LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135900.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.375	556	559	579	rBV	1343621	1519897	86.72%	8.091%
2	6.392	728	732	758	rBV	1707312	1752564	100.00%	9.330%
3	6.734	787	790	798	rBV	527568	438860	25.04%	2.336%
4	7.304	883	887	899	rBV	1019341	884667	50.48%	4.710%
5	8.016	1004	1008	1010	rBV	500764	479193	27.34%	2.551%
6	8.034	1010	1011	1019	rVB	111926	93951	5.36%	0.500%
7	8.728	1126	1129	1137	rBV	129785	121449	6.93%	0.647%
8	8.828	1142	1146	1152	rVV	142845	121552	6.94%	0.647%
9	9.092	1187	1191	1194	rBV	2047853	1633900	93.23%	8.698%
10	9.204	1206	1210	1215	rBV2	33635	45219	2.58%	0.241%
11	9.286	1222	1224	1231	rVB2	17790	29862	1.70%	0.159%
12	9.363	1232	1237	1240	rBV	91941	120535	6.88%	0.642%
13	9.428	1245	1248	1251	rVV	130427	137457	7.84%	0.732%
14	9.457	1251	1253	1257	rVB	82773	68281	3.90%	0.364%
15	9.551	1265	1269	1275	rVB	50868	66689	3.81%	0.355%
16	9.633	1280	1283	1287	rBV	127729	111036	6.34%	0.591%
17	9.769	1300	1306	1310	rBV	564817	510202	29.11%	2.716%
18	9.804	1310	1312	1316	rVB2	32291	32700	1.87%	0.174%
19	9.880	1321	1325	1328	rBV	37263	40067	2.29%	0.213%
20	9.975	1335	1341	1345	rBV3	50414	71867	4.10%	0.383%
21	10.016	1345	1348	1351	rVB	63422	51553	2.94%	0.274%
22	10.086	1357	1360	1363	rBV	55743	55923	3.19%	0.298%
23	10.122	1363	1366	1372	rVB	35095	31947	1.82%	0.170%
24	10.180	1372	1376	1378	rBV3	30276	44830	2.56%	0.239%
25	10.322	1397	1400	1406	rVB	121296	129967	7.42%	0.692%
26	10.480	1422	1427	1430	rVB5	26514	36037	2.06%	0.192%
27	10.569	1435	1442	1452	rBV	929608	847520	48.36%	4.512%
28	10.686	1458	1462	1465	rBV4	35156	40490	2.31%	0.216%
29	10.875	1489	1494	1497	rBV2	60897	76036	4.34%	0.405%
30	10.904	1497	1499	1502	rVB	42849	33757	1.93%	0.180%
31	10.957	1505	1508	1511	rVB	41547	33590	1.92%	0.179%
32	11.086	1526	1530	1533	rBV	47666	56066	3.20%	0.298%
33	11.122	1533	1536	1539	rVV3	23421	30273	1.73%	0.161%
34	11.163	1539	1543	1548	rVB	111471	111937	6.39%	0.596%
35	11.269	1557	1561	1563	rBV	466351	389934	22.25%	2.076%
36	11.292	1563	1565	1569	rVV	674419	513397	29.29%	2.733%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.345	1571	1574	1577	rBV	91549	81008	4.62%	0.431%
38	11.516	1598	1603	1607	rBV4	27487	49181	2.81%	0.262%
39	11.557	1607	1610	1613	rVV2	39620	42380	2.42%	0.226%
40	11.604	1613	1618	1623	rVV	82887	93701	5.35%	0.499%
41	11.686	1629	1632	1636	rVB2	57723	74054	4.23%	0.394%
42	11.727	1636	1639	1643	rBV3	20365	33389	1.91%	0.178%
43	11.774	1643	1647	1649	rVV	182294	177251	10.11%	0.944%
44	11.804	1649	1652	1658	rVV	280400	275868	15.74%	1.469%
45	11.851	1658	1660	1662	rVV	55653	47770	2.73%	0.254%
46	11.886	1662	1666	1668	rVV2	220995	239987	13.69%	1.278%
47	11.910	1668	1670	1675	rVB	132208	108952	6.22%	0.580%
48	12.010	1684	1687	1690	rVB	37901	33307	1.90%	0.177%
49	12.069	1694	1697	1701	rVV	106548	114974	6.56%	0.612%
50	12.104	1701	1703	1708	rVB2	33168	50344	2.87%	0.268%
51	12.174	1711	1715	1717	rBV4	20066	28848	1.65%	0.154%
52	12.251	1725	1728	1731	rVV	49084	43957	2.51%	0.234%
53	12.280	1731	1733	1735	rVB2	36079	28928	1.65%	0.154%
54	12.327	1735	1741	1743	rBV	146356	147267	8.40%	0.784%
55	12.363	1743	1747	1749	rVV4	59205	75014	4.28%	0.399%
56	12.427	1753	1758	1760	rBV2	56545	71742	4.09%	0.382%
57	12.492	1766	1769	1773	rBV	611915	513478	29.30%	2.734%
58	12.533	1773	1776	1778	rVV	46502	48000	2.74%	0.256%
59	12.557	1778	1780	1783	rVV2	38733	35750	2.04%	0.190%
60	12.592	1783	1786	1792	rVV	74253	86475	4.93%	0.460%
61	12.645	1792	1795	1797	rVV	85997	78612	4.49%	0.419%
62	12.669	1797	1799	1803	rVV2	31429	28711	1.64%	0.153%
63	12.721	1803	1808	1814	rVV	703889	720343	41.10%	3.835%
64	12.780	1814	1818	1821	rVB	47281	52590	3.00%	0.280%
65	12.863	1828	1832	1836	rBV	1172177	1004541	57.32%	5.348%
66	12.945	1842	1846	1852	rBV4	73798	128745	7.35%	0.685%
67	12.998	1852	1855	1857	rVV2	44982	40735	2.32%	0.217%
68	13.039	1857	1862	1863	rVV4	66213	103502	5.91%	0.551%
69	13.057	1863	1865	1869	rVV	121644	108227	6.18%	0.576%
70	13.098	1869	1872	1874	rVV3	30396	33483	1.91%	0.178%
71	13.121	1874	1876	1879	rVV	94965	79721	4.55%	0.424%
72	13.163	1879	1883	1886	rVV2	119454	124611	7.11%	0.663%
73	13.251	1896	1898	1901	rVV	90088	74535	4.25%	0.397%
74	13.286	1901	1904	1907	rVB	77081	71244	4.07%	0.379%
75	13.433	1922	1929	1931	rBV4	42384	60266	3.44%	0.321%
76	13.580	1951	1954	1957	rVB2	44556	44440	2.54%	0.237%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.686	1966	1972	1974	rBV3	94400	130459	7.44%	0.695%
78	13.704	1974	1975	1978	rVB	72155	47175	2.69%	0.251%
79	13.733	1978	1980	1982	rBV	43589	37661	2.15%	0.200%
80	13.763	1982	1985	1988	rVB3	37031	36387	2.08%	0.194%
81	13.792	1988	1990	1995	rBV2	26759	32966	1.88%	0.175%
82	13.933	2009	2014	2017	rBV2	462218	668014	38.12%	3.556%
83	13.963	2017	2019	2022	rVV	298348	245774	14.02%	1.308%
84	14.021	2026	2029	2031	rBV2	37195	34138	1.95%	0.182%
85	14.098	2037	2042	2046	rBV3	48327	73785	4.21%	0.393%
86	14.327	2076	2081	2085	rBV	88499	116361	6.64%	0.619%
87	14.363	2085	2087	2089	rVV	44747	39138	2.23%	0.208%
88	14.392	2089	2092	2096	rVV3	50313	74786	4.27%	0.398%
89	14.427	2096	2098	2100	rVV2	34286	31216	1.78%	0.166%
90	14.451	2100	2102	2104	rVV	49348	51414	2.93%	0.274%
91	14.474	2104	2106	2109	rVV	50189	44690	2.55%	0.238%
92	14.521	2112	2114	2117	rVB	33510	28973	1.65%	0.154%
93	14.986	2189	2193	2196	rBV	152982	229716	13.11%	1.223%
94	15.092	2208	2211	2216	rBV	38854	49920	2.85%	0.266%
95	15.286	2240	2244	2248	rVV	102643	118563	6.77%	0.631%
96	15.351	2251	2255	2261	rVV	141855	176491	10.07%	0.940%
97	15.410	2261	2265	2269	rVV	194698	247856	14.14%	1.320%
98	15.445	2269	2271	2278	rVB2	32778	53623	3.06%	0.285%
99	16.921	2516	2522	2529	rBV2	54916	114562	6.54%	0.610%
100	17.374	2595	2599	2607	rVB	40554	81271	4.64%	0.433%

Sum of corrected areas: 18784075

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
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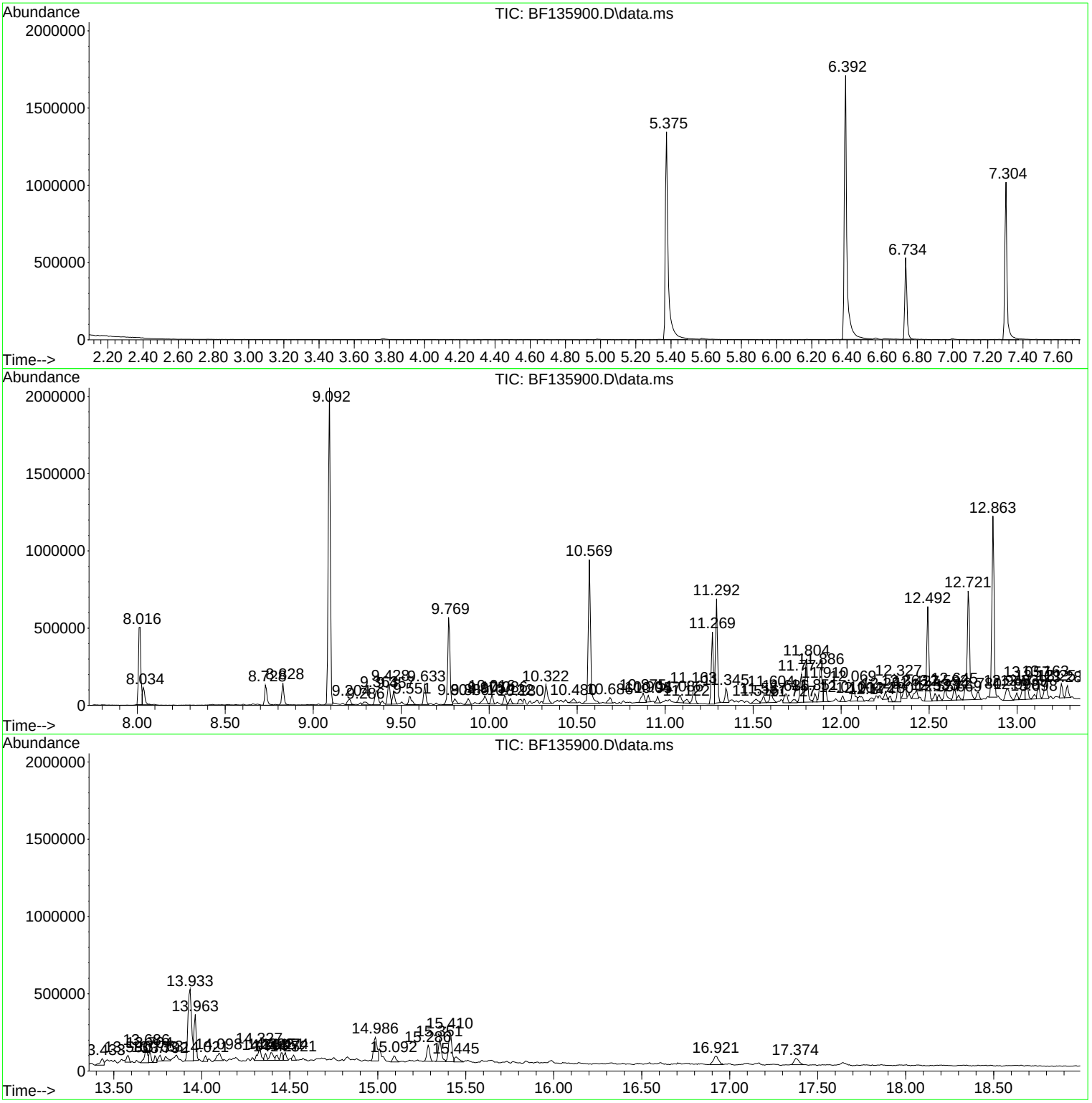
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
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Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

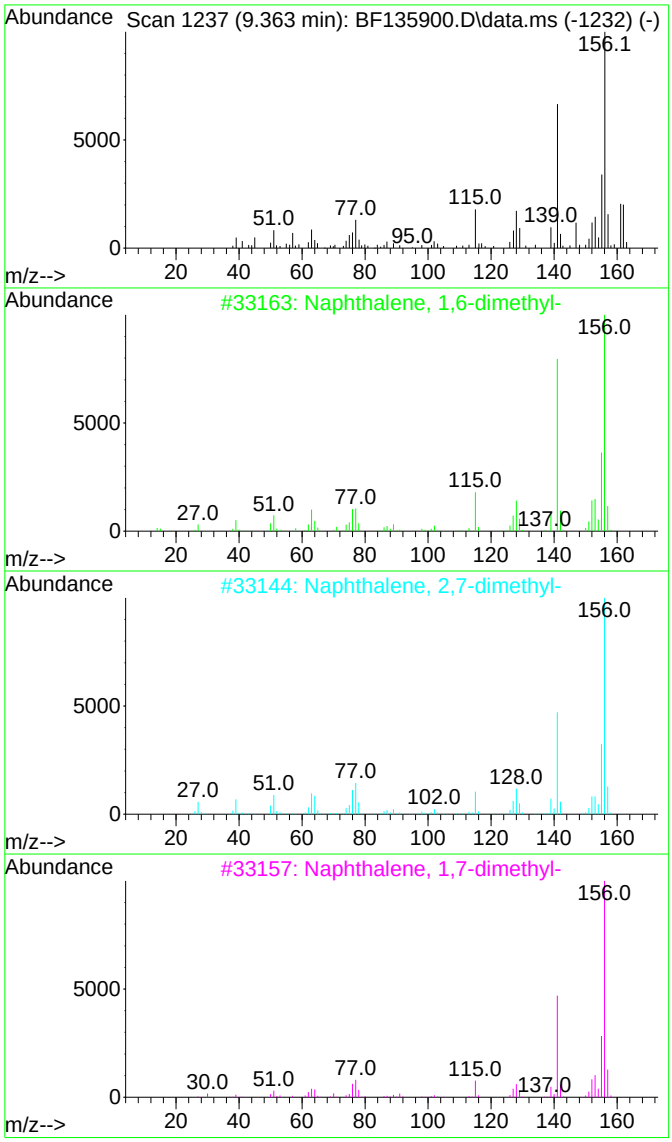
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

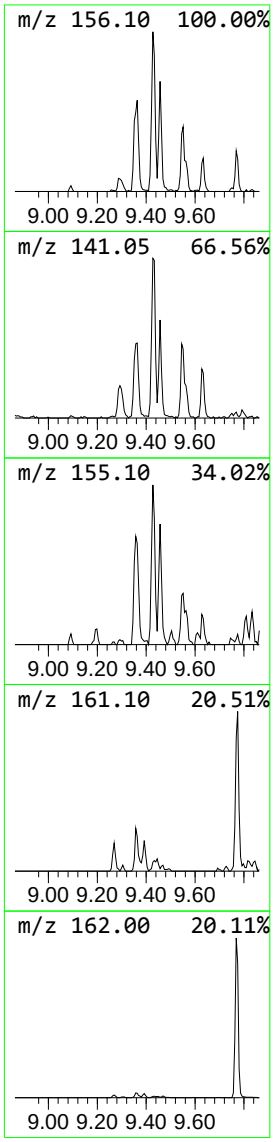
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	4.72 ng	120535	Acenaphthene-d10	9.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

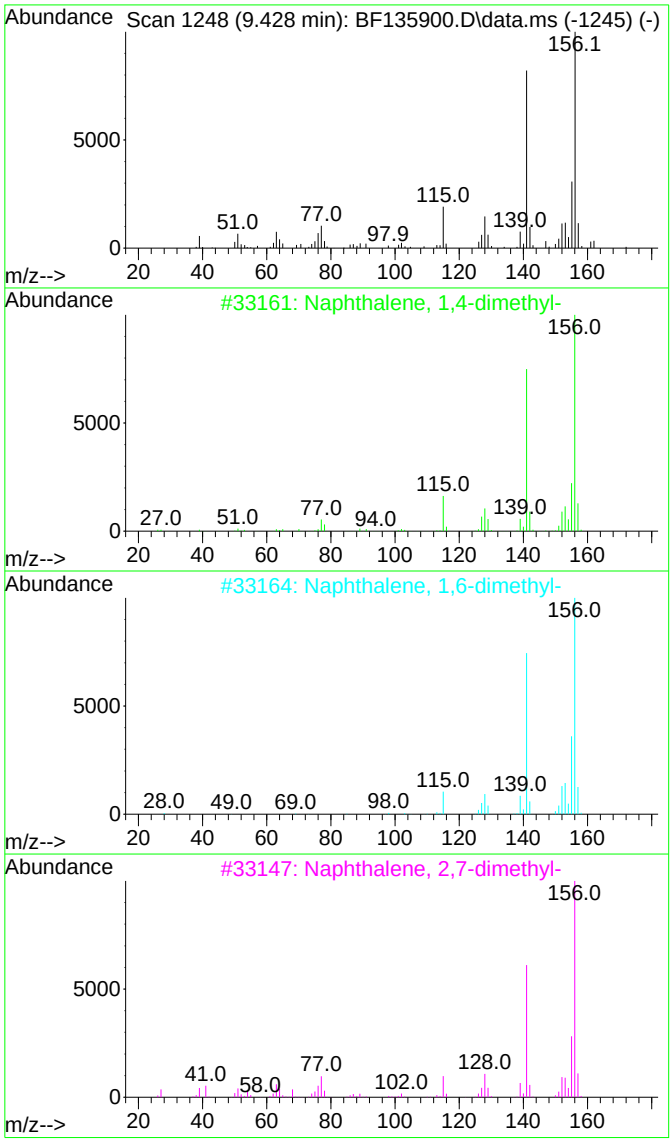
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

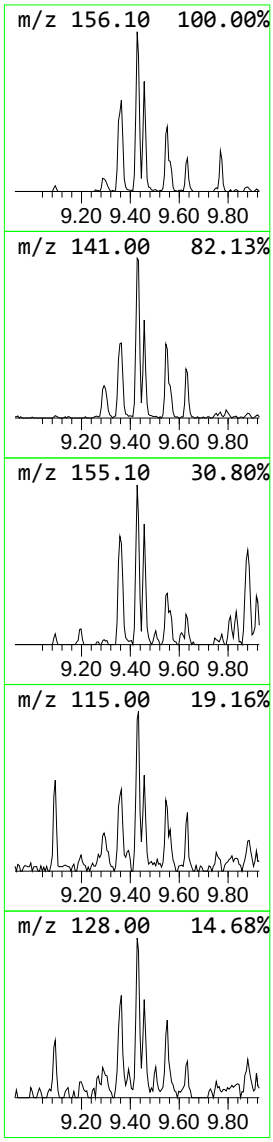
****

Peak Number 2 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.428	5.39 ng	137457	Acenaphthene-d10	9.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

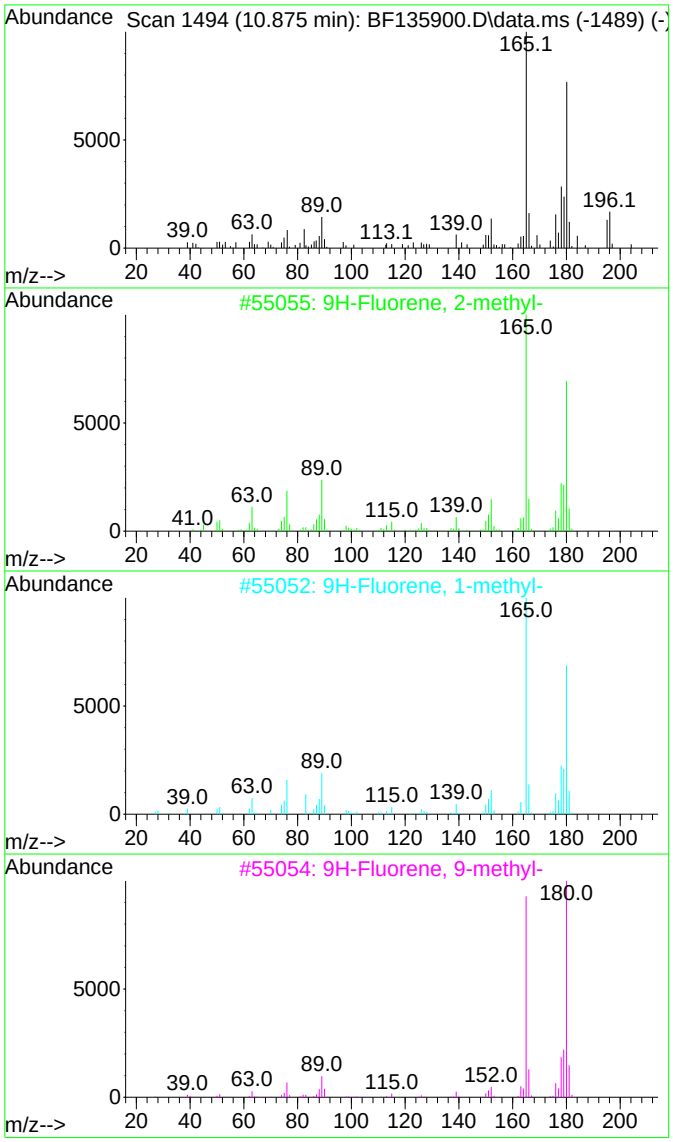
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

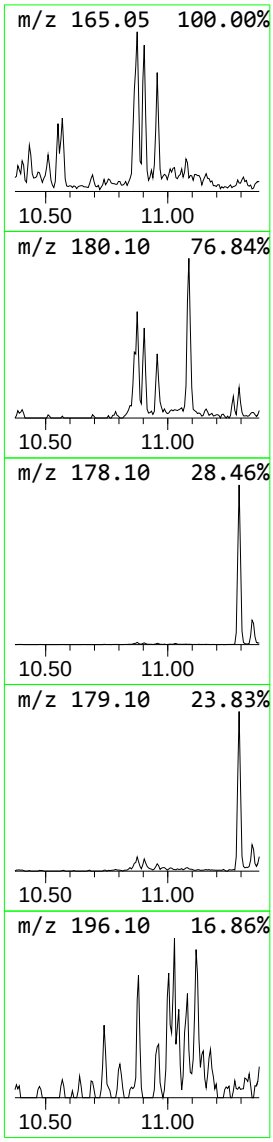
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.874	3.90 ng	76036	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
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Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

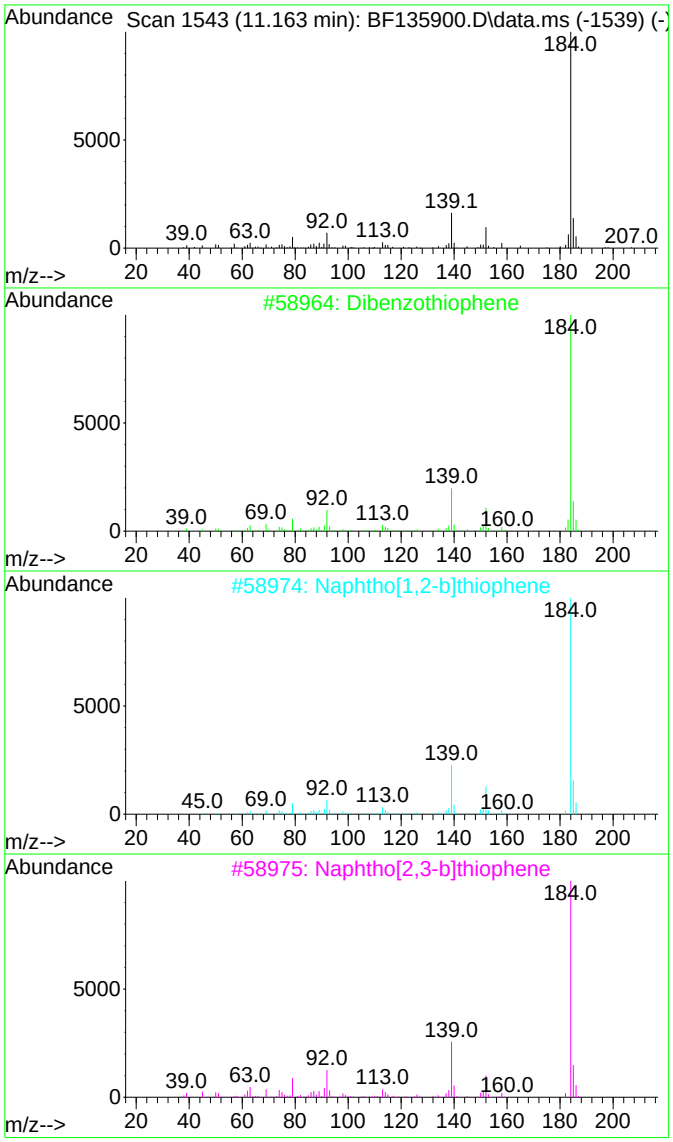
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

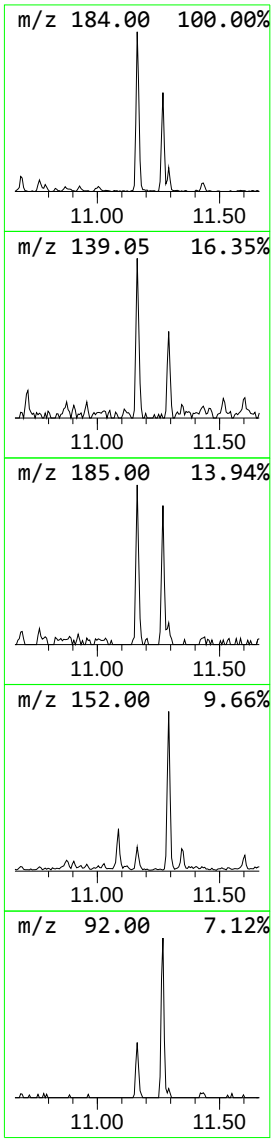
****

Peak Number 4 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	5.74 ng	111937	Phenanthrene-d10	11.269

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

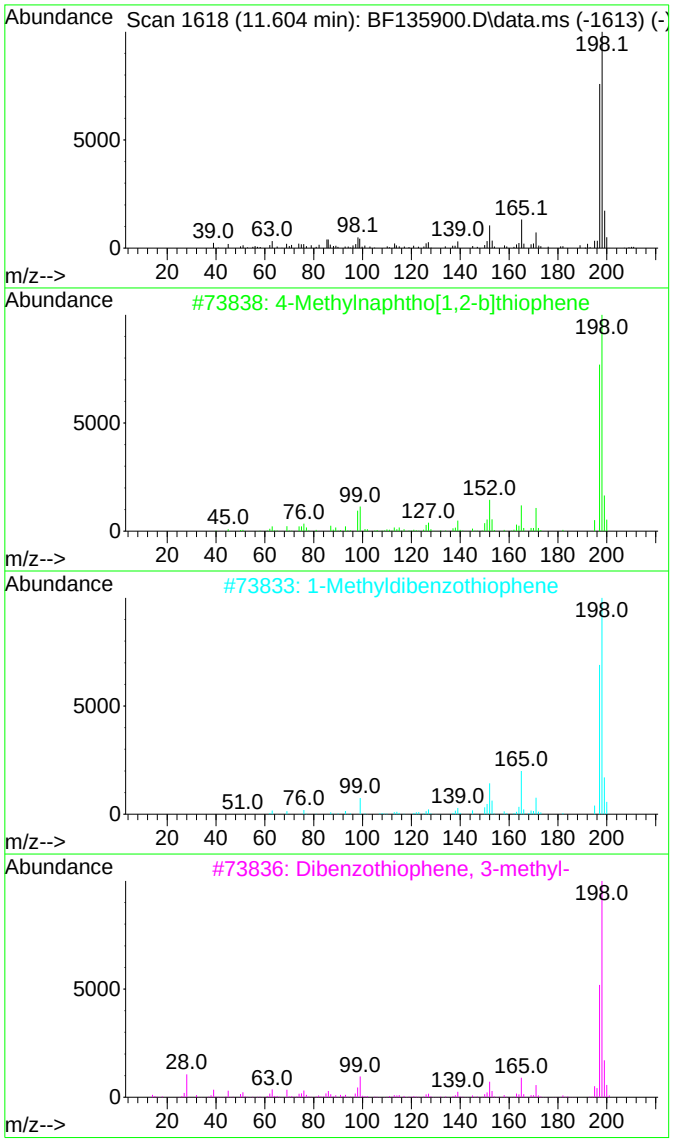
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

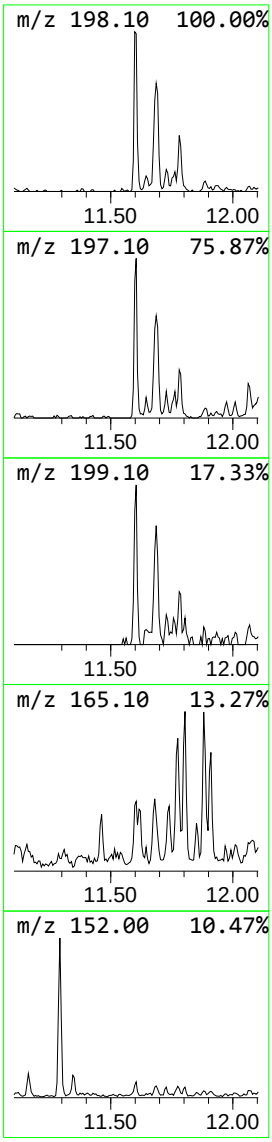
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.604	4.81 ng	93701	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
5	4,6,8-Trimethyl-1-azulenecarbald...	198	C14H14O	000832-62-2	86





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Operator : CG\JU
Sample : 04693-04
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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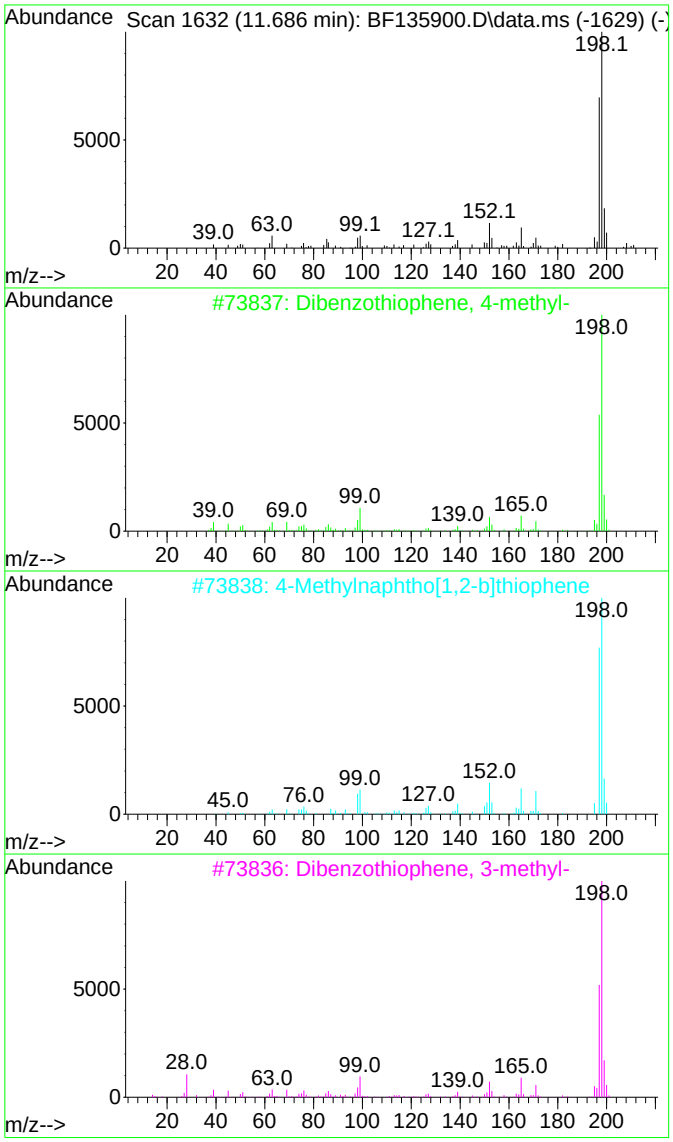
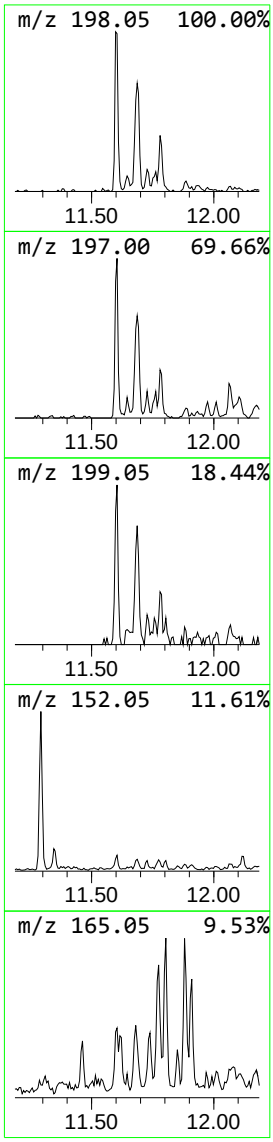
Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	3.80 ng	74054	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	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

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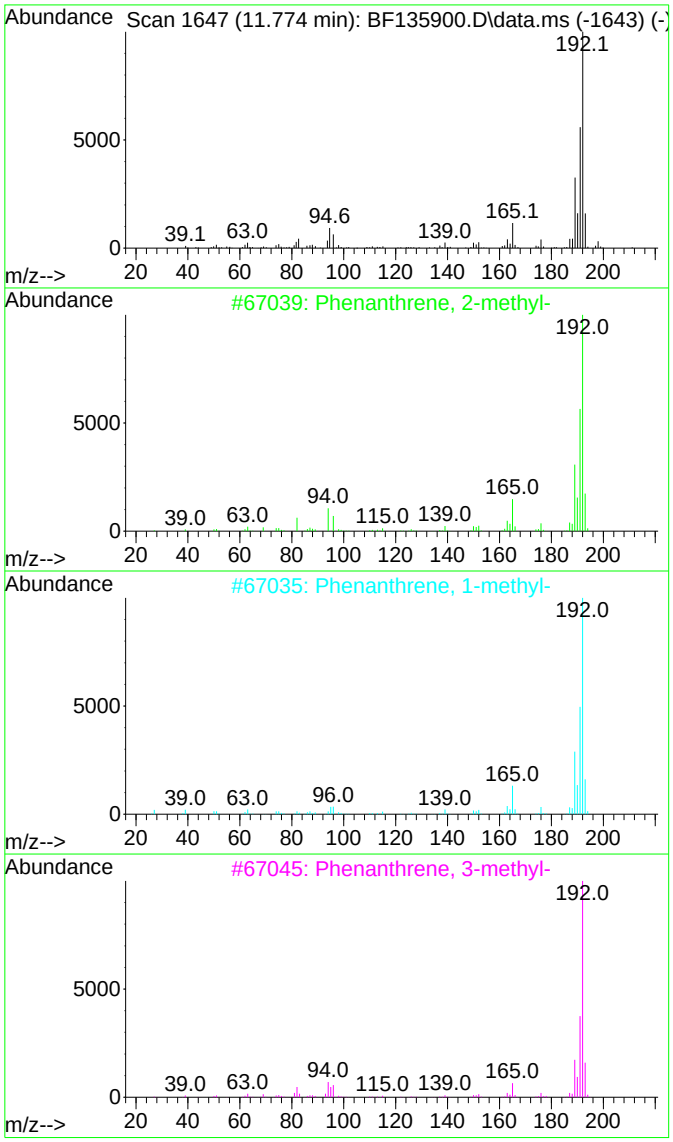
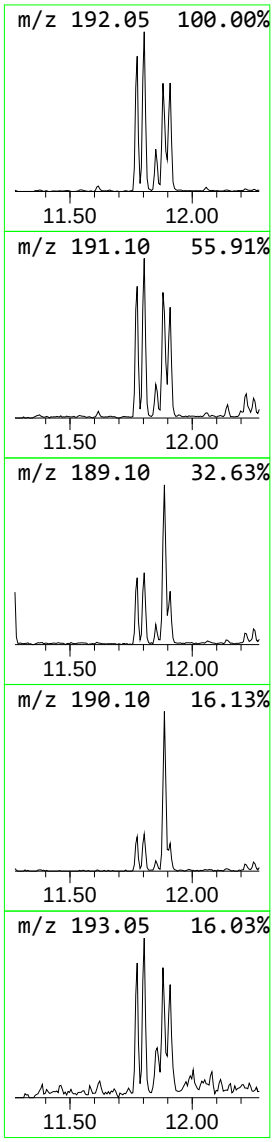
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	9.09 ng	177251	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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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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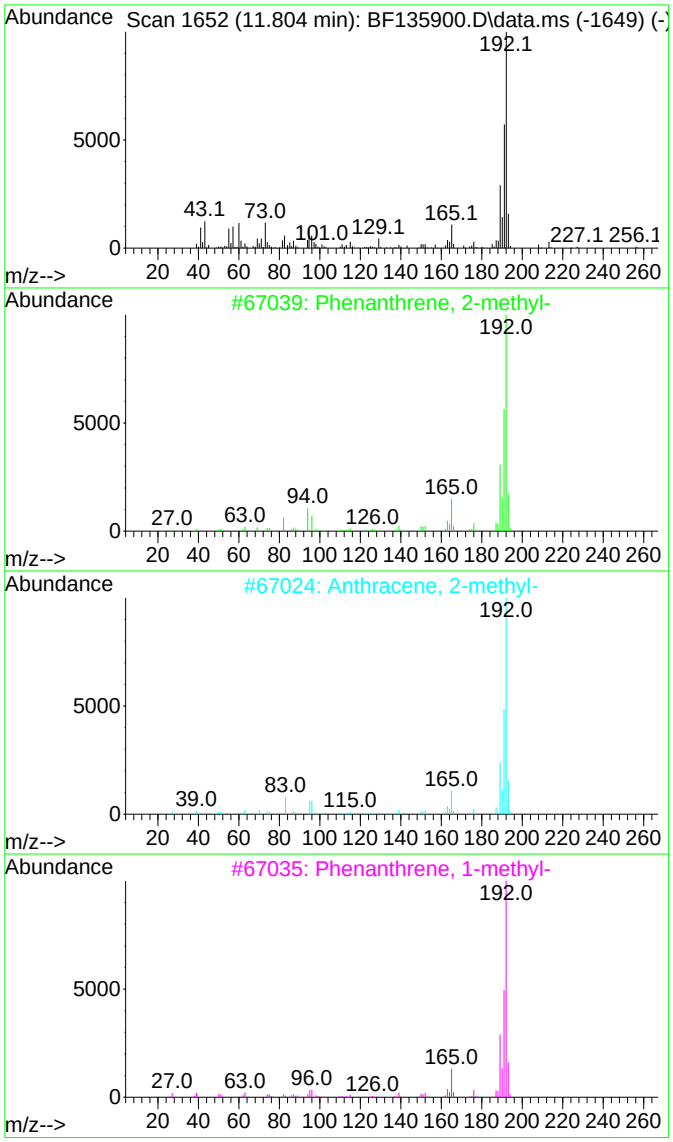
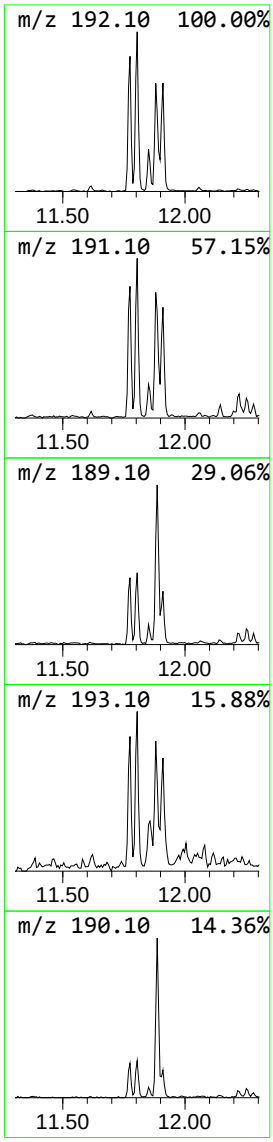
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	14.15 ng	275868	Phenanthrene-d10	11.269

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89





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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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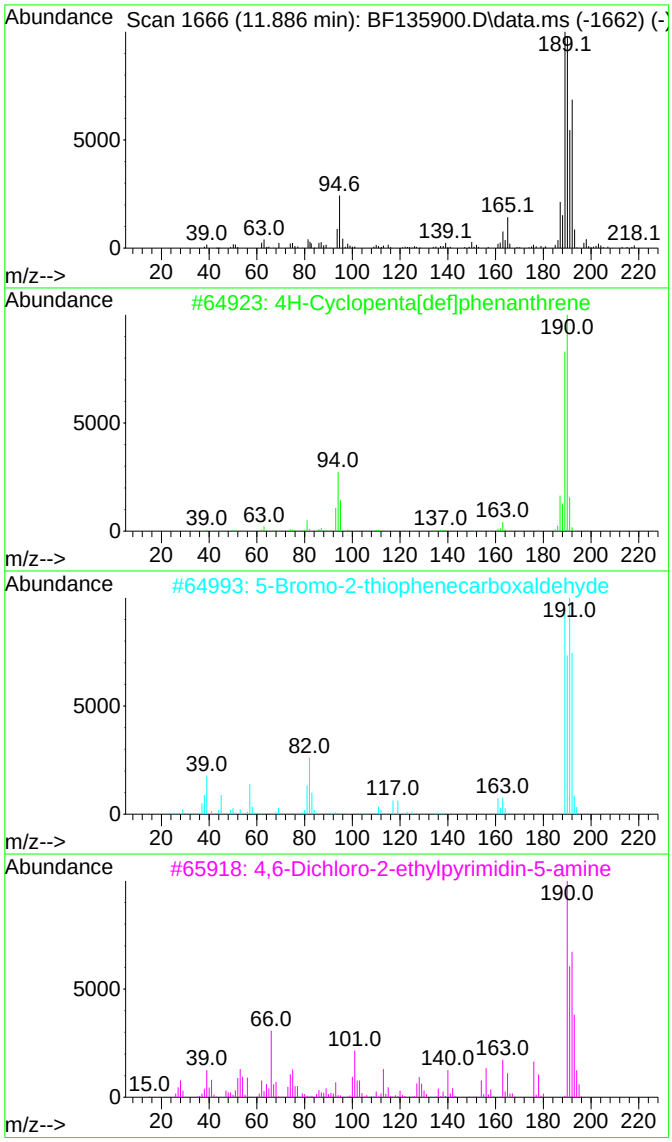
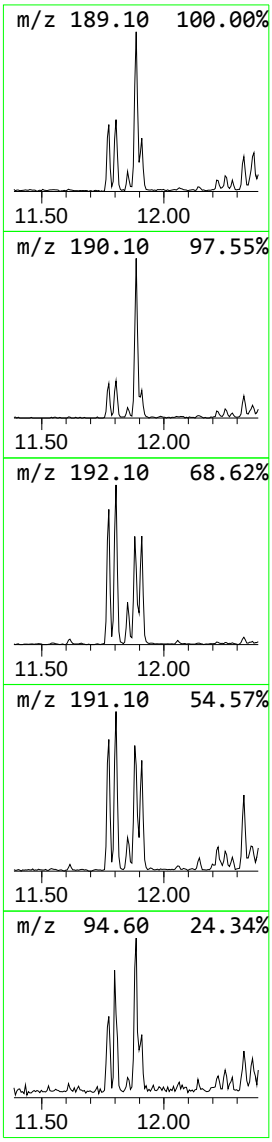
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	12.31 ng	239987	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	50
3	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	Megastigmatrienone	190	C13H18O	038818-55-2	18





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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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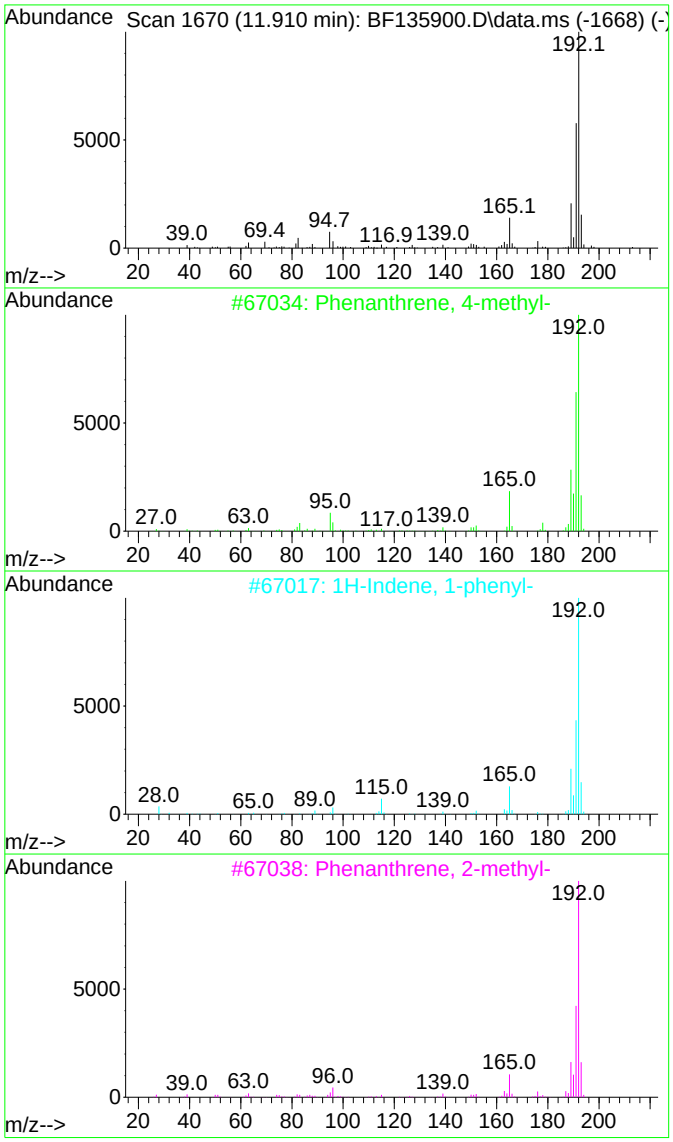
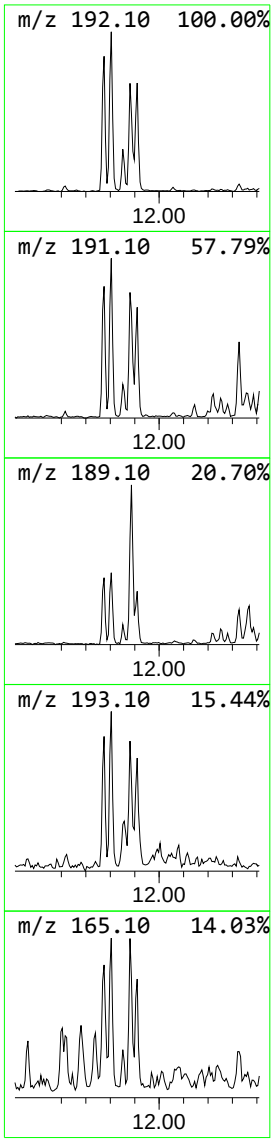
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	5.59 ng	108952	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	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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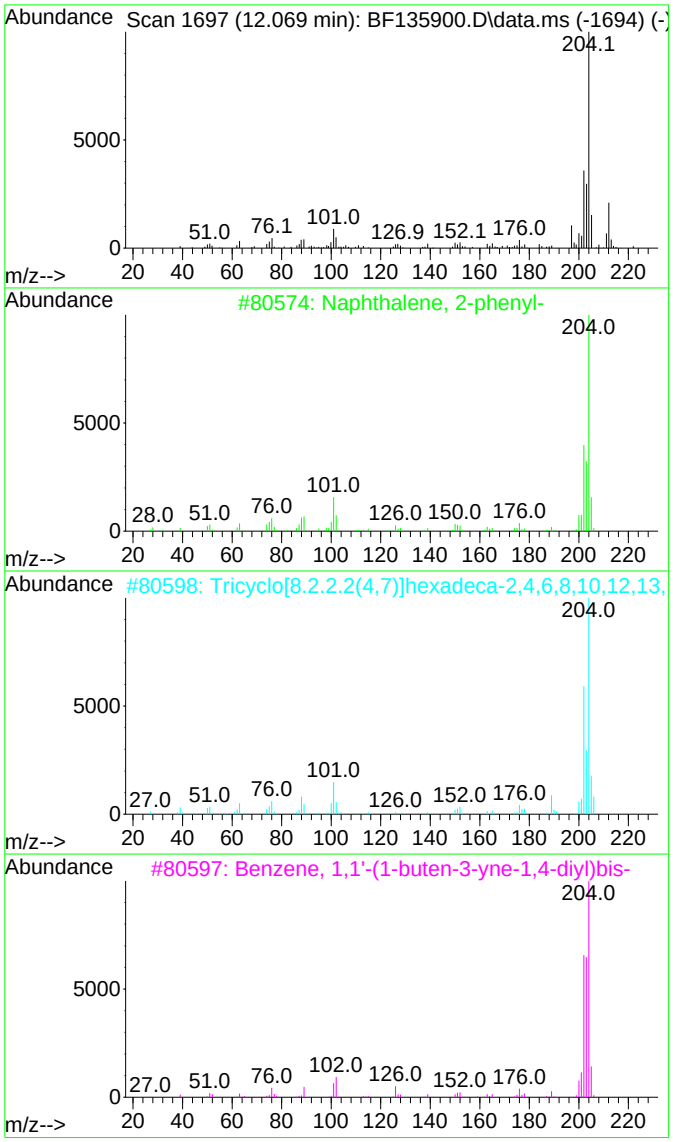
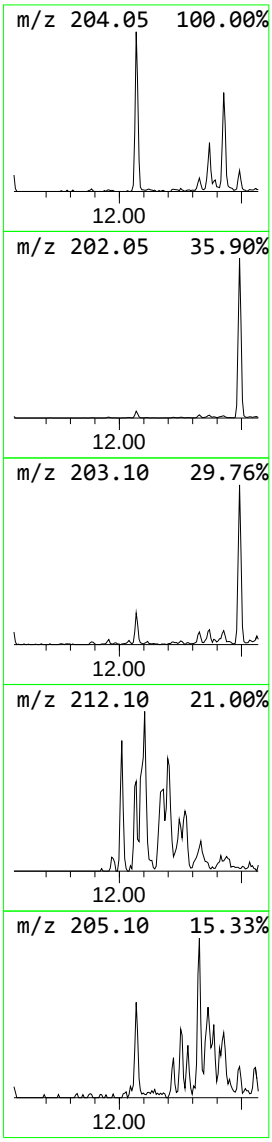
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	5.90 ng	114974	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	46





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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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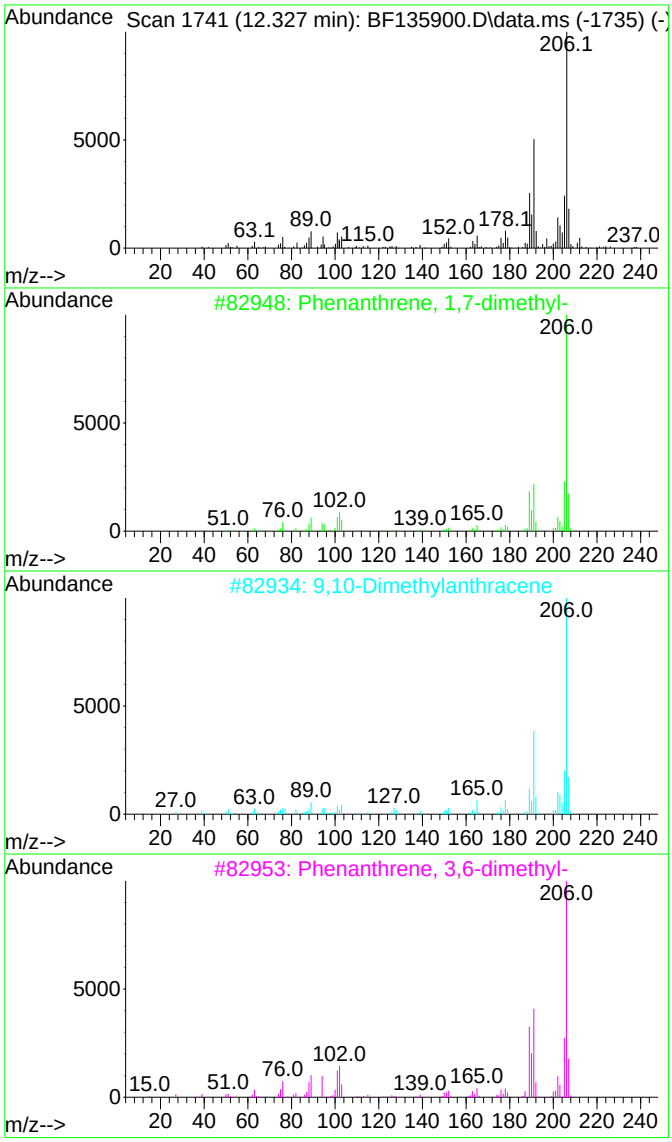
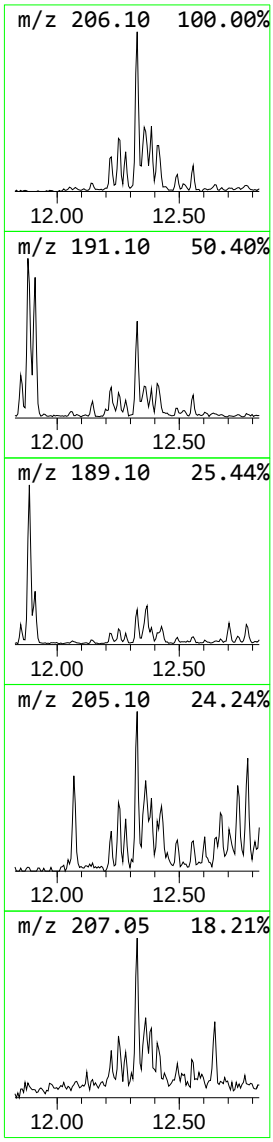
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	7.55 ng	147267	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93





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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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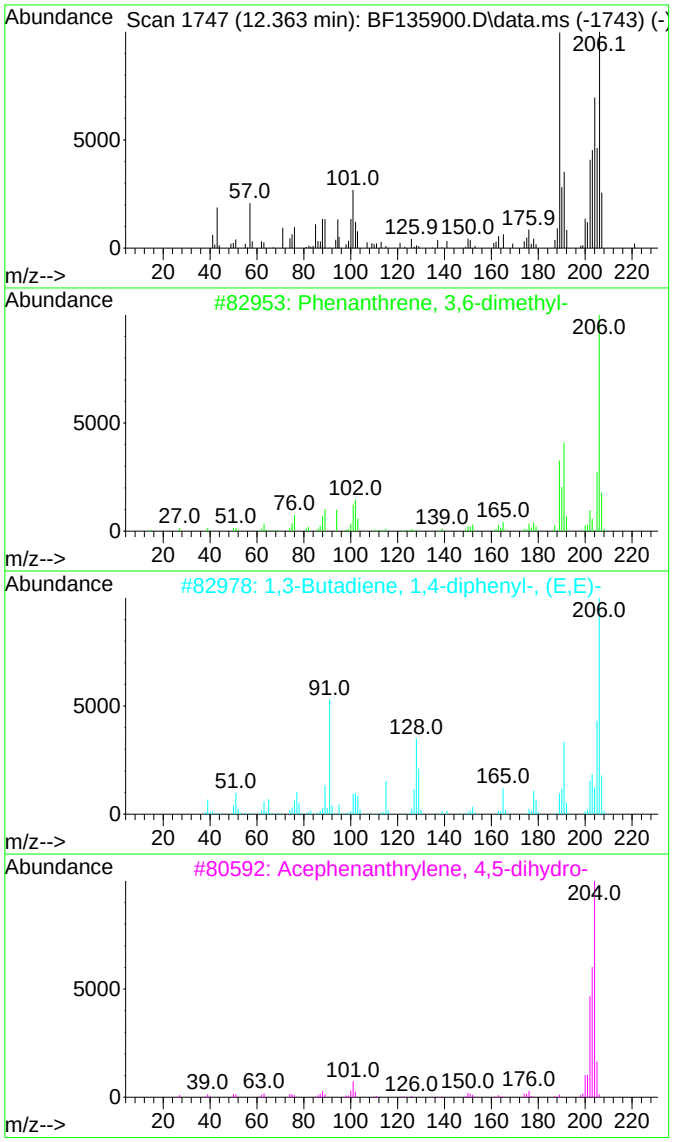
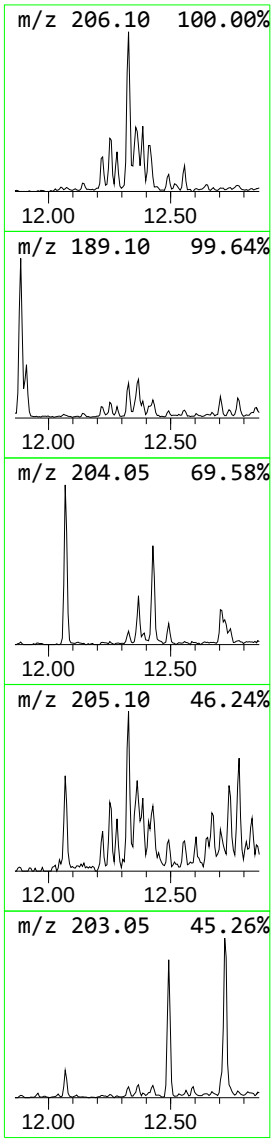
Peak Number 13 unknown12.363 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	3.85 ng	75014	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	41
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	40
4	5-Bromo-2-(methylthio)pyrimidine	204	C5H5BrN2S	014001-67-3	38
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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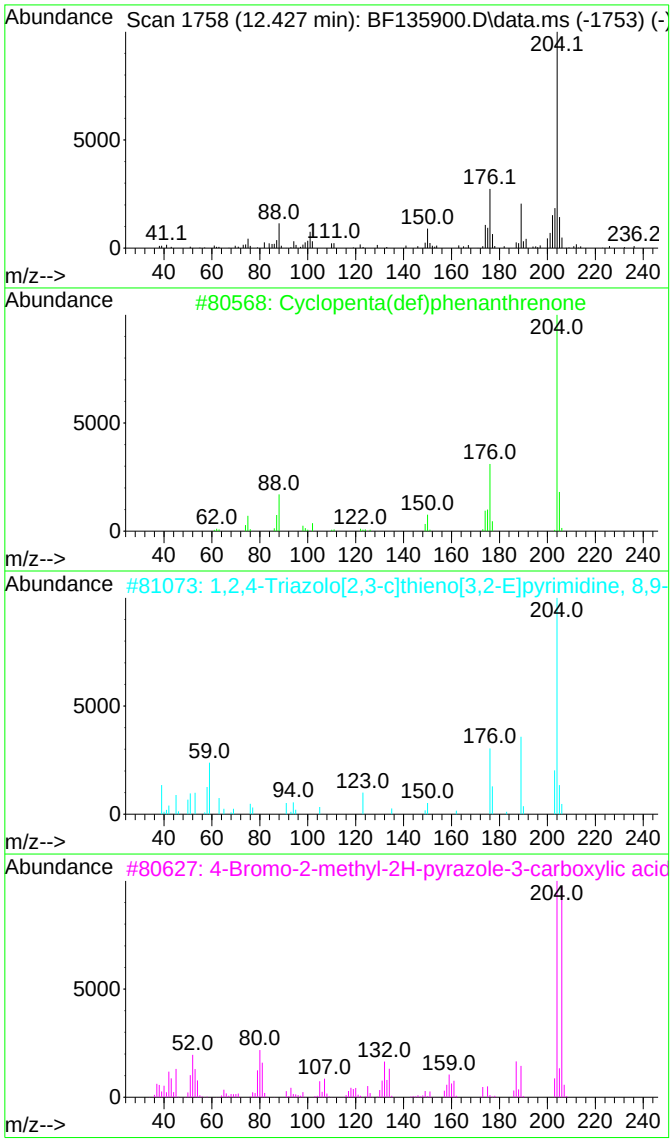
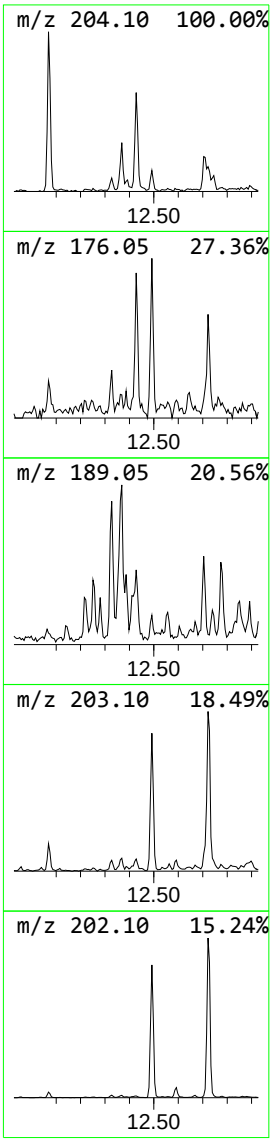
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	3.68 ng	71742	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	59
3	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
5	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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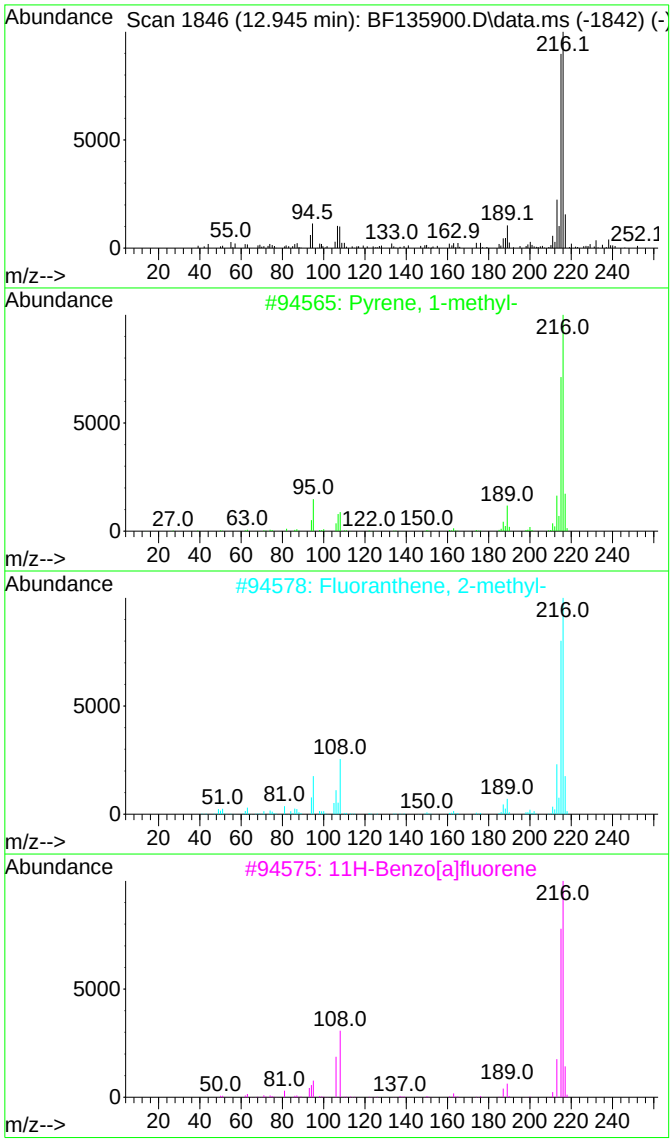
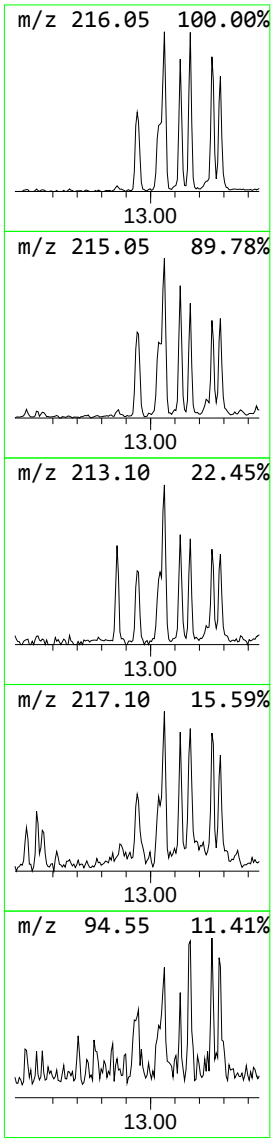
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.945	3.85 ng	128745	Chrysene-d12	13.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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TIC Library : C:\Database\NIST20.L
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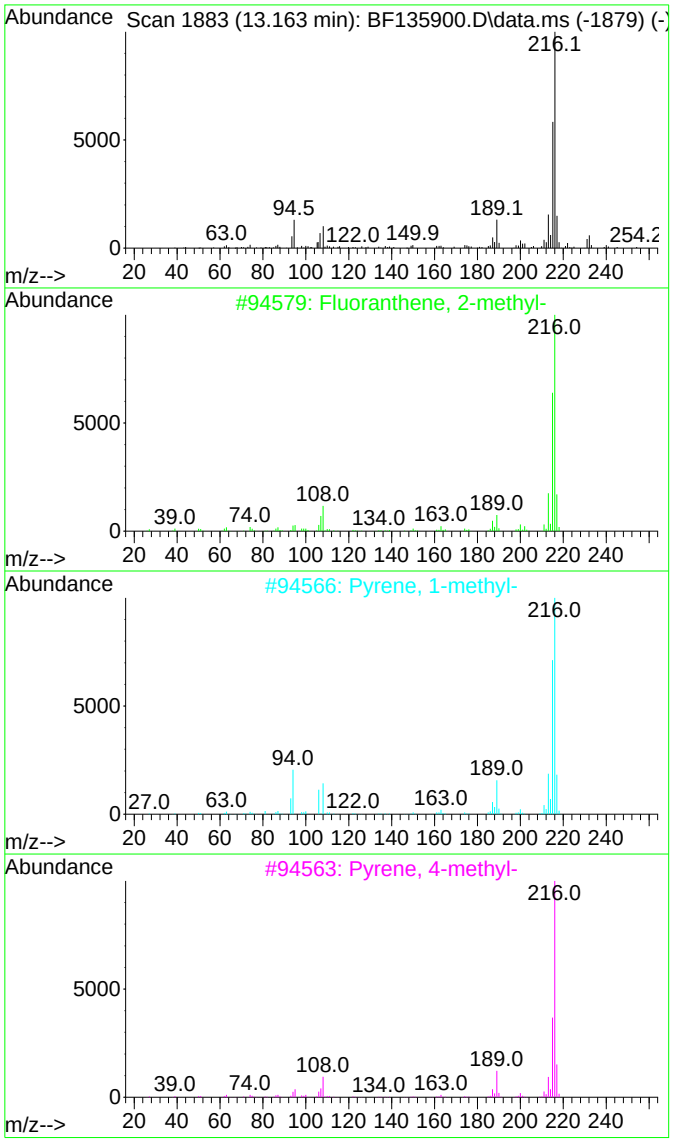
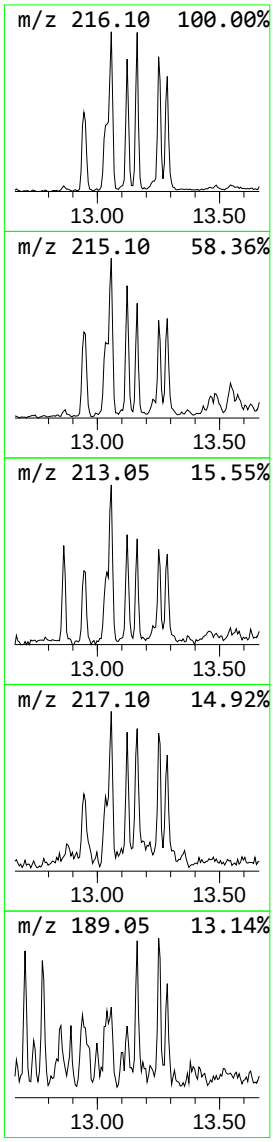
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.163	3.73 ng	124611	Chrysene-d12	13.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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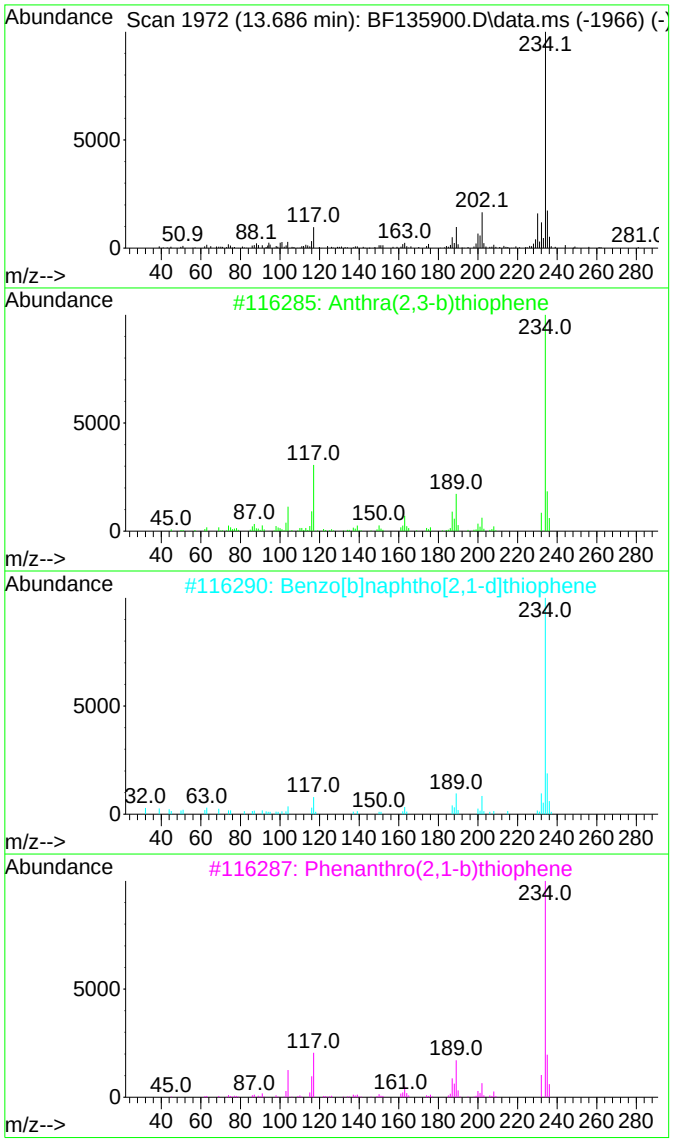
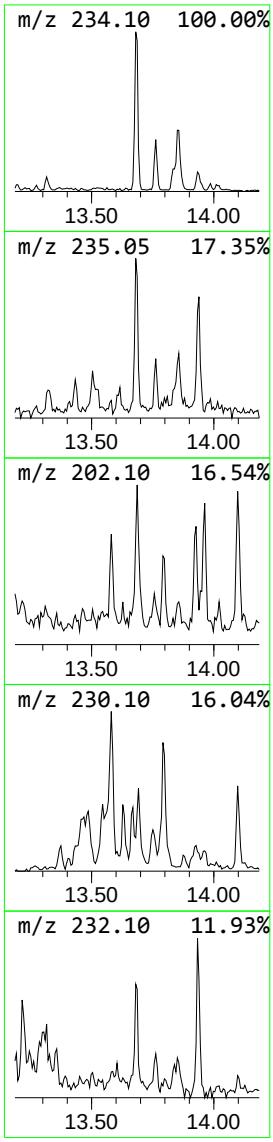
Peak Number 18 Anthra(2,3-b)thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.686	3.91 ng	130459	Chrysene-d12	13.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	76
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	74
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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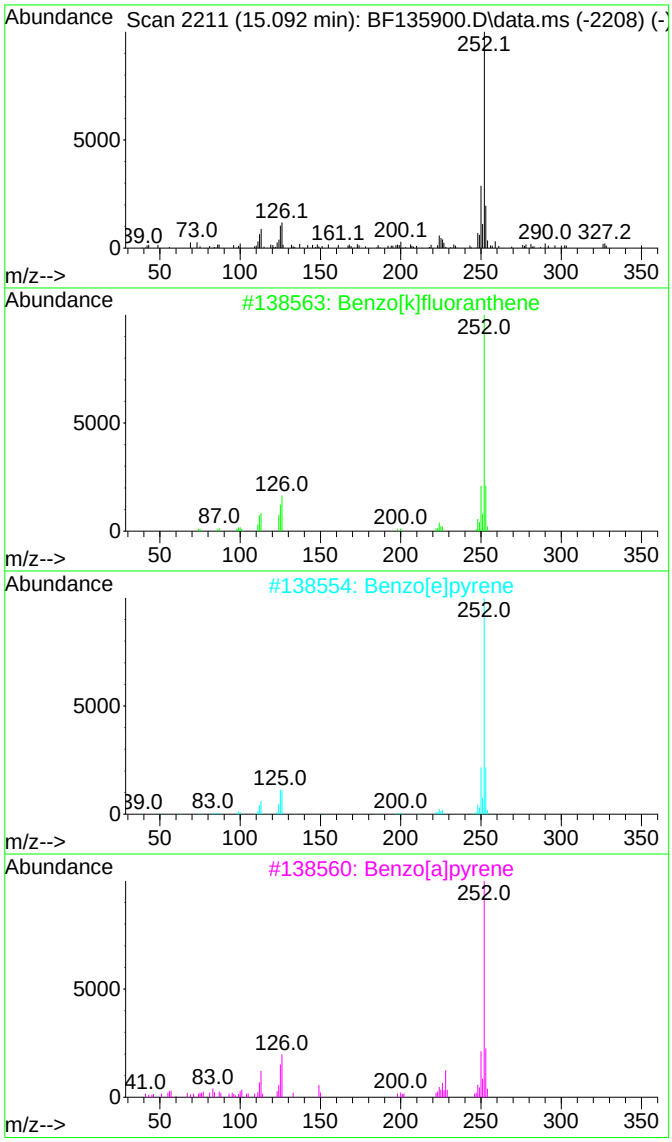
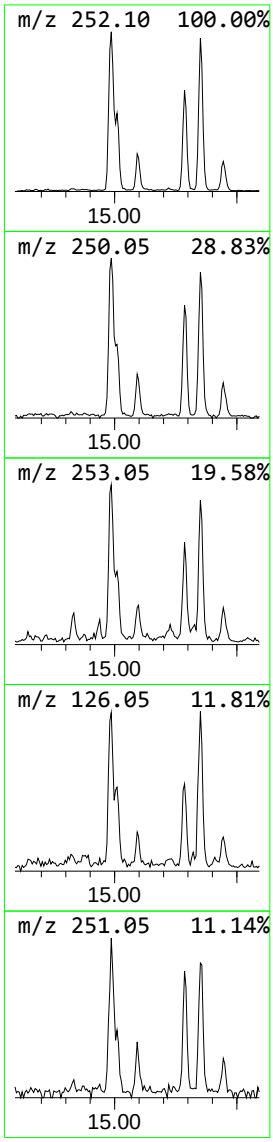
Peak Number 19 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	4.03 ng	49920	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
2	Benzo[e]pyrene	252	C20H12	000192-97-2	87
3	Benzo[a]pyrene	252	C20H12	000050-32-8	87
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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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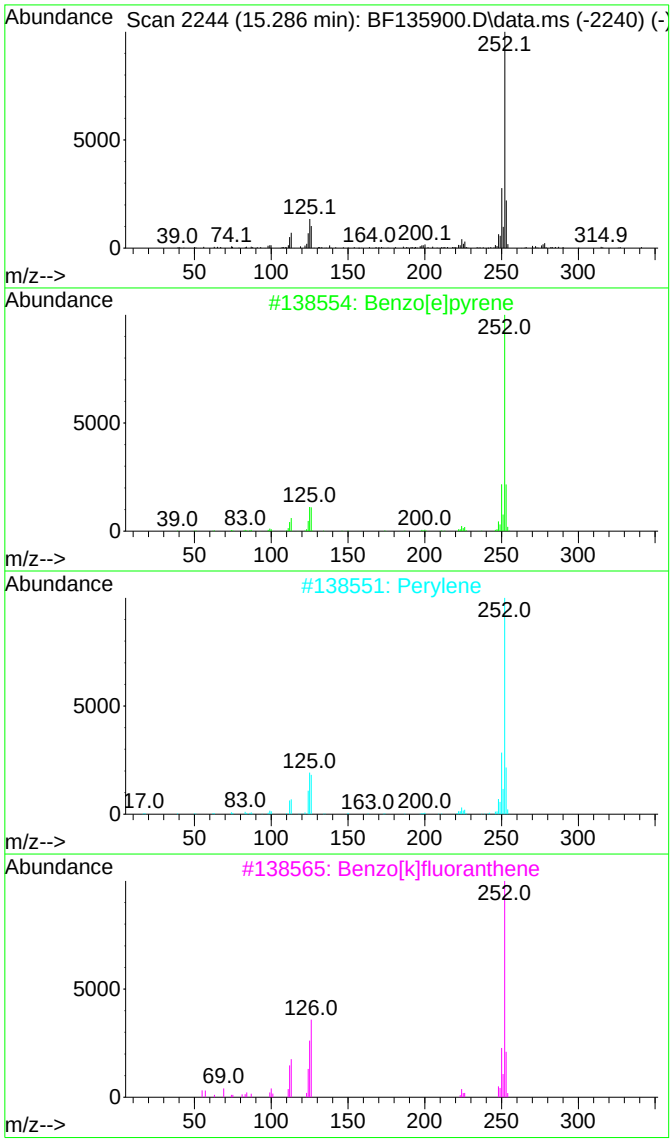
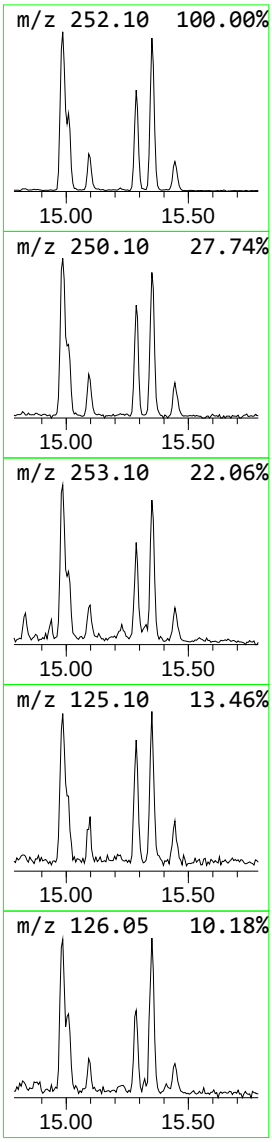
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.286	9.57 ng	118563	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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, 1,...	9.363	4.7	ng	120535	3	9.769	510202	20.0
Naphthalene, 1,...	9.428	5.4	ng	137457	3	9.769	510202	20.0
9H-Fluorene, 2-...	10.874	3.9	ng	76036	4	11.269	389934	20.0
Dibenzothiophene	11.163	5.7	ng	111937	4	11.269	389934	20.0
4-Methylnaphtho...	11.604	4.8	ng	93701	4	11.269	389934	20.0
Dibenzothiophen...	11.686	3.8	ng	74054	4	11.269	389934	20.0
Phenanthrene, 2...	11.775	9.1	ng	177251	4	11.269	389934	20.0
Anthracene, 2-m...	11.804	14.2	ng	275868	4	11.269	389934	20.0
4H-Cyclopenta[d...	11.886	12.3	ng	239987	4	11.269	389934	20.0
Phenanthrene, 4...	11.910	5.6	ng	108952	4	11.269	389934	20.0
Naphthalene, 2-...	12.069	5.9	ng	114974	4	11.269	389934	20.0
Phenanthrene, 1...	12.327	7.5	ng	147267	4	11.269	389934	20.0
unknown12.363	12.363	3.9	ng	75014	4	11.269	389934	20.0
Cyclopenta(def)...	12.427	3.7	ng	71742	4	11.269	389934	20.0
Pyrene, 1-methyl-	12.945	3.9	ng	128745	5	13.933	668014	20.0
Fluoranthene, 2...	13.163	3.7	ng	124611	5	13.933	668014	20.0
Anthra(2,3-b)th...	13.686	3.9	ng	130459	5	13.933	668014	20.0
Benzo[e]pyrene	15.092	4.0	ng	49920	6	15.410	247856	20.0
Perylene	15.286	9.6	ng	118563	6	15.410	247856	20.0