator : CG\JU
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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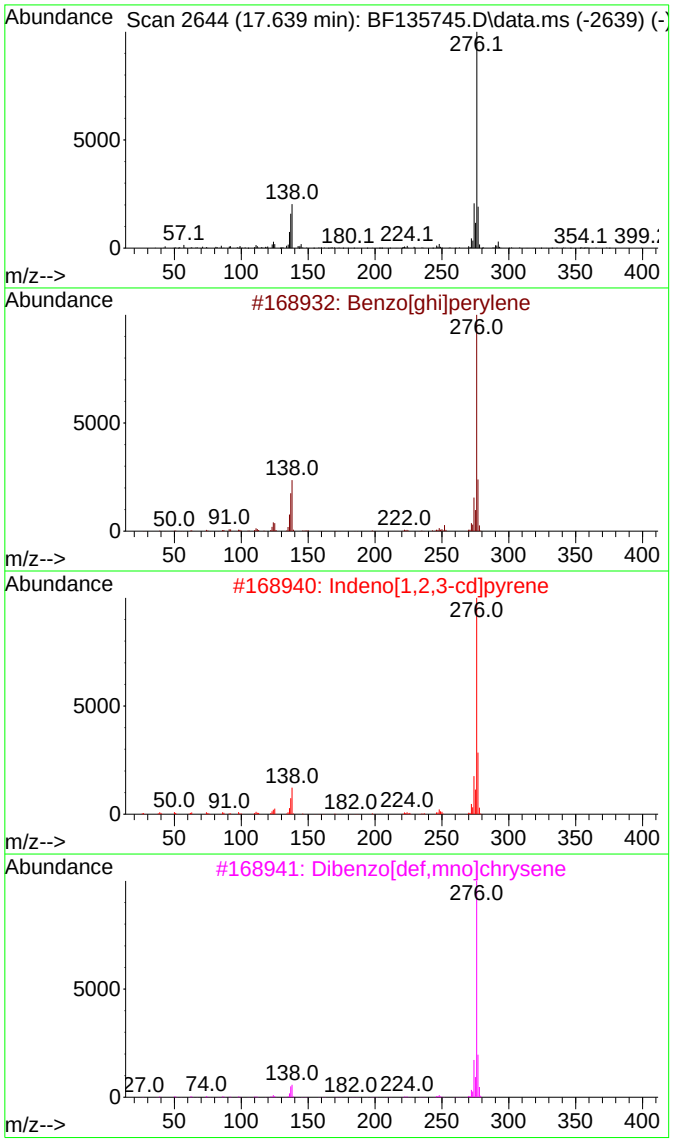
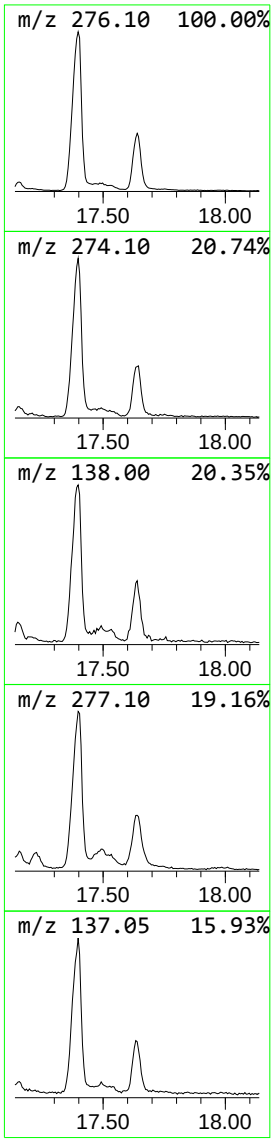
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.639	57.73 ng	629005	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	87
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59
5	1,3,5-Triazin-2-amine, N-isoprop...	276	C14H24N6	1000276-80-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135745.D
Acq On : 12 Oct 2023 20:36
Operator : CG\JU
Sample : 04812-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzoic acid, 4...	10.757	10.8	ng	217470	4	11.275	402310	20.0
unknown10.792	10.792	8.9	ng	179658	4	11.275	402310	20.0
4-(7-Methylocty...	10.828	9.0	ng	181513	4	11.275	402310	20.0
2-Methyl-4-hydr...	10.939	9.0	ng	181933	4	11.275	402310	20.0
n-Dodecyl metha...	11.004	22.5	ng	452732	4	11.275	402310	20.0
Dibenzothiophene	11.169	14.2	ng	285847	4	11.275	402310	20.0
Phenanthrene, 2...	11.775	12.1	ng	244086	4	11.275	402310	20.0
Anthracene, 2-m...	11.810	14.9	ng	299578	4	11.275	402310	20.0
Anthracene, 1-m...	11.857	14.9	ng	299319	4	11.275	402310	20.0
4H-Cyclopenta[d...	11.892	49.6	ng	998616	4	11.275	402310	20.0
Naphthalene, 2-...	12.075	13.8	ng	277898	4	11.275	402310	20.0
Phenanthrene, 3...	12.333	10.0	ng	201438	4	11.275	402310	20.0
9H-carbazole-3,...	14.833	25.2	ng	274069	6	15.427	217897	20.0
Benzo[e]pyrene	15.104	46.2	ng	503576	6	15.427	217897	20.0
Perylene	15.304	158.1	ng	1722700	6	15.427	217897	20.0
8H-Indeno[2,1-b...	15.604	10.8	ng	117262	6	15.427	217897	20.0
3,4-Dibromobenz...	15.986	19.9	ng	217245	6	15.427	217897	20.0
Benzo[b]triphen...	17.092	33.1	ng	360357	6	15.427	217897	20.0
Picene	17.157	26.4	ng	287402	6	15.427	217897	20.0
Dibenzo[def,mno...	17.639	57.7	ng	629005	6	15.427	217897	20.0