LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

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-BF070220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.434	565	569	575	rBV	366984	355790	11.98%	0.811%
2	6.445	738	741	747	rBV	455499	374112	12.59%	0.852%
3	6.828	803	806	810	rBV	1271827	1062484	35.77%	2.421%
4	7.386	897	901	904	rBV	310200	253086	8.52%	0.577%
5	8.116	1020	1025	1027	rBV	1409136	1312549	44.19%	2.991%
6	8.922	1158	1162	1166	rBV	80921	70968	2.39%	0.162%
7	9.186	1203	1207	1213	rBV	623952	488679	16.45%	1.113%
8	9.527	1261	1265	1267	rBV	107530	100742	3.39%	0.230%
9	9.580	1272	1274	1280	rVB2	132235	150798	5.08%	0.344%
10	9.727	1295	1299	1304	rBV	331249	283838	9.56%	0.647%
11	9.869	1316	1323	1326	rBV	1727855	1410742	47.49%	3.214%
12	9.898	1326	1328	1332	rVB	136794	110450	3.72%	0.252%
13	10.069	1352	1357	1361	rVV	119127	109302	3.68%	0.249%
14	10.180	1372	1376	1379	rBV2	73409	89281	3.01%	0.203%
15	10.416	1413	1416	1422	rVB	192432	210294	7.08%	0.479%
16	10.480	1422	1427	1429	rBV2	56170	68194	2.30%	0.155%
17	10.651	1451	1456	1460	rBV2	360118	337455	11.36%	0.769%
18	10.780	1474	1478	1484	rVB3	108293	113279	3.81%	0.258%
19	10.963	1504	1509	1511	rBV2	92346	111506	3.75%	0.254%
20	10.986	1511	1513	1517	rVV2	67327	69864	2.35%	0.159%
21	11.110	1532	1534	1537	rVV2	71387	79037	2.66%	0.180%
22	11.157	1539	1542	1546	rVV3	88423	95755	3.22%	0.218%
23	11.198	1546	1549	1552	rVV	55877	68107	2.29%	0.155%
24	11.245	1555	1557	1563	rVB	150173	160002	5.39%	0.365%
25	11.351	1571	1575	1577	rBV	1516210	1340198	45.12%	3.054%
26	11.374	1577	1579	1583	rVV	1514251	1258977	42.38%	2.869%
27	11.427	1583	1588	1591	rVB	570246	469255	15.80%	1.069%
28	11.457	1591	1593	1597	rBV2	83382	97049	3.27%	0.221%
29	11.580	1608	1614	1616	rBV	99174	113824	3.83%	0.259%
30	11.680	1628	1631	1637	rVB	153834	147688	4.97%	0.337%
31	11.769	1643	1646	1649	rVB	101274	103695	3.49%	0.236%
32	11.857	1657	1661	1663	rVV	379131	379476	12.77%	0.865%
33	11.880	1663	1665	1669	rVB	563007	454925	15.31%	1.037%
34	11.927	1669	1673	1676	rBV	229115	204256	6.88%	0.465%

LSC Area Percent Report

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Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

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-BF070220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.963	1676	1679	1682	rBV2	680216	752114	25.32%	1.714%
36	11.986	1682	1683	1689	rVB	334952	234202	7.88%	0.534%
37	12.086	1698	1700	1703	rVV2	90851	78922	2.66%	0.180%
38	12.151	1708	1711	1713	rVV2	247694	259273	8.73%	0.591%
39	12.169	1713	1714	1718	rVV2	170593	172599	5.81%	0.393%
40	12.280	1731	1733	1734	rVV	90729	77182	2.60%	0.176%
41	12.298	1734	1736	1739	rVV	138981	139898	4.71%	0.319%
42	12.327	1739	1741	1744	rVV	192802	212590	7.16%	0.484%
43	12.351	1744	1745	1748	rVB2	149958	100293	3.38%	0.229%
44	12.404	1750	1754	1757	rVV	442848	481248	16.20%	1.097%
45	12.439	1757	1760	1762	rVV2	279252	344642	11.60%	0.785%
46	12.463	1762	1764	1766	rVV	146553	122699	4.13%	0.280%
47	12.486	1766	1768	1773	rVV3	283836	367138	12.36%	0.837%
48	12.527	1773	1775	1778	rVV	72735	80072	2.70%	0.182%
49	12.568	1778	1782	1785	rVV	2853016	2467421	83.06%	5.622%
50	12.616	1785	1790	1791	rVV2	110824	152726	5.14%	0.348%
51	12.657	1795	1797	1800	rVV2	142289	139213	4.69%	0.317%
52	12.692	1800	1803	1805	rVV2	83368	100586	3.39%	0.229%
53	12.716	1805	1807	1811	rVV3	165973	217228	7.31%	0.495%
54	12.798	1815	1821	1824	rVV	2691430	2970491	100.00%	6.768%
55	12.851	1826	1830	1834	rVV3	185824	249248	8.39%	0.568%
56	12.910	1837	1840	1842	rVV2	195309	203840	6.86%	0.464%
57	12.939	1842	1845	1852	rVB2	511916	622184	20.95%	1.418%
58	13.010	1852	1857	1861	rBV2	318974	491533	16.55%	1.120%
59	13.068	1864	1867	1869	rVV2	105303	108180	3.64%	0.246%
60	13.098	1869	1872	1873	rVV2	282187	298151	10.04%	0.679%
61	13.121	1873	1876	1879	rVB	516472	507439	17.08%	1.156%
62	13.186	1884	1887	1890	rVB	295666	254902	8.58%	0.581%
63	13.227	1890	1894	1897	rBV2	450641	485355	16.34%	1.106%
64	13.286	1901	1904	1906	rBV2	76086	75744	2.55%	0.173%
65	13.316	1906	1909	1912	rVB	323867	286058	9.63%	0.652%
66	13.345	1912	1914	1918	rBV	309588	291895	9.83%	0.665%
67	13.433	1925	1929	1932	rVB4	58284	88398	2.98%	0.201%
68	13.498	1937	1940	1941	rBV2	79344	76967	2.59%	0.175%
69	13.521	1942	1944	1946	rVV2	97604	115559	3.89%	0.263%
70	13.627	1959	1962	1967	rVB	282479	312865	10.53%	0.713%
71	13.692	1971	1973	1975	rVB	102586	74248	2.50%	0.169%

LSC Area Percent Report

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Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

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-BF070220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.739	1976	1981	1984	rBV3	327380	462201	15.56%	1.053%
73	13.768	1984	1986	1988	rVV	277792	225206	7.58%	0.513%
74	13.792	1988	1990	1994	rVV2	245492	283615	9.55%	0.646%
75	13.833	1994	1997	2002	rVB2	223505	278609	9.38%	0.635%
76	13.986	2018	2023	2026	rBV2	2073765	2895433	97.47%	6.597%
77	14.015	2026	2028	2034	rVB	1372386	1444795	48.64%	3.292%
78	14.080	2036	2039	2040	rBV	101689	94646	3.19%	0.216%
79	14.098	2040	2042	2045	rVB	167564	114348	3.85%	0.261%
80	14.133	2045	2048	2050	rBV	117891	115349	3.88%	0.263%
81	14.204	2058	2060	2065	rBV2	101187	169962	5.72%	0.387%
82	14.245	2065	2067	2070	rVB	120764	103695	3.49%	0.236%
83	14.345	2081	2084	2085	rBV	118307	116370	3.92%	0.265%
84	14.380	2085	2090	2093	rVV	420651	465205	15.66%	1.060%
85	14.410	2093	2095	2099	rVB	262227	222241	7.48%	0.506%
86	14.445	2099	2101	2103	rBV2	83730	86144	2.90%	0.196%
87	14.468	2103	2105	2108	rVB2	190106	167847	5.65%	0.382%
88	14.504	2108	2111	2113	rBV	229477	240668	8.10%	0.548%
89	14.627	2130	2132	2137	rVB3	69967	71694	2.41%	0.163%
90	14.762	2153	2155	2157	rBV2	88983	90196	3.04%	0.206%
91	14.933	2182	2184	2188	rVB2	86873	89998	3.03%	0.205%
92	15.033	2196	2201	2204	rBV	1401314	2363654	79.57%	5.386%
93	15.133	2215	2218	2222	rVB	342567	368178	12.39%	0.839%
94	15.333	2247	2252	2257	rVB	867864	1163979	39.18%	2.652%
95	15.392	2257	2262	2268	rBV	1375016	1752216	58.99%	3.992%
96	15.457	2268	2273	2275	rVV	1008878	1289758	43.42%	2.939%
97	15.486	2275	2278	2284	rVB2	440529	644775	21.71%	1.469%
98	15.927	2350	2353	2358	rBV2	118035	163016	5.49%	0.371%
99	16.898	2512	2518	2526	rVB2	638858	1300315	43.77%	2.963%
100	17.333	2586	2592	2603	rVB	502799	1034864	34.84%	2.358%

Sum of corrected areas: 43887737

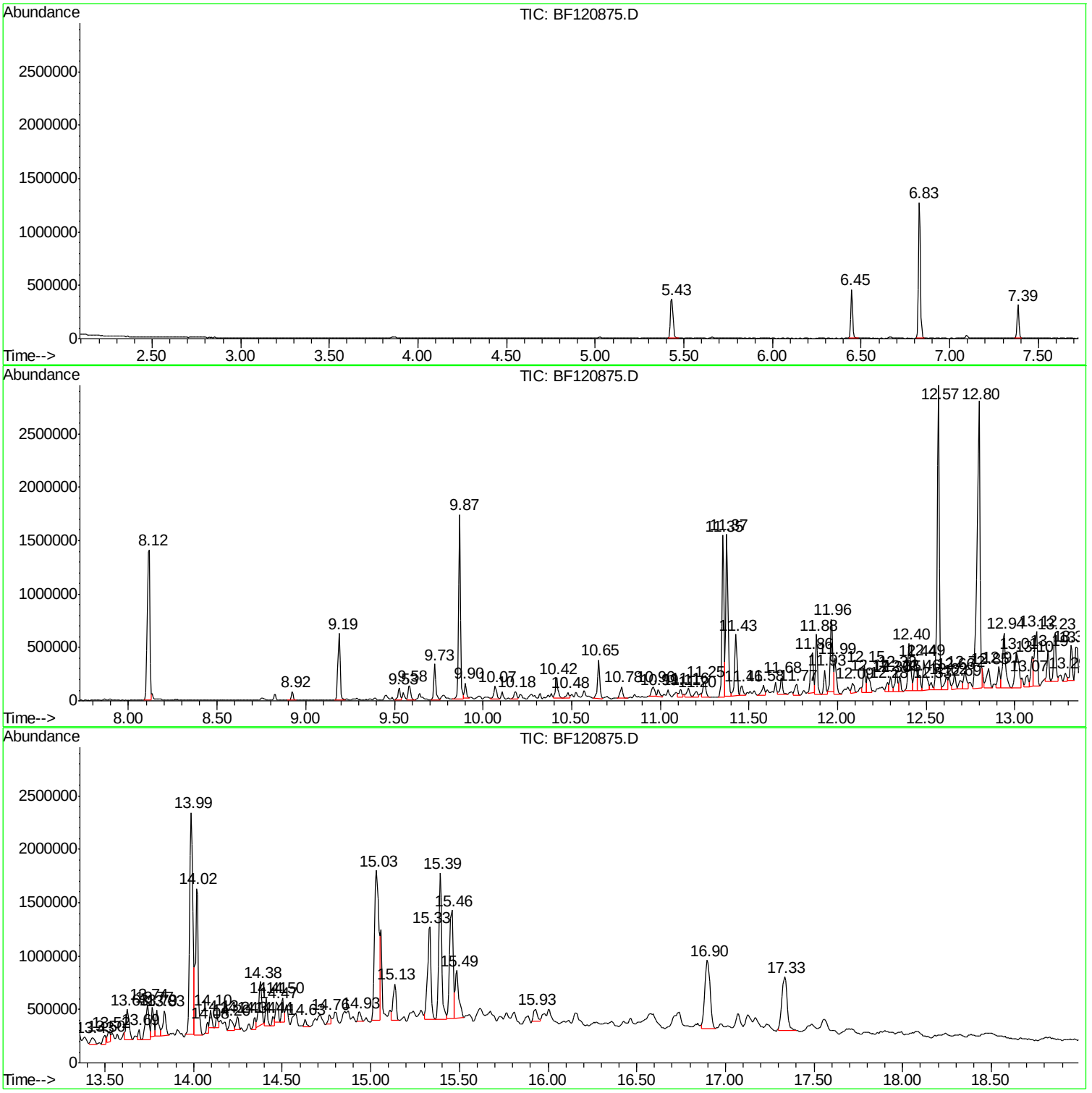
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

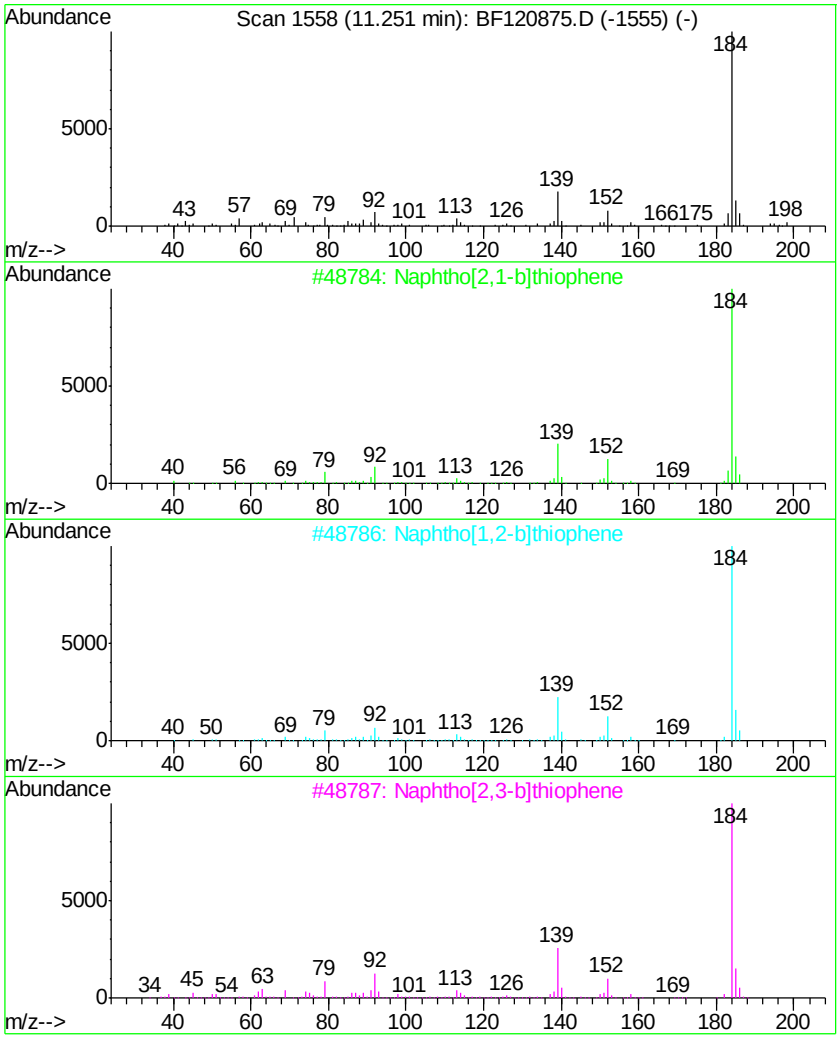
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

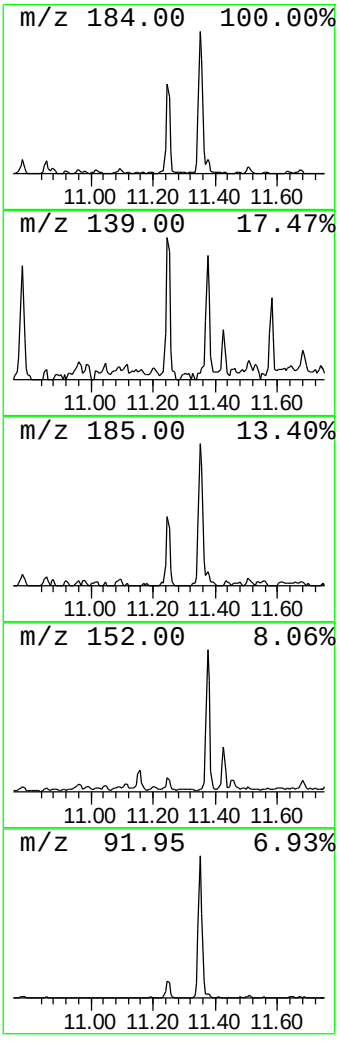
****

Peak Number 1 Naphtho[2,1-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	2.39 ng	160002	Phenanthrene-d10	11.35

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

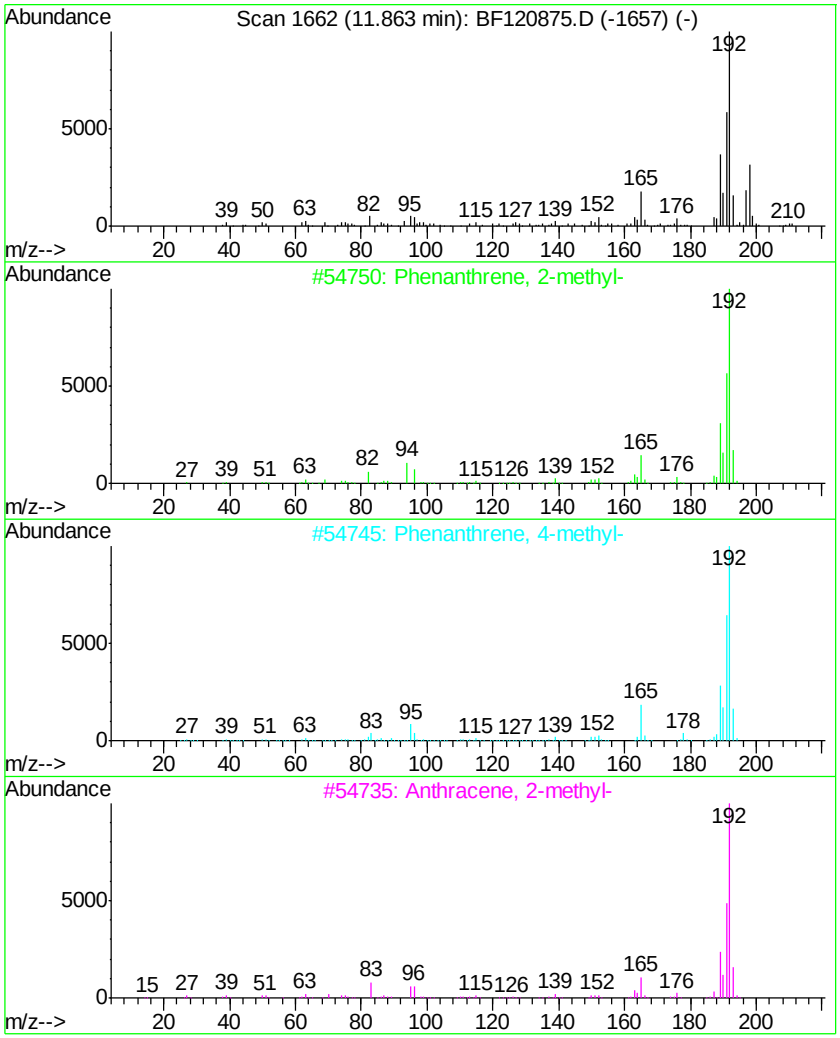
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

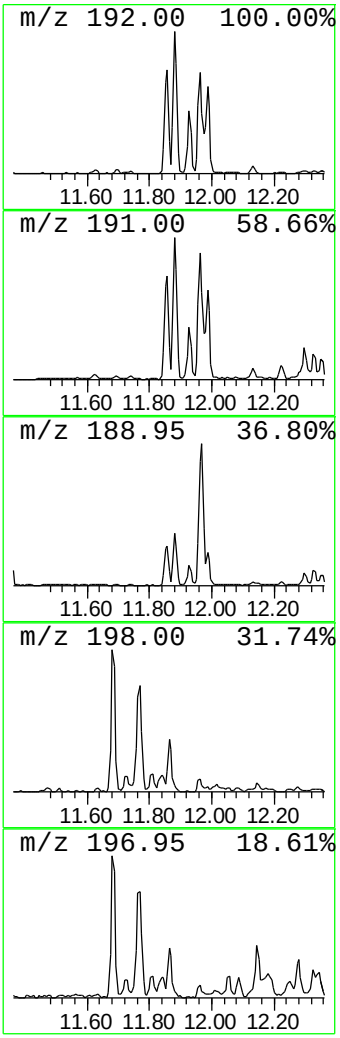
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.66 ng	379476	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
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Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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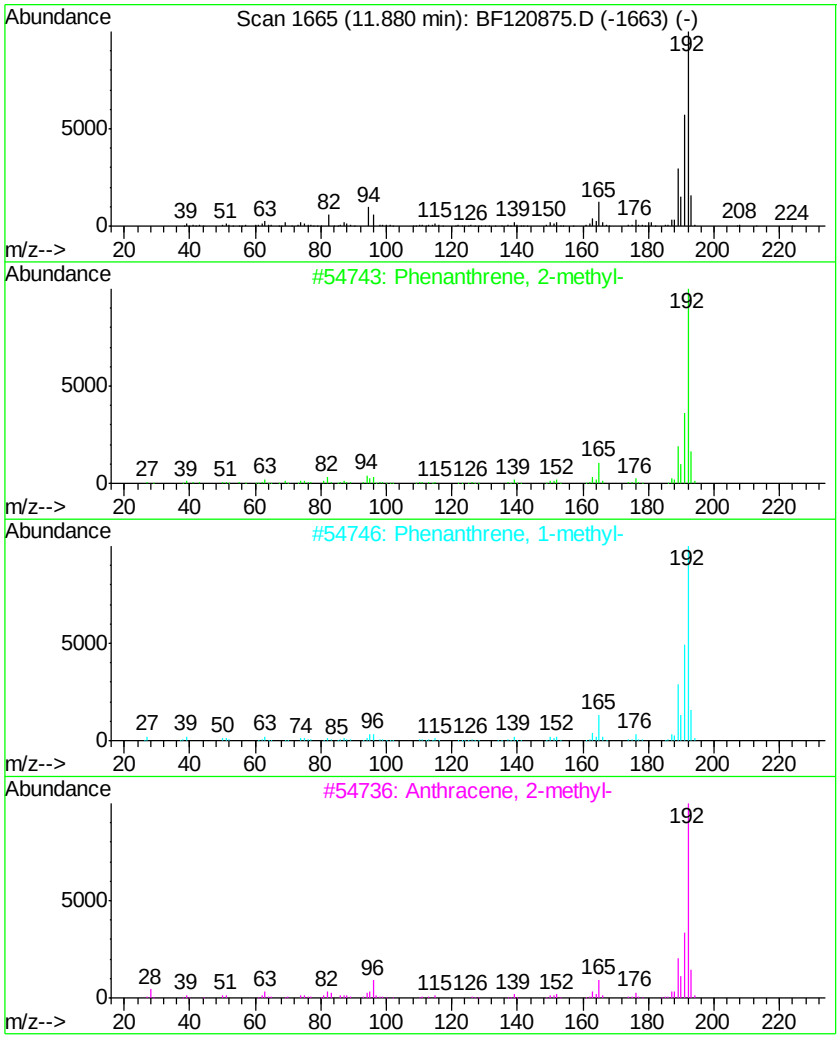
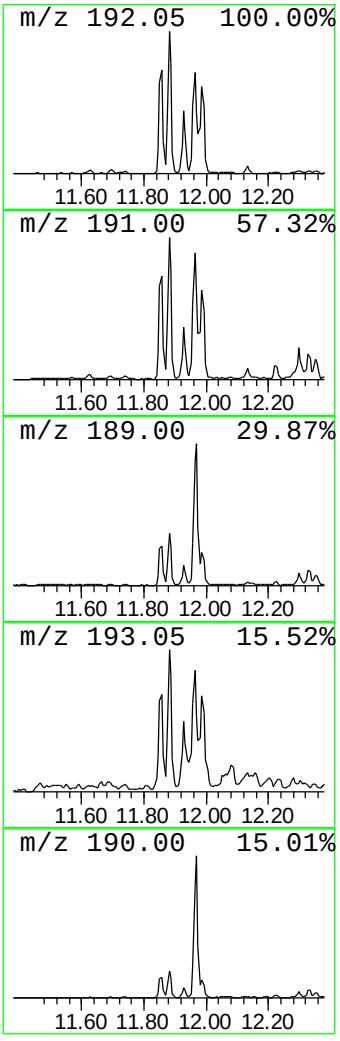
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	6.79 ng	454925	Phenanthrene-d10	11.35

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

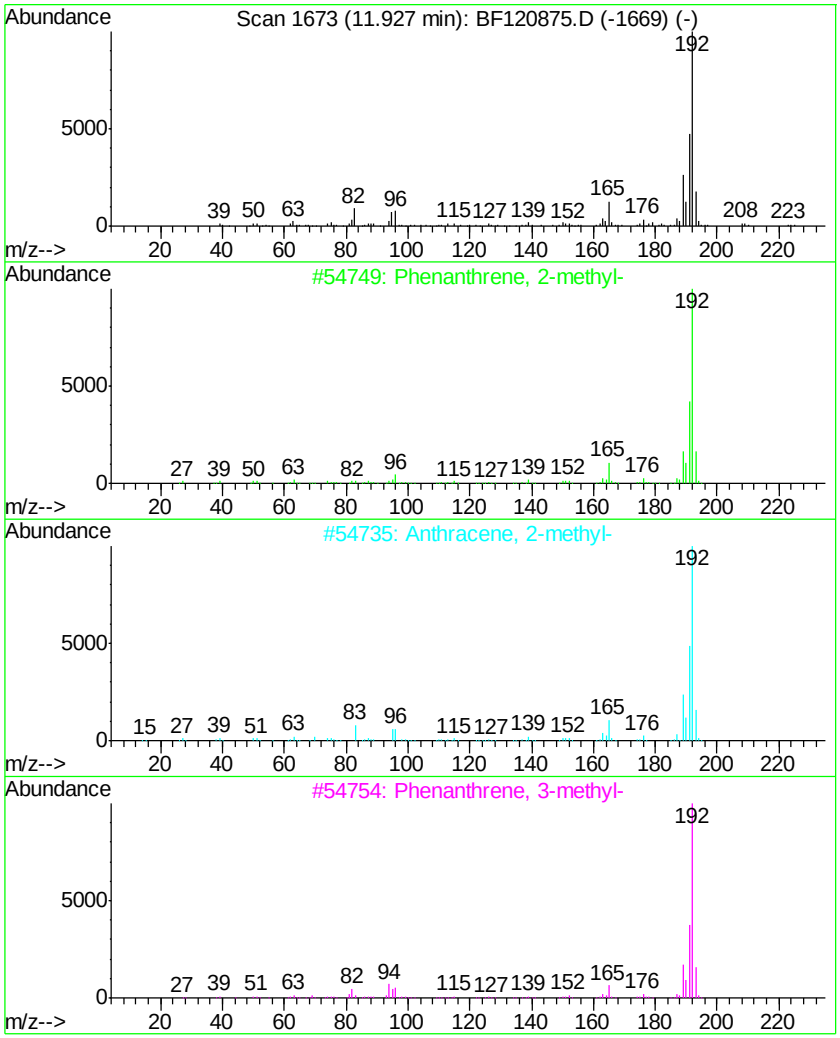
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

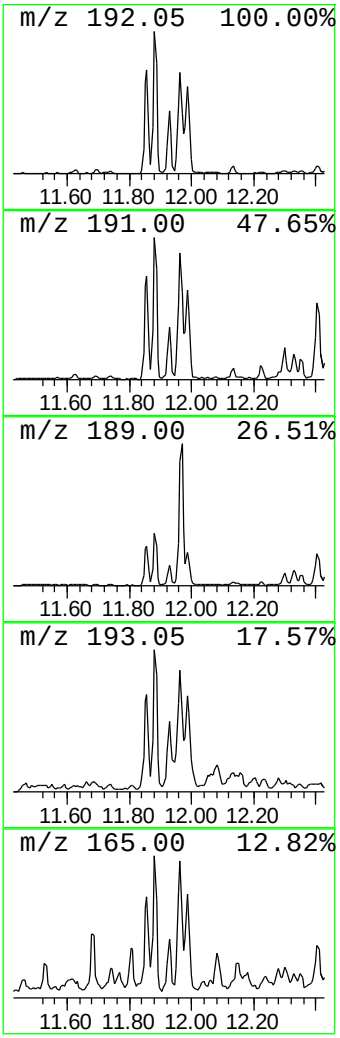
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.05 ng	204256	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

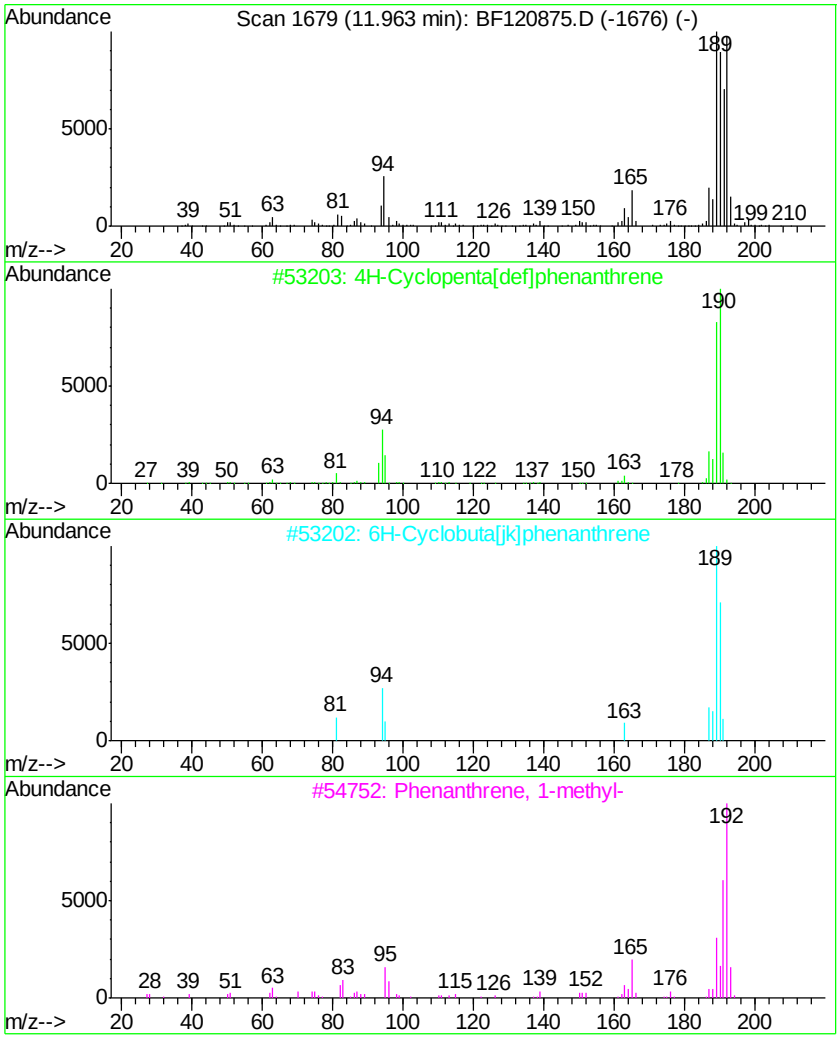
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

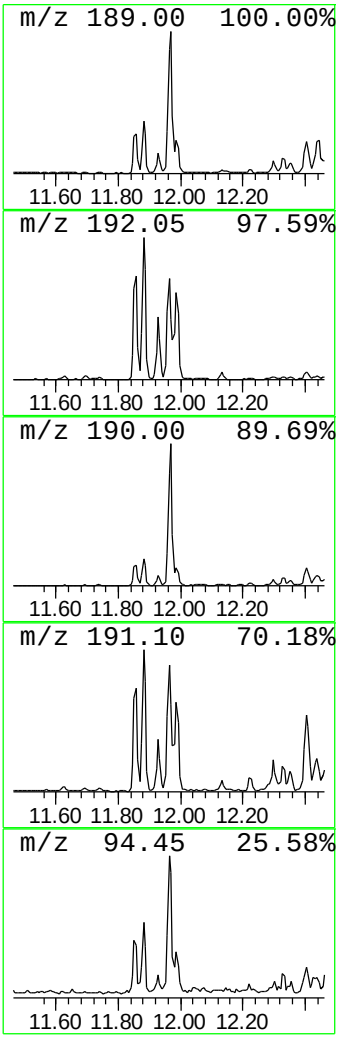
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	11.22 ng	752114	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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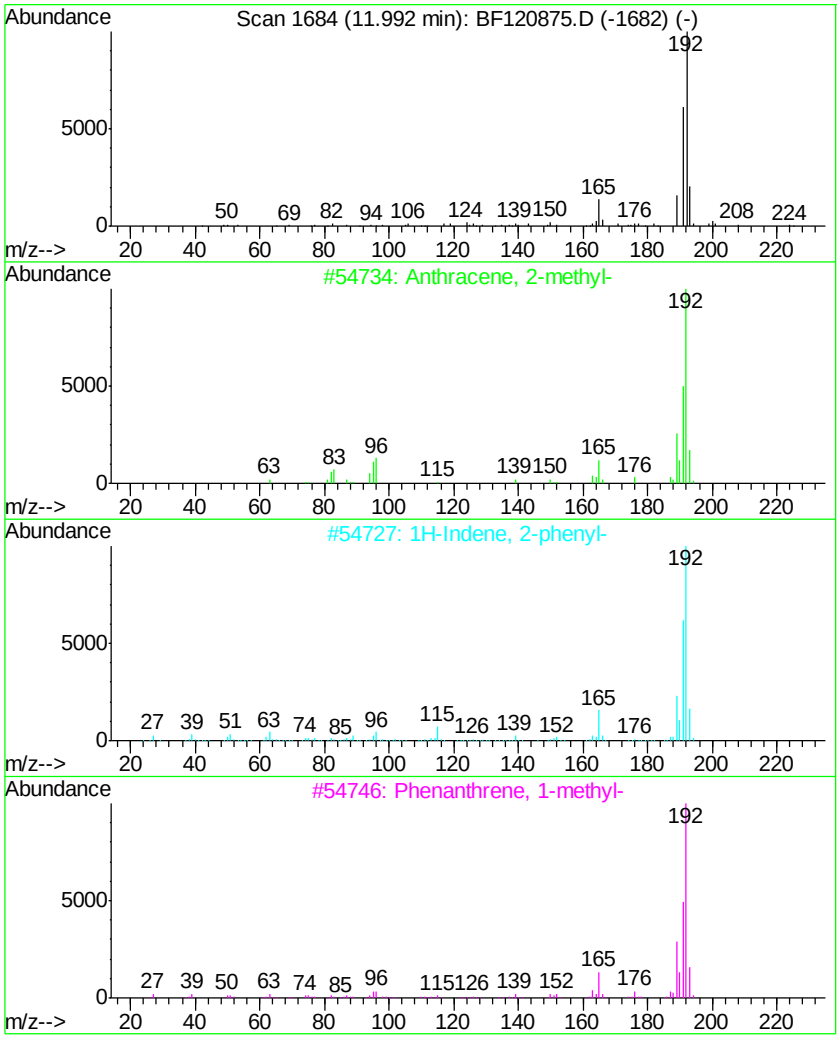
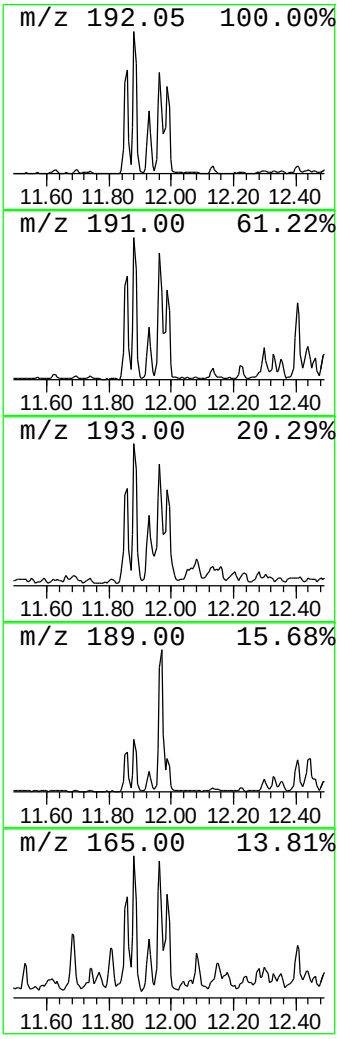
Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.50 ng	234202	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





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Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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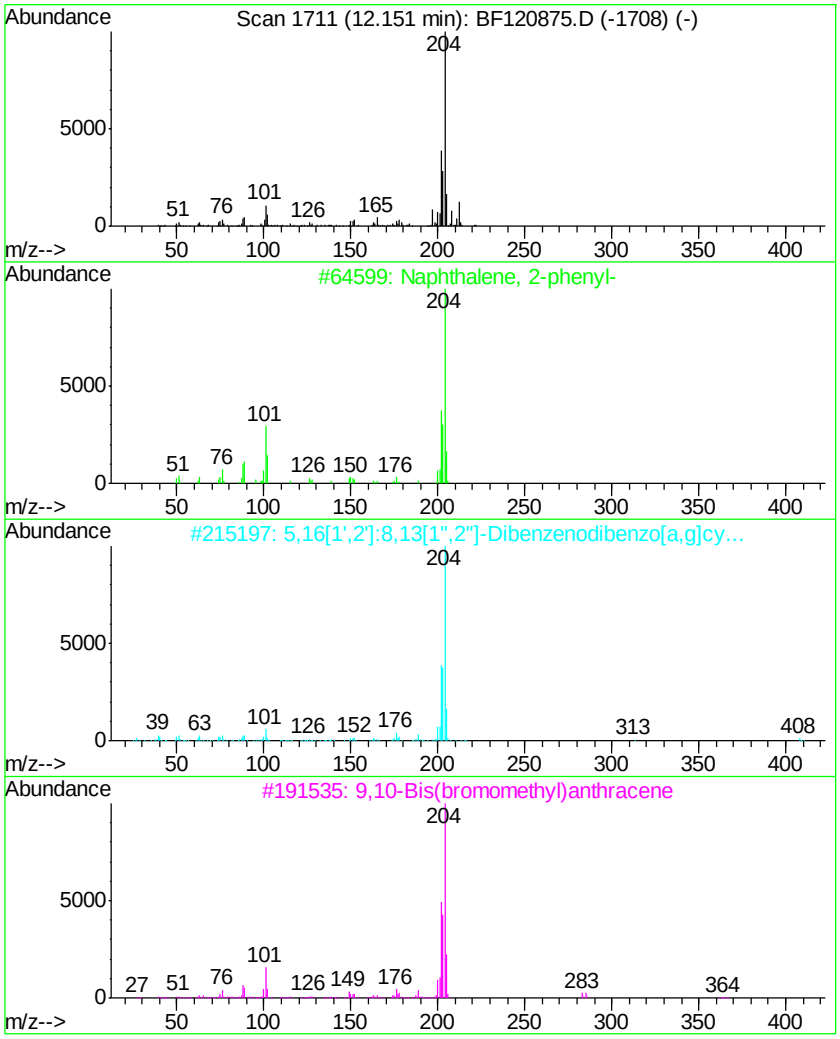
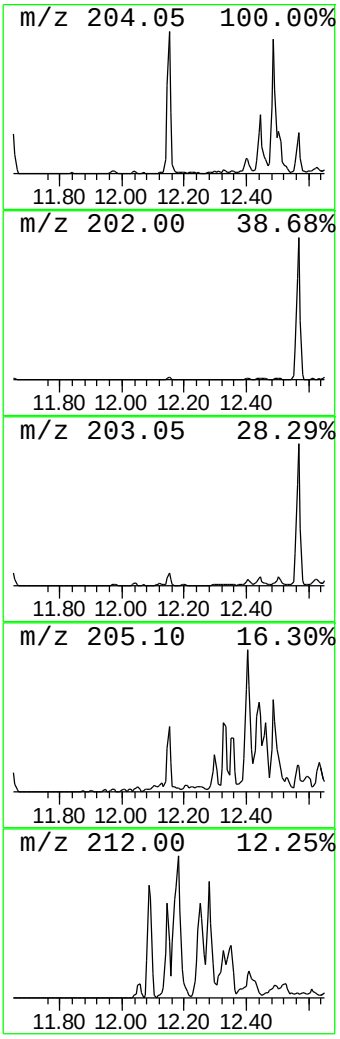
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.87 ng	259273	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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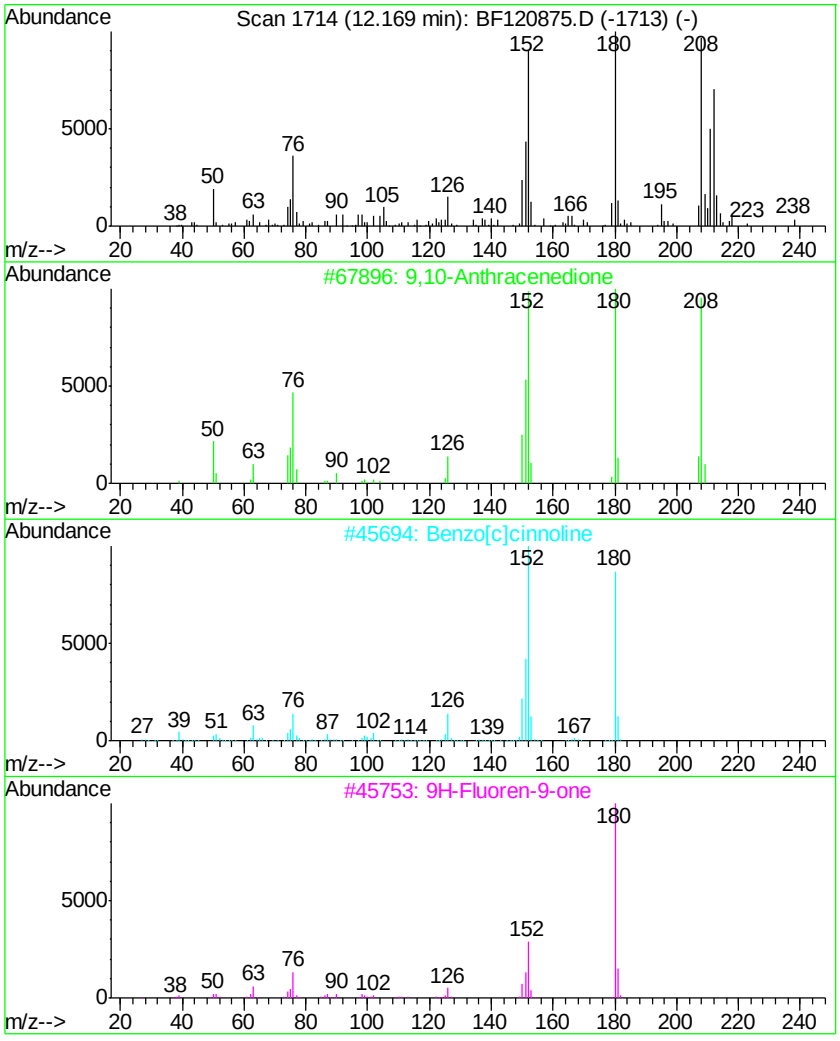
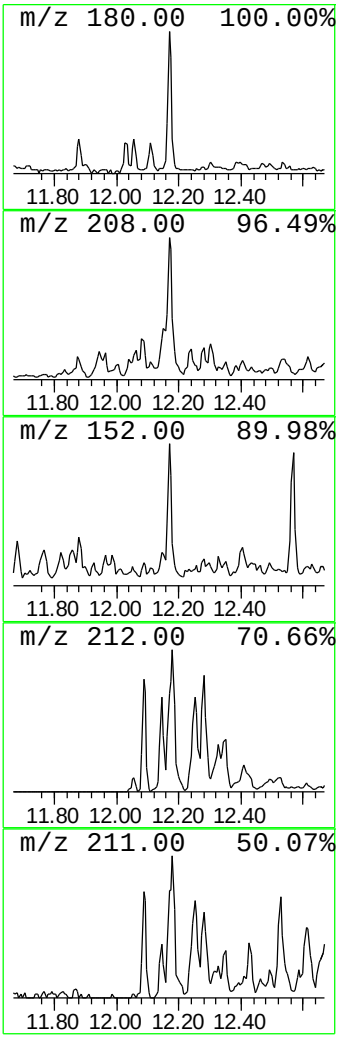
Peak Number 8 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.58 ng	172599	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46





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Instrument : BNA_F
ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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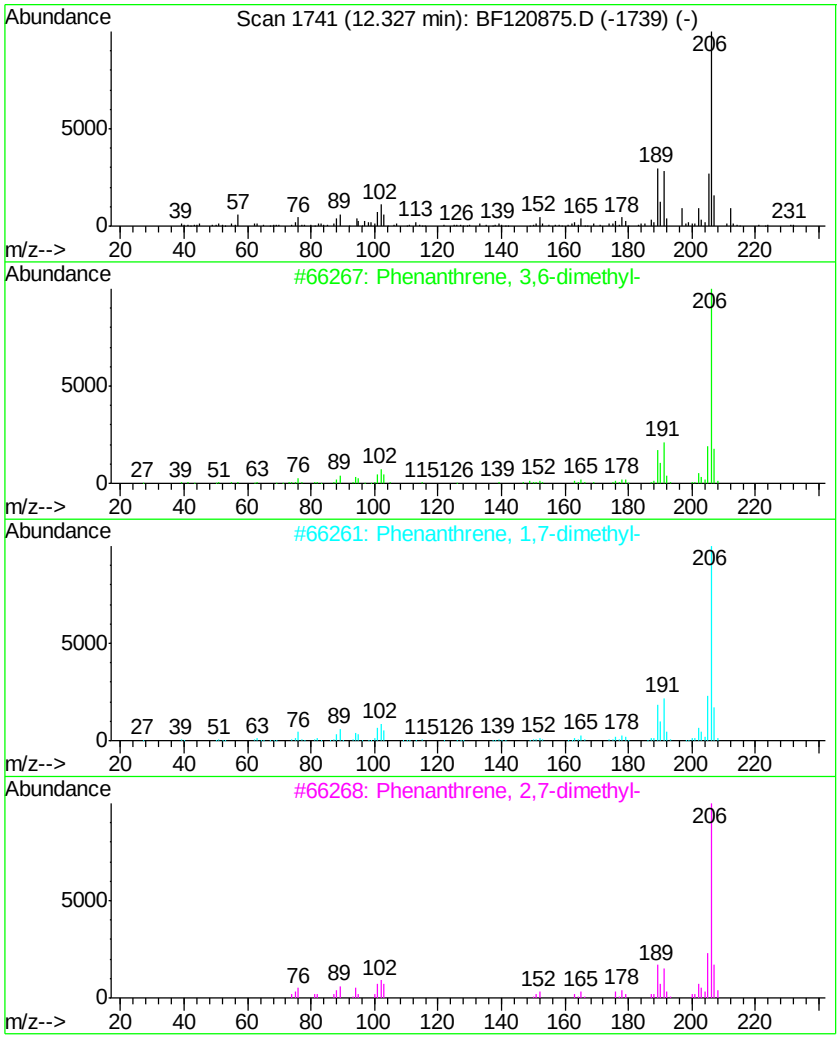
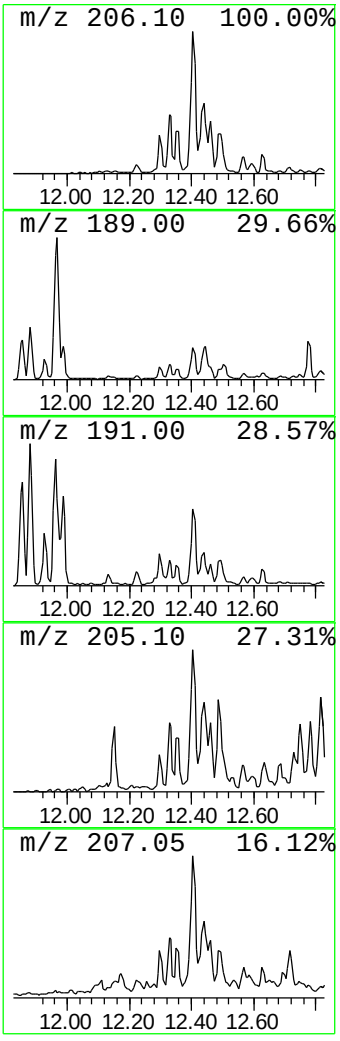
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.17 ng	212590	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	76
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	74





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

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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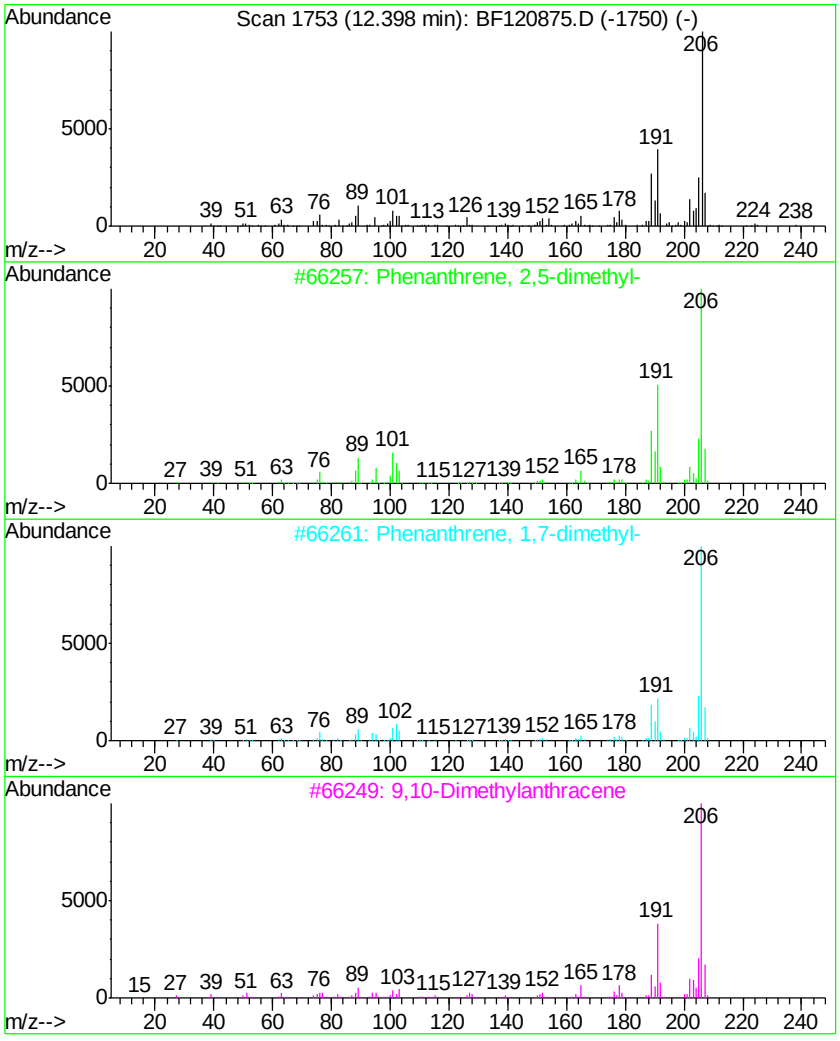
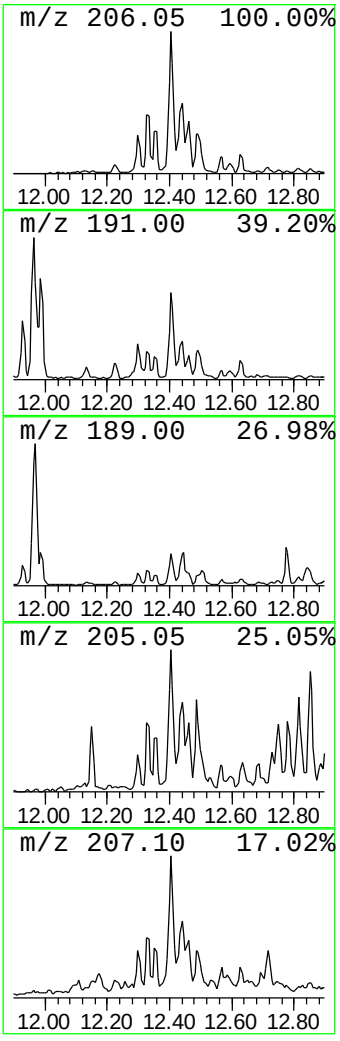
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	7.18 ng	481248	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : L3183-06 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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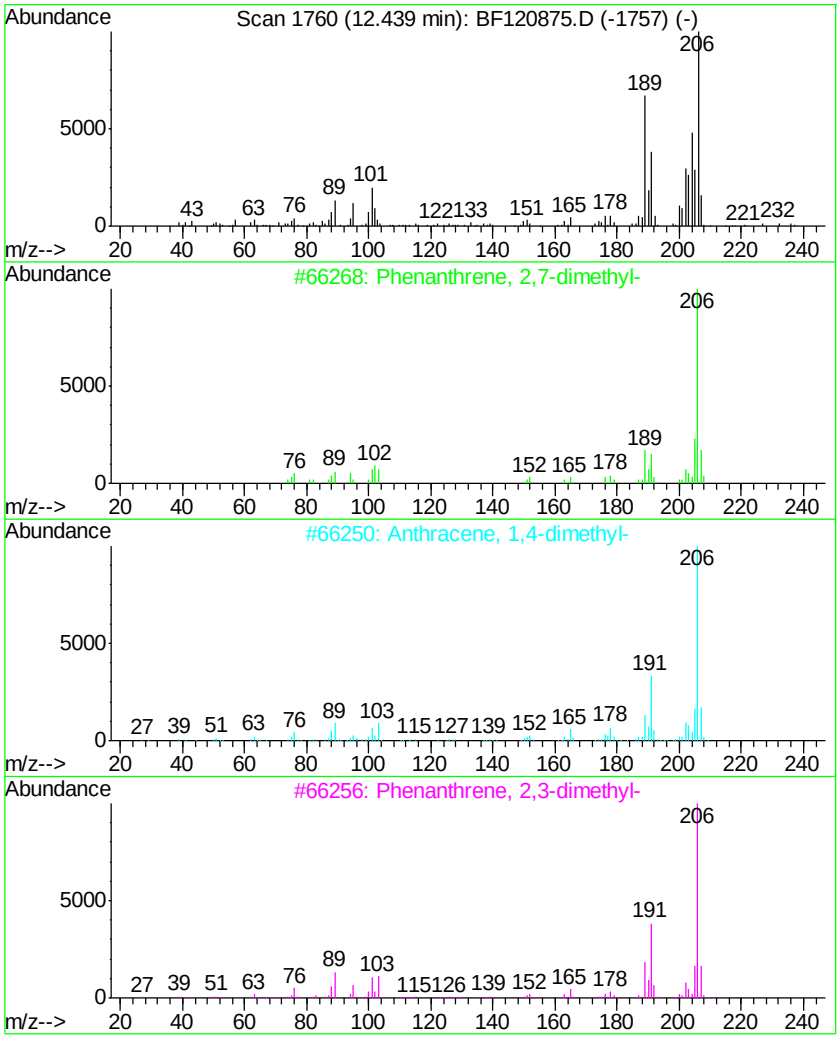
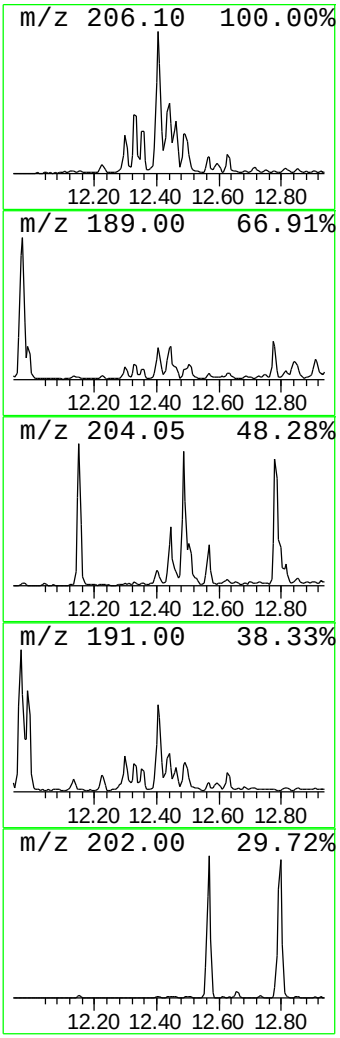
Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	5.14 ng	344642	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	55
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	49
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46





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Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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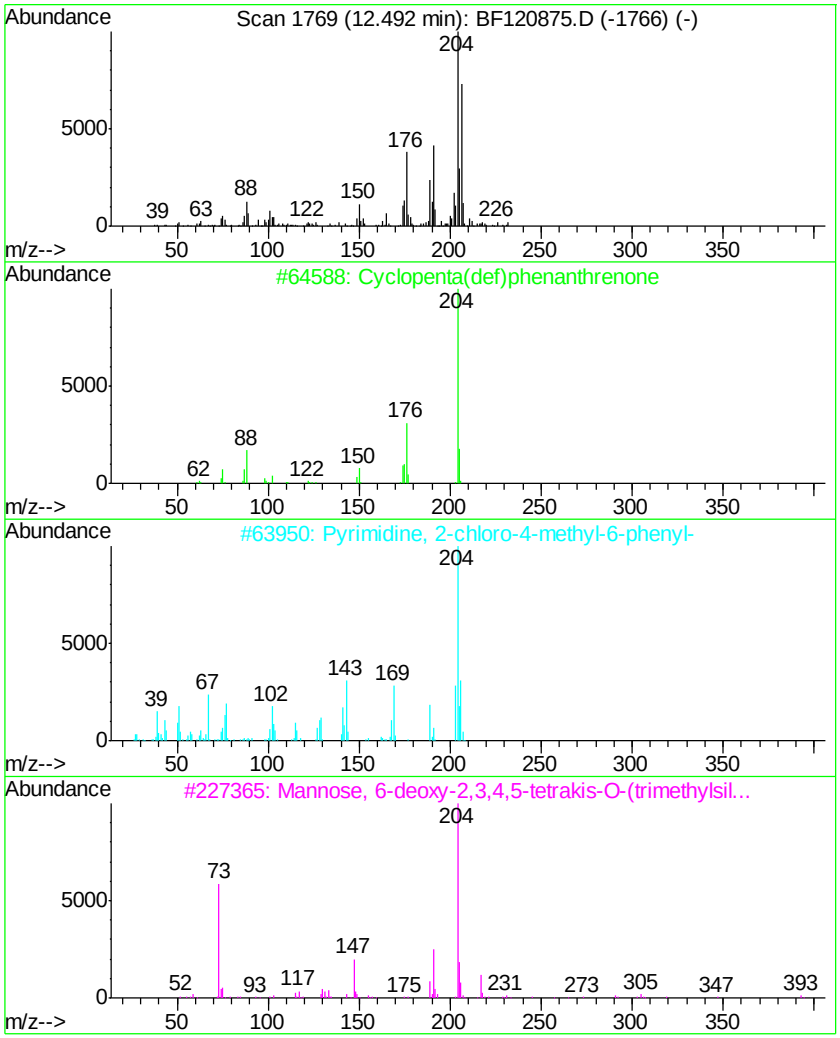
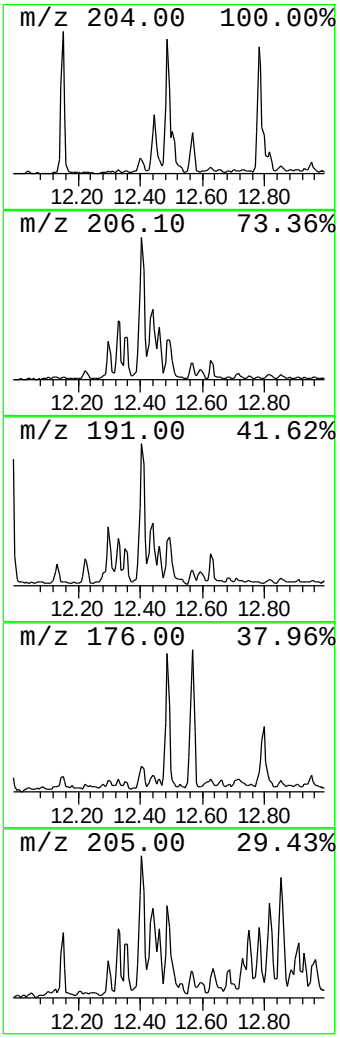
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.48 ng	367138	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Sample : L3183-06 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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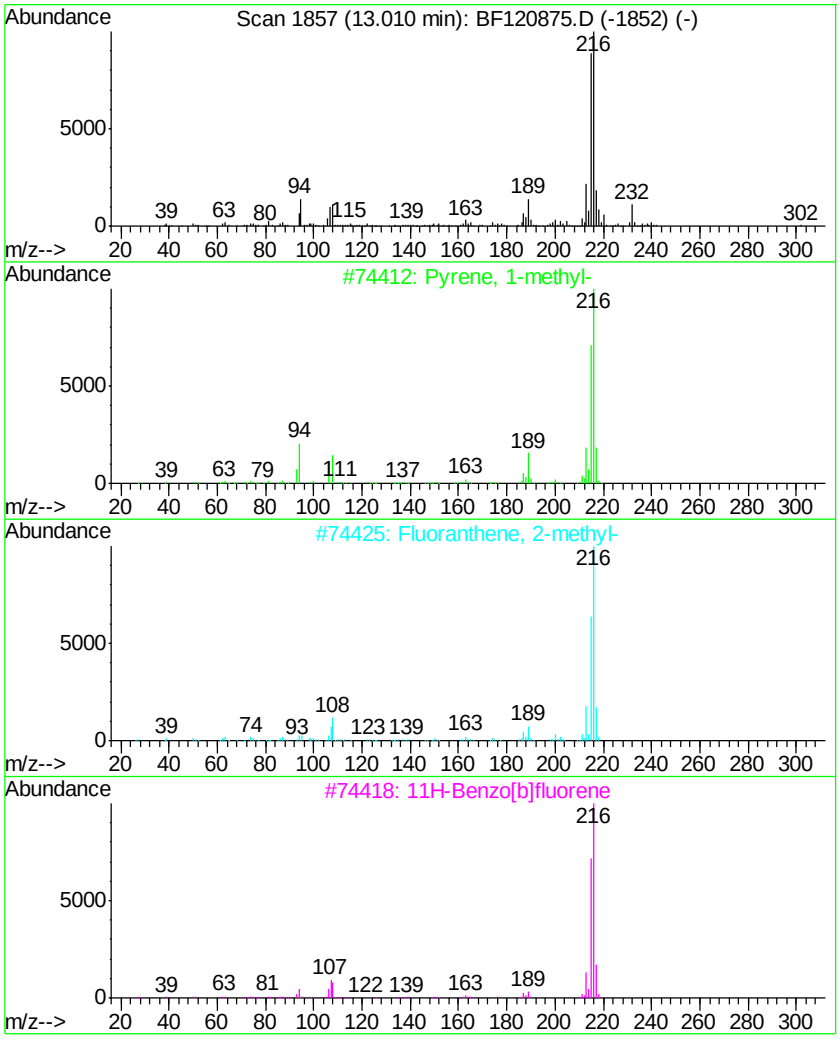
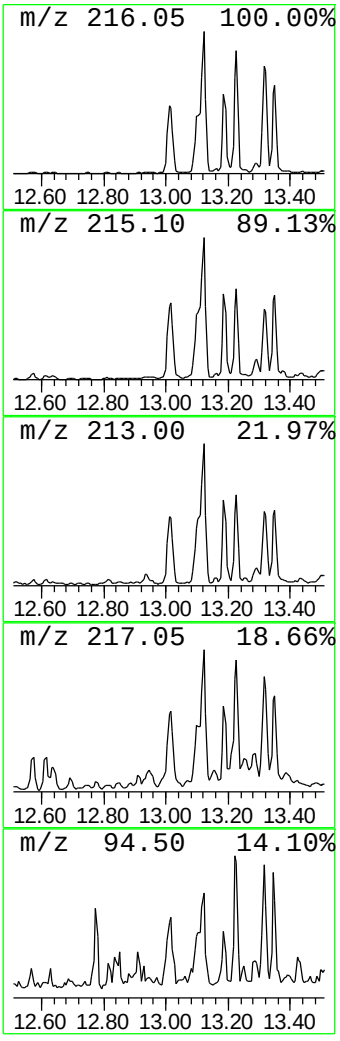
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	3.40 ng	491533	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Misc :
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Instrument : BNA_F
ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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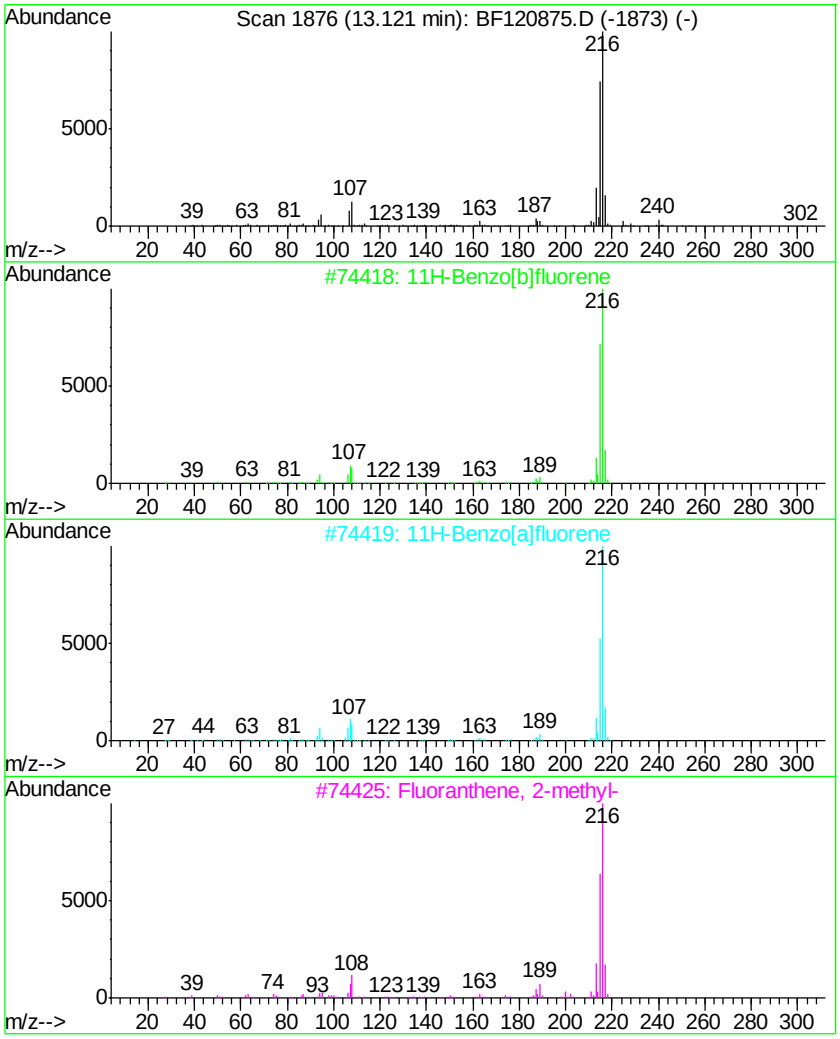
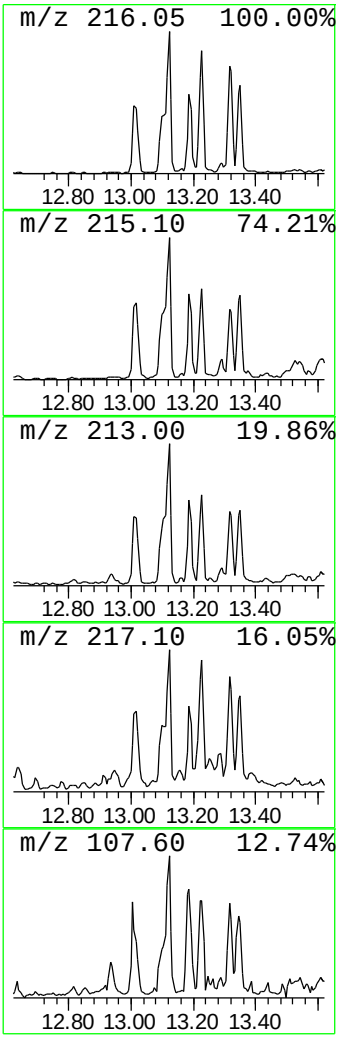
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.51 ng	507439	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Misc :
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ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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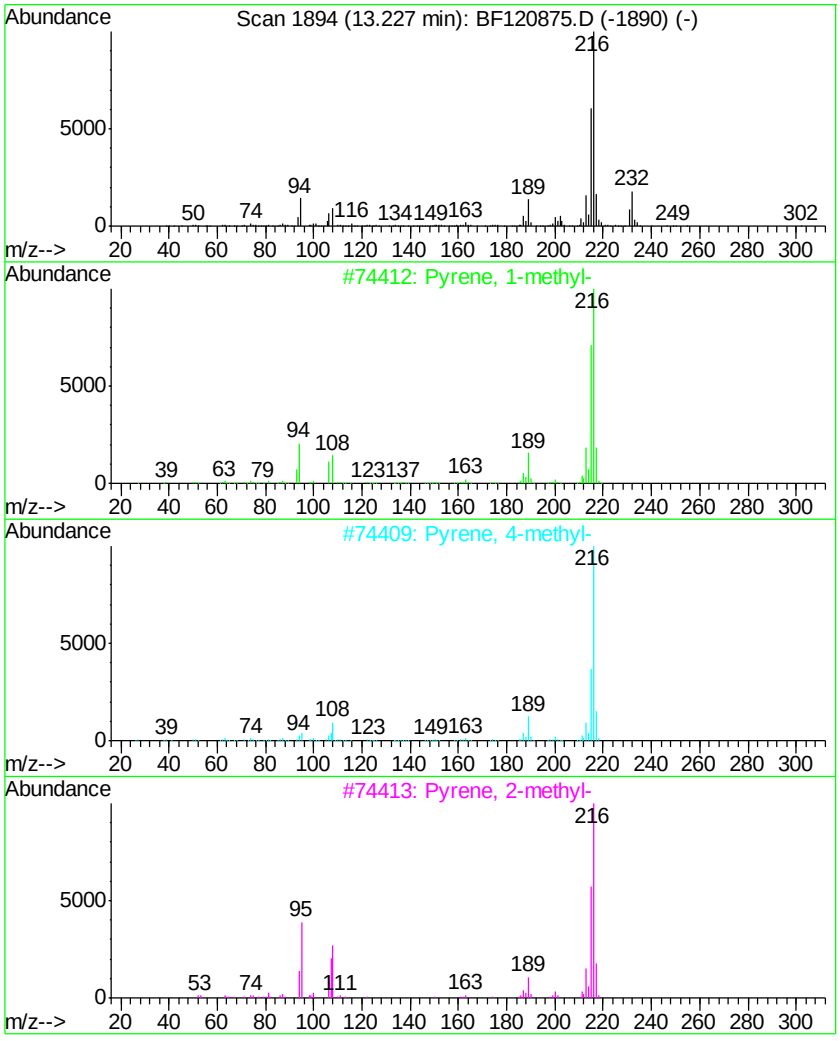
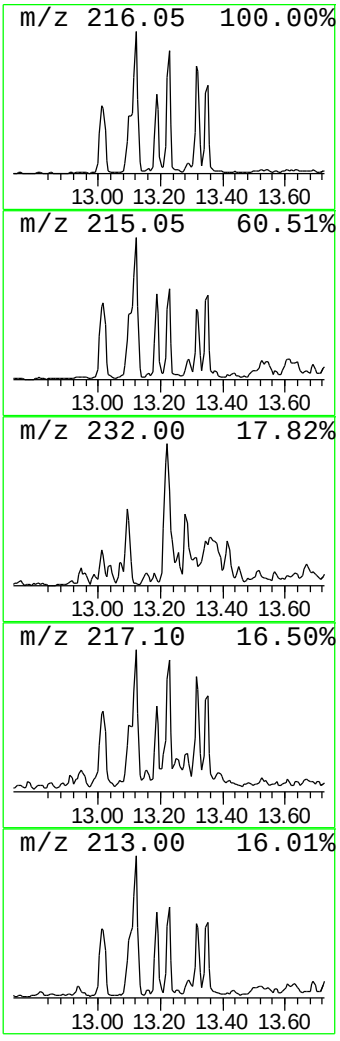
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	3.35 ng	485355	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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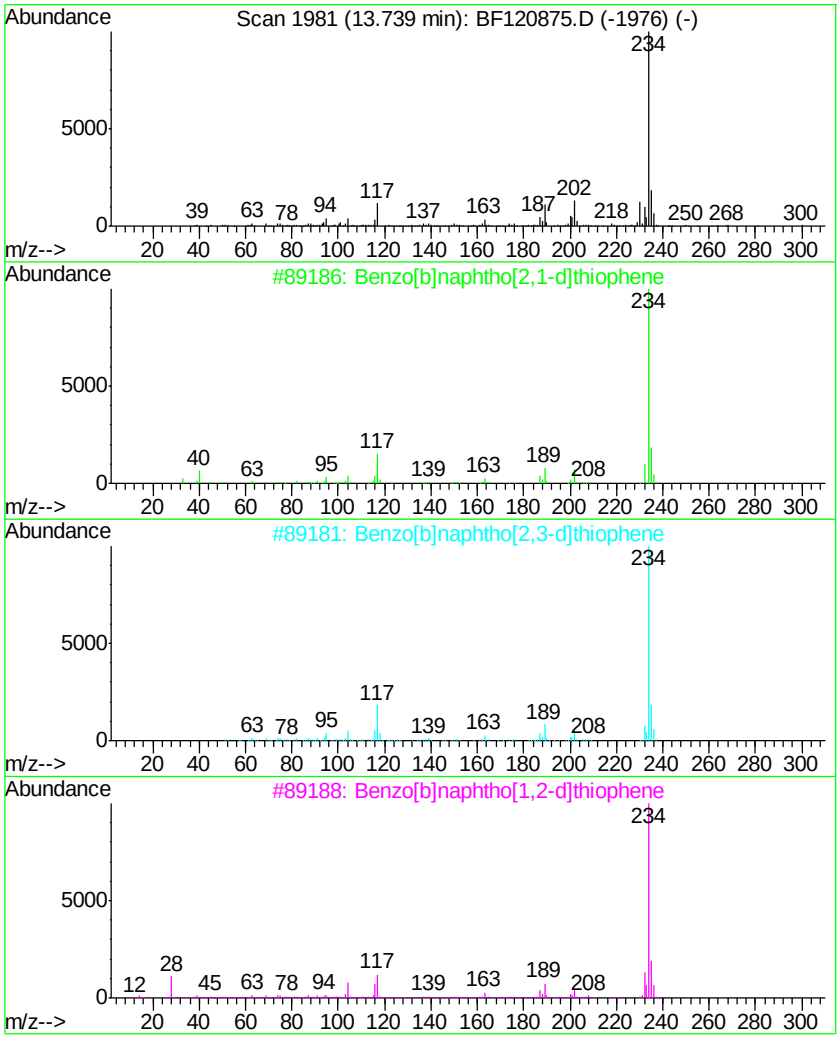
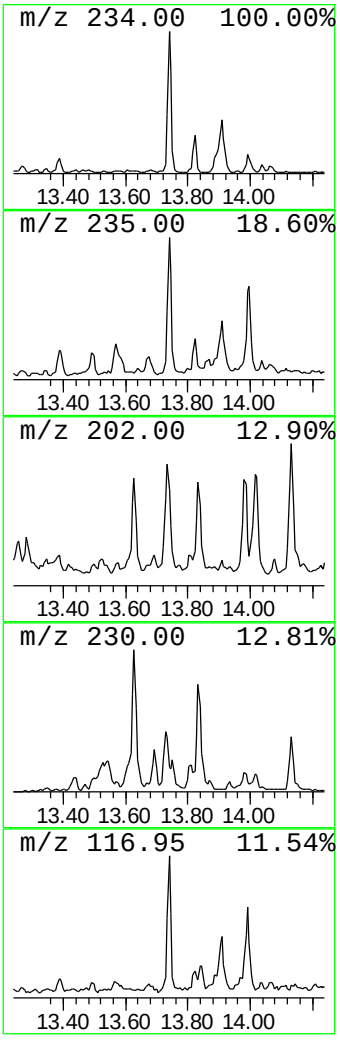
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	3.19 ng	462201	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	80
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	74





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Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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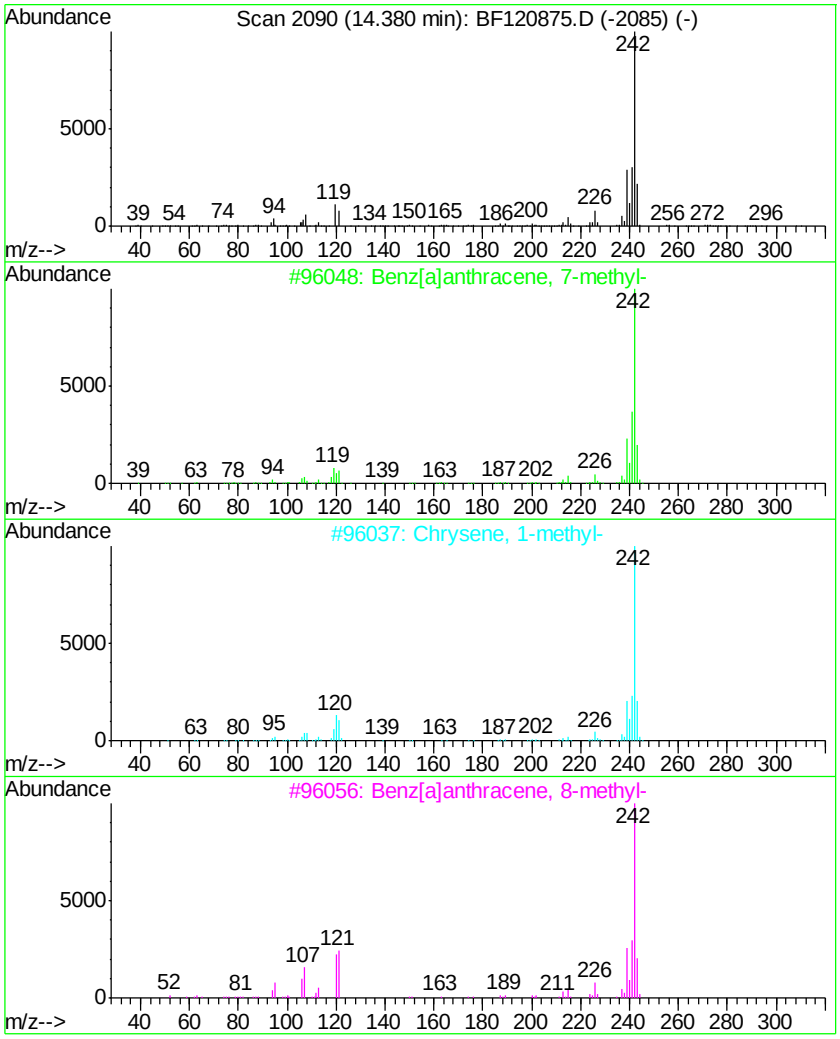
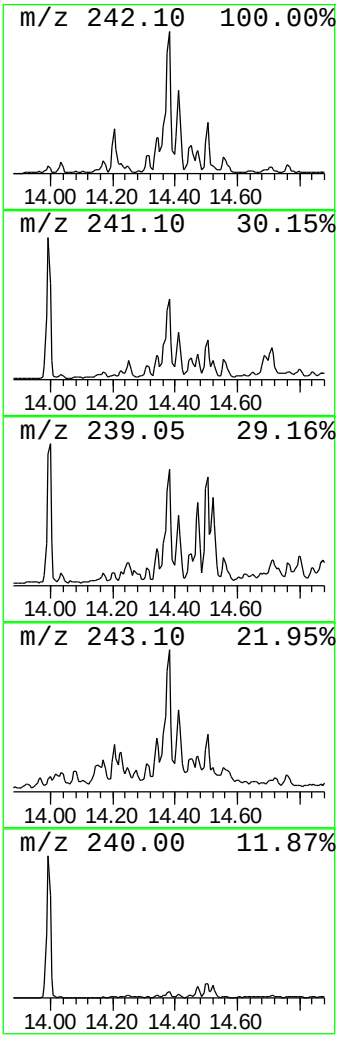
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	3.21 ng	465205	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
4	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	89
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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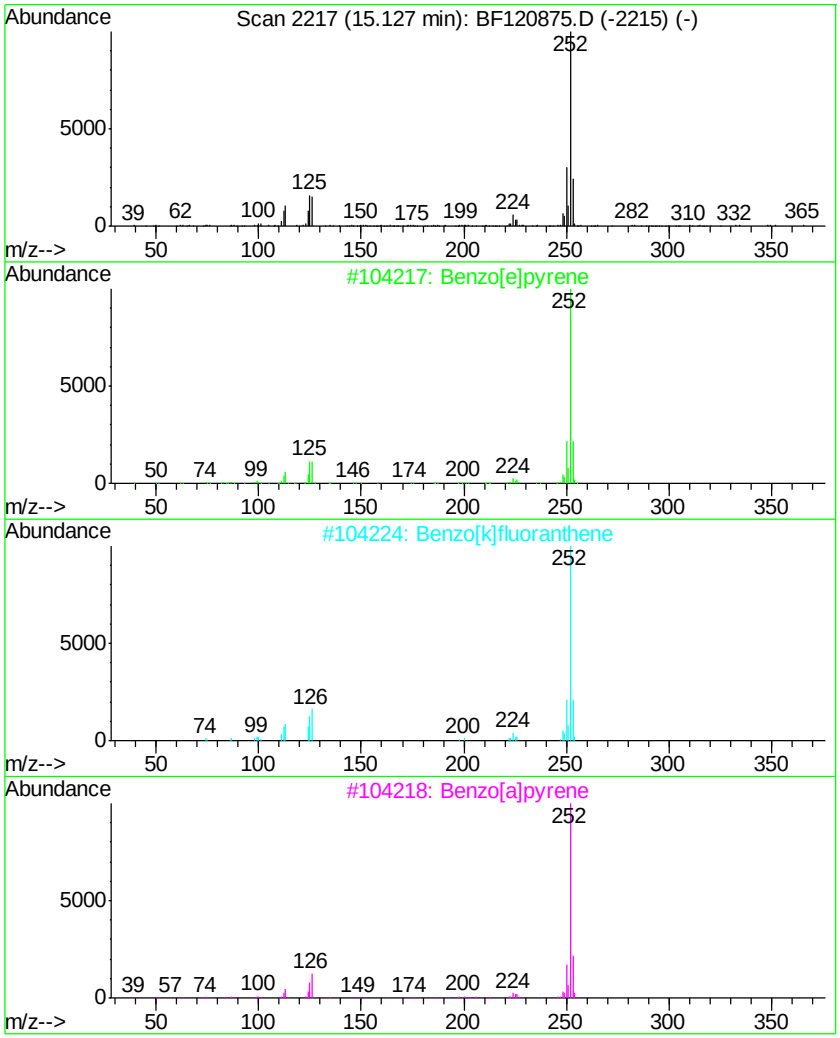
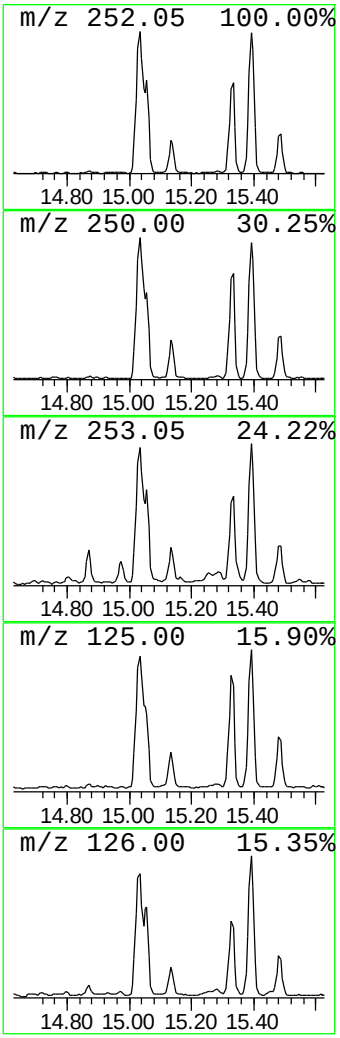
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	5.71 ng	368178	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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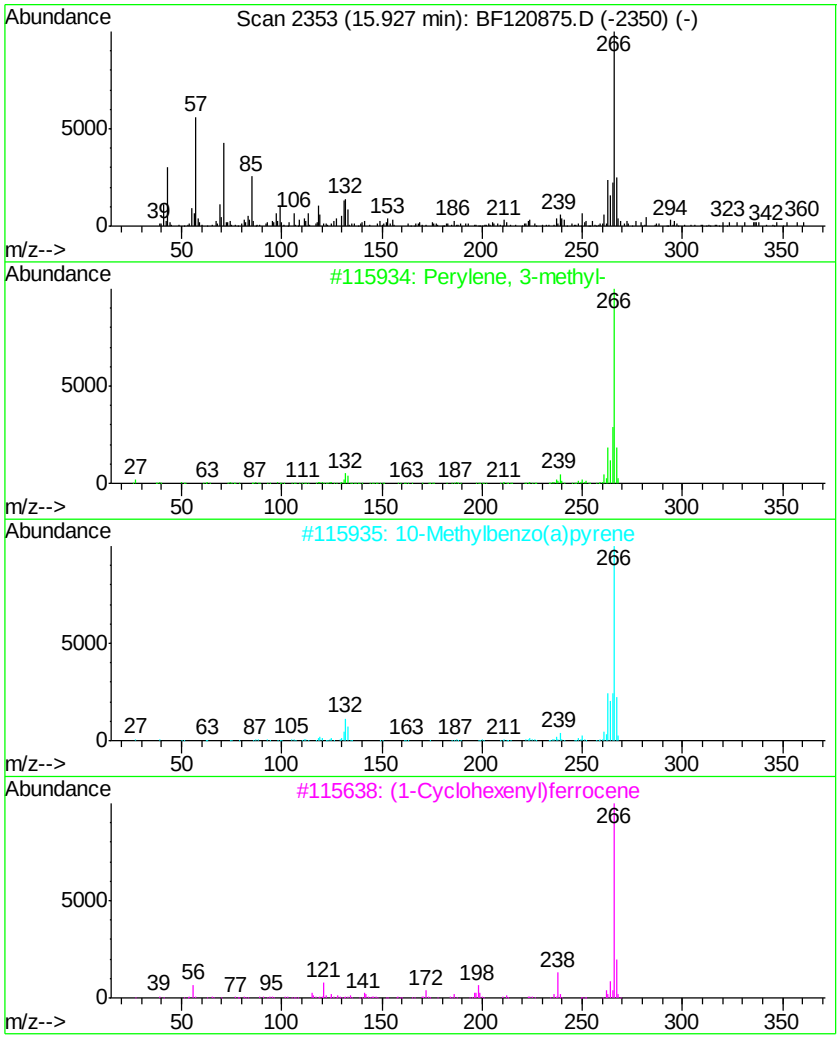
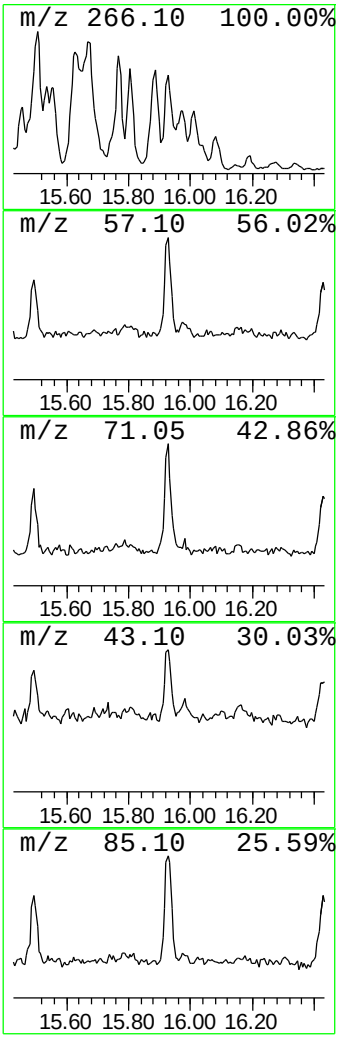
Peak Number 20 Perylene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.53 ng	163016	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	64
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	55
3	(1-Cyclohexenyl)ferrocene	266	C16H18Fe	033183-07-2	43
4	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	43
5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
Operator : JU/CG
Sample : L3183-06 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphtho[2,1-b]thi...	11.25	2.4	ng	160002	4	11.35	1340200	20.0
Phenanthrene, 2-m...	11.86	5.7	ng	379476	4	11.35	1340200	20.0
Phenanthrene, 1-m...	11.88	6.8	ng	454925	4	11.35	1340200	20.0
Anthracene, 2-met...	11.93	3.0	ng	204256	4	11.35	1340200	20.0
4H-Cyclopenta[def...	11.96	11.2	ng	752114	4	11.35	1340200	20.0
1H-Indene, 2-phenyl-	11.99	3.5	ng	234202	4	11.35	1340200	20.0
Naphthalene, 2-ph...	12.15	3.9	ng	259273	4	11.35	1340200	20.0
9,10-Anthracenedione	12.17	2.6	ng	172599	4	11.35	1340200	20.0
Phenanthrene, 3,6...	12.33	3.2	ng	212590	4	11.35	1340200	20.0
Phenanthrene, 2,5...	12.40	7.2	ng	481248	4	11.35	1340200	20.0
Phenanthrene, 2,7...	12.44	5.1	ng	344642	4	11.35	1340200	20.0
Cyclopenta(def)ph...	12.49	5.5	ng	367138	4	11.35	1340200	20.0
Pyrene, 1-methyl-	13.01	3.4	ng	491533	5	13.99	2895430	20.0
11H-Benzo[b]fluorene	13.12	3.5	ng	507439	5	13.99	2895430	20.0
Pyrene, 4-methyl-	13.23	3.4	ng	485355	5	13.99	2895430	20.0
Benzo[b]naphtho[2...	13.74	3.2	ng	462201	5	13.99	2895430	20.0
Benz[a]anthracene...	14.38	3.2	ng	465205	5	13.99	2895430	20.0
Benzo[e]pyrene	15.13	5.7	ng	368178	6	15.46	1289760	20.0
Perylene, 3-methyl-	15.93	2.5	ng	163016	6	15.46	1289760	20.0