LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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: BF135867.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	486	490	509	rBV	89529	148033	4.87%	0.298%
2	5.375	556	559	585	rBV	1590347	1886373	62.10%	3.792%
3	6.393	729	732	757	rBV	1879357	1903363	62.66%	3.826%
4	6.734	787	790	797	rBV	668388	591559	19.47%	1.189%
5	7.304	884	887	904	rBV	1305051	1228568	40.44%	2.470%
6	8.016	1005	1008	1010	rBV	937128	733794	24.16%	1.475%
7	8.039	1010	1012	1016	rVV	332884	291831	9.61%	0.587%
8	8.734	1127	1130	1136	rBV	131550	147281	4.85%	0.296%
9	8.828	1141	1146	1151	rVV2	308429	317313	10.45%	0.638%
10	9.034	1178	1181	1186	rBV2	188000	160873	5.30%	0.323%
11	9.092	1188	1191	1195	rBV	2130675	1871837	61.62%	3.763%
12	9.216	1207	1212	1219	rVV	864308	873333	28.75%	1.756%
13	9.292	1222	1225	1230	rVB	96109	127983	4.21%	0.257%
14	9.357	1233	1236	1240	rBV2	269129	334946	11.03%	0.673%
15	9.434	1245	1249	1252	rBV	344051	387448	12.75%	0.779%
16	9.463	1252	1254	1257	rVV2	117078	145859	4.80%	0.293%
17	9.492	1257	1259	1266	rVB2	187829	174975	5.76%	0.352%
18	9.551	1266	1269	1275	rBV	234666	275801	9.08%	0.554%
19	9.633	1280	1283	1287	rVB	539254	478677	15.76%	0.962%
20	9.775	1299	1307	1310	rBV	972403	875219	28.81%	1.759%
21	9.804	1310	1312	1316	rVV2	310810	288292	9.49%	0.580%
22	9.881	1321	1325	1329	rVV3	102170	141594	4.66%	0.285%
23	9.981	1335	1342	1346	rVV2	489539	545444	17.96%	1.096%
24	10.022	1346	1349	1352	rVV2	135401	143586	4.73%	0.289%
25	10.092	1357	1361	1364	rBV	165211	172771	5.69%	0.347%
26	10.181	1372	1376	1378	rVV3	101127	139429	4.59%	0.280%
27	10.328	1397	1401	1407	rVB2	258569	332707	10.95%	0.669%
28	10.392	1407	1412	1413	rBV3	81497	106475	3.51%	0.214%
29	10.422	1413	1417	1422	rVV4	95566	224757	7.40%	0.452%
30	10.481	1424	1427	1431	rVB	178555	186601	6.14%	0.375%
31	10.575	1439	1443	1446	rVB	1077398	1062714	34.98%	2.136%
32	10.692	1458	1463	1465	rBV	160982	170734	5.62%	0.343%
33	10.875	1490	1494	1497	rBV2	238250	307843	10.13%	0.619%
34	10.904	1497	1499	1502	rVV	170095	138628	4.56%	0.279%
35	10.957	1506	1508	1511	rVB	142074	112989	3.72%	0.227%
36	11.004	1511	1516	1518	rBV2	89469	108049	3.56%	0.217%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
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Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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	11.028	1518	1520	1526	rVV2	85583	106340	3.50%	0.214%
38	11.122	1533	1536	1539	rVV3	102923	141649	4.66%	0.285%
39	11.163	1539	1543	1549	rVB2	412862	477842	15.73%	0.961%
40	11.269	1558	1561	1563	rBV	685799	670680	22.08%	1.348%
41	11.298	1563	1566	1569	rVV	2640647	2462485	81.07%	4.950%
42	11.351	1571	1575	1578	rVV	1102664	976175	32.14%	1.962%
43	11.386	1578	1581	1583	rVV2	88240	131064	4.31%	0.263%
44	11.516	1599	1603	1608	rVV2	201188	243174	8.01%	0.489%
45	11.563	1608	1611	1613	rVV2	148624	124511	4.10%	0.250%
46	11.604	1613	1618	1623	rVB2	182179	198003	6.52%	0.398%
47	11.686	1629	1632	1636	rVB	106117	133118	4.38%	0.268%
48	11.775	1644	1647	1650	rVV	555453	535957	17.64%	1.077%
49	11.804	1650	1652	1657	rVV	819463	718893	23.67%	1.445%
50	11.857	1658	1661	1663	rVV	279910	254403	8.38%	0.511%
51	11.892	1663	1667	1669	rVV2	986447	1100396	36.23%	2.212%
52	11.910	1669	1670	1673	rVV	396565	276093	9.09%	0.555%
53	12.075	1695	1698	1702	rBV	325107	278016	9.15%	0.559%
54	12.257	1726	1729	1731	rVV2	133885	112330	3.70%	0.226%
55	12.333	1738	1742	1744	rBV	326194	363632	11.97%	0.731%
56	12.369	1744	1748	1750	rVV3	280031	350657	11.54%	0.705%
57	12.427	1754	1758	1761	rBV2	126364	185122	6.09%	0.372%
58	12.504	1766	1771	1773	rBV	2556392	2624172	86.39%	5.275%
59	12.539	1773	1777	1779	rVV2	85775	122085	4.02%	0.245%
60	12.592	1784	1786	1792	rVV	310507	289333	9.52%	0.582%
61	12.645	1792	1795	1798	rVV2	194198	205108	6.75%	0.412%
62	12.733	1803	1810	1815	rVV2	2661370	3037632	100.00%	6.106%
63	12.780	1815	1818	1822	rVB2	173340	193136	6.36%	0.388%
64	12.869	1827	1833	1836	rBV2	1412930	1445283	47.58%	2.905%
65	12.945	1842	1846	1851	rBV3	250843	437573	14.41%	0.880%
66	12.998	1852	1855	1858	rVV2	87645	109697	3.61%	0.221%
67	13.033	1858	1861	1863	rVV2	238001	310782	10.23%	0.625%
68	13.063	1863	1866	1869	rVV	684586	655298	21.57%	1.317%
69	13.127	1874	1877	1879	rVV2	690753	616882	20.31%	1.240%
70	13.163	1879	1883	1887	rVV2	437039	535652	17.63%	1.077%
71	13.257	1896	1899	1902	rVV	286813	283757	9.34%	0.570%
72	13.286	1902	1904	1913	rVB2	301518	389751	12.83%	0.783%
73	13.439	1927	1930	1932	rBV2	85070	105421	3.47%	0.212%
74	13.463	1932	1934	1936	rVV2	112845	120001	3.95%	0.241%
75	13.486	1936	1938	1944	rVV3	118174	170952	5.63%	0.344%
76	13.545	1945	1948	1951	rVV	117493	163091	5.37%	0.328%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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	13.580	1952	1954	1957	rVB2	105458	110878	3.65%	0.223%
78	13.686	1967	1972	1974	rBV	274561	318638	10.49%	0.641%
79	13.710	1974	1976	1978	rVB	261532	194173	6.39%	0.390%
80	13.739	1978	1981	1983	rBV	185235	176786	5.82%	0.355%
81	13.857	1999	2001	2007	rVB	127129	158967	5.23%	0.320%
82	13.933	2009	2014	2018	rVV2	1574511	2372660	78.11%	4.770%
83	13.969	2018	2020	2023	rVV	1337420	1093308	35.99%	2.198%
84	14.045	2031	2033	2036	rVB	151649	114553	3.77%	0.230%
85	14.104	2040	2043	2048	rVB3	155977	172714	5.69%	0.347%
86	14.333	2077	2082	2085	rVV	380034	508727	16.75%	1.023%
87	14.363	2085	2087	2090	rVB	196567	168701	5.55%	0.339%
88	14.410	2091	2095	2096	rVV3	127812	169865	5.59%	0.341%
89	14.427	2096	2098	2101	rVV	181027	191066	6.29%	0.384%
90	14.457	2101	2103	2105	rVV	218887	201515	6.63%	0.405%
91	14.474	2105	2106	2110	rVB	222283	168527	5.55%	0.339%
92	14.833	2164	2167	2170	rBV2	82391	99328	3.27%	0.200%
93	14.992	2190	2194	2197	rBV	873891	1319365	43.43%	2.652%
94	15.098	2209	2212	2219	rVB	237320	271787	8.95%	0.546%
95	15.292	2241	2245	2250	rVB	482046	577934	19.03%	1.162%
96	15.363	2252	2257	2263	rBV	731352	947737	31.20%	1.905%
97	15.421	2263	2267	2270	rVV	410252	484867	15.96%	0.975%
98	15.451	2270	2272	2279	rVB2	198326	300399	9.89%	0.604%
99	16.927	2518	2523	2532	rVB	242138	511597	16.84%	1.028%
100	17.386	2596	2601	2610	rVB	149357	318063	10.47%	0.639%

Sum of corrected areas: 49745980

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
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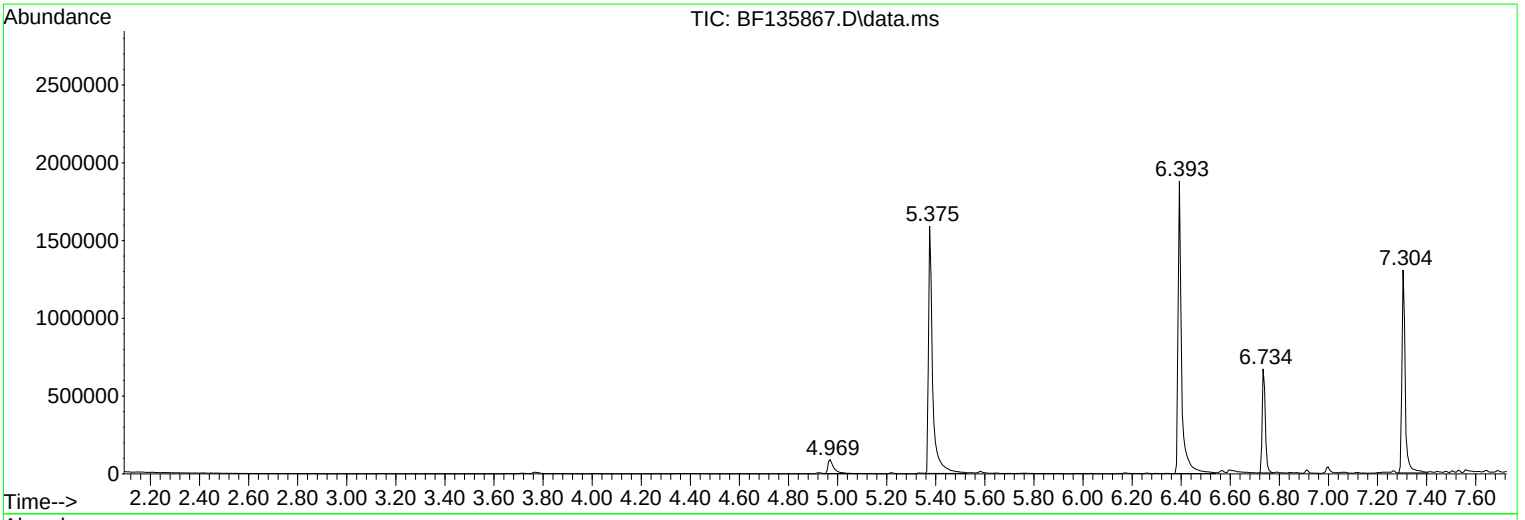
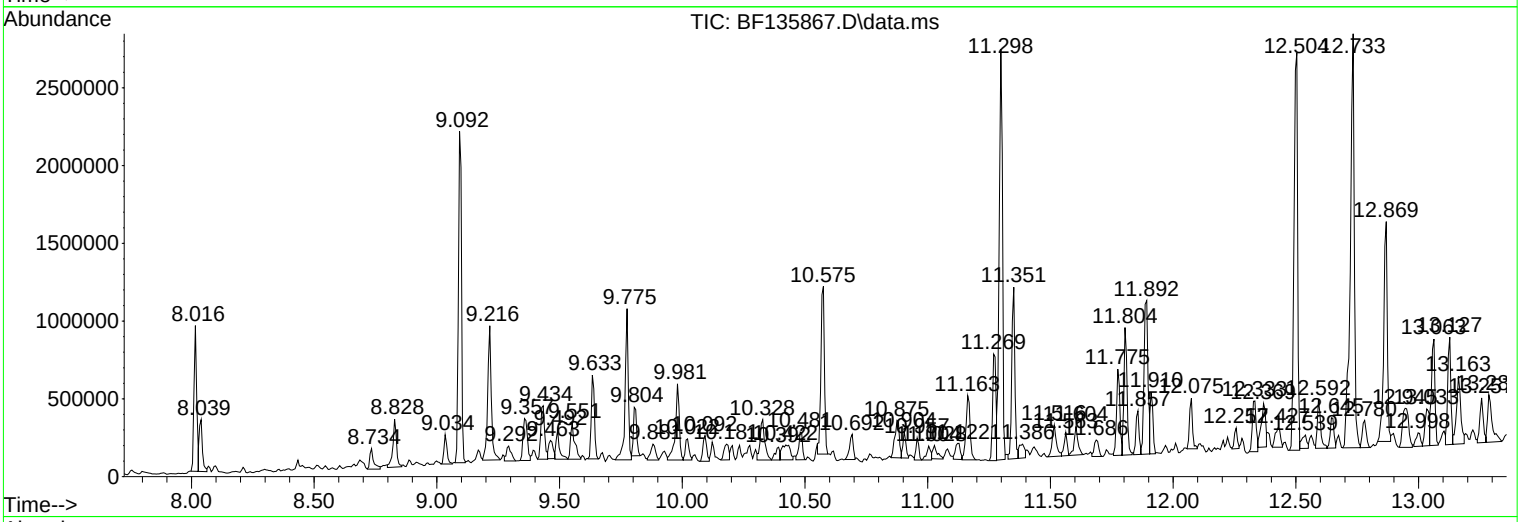
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

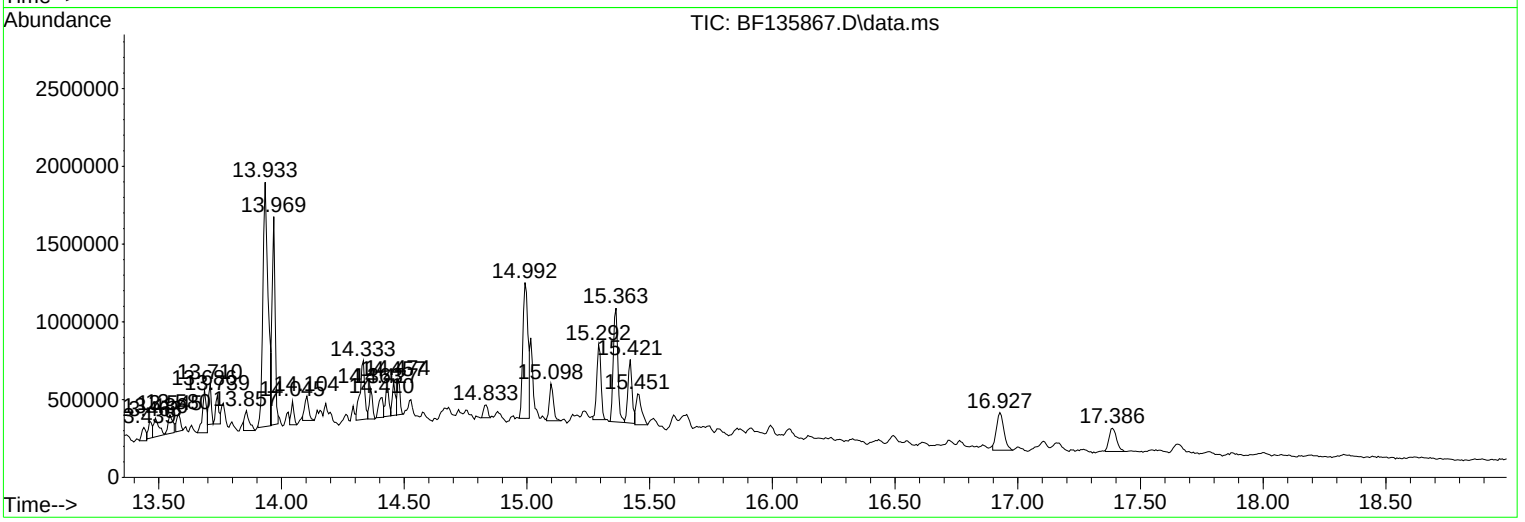
Instrument :
BNA_F
ClientSampleId :
E-1(0-5)

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\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
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Sample : 04767-02
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(0-5)

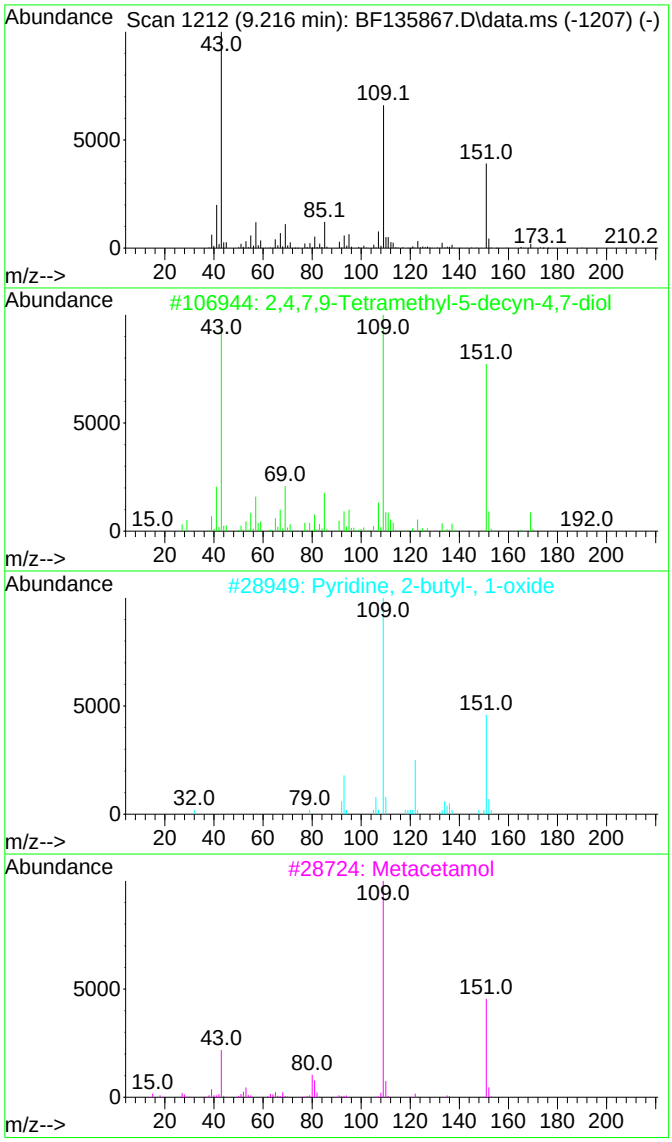
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

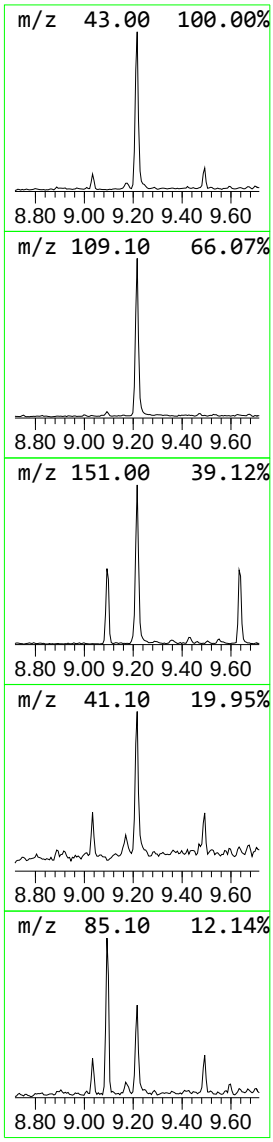
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.216	19.96 ng	873333	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	59
3	Metacetamol	151	C8H9NO2	000621-42-1	53
4	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	42
5	2-Thiophenecarbonitrile	109	C5H3NS	001003-31-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(0-5)

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

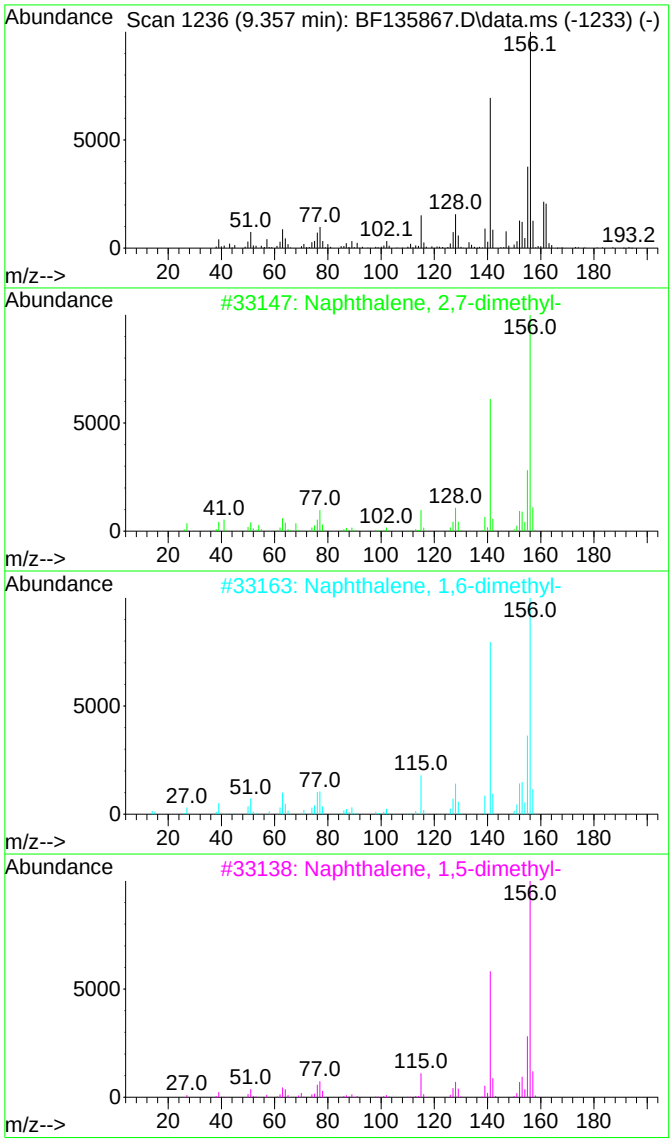
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

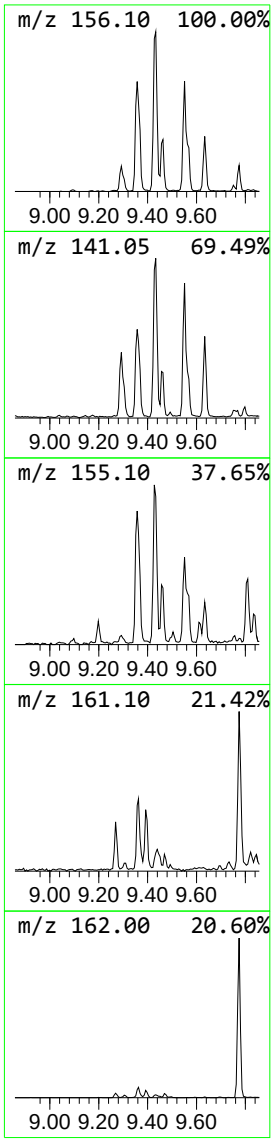
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.357	7.65 ng	334946	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, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(0-5)

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

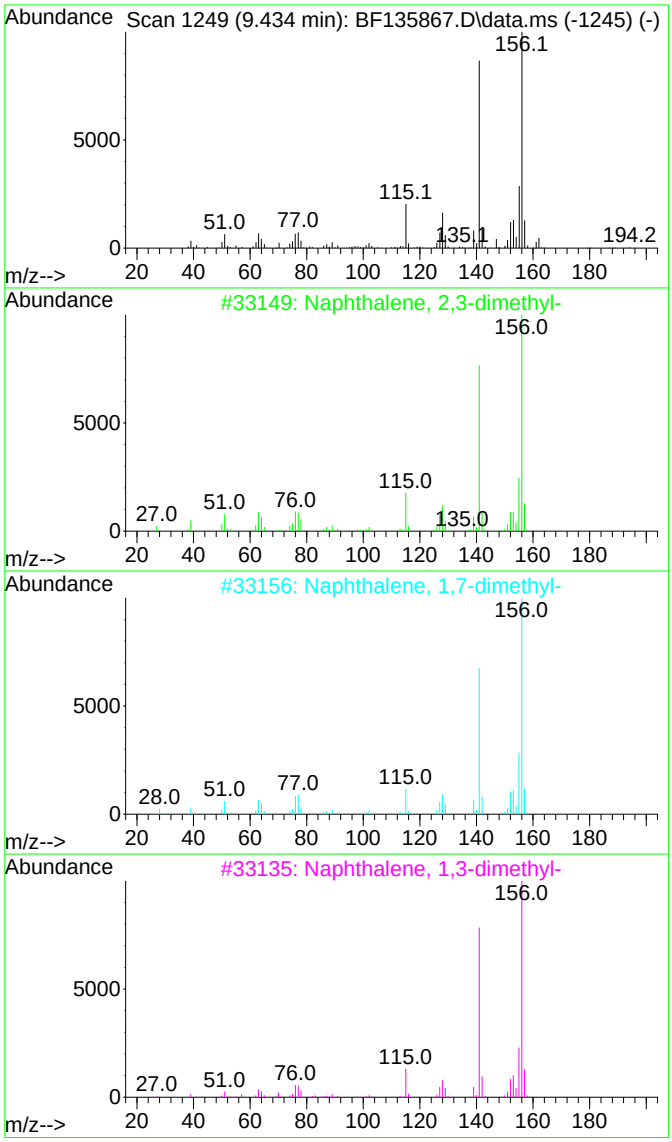
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

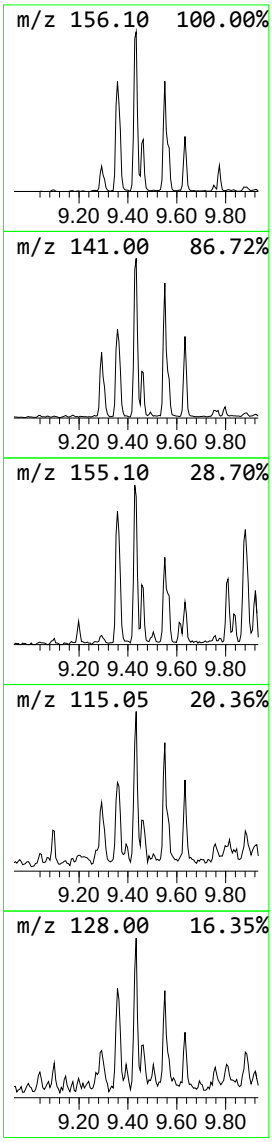
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.434	8.85 ng	387448	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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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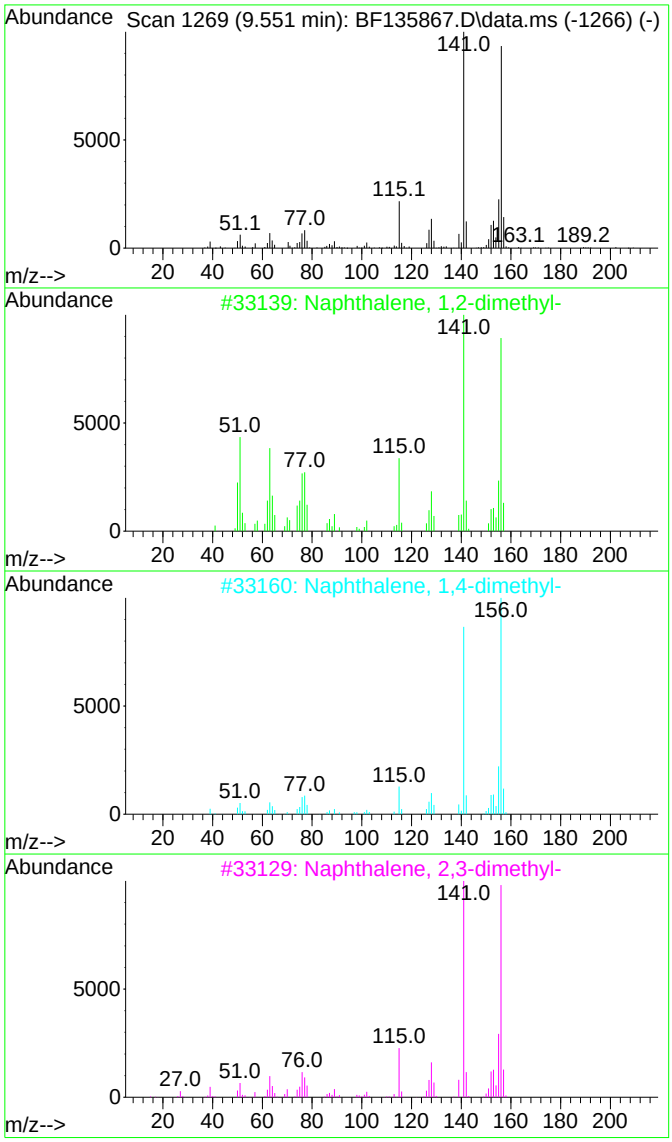
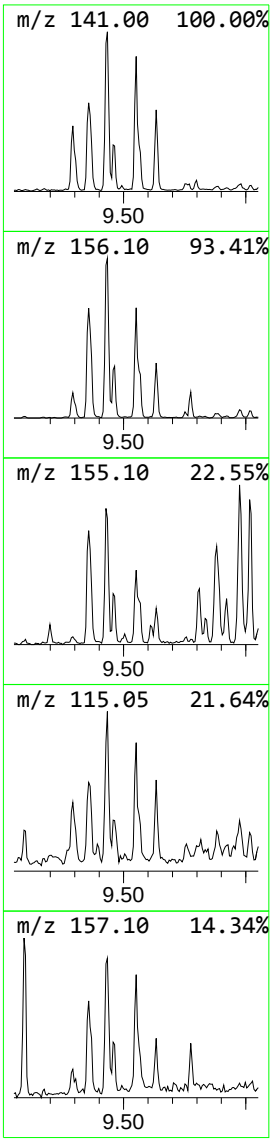
Peak Number 4 Naphthalene, 1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.551	6.30 ng	275801	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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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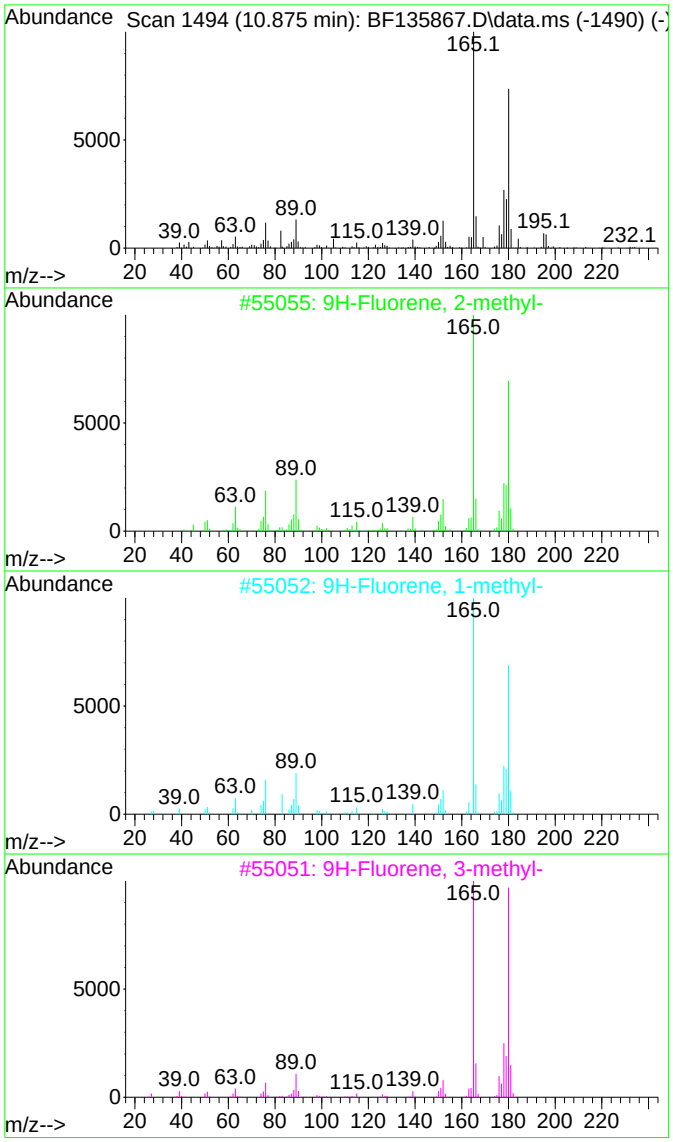
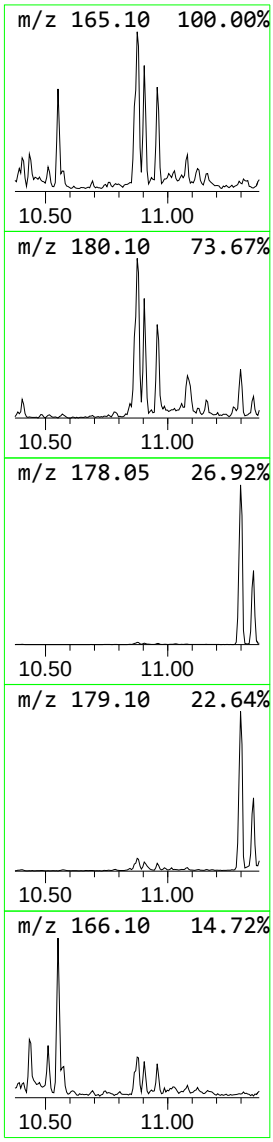
Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.875	9.18 ng	307843	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	55





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Sample : 04767-02
Misc :
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ClientSampleId :
E-1(0-5)

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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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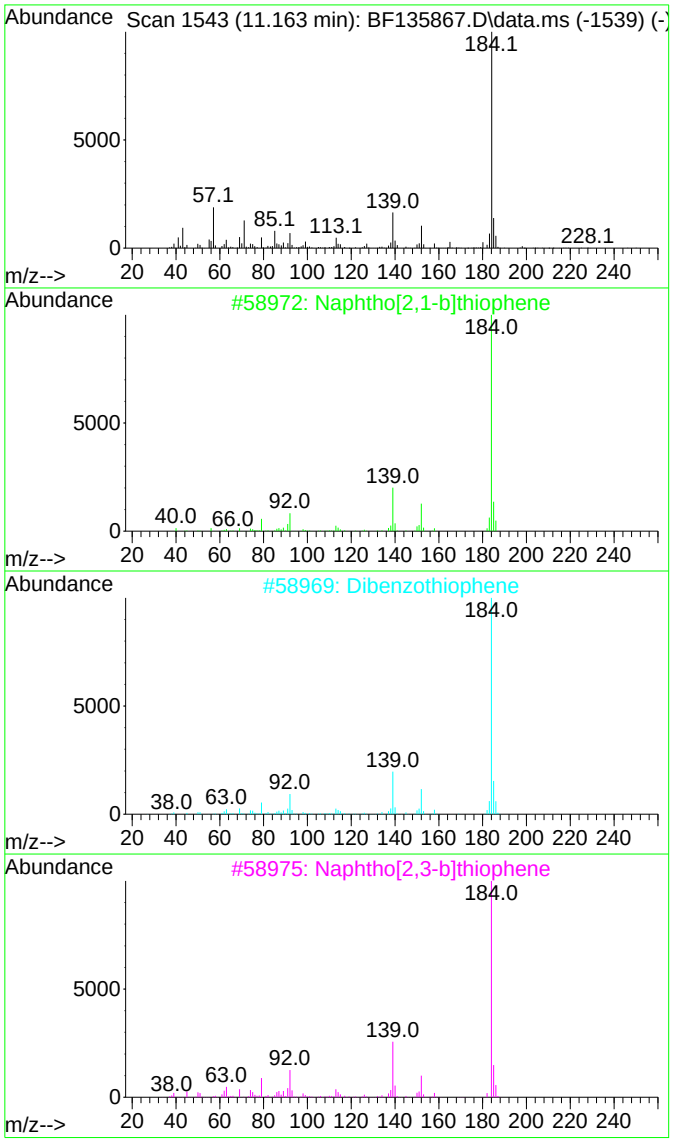
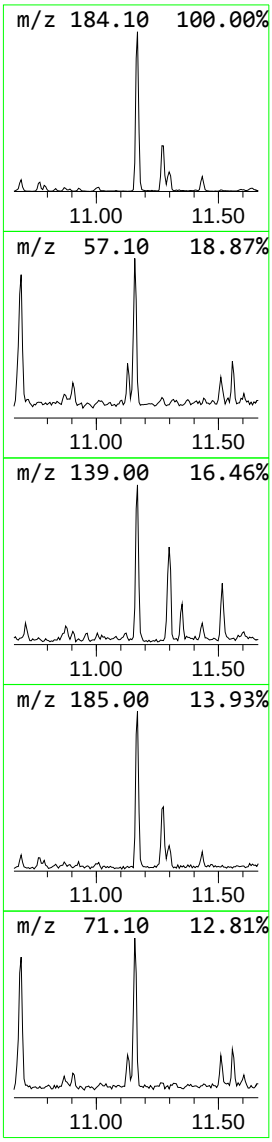
Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	14.25 ng	477842	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
E-1(0-5)

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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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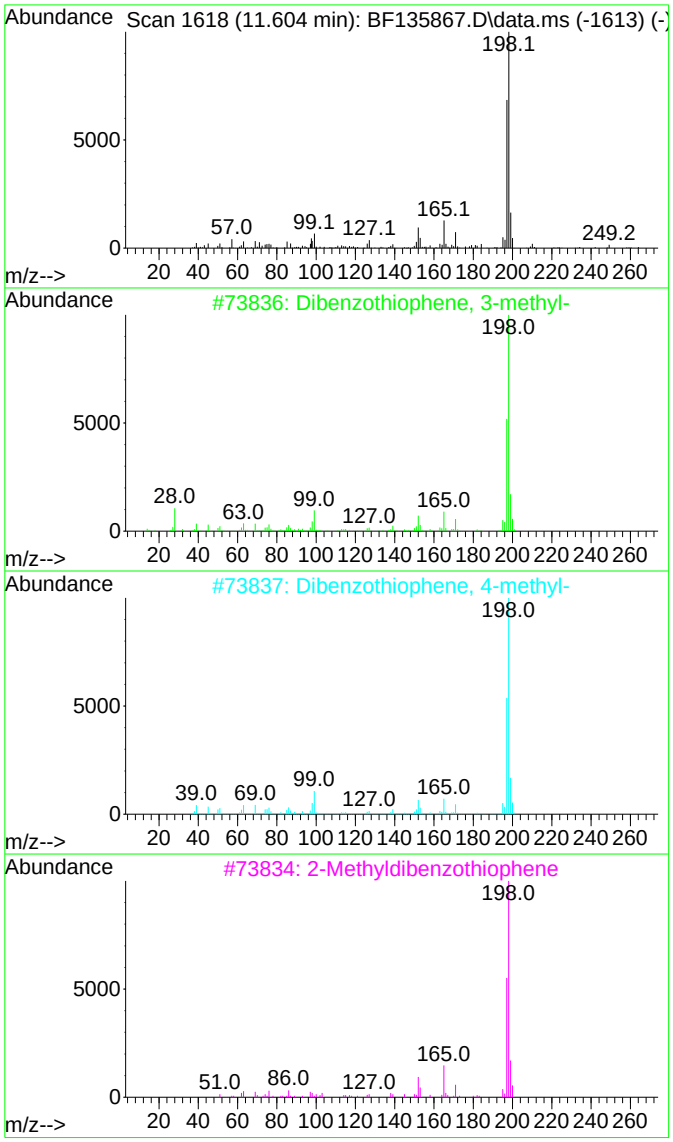
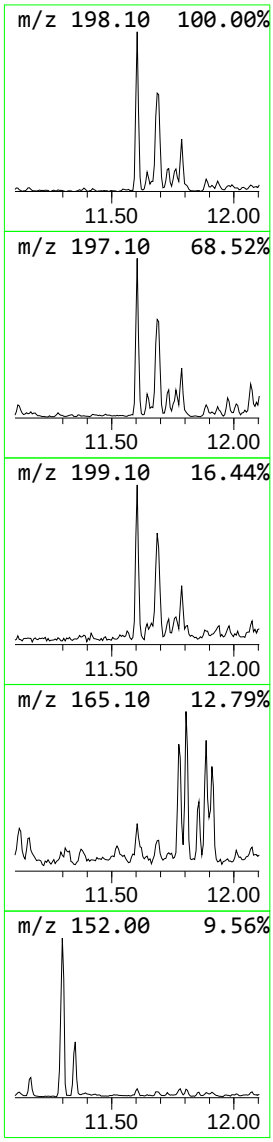
Peak Number 7 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.604	5.90 ng	198003	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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ClientSampleId :
E-1(0-5)

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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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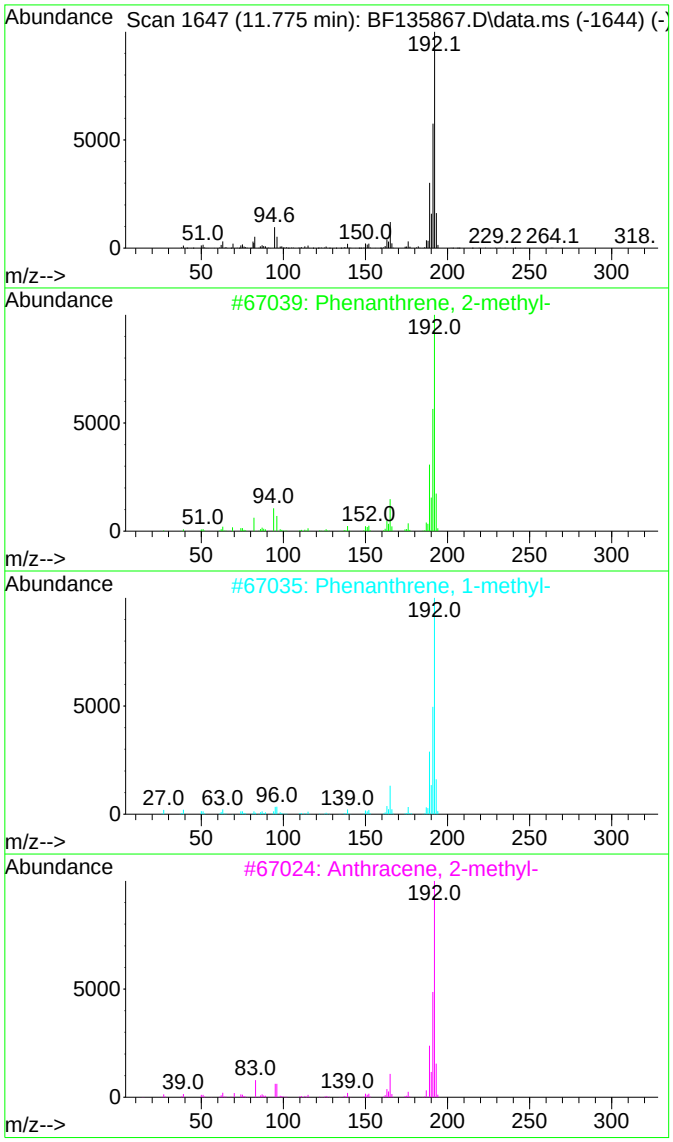
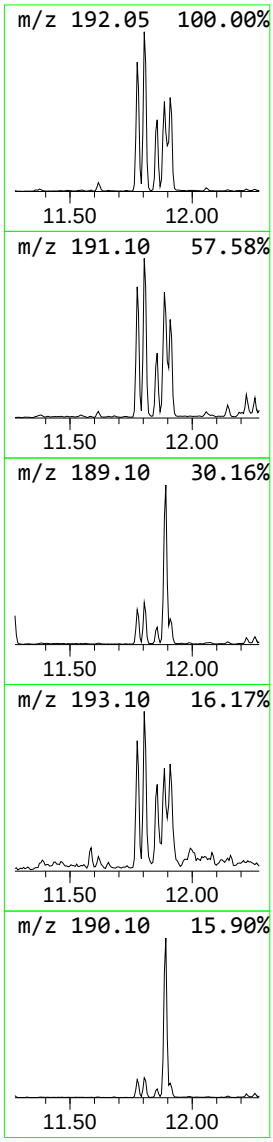
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	15.98 ng	535957	Phenanthrene-d10	11.269

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-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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ClientSampleId :
E-1(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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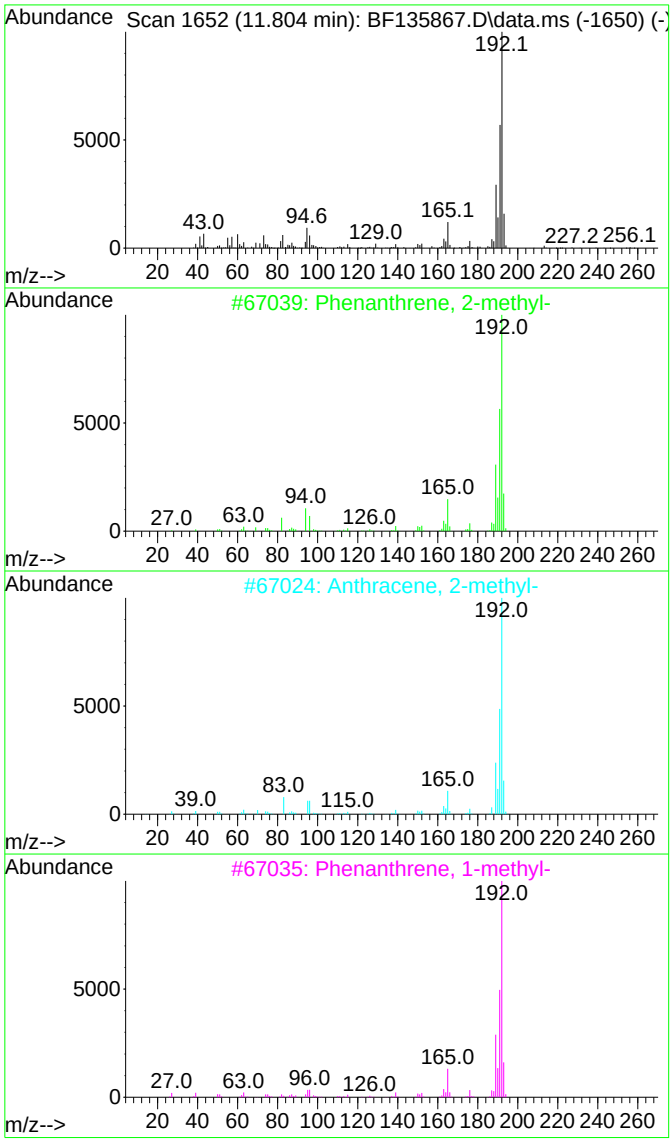
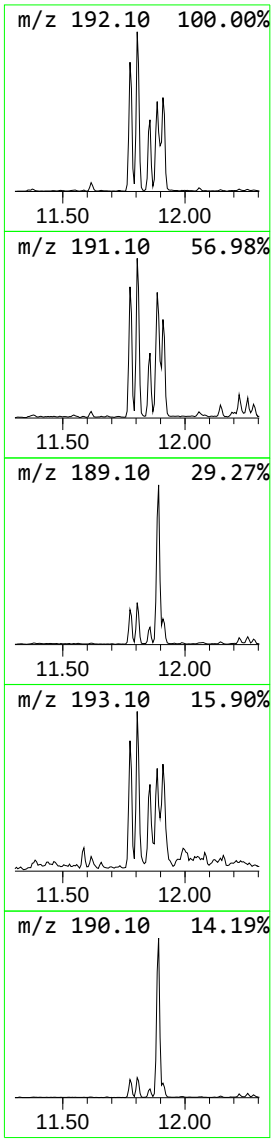
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	21.44 ng	718893	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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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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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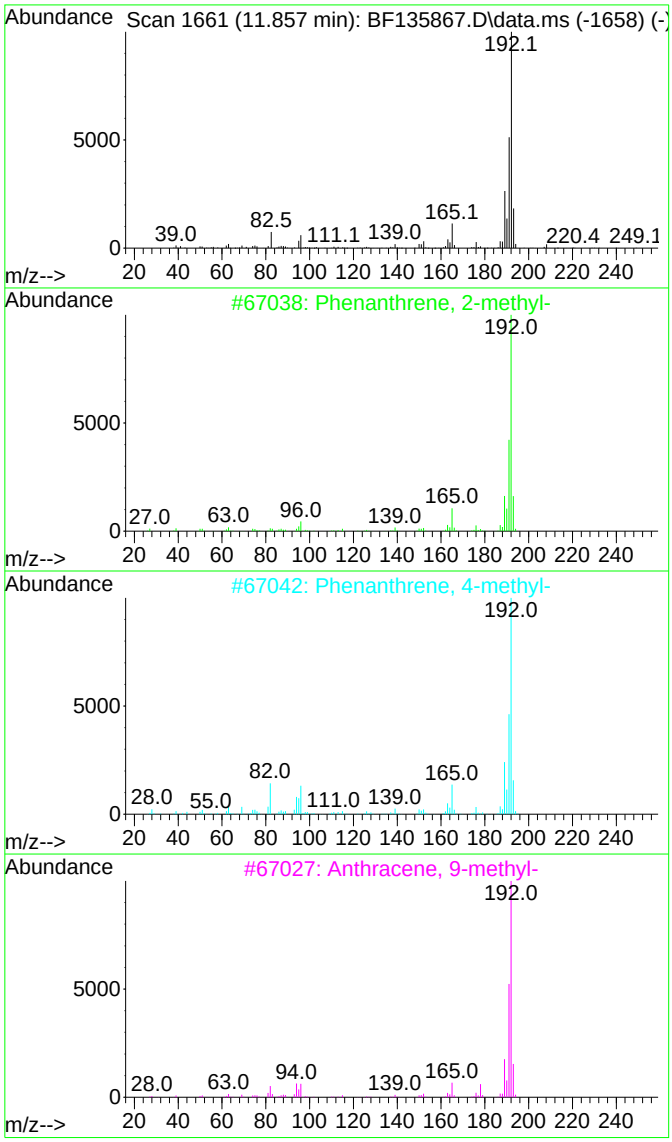
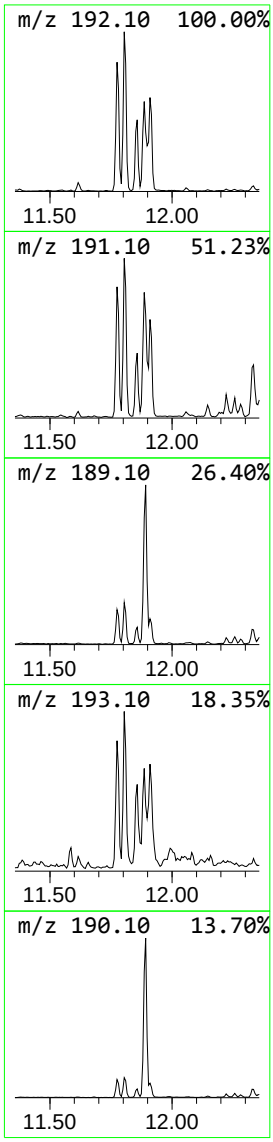
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	7.59 ng	254403	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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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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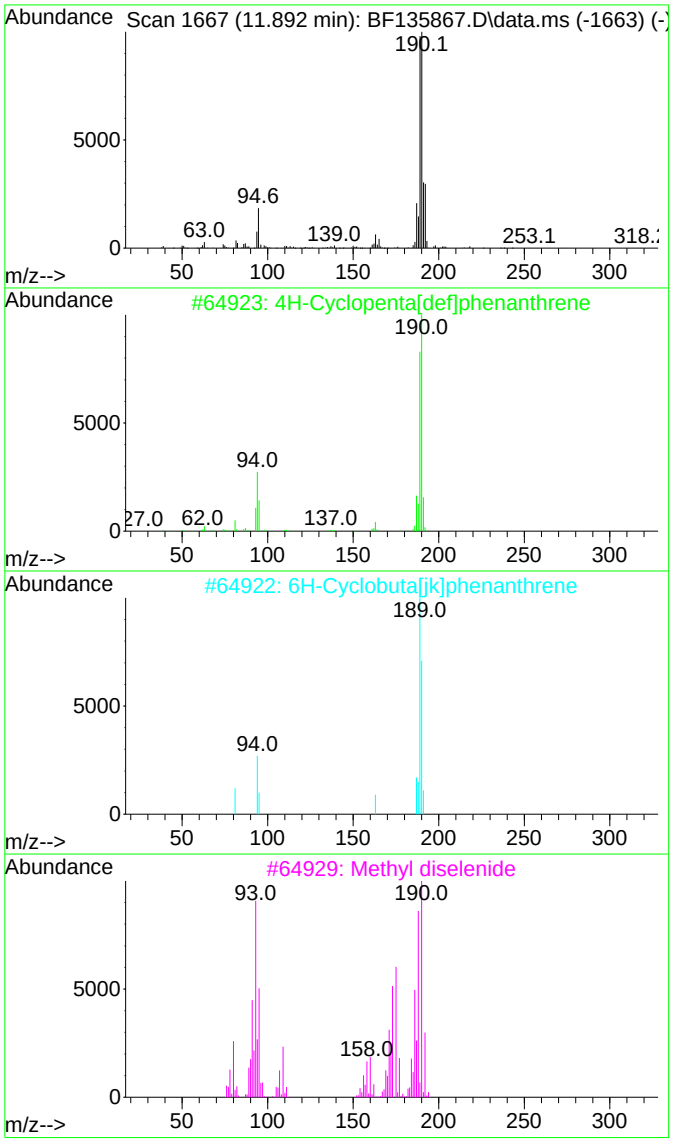
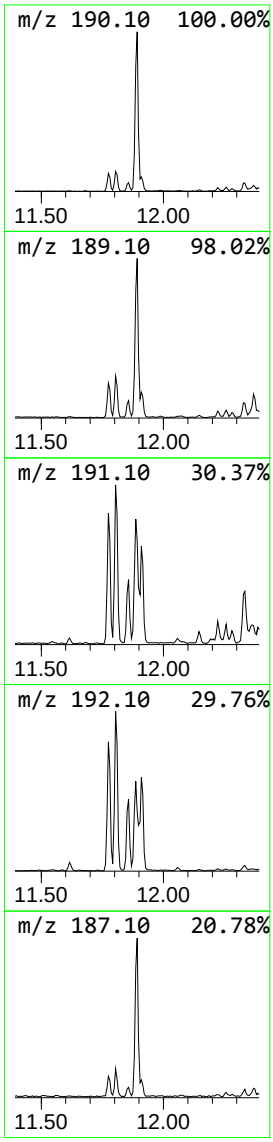
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	32.81 ng	1100400	Phenanthrene-d10	11.269

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	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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

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

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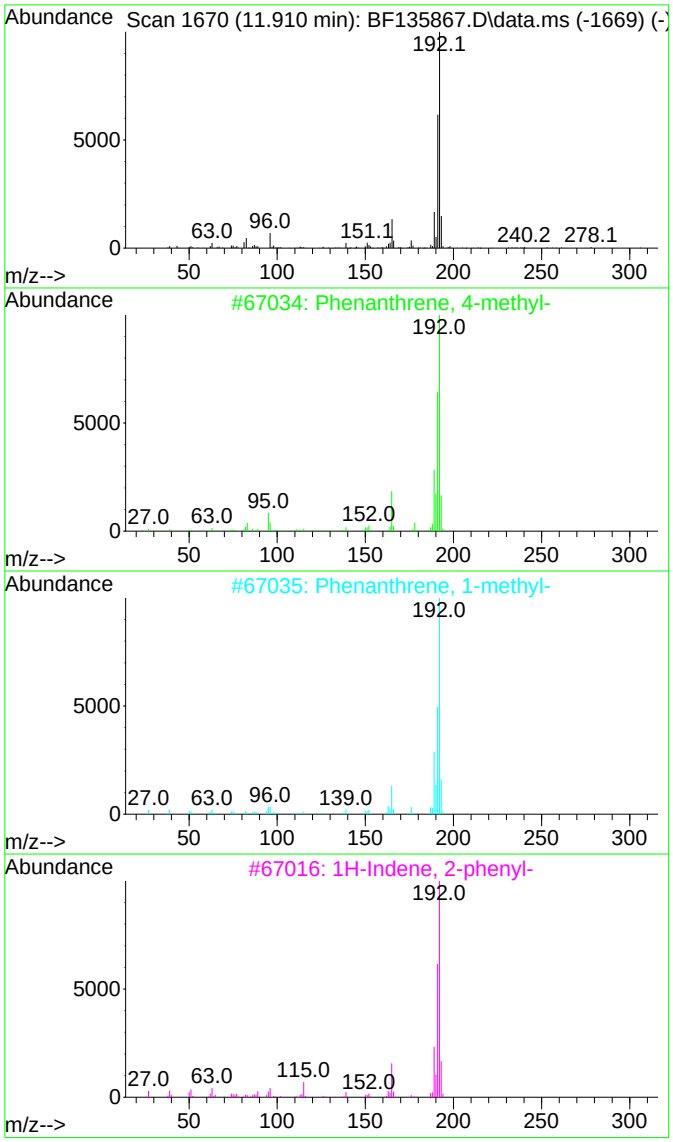
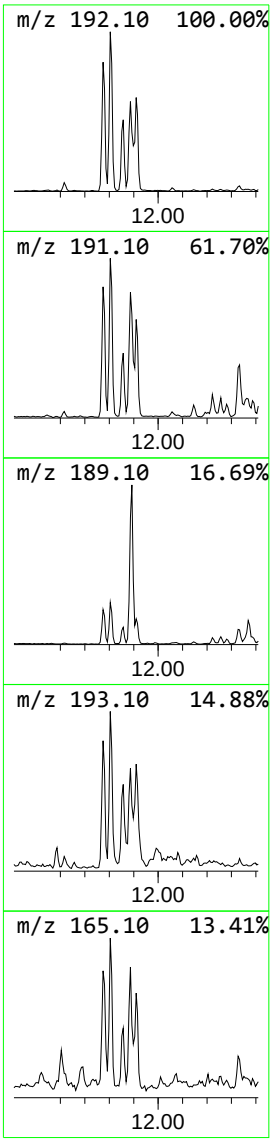
Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	8.23 ng	276093	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	80





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

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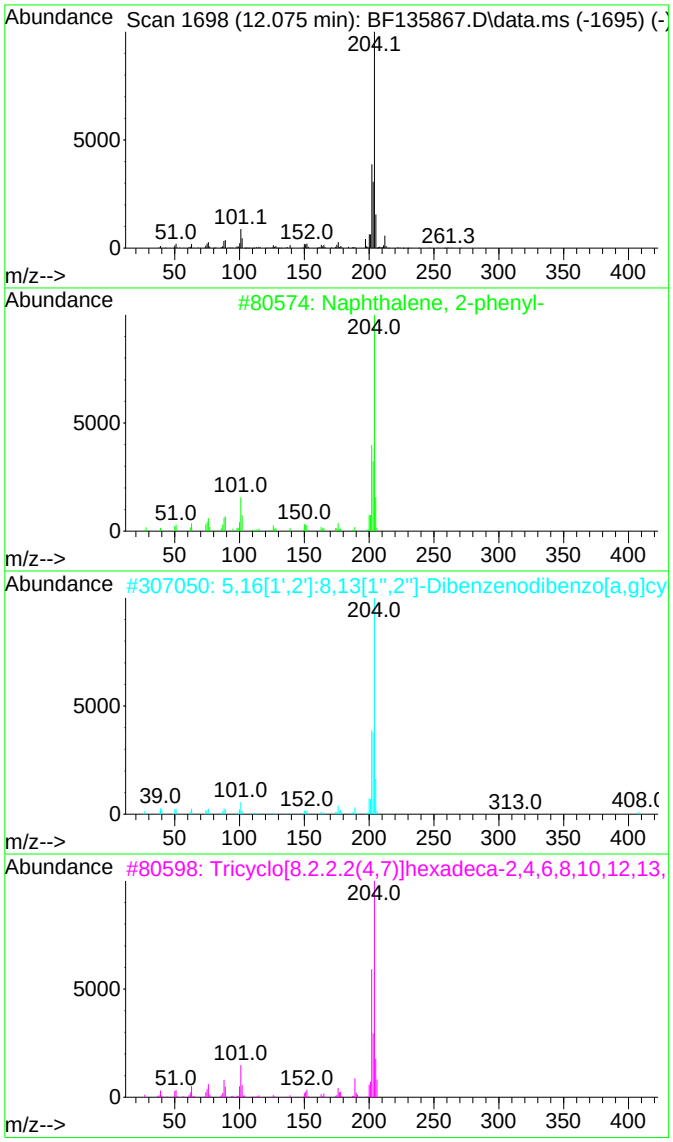
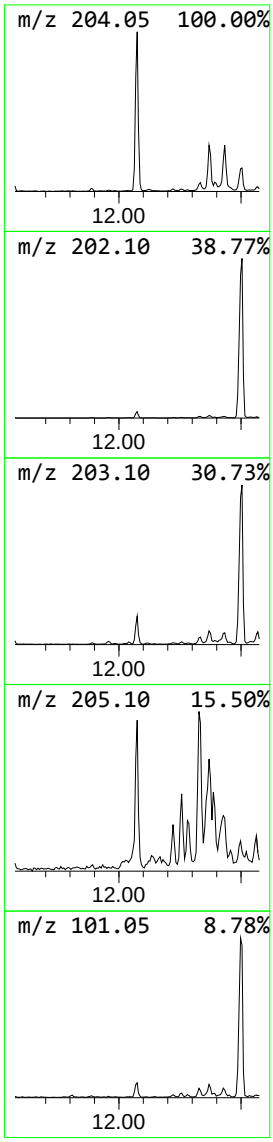
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.075	8.29 ng	278016	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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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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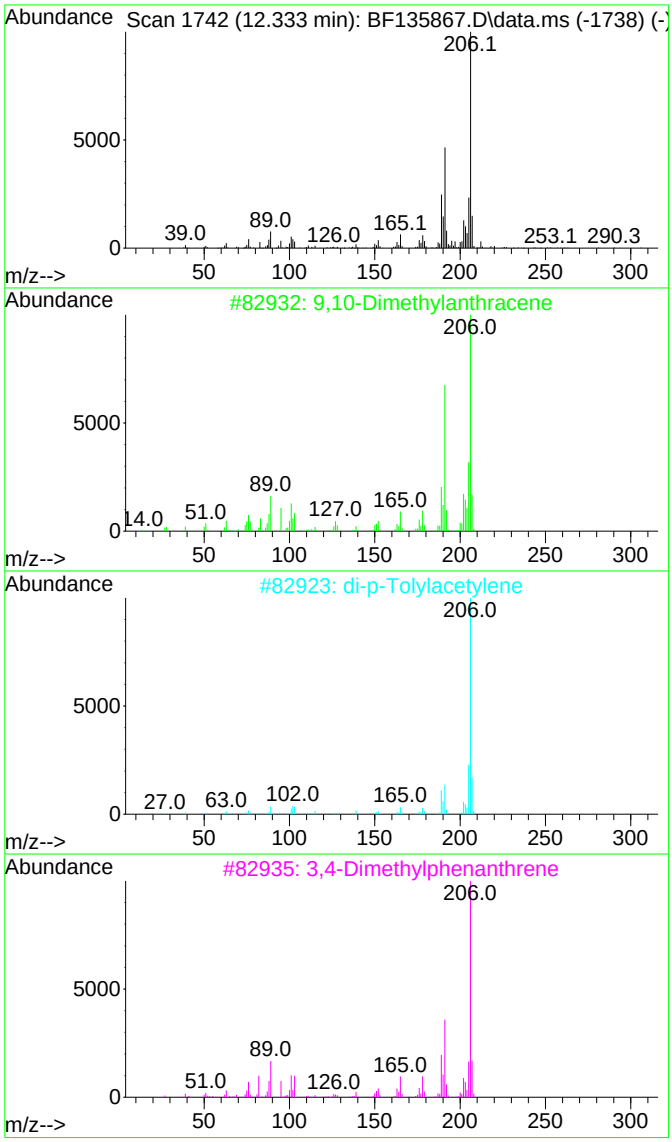
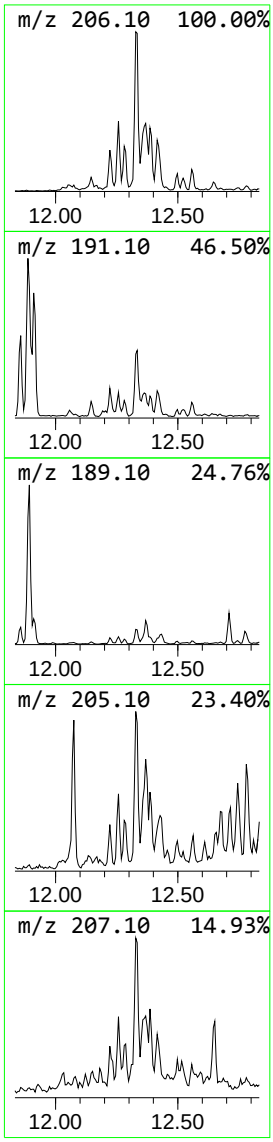
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	10.84 ng	363632	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	86
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81





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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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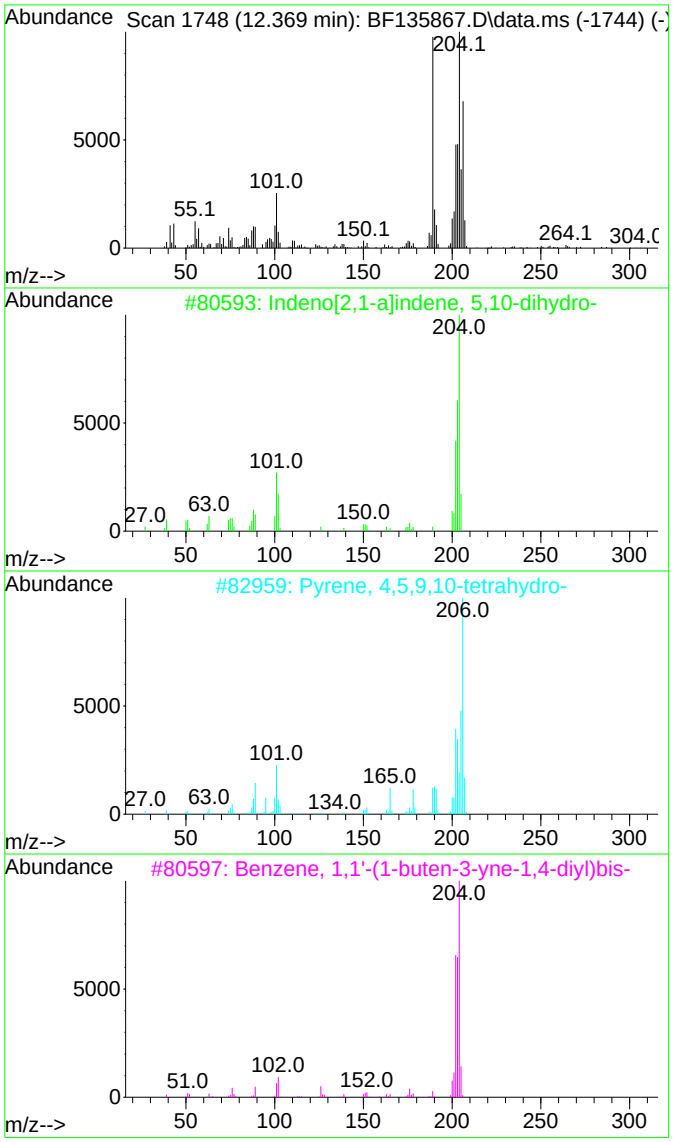
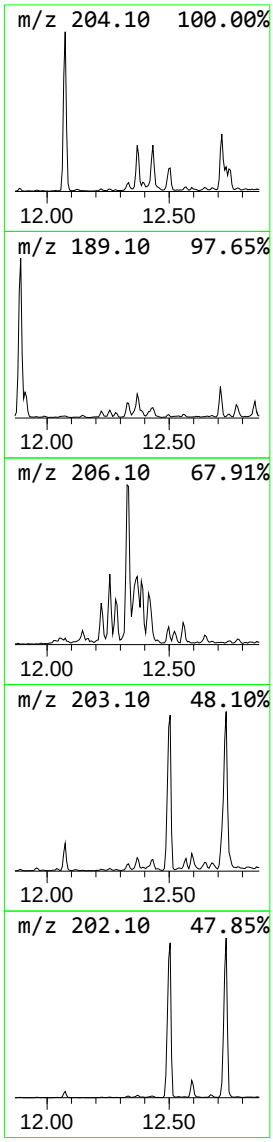
Peak Number 15 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	10.46 ng	350657	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	60
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30





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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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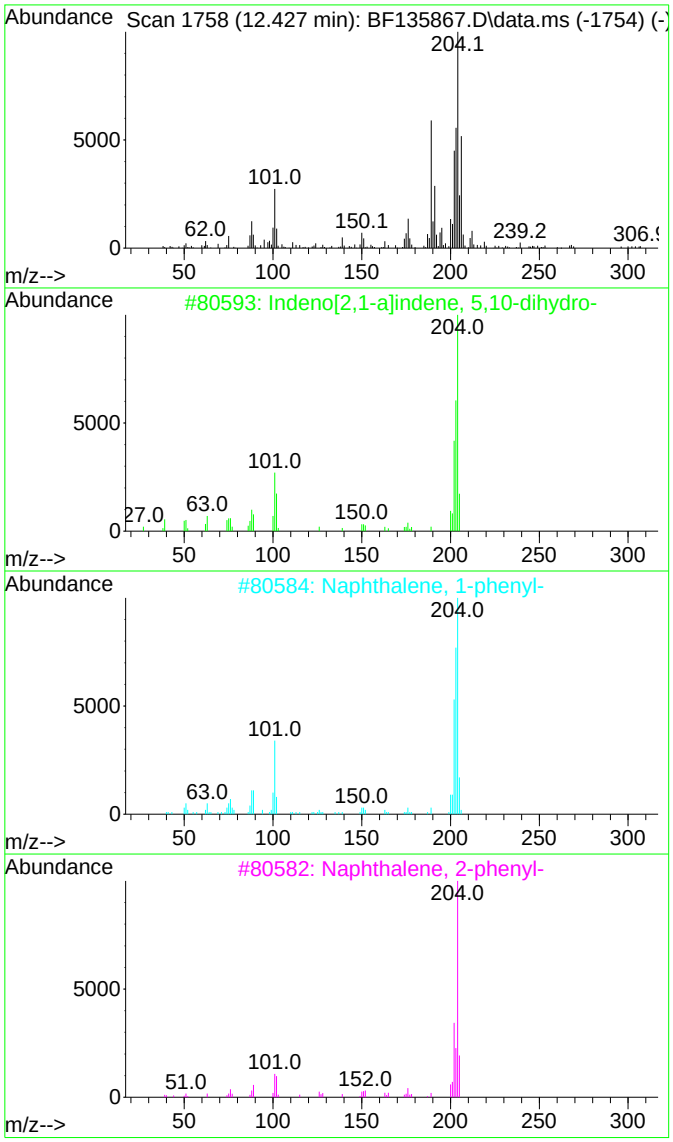
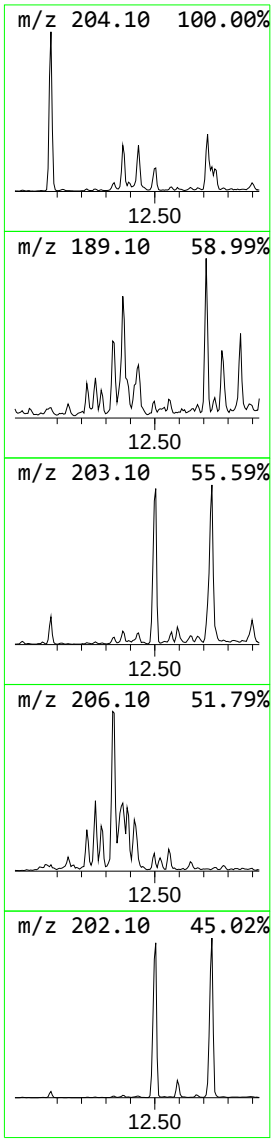
Peak Number 16 unknown12.427 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	5.52 ng	185122	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	50
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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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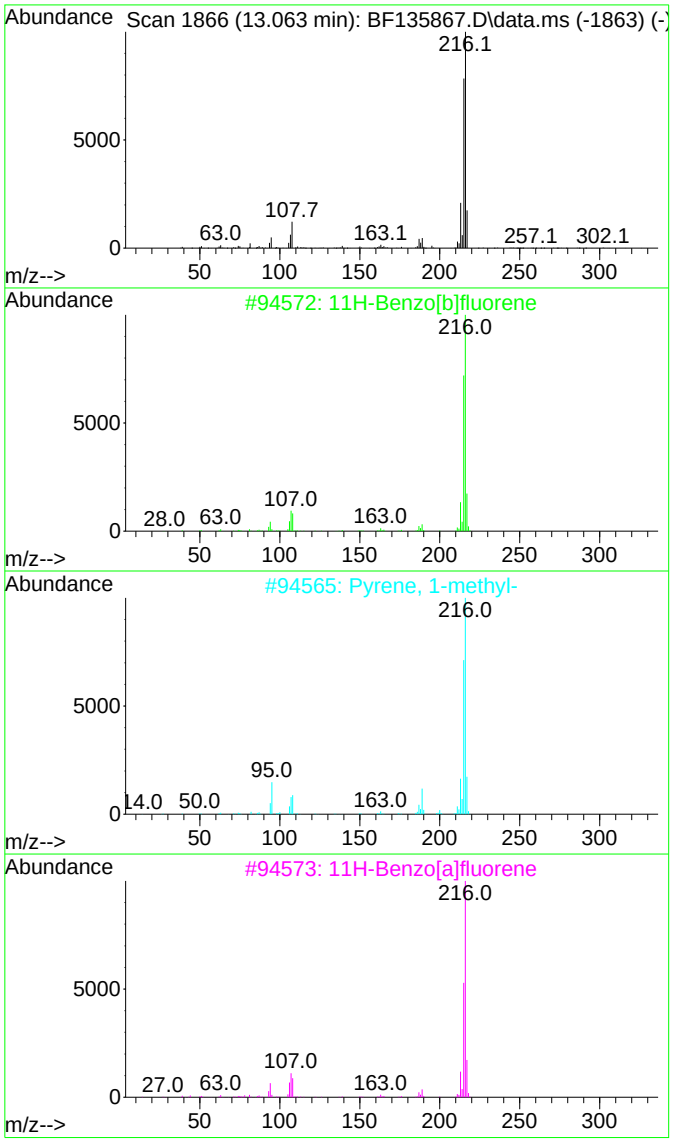
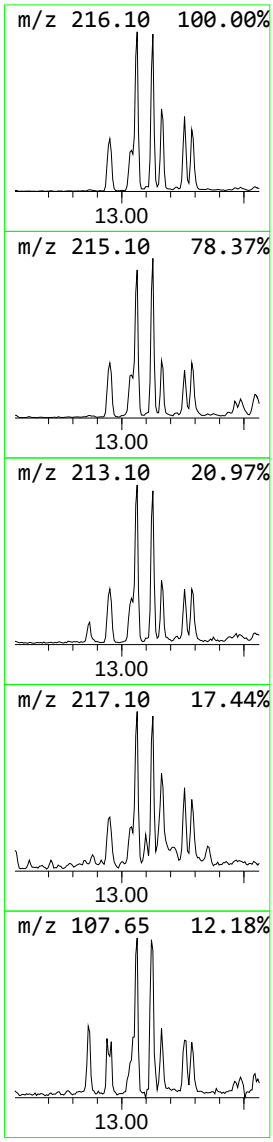
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	5.52 ng	655298	Chrysene-d12	13.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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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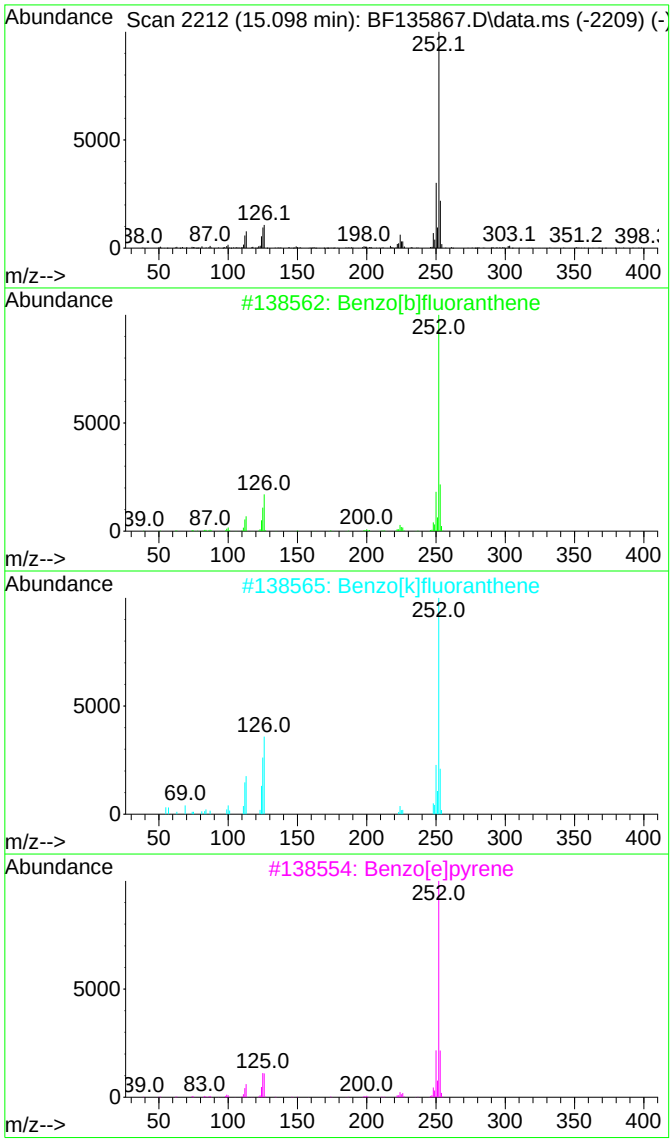
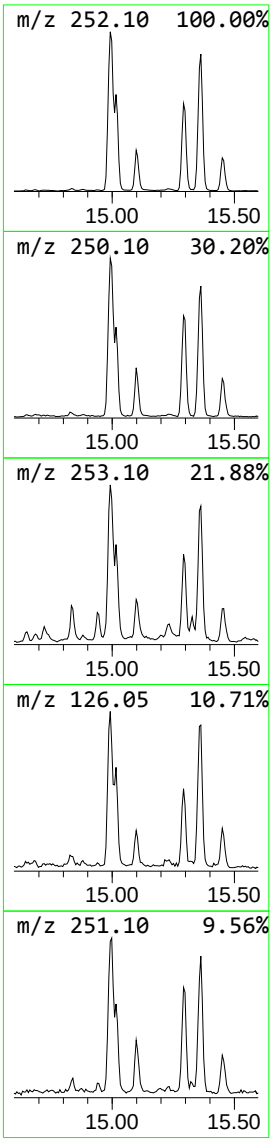
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.098	11.21 ng	271787	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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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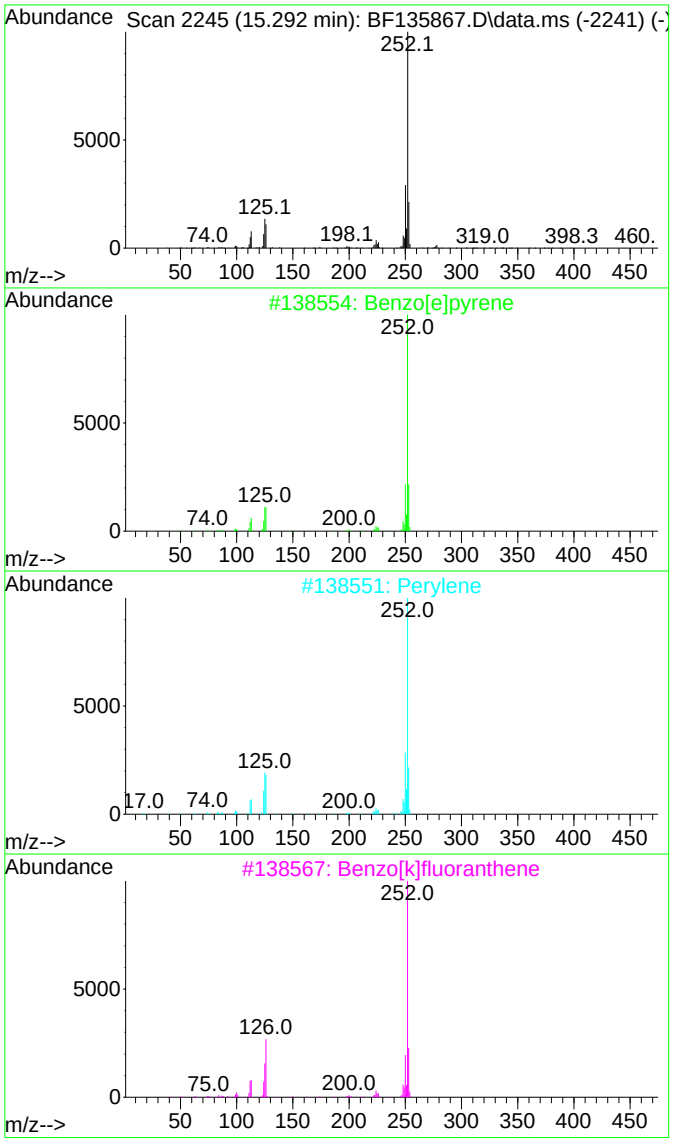
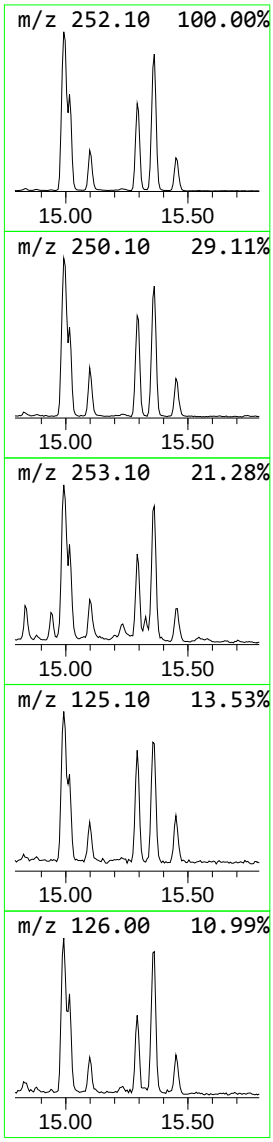
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.292	23.84 ng	577934	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135867.D
Acq On : 19 Oct 2023 01:29
Operator : CG\JU
Sample : 04767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-1(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
2,4,7,9-Tetrame...	9.216	20.0	ng	873333	3	9.775	875219	20.0
Naphthalene, 2,...	9.357	7.7	ng	334946	3	9.775	875219	20.0
Naphthalene, 2,...	9.434	8.8	ng	387448	3	9.775	875219	20.0
Naphthalene, 1,...	9.551	6.3	ng	275801	3	9.775	875219	20.0
9H-Fluorene, 2-...	10.875	9.2	ng	307843	4	11.269	670680	20.0
Naphtho[2,1-b]t...	11.163	14.3	ng	477842	4	11.269	670680	20.0
Dibenzothiophen...	11.604	5.9	ng	198003	4	11.269	670680	20.0
Phenanthrene, 2...	11.775	16.0	ng	535957	4	11.269	670680	20.0
Anthracene, 2-m...	11.804	21.4	ng	718893	4	11.269	670680	20.0
Phenanthrene, 4...	11.857	7.6	ng	254403	4	11.269	670680	20.0
4H-Cyclopenta[d...	11.892	32.8	ng	1100400	4	11.269	670680	20.0
1H-Indene, 2-ph...	11.910	8.2	ng	276093	4	11.269	670680	20.0
Naphthalene, 2-...	12.075	8.3	ng	278016	4	11.269	670680	20.0
9,10-Dimethylan...	12.333	10.8	ng	363632	4	11.269	670680	20.0
Indeno[2,1-a]in...	12.369	10.5	ng	350657	4	11.269	670680	20.0
unknown12.427	12.427	5.5	ng	185122	4	11.269	670680	20.0
11H-Benzo[b]flu...	13.063	5.5	ng	655298	5	13.939	2372660	20.0
Benzo[e]pyrene	15.098	11.2	ng	271787	6	15.421	484867	20.0
Perylene	15.292	23.8	ng	577934	6	15.421	484867	20.0