LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135743.D
Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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: BF135743.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.975	488	491	497	rBV	27826	40402	1.05%	0.094%
2	5.375	556	559	579	rBV	1178748	1414650	36.73%	3.279%
3	6.393	729	732	750	rBV	1373455	1399191	36.33%	3.243%
4	6.740	787	791	798	rBV	488215	415266	10.78%	0.962%
5	7.304	884	887	900	rBV	919874	822261	21.35%	1.906%
6	8.016	1005	1008	1011	rBV	598446	505485	13.12%	1.172%
7	8.040	1011	1012	1019	rVB	137535	86237	2.24%	0.200%
8	8.734	1127	1130	1136	rBV	75954	62781	1.63%	0.146%
9	8.828	1142	1146	1150	rBV	52785	52378	1.36%	0.121%
10	9.092	1187	1191	1195	rBV	1403701	1198789	31.12%	2.779%
11	9.434	1245	1249	1252	rBV	46166	49942	1.30%	0.116%
12	9.639	1280	1284	1287	rBV	167580	153913	4.00%	0.357%
13	9.775	1300	1307	1310	rBV	637556	525468	13.64%	1.218%
14	9.804	1310	1312	1319	rVB	337731	302831	7.86%	0.702%
15	9.981	1336	1342	1346	rBV	135258	126983	3.30%	0.294%
16	10.328	1398	1401	1407	rVB	265203	241935	6.28%	0.561%
17	10.575	1439	1443	1448	rBV	589406	592379	15.38%	1.373%
18	10.692	1458	1463	1470	rBV3	36702	71491	1.86%	0.166%
19	10.880	1491	1495	1497	rBV2	40874	48296	1.25%	0.112%
20	11.004	1512	1516	1519	rBV	205961	236672	6.14%	0.549%
21	11.080	1526	1529	1533	rBV	110055	106161	2.76%	0.246%
22	11.133	1533	1538	1541	rVV2	114136	110854	2.88%	0.257%
23	11.169	1541	1544	1547	rVB	162342	152762	3.97%	0.354%
24	11.275	1558	1562	1563	rBV	386612	377150	9.79%	0.874%
25	11.304	1563	1567	1570	rVV	2425820	2279398	59.18%	5.283%
26	11.351	1570	1575	1578	rVV	595486	539453	14.01%	1.250%
27	11.386	1578	1581	1586	rVB	44373	62112	1.61%	0.144%
28	11.510	1597	1602	1608	rBV2	389312	432571	11.23%	1.003%
29	11.563	1608	1611	1613	rVV	89714	76654	1.99%	0.178%
30	11.604	1616	1618	1624	rVB2	52541	63515	1.65%	0.147%
31	11.686	1629	1632	1636	rVB2	38766	48215	1.25%	0.112%
32	11.775	1644	1647	1650	rBV	246798	222894	5.79%	0.517%
33	11.804	1650	1652	1657	rVV	433703	415221	10.78%	0.962%
34	11.851	1657	1660	1663	rVV	182618	187426	4.87%	0.434%
35	11.886	1663	1666	1669	rVV	493286	515341	13.38%	1.194%
36	11.910	1669	1670	1676	rVB	187308	126058	3.27%	0.292%

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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	11.969	1676	1680	1682	rBV5	45430	53916	1.40%	0.125%
38	12.075	1695	1698	1702	rBV	211766	182554	4.74%	0.423%
39	12.116	1702	1705	1708	rVB	339292	294103	7.64%	0.682%
40	12.257	1726	1729	1731	rBV	55800	46956	1.22%	0.109%
41	12.280	1731	1733	1737	rVB3	49237	42434	1.10%	0.098%
42	12.327	1738	1741	1744	rBV	151160	168391	4.37%	0.390%
43	12.369	1744	1748	1750	rVV2	92660	105380	2.74%	0.244%
44	12.392	1750	1752	1754	rVB2	62476	48394	1.26%	0.112%
45	12.433	1754	1759	1762	rBV2	187565	209348	5.44%	0.485%
46	12.510	1766	1772	1775	rBV	3236321	3696419	95.97%	8.567%
47	12.563	1779	1781	1784	rVB2	82994	73308	1.90%	0.170%
48	12.592	1784	1786	1791	rBV	107007	109007	2.83%	0.253%
49	12.645	1792	1795	1798	rBV	241161	212931	5.53%	0.494%
50	12.680	1798	1801	1804	rVB2	55158	63919	1.66%	0.148%
51	12.739	1804	1811	1814	rBV	2974683	3851551	100.00%	8.927%
52	12.774	1814	1817	1822	rVB2	129974	156590	4.07%	0.363%
53	12.869	1826	1833	1835	rBV2	809854	887428	23.04%	2.057%
54	12.892	1835	1837	1842	rVB	210097	196236	5.09%	0.455%
55	12.951	1842	1847	1850	rBV2	187462	316765	8.22%	0.734%
56	12.986	1850	1853	1857	rVB2	89041	100412	2.61%	0.233%
57	13.033	1857	1861	1862	rBV2	167595	183257	4.76%	0.425%
58	13.057	1863	1865	1868	rVB	366596	351084	9.12%	0.814%
59	13.122	1874	1876	1879	rVB	248099	202072	5.25%	0.468%
60	13.163	1879	1883	1890	rBV3	311744	407192	10.57%	0.944%
61	13.216	1890	1892	1896	rBV3	52193	56744	1.47%	0.132%
62	13.257	1896	1899	1901	rVB2	186053	158459	4.11%	0.367%
63	13.286	1901	1904	1907	rBV	195107	182128	4.73%	0.422%
64	13.439	1927	1930	1932	rBV3	40903	52964	1.38%	0.123%
65	13.580	1951	1954	1957	rVB	282363	238701	6.20%	0.553%
66	13.686	1967	1972	1974	rBV2	375450	419602	10.89%	0.973%
67	13.710	1974	1976	1978	rVB	241521	192978	5.01%	0.447%
68	13.739	1978	1981	1982	rBV	259909	246245	6.39%	0.571%
69	13.792	1988	1990	1995	rVB	314779	291048	7.56%	0.675%
70	13.857	1995	2001	2007	rBV	151356	333670	8.66%	0.773%
71	13.933	2007	2014	2018	rVV4	1856773	3174943	82.43%	7.359%
72	13.969	2018	2020	2023	rVV	1635904	1479852	38.42%	3.430%
73	14.021	2027	2029	2030	rBV	57588	41846	1.09%	0.097%
74	14.045	2030	2033	2036	rVV	436629	350913	9.11%	0.813%
75	14.098	2039	2042	2047	rVV4	142953	186266	4.84%	0.432%
76	14.139	2047	2049	2050	rVV	75575	57794	1.50%	0.134%

LSC Area Percent Report

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Acq On : 12 Oct 2023 19:35
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Instrument : BNA_F
ClientSampleId : V-2(0-2IN)

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.174	2053	2055	2058	rVB	141532	106117	2.76%	0.246%
78	14.292	2072	2075	2077	rBV2	92094	112010	2.91%	0.260%
79	14.327	2079	2081	2084	rVV	308989	269264	6.99%	0.624%
80	14.363	2084	2087	2089	rVV	149423	124844	3.24%	0.289%
81	14.404	2089	2094	2096	rVV4	83081	142096	3.69%	0.329%
82	14.427	2096	2098	2100	rVB	107063	69048	1.79%	0.160%
83	14.451	2100	2102	2104	rBV	172243	166561	4.32%	0.386%
84	14.474	2104	2106	2109	rVB	179697	147599	3.83%	0.342%
85	14.504	2109	2111	2112	rBV2	80930	63434	1.65%	0.147%
86	14.657	2135	2137	2144	rVB4	118806	149094	3.87%	0.346%
87	14.827	2163	2166	2173	rBV2	161603	187553	4.87%	0.435%
88	14.992	2189	2194	2197	rBV	1316023	2183821	56.70%	5.062%
89	15.092	2208	2211	2215	rBV	280880	308815	8.02%	0.716%
90	15.180	2223	2226	2228	rBV2	76897	112633	2.92%	0.261%
91	15.292	2240	2245	2251	rVB	777922	995231	25.84%	2.307%
92	15.357	2251	2256	2262	rVB	1054121	1433007	37.21%	3.321%
93	15.415	2262	2266	2268	rBV	189904	216409	5.62%	0.502%
94	15.445	2268	2271	2278	rVB	339918	452379	11.75%	1.049%
95	15.845	2336	2339	2345	rVB3	97476	145683	3.78%	0.338%
96	16.486	2444	2448	2450	rBV3	66299	95070	2.47%	0.220%
97	16.915	2514	2521	2529	rBV	543901	1072379	27.84%	2.486%
98	17.086	2546	2550	2555	rBV	83218	125744	3.26%	0.291%
99	17.368	2592	2598	2607	rVB	363100	804456	20.89%	1.865%
100	17.615	2637	2640	2652	rVB3	75905	174742	4.54%	0.405%

Sum of corrected areas: 43144924

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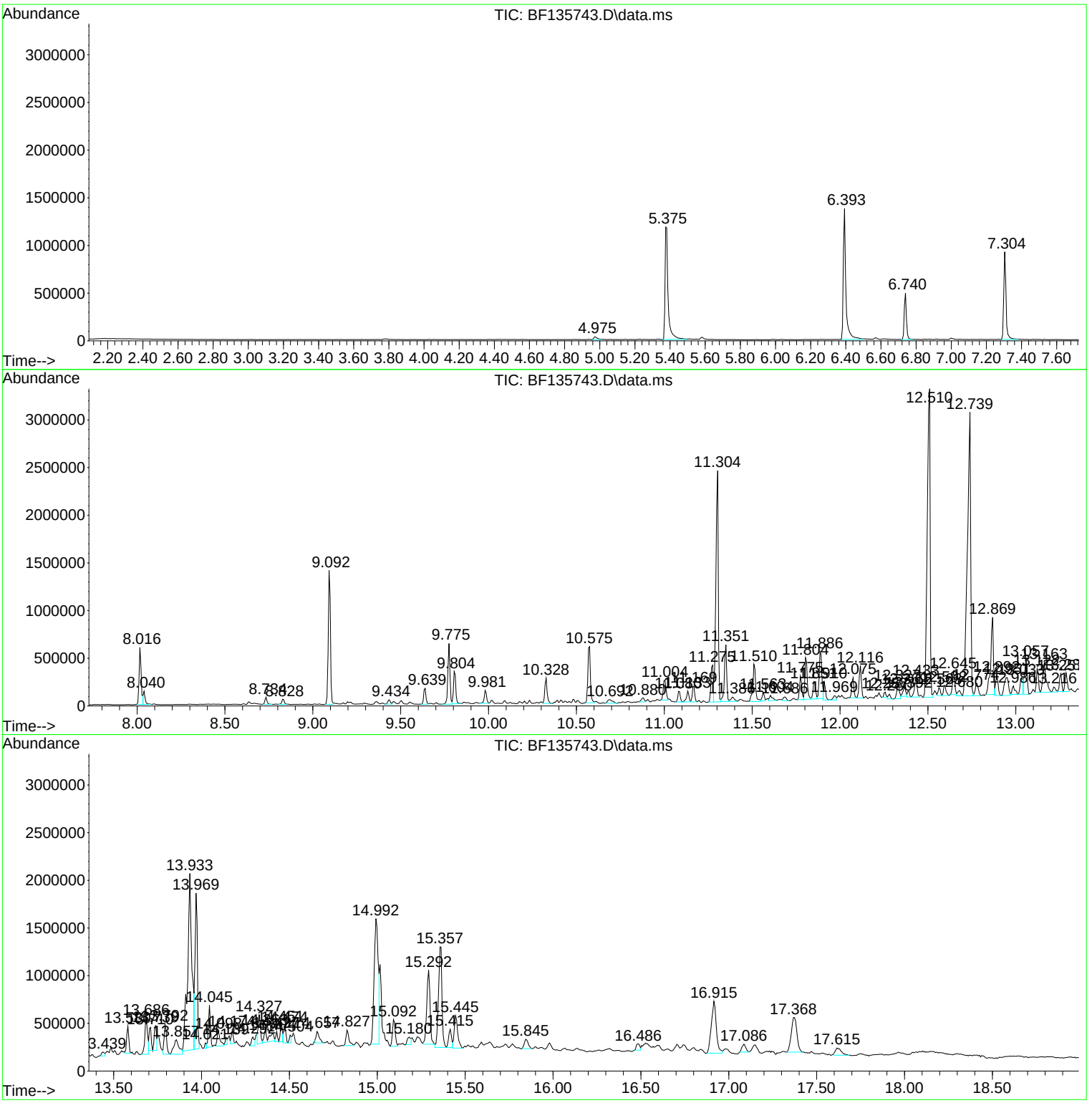
V-2(0-2IN)

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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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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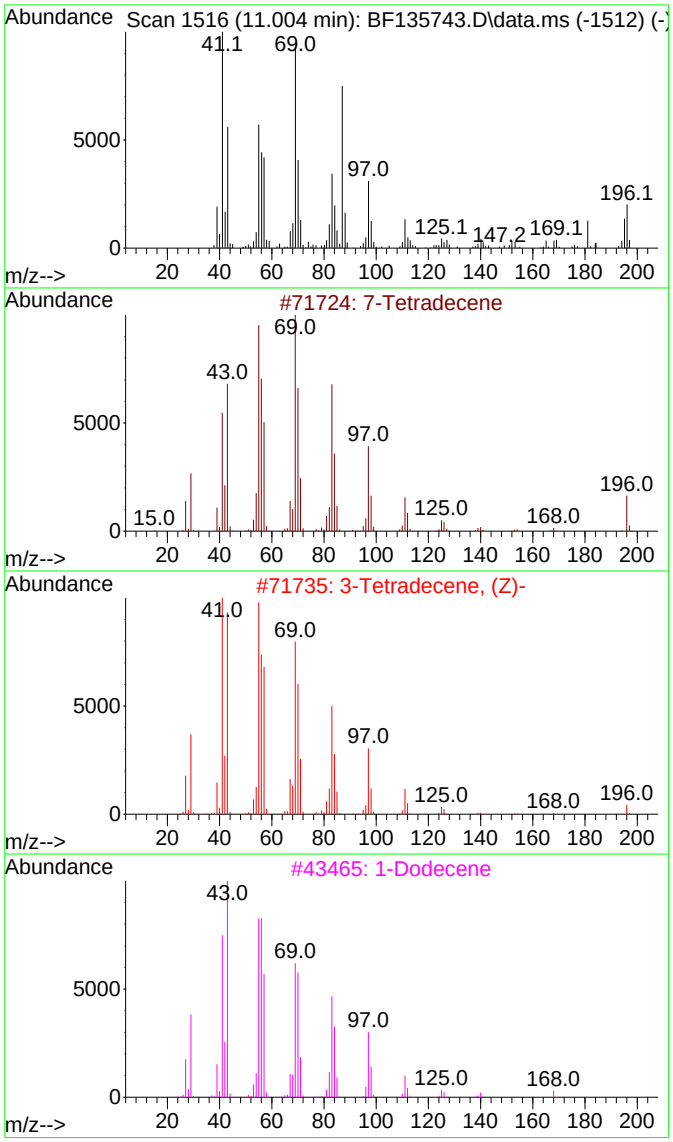
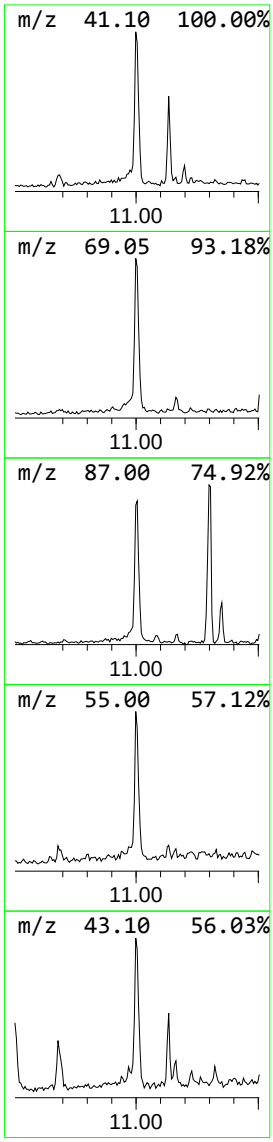
Peak Number 1 7-Tetradecene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.004	12.55 ng	236672	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Tetradecene	196	C14H28	010374-74-0	94
2	3-Tetradecene, (Z)-	196	C14H28	041446-67-7	94
3	1-Dodecene	168	C12H24	000112-41-4	91
4	3-Tetradecene, (E)-	196	C14H28	041446-68-8	89
5	n-Dodecyl methacrylate	254	C16H30O2	000142-90-5	87





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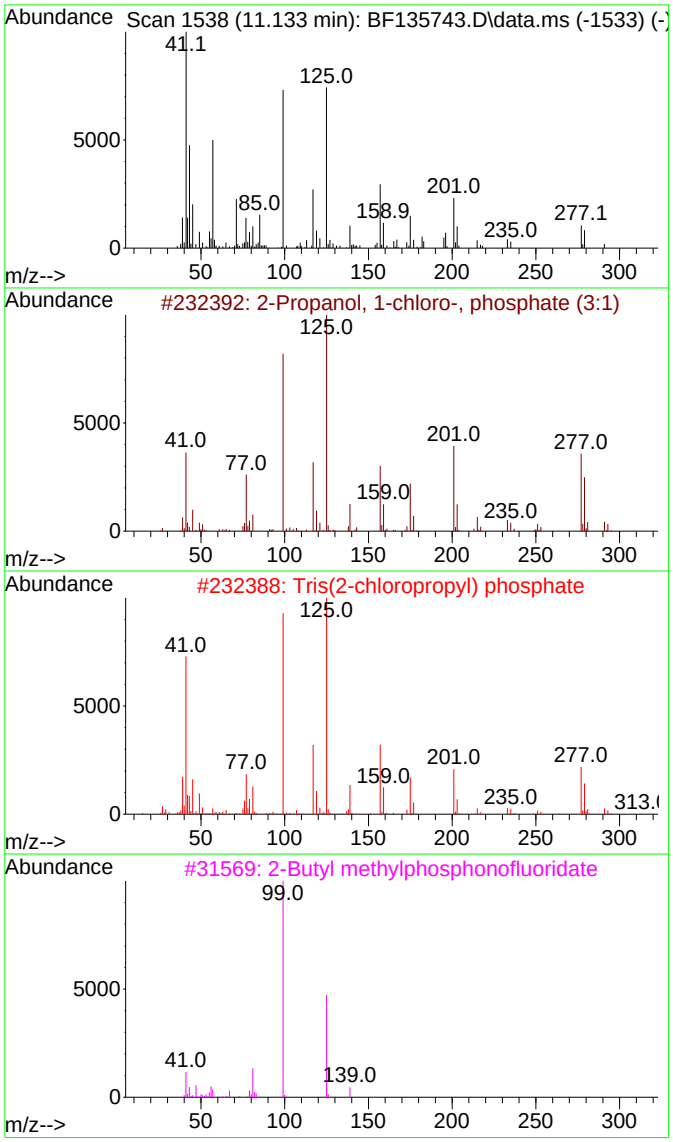
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

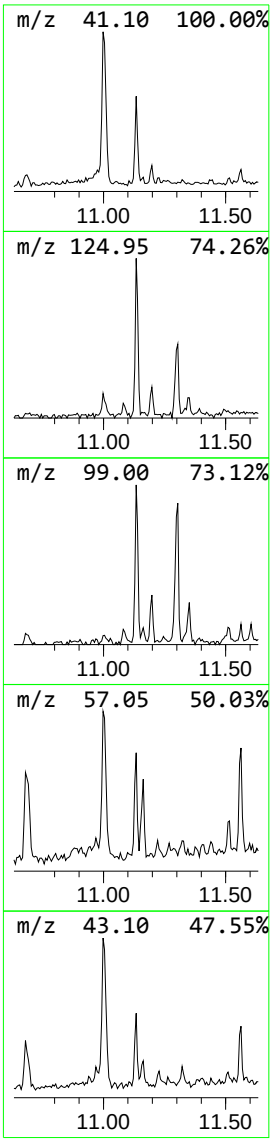
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Propanol, 1-chloro-, phos... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	5.88 ng	110854	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	86
2	Tris(2-chloropropyl) phosphate	326	C9H18Cl3O4P	006145-73-9	86
3	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	47
4	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	27
5	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	25





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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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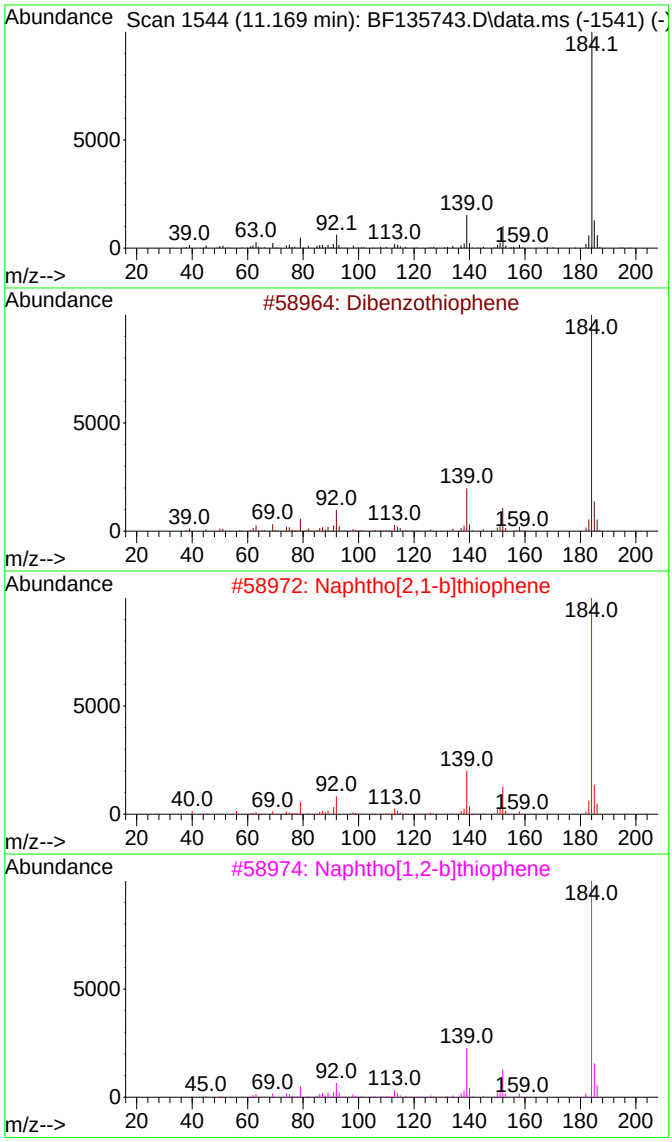
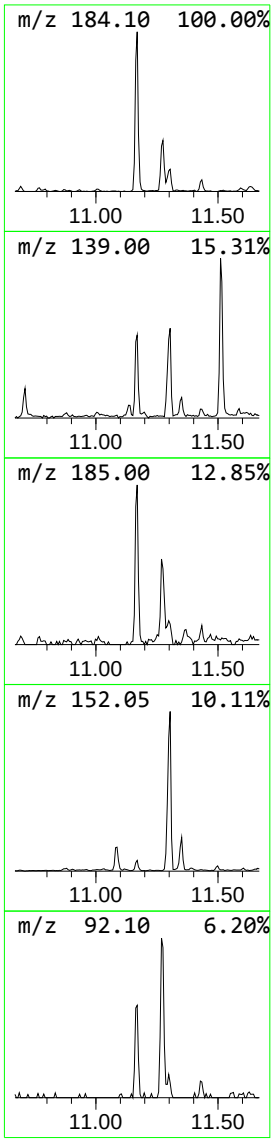
Peak Number 3 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	8.10 ng	152762	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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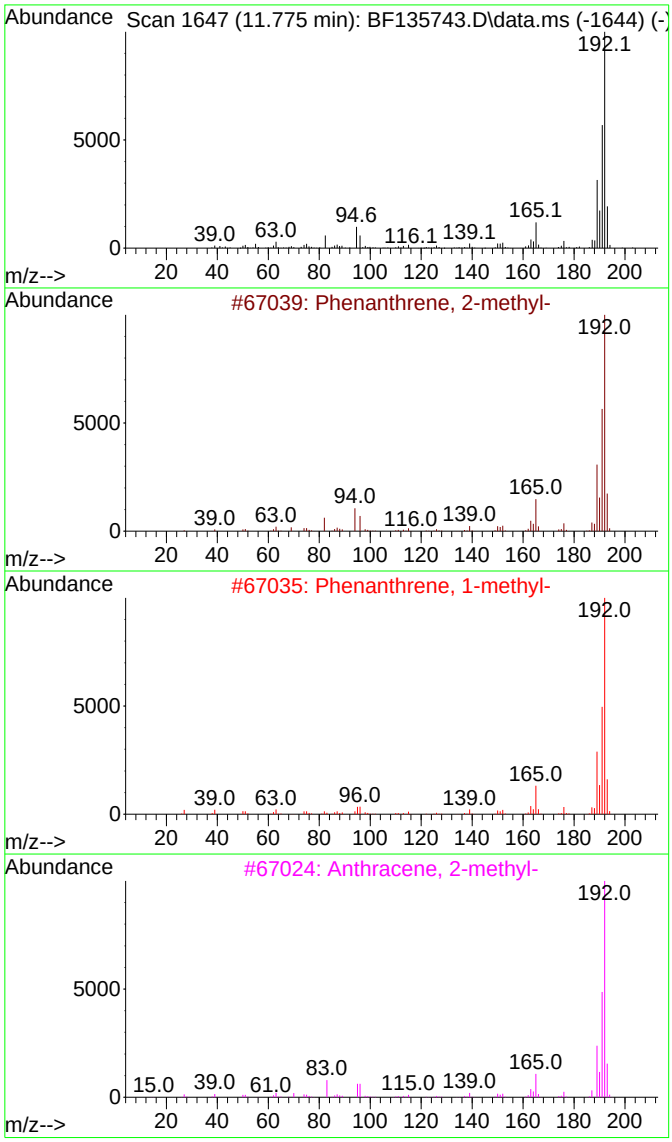
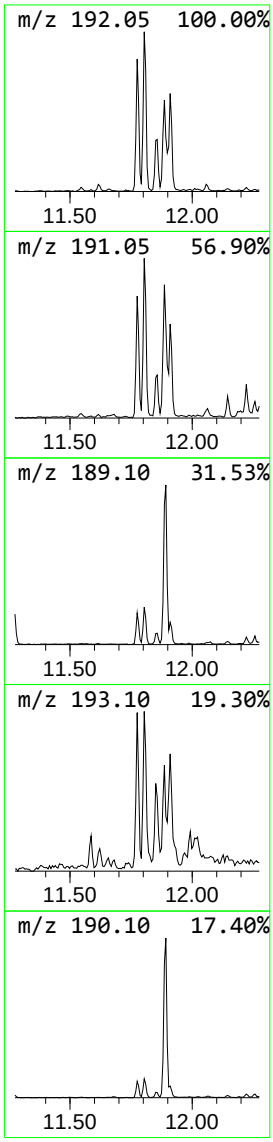
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	11.82 ng	222894	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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Data File : BF135743.D
Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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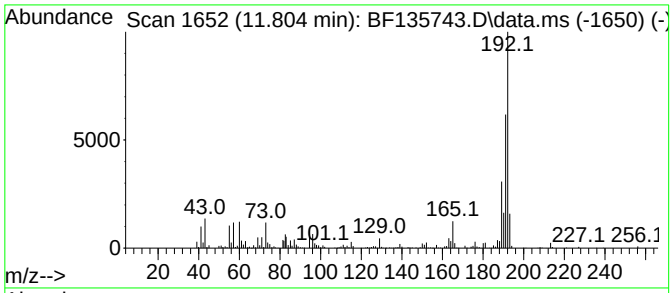
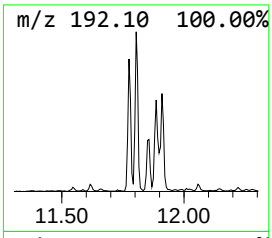
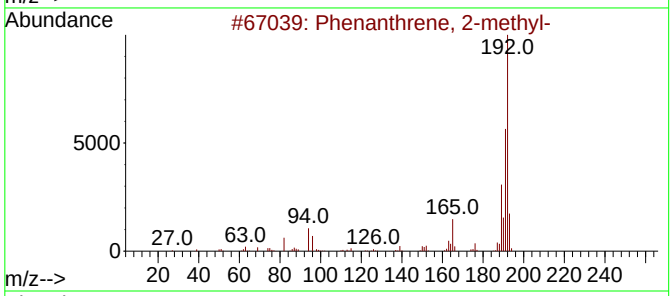
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

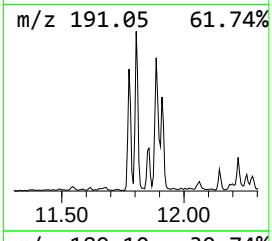
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	22.02 ng	415221	Phenanthrene-d10	11.275

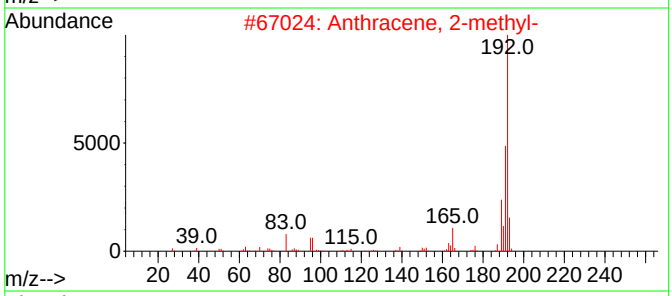
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93

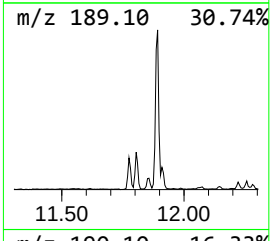


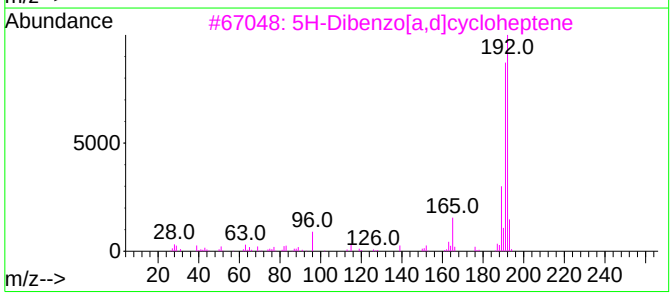


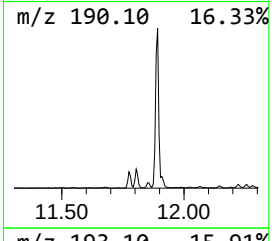


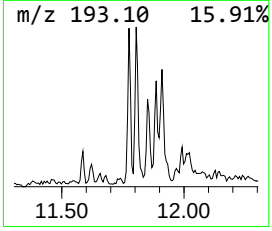












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Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
V-2(0-2IN)

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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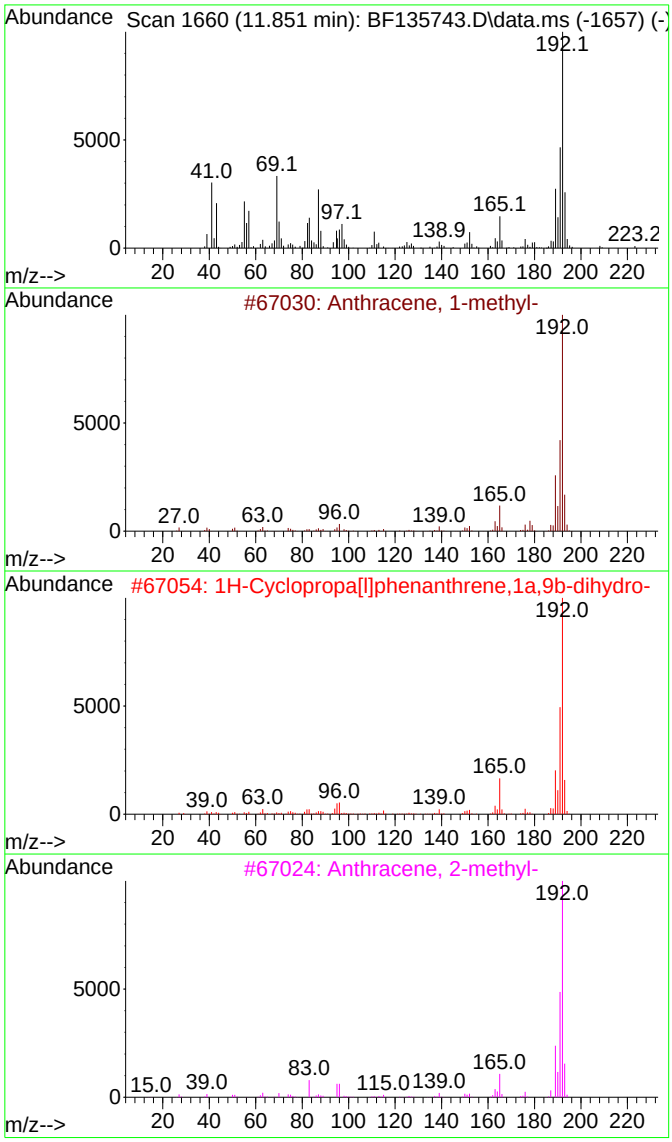
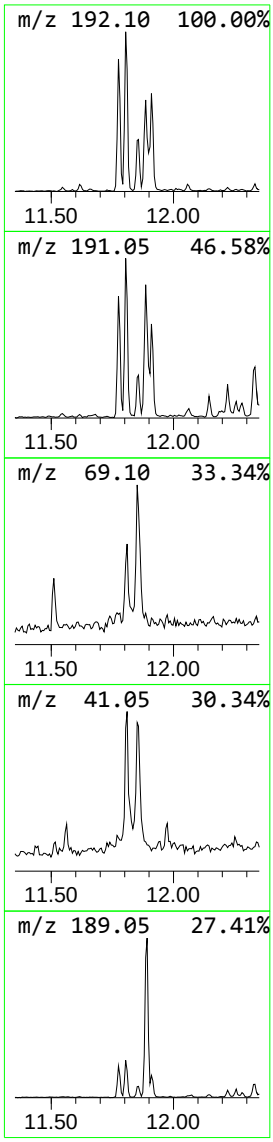
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	9.94 ng	187426	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
V-2(0-2IN)

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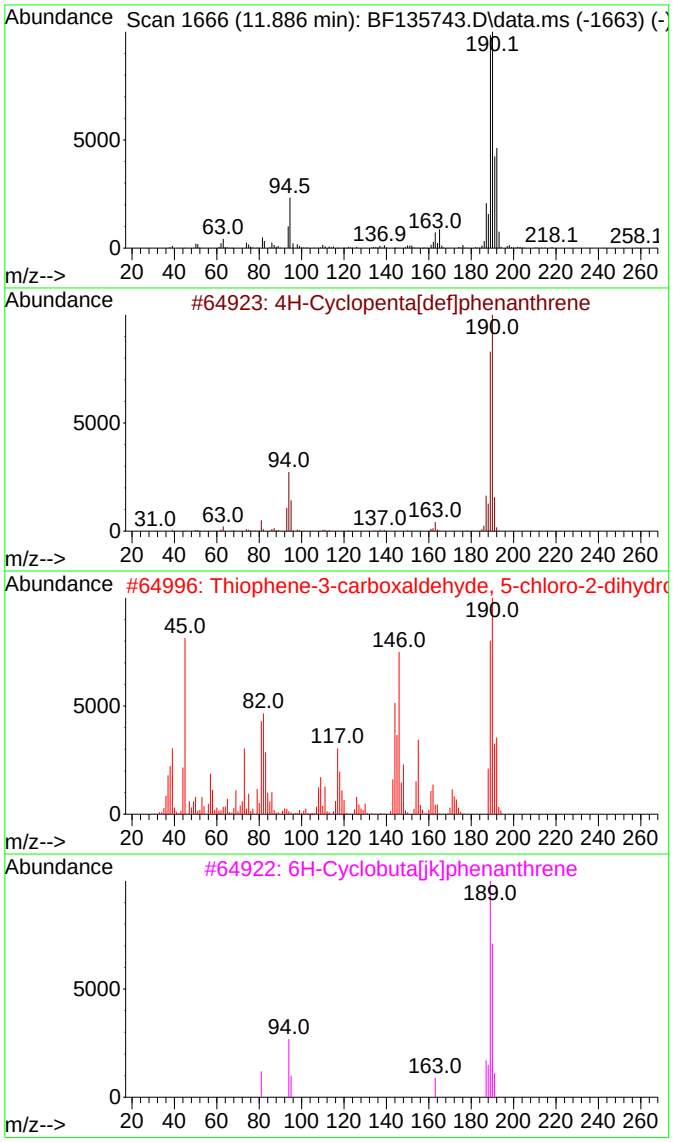
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

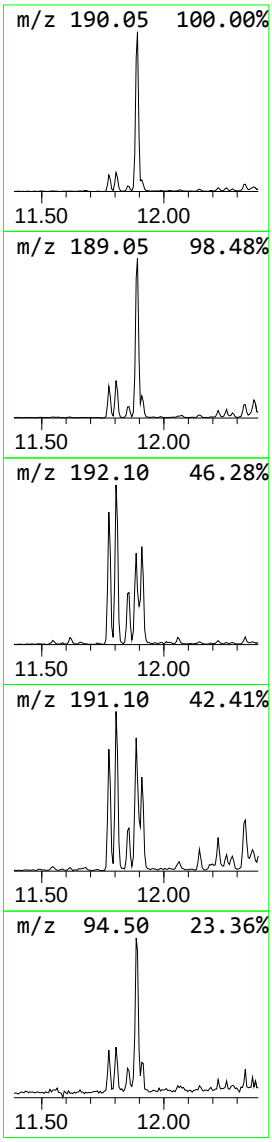
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	27.33 ng	515341	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





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Sample : 04657-05
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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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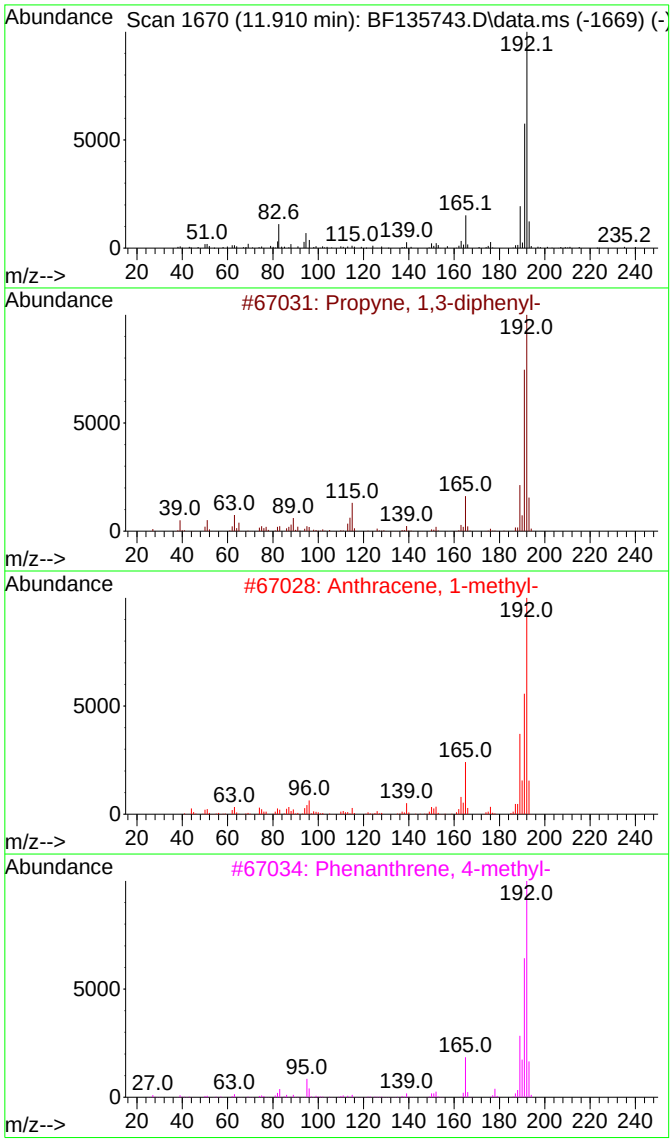
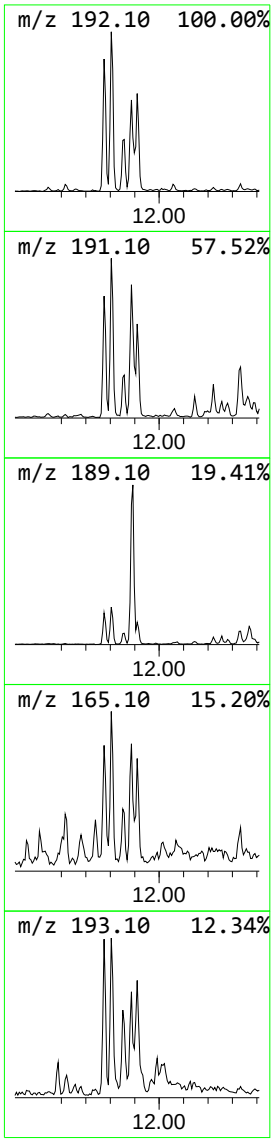
Peak Number 8 Propyne, 1,3-diphenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	6.68 ng	126058	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	76
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	64





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Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
V-2(0-2IN)

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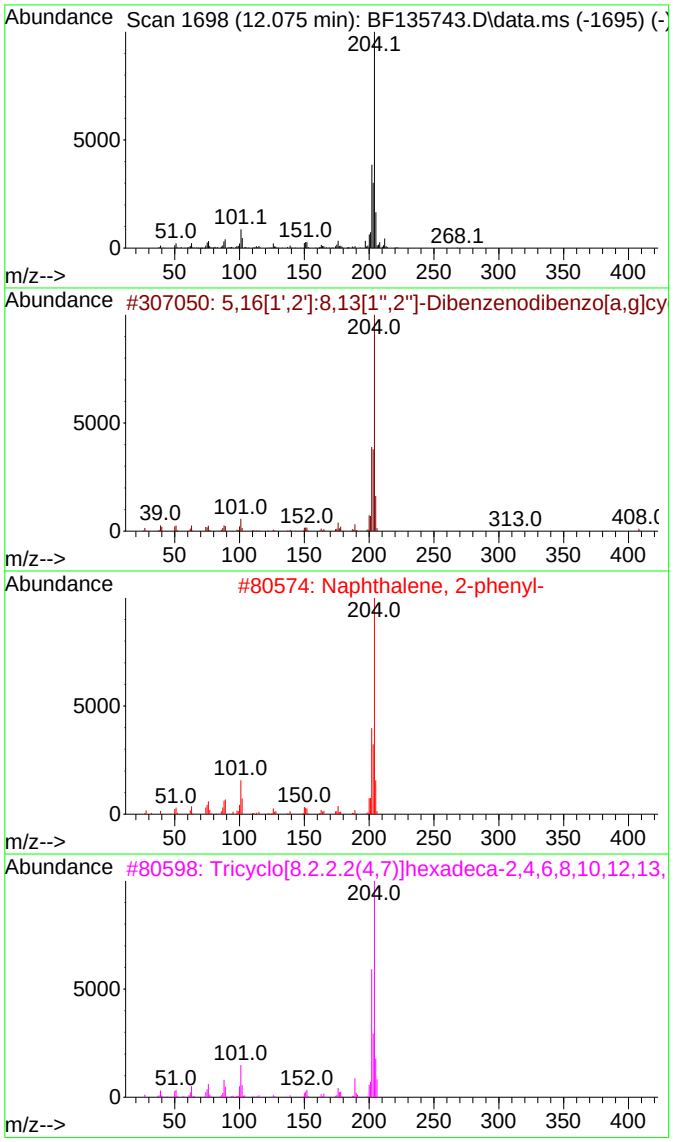
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

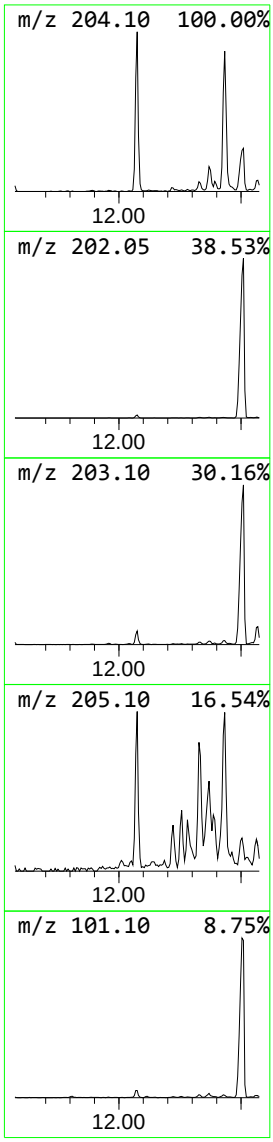
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.075	9.68 ng	182554	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
V-2(0-2IN)

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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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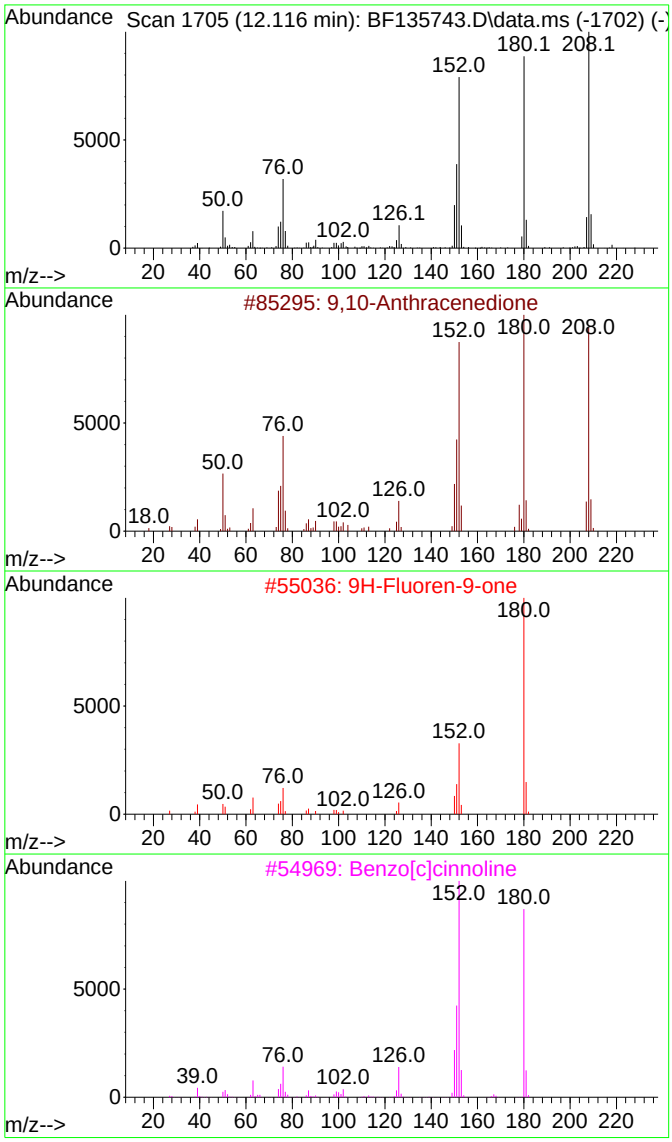
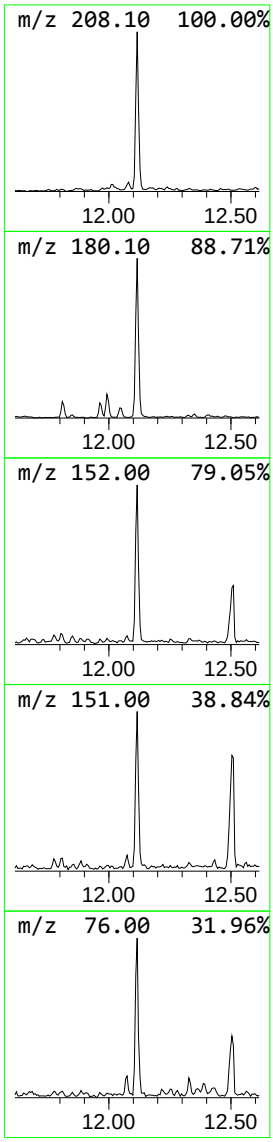
Peak Number 10 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	15.60 ng	294103	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Sample : 04657-05
Misc :
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Instrument :
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ClientSampleId :
V-2(0-2IN)

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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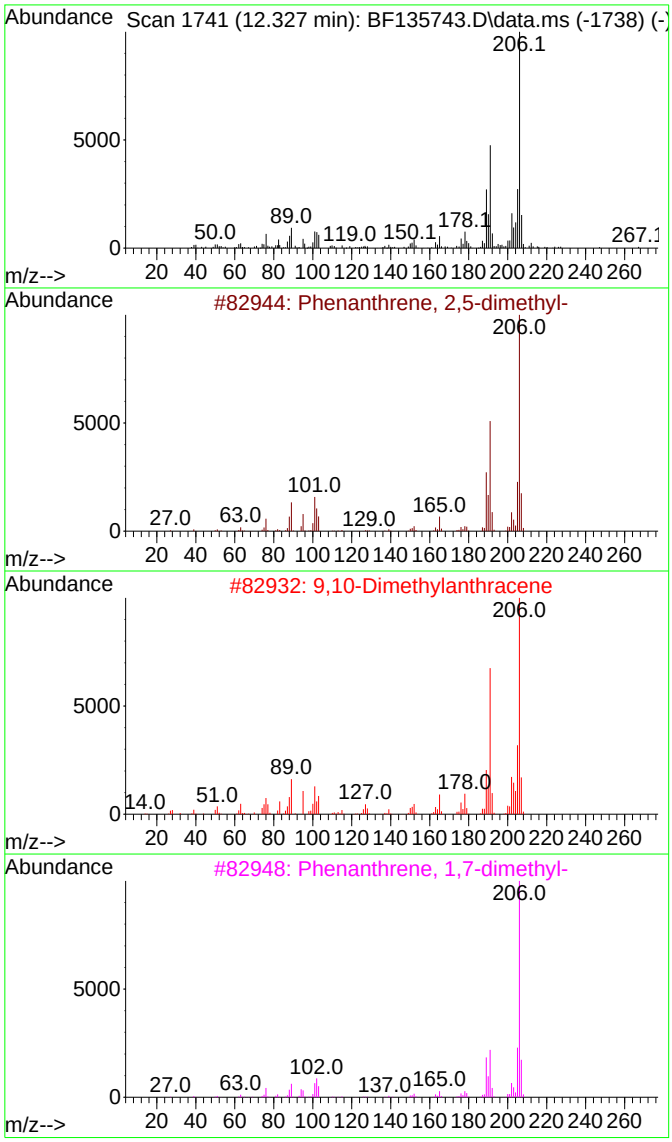
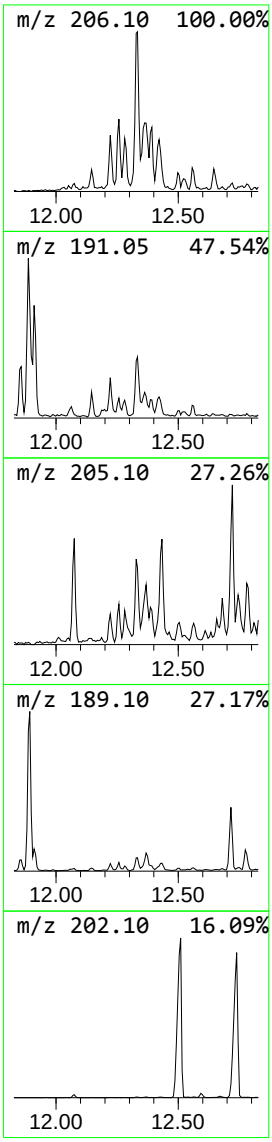
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.328	8.93 ng	168391	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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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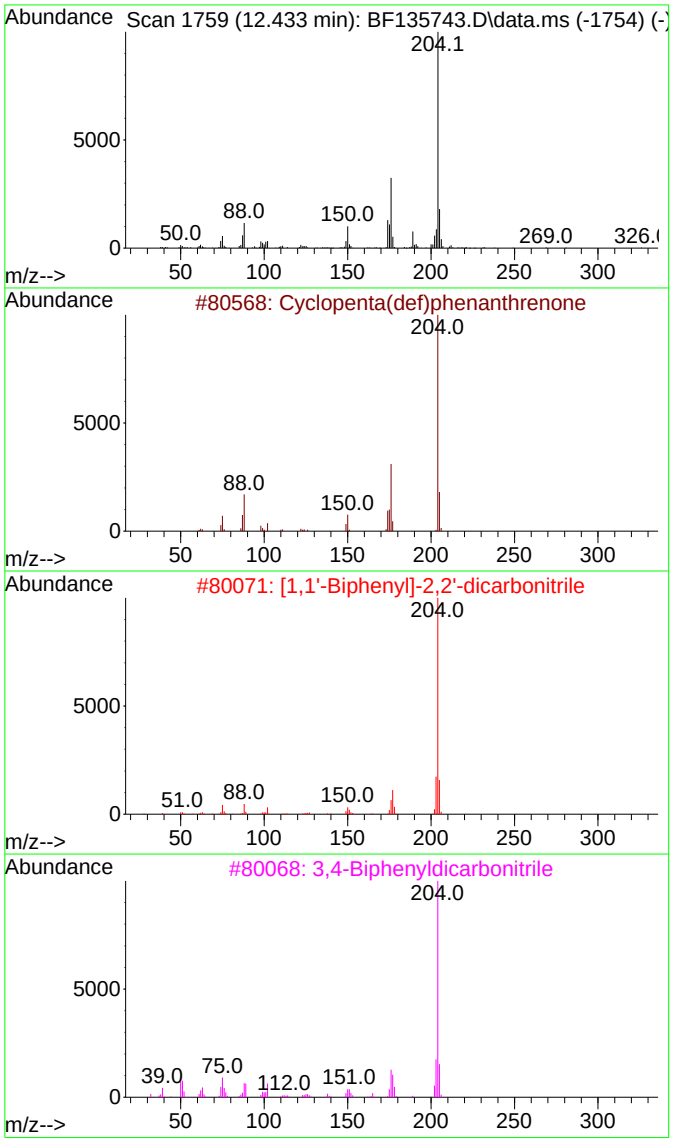
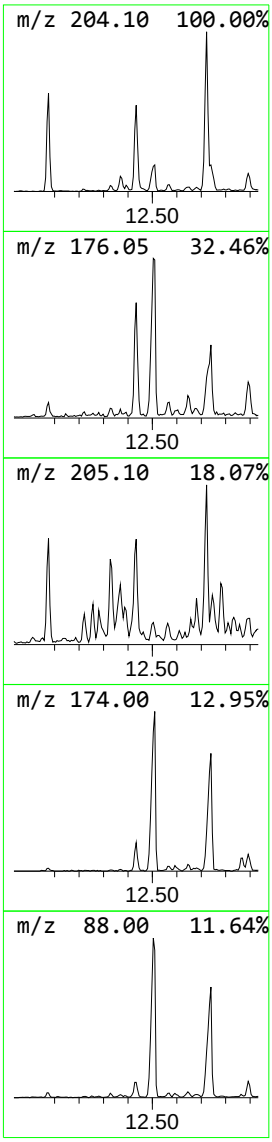
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	11.10 ng	209348	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	64
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	56
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53
5	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	52





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

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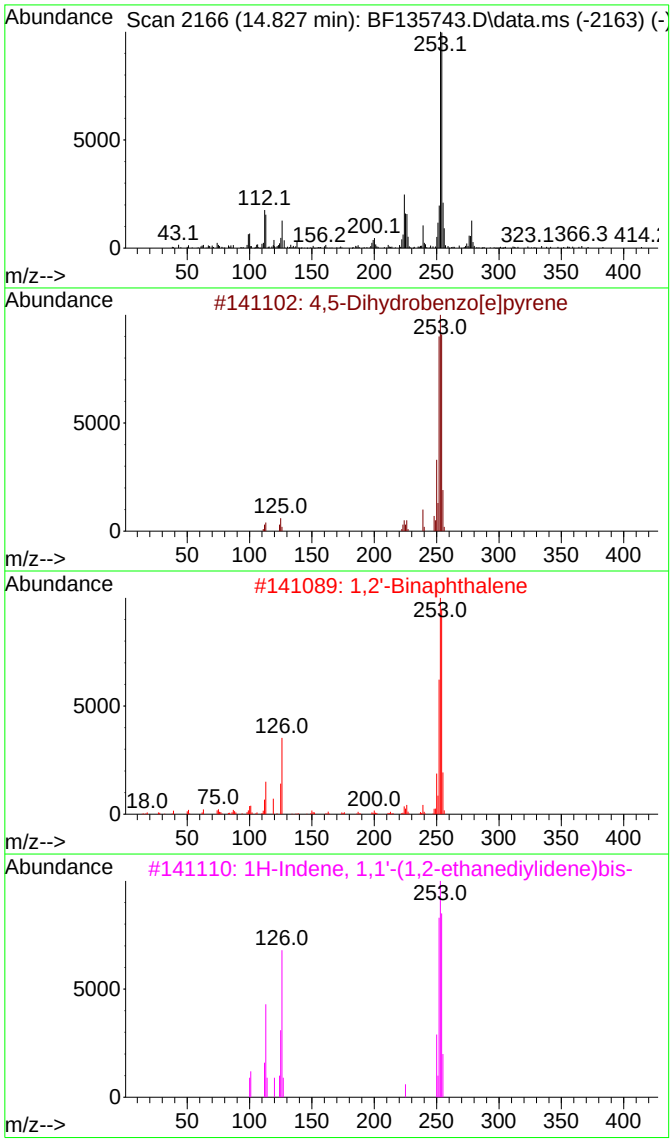
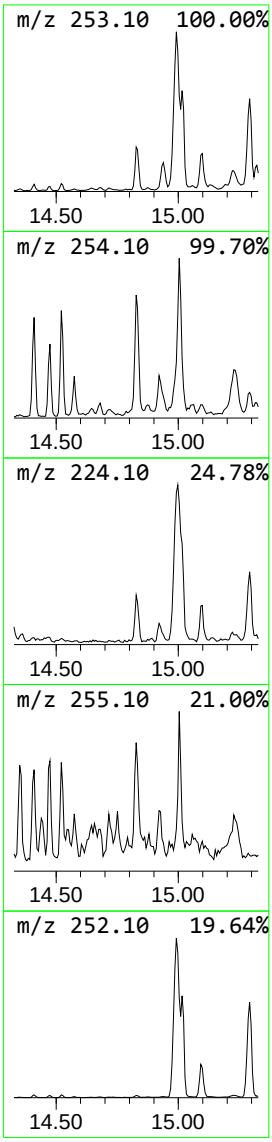
Peak Number 13 4,5-Dihydrobenzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.827	17.33 ng	187553	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
3	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	62
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	59
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	59





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TIC Library : C:\Database\NIST20.L
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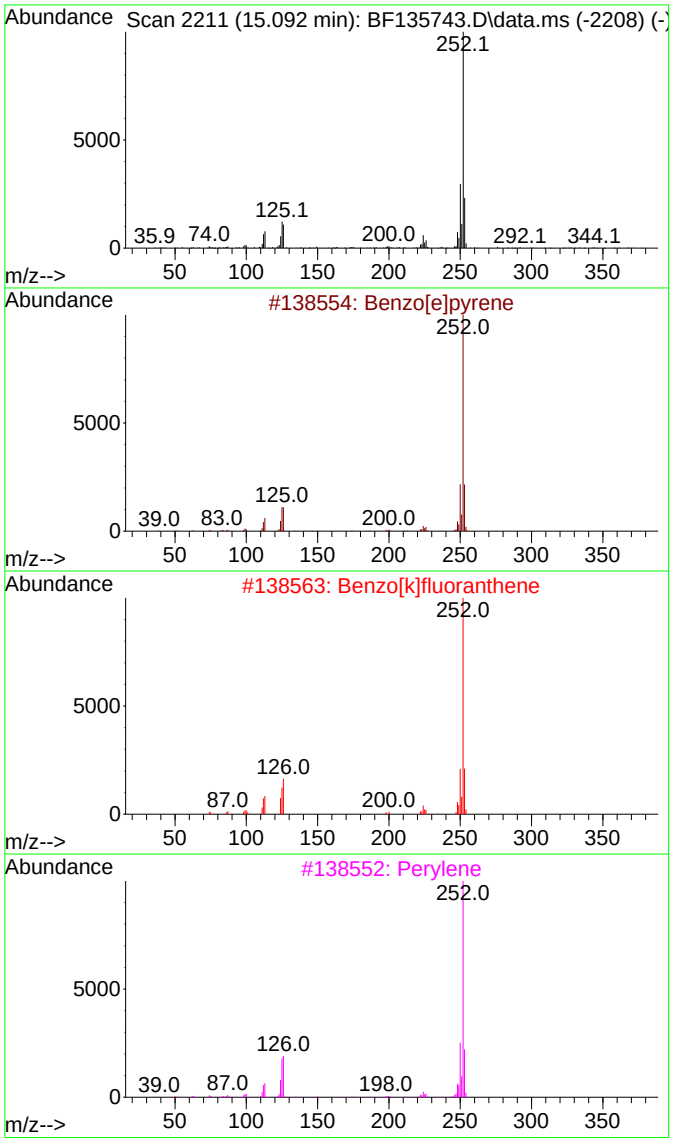
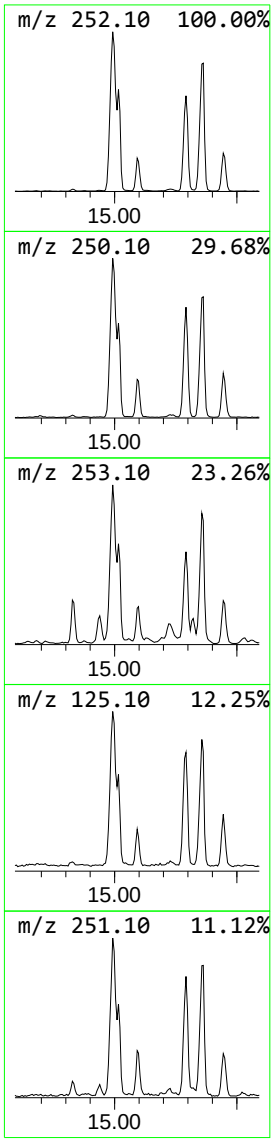
Peak Number 14 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	28.54 ng	308815	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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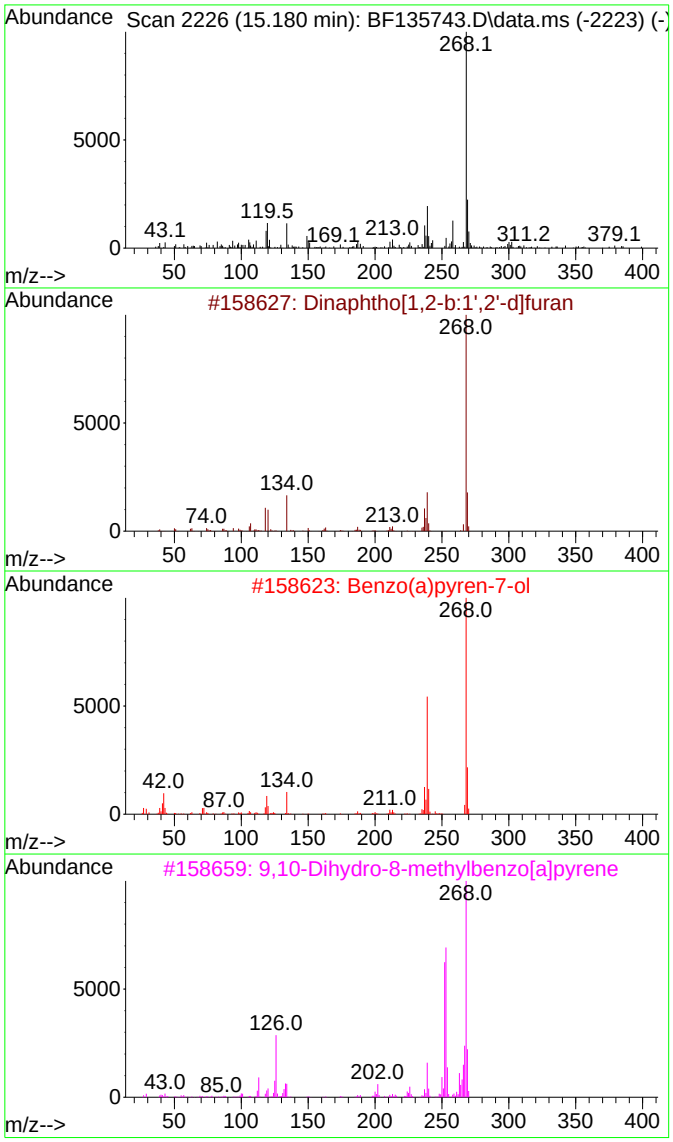
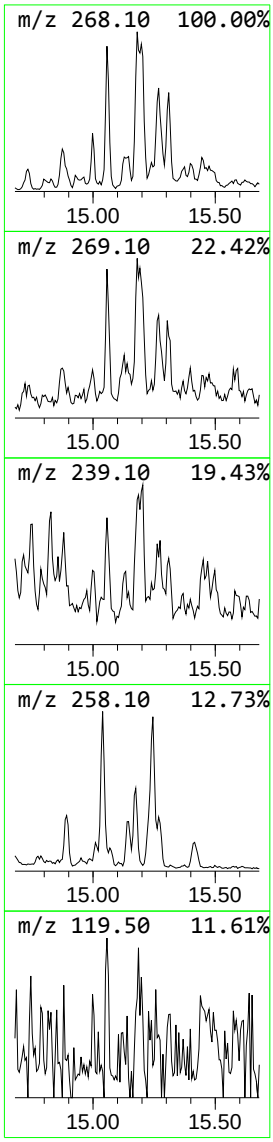
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.180	10.41 ng	112633	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	64
3	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	59
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59





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Data File : BF135743.D
Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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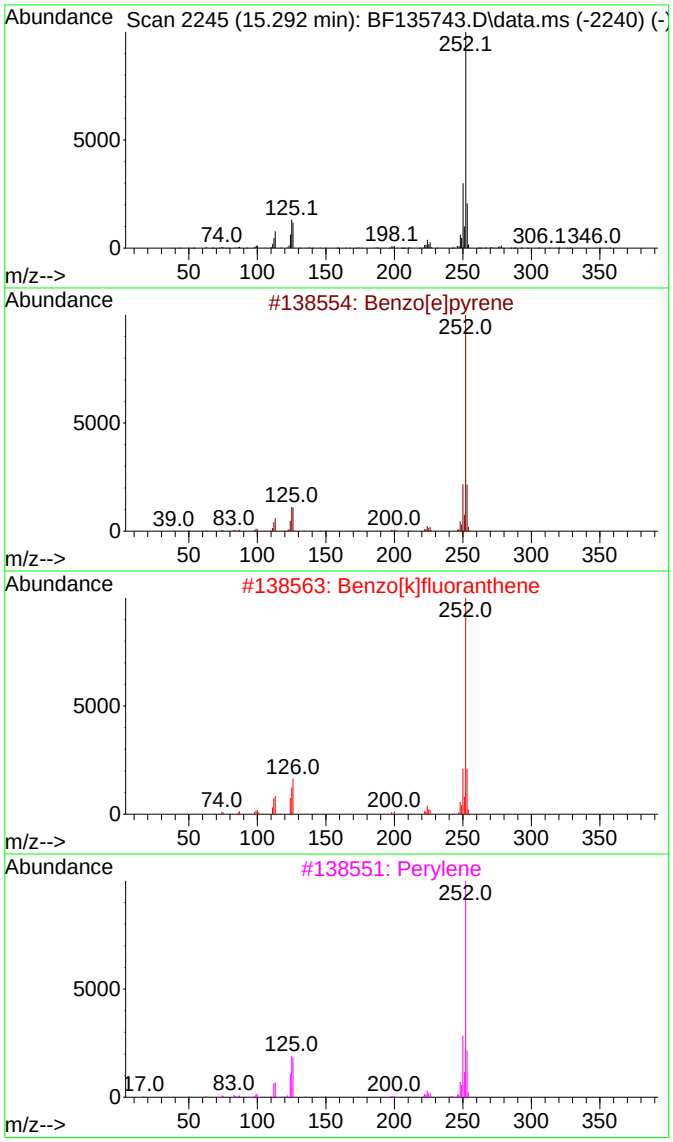
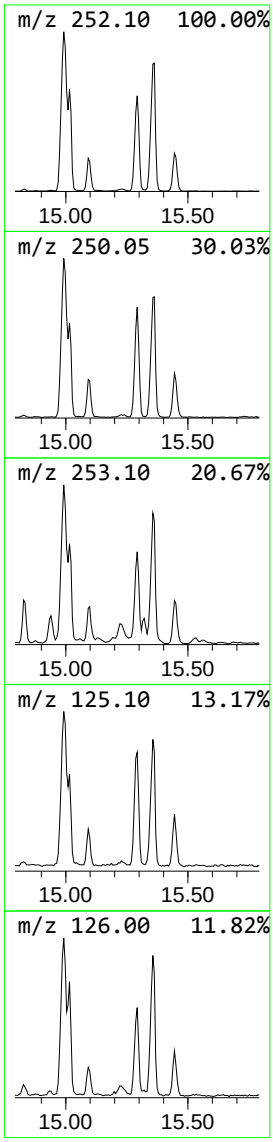
Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.292	91.98 ng	995231	Perylene-d12	15.416

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





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Data File : BF135743.D
Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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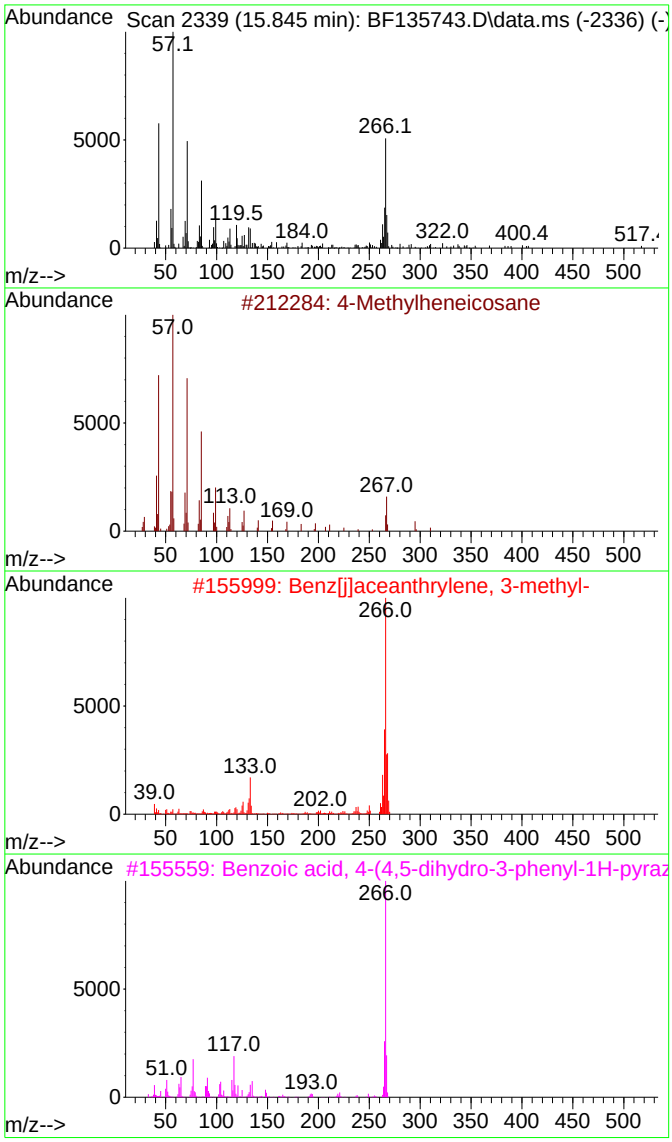
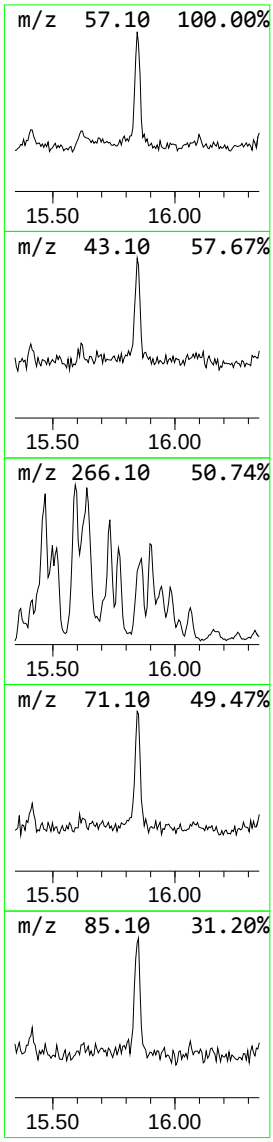
Peak Number 17 4-Methylheneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.845	13.46 ng	145683	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylheneicosane	310	C22H46	025117-29-7	64
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	46
3	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	35
4	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	35
5	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	27





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Data File : BF135743.D
Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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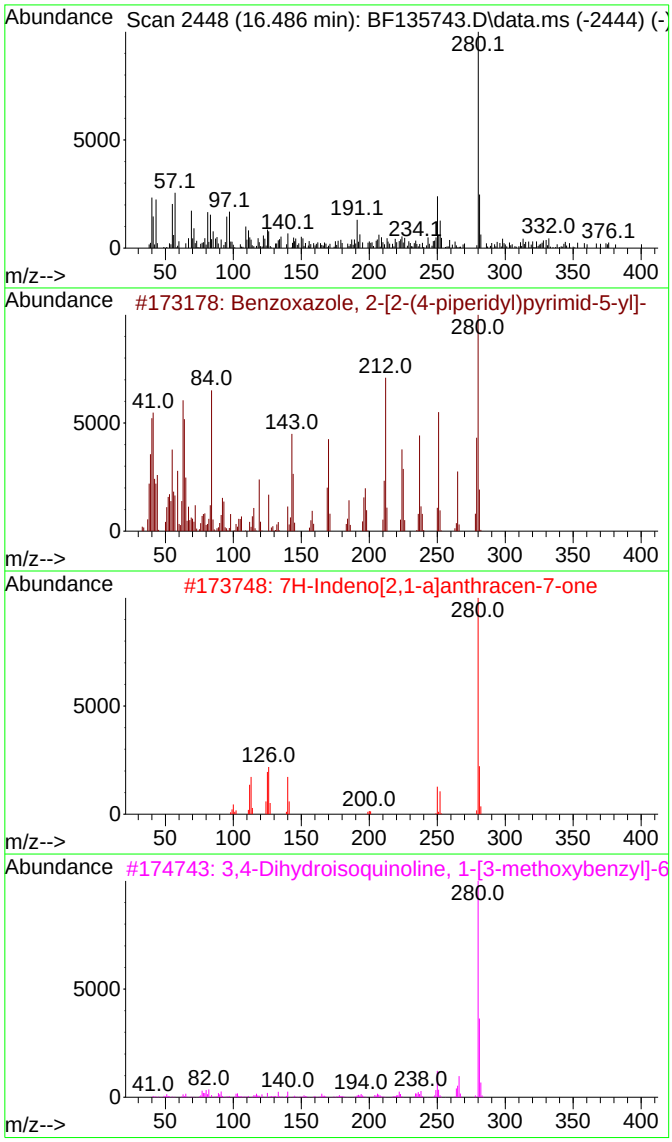
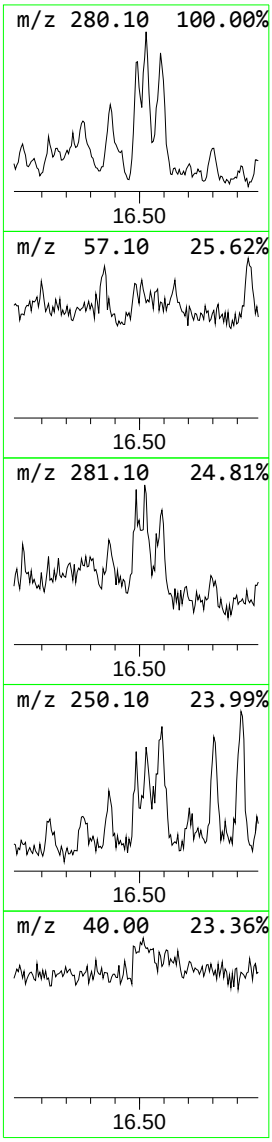
Peak Number 18 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.486	8.79 ng	95070	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	90
2	7H-Indeno[2,1-a]anthracen-7-one	280	C21H12O	027582-45-2	72
3	3,4-Dihydroisoquinoline, 1-[3-me...	281	C18H19NO2	1000126-16-1	70
4	Dibenzo[a,c]phenazine	280	C20H12N2	000215-64-5	64
5	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	59





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Data File : BF135743.D
Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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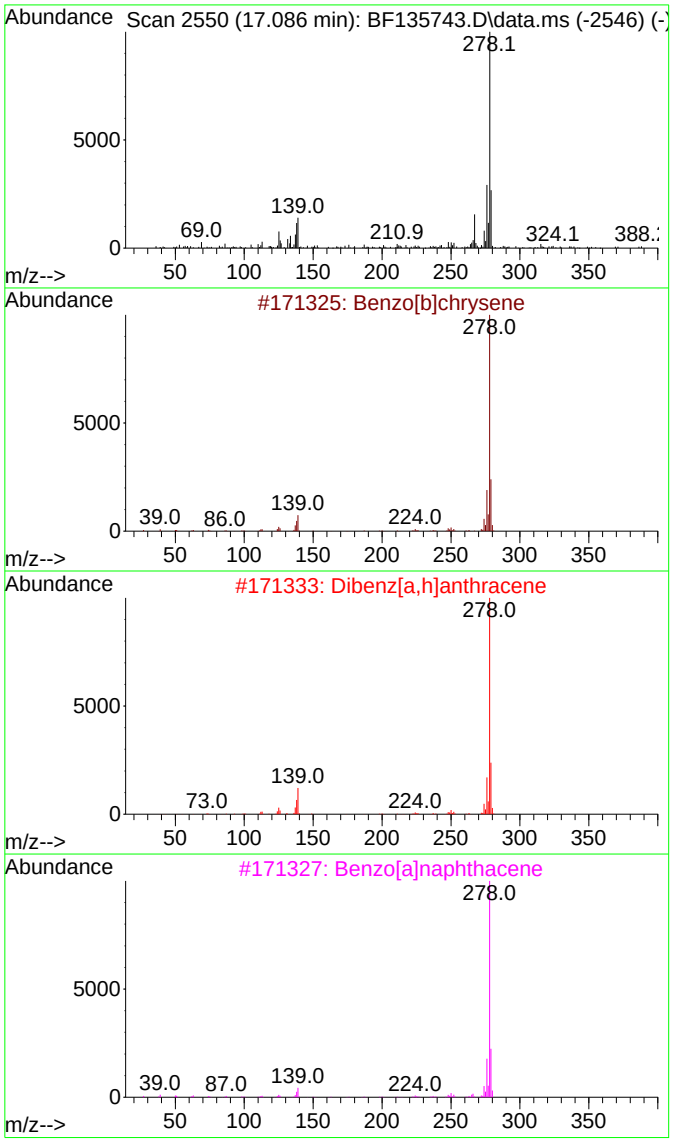
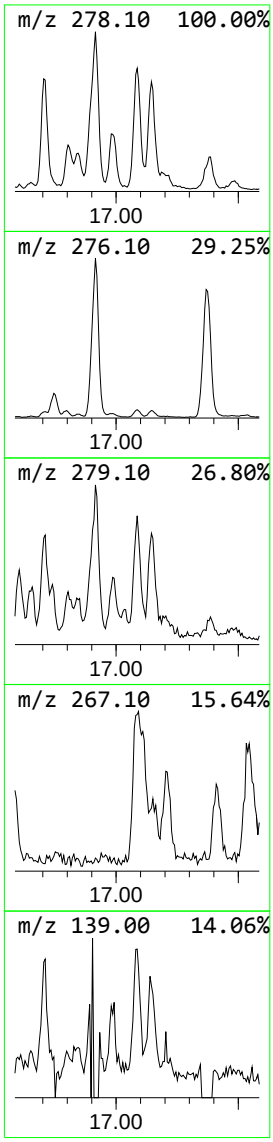
Peak Number 19 Benzo[b]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	11.62 ng	125744	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	94
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	89
4	Pentaphene	278	C22H14	000222-93-5	89
5	Picene	278	C22H14	000213-46-7	89





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Data File : BF135743.D
Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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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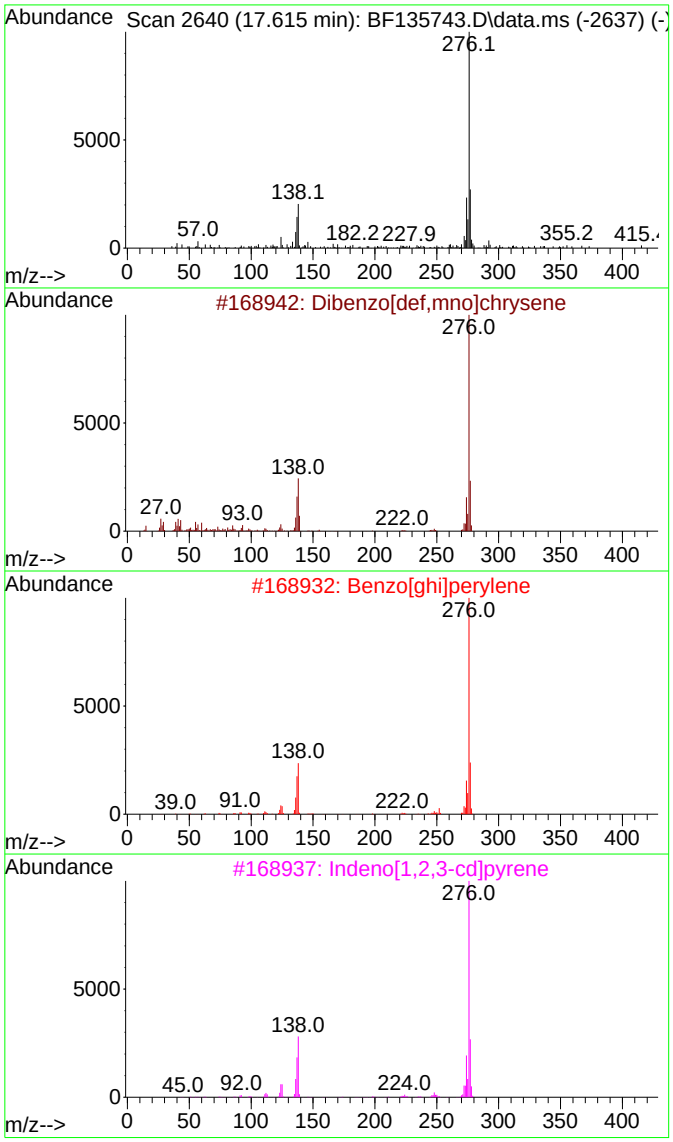
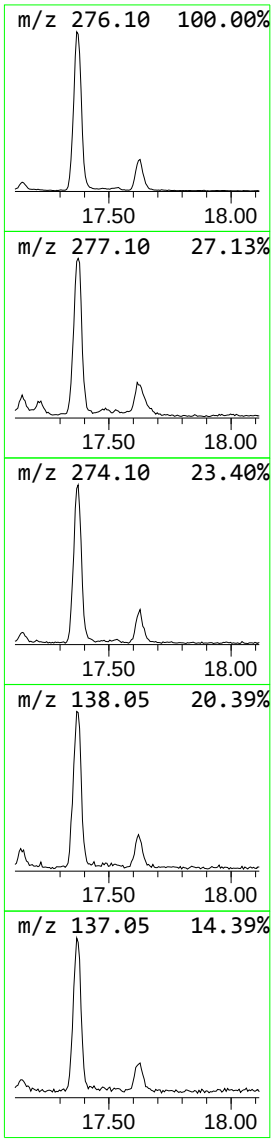
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.615	16.15 ng	174742	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	Benzoic acid, 2-acetoxy-6-bromo-...	316	C12H13BrO5	1000268-53-4	59
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135743.D
Acq On : 12 Oct 2023 19:35
Operator : CG\JU
Sample : 04657-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)

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
7-Tetradecene	11.004	12.6	ng	236672	4	11.275	377150	20.0
2-Propanol, 1-c...	11.133	5.9	ng	110854	4	11.275	377150	20.0
Dibenzothiophene	11.169	8.1	ng	152762	4	11.275	377150	20.0
Phenanthrene, 2...	11.775	11.8	ng	222894	4	11.275	377150	20.0
Anthracene, 2-m...	11.804	22.0	ng	415221	4	11.275	377150	20.0
Anthracene, 1-m...	11.851	9.9	ng	187426	4	11.275	377150	20.0
4H-Cyclopenta[d...	11.886	27.3	ng	515341	4	11.275	377150	20.0
Propyne, 1,3-di...	11.910	6.7	ng	126058	4	11.275	377150	20.0
5,16[1',2']:8,1...	12.075	9.7	ng	182554	4	11.275	377150	20.0
9,10-Anthracene...	12.116	15.6	ng	294103	4	11.275	377150	20.0
Phenanthrene, 2...	12.328	8.9	ng	168391	4	11.275	377150	20.0
Cyclopenta(def)...	12.433	11.1	ng	209348	4	11.275	377150	20.0
4,5-Dihydrobenz...	14.827	17.3	ng	187553	6	15.416	216409	20.0
Benzo[e]pyrene	15.092	28.5	ng	308815	6	15.416	216409	20.0
Dinaphtho[1,2-b...	15.180	10.4	ng	112633	6	15.416	216409	20.0
Perylene	15.292	92.0	ng	995231	6	15.416	216409	20.0
4-Methylheneico...	15.845	13.5	ng	145683	6	15.416	216409	20.0
Benzoxazole, 2-...	16.486	8.8	ng	95070	6	15.416	216409	20.0
Benzo[b]chrysene	17.086	11.6	ng	125744	6	15.416	216409	20.0
Dibenzo[def,mno...	17.615	16.1	ng	174742	6	15.416	216409	20.0