LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134331.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.492	403	409	418	rBV4	9393	16963	1.80%	0.134%
2	4.998	493	495	499	rVB2	16555	16970	1.80%	0.134%
3	5.057	501	505	511	rBV2	23077	34640	3.68%	0.275%
4	5.257	534	539	542	rBV	32455	39307	4.18%	0.311%
5	5.434	566	569	572	rVV	21826	19874	2.11%	0.157%
6	5.469	572	575	583	rVV	484900	465090	49.42%	3.686%
7	5.534	583	586	591	rVB	25222	27804	2.95%	0.220%
8	5.616	596	600	604	rVV3	19241	29146	3.10%	0.231%
9	5.651	604	606	609	rVV	29754	26620	2.83%	0.211%
10	5.692	609	613	619	rVV3	12201	20281	2.15%	0.161%
11	5.745	619	622	627	rVB	40580	35588	3.78%	0.282%
12	5.863	639	642	645	rVB2	25121	24339	2.59%	0.193%
13	5.992	660	664	668	rVB2	15001	17175	1.82%	0.136%
14	6.086	677	680	686	rVB3	15048	19527	2.07%	0.155%
15	6.475	742	746	759	rBV	507538	485132	51.55%	3.844%
16	6.669	775	779	785	rBV7	8038	14753	1.57%	0.117%
17	6.839	804	808	814	rBV	502916	403940	42.92%	3.201%
18	7.398	900	903	911	rBV	335975	285734	30.36%	2.264%
19	8.116	1022	1025	1028	rBV	635590	492914	52.37%	3.906%
20	8.139	1028	1029	1033	rVB	39775	20000	2.13%	0.158%
21	8.827	1144	1146	1149	rBV	30569	26887	2.86%	0.213%
22	8.927	1159	1163	1167	rBV	40421	34840	3.70%	0.276%
23	9.133	1195	1198	1202	rVB3	11800	11830	1.26%	0.094%
24	9.192	1204	1208	1211	rBV	727678	539615	57.33%	4.276%
25	9.269	1216	1221	1223	rBV3	15690	15531	1.65%	0.123%
26	9.463	1248	1254	1256	rBV2	25963	33442	3.55%	0.265%
27	9.533	1262	1266	1268	rBV	36095	36506	3.88%	0.289%
28	9.557	1268	1270	1272	rVV	21382	18907	2.01%	0.150%
29	9.592	1274	1276	1283	rVB2	14398	15875	1.69%	0.126%
30	9.651	1283	1286	1288	rBV	16653	15387	1.63%	0.122%
31	9.733	1297	1300	1306	rBV	68851	64631	6.87%	0.512%
32	9.874	1321	1324	1327	rVV	589076	450867	47.90%	3.573%
33	9.910	1327	1330	1333	rVB	72969	63692	6.77%	0.505%
34	9.980	1339	1342	1345	rBV3	13819	16517	1.75%	0.131%
35	10.033	1346	1351	1354	rVV4	11862	17864	1.90%	0.142%
36	10.080	1354	1359	1363	rVV2	59622	61716	6.56%	0.489%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.116	1363	1365	1369	rVB2	19759	17992	1.91%	0.143%
38	10.192	1374	1378	1380	rBV3	20122	21812	2.32%	0.173%
39	10.280	1389	1393	1395	rBV5	17687	22834	2.43%	0.181%
40	10.304	1395	1397	1399	rVV	24753	18264	1.94%	0.145%
41	10.427	1414	1418	1424	rVB2	124164	122806	13.05%	0.973%
42	10.492	1424	1429	1430	rBV2	12776	18582	1.97%	0.147%
43	10.580	1441	1444	1447	rVB	25929	25689	2.73%	0.204%
44	10.669	1455	1459	1463	rBV	364148	306200	32.53%	2.426%
45	10.792	1475	1480	1484	rBV3	35539	50702	5.39%	0.402%
46	10.863	1487	1492	1495	rBV6	13738	20284	2.16%	0.161%
47	10.974	1507	1511	1514	rBV2	30229	38737	4.12%	0.307%
48	11.004	1514	1516	1519	rVV2	24263	19924	2.12%	0.158%
49	11.057	1523	1525	1528	rVB	19850	18291	1.94%	0.145%
50	11.104	1528	1533	1535	rBV5	16731	23023	2.45%	0.182%
51	11.127	1535	1537	1540	rVV4	16891	17353	1.84%	0.138%
52	11.174	1542	1545	1548	rVV2	21860	22167	2.36%	0.176%
53	11.227	1550	1554	1556	rVV3	28580	32396	3.44%	0.257%
54	11.263	1557	1560	1566	rVB2	72339	76276	8.10%	0.604%
55	11.368	1575	1578	1580	rBV	519631	462784	49.17%	3.667%
56	11.398	1580	1583	1586	rVV	766323	702430	74.63%	5.566%
57	11.445	1588	1591	1594	rVV	200198	166473	17.69%	1.319%
58	11.480	1594	1597	1600	rVV2	24394	30073	3.20%	0.238%
59	11.527	1603	1605	1607	rBV3	11800	13423	1.43%	0.106%
60	11.604	1615	1618	1623	rBV	77335	72377	7.69%	0.574%
61	11.663	1625	1628	1632	rVV2	35612	35586	3.78%	0.282%
62	11.704	1632	1635	1639	rVB2	48492	54367	5.78%	0.431%
63	11.786	1646	1649	1652	rVB	31361	31744	3.37%	0.252%
64	11.833	1654	1657	1659	rBV4	14179	16529	1.76%	0.131%
65	11.874	1661	1664	1666	rVV	138975	126798	13.47%	1.005%
66	11.904	1666	1669	1673	rVV	217432	201275	21.39%	1.595%
67	11.951	1674	1677	1680	rVV	54975	51893	5.51%	0.411%
68	11.986	1680	1683	1686	rVV	246563	260235	27.65%	2.062%
69	12.010	1686	1687	1691	rVB	103380	61272	6.51%	0.486%
70	12.068	1693	1697	1702	rBV4	26366	48529	5.16%	0.385%
71	12.110	1702	1704	1706	rBV	27992	20763	2.21%	0.165%
72	12.168	1712	1714	1717	rBV	77099	71261	7.57%	0.565%
73	12.204	1717	1720	1723	rVB2	61629	55297	5.88%	0.438%
74	12.304	1734	1737	1738	rBV2	23684	20621	2.19%	0.163%
75	12.351	1743	1745	1748	rVV	47134	43478	4.62%	0.345%
76	12.374	1748	1749	1752	rVB	31688	25134	2.67%	0.199%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
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Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

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 >
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.427	1755	1758	1761	rBV	104350	109804	11.67%	0.870%
78	12.463	1761	1764	1767	rVV3	68468	87761	9.32%	0.695%
79	12.521	1770	1774	1778	rBV2	53897	83891	8.91%	0.665%
80	12.592	1783	1786	1790	rBV	932928	877290	93.21%	6.952%
81	12.639	1792	1794	1795	rBV2	23717	14855	1.58%	0.118%
82	12.692	1800	1803	1806	rVB2	36089	29425	3.13%	0.233%
83	12.745	1809	1812	1815	rVV2	46402	46035	4.89%	0.365%
84	12.827	1820	1826	1831	rBV	807913	941172	100.00%	7.458%
85	12.874	1832	1834	1838	rVB2	49828	61008	6.48%	0.483%
86	12.962	1846	1849	1857	rVB	530840	510813	54.27%	4.048%
87	13.039	1859	1862	1867	rVV2	63060	100663	10.70%	0.798%
88	13.098	1870	1872	1874	rVV3	24847	18033	1.92%	0.143%
89	13.133	1874	1878	1879	rVV3	59892	79230	8.42%	0.628%
90	13.157	1879	1882	1885	rVB	140748	150089	15.95%	1.189%
91	13.221	1891	1893	1896	rVB	112610	80024	8.50%	0.634%
92	13.257	1896	1899	1906	rVB2	88505	111156	11.81%	0.881%
93	13.351	1913	1915	1918	rVB	54883	42914	4.56%	0.340%
94	13.386	1918	1921	1923	rBV	54064	56788	6.03%	0.450%
95	13.780	1986	1988	1990	rBV	47911	36708	3.90%	0.291%
96	14.027	2026	2030	2034	rBV2	431060	663472	70.49%	5.258%
97	14.057	2034	2035	2043	rVB	276609	233992	24.86%	1.854%
98	15.098	2209	2212	2219	rVB	174874	298788	31.75%	2.368%
99	15.474	2273	2276	2283	rVB	167663	242272	25.74%	1.920%
100	15.539	2284	2287	2303	rVB2	195649	377405	40.10%	2.991%

Sum of corrected areas: 12619166

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
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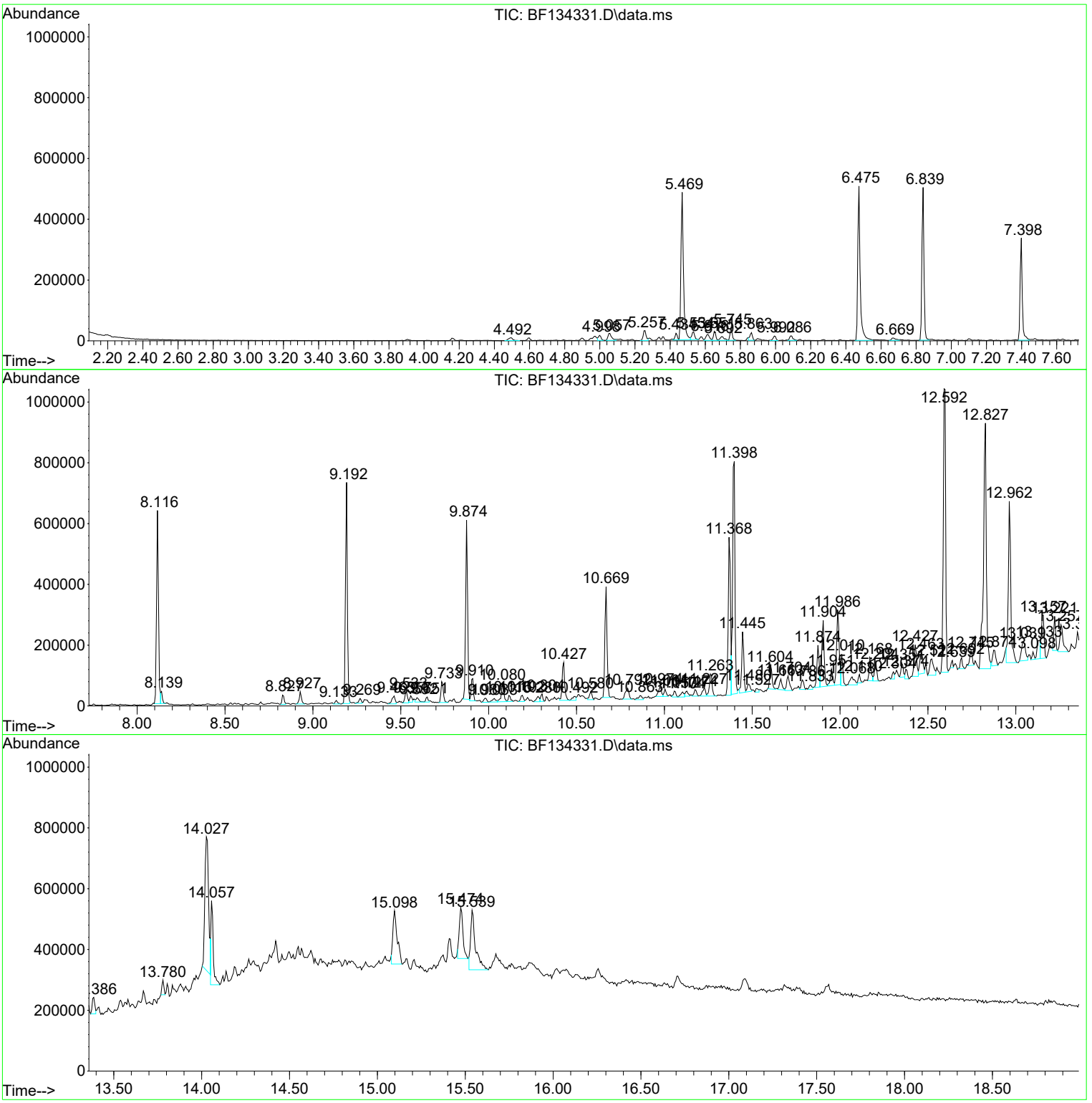
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
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Sample : 03621-01 2X
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Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

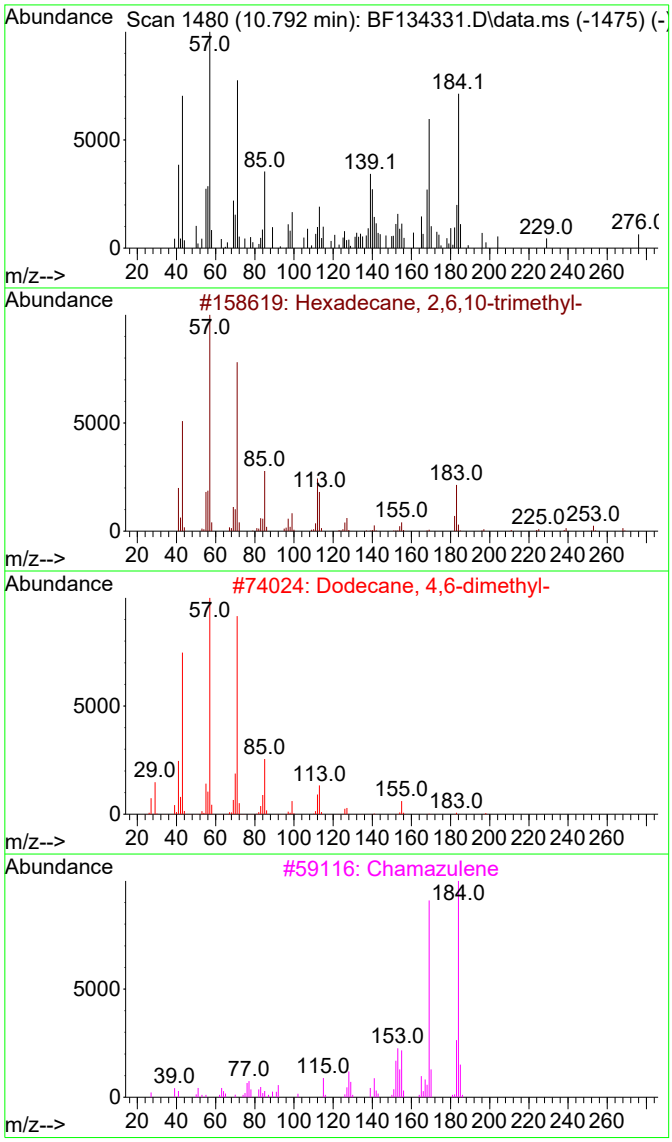
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

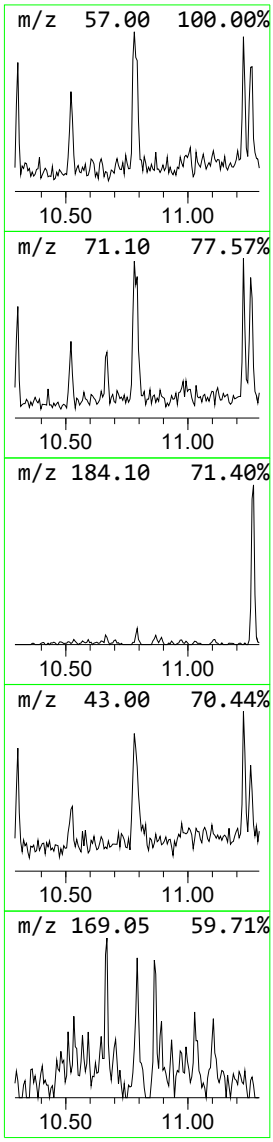
****

Peak Number 2 unknown10.792 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.792	2.19 ng	50702	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	43
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	42
3	Chamazulene	184	C14H16	000529-05-5	38
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38
5	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

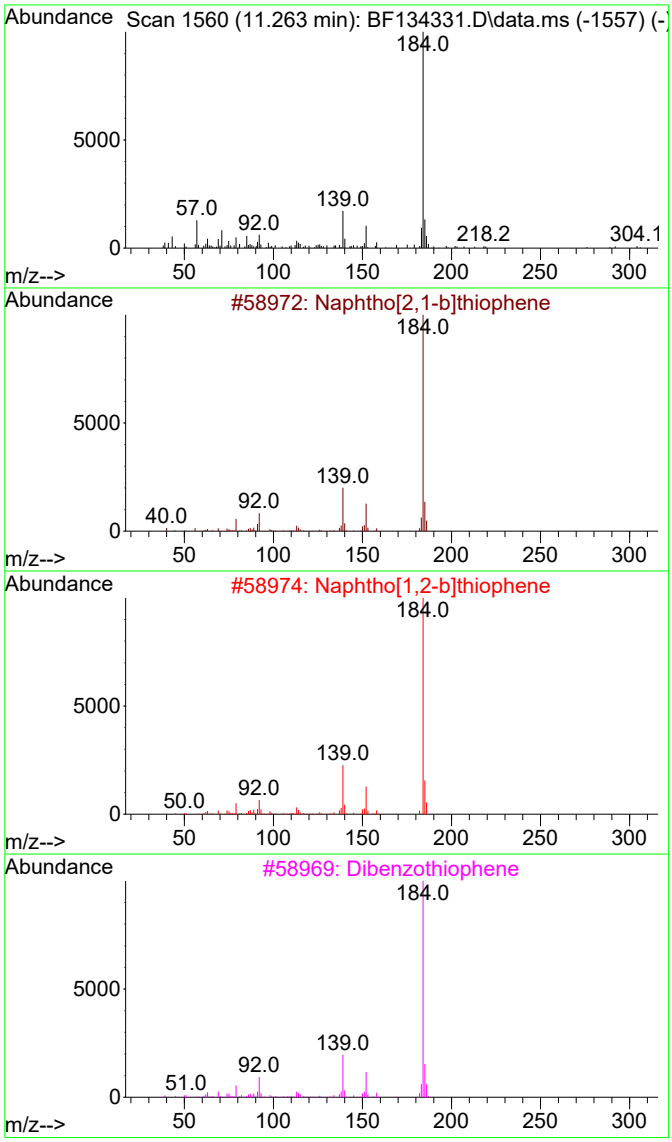
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

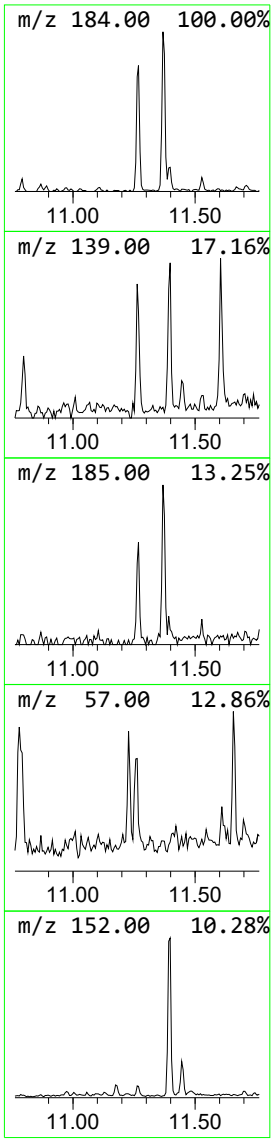
****

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	3.30 ng	76276	Phenanthrene-d10	11.368

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

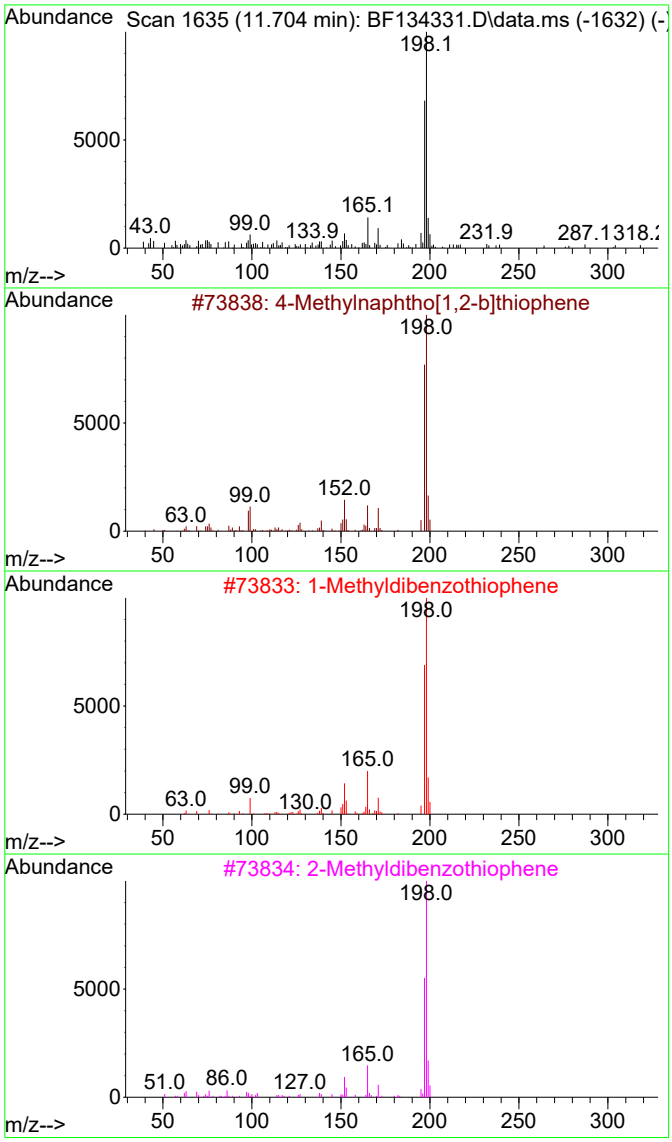
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

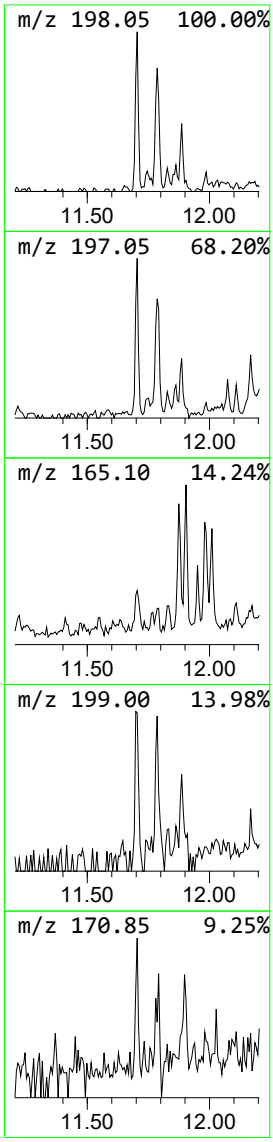
****

Peak Number 4 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.704	2.35 ng	54367	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	83
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	81
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
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Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

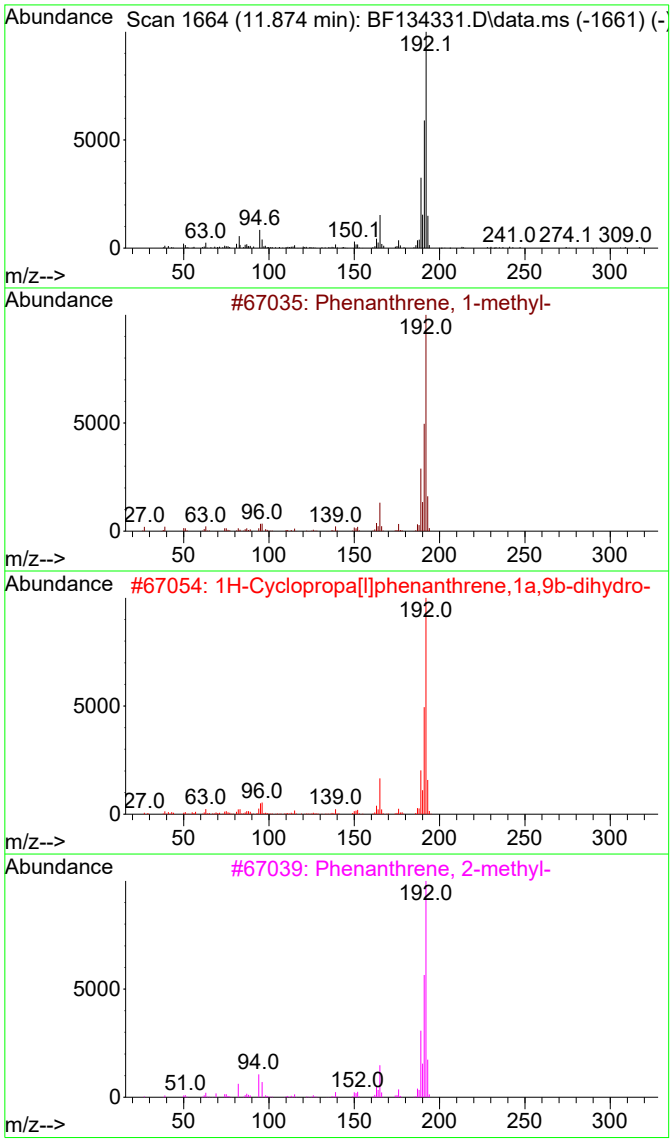
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

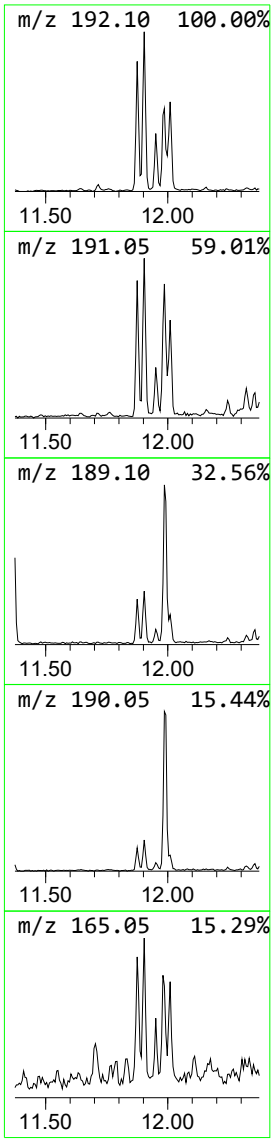
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	5.48 ng	126798	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

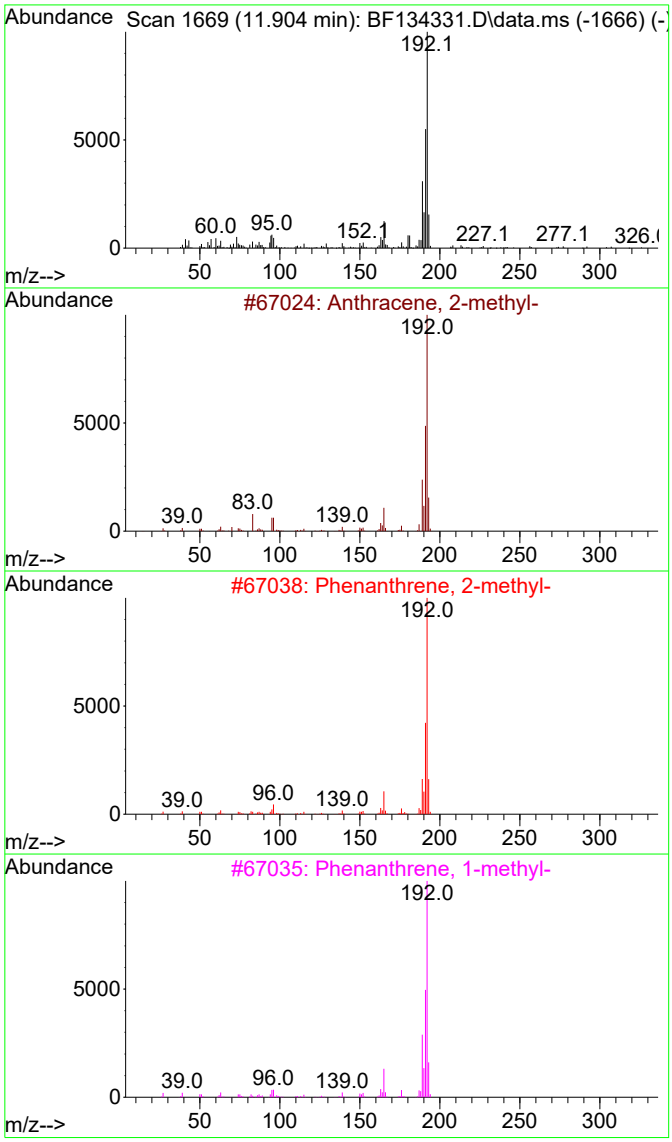
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

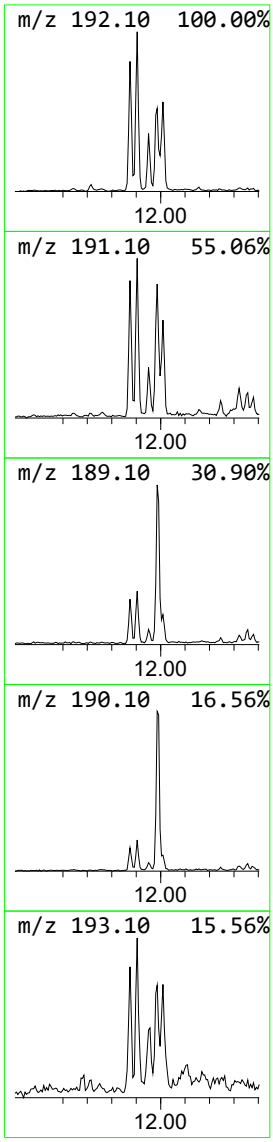
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	8.70 ng	201275	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-071323

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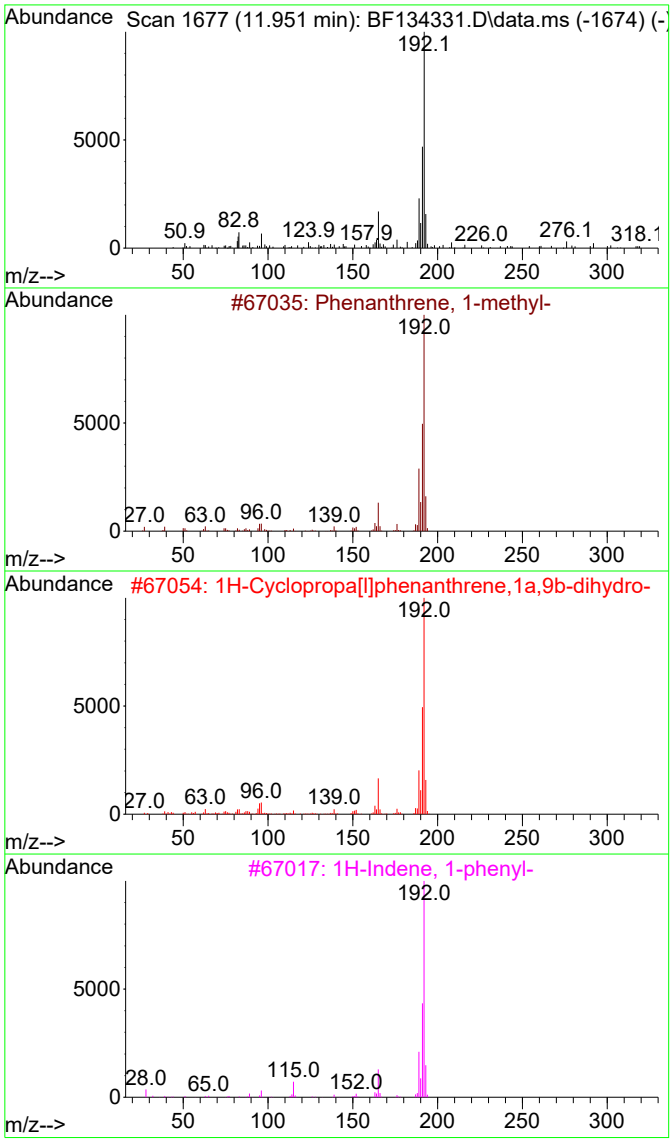
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

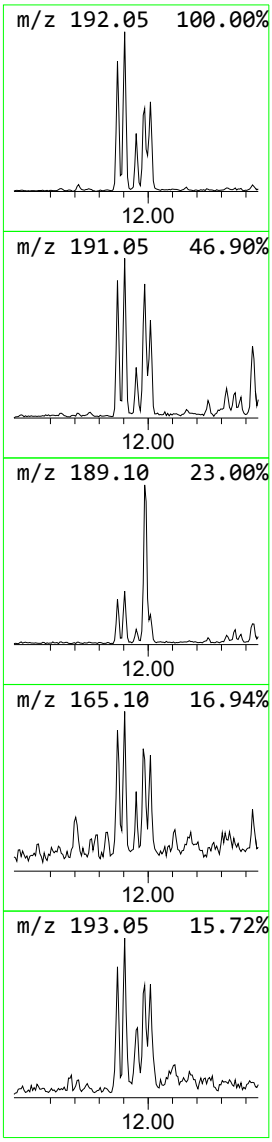
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	2.24 ng	51893	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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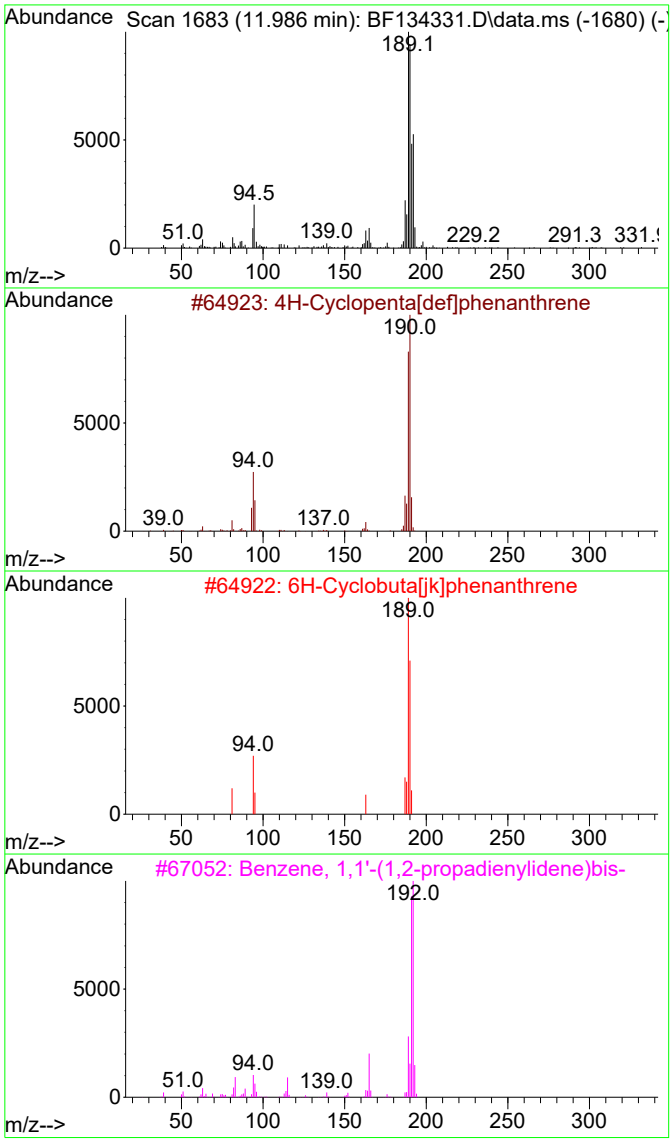
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

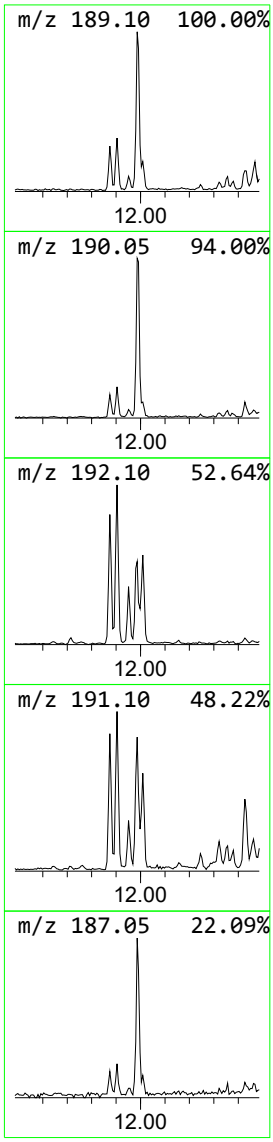
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	11.25 ng	260235	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18





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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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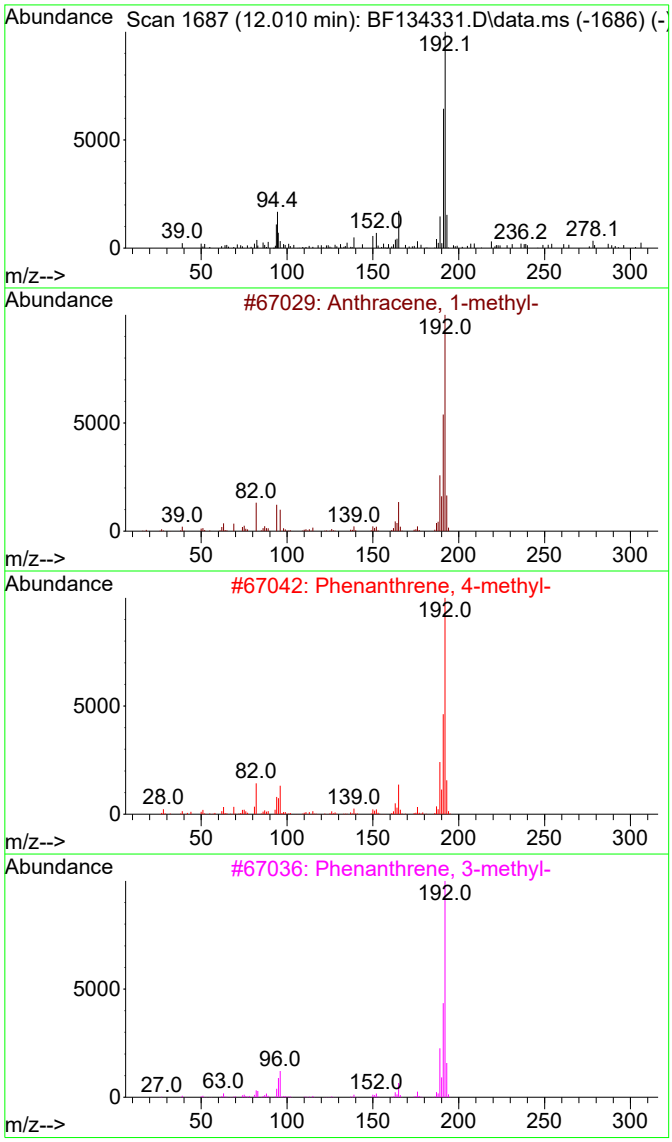
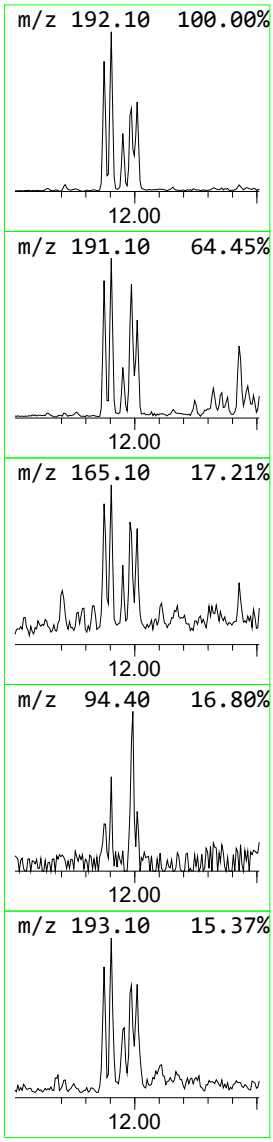
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	2.65 ng	61272	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





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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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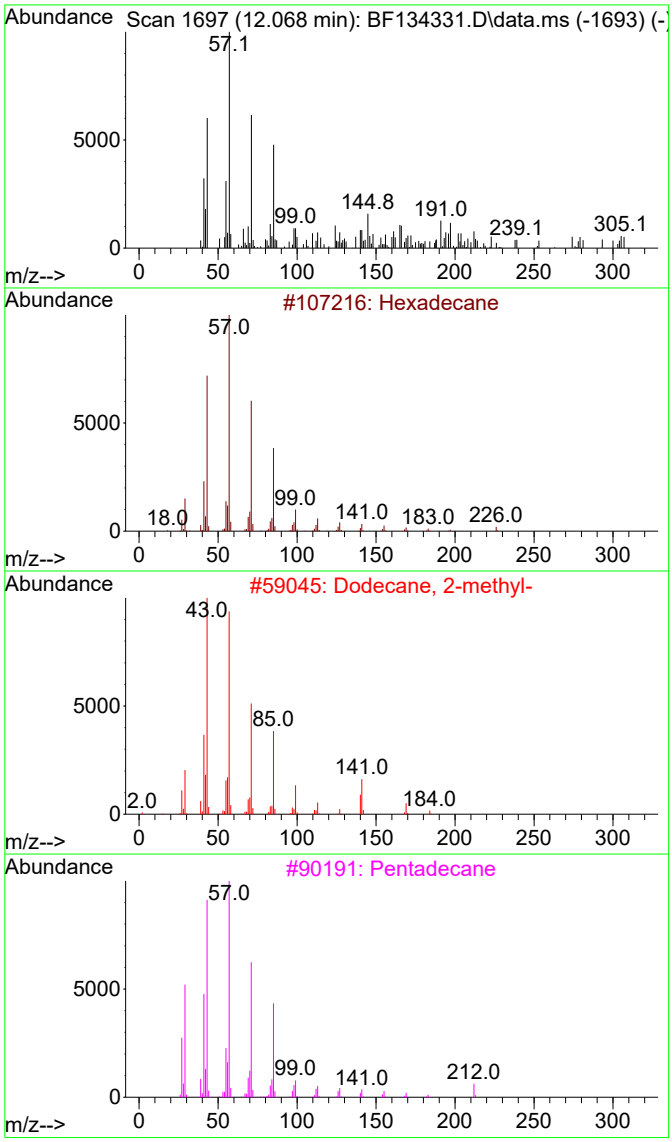
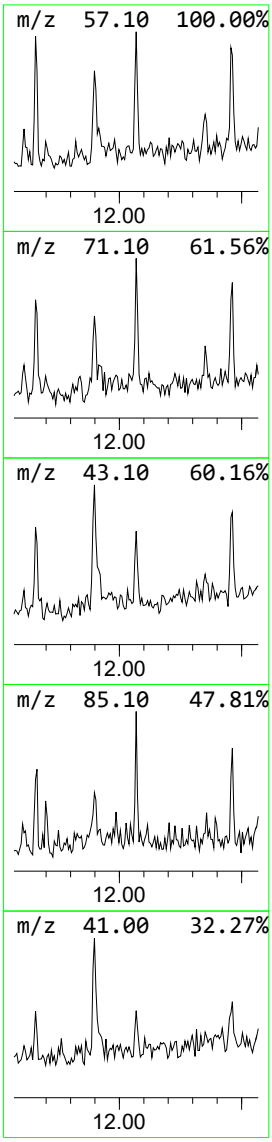
Peak Number 10 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.068	2.10 ng	48529	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
3	Pentadecane	212	C15H32	000629-62-9	58
4	Dodecane	170	C12H26	000112-40-3	58
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	58





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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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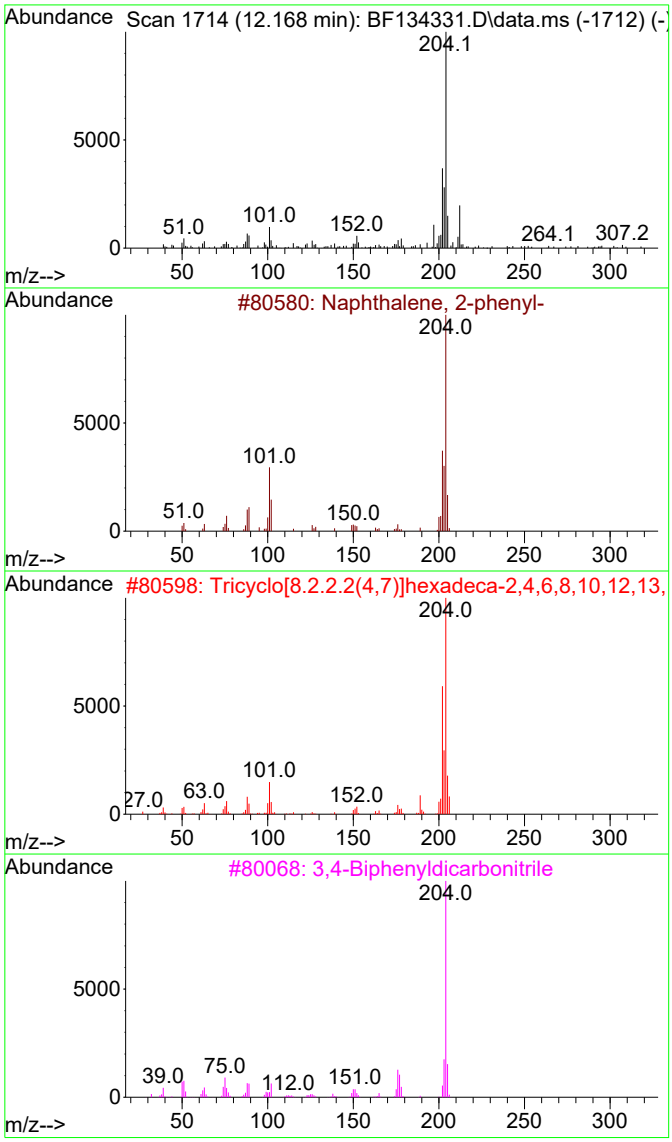
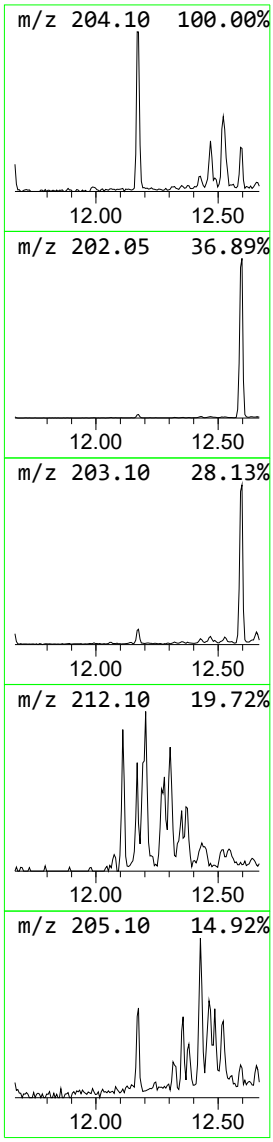
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.168	3.08 ng	71261	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
5	Quinoline, 6-methoxy-8-nitro-	204	C10H8N2O3	000085-81-4	46





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Misc :
ALS Vial : 18 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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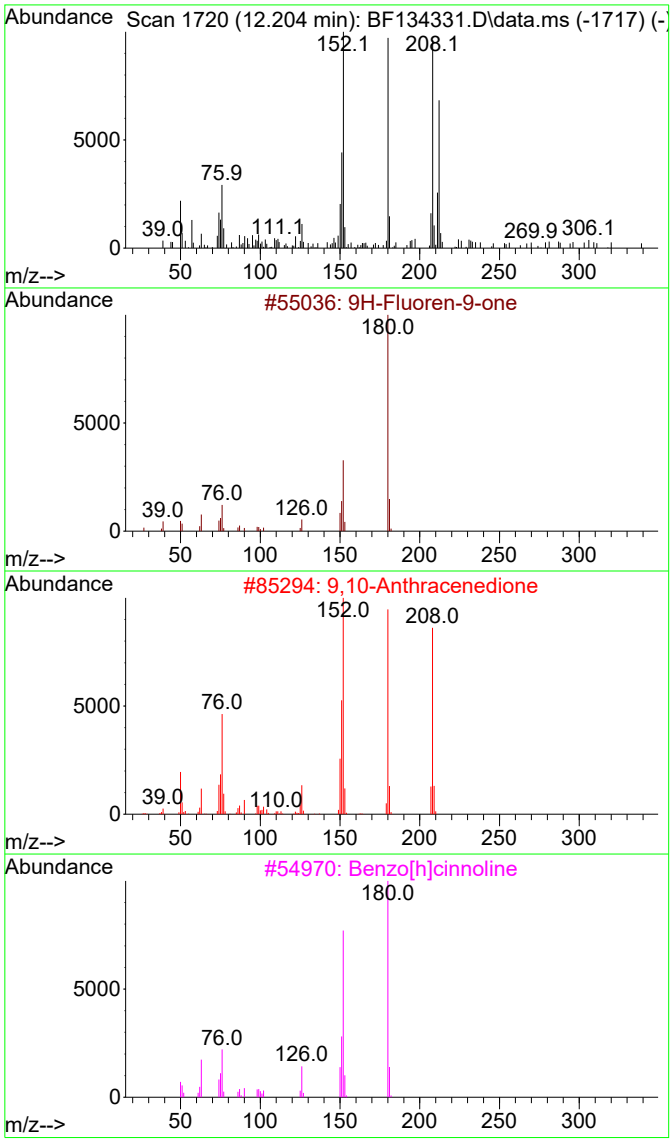
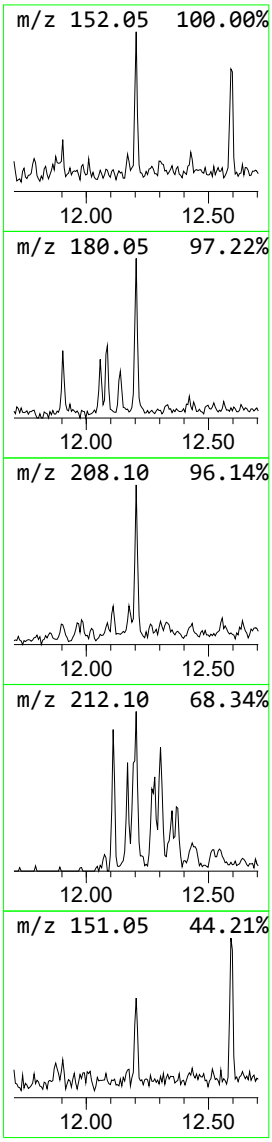
Peak Number 12 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	2.39 ng	55297	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	78
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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Misc :
ALS Vial : 18 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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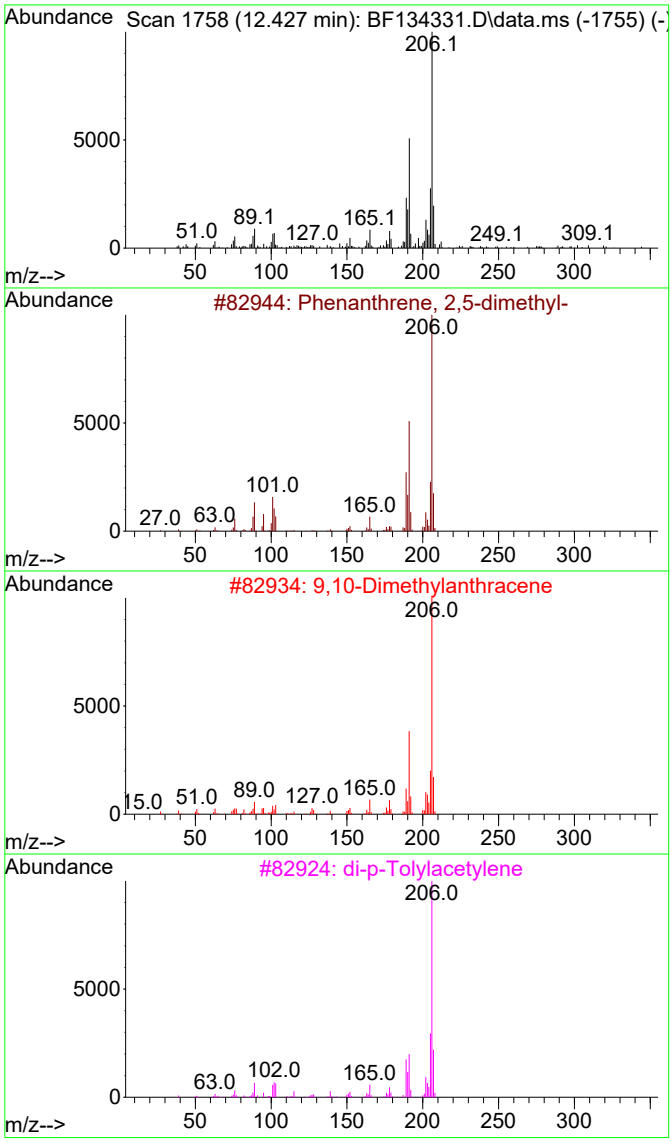
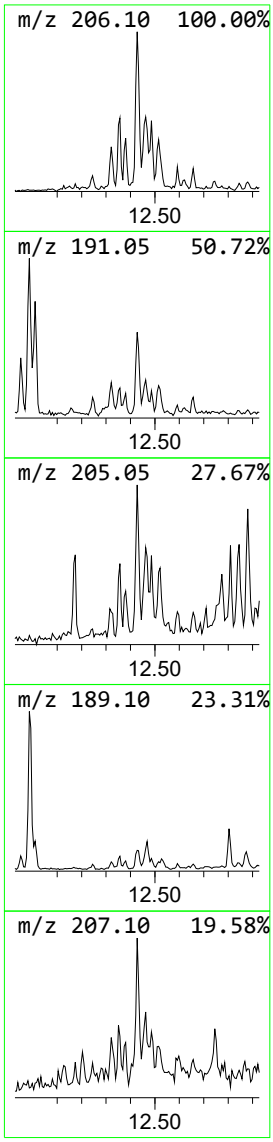
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	4.75 ng	109804	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Misc :
ALS Vial : 18 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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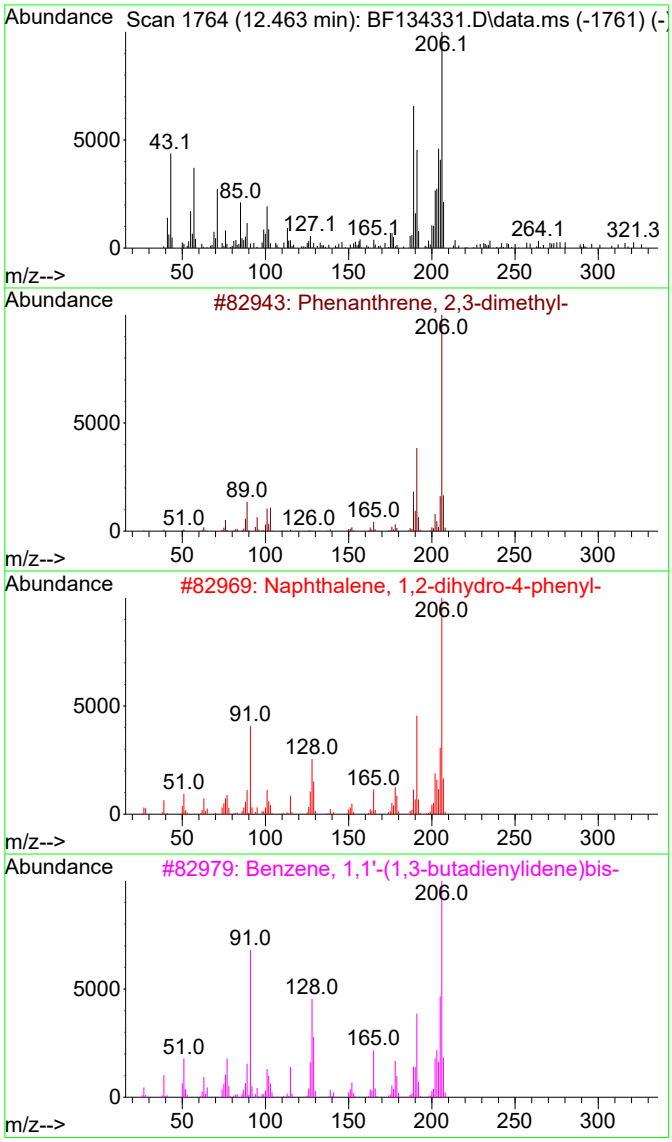
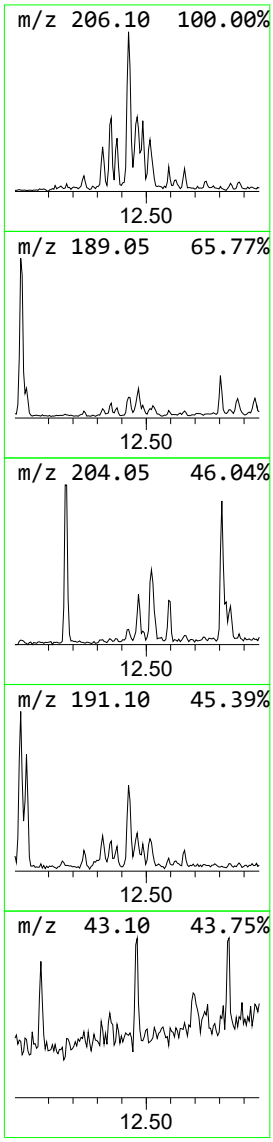
Peak Number 14 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	3.79 ng	87761	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	43
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	43
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43





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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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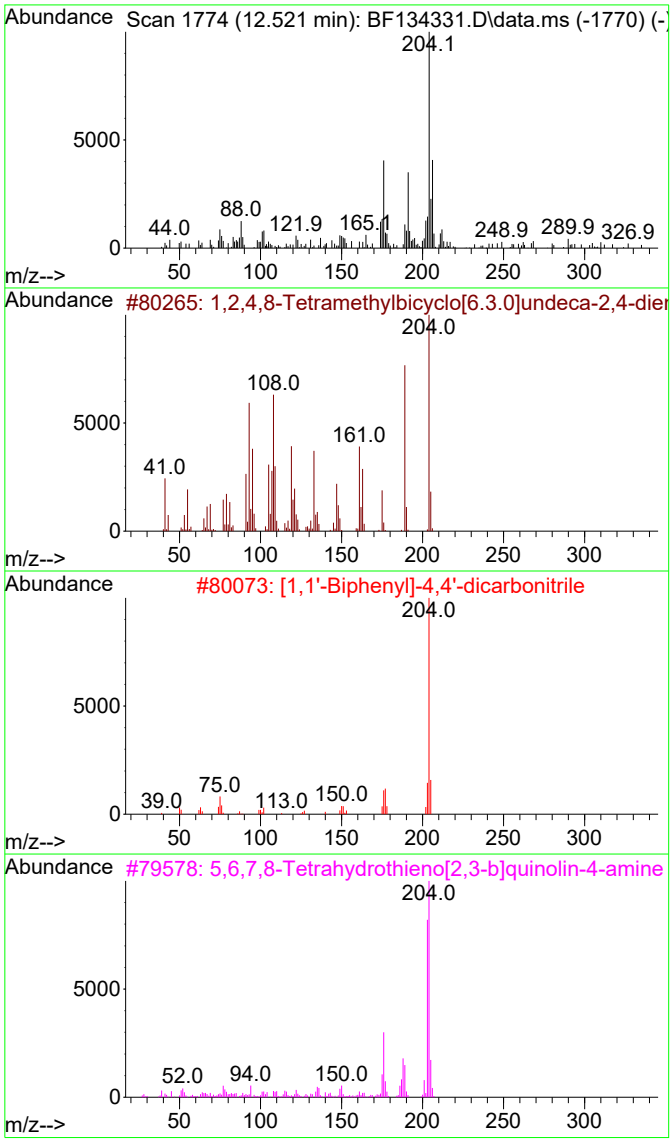
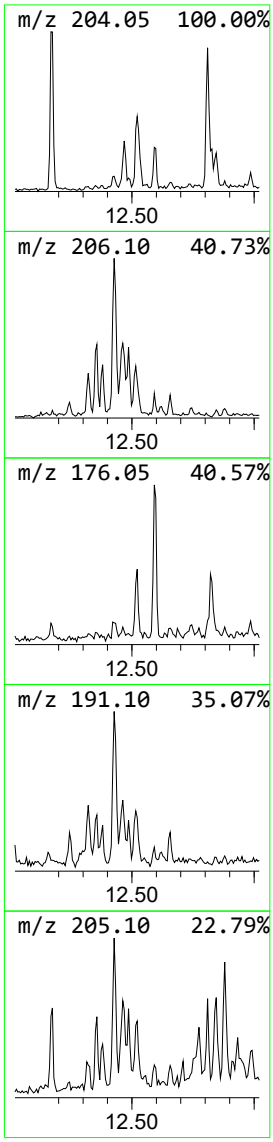
Peak Number 15 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.521	3.63 ng	83891	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	49
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	49
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46





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TIC Library : C:\Database\NIST20.L
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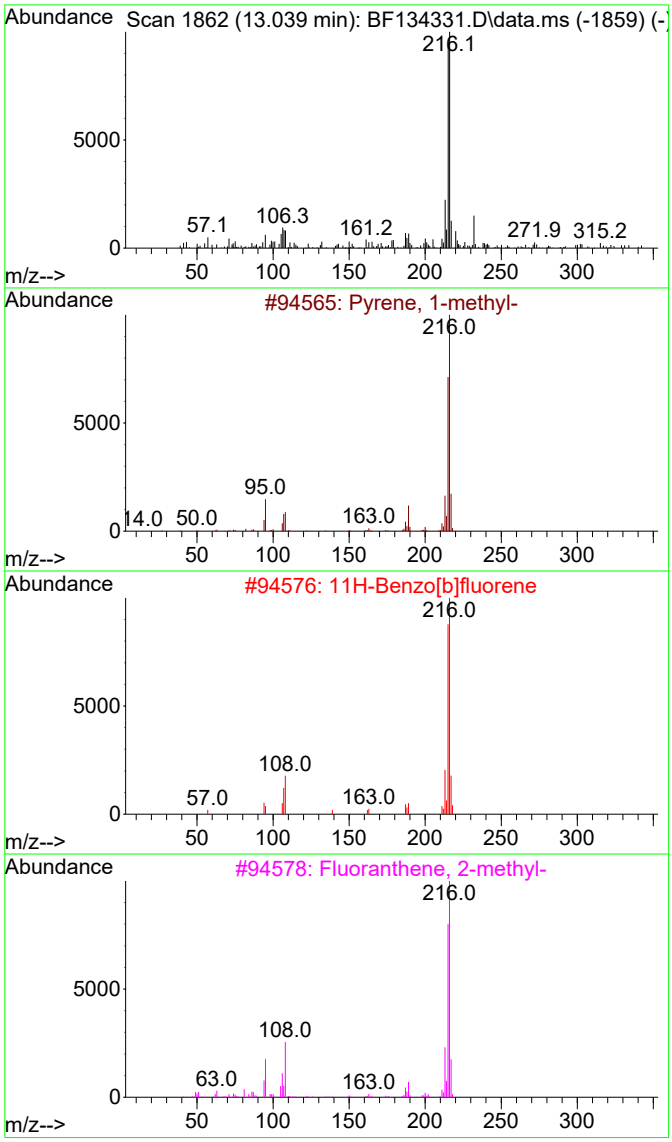
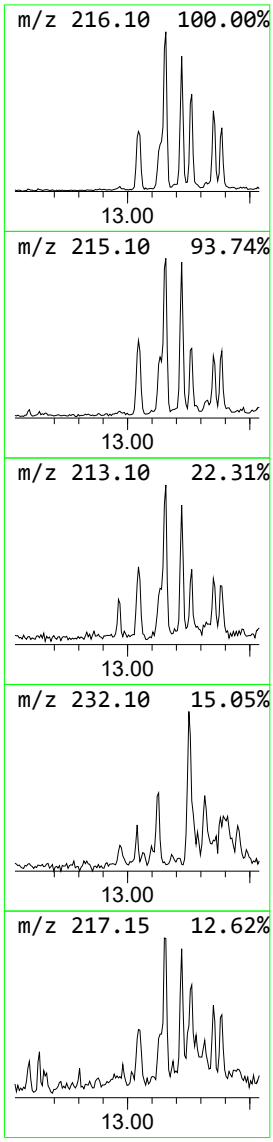
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.039	3.03 ng	100663	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53





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

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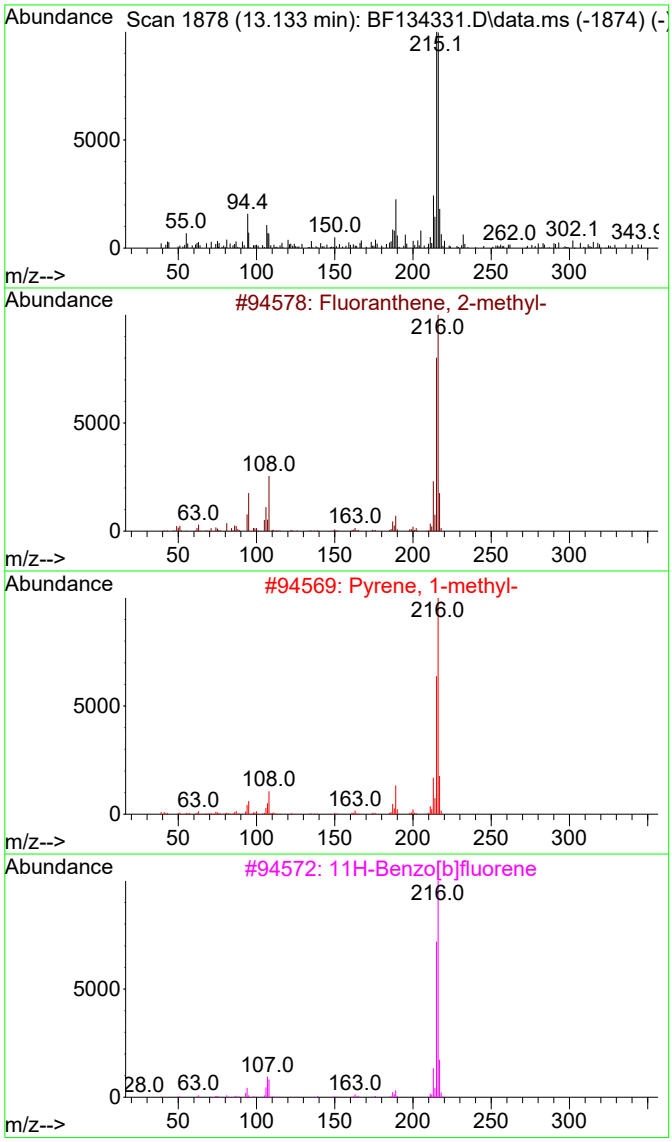
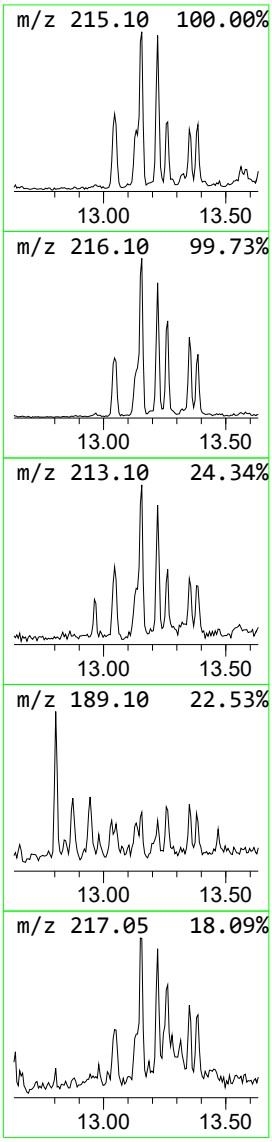
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	2.39 ng	79230	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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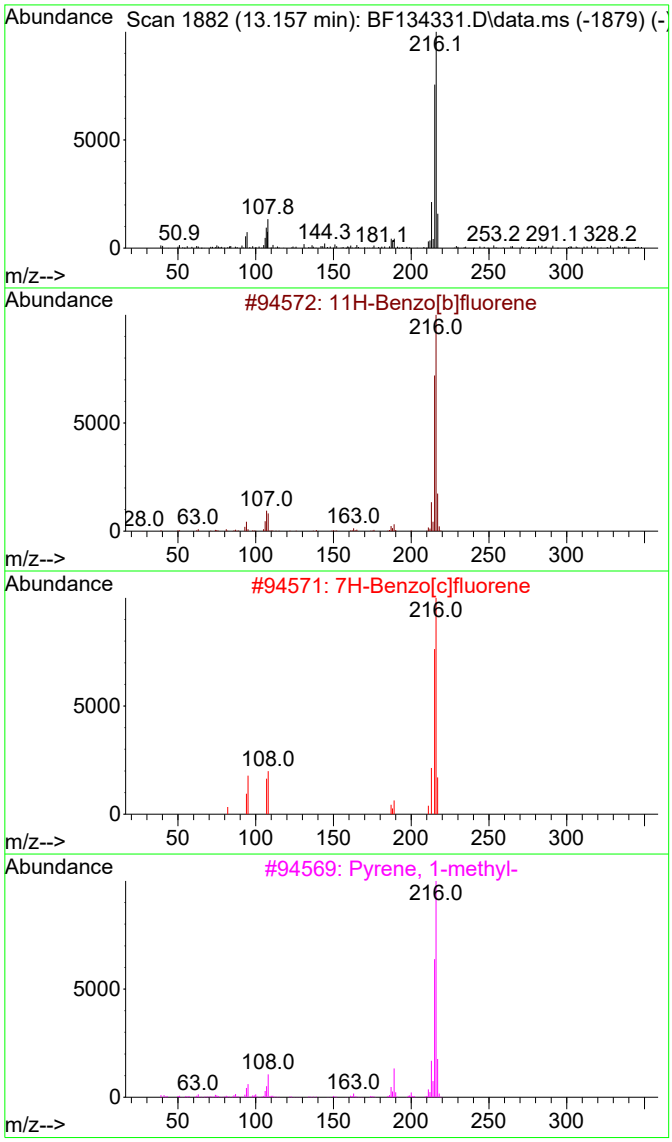
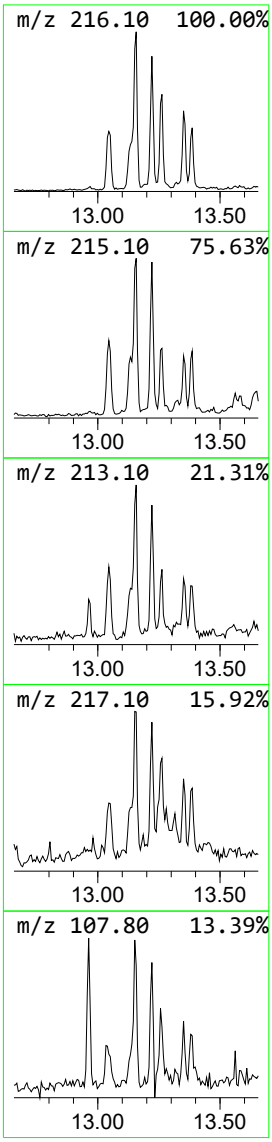
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.157	4.52 ng	150089	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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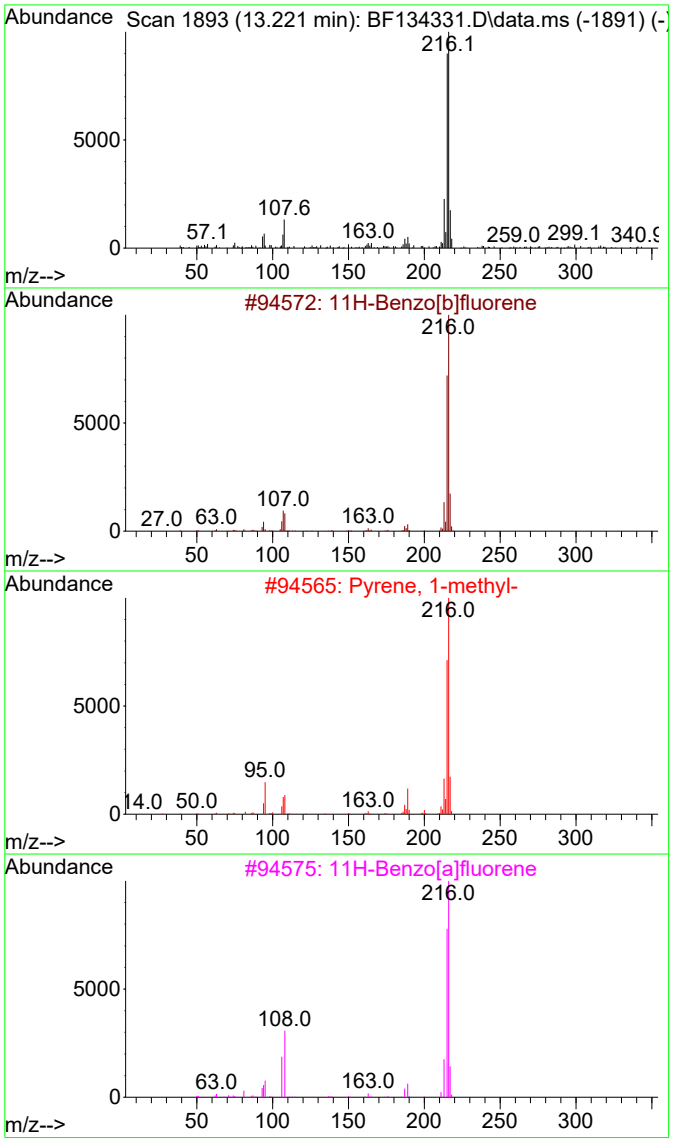
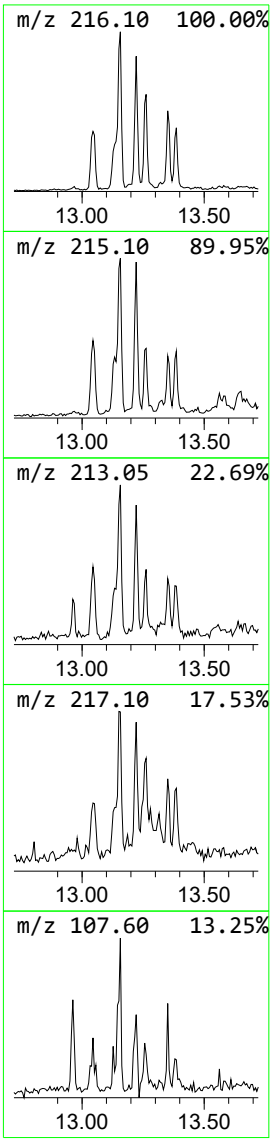
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.221	2.41 ng	80024	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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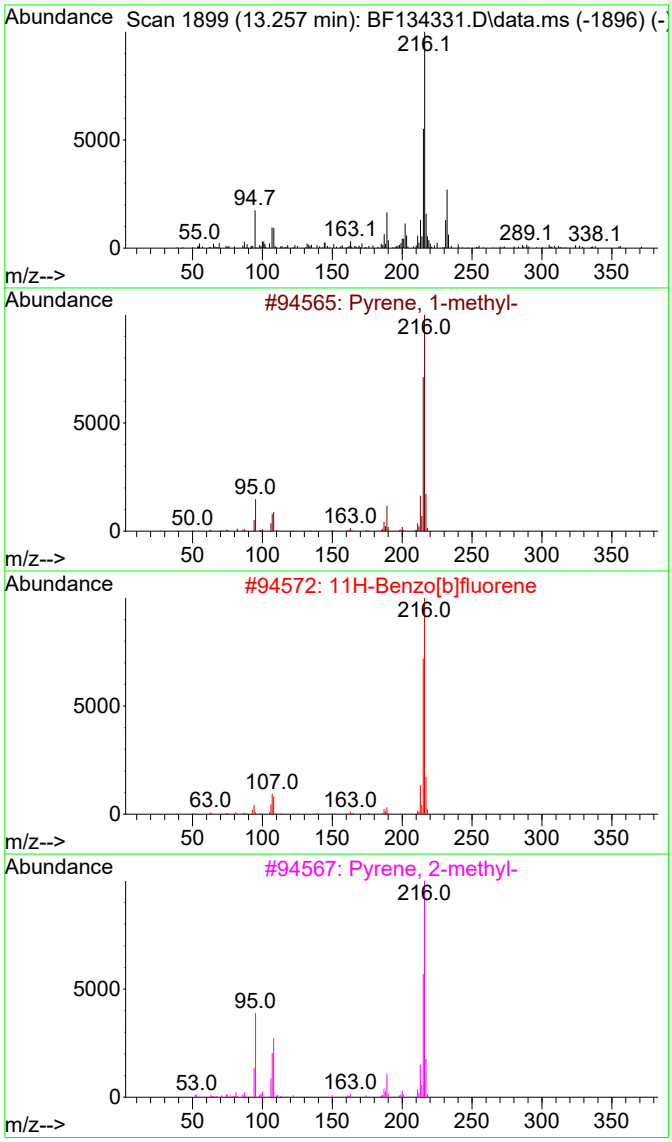
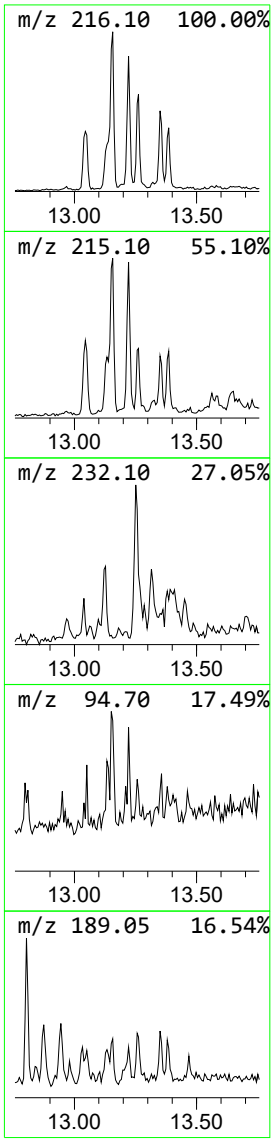
Peak Number 20 Pyrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	3.35 ng	111156	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134331.D
Acq On : 17 Jul 2023 23:43
Operator : CG\JU
Sample : 03621-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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
unknown10.792	10.792	2.2	ng	50702	4	11.368	462784	20.0
Naphtho[2,1-b]t...	11.263	3.3	ng	76276	4	11.368	462784	20.0
4-Methylnaphtho...	11.704	2.4	ng	54367	4	11.368	462784	20.0
Phenanthrene, 1...	11.874	5.5	ng	126798	4	11.368	462784	20.0
Anthracene, 2-m...	11.904	8.7	ng	201275	4	11.368	462784	20.0
1H-Cyclopropa[l...	11.951	2.2	ng	51893	4	11.368	462784	20.0
4H-Cyclopenta[d...	11.986	11.3	ng	260235	4	11.368	462784	20.0
Anthracene, 1-m...	12.010	2.6	ng	61272	4	11.368	462784	20.0
Hexadecane	12.068	2.1	ng	48529	4	11.368	462784	20.0
Naphthalene, 2-...	12.168	3.1	ng	71261	4	11.368	462784	20.0
9H-Fluoren-9-one	12.204	2.4	ng	55297	4	11.368	462784	20.0
Phenanthrene, 2...	12.427	4.8	ng	109804	4	11.368	462784	20.0
Phenanthrene, 2...	12.463	3.8	ng	87761	4	11.368	462784	20.0
1,2,4,8-Tetrame...	12.521	3.6	ng	83891	4	11.368	462784	20.0
Pyrene, 1-methyl-	13.039	3.0	ng	100663	5	14.033	663472	20.0
Fluoranthene, 2...	13.133	2.4	ng	79230	5	14.033	663472	20.0
11H-Benzo[b]flu...	13.157	4.5	ng	150089	5	14.033	663472	20.0
11H-Benzo[a]flu...	13.221	2.4	ng	80024	5	14.033	663472	20.0
Pyrene, 2-methyl-	13.257	3.4	ng	111156	5	14.033	663472	20.0