LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

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-BF071620.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	5.404	560	564	580	rBV	1226899	1120253	32.42%	2.498%
2	6.428	734	738	751	rBV	1339206	1158711	33.53%	2.584%
3	6.622	769	771	777	rBV	45803	57153	1.65%	0.127%
4	6.792	797	800	804	rBV	938022	750436	21.71%	1.673%
5	7.351	891	895	903	rBV	831029	790728	22.88%	1.763%
6	8.075	1013	1018	1027	rBV	1106251	1051824	30.44%	2.345%
7	8.792	1137	1140	1143	rBV	42597	35057	1.01%	0.078%
8	8.886	1153	1156	1163	rVB	67084	60949	1.76%	0.136%
9	9.151	1197	1201	1205	rBV	1777247	1567507	45.36%	3.495%
10	9.422	1242	1247	1250	rBV	41194	55528	1.61%	0.124%
11	9.492	1256	1259	1261	rBV	89445	80205	2.32%	0.179%
12	9.545	1265	1268	1273	rVV2	271613	283477	8.20%	0.632%
13	9.610	1275	1279	1284	rBV	55490	65638	1.90%	0.146%
14	9.692	1290	1293	1297	rBV	332866	272510	7.89%	0.608%
15	9.833	1311	1317	1320	rBV	1429322	1191771	34.48%	2.657%
16	9.863	1320	1322	1326	rVB	116209	101964	2.95%	0.227%
17	9.939	1331	1335	1339	rBV2	38338	54656	1.58%	0.122%
18	9.992	1339	1344	1347	rBV3	28321	42858	1.24%	0.096%
19	10.039	1347	1352	1355	rVV	82843	97276	2.81%	0.217%
20	10.075	1355	1358	1361	rVB	64869	48358	1.40%	0.108%
21	10.151	1366	1371	1373	rBV2	81948	97646	2.83%	0.218%
22	10.239	1382	1386	1388	rBV2	44800	65372	1.89%	0.146%
23	10.257	1388	1389	1392	rVV2	41581	35670	1.03%	0.080%
24	10.286	1392	1394	1397	rVV	62347	45551	1.32%	0.102%
25	10.328	1398	1401	1403	rVV2	38549	40474	1.17%	0.090%
26	10.380	1407	1410	1416	rVB2	192473	209818	6.07%	0.468%
27	10.445	1416	1421	1423	rBV2	66275	84135	2.43%	0.188%
28	10.492	1426	1429	1432	rVV3	57962	56792	1.64%	0.127%
29	10.533	1433	1436	1440	rVB3	49196	52084	1.51%	0.116%
30	10.622	1445	1451	1455	rVV	1070252	951786	27.54%	2.122%
31	10.657	1455	1457	1463	rVB2	28907	47573	1.38%	0.106%
32	10.745	1468	1472	1479	rVB3	115276	136952	3.96%	0.305%
33	10.822	1482	1485	1487	rBV2	45788	42575	1.23%	0.095%
34	10.928	1499	1503	1506	rVV2	110938	140413	4.06%	0.313%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.957	1506	1508	1511	rVV2	97747	99199	2.87%	0.221%
36	11.010	1515	1517	1520	rVB2	78256	73863	2.14%	0.165%
37	11.080	1527	1529	1534	rVB3	68271	62289	1.80%	0.139%
38	11.128	1534	1537	1540	rVV2	70455	69562	2.01%	0.155%
39	11.169	1541	1544	1546	rVV	54504	66689	1.93%	0.149%
40	11.216	1549	1552	1557	rVB	164838	168254	4.87%	0.375%
41	11.322	1566	1570	1572	rBV	1440638	1253600	36.27%	2.795%
42	11.345	1572	1574	1577	rVV	1050947	787484	22.79%	1.756%
43	11.392	1579	1582	1585	rVB	453043	387012	11.20%	0.863%
44	11.427	1585	1588	1592	rBV2	112188	140718	4.07%	0.314%
45	11.551	1606	1609	1611	rBV2	75668	73629	2.13%	0.164%
46	11.616	1617	1620	1622	rVB	102829	70822	2.05%	0.158%
47	11.651	1623	1626	1631	rVB	142592	112972	3.27%	0.252%
48	11.733	1637	1640	1644	rVB	94837	100086	2.90%	0.223%
49	11.775	1645	1647	1651	rBV2	41851	51323	1.49%	0.114%
50	11.822	1652	1655	1657	rVV	400991	348387	10.08%	0.777%
51	11.851	1657	1660	1664	rVV	524474	547608	15.85%	1.221%
52	11.898	1665	1668	1670	rVV	227929	218538	6.32%	0.487%
53	11.933	1670	1674	1676	rVV	767814	791519	22.90%	1.765%
54	11.957	1676	1678	1682	rVB	327694	277971	8.04%	0.620%
55	12.022	1687	1689	1692	rVV3	61814	67194	1.94%	0.150%
56	12.057	1692	1695	1697	rVB2	90039	83567	2.42%	0.186%
57	12.116	1703	1705	1708	rBV	204199	178017	5.15%	0.397%
58	12.145	1708	1710	1716	rVB2	149207	164660	4.76%	0.367%
59	12.251	1725	1728	1729	rBV2	98941	93571	2.71%	0.209%
60	12.269	1729	1731	1733	rVV	134167	106683	3.09%	0.238%
61	12.298	1733	1736	1738	rVV	218155	183373	5.31%	0.409%
62	12.322	1738	1740	1743	rVB2	176597	137035	3.97%	0.306%
63	12.374	1745	1749	1752	rBV	450969	514728	14.89%	1.148%
64	12.410	1752	1755	1757	rVV	338225	370939	10.73%	0.827%
65	12.457	1761	1763	1768	rBV2	262012	359035	10.39%	0.801%
66	12.539	1772	1777	1780	rBV	2853681	2650265	76.69%	5.910%
67	12.580	1780	1784	1786	rBV	107409	100369	2.90%	0.224%
68	12.627	1790	1792	1797	rBV2	127262	180499	5.22%	0.402%
69	12.686	1799	1802	1806	rVV3	159172	168499	4.88%	0.376%
70	12.769	1810	1816	1821	rBV	2772784	3455924	100.00%	7.706%
71	12.822	1821	1825	1829	rVB3	231054	285355	8.26%	0.636%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.880	1832	1835	1836	rBV2	193751	170729	4.94%	0.381%
73	12.910	1836	1840	1846	rVB	1630367	1828006	52.89%	4.076%
74	12.980	1848	1852	1856	rBV3	352130	531886	15.39%	1.186%
75	13.039	1859	1862	1864	rBV	126344	110870	3.21%	0.247%
76	13.069	1864	1867	1868	rBV2	317035	301154	8.71%	0.672%
77	13.092	1868	1871	1874	rVB	674003	694854	20.11%	1.549%
78	13.157	1874	1882	1885	rBV	539642	708198	20.49%	1.579%
79	13.198	1885	1889	1892	rBV2	570845	575851	16.66%	1.284%
80	13.292	1902	1905	1907	rVB	353129	313995	9.09%	0.700%
81	13.321	1907	1910	1913	rBV	398766	359310	10.40%	0.801%
82	13.604	1955	1958	1962	rVB	236817	290954	8.42%	0.649%
83	13.663	1966	1968	1970	rVB	105682	79213	2.29%	0.177%
84	13.710	1972	1976	1979	rBV3	311578	425287	12.31%	0.948%
85	13.739	1979	1981	1983	rVB	255946	179234	5.19%	0.400%
86	13.763	1983	1985	1991	rBV3	223252	260556	7.54%	0.581%
87	13.810	1991	1993	1997	rBV	174470	201073	5.82%	0.448%
88	13.957	2014	2018	2022	rBV2	1749629	2723839	78.82%	6.074%
89	13.992	2022	2024	2029	rVB	1471671	1237788	35.82%	2.760%
90	14.068	2035	2037	2039	rVB	212910	146641	4.24%	0.327%
91	14.351	2082	2085	2088	rVB	441157	368939	10.68%	0.823%
92	14.386	2088	2091	2094	rVB	233349	198291	5.74%	0.442%
93	14.474	2103	2106	2108	rBV2	289248	264789	7.66%	0.590%
94	14.739	2148	2151	2153	rBV	226361	229973	6.65%	0.513%
95	15.004	2191	2196	2199	rBV	1186827	2093769	60.58%	4.669%
96	15.104	2210	2213	2216	rVB	280293	258615	7.48%	0.577%
97	15.298	2242	2246	2252	rVB	726515	1035848	29.97%	2.310%
98	15.363	2252	2257	2262	rBV	1241671	1535049	44.42%	3.423%
99	15.421	2263	2267	2270	rBV	758841	1045247	30.25%	2.331%
100	16.862	2507	2512	2519	rVB2	509964	982394	28.43%	2.191%

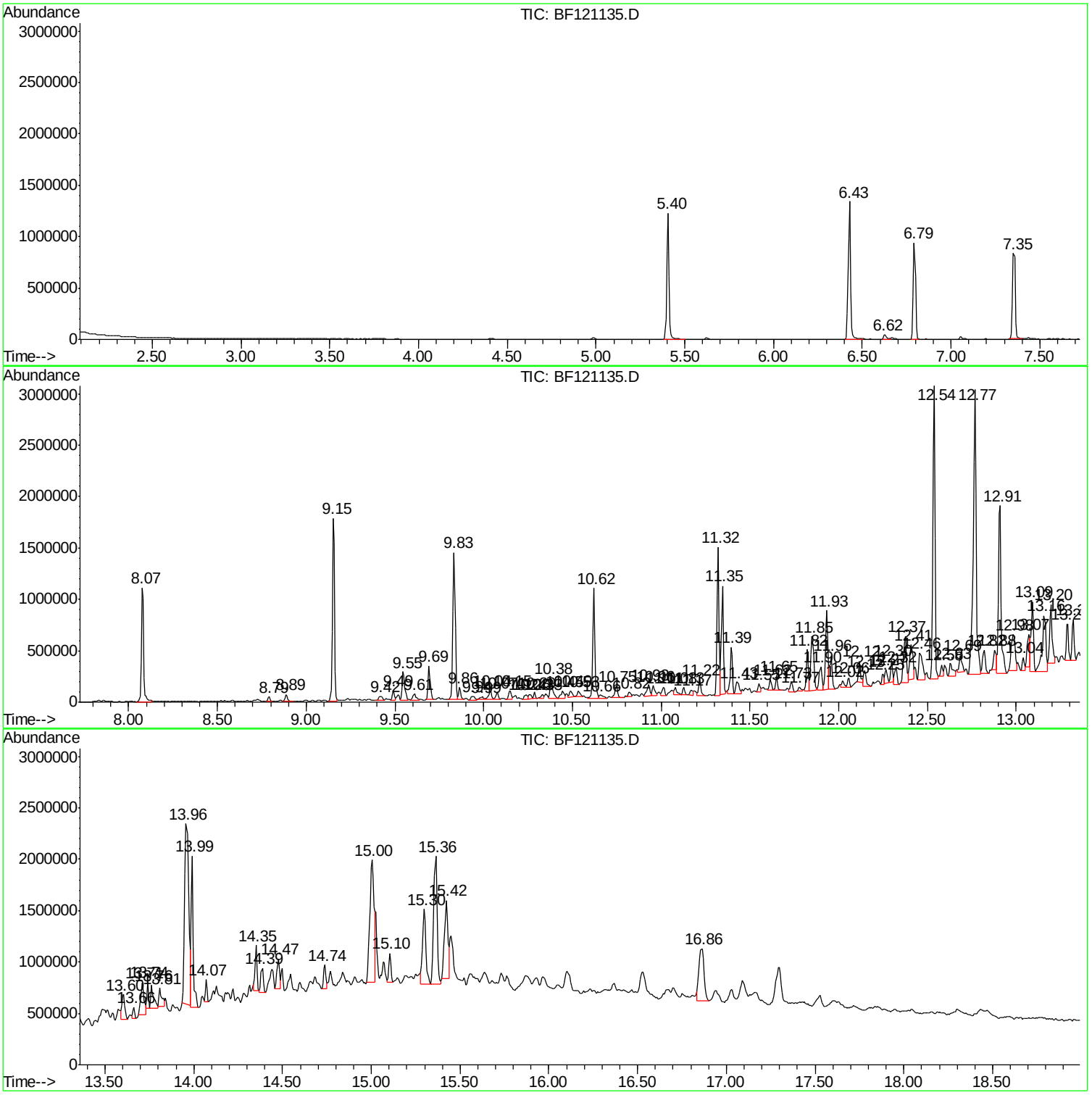
Sum of corrected areas: 44847290

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

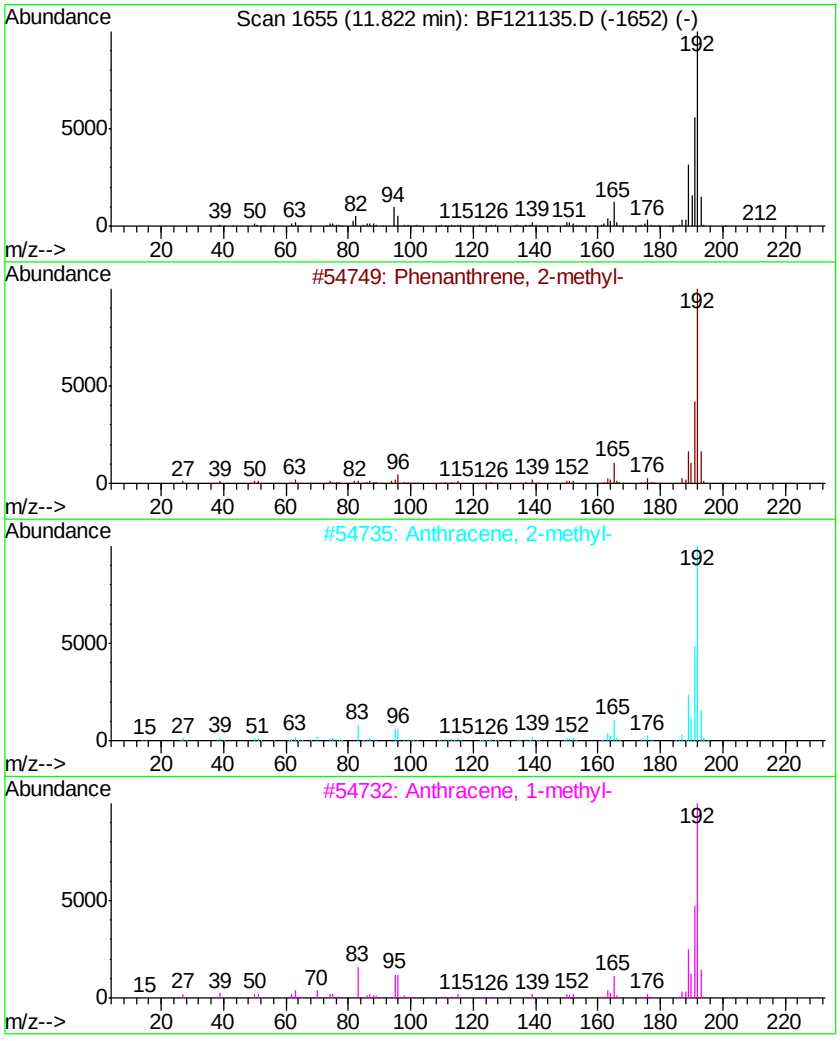
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

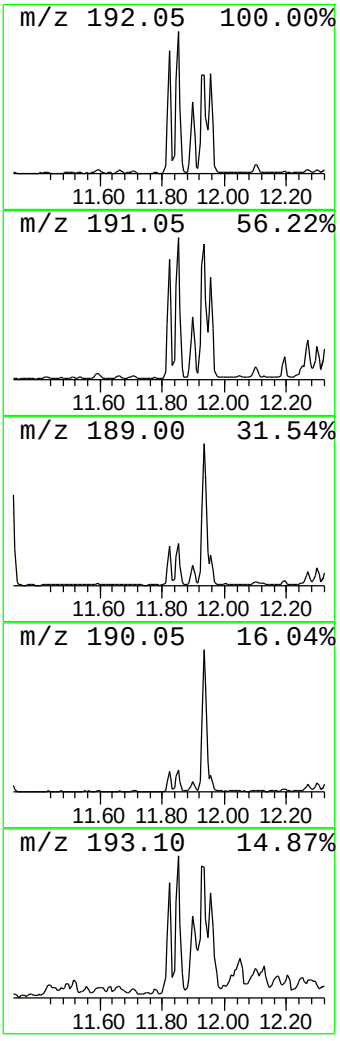
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	5.56 ng	348387	Phenanthrene-d10	11.32

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

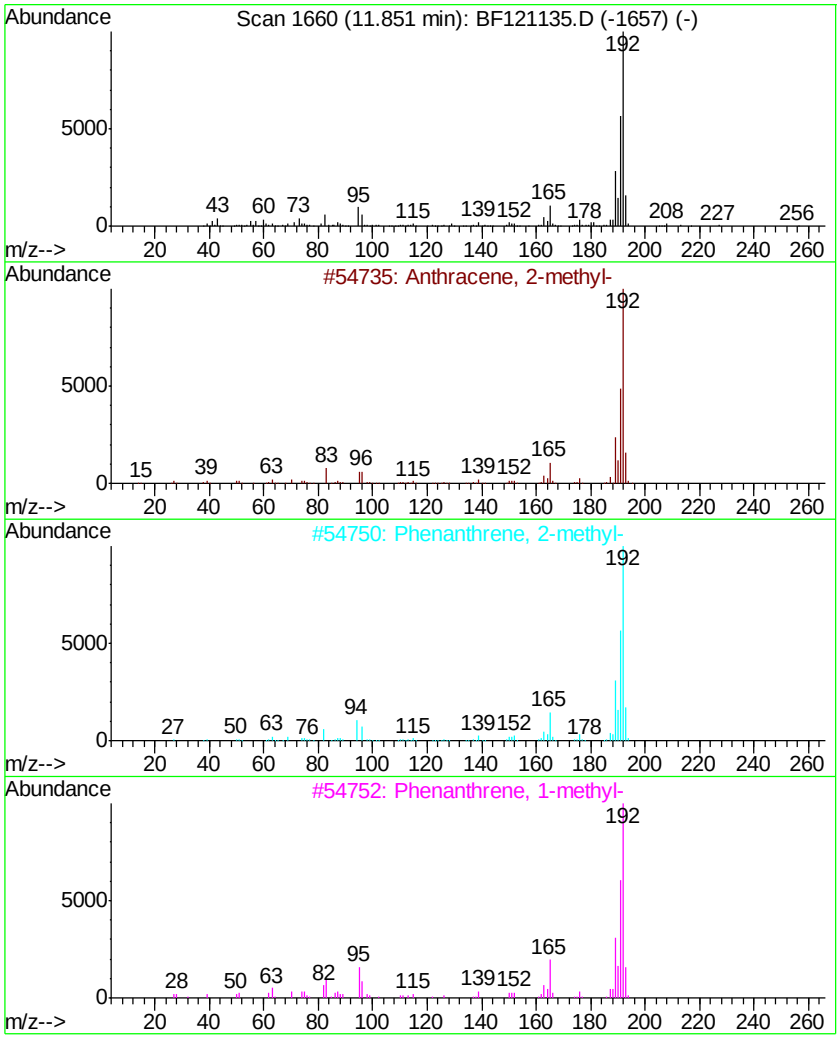
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

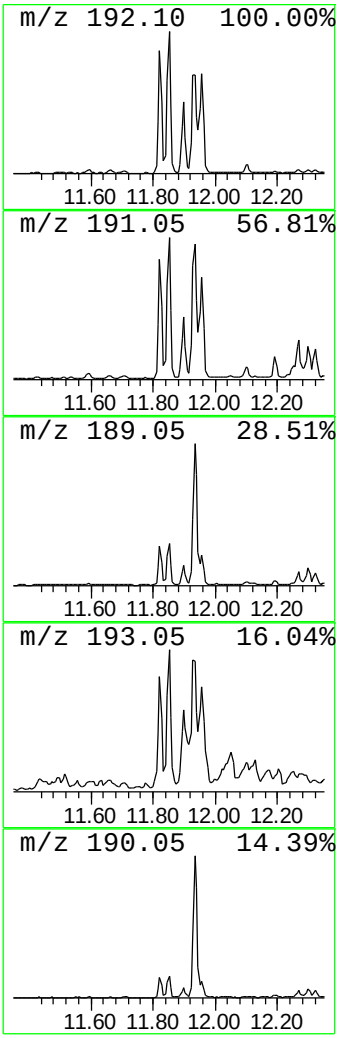
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	8.74 ng	547608	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

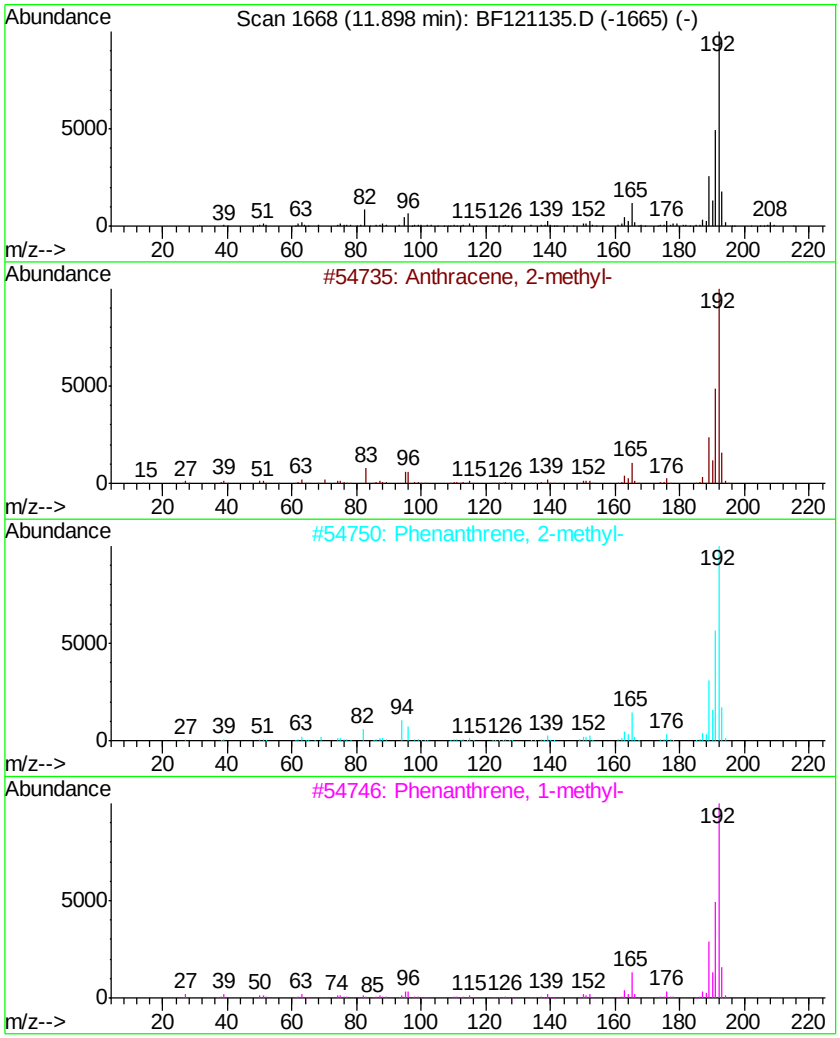
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

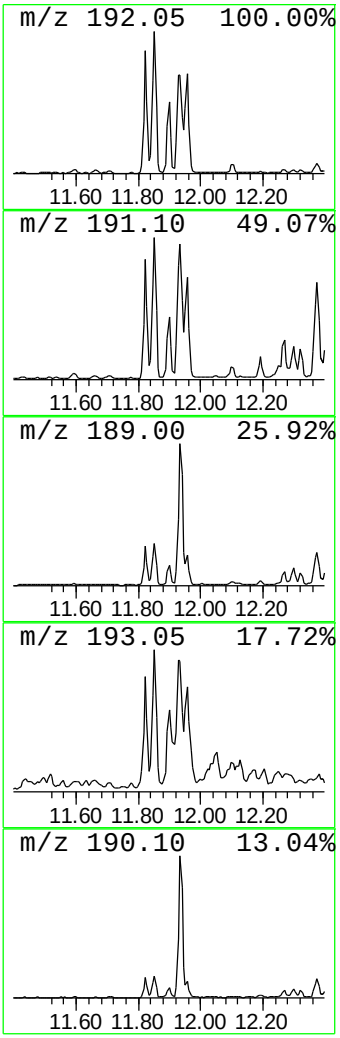
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.49 ng	218538	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

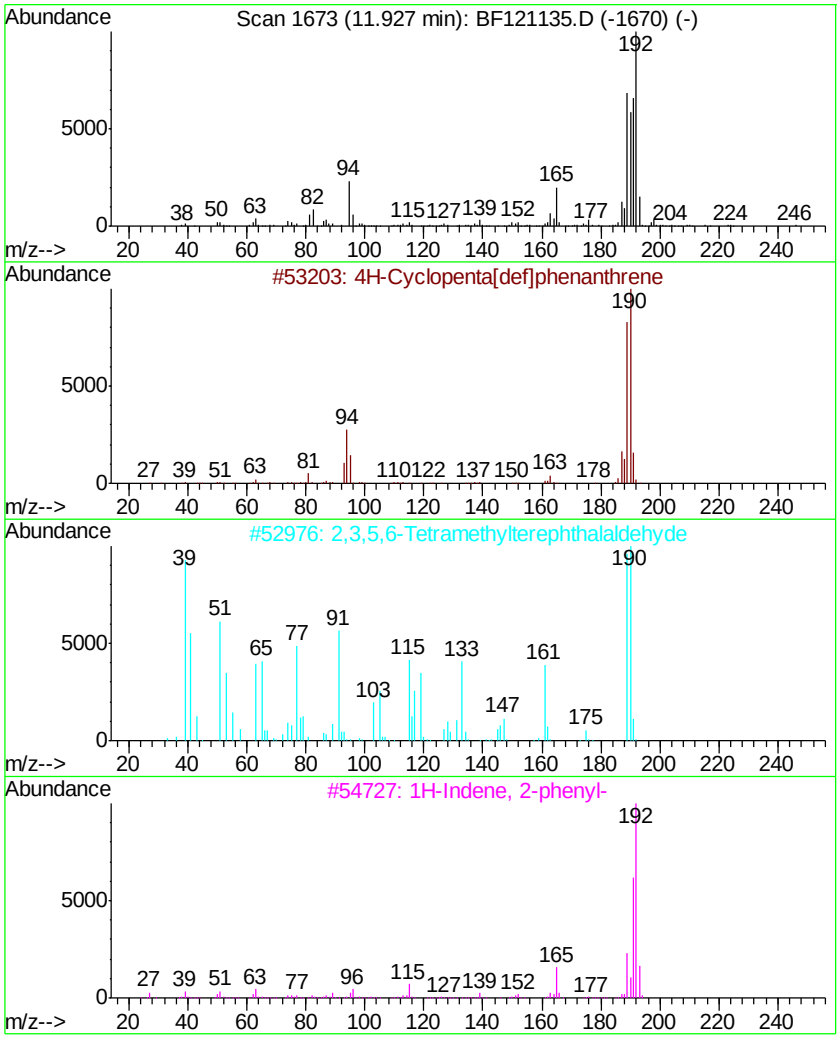
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

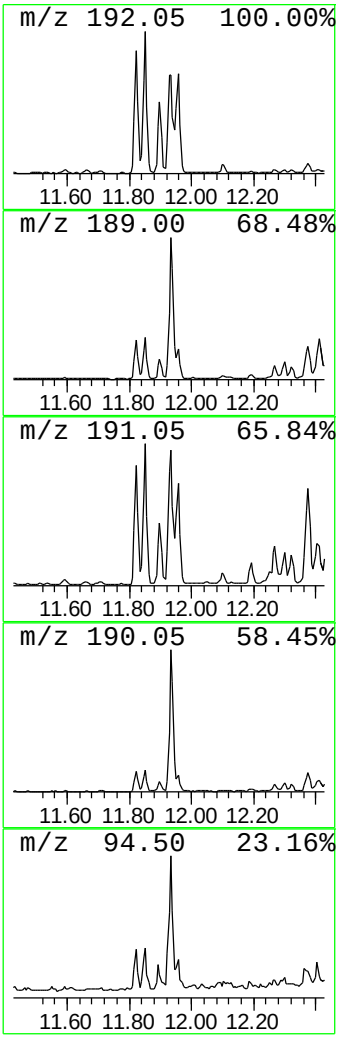
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	12.63 ng	791519	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

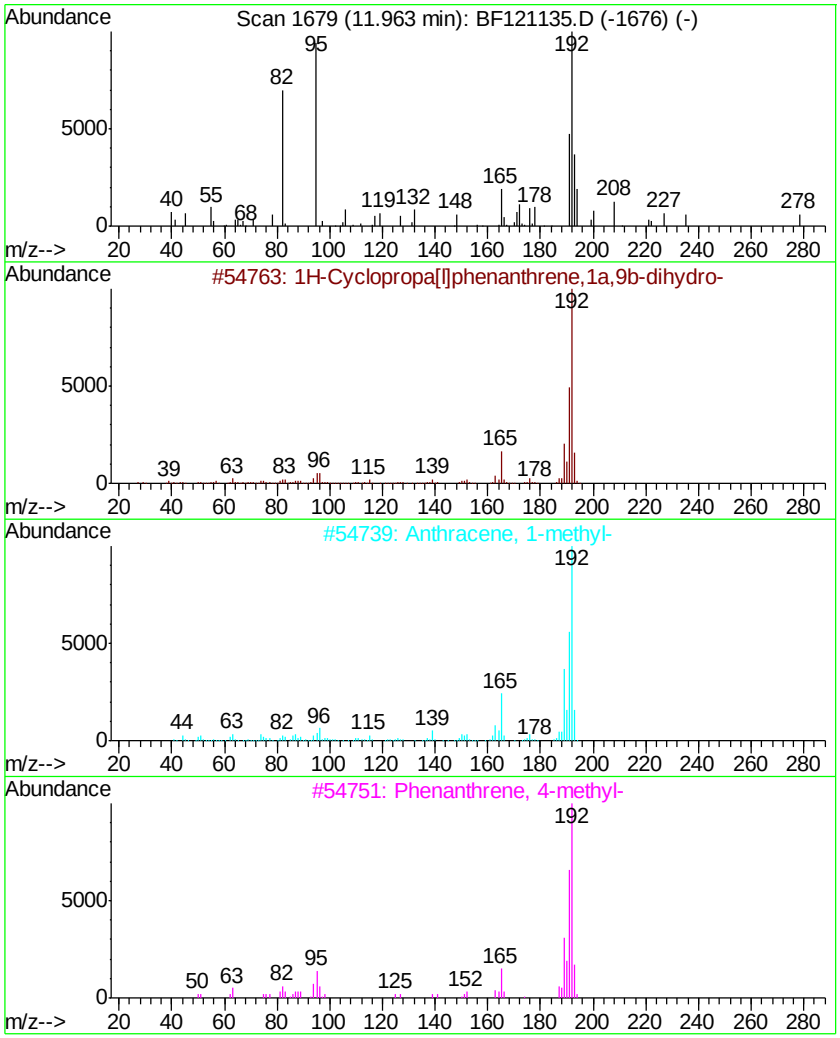
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

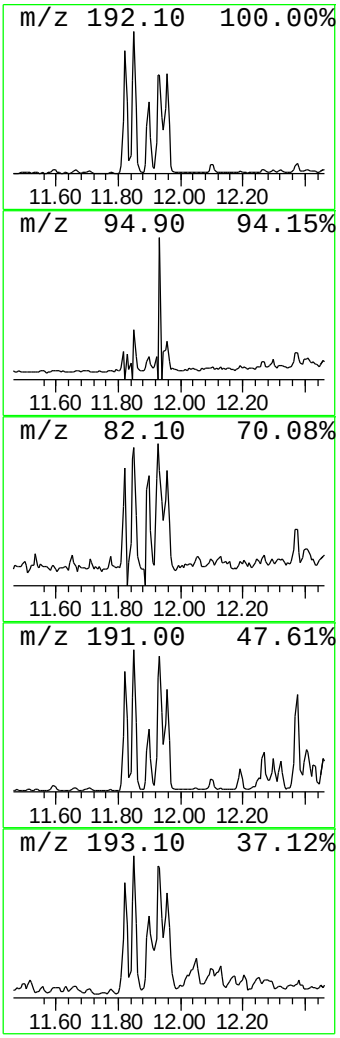
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.43 ng	277971	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

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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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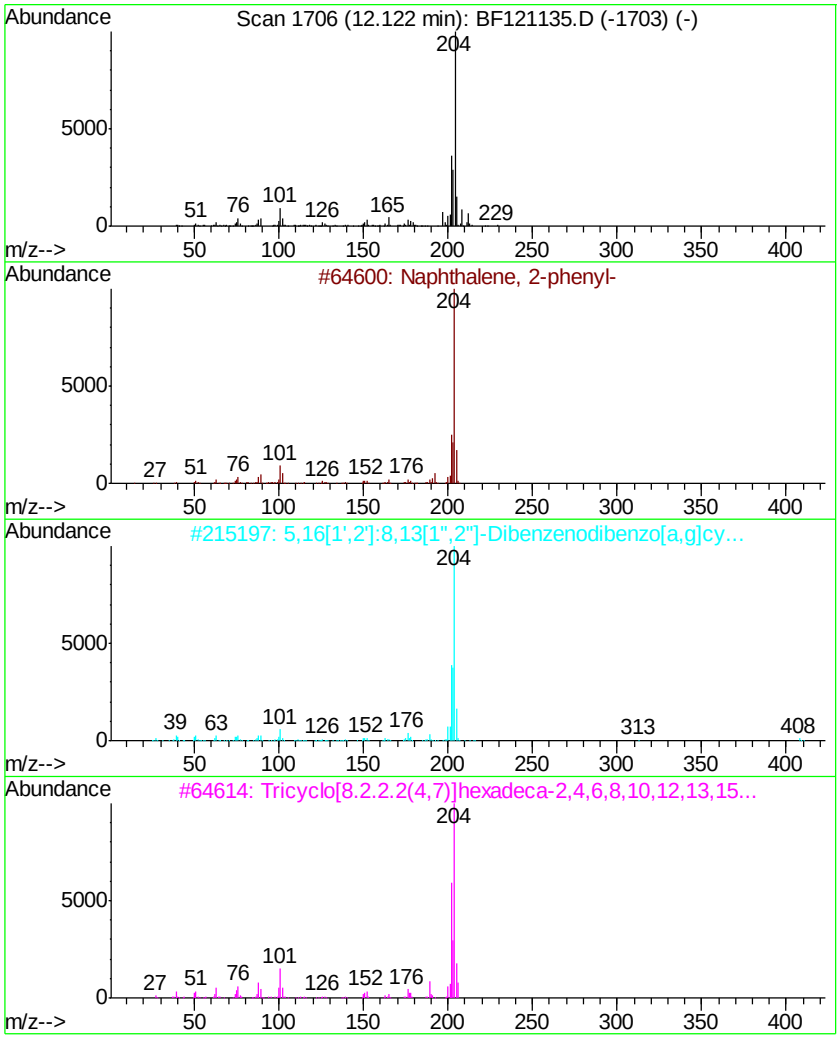
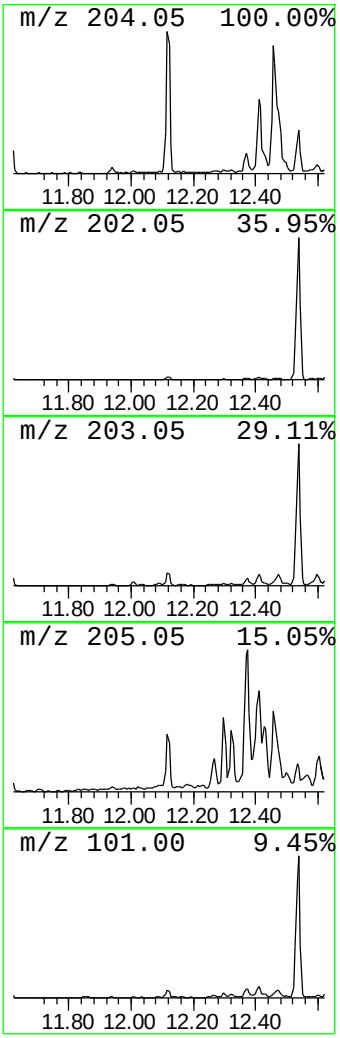
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.84 ng	178017	Phenanthrene-d10	11.32

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	59
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

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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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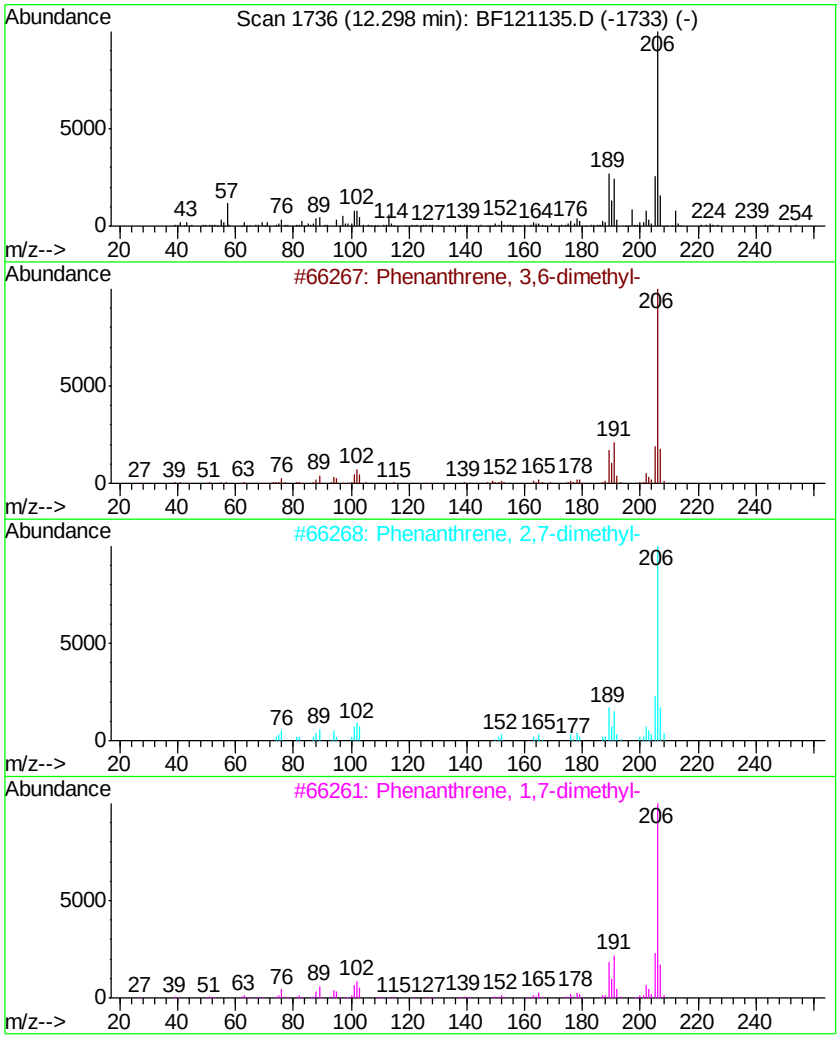
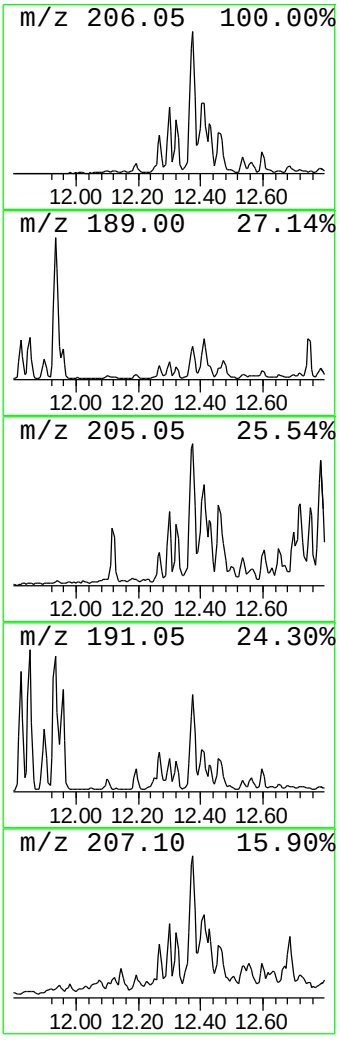
Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.93 ng	183373	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	68
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	64





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Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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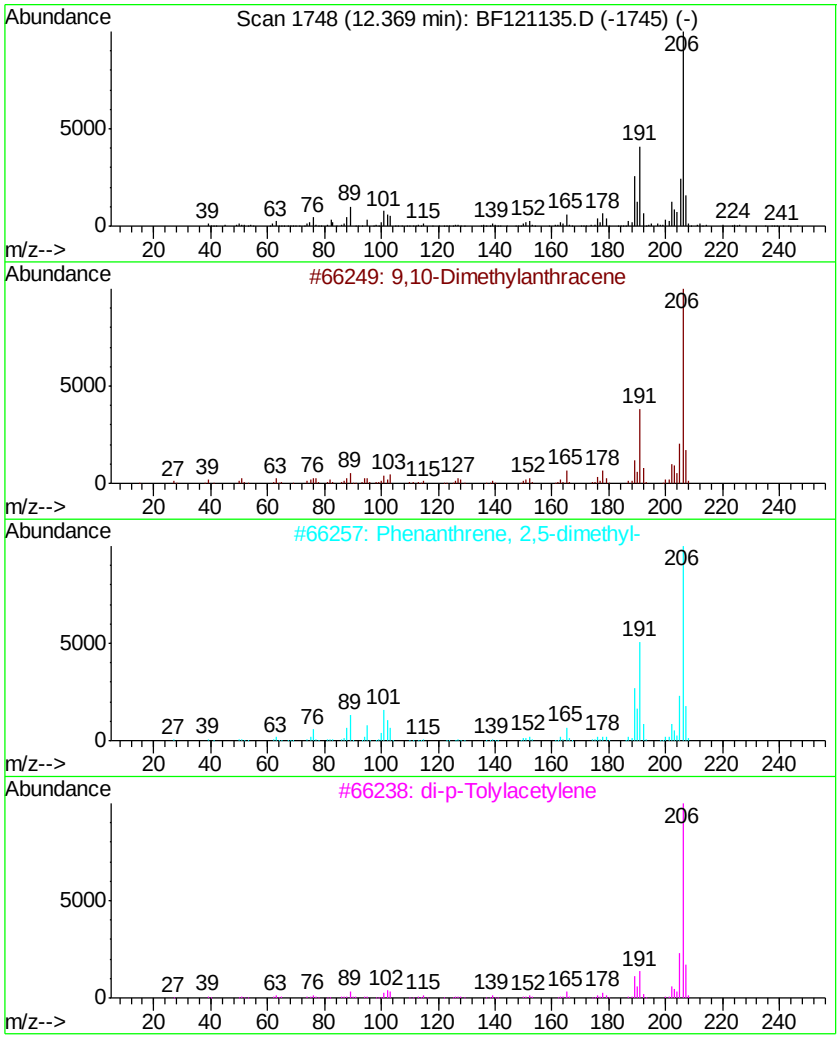
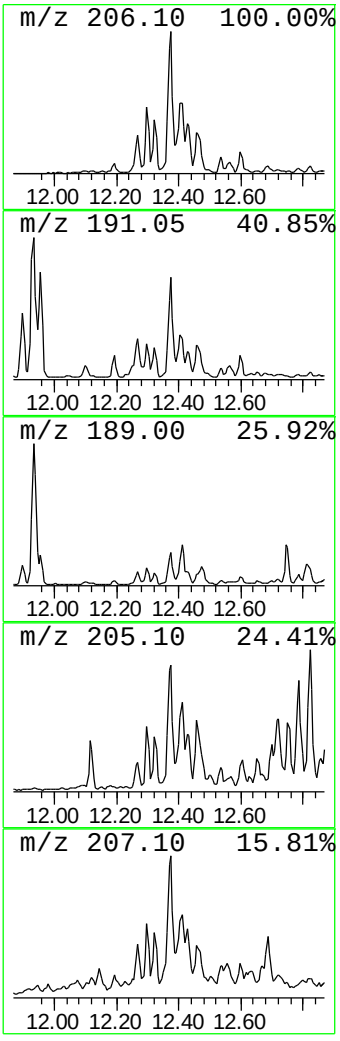
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	8.21 ng	514728	Phenanthrene-d10	11.32

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	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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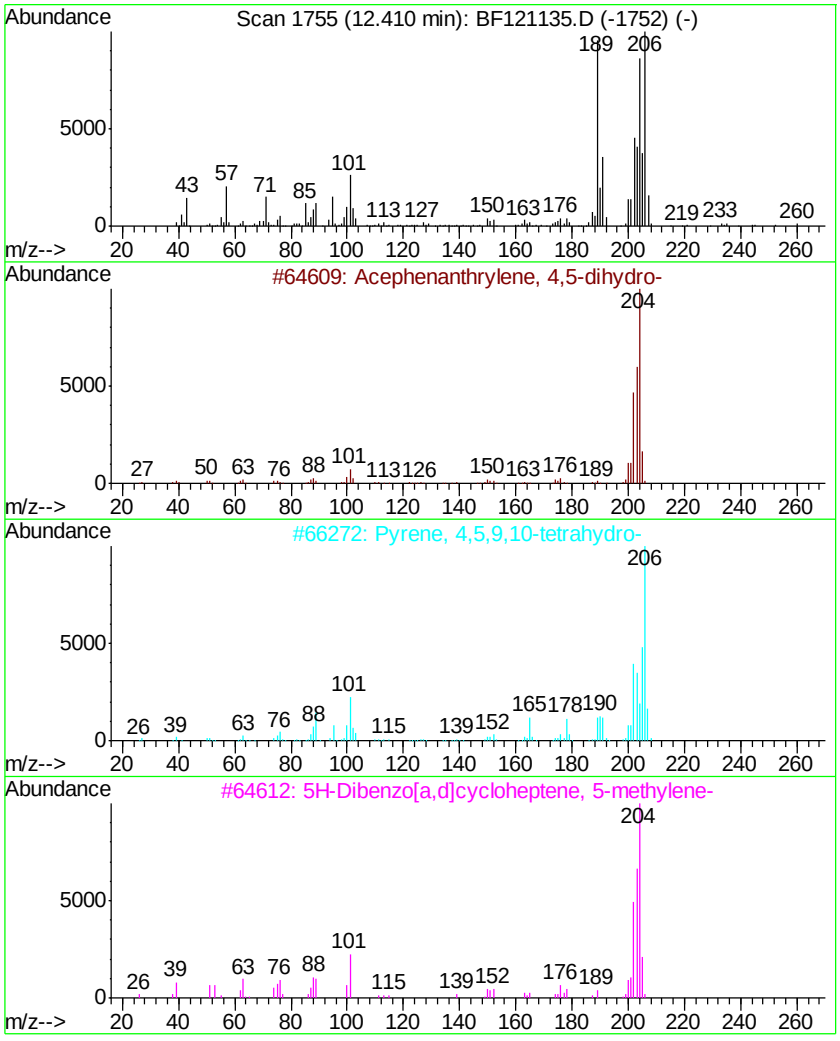
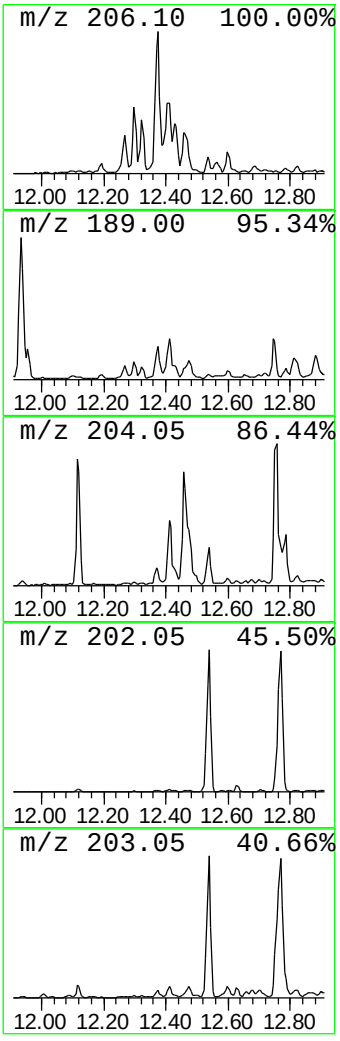
Peak Number 9 Acephenanthrylene, 4,5-dihy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	5.92 ng	370939	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	76
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	51
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38





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Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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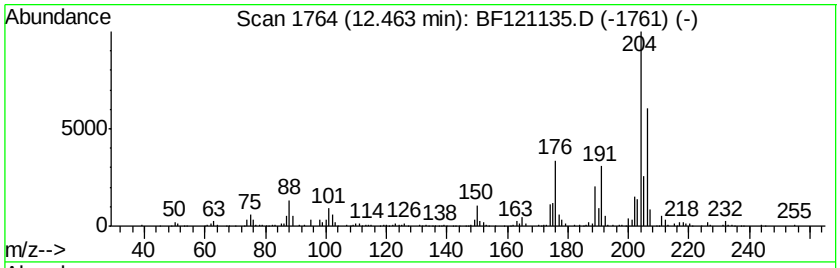
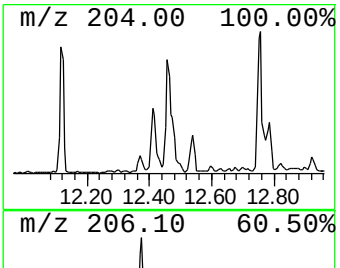
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.73 ng	359035	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





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Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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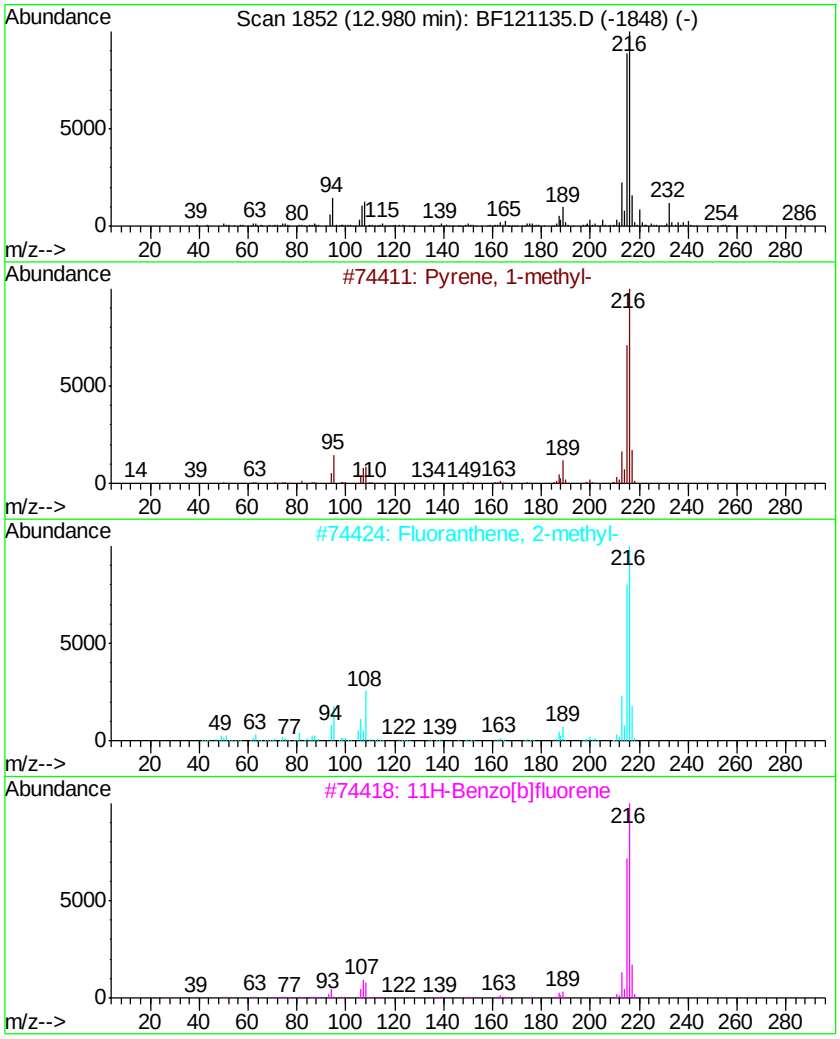
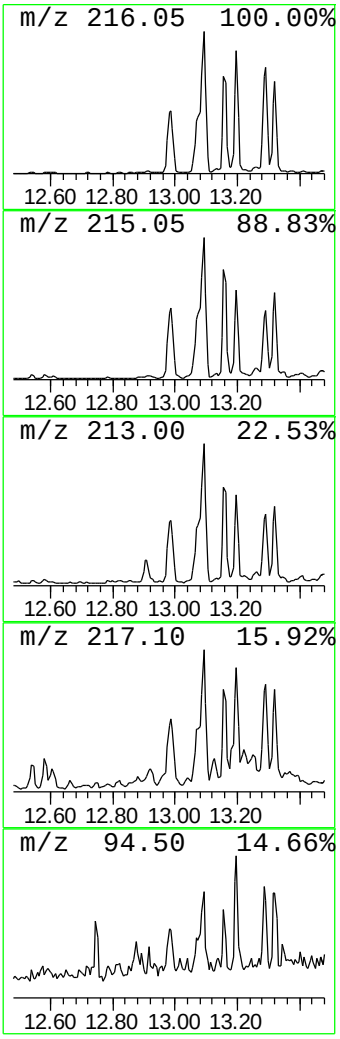
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	3.91 ng	531886	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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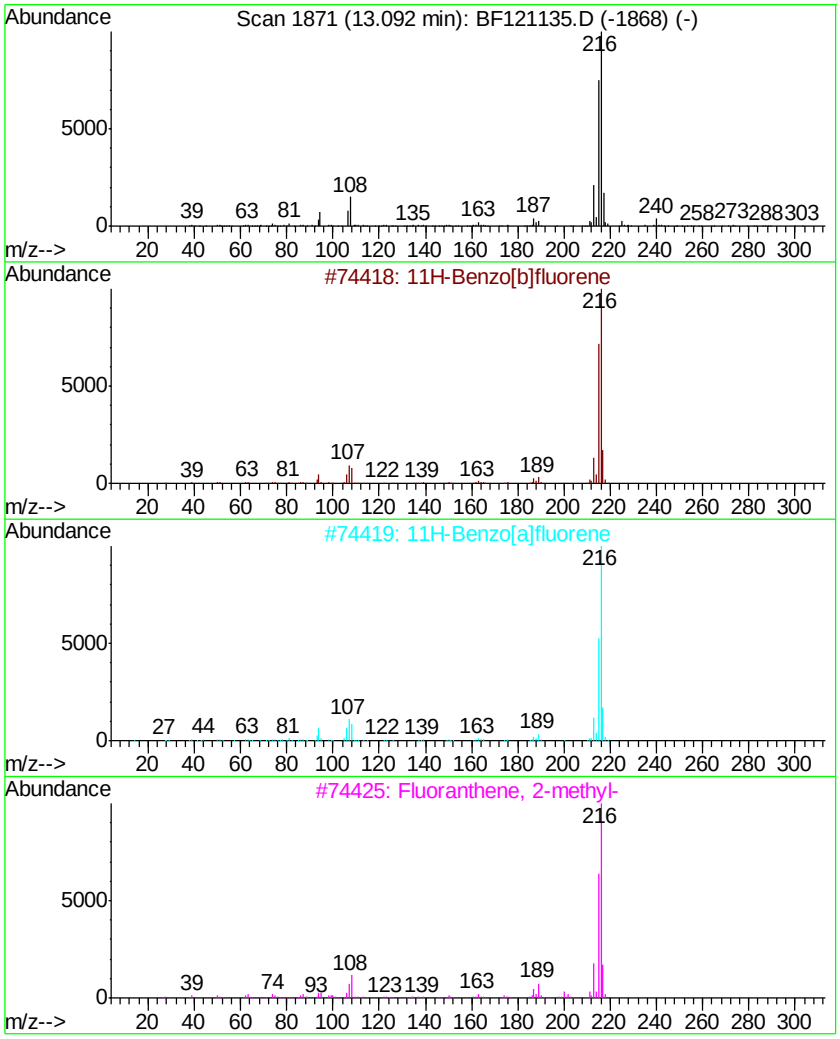
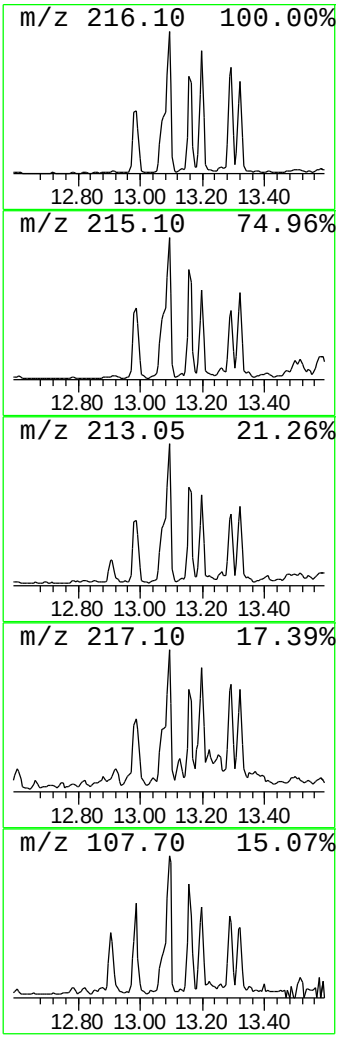
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	5.10 ng	694854	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

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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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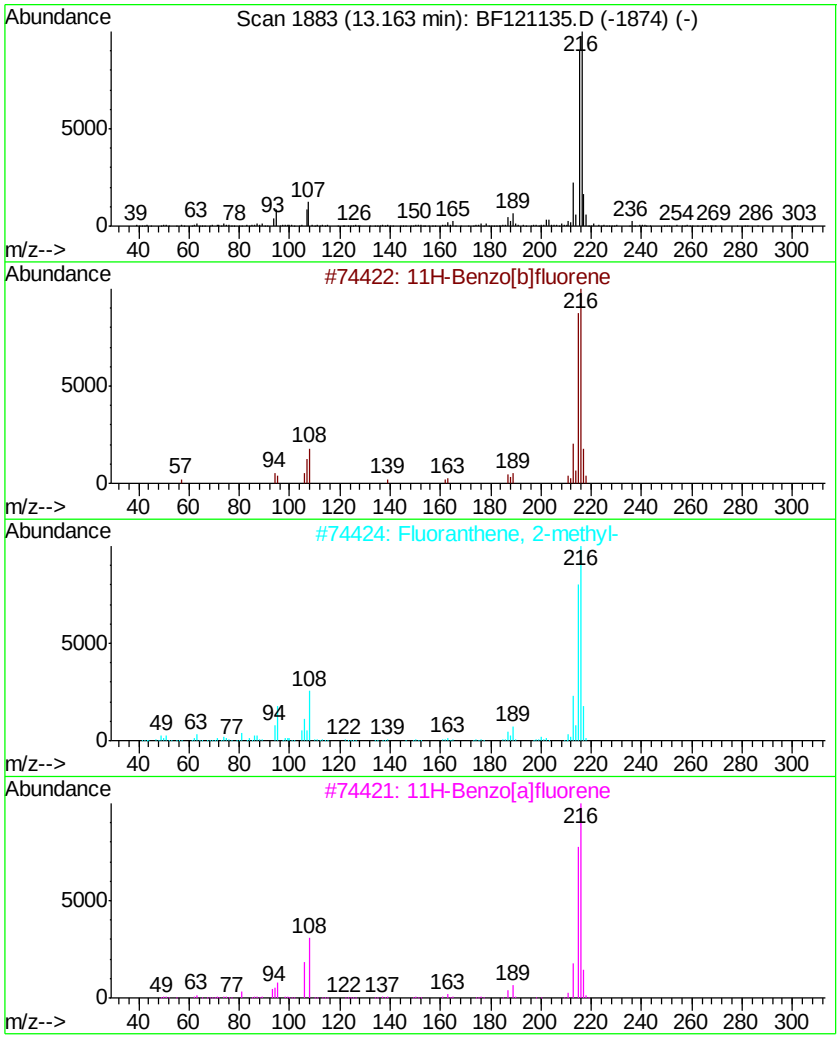
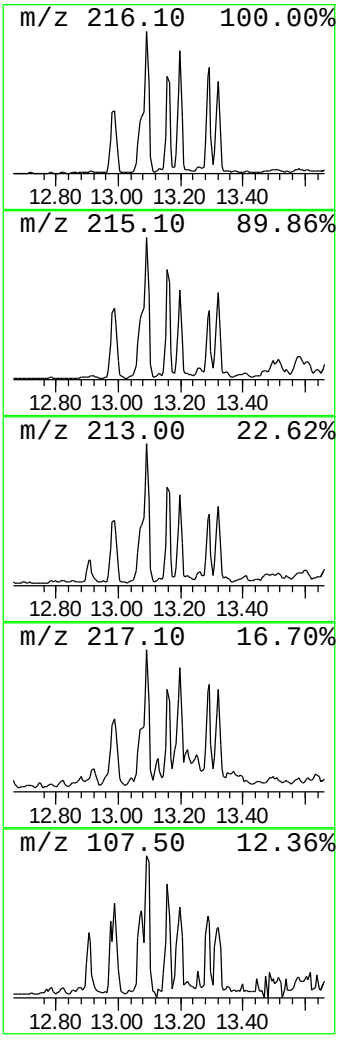
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	5.20 ng	708198	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

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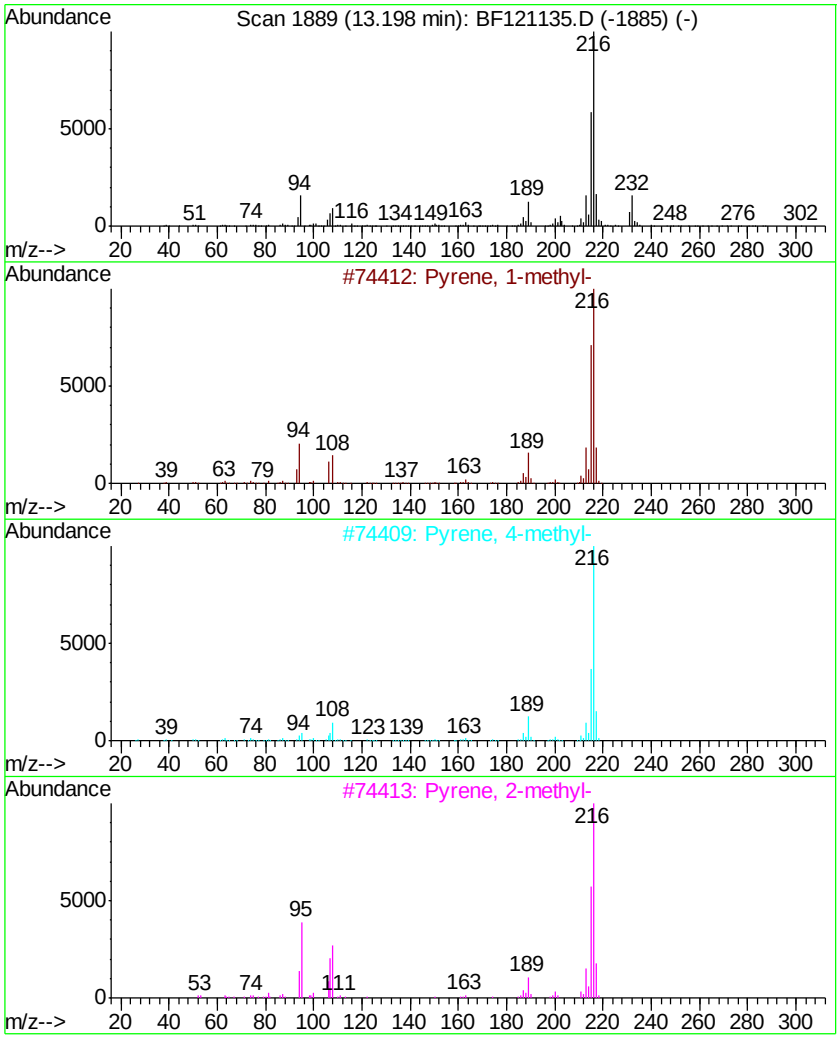
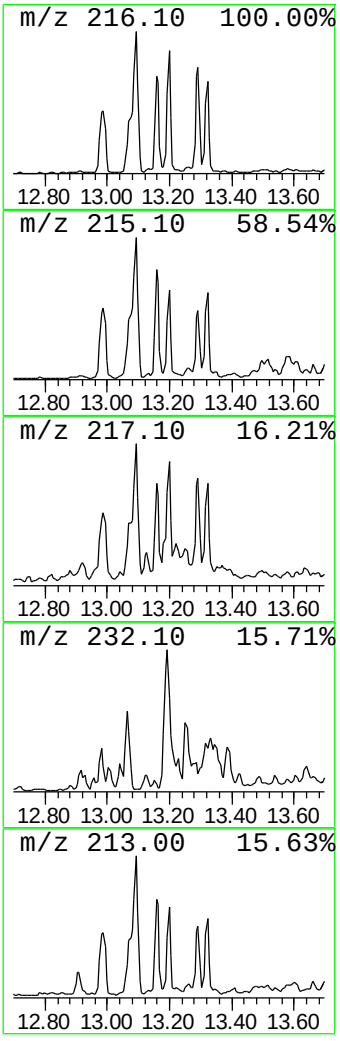
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	4.23 ng	575851	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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Misc :
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Instrument : BNA_F
ClientSampleId : OK-02-072820

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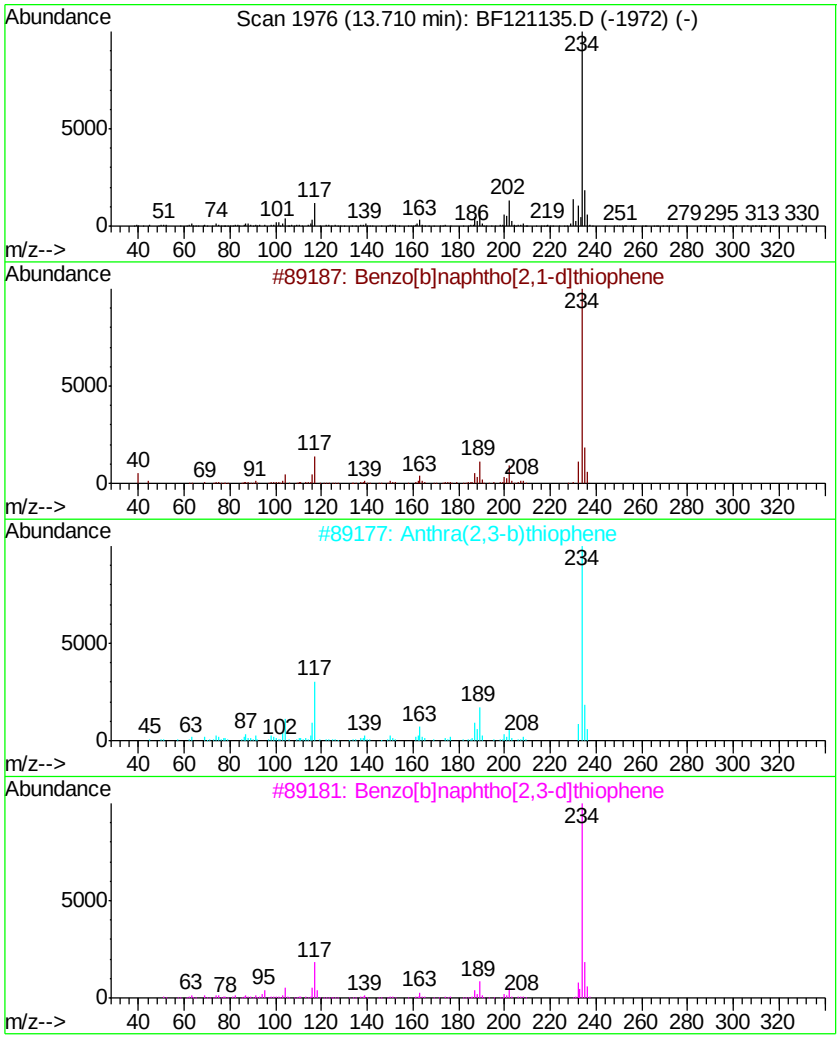
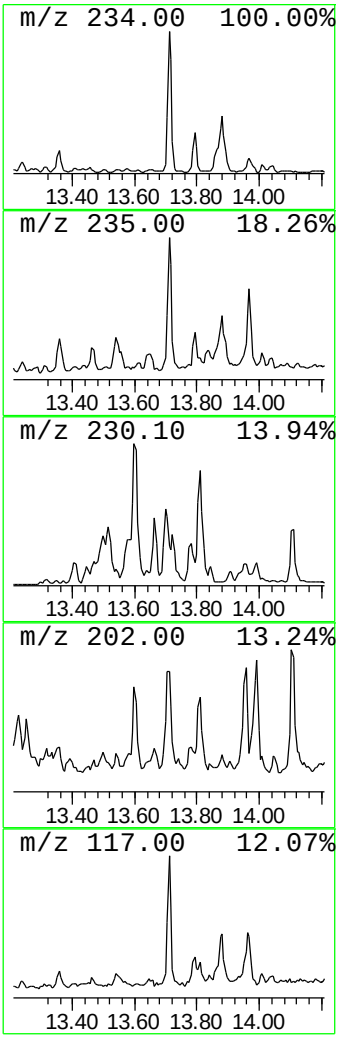
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	3.12 ng	425287	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	89
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59





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Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : OK-02-072820

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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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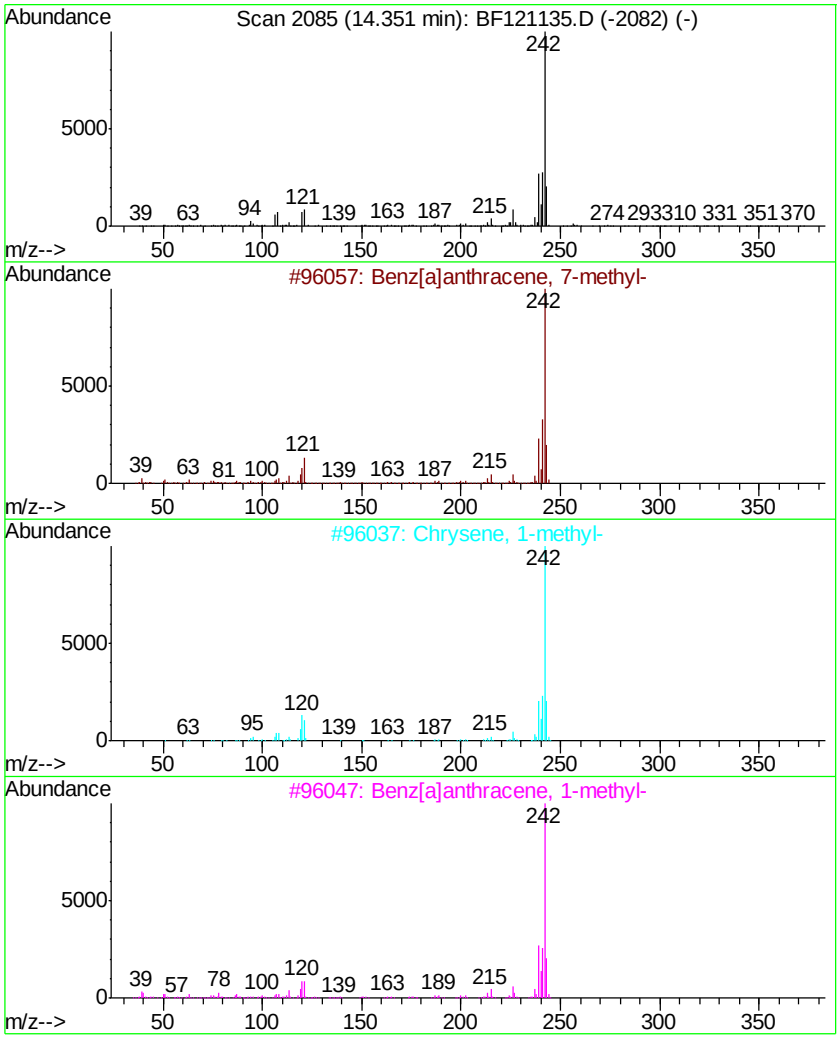
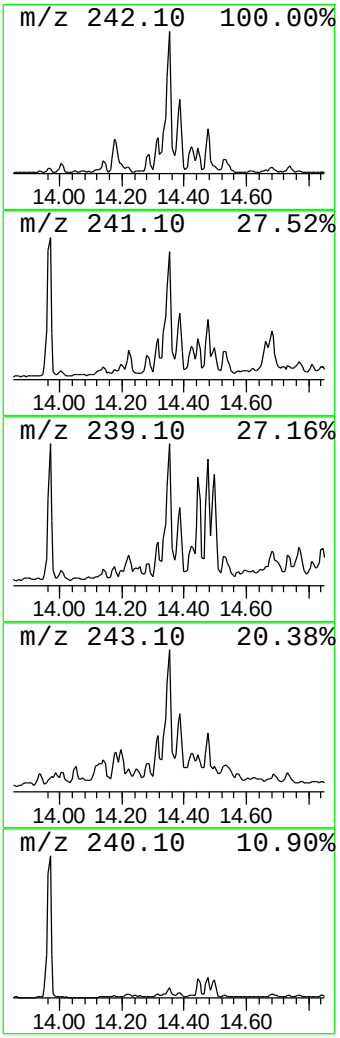
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	2.71 ng	368939	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	90
4	2-Methylchrysene	242	C19H14	003351-32-4	87
5	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	83





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Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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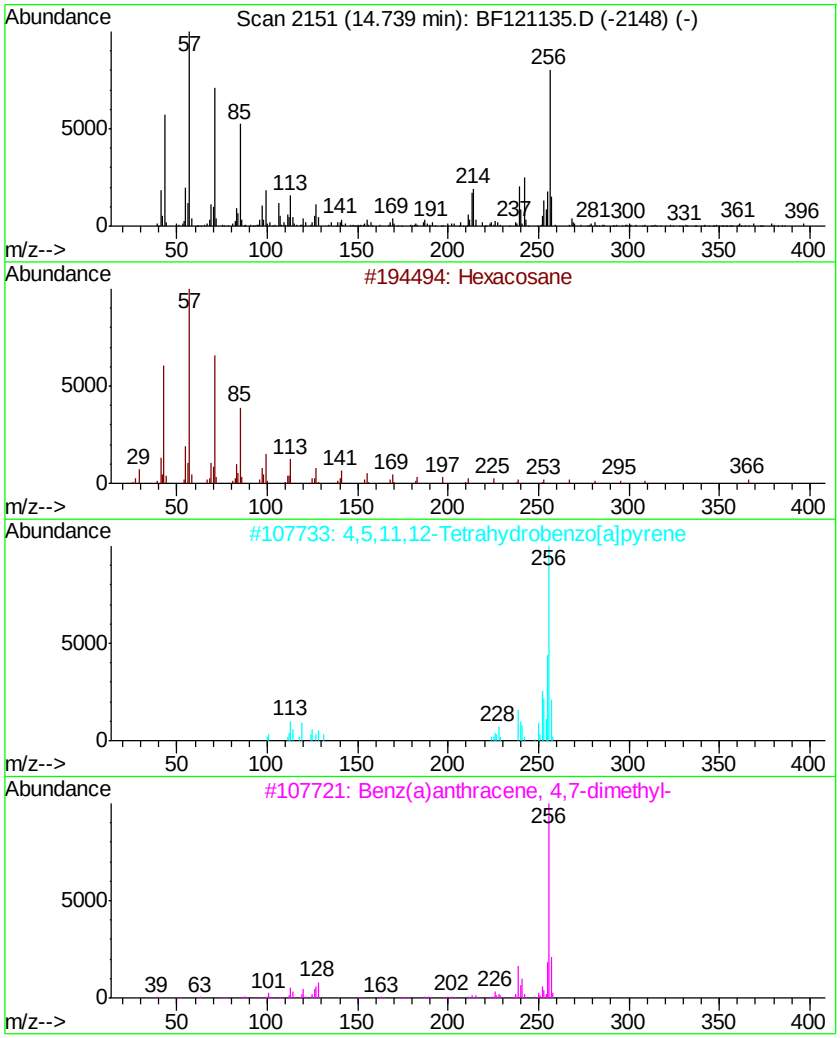
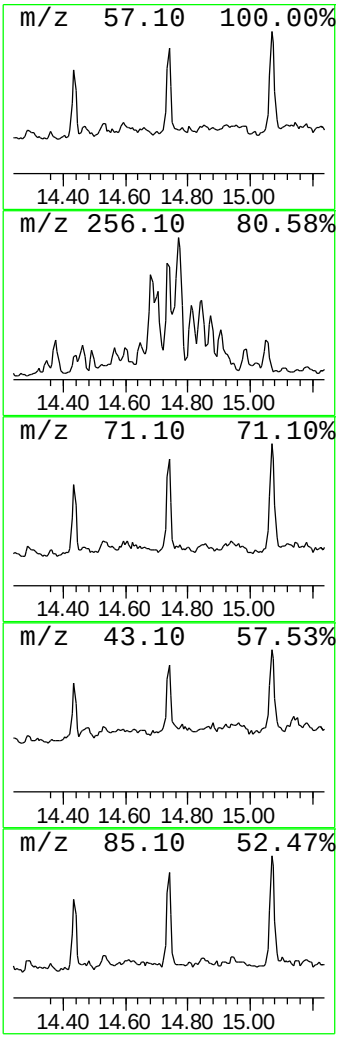
Peak Number 18 Hexacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	4.40 ng	229973	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	49
2	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	49
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	46
4	Octadecane	254	C18H38	000593-45-3	45
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	44





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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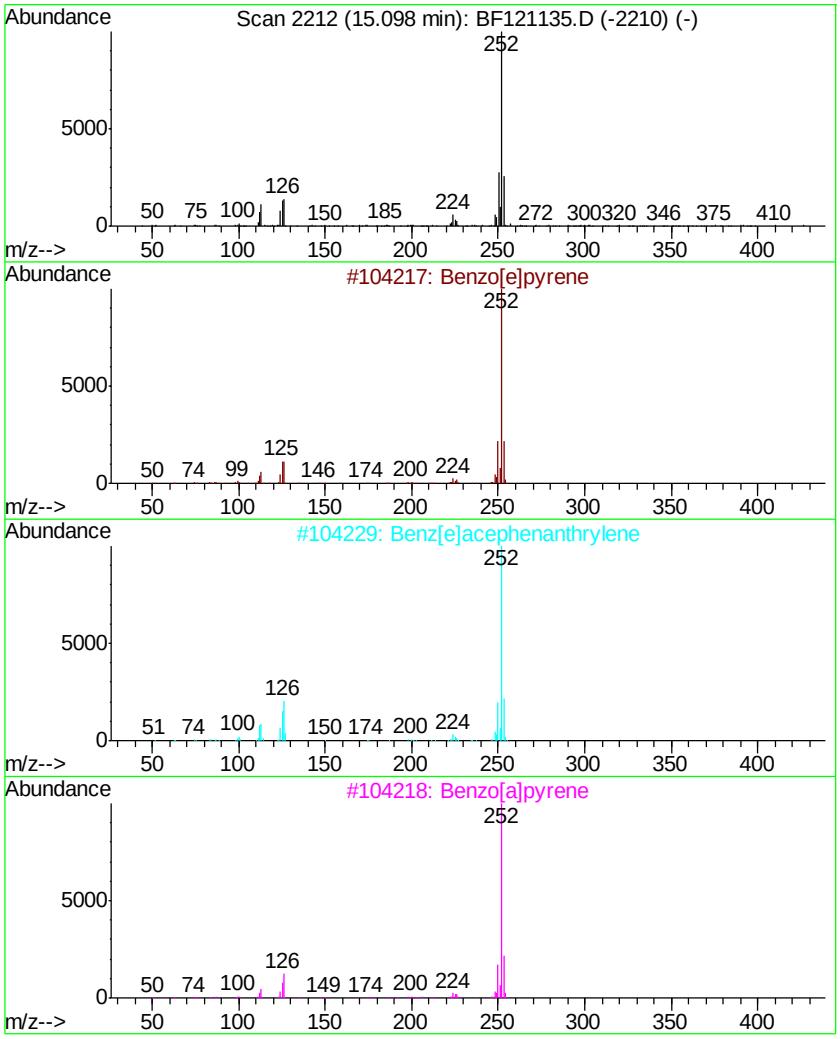
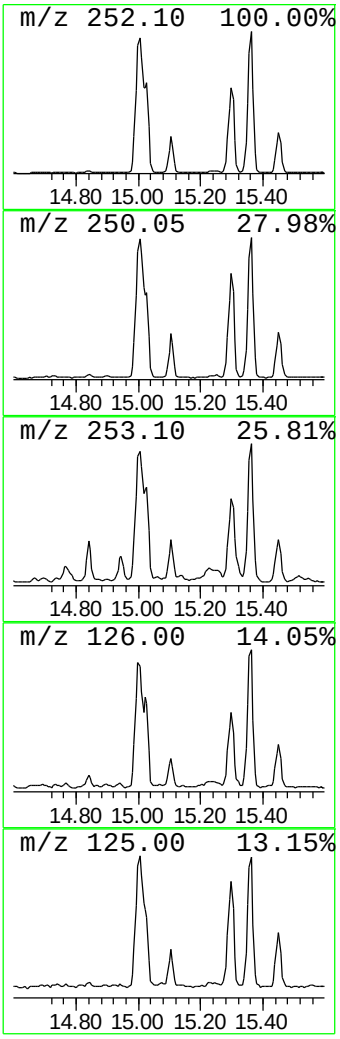
Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	4.95 ng	258615	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073020\
Data File : BF121135.D
Acq On : 30 Jul 2020 18:45
Operator : JU/CG
Sample : L3183-18 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-072820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
Phenanthrene, 2-m...	11.82	5.6	ng	348387	4	11.32	1253600	20.0
Anthracene, 2-met...	11.85	8.7	ng	547608	4	11.32	1253600	20.0
Phenanthrene, 1-m...	11.90	3.5	ng	218538	4	11.32	1253600	20.0
4H-Cyclopenta[def...	11.93	12.6	ng	791519	4	11.32	1253600	20.0
1H-Cyclopropa[l]p...	11.96	4.4	ng	277971	4	11.32	1253600	20.0
Naphthalene, 2-ph...	12.12	2.8	ng	178017	4	11.32	1253600	20.0
Phenanthrene, 3,6...	12.30	2.9	ng	183373	4	11.32	1253600	20.0
9,10-Dimethylanth...	12.37	8.2	ng	514728	4	11.32	1253600	20.0
Acephenanthrylene...	12.41	5.9	ng	370939	4	11.32	1253600	20.0
Cyclopenta(def)ph...	12.46	5.7	ng	359035	4	11.32	1253600	20.0
Pyrene, 1-methyl-	12.98	3.9	ng	531886	5	13.97	2723840	20.0
11H-Benzo[b]fluorene	13.09	5.1	ng	694854	5	13.97	2723840	20.0
Fluoranthene, 2-m...	13.16	5.2	ng	708198	5	13.97	2723840	20.0
Pyrene, 4-methyl-	13.20	4.2	ng	575851	5	13.97	2723840	20.0
Benzo[b]naphtho[2...	13.71	3.1	ng	425287	5	13.97	2723840	20.0
Benz[a]anthracene...	14.35	2.7	ng	368939	5	13.97	2723840	20.0
Hexacosane	14.74	4.4	ng	229973	6	15.42	1045250	20.0
Benzo[e]pyrene	15.10	5.0	ng	258615	6	15.42	1045250	20.0