LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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: BF135295.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.387	557	561	577	rBV	348417	351894	26.93%	2.098%
2	6.398	730	733	748	rBV	386165	370395	28.35%	2.208%
3	6.757	791	794	801	rBV	595764	472184	36.14%	2.815%
4	7.316	886	889	894	rBV	239721	207882	15.91%	1.239%
5	8.034	1006	1011	1014	rBV	578031	556728	42.61%	3.319%
6	8.628	1109	1112	1115	rBV2	25763	23813	1.82%	0.142%
7	8.751	1130	1133	1136	rVB	91938	68680	5.26%	0.409%
8	8.851	1145	1150	1156	rVB	93607	94380	7.22%	0.563%
9	9.110	1191	1194	1198	rBV	388846	348448	26.67%	2.077%
10	9.198	1204	1209	1210	rBV	39220	37294	2.85%	0.222%
11	9.310	1226	1228	1233	rVB2	17910	21335	1.63%	0.127%
12	9.380	1234	1240	1243	rBV	45103	63141	4.83%	0.376%
13	9.451	1249	1252	1254	rBV	90029	80213	6.14%	0.478%
14	9.481	1254	1257	1261	rVV	47794	51947	3.98%	0.310%
15	9.516	1261	1263	1265	rVV2	25820	21314	1.63%	0.127%
16	9.569	1269	1272	1277	rVB2	45959	51346	3.93%	0.306%
17	9.651	1283	1286	1290	rVB	74110	66900	5.12%	0.399%
18	9.728	1296	1299	1303	rVB	45243	33499	2.56%	0.200%
19	9.792	1303	1310	1313	rBV	672033	548139	41.95%	3.268%
20	9.828	1313	1316	1319	rVV	212794	196518	15.04%	1.171%
21	9.898	1325	1328	1332	rVB2	19765	23191	1.78%	0.138%
22	9.951	1332	1337	1339	rBV3	18073	24942	1.91%	0.149%
23	9.998	1342	1345	1350	rVV	157425	131785	10.09%	0.786%
24	10.039	1350	1352	1359	rVB3	29900	34754	2.66%	0.207%
25	10.110	1361	1364	1367	rBV2	29852	31347	2.40%	0.187%
26	10.204	1376	1380	1381	rBV2	16556	20202	1.55%	0.120%
27	10.228	1381	1384	1386	rVV2	41953	37440	2.87%	0.223%
28	10.345	1400	1404	1410	rVB	262922	244022	18.68%	1.455%
29	10.410	1410	1415	1416	rBV2	27819	33955	2.60%	0.202%
30	10.428	1416	1418	1420	rVV2	37377	32207	2.47%	0.192%
31	10.451	1420	1422	1425	rVV2	31801	32093	2.46%	0.191%
32	10.498	1428	1430	1434	rVB	45456	43250	3.31%	0.258%
33	10.586	1439	1445	1449	rVV	266766	279345	21.38%	1.665%
34	10.622	1449	1451	1457	rVB3	13199	20898	1.60%	0.125%
35	10.704	1462	1465	1473	rVB3	51901	74226	5.68%	0.442%
36	10.892	1492	1497	1500	rBV2	52234	66087	5.06%	0.394%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
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Acq On : 15 Sep 2023 23:41
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Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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	10.922	1500	1502	1505	rVV2	34673	33676	2.58%	0.201%
38	10.975	1509	1511	1514	rVV	28248	26580	2.03%	0.158%
39	11.022	1514	1519	1521	rVV2	21313	30812	2.36%	0.184%
40	11.045	1521	1523	1525	rVV2	26505	24517	1.88%	0.146%
41	11.092	1528	1531	1534	rVB4	21560	22073	1.69%	0.132%
42	11.133	1535	1538	1540	rVV	22518	25236	1.93%	0.150%
43	11.180	1544	1546	1552	rVB	116566	106205	8.13%	0.633%
44	11.286	1560	1564	1566	rBV	664056	575534	44.05%	3.431%
45	11.310	1566	1568	1572	rVV	1344427	1064576	81.48%	6.346%
46	11.363	1572	1577	1580	rVV	357611	293557	22.47%	1.750%
47	11.398	1580	1583	1586	rVV2	31897	34181	2.62%	0.204%
48	11.522	1600	1604	1609	rBV	136882	122565	9.38%	0.731%
49	11.586	1612	1615	1618	rVV2	63295	55646	4.26%	0.332%
50	11.616	1618	1620	1626	rVB3	45783	50605	3.87%	0.302%
51	11.698	1629	1634	1639	rVB2	30405	51548	3.95%	0.307%
52	11.745	1639	1642	1645	rBV5	14589	18764	1.44%	0.112%
53	11.792	1646	1650	1652	rBV	159606	144546	11.06%	0.862%
54	11.822	1652	1655	1659	rVV	265751	246749	18.89%	1.471%
55	11.869	1660	1663	1665	rVV	68857	61587	4.71%	0.367%
56	11.904	1665	1669	1671	rVV	323636	311859	23.87%	1.859%
57	11.927	1671	1673	1677	rVB	112107	98393	7.53%	0.587%
58	11.974	1678	1681	1683	rBV2	21084	23174	1.77%	0.138%
59	11.998	1683	1685	1687	rVB2	31020	24461	1.87%	0.146%
60	12.086	1697	1700	1703	rBV	101286	88631	6.78%	0.528%
61	12.116	1703	1705	1709	rVB2	54418	49713	3.81%	0.296%
62	12.216	1720	1722	1724	rBV2	17484	17185	1.32%	0.102%
63	12.239	1724	1726	1728	rVV	30500	24169	1.85%	0.144%
64	12.269	1728	1731	1733	rVV	35726	29250	2.24%	0.174%
65	12.292	1733	1735	1739	rVB	33953	29615	2.27%	0.177%
66	12.345	1740	1744	1747	rBV	104848	123301	9.44%	0.735%
67	12.380	1747	1750	1752	rBV4	77603	86487	6.62%	0.516%
68	12.433	1756	1759	1764	rBV2	61962	87814	6.72%	0.523%
69	12.510	1768	1772	1775	rBV	1460823	1306499	100.00%	7.788%
70	12.604	1785	1788	1791	rBV3	27027	39831	3.05%	0.237%
71	12.657	1794	1797	1800	rVB	54443	57436	4.40%	0.342%
72	12.739	1804	1811	1813	rBV	1247264	1270344	97.23%	7.573%
73	12.757	1813	1814	1817	rVV	83293	62885	4.81%	0.375%
74	12.786	1817	1819	1823	rVB2	56515	71054	5.44%	0.424%
75	12.857	1828	1831	1832	rVV2	95932	81287	6.22%	0.485%
76	12.880	1832	1835	1841	rVV	577406	546784	41.85%	3.259%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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

77	12.957	1843	1848	1852	rVV2	111268	192841	14.76%	1.150%
78	12.992	1852	1854	1856	rVV	46991	47514	3.64%	0.283%
79	13.045	1860	1863	1864	rVV2	111183	130726	10.01%	0.779%
80	13.069	1864	1867	1870	rVB	305321	291585	22.32%	1.738%
81	13.133	1875	1878	1881	rVB	272323	205595	15.74%	1.226%
82	13.169	1881	1884	1887	rBV	157294	154406	11.82%	0.920%
83	13.263	1897	1900	1903	rVV	93766	78729	6.03%	0.469%
84	13.292	1903	1905	1909	rVB	112054	108953	8.34%	0.649%
85	13.557	1947	1950	1952	rBV3	31526	36582	2.80%	0.218%
86	13.580	1952	1954	1958	rVB	48590	52247	4.00%	0.311%
87	13.692	1970	1973	1975	rBV	87678	71107	5.44%	0.424%
88	13.716	1975	1977	1979	rBV	77112	55642	4.26%	0.332%
89	13.739	1979	1981	1983	rBV	52518	37568	2.88%	0.224%
90	13.792	1988	1990	1993	rVB2	50629	42414	3.25%	0.253%
91	13.939	2011	2015	2018	rBV2	700914	997846	76.38%	5.948%
92	13.968	2018	2020	2028	rVB	472667	425237	32.55%	2.535%
93	14.051	2031	2034	2036	rVB	89889	76102	5.82%	0.454%
94	14.333	2080	2082	2085	rVB	99261	87505	6.70%	0.522%
95	14.457	2101	2103	2105	rBV2	51076	48375	3.70%	0.288%
96	14.986	2189	2193	2196	rBV	266773	398641	30.51%	2.376%
97	15.286	2241	2244	2250	rVB	153620	195489	14.96%	1.165%
98	15.351	2251	2255	2260	rBV	239691	305209	23.36%	1.819%
99	15.410	2261	2265	2268	rBV	297684	359239	27.50%	2.141%
100	16.886	2513	2516	2524	rVB	90581	160867	12.31%	0.959%

Sum of corrected areas: 16775342

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
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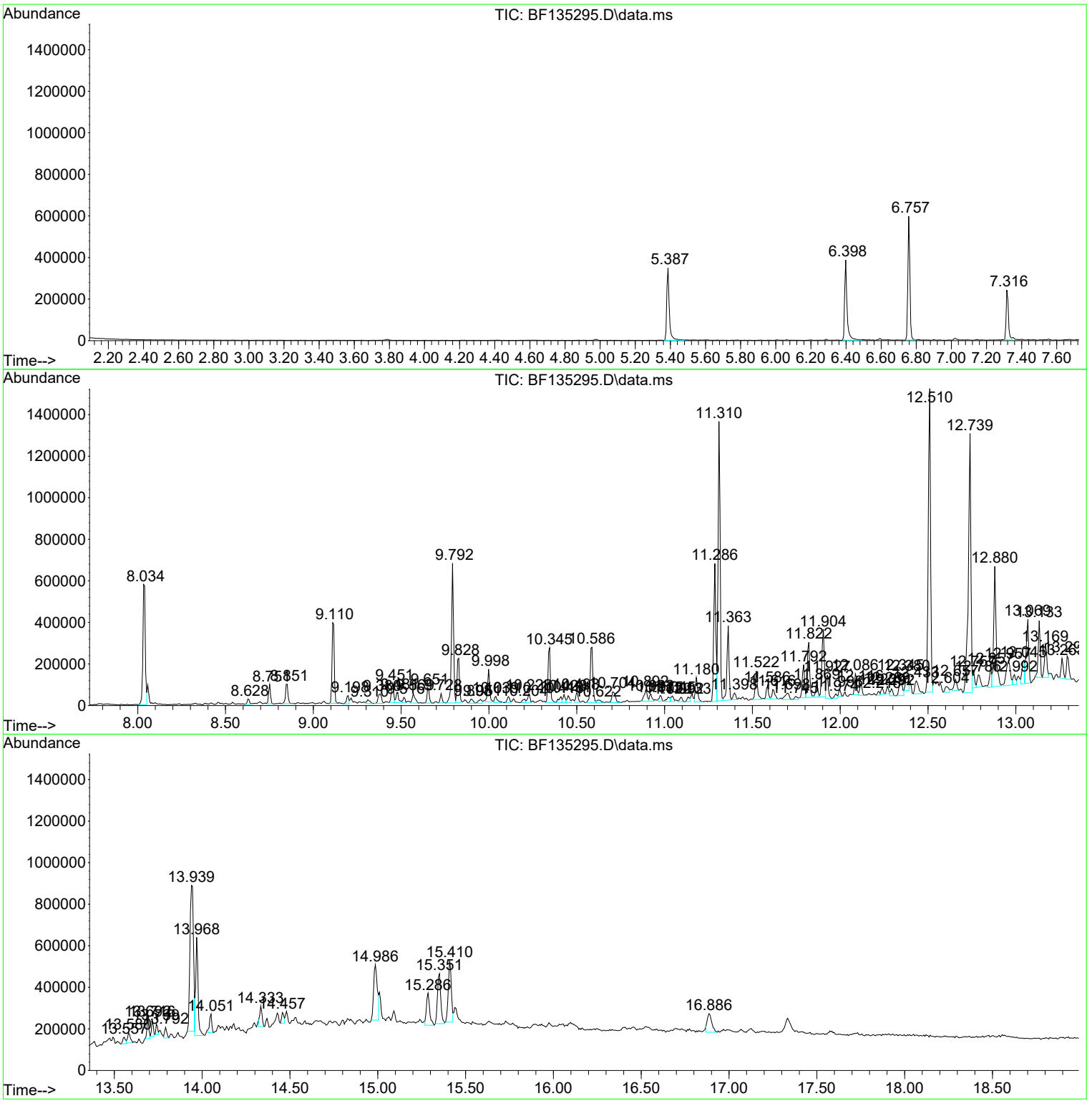
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
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Instrument :
BNA_F
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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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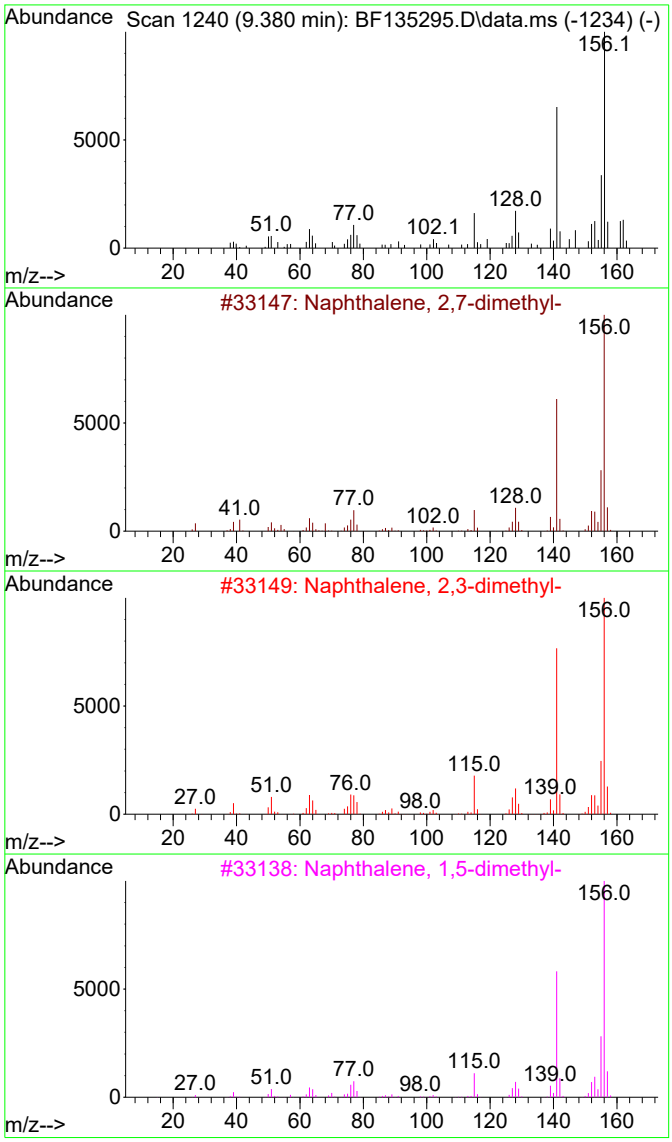
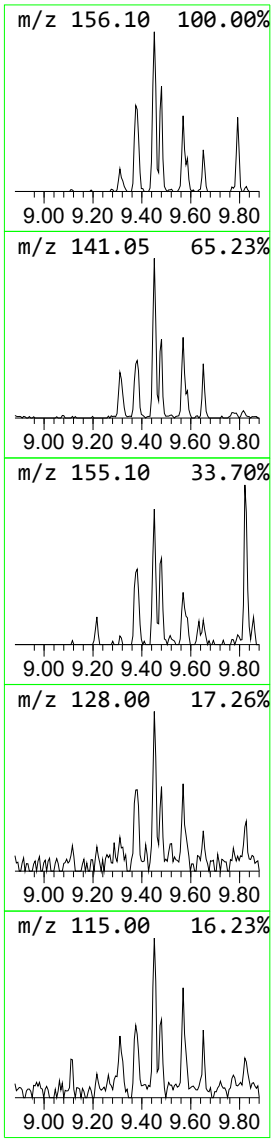
Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.380	2.30 ng	63141	Acenaphthene-d10	9.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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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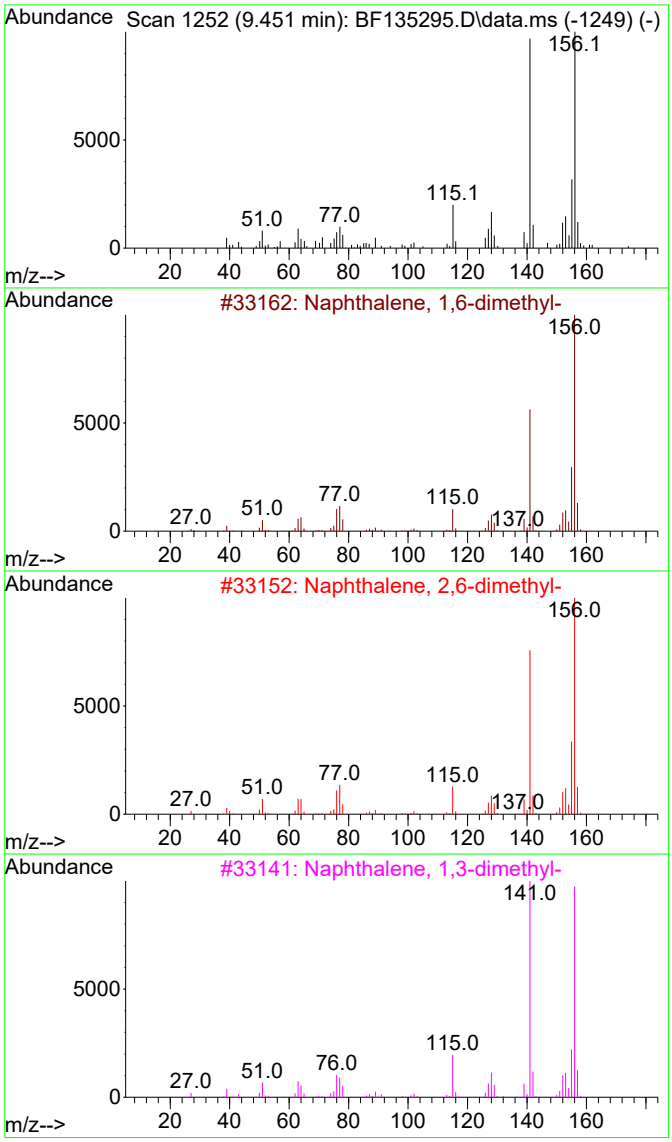
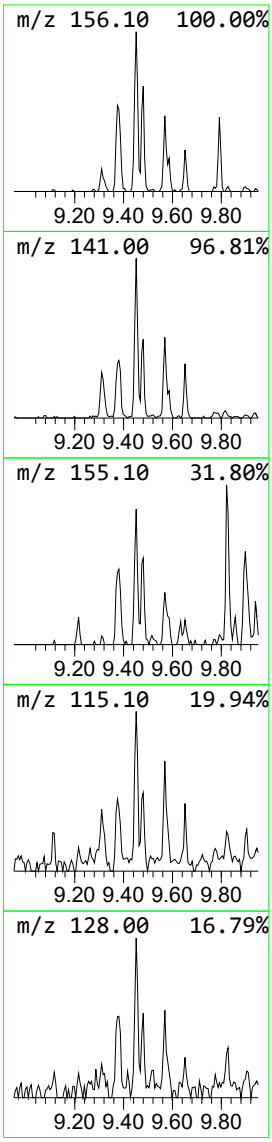
Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.451	2.93 ng	80213	Acenaphthene-d10	9.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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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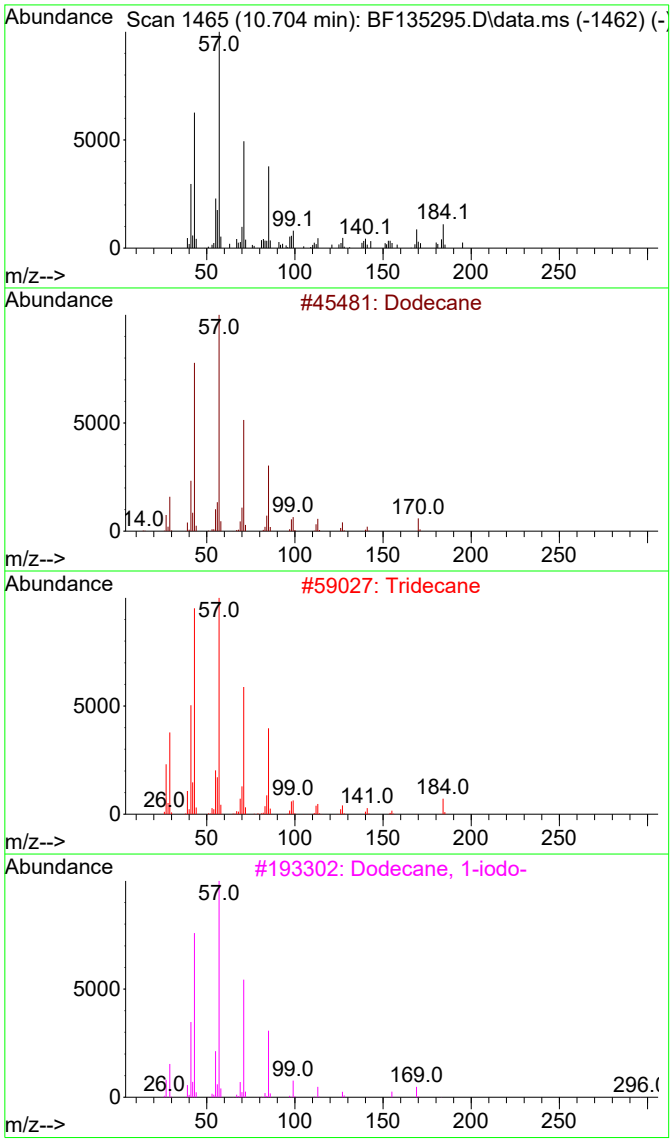
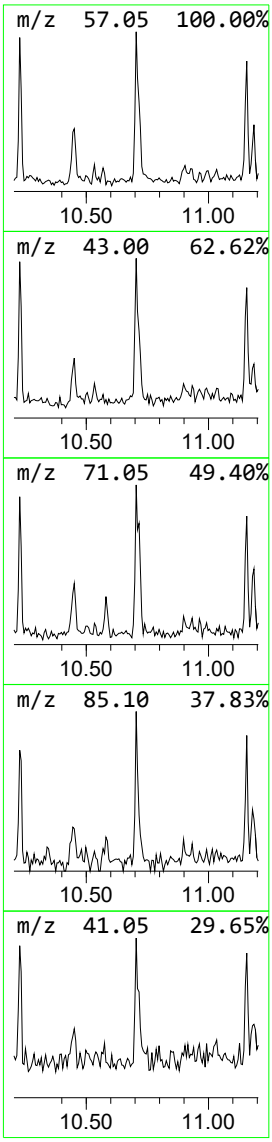
Peak Number 3 Dodecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	2.58 ng	74226	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Tridecane	184	C13H28	000629-50-5	74
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59
4	5-Ethyldecane	170	C12H26	017302-36-2	58
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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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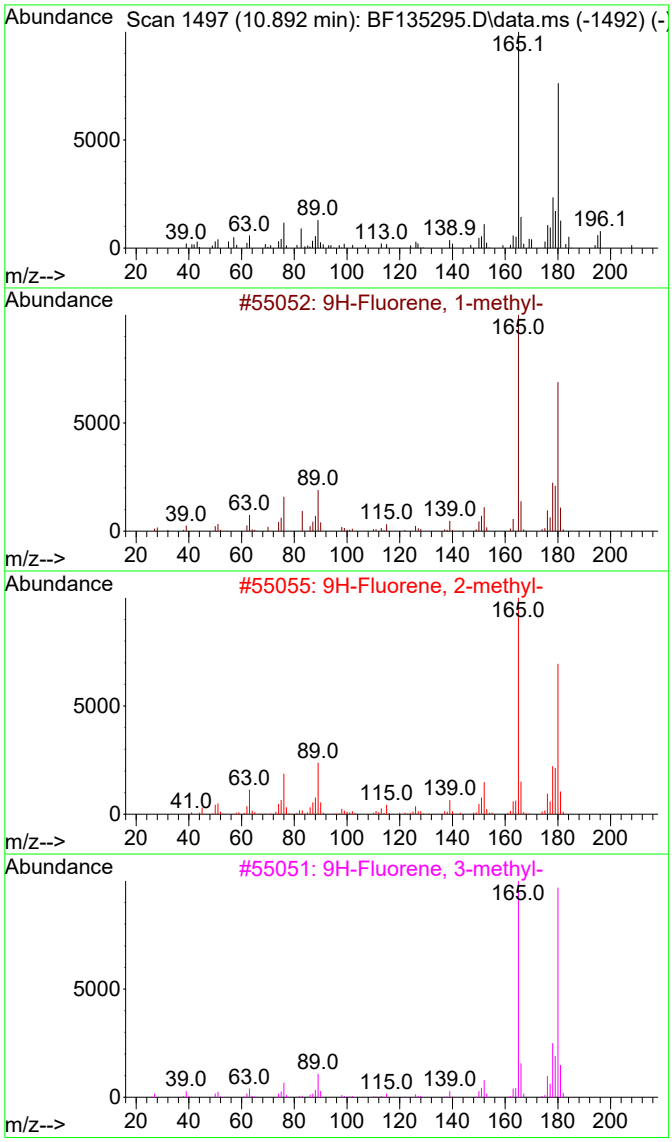
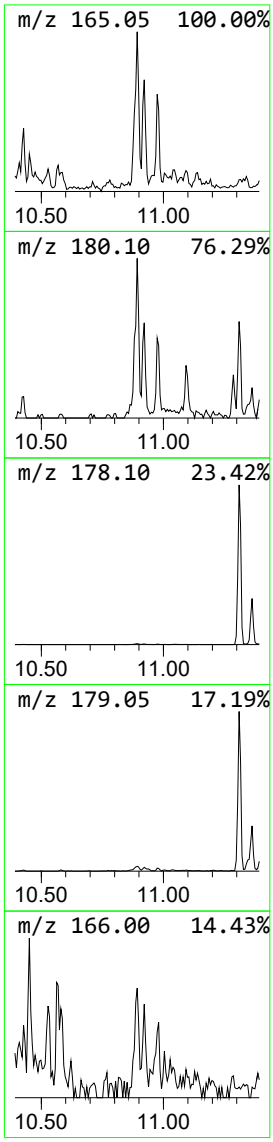
Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.892	2.30 ng	66087	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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

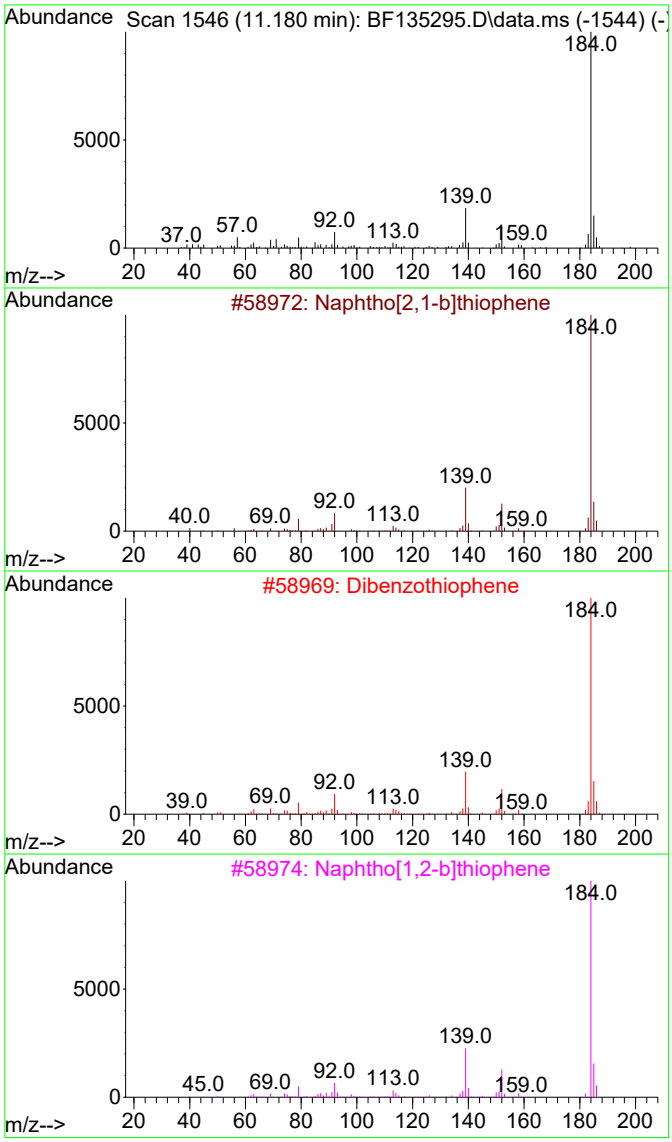
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

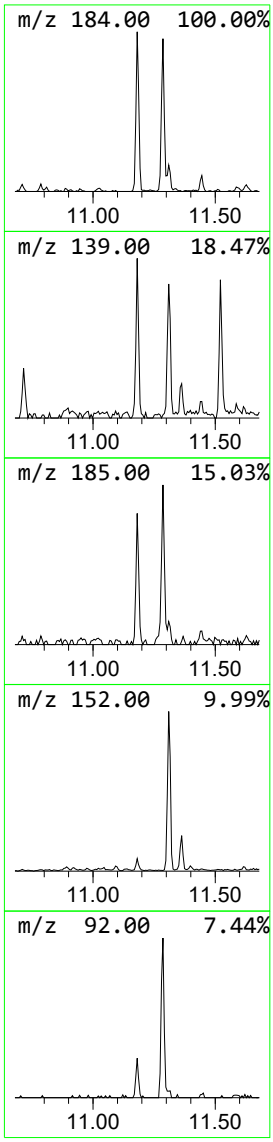
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.180	3.69 ng	106205	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-091223

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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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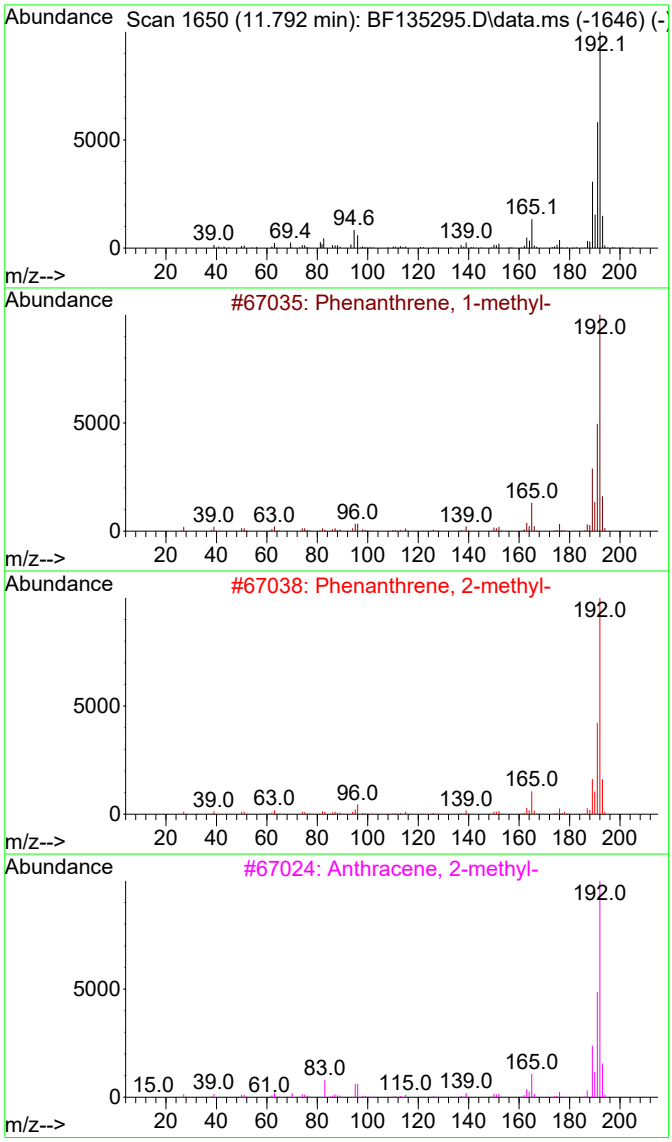
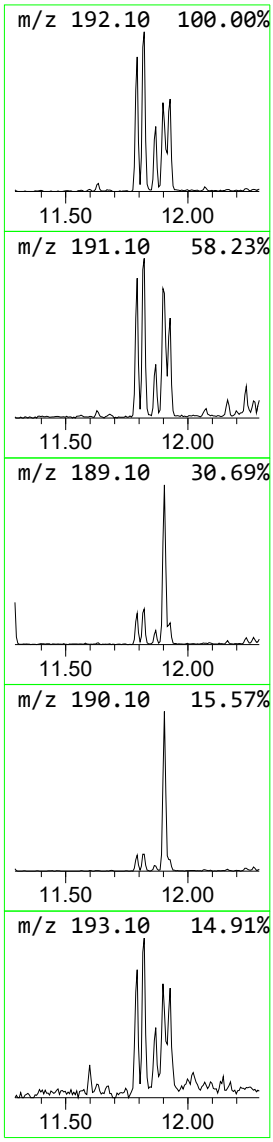
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	5.02 ng	144546	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-091223

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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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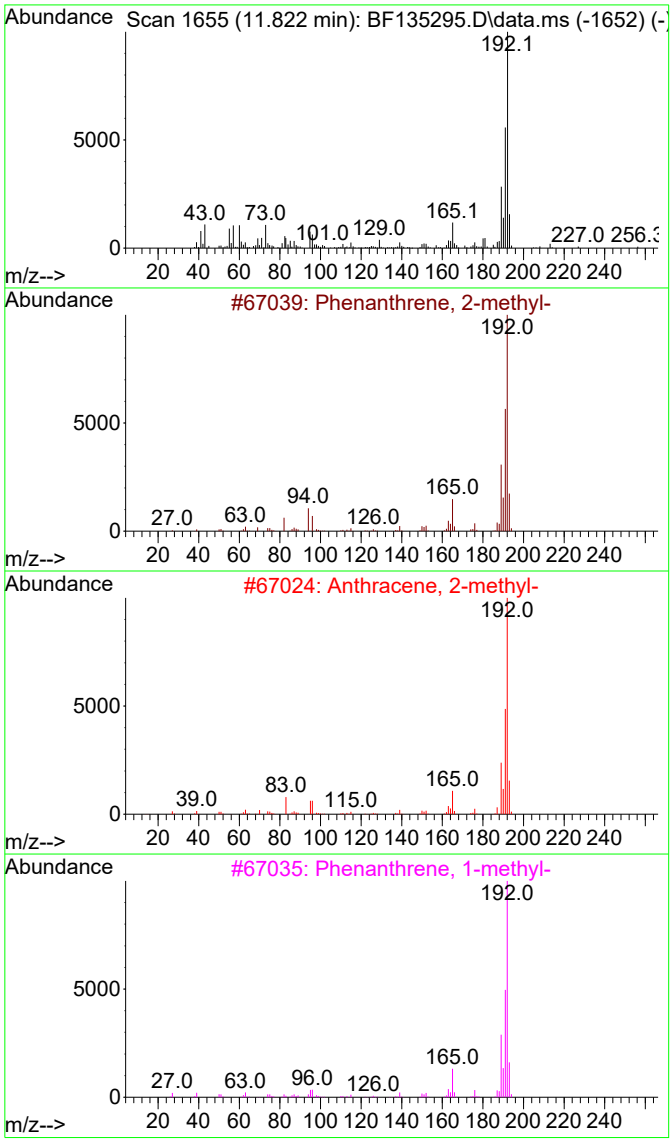
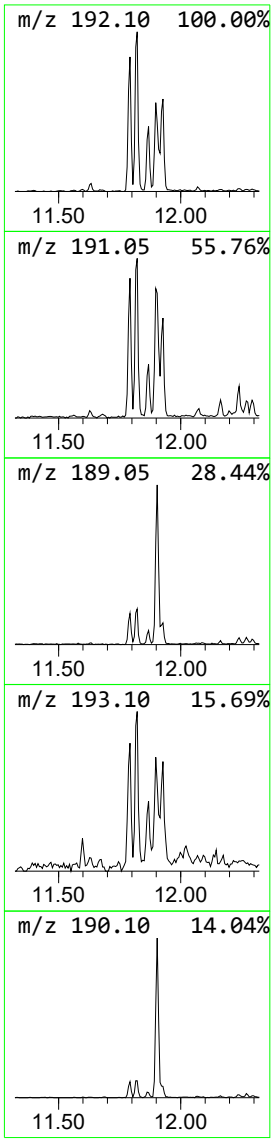
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	8.57 ng	246749	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-091223

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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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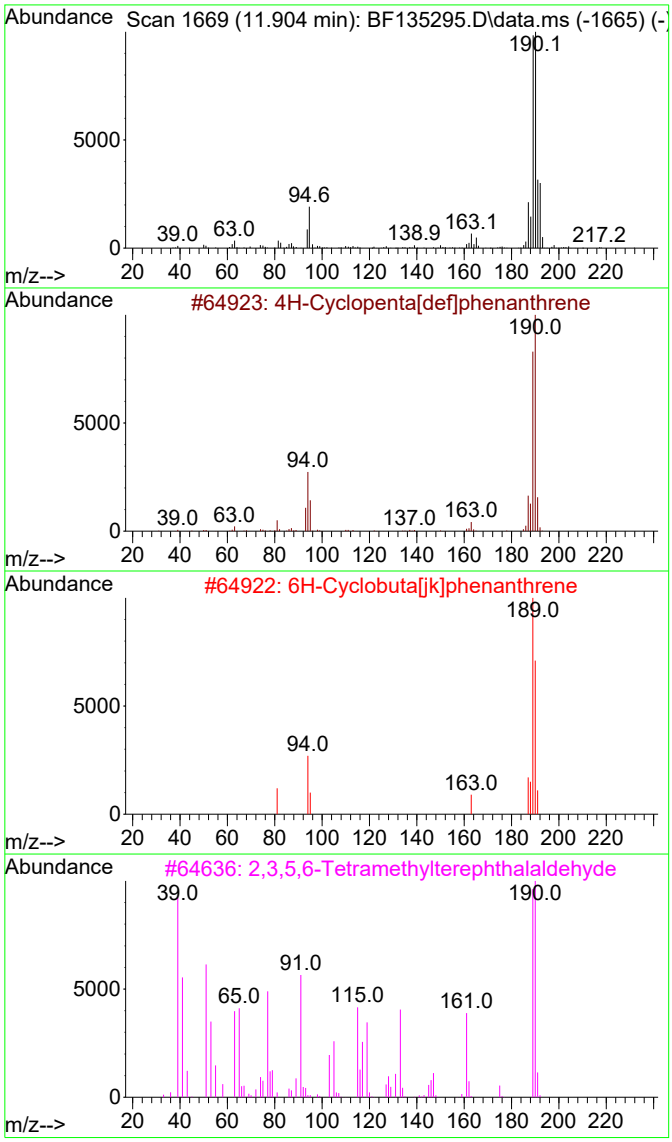
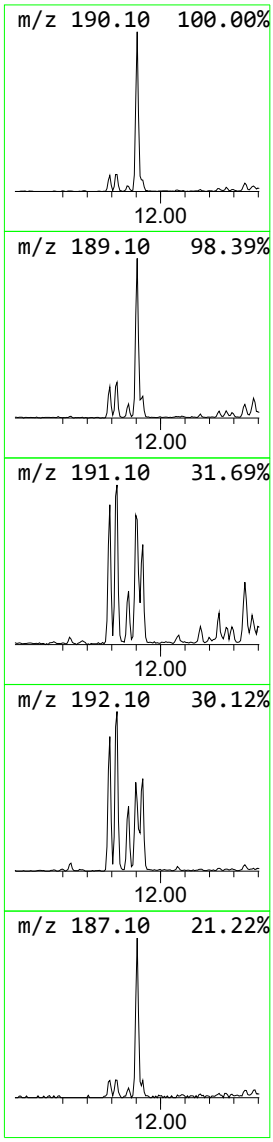
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	10.84 ng	311859	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25





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Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-091223

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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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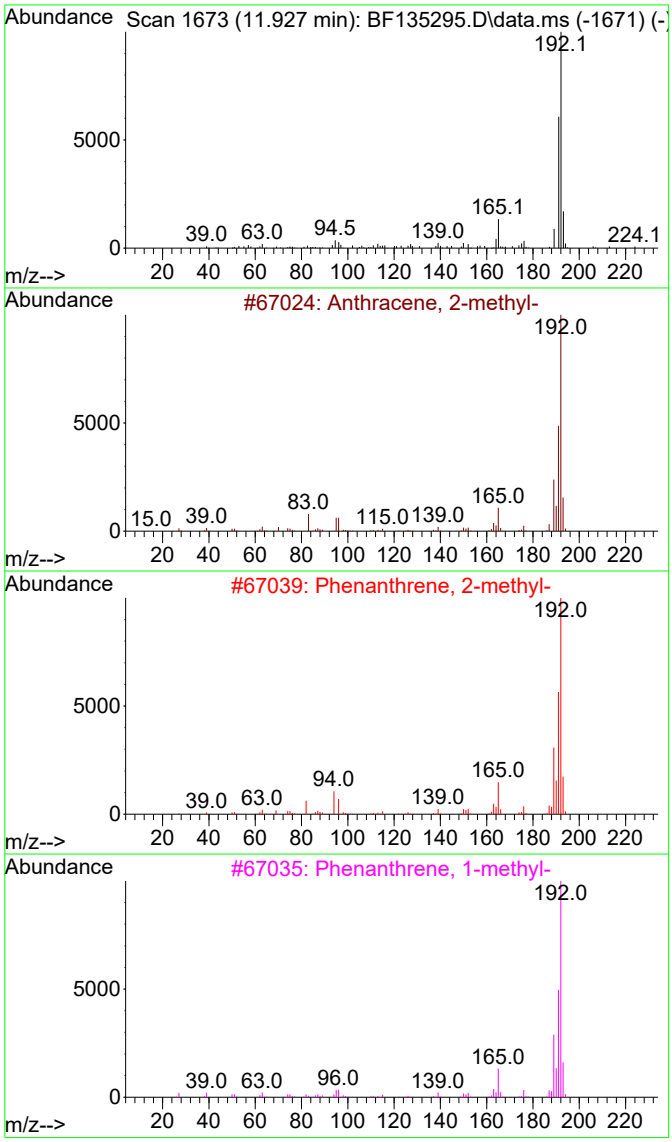
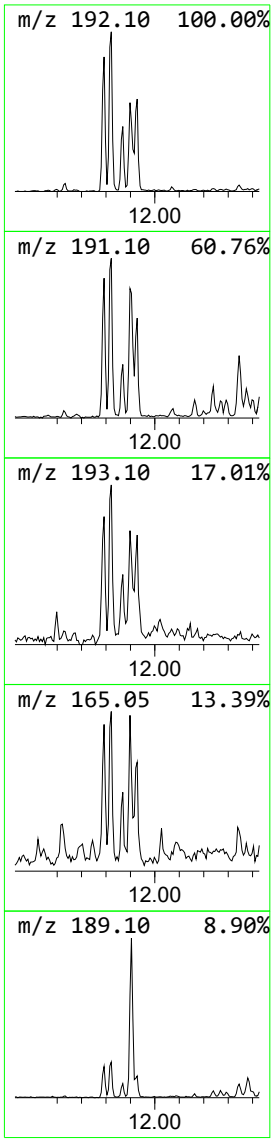
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.42 ng	98393	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Misc :
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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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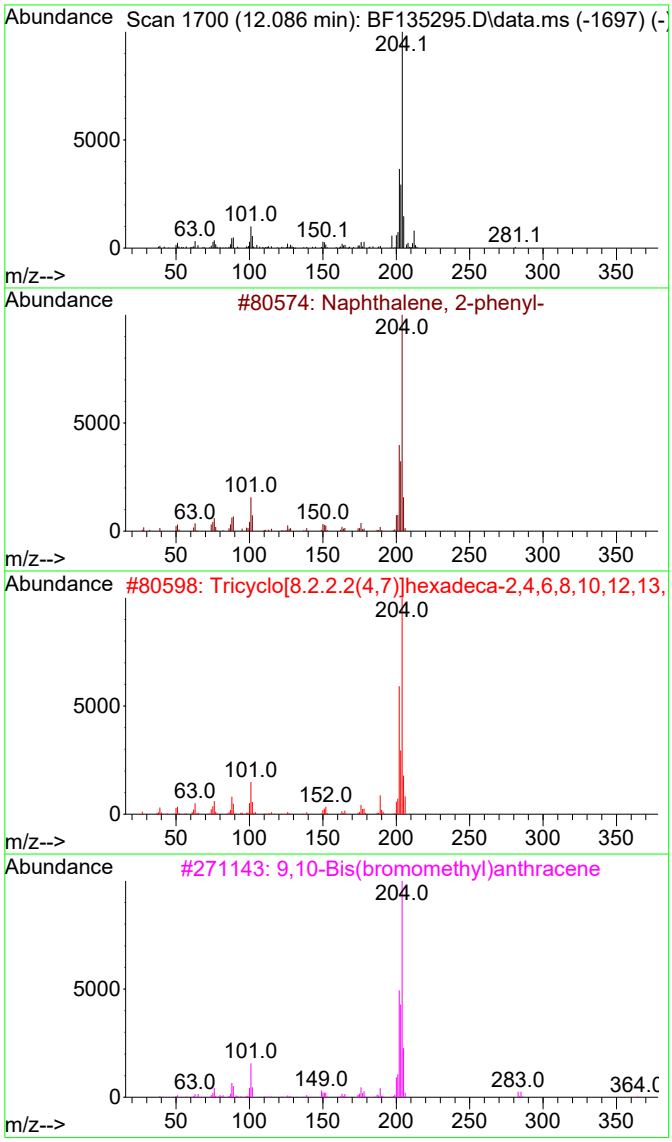
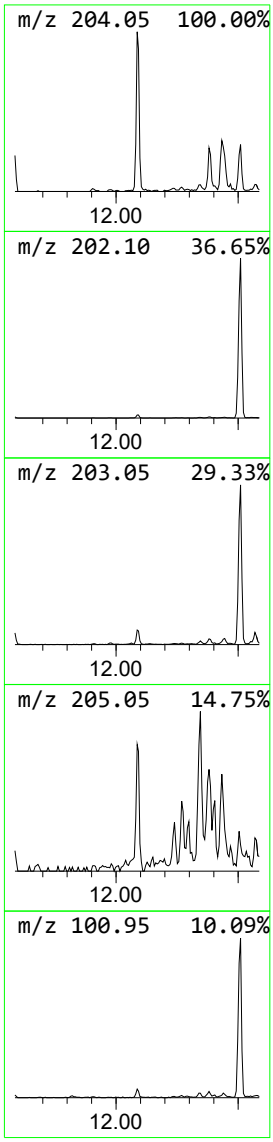
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	3.08 ng	88631	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52





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Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

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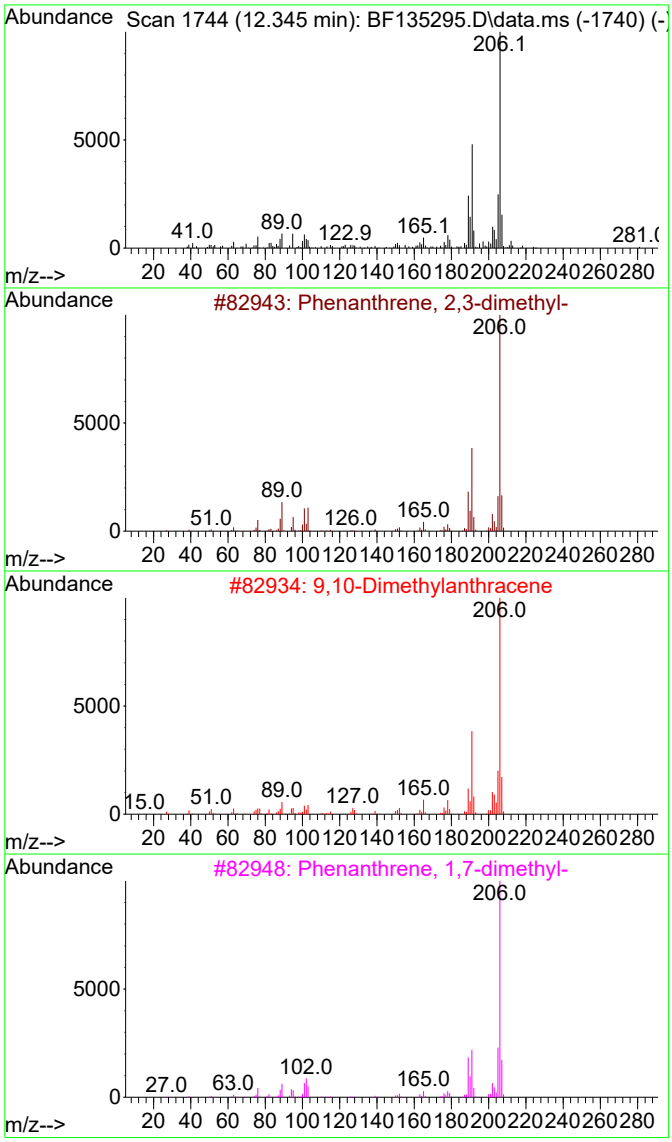
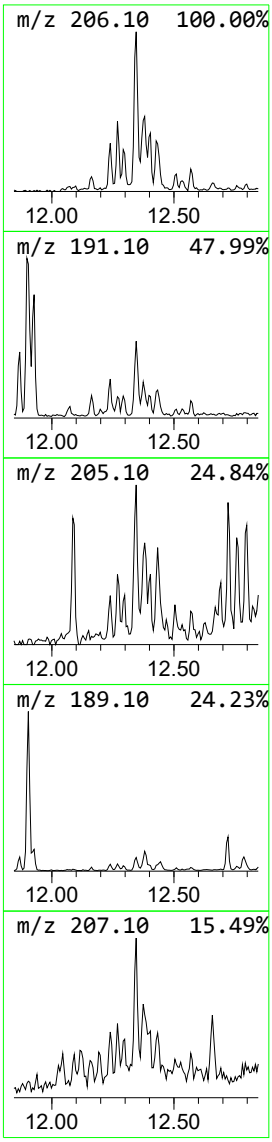
Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	4.28 ng	123301	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-091223

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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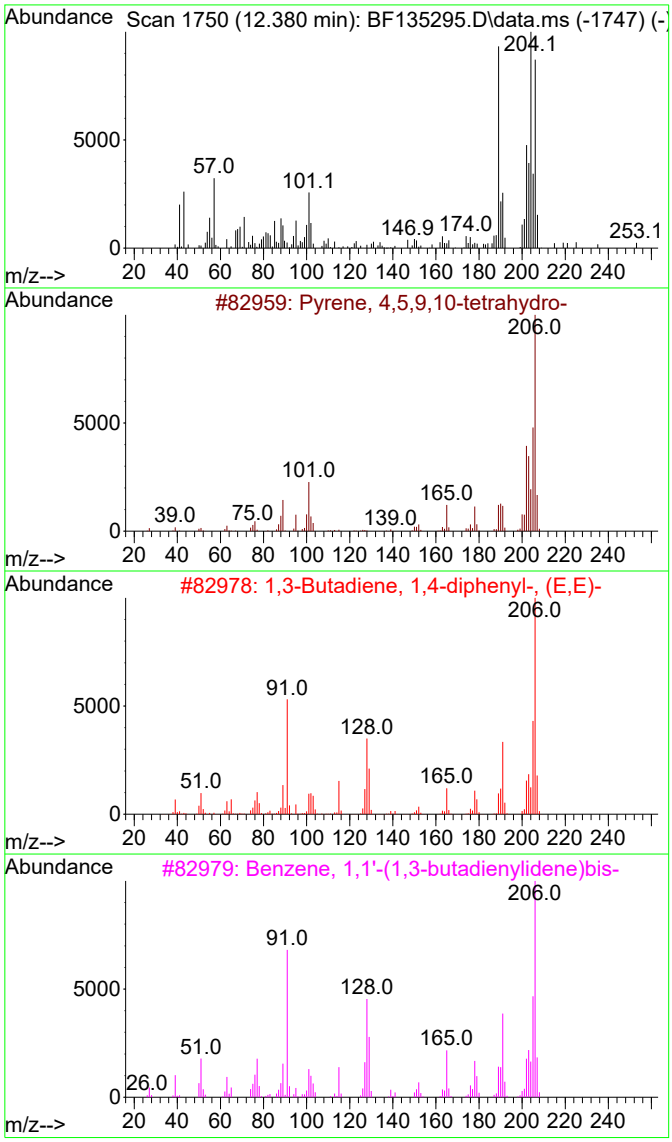
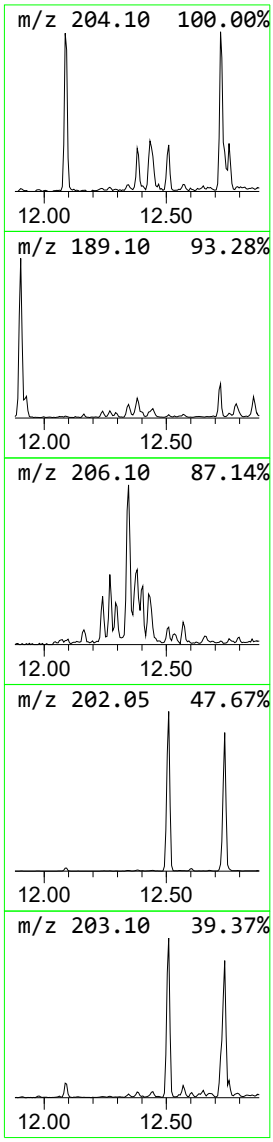
Peak Number 12 unknown12.380 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	3.01 ng	86487	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	30
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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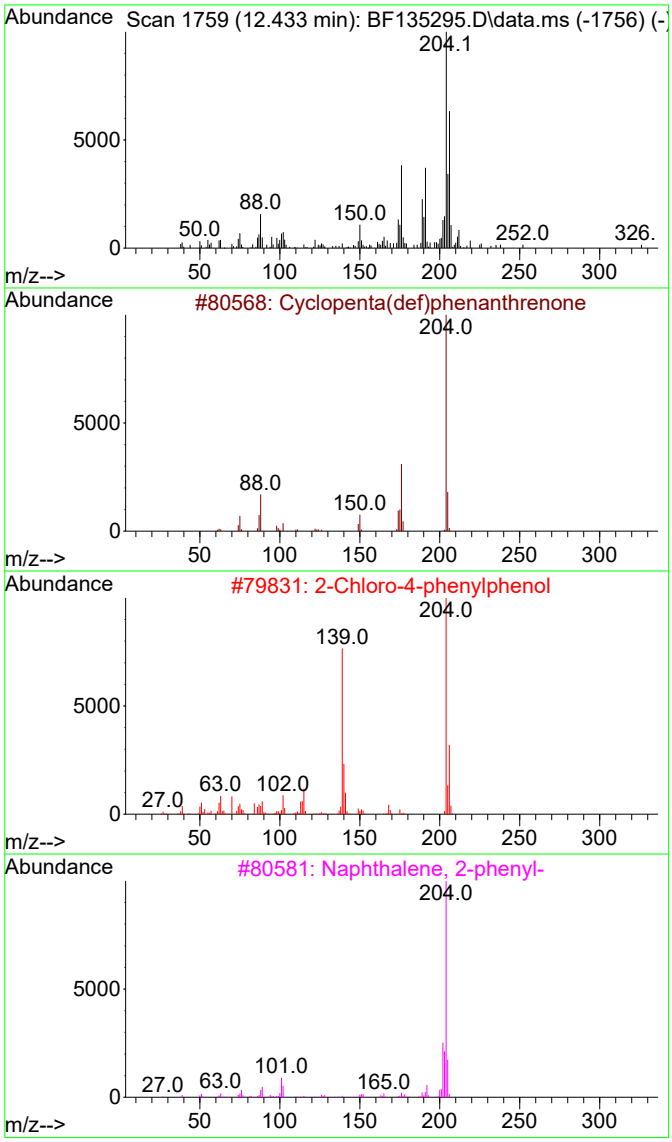
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

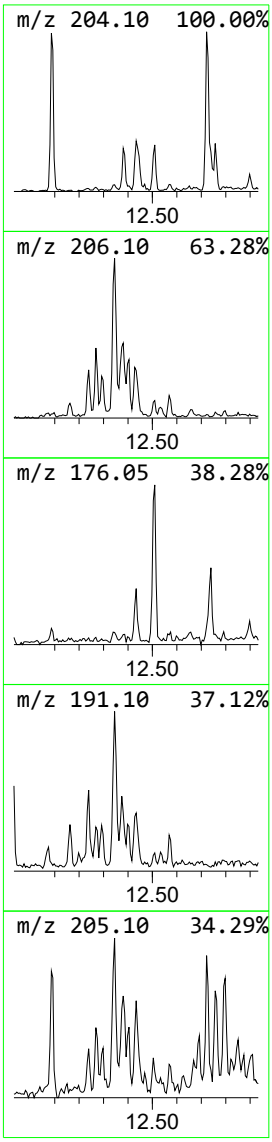
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	3.05 ng	87814	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	30





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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

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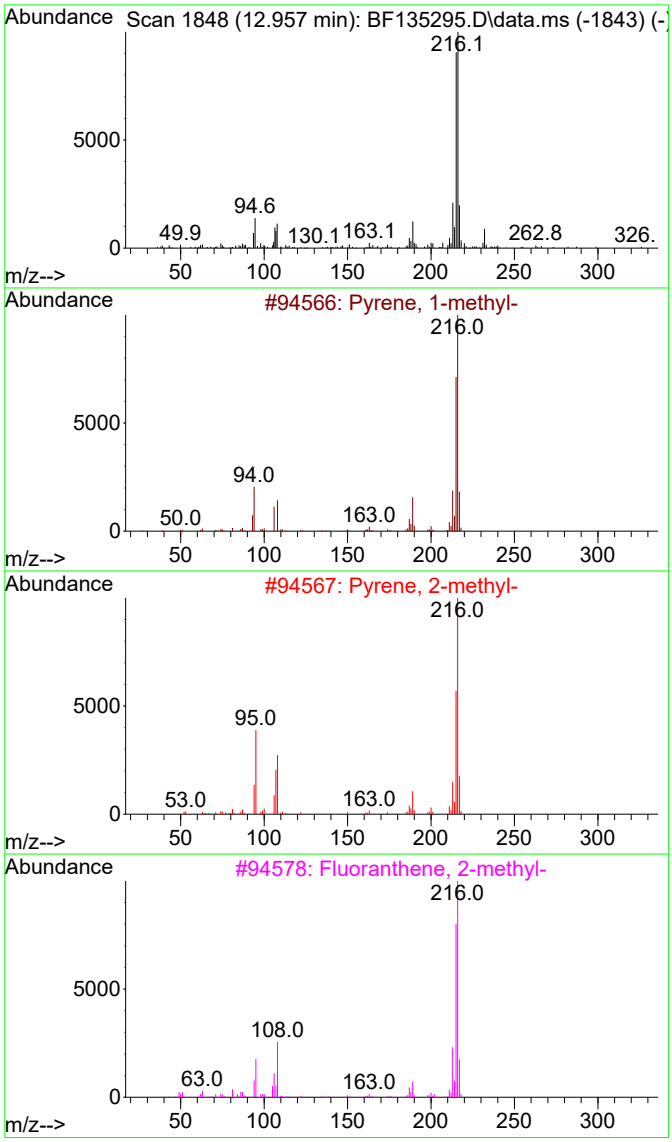
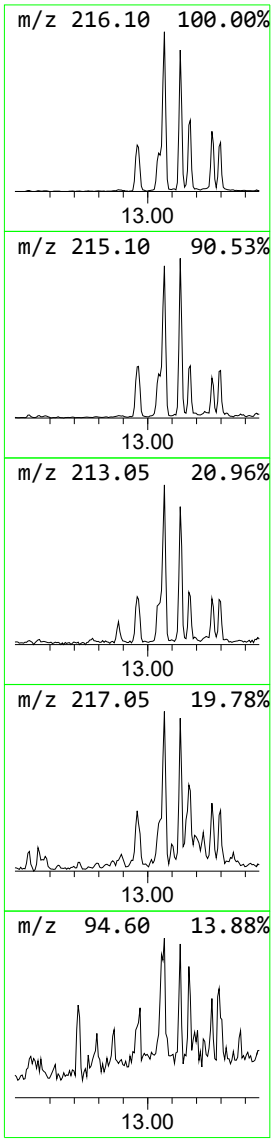
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.957	3.87 ng	192841	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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

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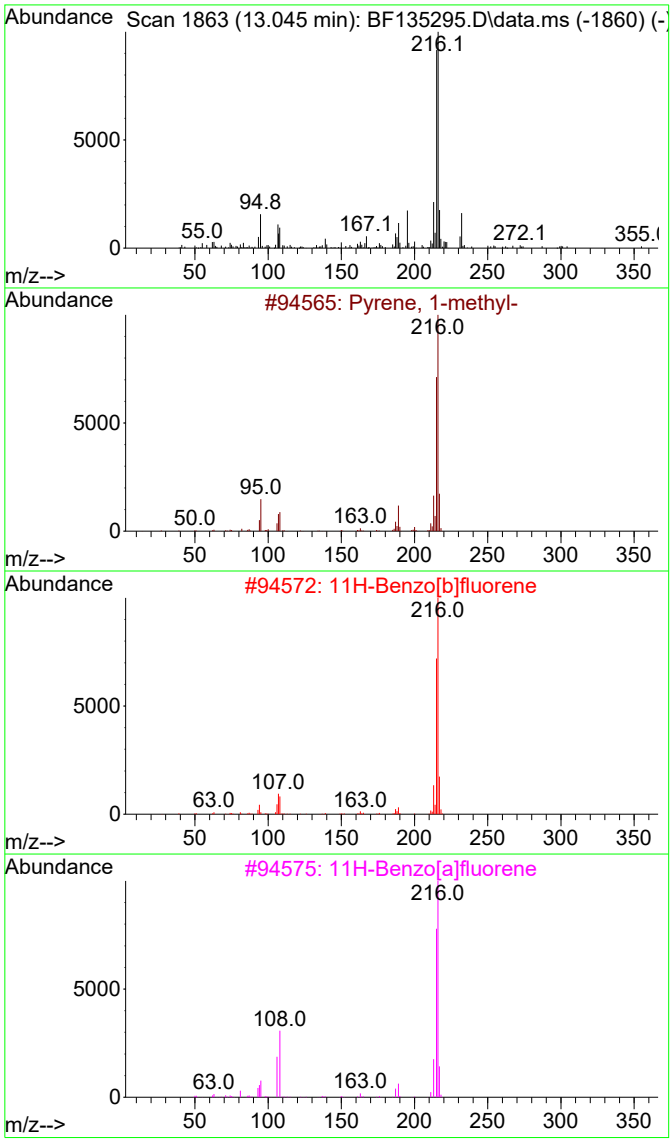
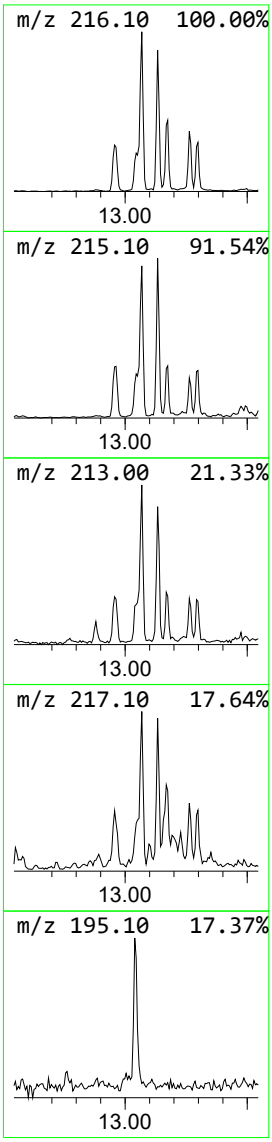
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	2.62 ng	130726	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	76





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ALS Vial : 20 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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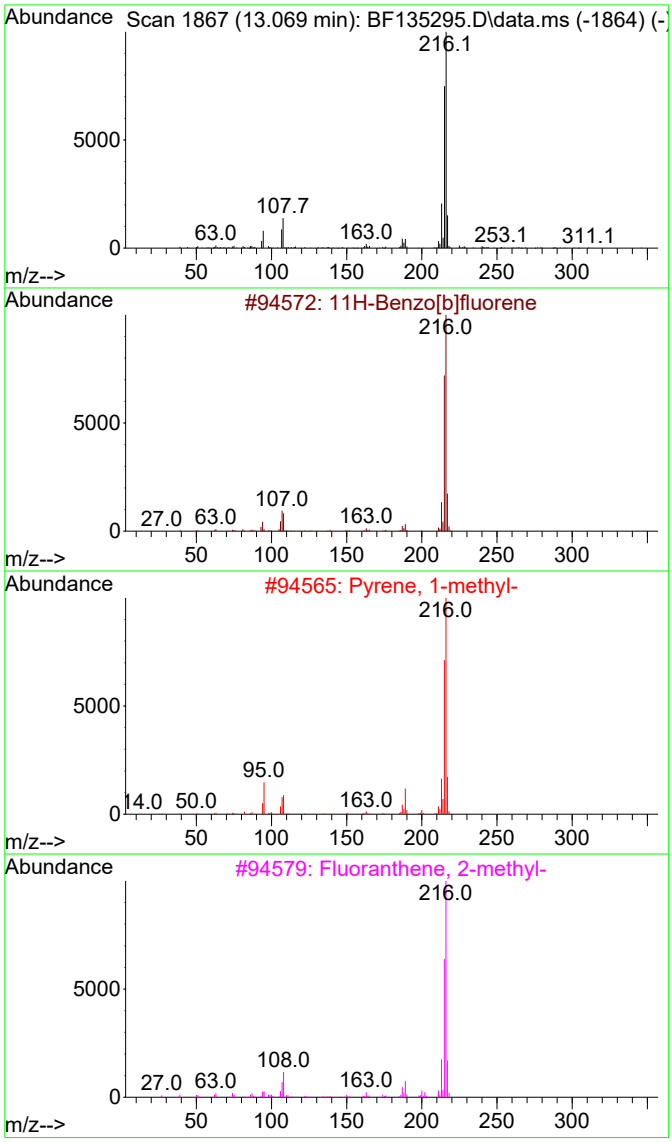
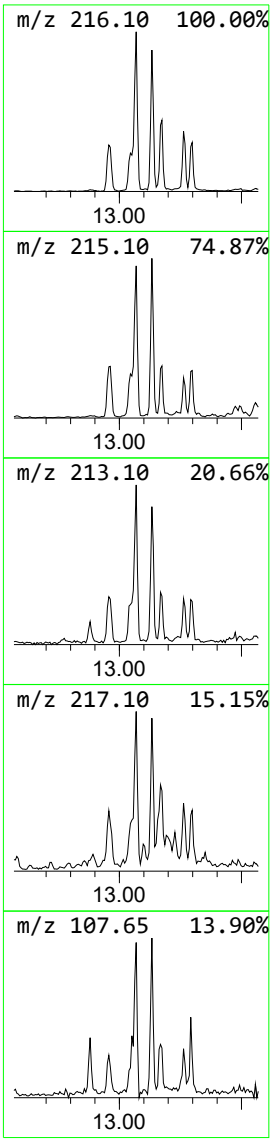
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	5.84 ng	291585	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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Sample : 04405-01 5X
Misc :
ALS Vial : 20 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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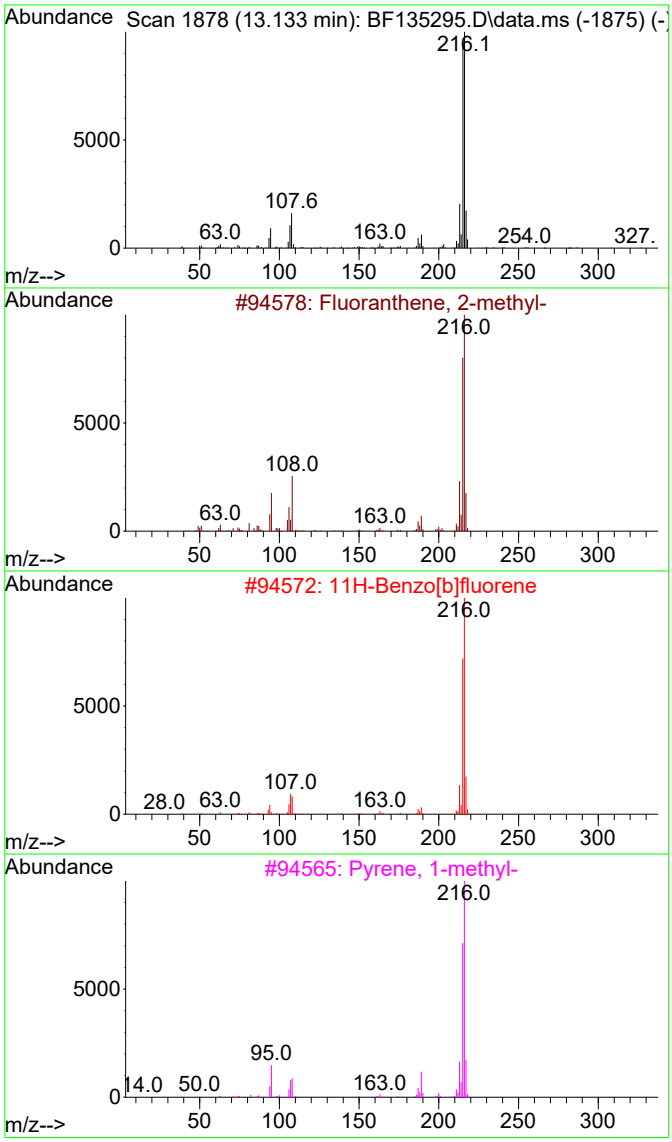
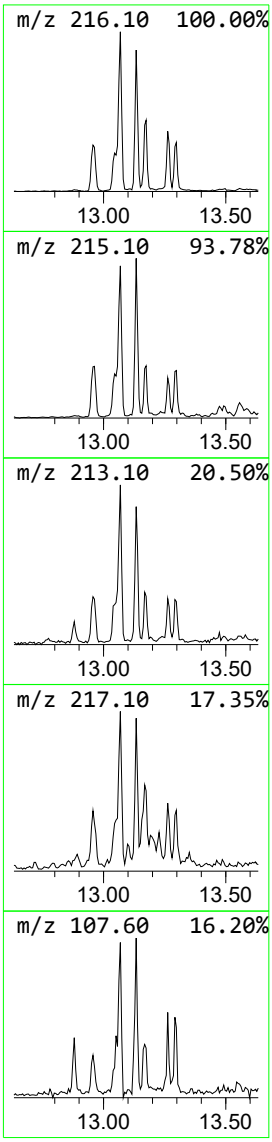
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	4.12 ng	205595	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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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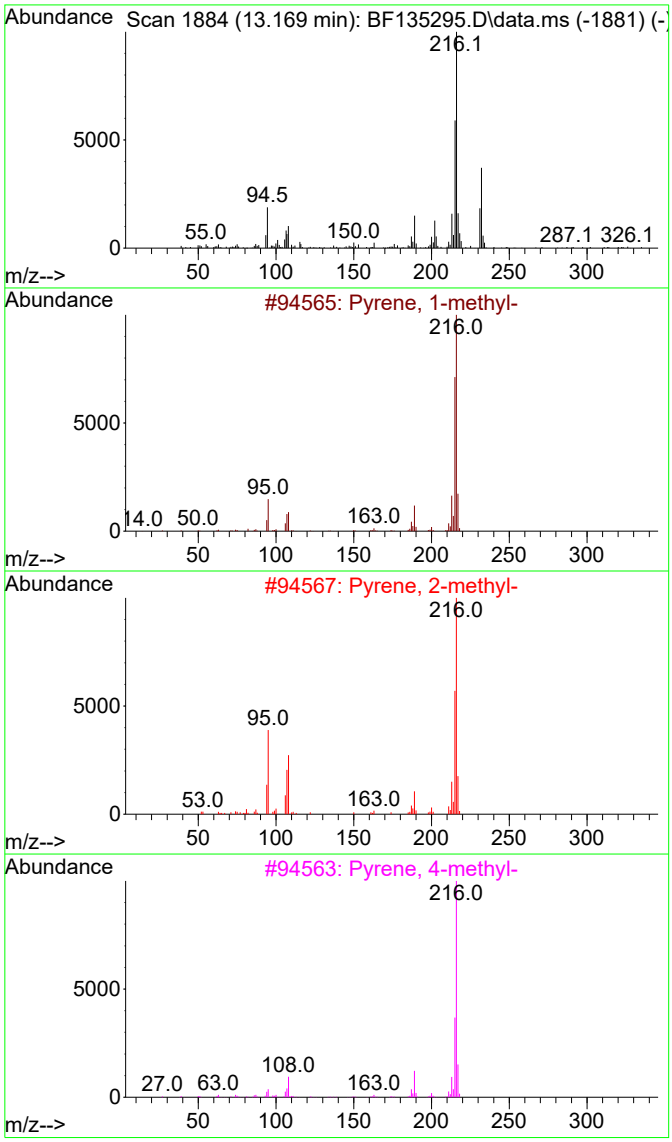
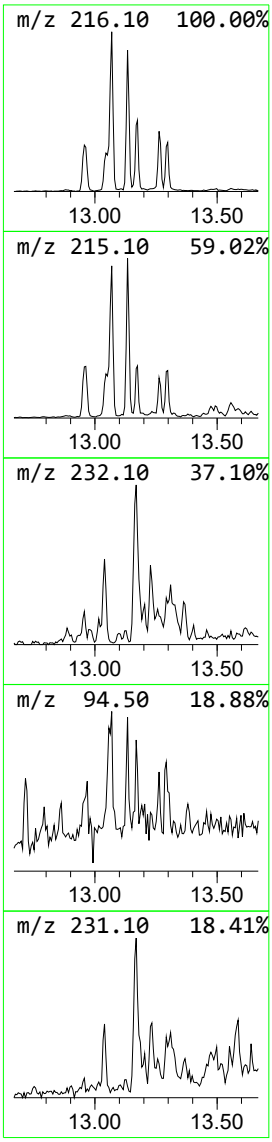
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.169	3.09 ng	154406	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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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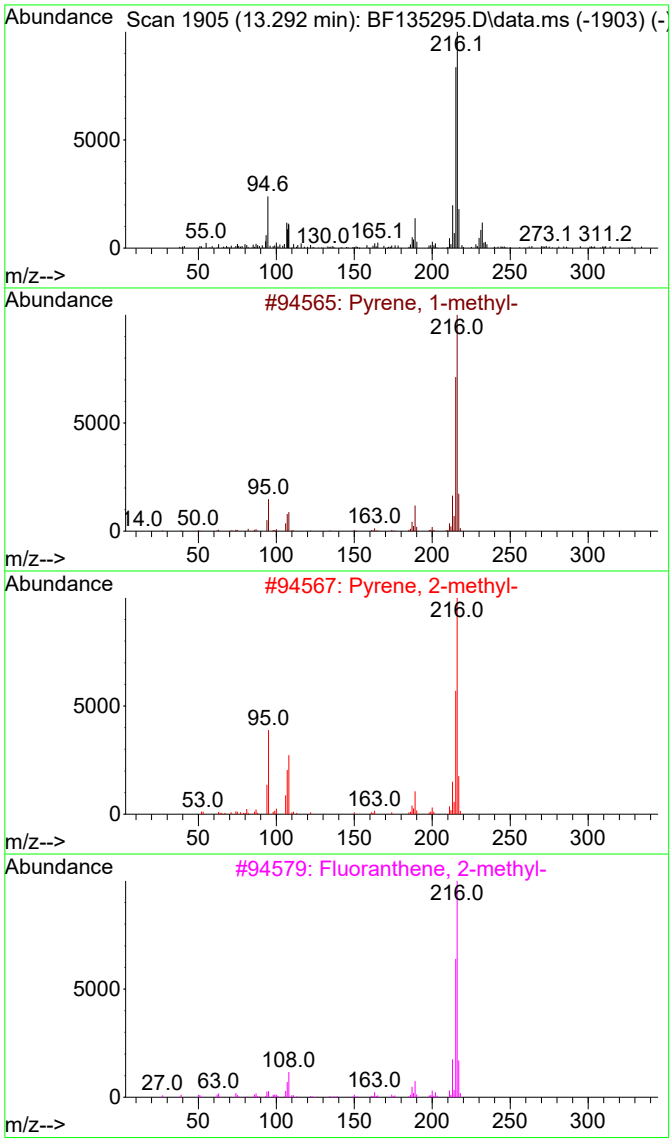
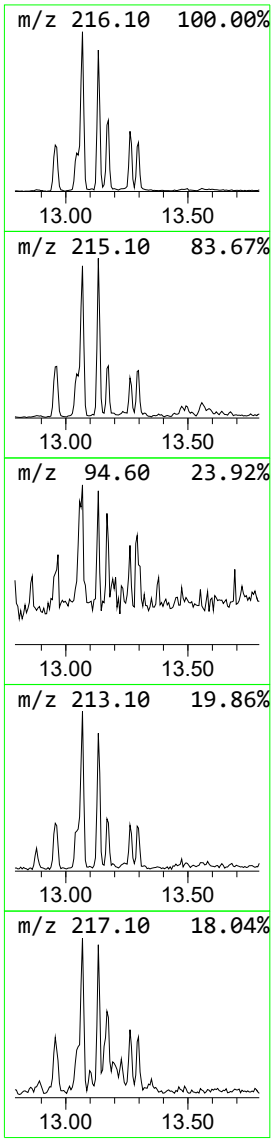
Peak Number 19 7H-Benzo[c]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	2.18 ng	108953	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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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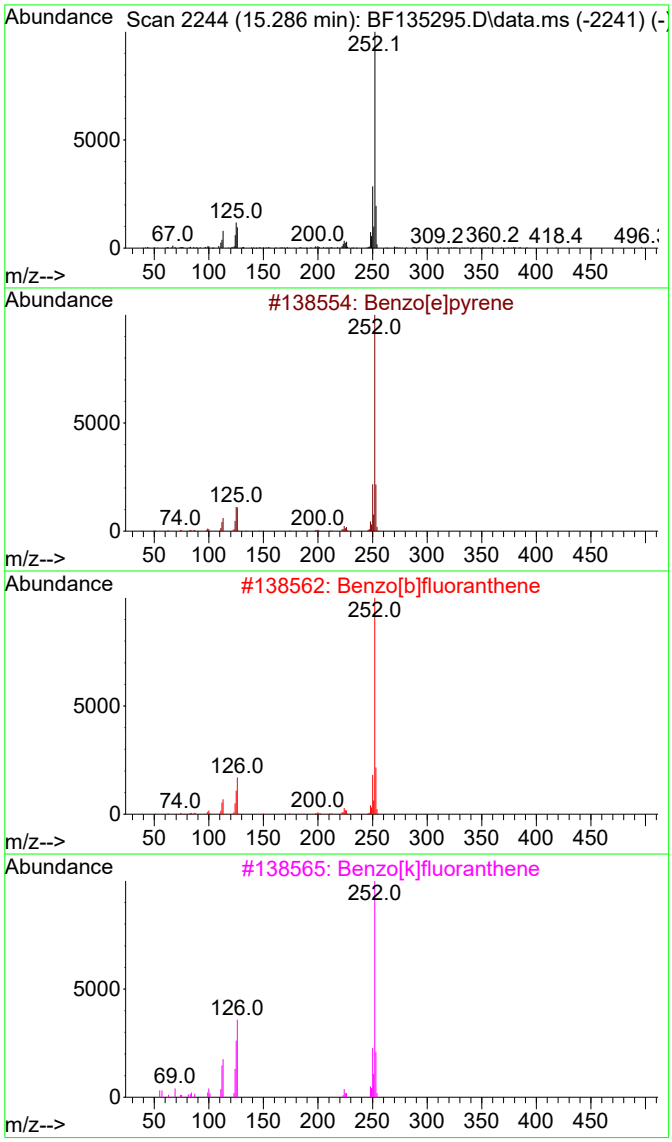
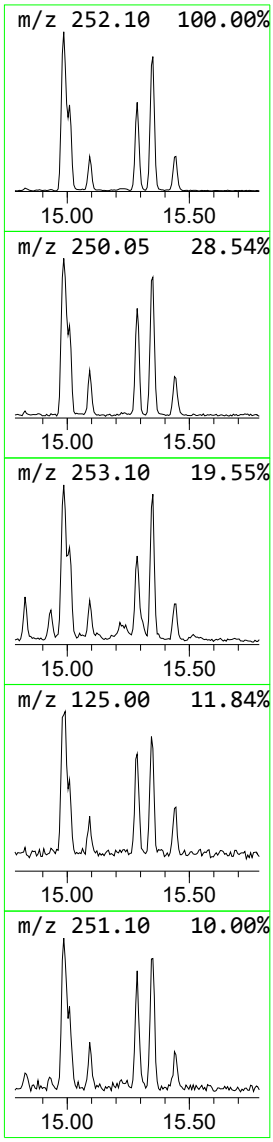
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.286	10.88 ng	195489	Perylene-d12	15.410

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	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135295.D
Acq On : 15 Sep 2023 23:41
Operator : CG\JU
Sample : 04405-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091223

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
Naphthalene, 2,...	9.380	2.3	ng	63141	3	9.792	548139	20.0
Naphthalene, 1,...	9.451	2.9	ng	80213	3	9.792	548139	20.0
Dodecane	10.704	2.6	ng	74226	4	11.286	575534	20.0
9H-Fluorene, 1-...	10.892	2.3	ng	66087	4	11.286	575534	20.0
Naphtho[2,1-b]t...	11.180	3.7	ng	106205	4	11.286	575534	20.0
Phenanthrene, 1...	11.792	5.0	ng	144546	4	11.286	575534	20.0
Phenanthrene, 2...	11.822	8.6	ng	246749	4	11.286	575534	20.0
4H-Cyclopenta[d...	11.904	10.8	ng	311859	4	11.286	575534	20.0
Anthracene, 2-m...	11.927	3.4	ng	98393	4	11.286	575534	20.0
Naphthalene, 2-...	12.086	3.1	ng	88631	4	11.286	575534	20.0
Phenanthrene, 2...	12.345	4.3	ng	123301	4	11.286	575534	20.0
unknown12.380	12.380	3.0	ng	86487	4	11.286	575534	20.0
Cyclopenta(def)...	12.433	3.0	ng	87814	4	11.286	575534	20.0
Pyrene, 1-methyl-	12.957	3.9	ng	192841	5	13.945	997846	20.0
11H-Benzo[b]flu...	13.045	2.6	ng	130726	5	13.945	997846	20.0
Fluoranthene, 2...	13.069	5.8	ng	291585	5	13.945	997846	20.0
11H-Benzo[a]flu...	13.133	4.1	ng	205595	5	13.945	997846	20.0
Pyrene, 2-methyl-	13.169	3.1	ng	154406	5	13.945	997846	20.0
7H-Benzo[c]fluo...	13.292	2.2	ng	108953	5	13.945	997846	20.0
Benzo[e]pyrene	15.286	10.9	ng	195489	6	15.410	359239	20.0