LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135868.D
Acq On : 19 Oct 2023 01:59
Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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: BF135868.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.969	487	490	503	rBV	85987	132148	3.70%	0.236%
2	5.375	556	559	582	rBV	1401316	1675600	46.96%	2.990%
3	6.393	729	732	757	rBV	1637914	1799765	50.44%	3.211%
4	6.734	787	790	798	rBV	504058	469358	13.15%	0.837%
5	7.305	884	887	904	rBV	1190786	1155705	32.39%	2.062%
6	8.016	1005	1008	1010	rBV	762449	590462	16.55%	1.054%
7	8.040	1010	1012	1016	rVV	407778	335208	9.39%	0.598%
8	8.734	1127	1130	1136	rBV	141414	147881	4.14%	0.264%
9	8.828	1141	1146	1154	rVB2	254552	261703	7.33%	0.467%
10	9.034	1178	1181	1186	rBV2	144358	124439	3.49%	0.222%
11	9.093	1188	1191	1195	rVV	2104554	1806137	50.62%	3.223%
12	9.216	1207	1212	1219	rVV	1287406	1394858	39.09%	2.489%
13	9.363	1233	1237	1241	rBV2	208128	285370	8.00%	0.509%
14	9.434	1245	1249	1252	rBV	274233	311929	8.74%	0.557%
15	9.463	1252	1254	1257	rVV2	94108	115908	3.25%	0.207%
16	9.493	1257	1259	1266	rVB2	153555	155317	4.35%	0.277%
17	9.551	1266	1269	1275	rBV	206868	233734	6.55%	0.417%
18	9.634	1280	1283	1287	rVV	645100	574289	16.09%	1.025%
19	9.775	1299	1307	1310	rBV	710677	670744	18.80%	1.197%
20	9.804	1310	1312	1316	rVV2	266122	278047	7.79%	0.496%
21	9.881	1320	1325	1329	rBV3	85950	112824	3.16%	0.201%
22	9.981	1335	1342	1346	rVB2	444033	448930	12.58%	0.801%
23	10.022	1346	1349	1352	rBV2	123647	113891	3.19%	0.203%
24	10.093	1357	1361	1364	rBV	153090	157407	4.41%	0.281%
25	10.328	1398	1401	1407	rVB	329361	375216	10.52%	0.669%
26	10.481	1424	1427	1431	rVB	211379	195944	5.49%	0.350%
27	10.569	1436	1442	1447	rVV2	1043888	1232236	34.53%	2.199%
28	10.693	1458	1463	1465	rBV	130929	148374	4.16%	0.265%
29	10.881	1489	1495	1497	rBV2	263035	339849	9.52%	0.606%
30	10.904	1497	1499	1502	rVV	164738	142221	3.99%	0.254%
31	10.957	1506	1508	1511	rVV	158807	133746	3.75%	0.239%
32	11.004	1511	1516	1518	rVV	111153	118391	3.32%	0.211%
33	11.028	1518	1520	1526	rVV2	125095	156398	4.38%	0.279%
34	11.116	1532	1535	1539	rVV2	101488	139753	3.92%	0.249%
35	11.163	1539	1543	1550	rVB2	366103	424107	11.89%	0.757%
36	11.275	1558	1562	1563	rBV	503582	495348	13.88%	0.884%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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	11.304	1563	1567	1570	rVV	3126420	3019792	84.63%	5.388%
38	11.351	1571	1575	1578	rVV	1400281	1164507	32.64%	2.078%
39	11.387	1578	1581	1586	rVV3	102949	177734	4.98%	0.317%
40	11.516	1599	1603	1608	rVV3	197012	252478	7.08%	0.450%
41	11.563	1608	1611	1613	rVV2	155706	130148	3.65%	0.232%
42	11.604	1613	1618	1623	rVB2	178249	198266	5.56%	0.354%
43	11.687	1629	1632	1637	rVB	111883	131947	3.70%	0.235%
44	11.775	1644	1647	1650	rBV	610553	558251	15.65%	0.996%
45	11.804	1650	1652	1658	rVV	787577	752427	21.09%	1.343%
46	11.857	1658	1661	1663	rVV	370292	319894	8.97%	0.571%
47	11.892	1663	1667	1669	rVV	1217631	1244140	34.87%	2.220%
48	11.910	1669	1670	1676	rVB	468457	360558	10.10%	0.643%
49	12.075	1695	1698	1702	rVB	371930	316054	8.86%	0.564%
50	12.257	1726	1729	1731	rVV	142347	125594	3.52%	0.224%
51	12.328	1738	1741	1744	rBV	369168	402225	11.27%	0.718%
52	12.369	1744	1748	1751	rVV3	313954	450158	12.62%	0.803%
53	12.428	1754	1758	1761	rBV2	134214	210785	5.91%	0.376%
54	12.504	1766	1771	1773	rBV	3200216	3252599	91.15%	5.804%
55	12.592	1783	1786	1792	rVB	477078	403393	11.31%	0.720%
56	12.645	1792	1795	1798	rBV	209454	209118	5.86%	0.373%
57	12.734	1803	1810	1815	rBV2	2853587	3568236	100.00%	6.367%
58	12.781	1815	1818	1822	rVB2	219860	249001	6.98%	0.444%
59	12.869	1826	1833	1836	rBV2	1542645	1604114	44.96%	2.862%
60	12.945	1842	1846	1851	rBV2	340503	587243	16.46%	1.048%
61	13.034	1858	1861	1863	rBV3	288889	376439	10.55%	0.672%
62	13.063	1863	1866	1869	rVB	993686	901669	25.27%	1.609%
63	13.128	1874	1877	1880	rVV	1001421	844481	23.67%	1.507%
64	13.163	1880	1883	1887	rVV2	485786	581999	16.31%	1.038%
65	13.257	1896	1899	1902	rBV	333825	298237	8.36%	0.532%
66	13.292	1902	1905	1913	rVB2	386153	515890	14.46%	0.920%
67	13.439	1927	1930	1932	rBV2	105604	124177	3.48%	0.222%
68	13.463	1932	1934	1936	rVV	146341	160038	4.49%	0.286%
69	13.486	1936	1938	1941	rVV	160150	181072	5.07%	0.323%
70	13.545	1945	1948	1952	rVV2	199944	281885	7.90%	0.503%
71	13.581	1952	1954	1957	rVB3	124888	137265	3.85%	0.245%
72	13.686	1967	1972	1974	rBV	362812	399020	11.18%	0.712%
73	13.710	1974	1976	1978	rVB	340324	264270	7.41%	0.472%
74	13.739	1978	1981	1983	rBV	233292	201015	5.63%	0.359%
75	13.857	1999	2001	2007	rVB	135916	167580	4.70%	0.299%
76	13.934	2009	2014	2018	rVV2	2000855	3001254	84.11%	5.355%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

77	13.969	2018	2020	2026	rVV	1607520	1656745	46.43%	2.956%
78	14.045	2031	2033	2036	rVV	149267	134869	3.78%	0.241%
79	14.104	2040	2043	2048	rVV3	235282	344577	9.66%	0.615%
80	14.181	2054	2056	2062	rVB2	187474	239714	6.72%	0.428%
81	14.292	2073	2075	2077	rBV	128694	118754	3.33%	0.212%
82	14.333	2077	2082	2085	rVV	542702	702535	19.69%	1.254%
83	14.363	2085	2087	2090	rVV2	245493	247700	6.94%	0.442%
84	14.410	2091	2095	2097	rVV3	170395	249309	6.99%	0.445%
85	14.433	2097	2099	2101	rVV2	299344	262826	7.37%	0.469%
86	14.457	2101	2103	2105	rVV	282075	275170	7.71%	0.491%
87	14.481	2105	2107	2110	rVV2	335136	296007	8.30%	0.528%
88	14.528	2113	2115	2118	rVB2	129638	118070	3.31%	0.211%
89	14.833	2164	2167	2170	rBV2	121249	132787	3.72%	0.237%
90	14.998	2190	2195	2197	rBV	1047189	1537136	43.08%	2.743%
91	15.098	2209	2212	2217	rBV	309971	355832	9.97%	0.635%
92	15.298	2242	2246	2253	rVB	591302	769479	21.56%	1.373%
93	15.363	2253	2257	2263	rBV	1007005	1164263	32.63%	2.077%
94	15.422	2263	2267	2270	rVV	290103	360345	10.10%	0.643%
95	15.457	2270	2273	2278	rVB2	228176	326677	9.16%	0.583%
96	15.598	2294	2297	2300	rBV	92020	134770	3.78%	0.240%
97	15.992	2361	2364	2369	rVB2	94735	131648	3.69%	0.235%
98	16.927	2517	2523	2532	rVB	292072	597206	16.74%	1.066%
99	17.386	2596	2601	2608	rBV	188373	375741	10.53%	0.670%
100	17.651	2641	2646	2652	rBV	64591	134963	3.78%	0.241%

Sum of corrected areas: 56045313

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
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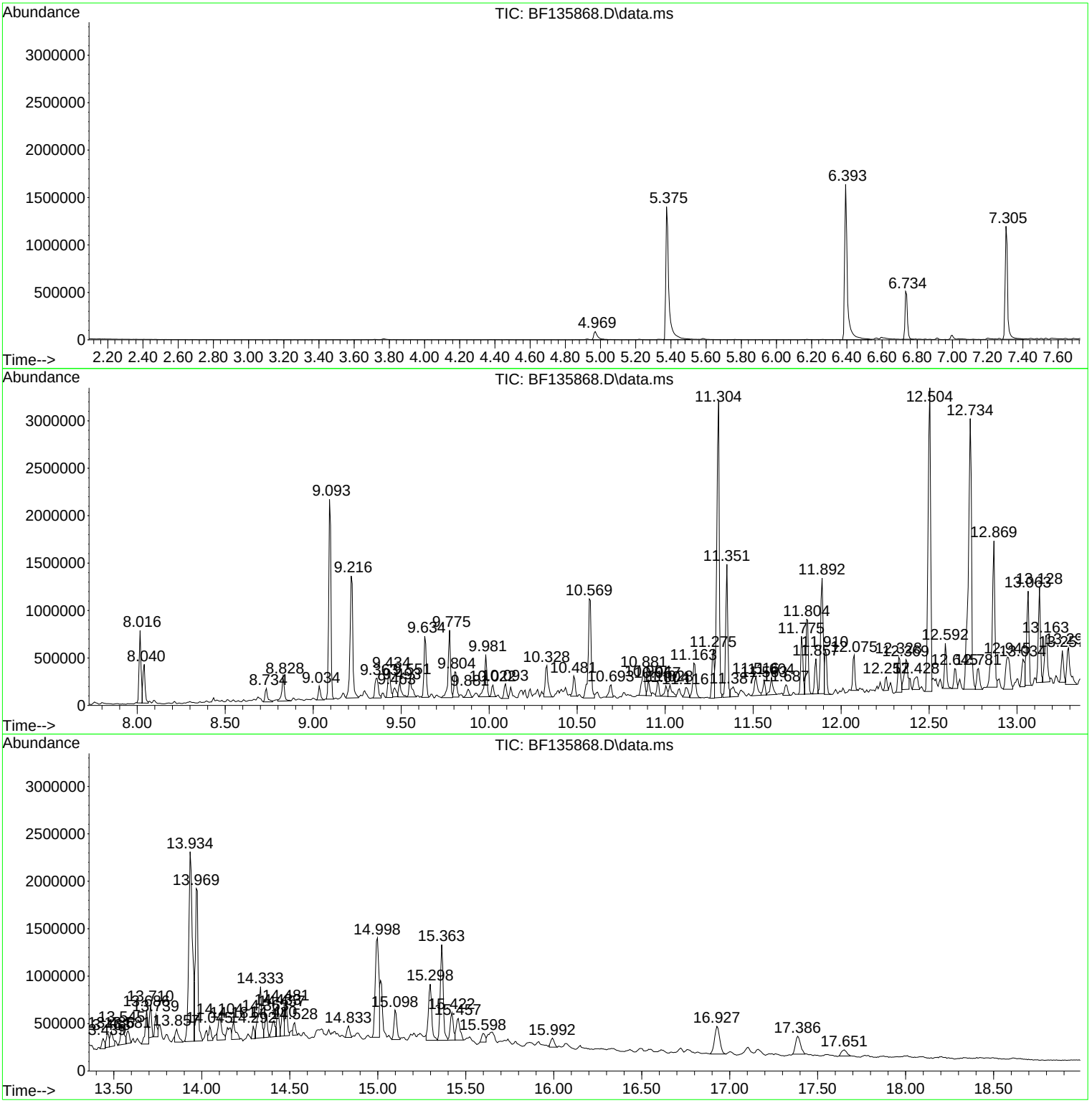
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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\BF101823\
Data File : BF135868.D
Acq On : 19 Oct 2023 01:59
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Instrument :
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ClientSampleId :
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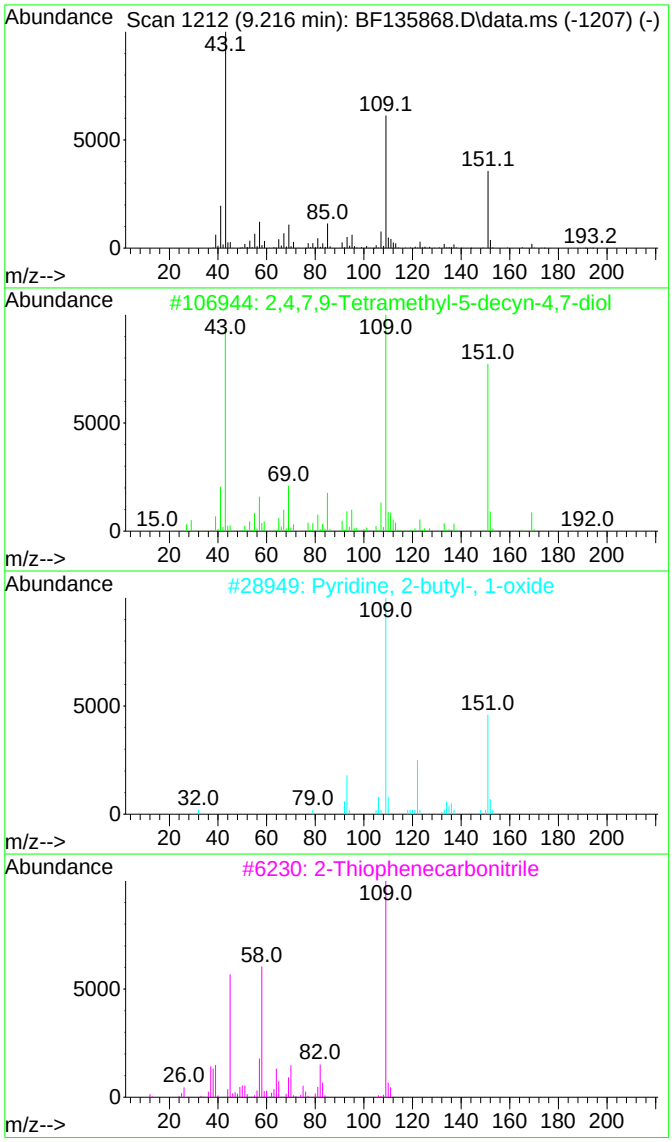
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

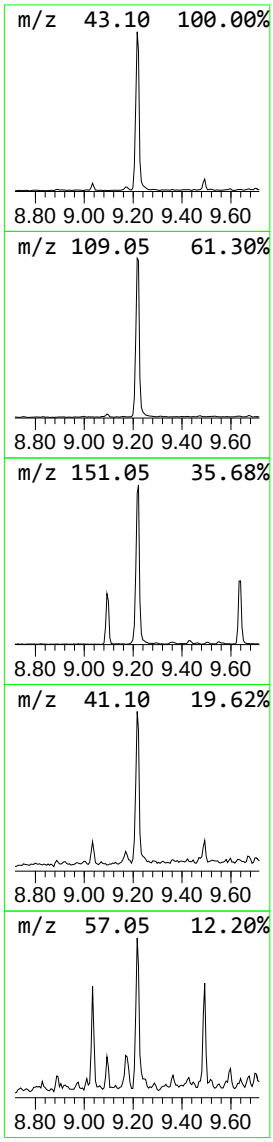
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.216	41.59 ng	1394860	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	87
2	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	53
3	2-Thiophenecarbonitrile	109	C5H3NS	001003-31-2	47
4	Acetaminophen	151	C8H9NO2	000103-90-2	47
5	Metacetamol	151	C8H9NO2	000621-42-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135868.D
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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
Q-3(10-15)

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

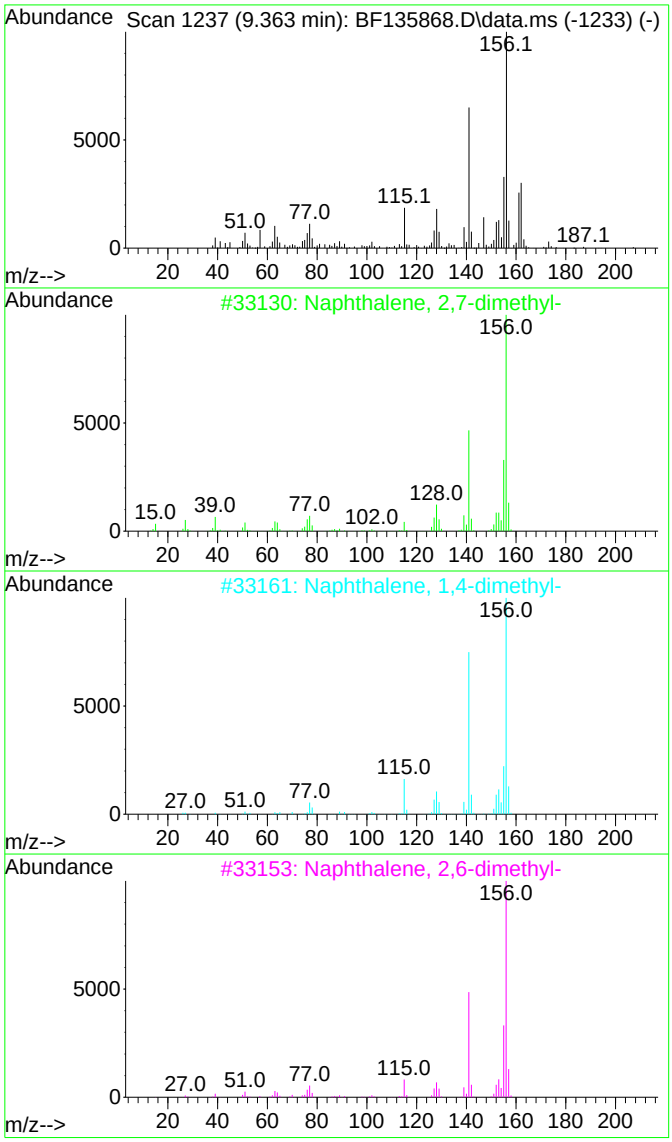
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

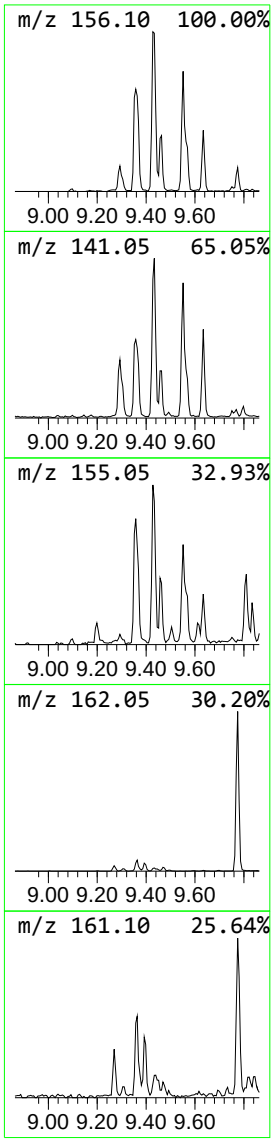
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	8.51 ng	285370	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

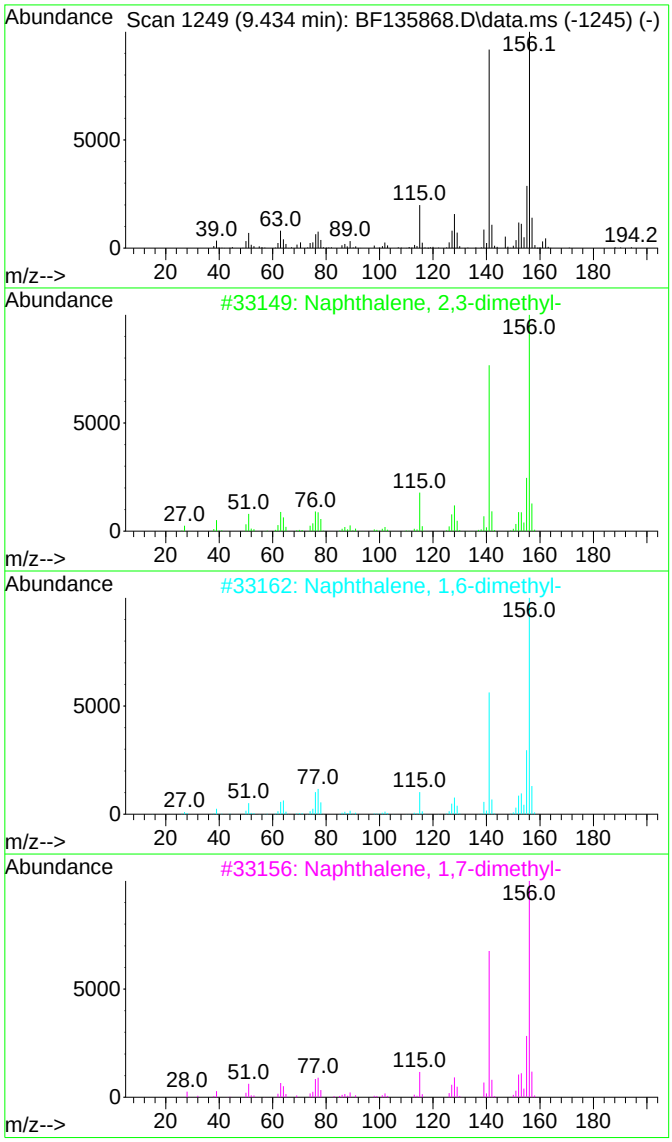
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

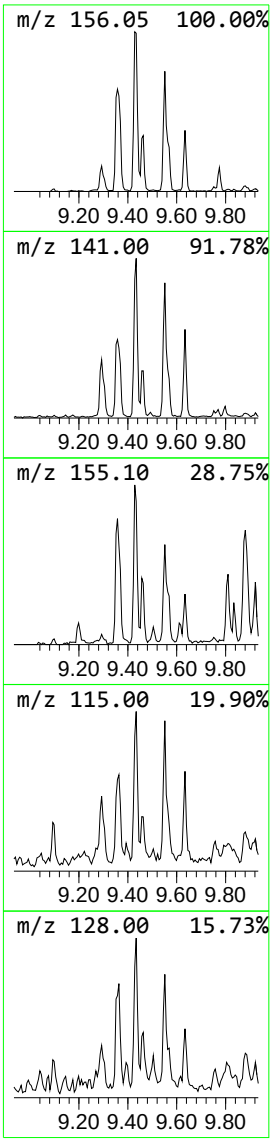
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.434	9.30 ng	311929	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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

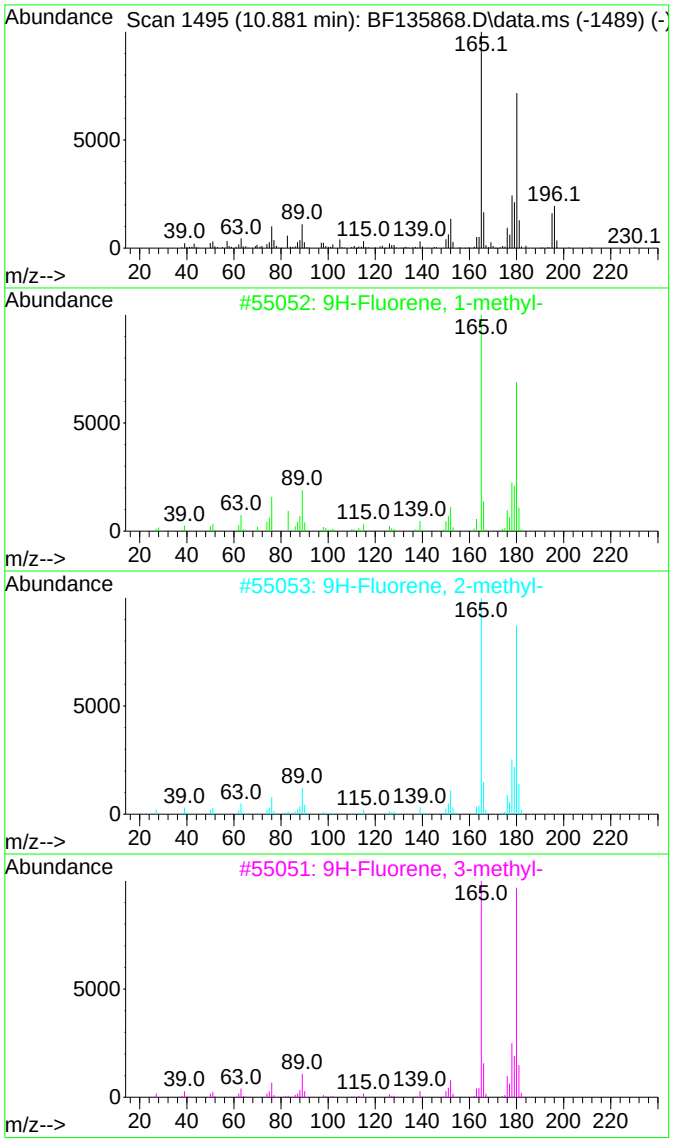
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

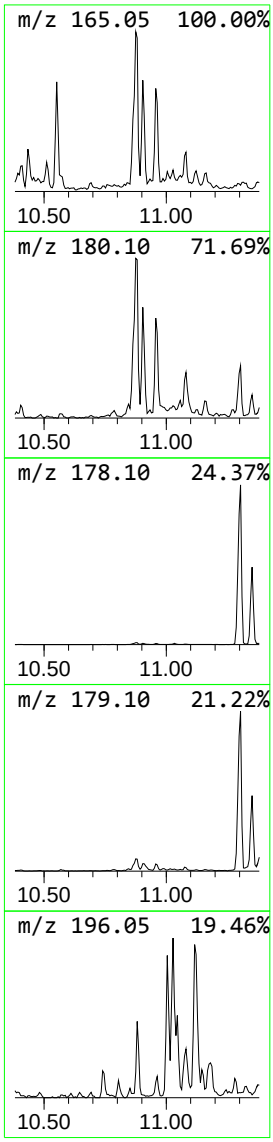
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.881	13.72 ng	339849	Phenanthrene-d10	11.275

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	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135868.D
Acq On : 19 Oct 2023 01:59
Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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

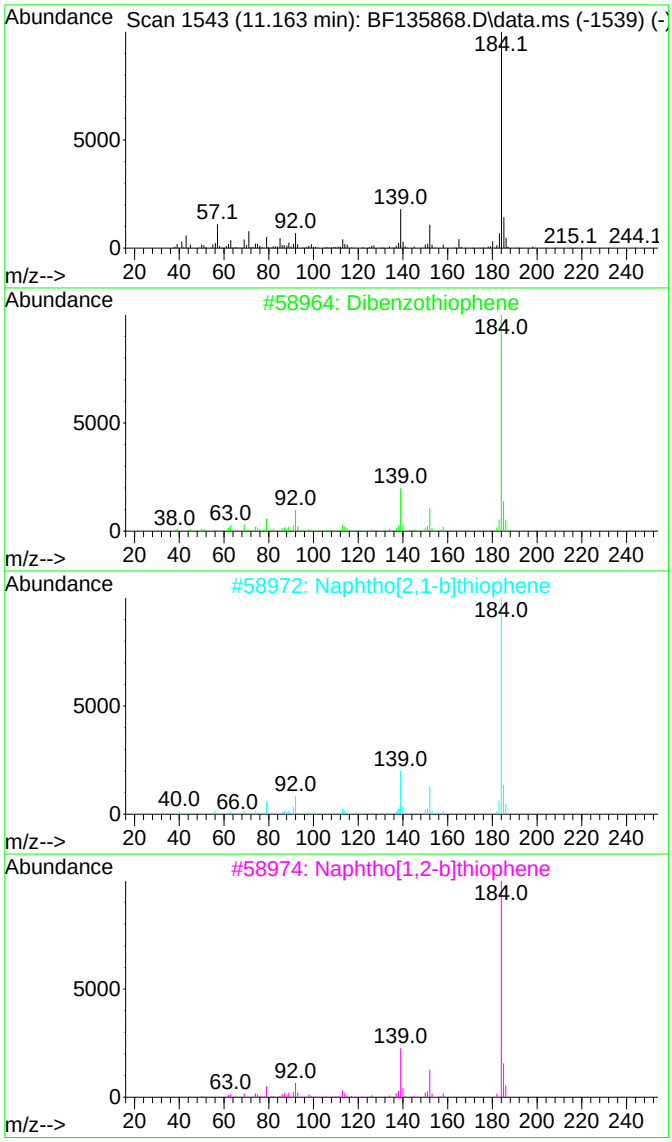
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

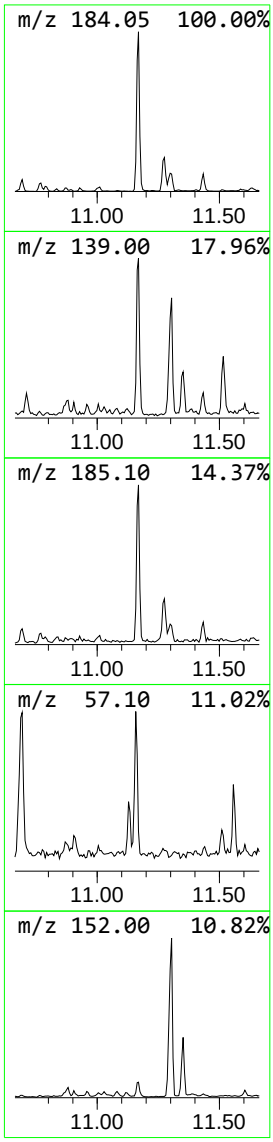
****

Peak Number 5 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	17.12 ng	424107	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : CG\JU
Sample : 04767-03
Misc :
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Instrument :
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ClientSampleId :
Q-3(10-15)

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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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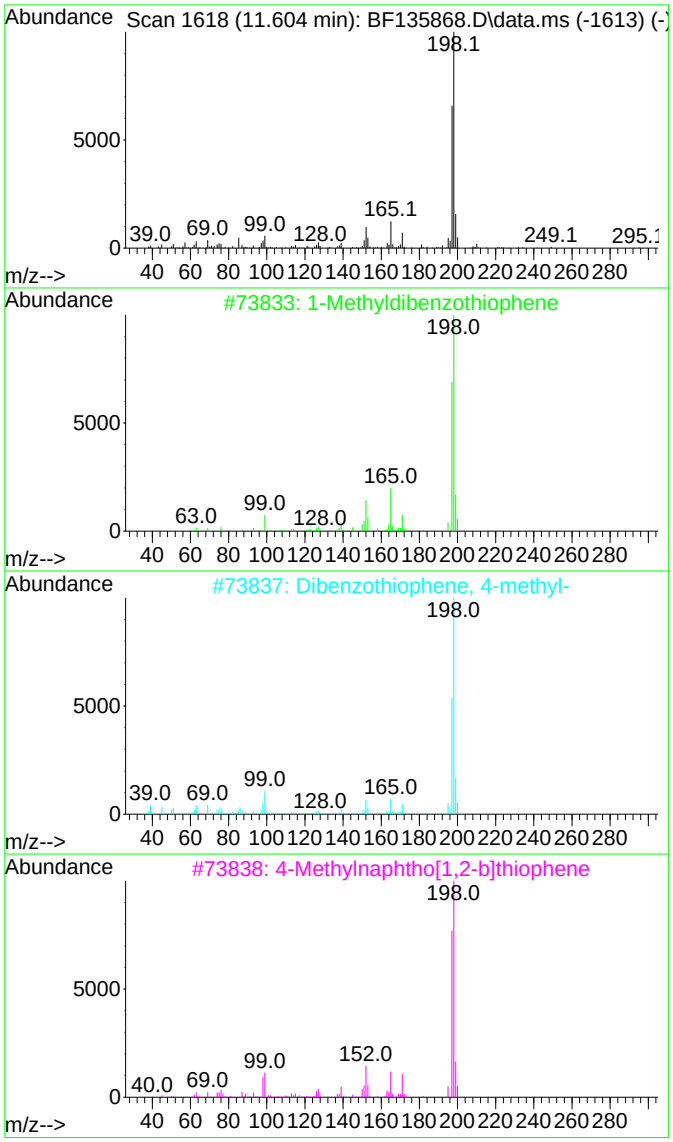
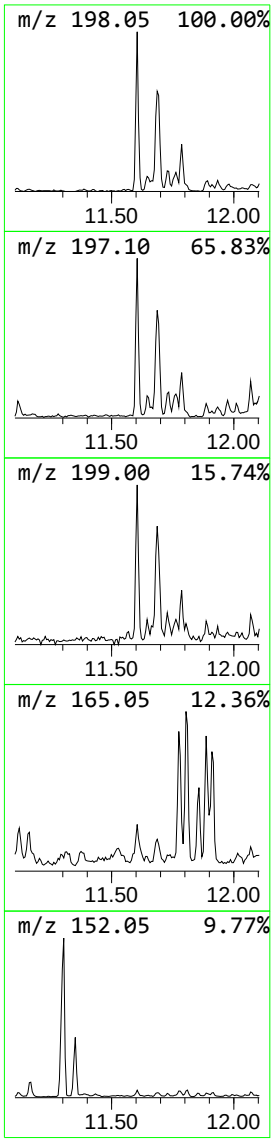
Peak Number 6 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.604	8.01 ng	198266	Phenanthrene-d10	11.275

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





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
Q-3(10-15)

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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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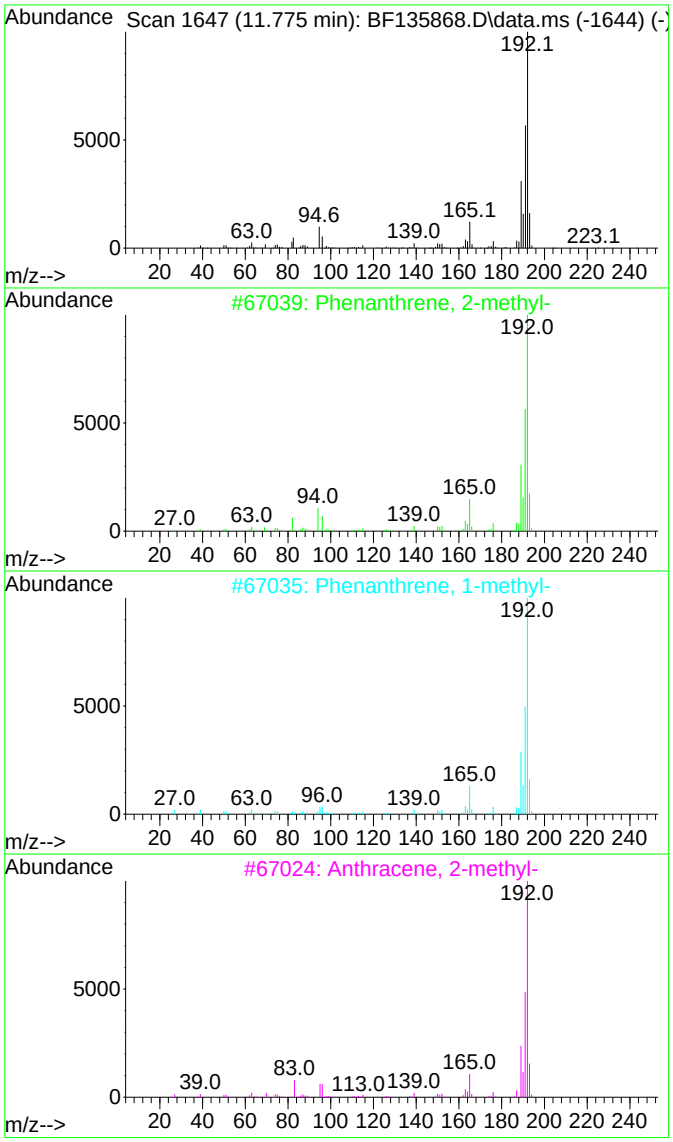
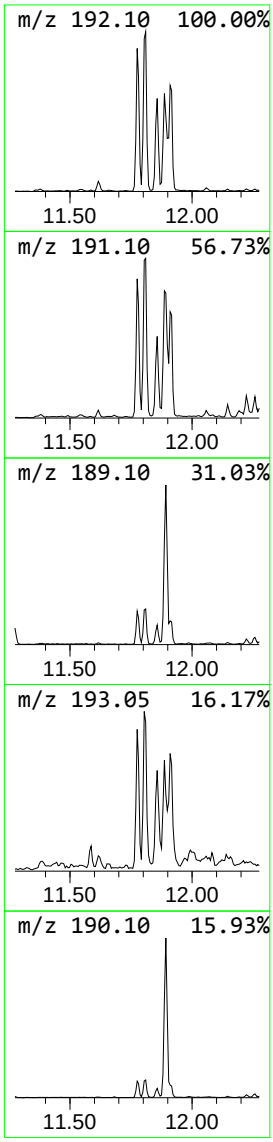
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	22.54 ng	558251	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Misc :
ALS Vial : 14 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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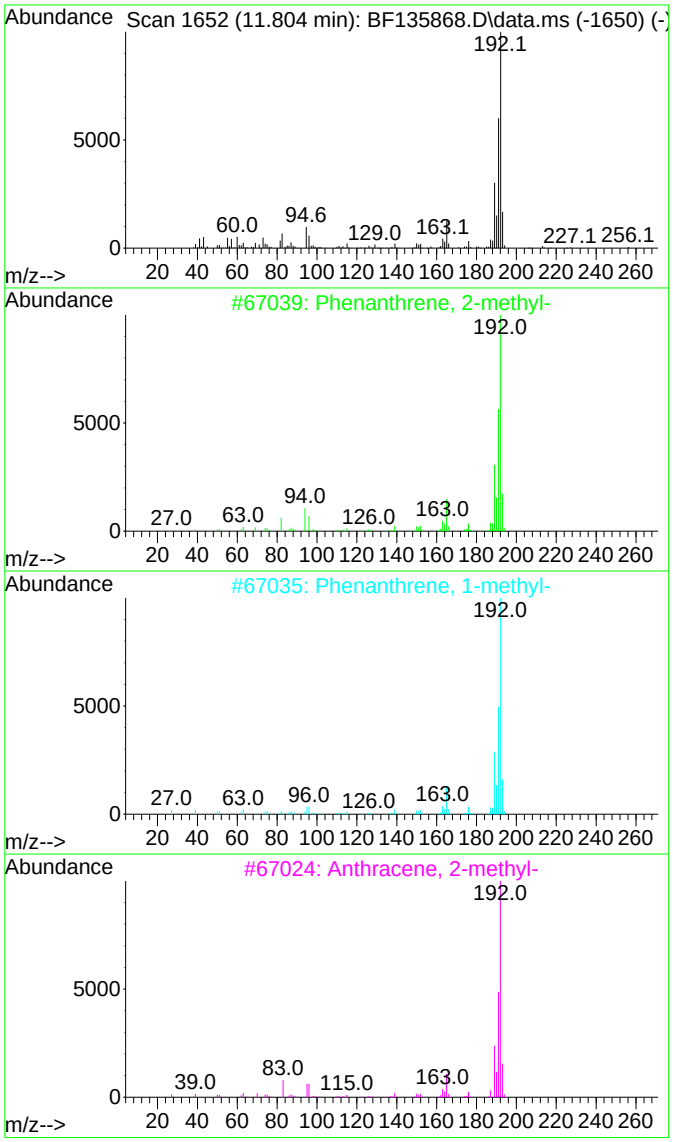
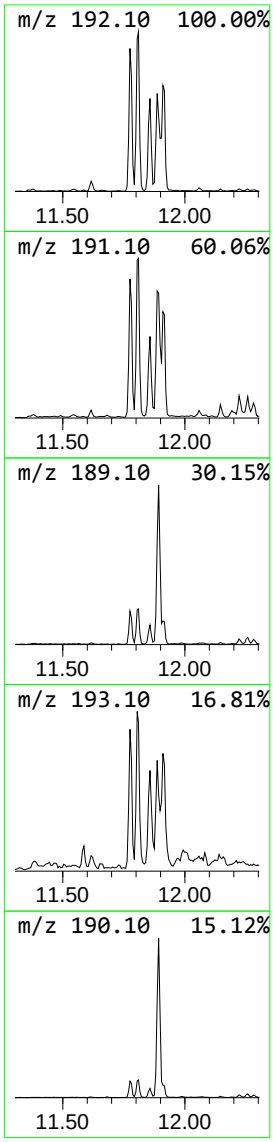
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	30.38 ng	752427	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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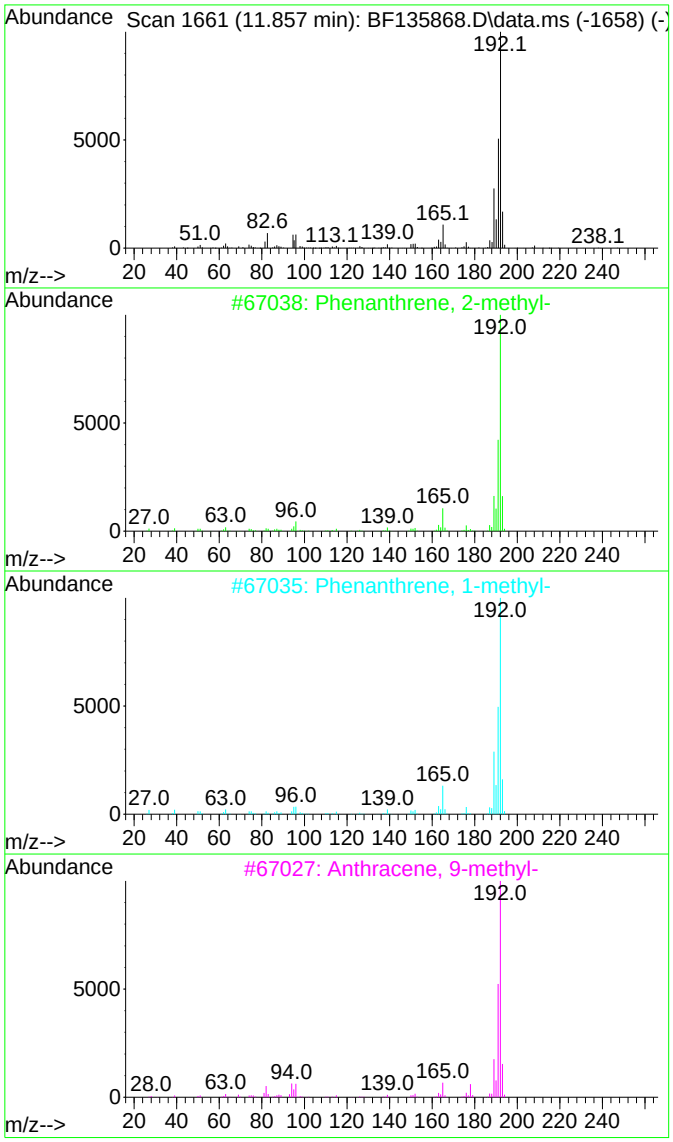
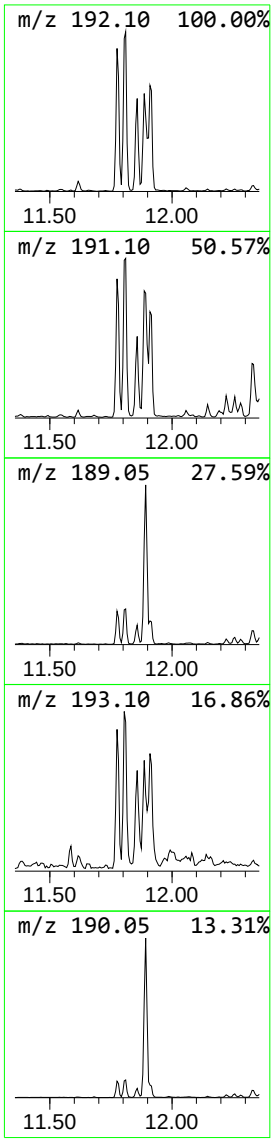
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	12.92 ng	319894	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : 04767-03
Misc :
ALS Vial : 14 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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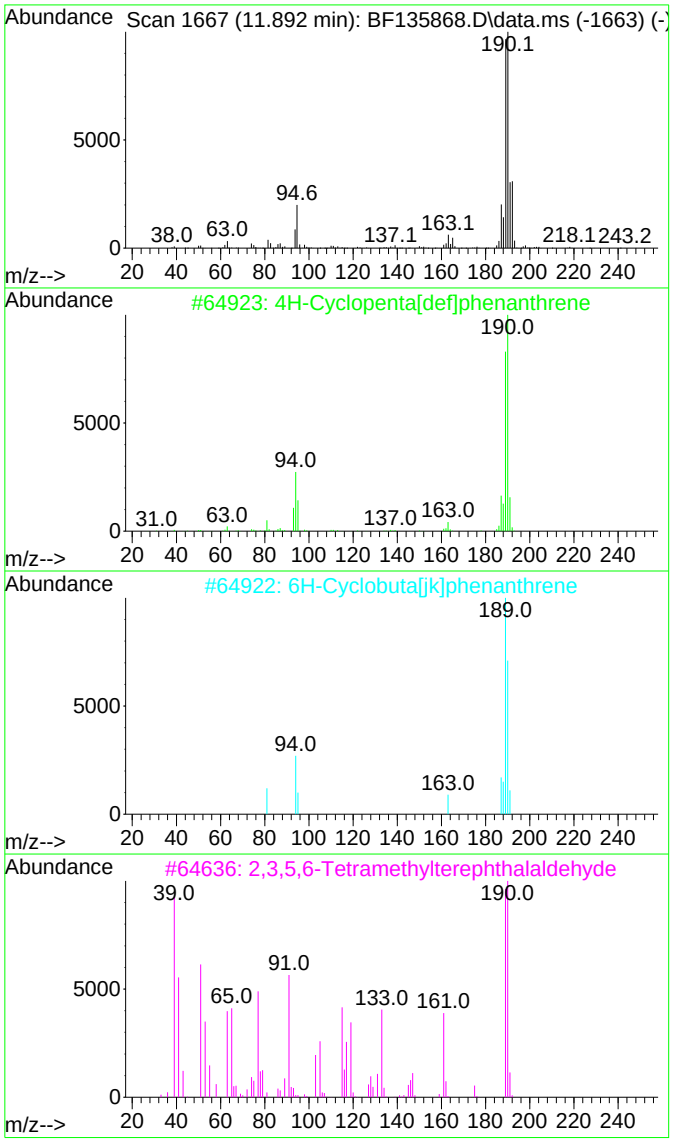
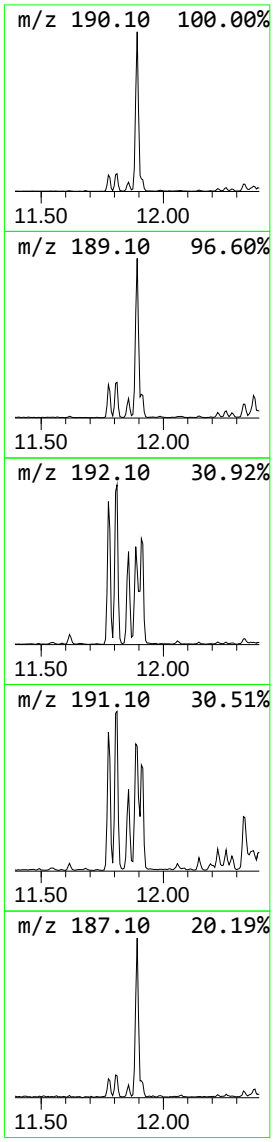
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.893	50.23 ng	1244140	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
ALS Vial : 14 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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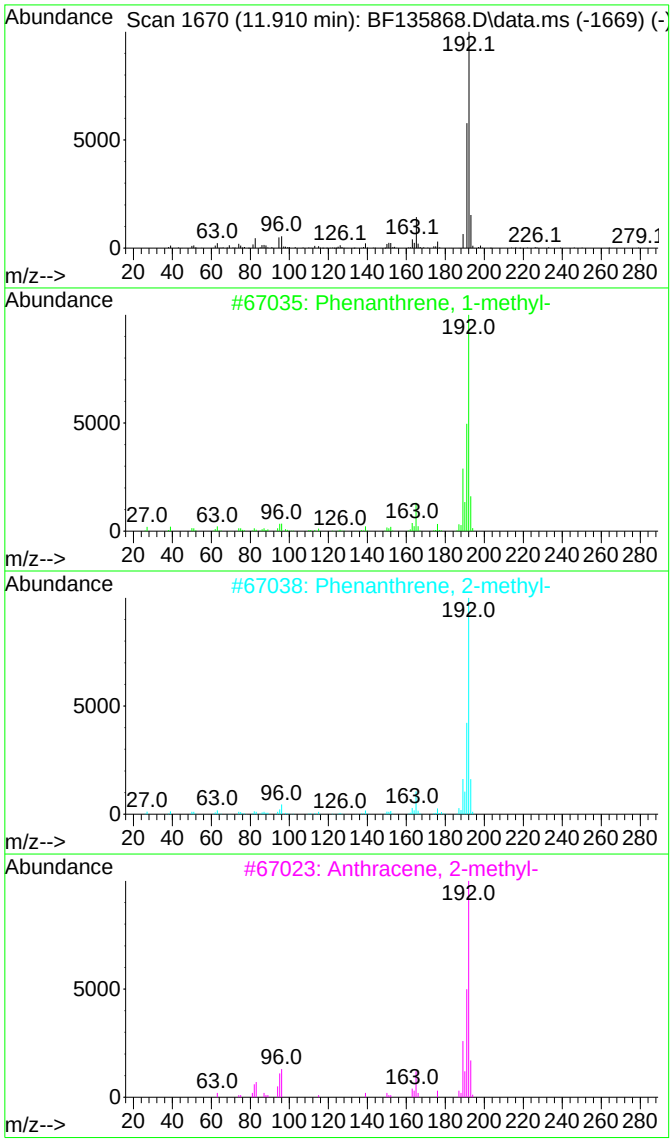
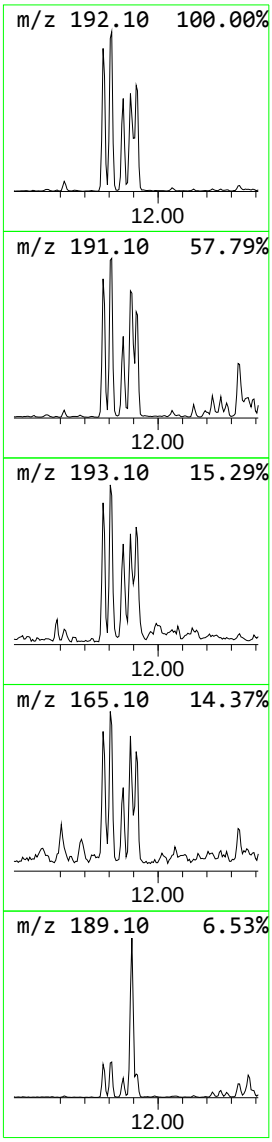
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	14.56 ng	360558	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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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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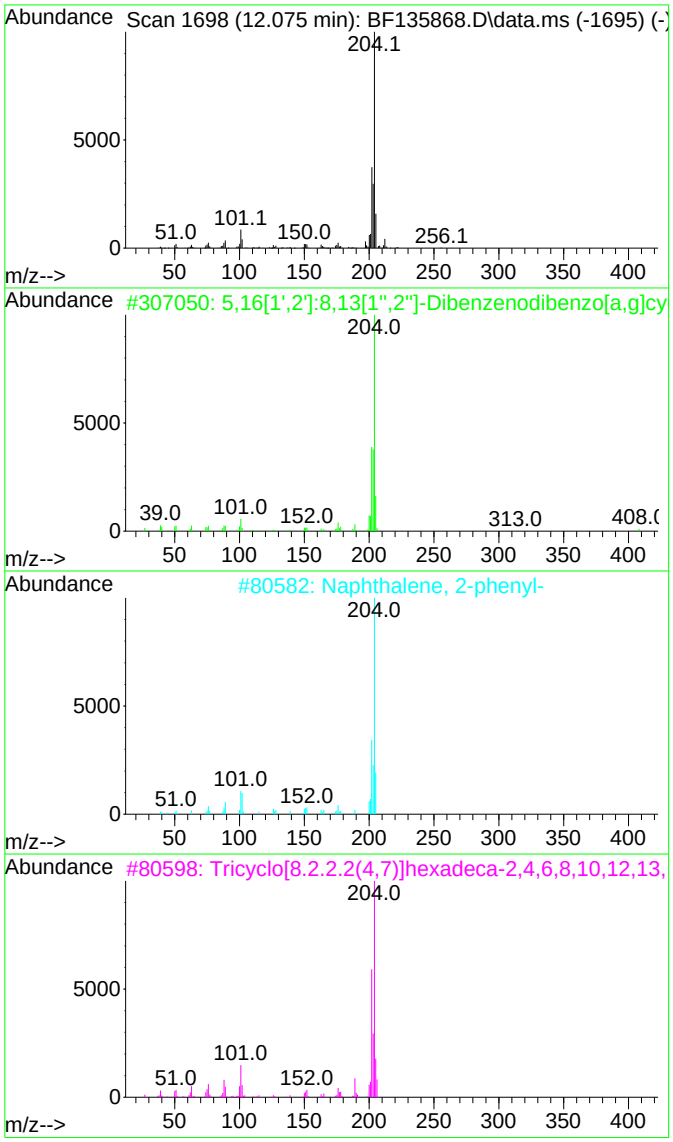
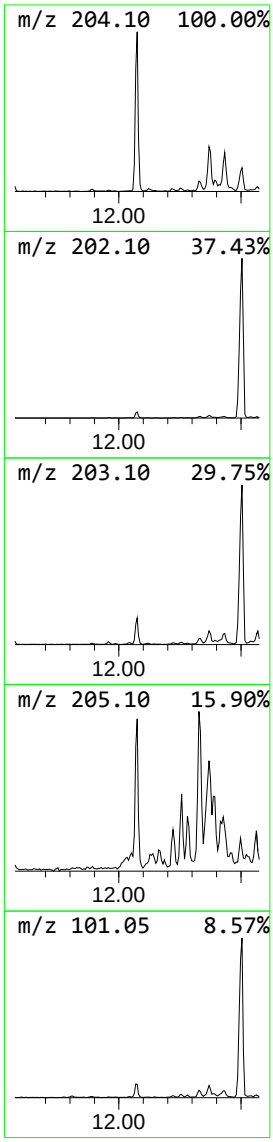
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.075	12.76 ng	316054	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52





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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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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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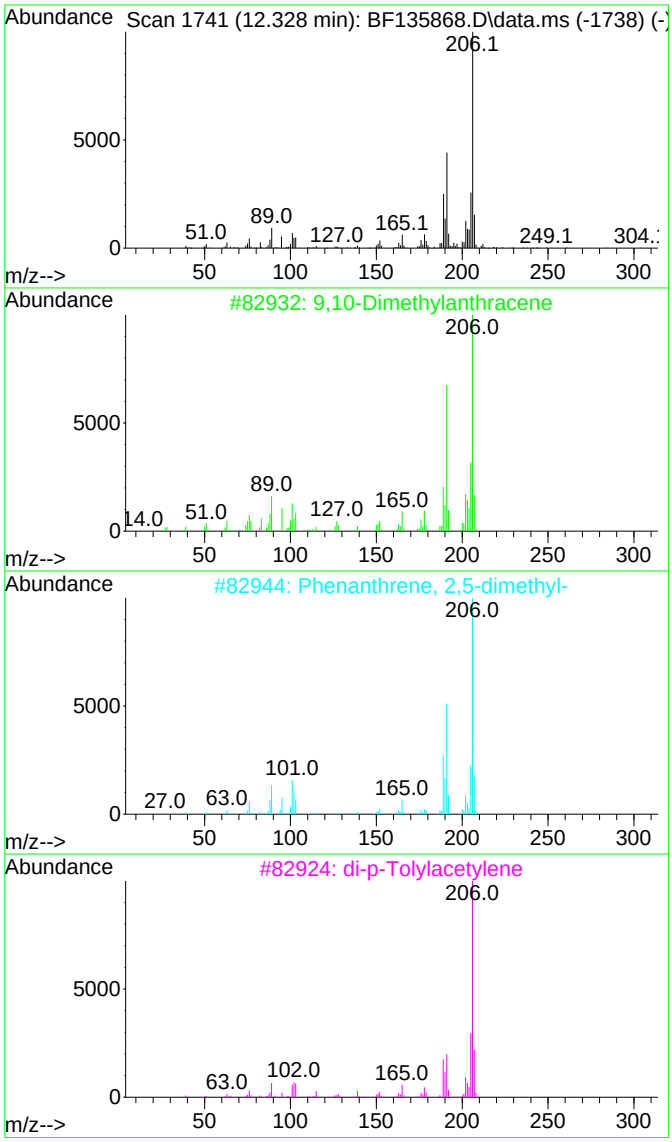
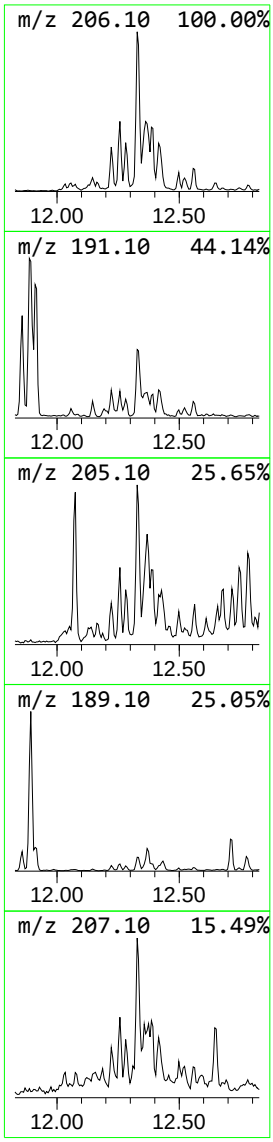
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.328	16.24 ng	402225	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	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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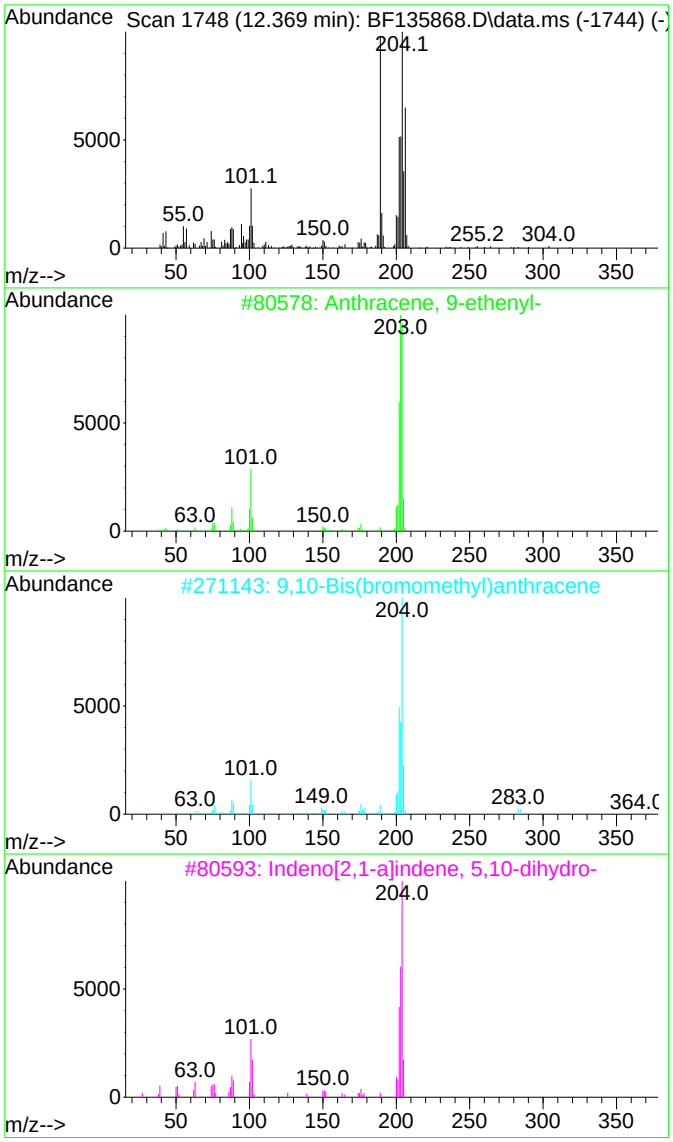
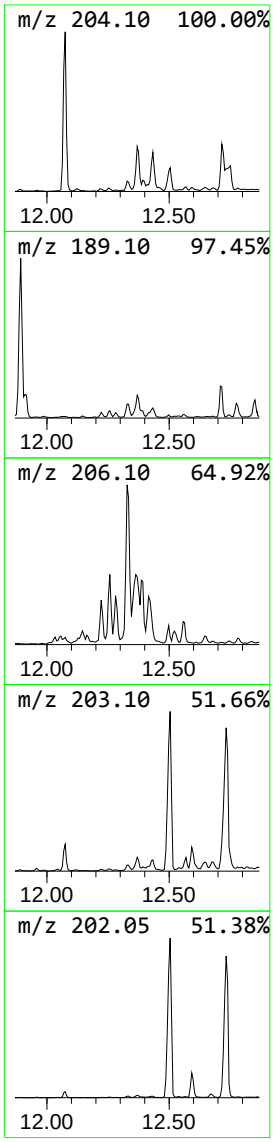
Peak Number 14 unknown12.369 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	18.18 ng	450158	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	52
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	46
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	38
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	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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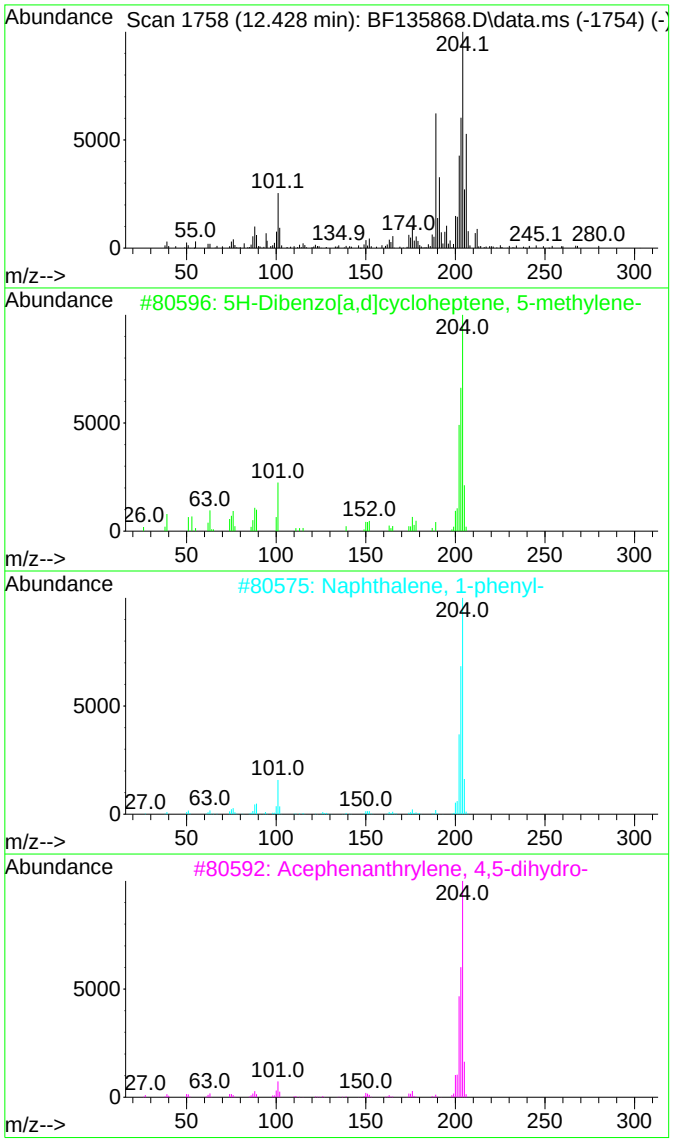
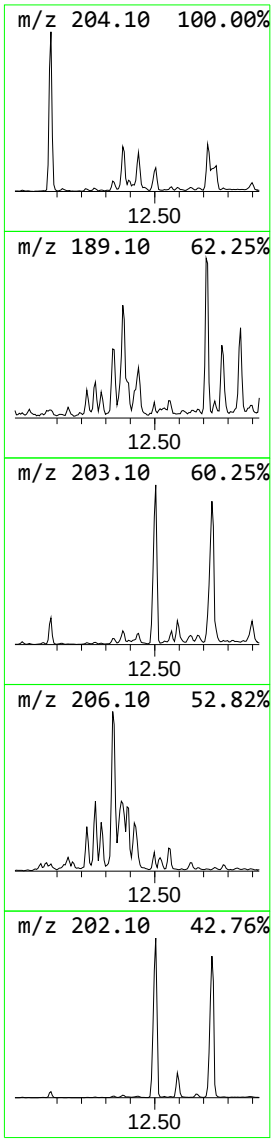
Peak Number 15 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	8.51 ng	210785	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	70
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	50
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	50
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	50





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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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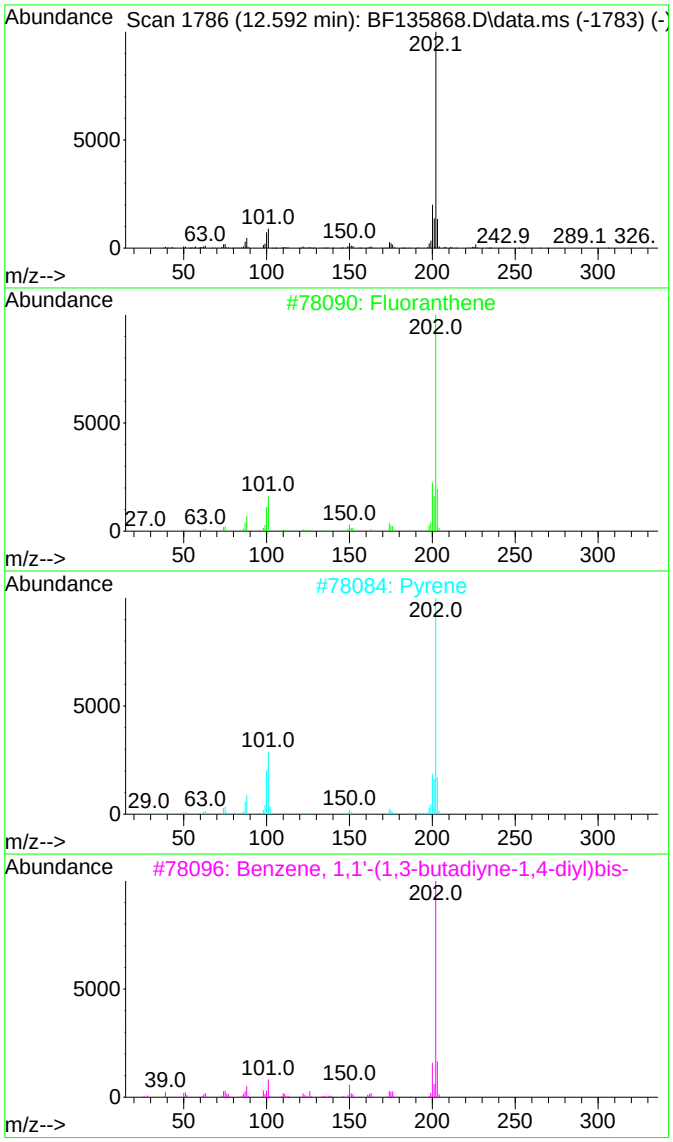
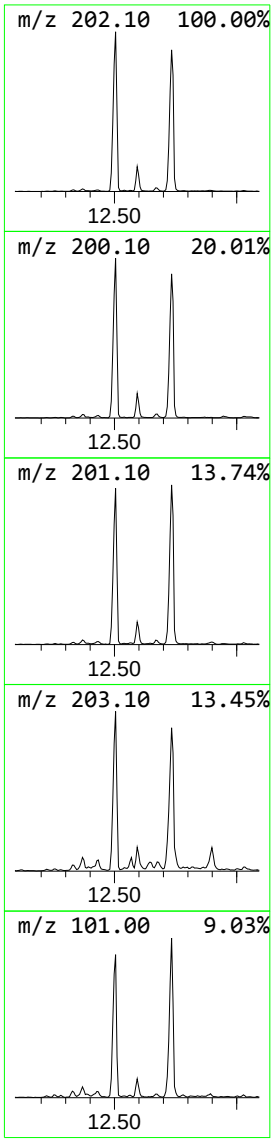
Peak Number 16 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	16.29 ng	403393	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	83
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	59
4	2,3-Dichlorobenzo[b]thiophene	202	C8H4Cl2S	1000298-87-9	40
5	4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135868.D
Acq On : 19 Oct 2023 01:59
Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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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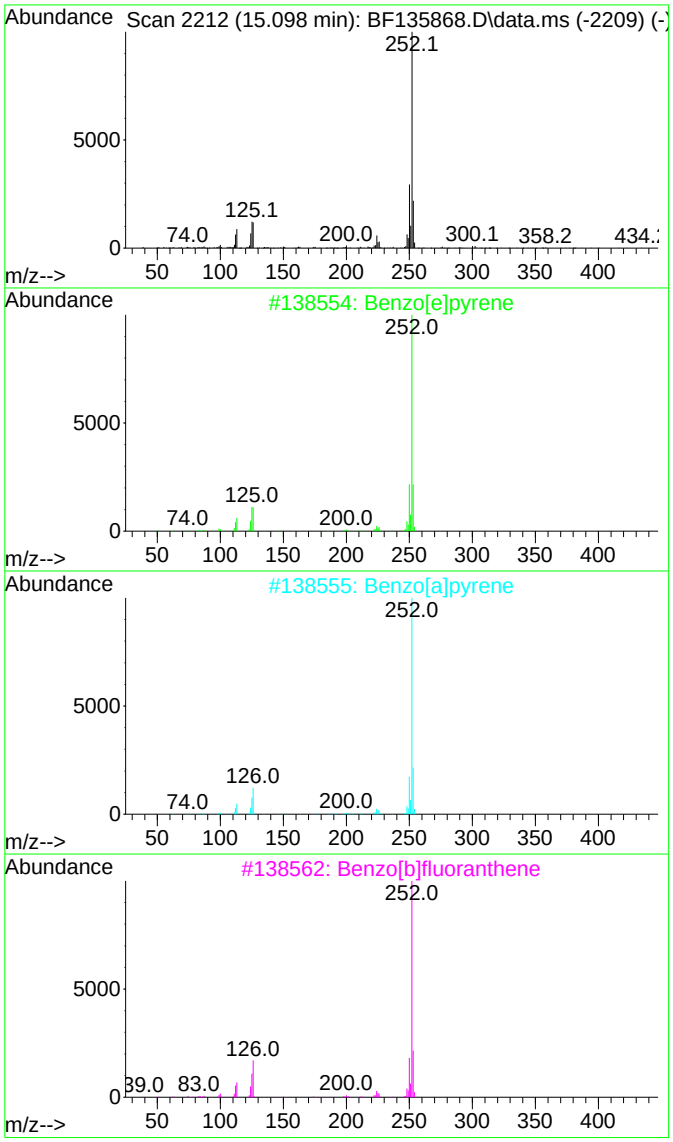
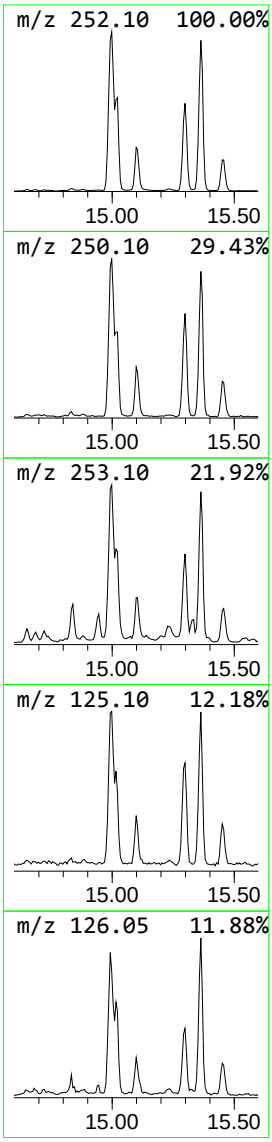
Peak Number 17 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.098	19.75 ng	355832	Perylene-d12	15.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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Data File : BF135868.D
Acq On : 19 Oct 2023 01:59
Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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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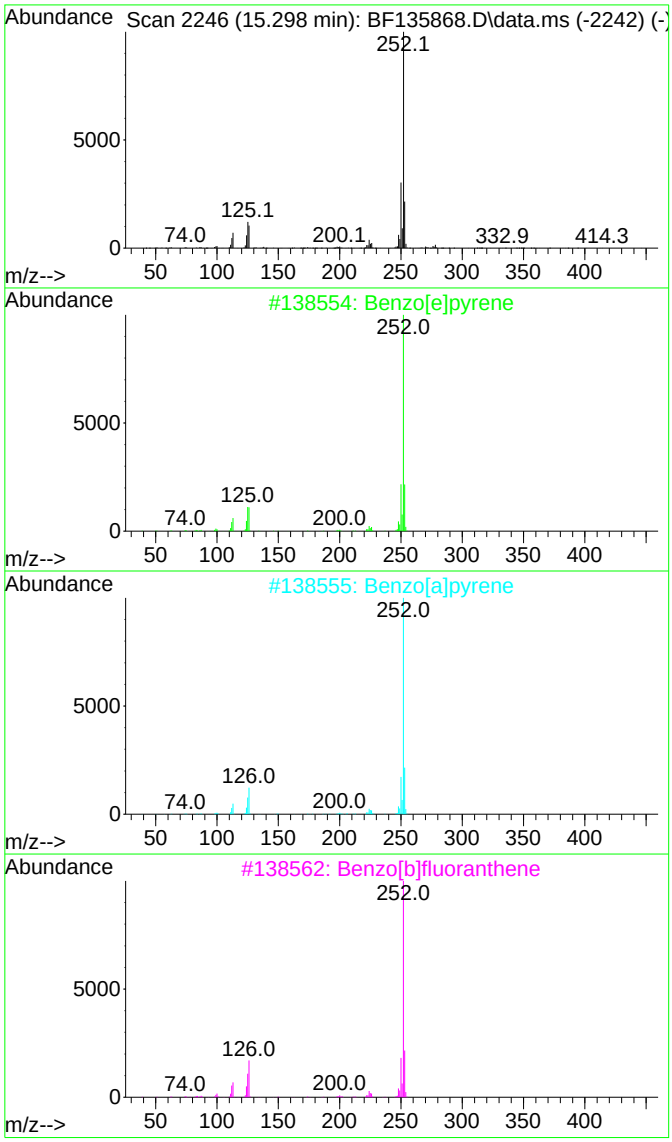
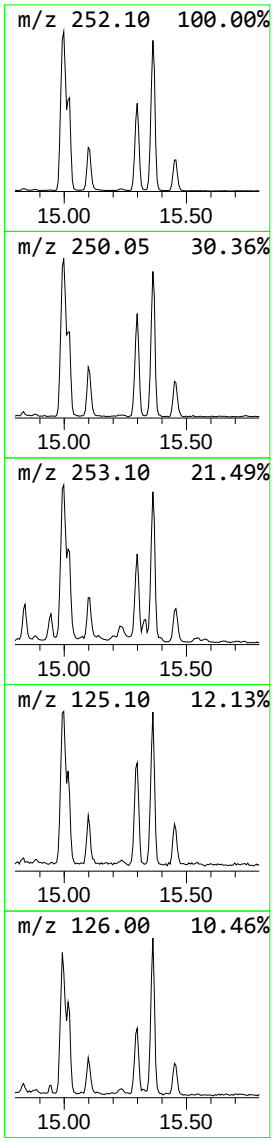
Peak Number 18 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	42.71 ng	769479	Perylene-d12	15.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135868.D
Acq On : 19 Oct 2023 01:59
Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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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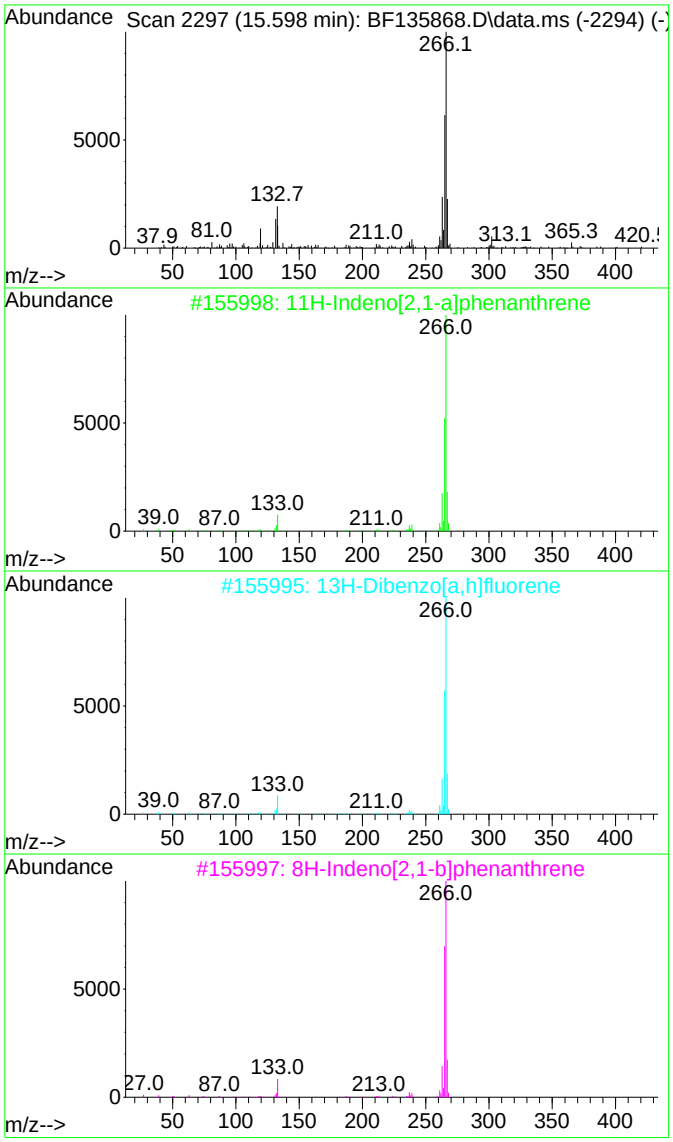
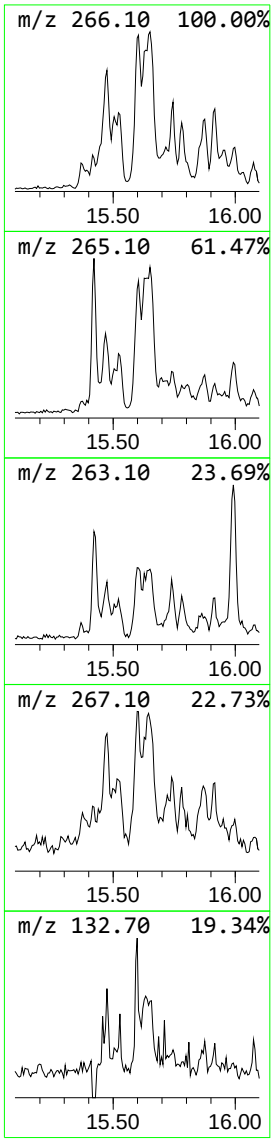
Peak Number 19 11H-Indeno[2,1-a]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.598	7.48 ng	134770	Perylene-d12	15.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	89
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	76
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	72
4	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	64
5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135868.D
Acq On : 19 Oct 2023 01:59
Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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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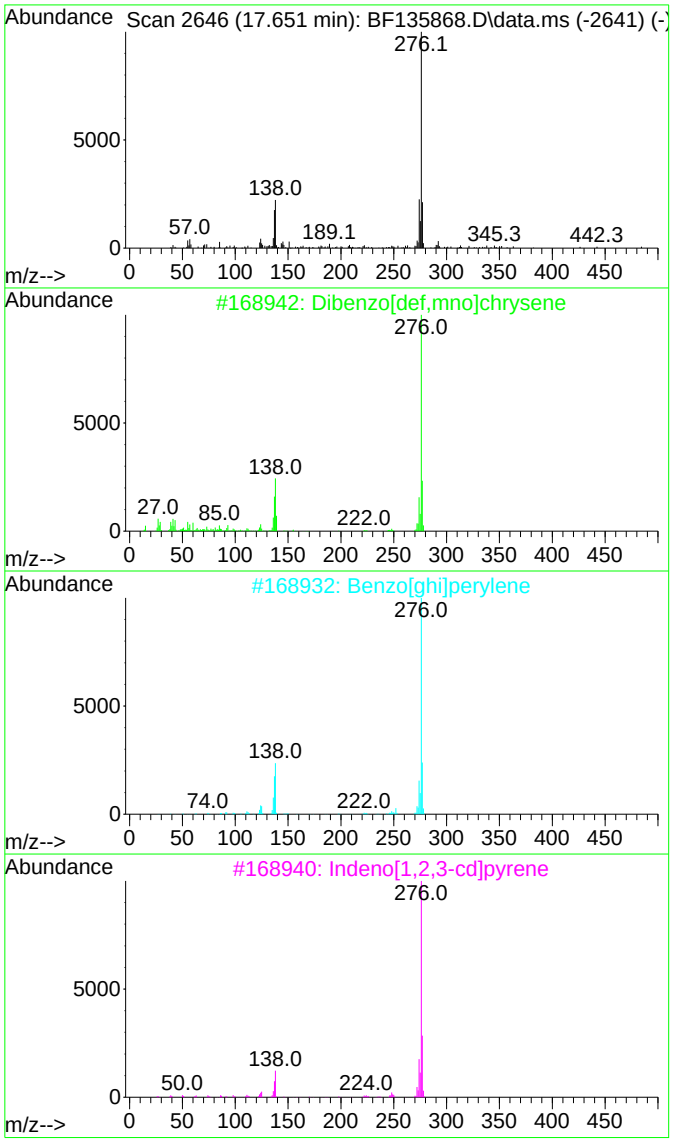
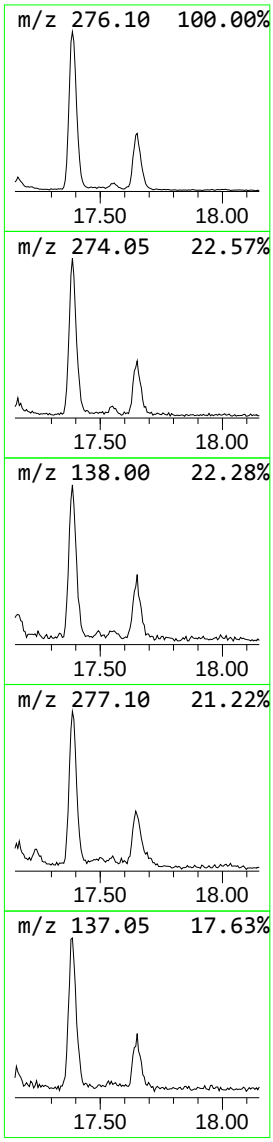
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.651	7.49 ng	134963	Perylene-d12	15.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	87
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	83
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	45
5	Dithiocarbonic acid, S-methyl es...	383	C20H33NO2S2	1010202-13-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135868.D
Acq On : 19 Oct 2023 01:59
Operator : CG\JU
Sample : 04767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)

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
2,4,7,9-Tetrame...	9.216	41.6	ng	1394860	3	9.775	670744	20.0
Naphthalene, 2,...	9.363	8.5	ng	285370	3	9.775	670744	20.0
Naphthalene, 2,...	9.434	9.3	ng	311929	3	9.775	670744	20.0
9H-Fluorene, 1-...	10.881	13.7	ng	339849	4	11.275	495348	20.0
Dibenzothiophene	11.163	17.1	ng	424107	4	11.275	495348	20.0
1-Methyldibenzo...	11.604	8.0	ng	198266	4	11.275	495348	20.0
Phenanthrene, 2...	11.775	22.5	ng	558251	4	11.275	495348	20.0
Phenanthrene, 1...	11.804	30.4	ng	752427	4	11.275	495348	20.0
Anthracene, 9-m...	11.857	12.9	ng	319894	4	11.275	495348	20.0
4H-Cyclopenta[d...	11.893	50.2	ng	1244140	4	11.275	495348	20.0
Anthracene, 2-m...	11.910	14.6	ng	360558	4	11.275	495348	20.0
5,16[1',2']:8,1...	12.075	12.8	ng	316054	4	11.275	495348	20.0
9,10-Dimethylan...	12.328	16.2	ng	402225	4	11.275	495348	20.0
unknown12.369	12.369	18.2	ng	450158	4	11.275	495348	20.0
5H-Dibenzo[a,d]...	12.428	8.5	ng	210785	4	11.275	495348	20.0
Benzene, 1,1'-(...	12.592	16.3	ng	403393	4	11.275	495348	20.0
Benzo[e]pyrene	15.098	19.8	ng	355832	6	15.422	360345	20.0
Perylene	15.298	42.7	ng	769479	6	15.422	360345	20.0
11H-Indeno[2,1-...	15.598	7.5	ng	134770	6	15.422	360345	20.0
Dibenzo[def,mno...	17.651	7.5	ng	134963	6	15.422	360345	20.0