LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113166.D
Acq On : 20 Mar 2019 12:50
Operator : JU/SJ
Sample : K1971-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

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-BF022719.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	2.251	24	28	34	rVB	77686	114156	2.73%	0.154%
2	5.292	542	545	548	rBV	59860	73382	1.76%	0.099%
3	5.334	548	552	567	rVB	2923767	3092550	73.99%	4.172%
4	6.369	723	728	744	rBV	3055782	3112725	74.47%	4.200%
5	6.492	744	749	752	rBV	3592720	3306086	79.10%	4.461%
6	6.722	784	788	791	rBV	734410	673314	16.11%	0.908%
7	6.875	810	814	818	rBV	2892802	2559144	61.23%	3.453%
8	7.281	878	883	886	rBV	2233550	2084489	49.87%	2.812%
9	7.998	1002	1005	1008	rBV	1002991	946533	22.65%	1.277%
10	8.716	1121	1127	1135	rBV	101984	101319	2.42%	0.137%
11	8.810	1140	1143	1147	rVB	137036	113561	2.72%	0.153%
12	9.080	1184	1189	1192	rBV	3730725	3603183	86.21%	4.861%
13	9.175	1201	1205	1213	rVB2	63552	80038	1.91%	0.108%
14	9.351	1226	1235	1241	rBV3	92703	167639	4.01%	0.226%
15	9.410	1242	1245	1248	rVV	131097	142914	3.42%	0.193%
16	9.469	1252	1255	1260	rVV	327547	273316	6.54%	0.369%
17	9.527	1262	1265	1270	rVB	79796	92530	2.21%	0.125%
18	9.610	1275	1279	1284	rVB	115935	100406	2.40%	0.135%
19	9.751	1298	1303	1306	rBV	1107086	981288	23.48%	1.324%
20	9.780	1306	1308	1312	rVV	528904	469638	11.24%	0.634%
21	9.910	1325	1330	1334	rBV2	61911	76182	1.82%	0.103%
22	9.957	1334	1338	1342	rBV	309952	301741	7.22%	0.407%
23	10.069	1352	1357	1360	rBV2	66788	81945	1.96%	0.111%
24	10.157	1368	1372	1374	rBV	72374	83900	2.01%	0.113%
25	10.292	1392	1395	1401	rVB	436770	436186	10.44%	0.589%
26	10.380	1409	1410	1413	rVV	101650	86236	2.06%	0.116%
27	10.410	1413	1415	1417	rVV2	80473	87951	2.10%	0.119%
28	10.451	1420	1422	1427	rVB	194913	192429	4.60%	0.260%
29	10.539	1432	1437	1441	rVV	2675001	2597348	62.14%	3.504%
30	10.586	1441	1445	1449	rVV3	67973	100301	2.40%	0.135%
31	10.663	1449	1458	1465	rVV3	192671	267565	6.40%	0.361%
32	10.845	1482	1489	1491	rBV3	123358	219882	5.26%	0.297%
33	10.974	1505	1511	1512	rBV2	142838	179053	4.28%	0.242%
34	10.992	1512	1514	1519	rVV2	139348	187783	4.49%	0.253%

LSC Area Percent Report

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Acq On : 20 Mar 2019 12:50
Operator : JU/SJ
Sample : K1971-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.039	1519	1522	1526	rVB	283525	268072	6.41%	0.362%
36	11.086	1526	1530	1532	rBV2	175559	226133	5.41%	0.305%
37	11.127	1532	1537	1543	rVB2	310939	459031	10.98%	0.619%
38	11.233	1551	1555	1557	rBV	1048494	1205883	28.85%	1.627%
39	11.263	1557	1560	1563	rVV	4051042	3747794	89.67%	5.057%
40	11.310	1563	1568	1571	rVB	1003685	1014060	24.26%	1.368%
41	11.339	1571	1573	1579	rBV	152848	148763	3.56%	0.201%
42	11.463	1588	1594	1596	rBV2	437743	497827	11.91%	0.672%
43	11.486	1596	1598	1602	rVV3	79653	88341	2.11%	0.119%
44	11.533	1602	1606	1609	rVV3	176301	215262	5.15%	0.290%
45	11.563	1609	1611	1616	rVV4	130127	117484	2.81%	0.159%
46	11.686	1629	1632	1635	rBV2	67394	73016	1.75%	0.099%
47	11.733	1636	1640	1642	rVV	618082	574518	13.75%	0.775%
48	11.763	1642	1645	1650	rVV2	1148451	1454316	34.79%	1.962%
49	11.810	1650	1653	1655	rVV	363850	355322	8.50%	0.479%
50	11.845	1655	1659	1661	rVV	859018	978237	23.40%	1.320%
51	11.863	1661	1662	1667	rVB	590629	484776	11.60%	0.654%
52	11.910	1667	1670	1672	rBV2	101277	113618	2.72%	0.153%
53	11.939	1672	1675	1678	rVB2	189459	190248	4.55%	0.257%
54	12.027	1687	1690	1692	rVV	388461	309015	7.39%	0.417%
55	12.051	1692	1694	1699	rVB	312781	233974	5.60%	0.316%
56	12.174	1710	1715	1719	rBV3	286394	391751	9.37%	0.529%
57	12.204	1719	1720	1722	rVV	121396	92315	2.21%	0.125%
58	12.227	1722	1724	1727	rVB	149949	139646	3.34%	0.188%
59	12.280	1730	1733	1736	rVV	274838	318638	7.62%	0.430%
60	12.339	1738	1743	1745	rVV2	669344	751995	17.99%	1.015%
61	12.368	1745	1748	1752	rVB2	311836	355685	8.51%	0.480%
62	12.416	1753	1756	1757	rBV	107151	98498	2.36%	0.133%
63	12.451	1757	1762	1765	rBV	3713967	4010322	95.95%	5.411%
64	12.551	1775	1779	1782	rBV4	343820	460883	11.03%	0.622%
65	12.674	1794	1800	1803	rBV2	3289849	4179766	100.00%	5.639%
66	12.786	1816	1819	1821	rBV	343213	348431	8.34%	0.470%
67	12.815	1821	1824	1831	rVB	3191200	3214914	76.92%	4.338%
68	12.892	1831	1837	1840	rBV3	312074	550351	13.17%	0.743%
69	12.933	1841	1844	1845	rVV	406431	374233	8.95%	0.505%
70	12.957	1845	1848	1850	rVV	1073655	1064619	25.47%	1.436%
71	12.998	1852	1855	1858	rVB2	583087	581406	13.91%	0.784%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1971-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.063	1862	1866	1868	rBV2	281883	326384	7.81%	0.440%
73	13.098	1868	1872	1876	rVV2	965518	1018642	24.37%	1.374%
74	13.157	1880	1882	1885	rBV	104331	108299	2.59%	0.146%
75	13.192	1885	1888	1891	rVV	239456	244693	5.85%	0.330%
76	13.221	1891	1893	1897	rVB3	289216	296626	7.10%	0.400%
77	13.398	1921	1923	1925	rVB	152682	107321	2.57%	0.145%
78	13.504	1938	1941	1945	rVB	357765	375158	8.98%	0.506%
79	13.568	1949	1952	1954	rBV2	133157	131332	3.14%	0.177%
80	13.610	1954	1959	1962	rBV3	467588	677409	16.21%	0.914%
81	13.639	1962	1964	1966	rVB	260868	193915	4.64%	0.262%
82	13.662	1966	1968	1973	rBV2	250748	325892	7.80%	0.440%
83	13.710	1974	1976	1977	rBV	294863	240166	5.75%	0.324%
84	13.862	1997	2002	2005	rBV2	1810585	2574572	61.60%	3.474%
85	13.892	2005	2007	2010	rVB	1486378	1147130	27.44%	1.548%
86	13.968	2018	2020	2022	rVB	220491	169130	4.05%	0.228%
87	14.251	2065	2068	2070	rVV	383153	325221	7.78%	0.439%
88	14.280	2071	2073	2076	rVB	227873	197347	4.72%	0.266%
89	14.345	2081	2084	2086	rVB2	252644	236498	5.66%	0.319%
90	14.374	2087	2089	2091	rBV	186971	151268	3.62%	0.204%
91	14.633	2130	2133	2136	rBV2	222084	266128	6.37%	0.359%
92	14.880	2170	2175	2178	rBV	1286947	2002049	47.90%	2.701%
93	14.951	2184	2187	2189	rBV2	226584	249676	5.97%	0.337%
94	14.974	2189	2191	2194	rVB	232655	218751	5.23%	0.295%
95	15.162	2219	2223	2228	rVB	752828	980984	23.47%	1.324%
96	15.221	2228	2233	2238	rVB	1134517	1414353	33.84%	1.908%
97	15.274	2238	2242	2245	rBV	695782	904218	21.63%	1.220%
98	15.304	2245	2247	2253	rVB2	535952	632266	15.13%	0.853%
99	16.639	2468	2474	2481	rVB2	554412	1084618	25.95%	1.463%
100	17.045	2538	2543	2552	rVB	421717	841721	20.14%	1.136%

Sum of corrected areas: 74117623

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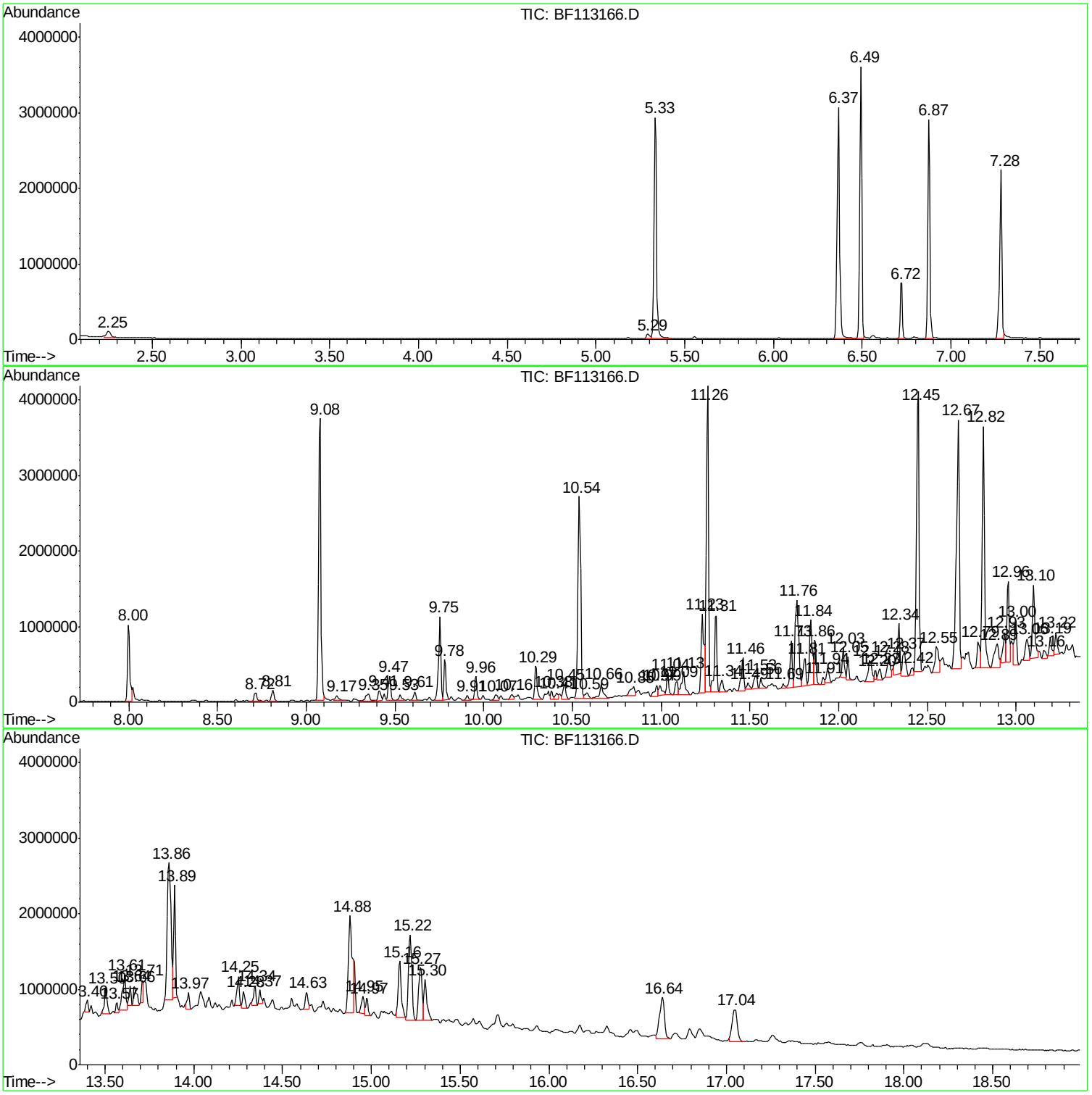
Instrument :
BNA_F
ClientSampleId :
SB-10(1-2)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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\BF032019\
Data File : BF113166.D
Acq On : 20 Mar 2019 12:50
Operator : JU/SJ
Sample : K1971-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

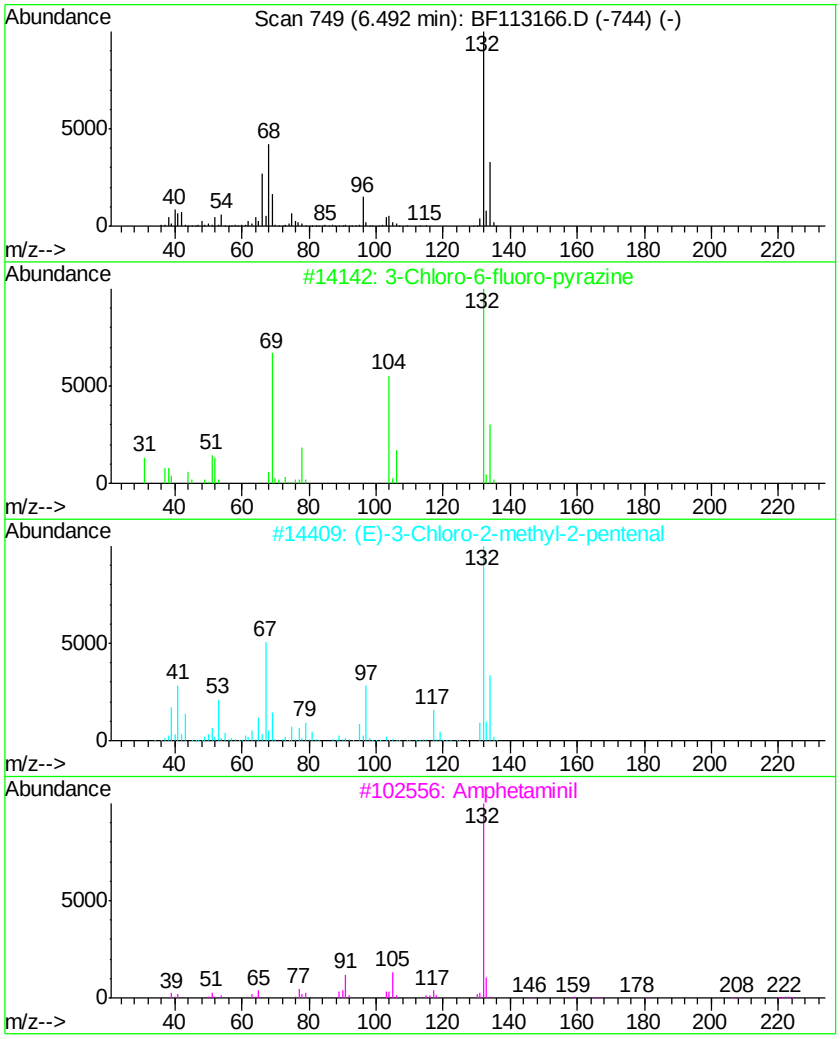
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

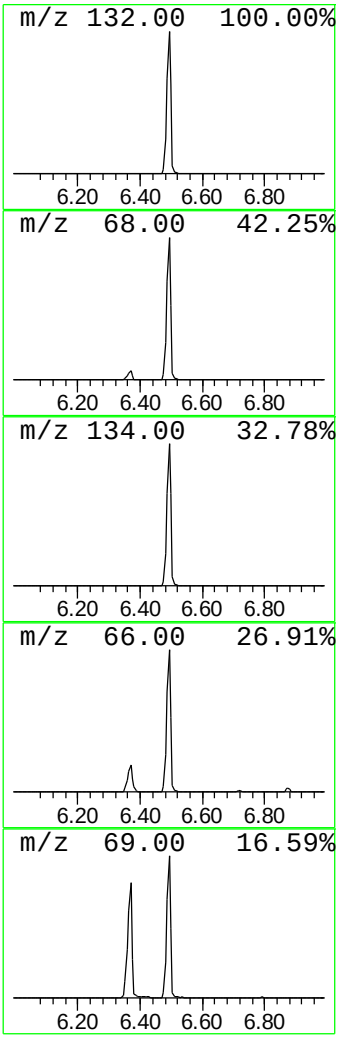
****

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	98.20 ng	3306090	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
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Acq On : 20 Mar 2019 12:50
Operator : JU/SJ
Sample : K1971-05
Misc :
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Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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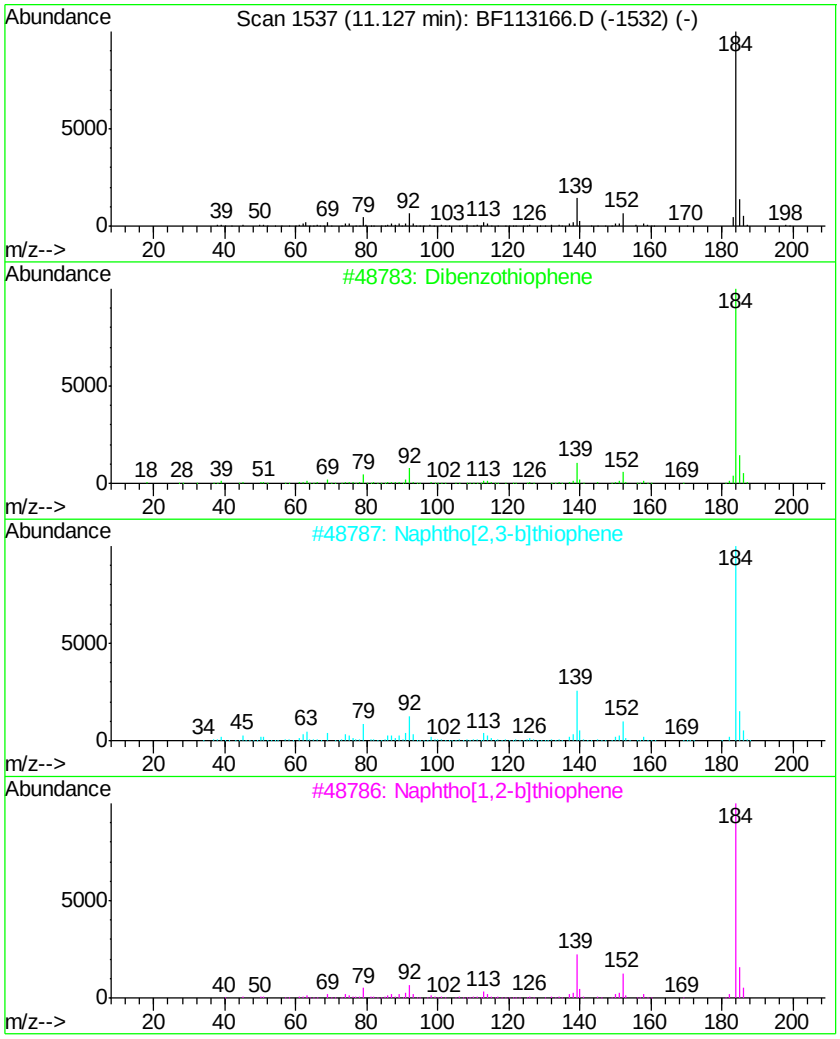
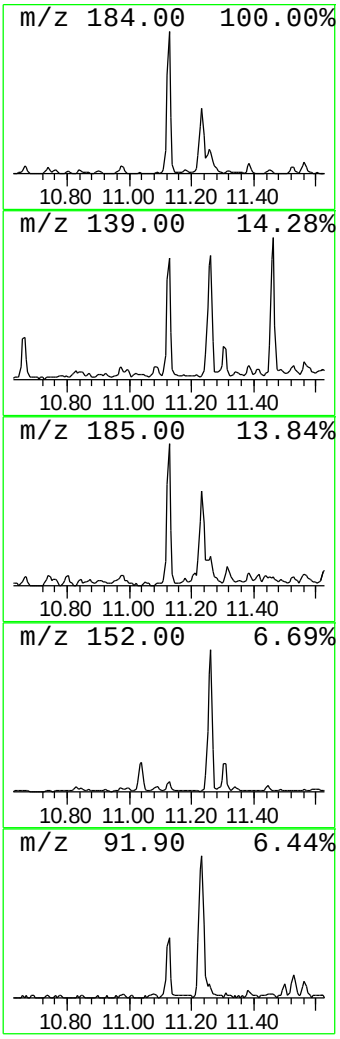
Peak Number 3 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	7.61 ng	459031	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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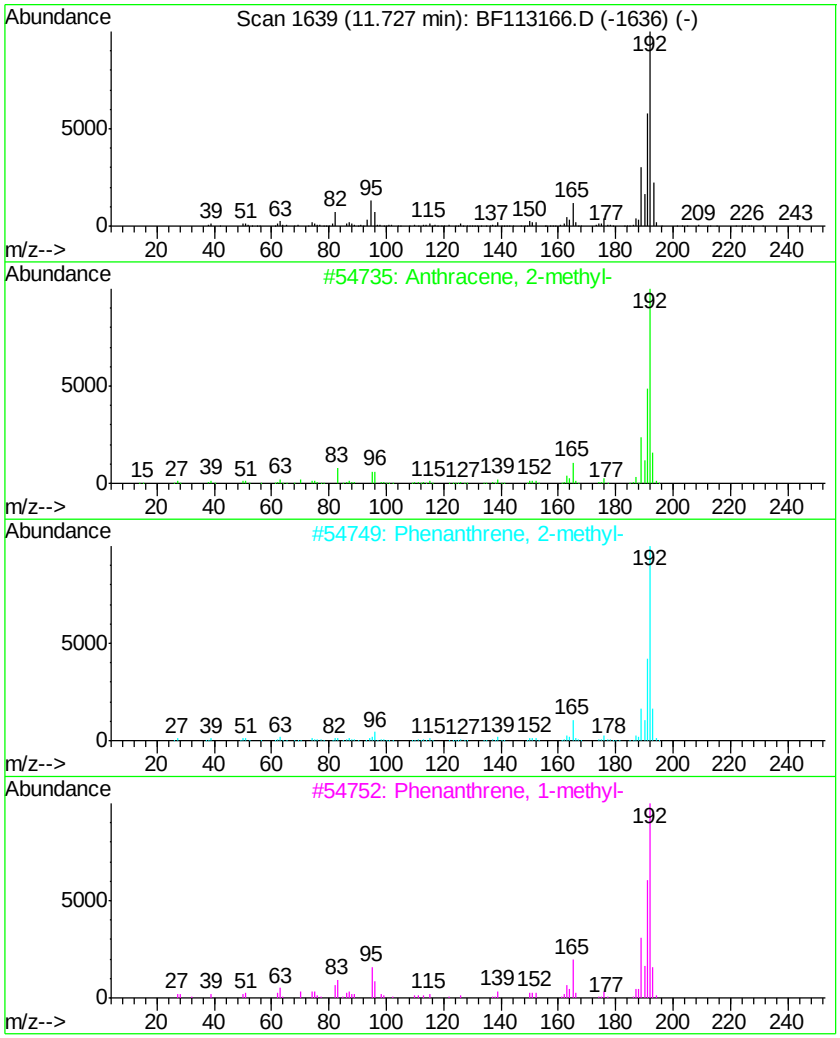
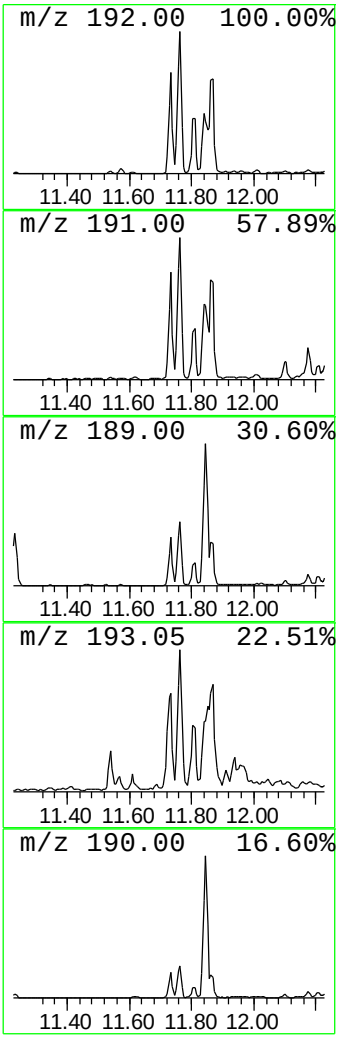
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	9.53 ng	574518	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113166.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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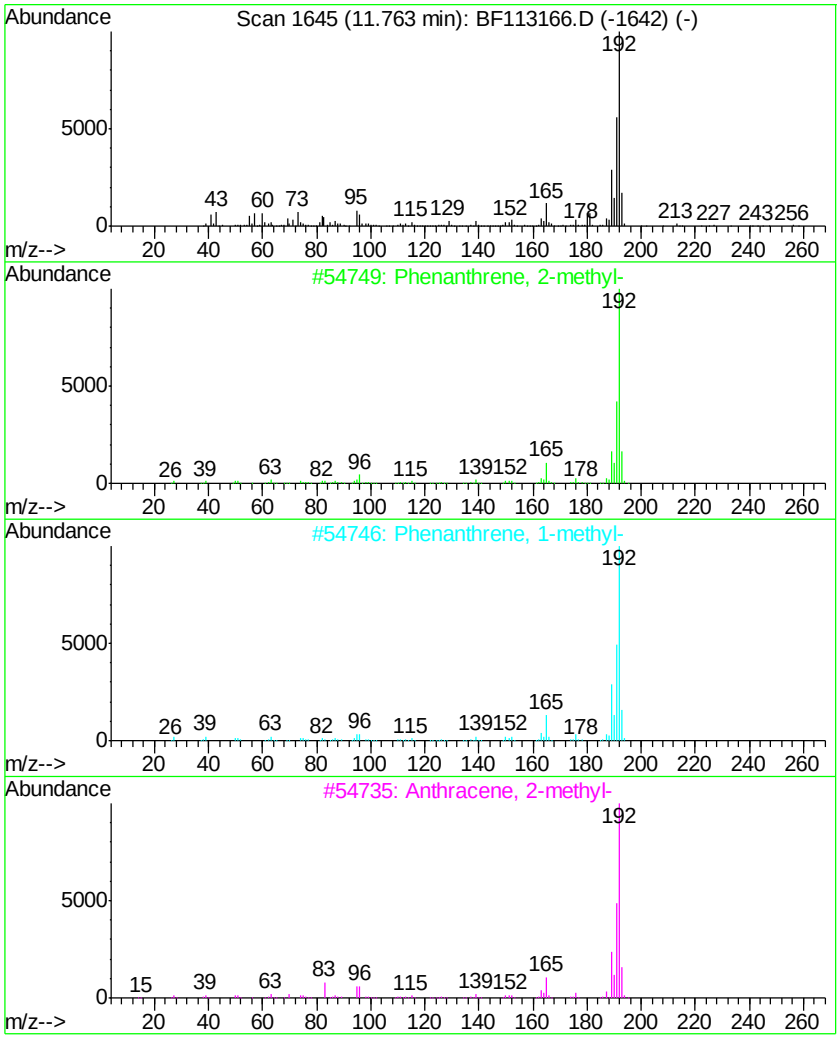
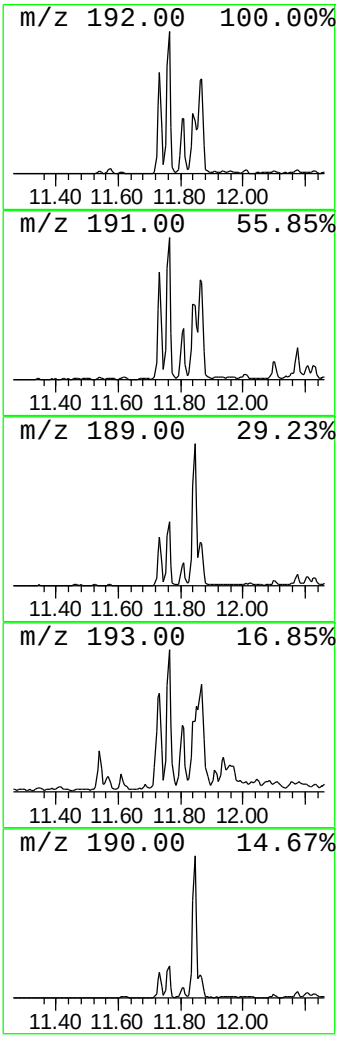
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	24.12 ng	1454320	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113166.D
Acq On : 20 Mar 2019 12:50
Operator : JU/SJ
Sample : K1971-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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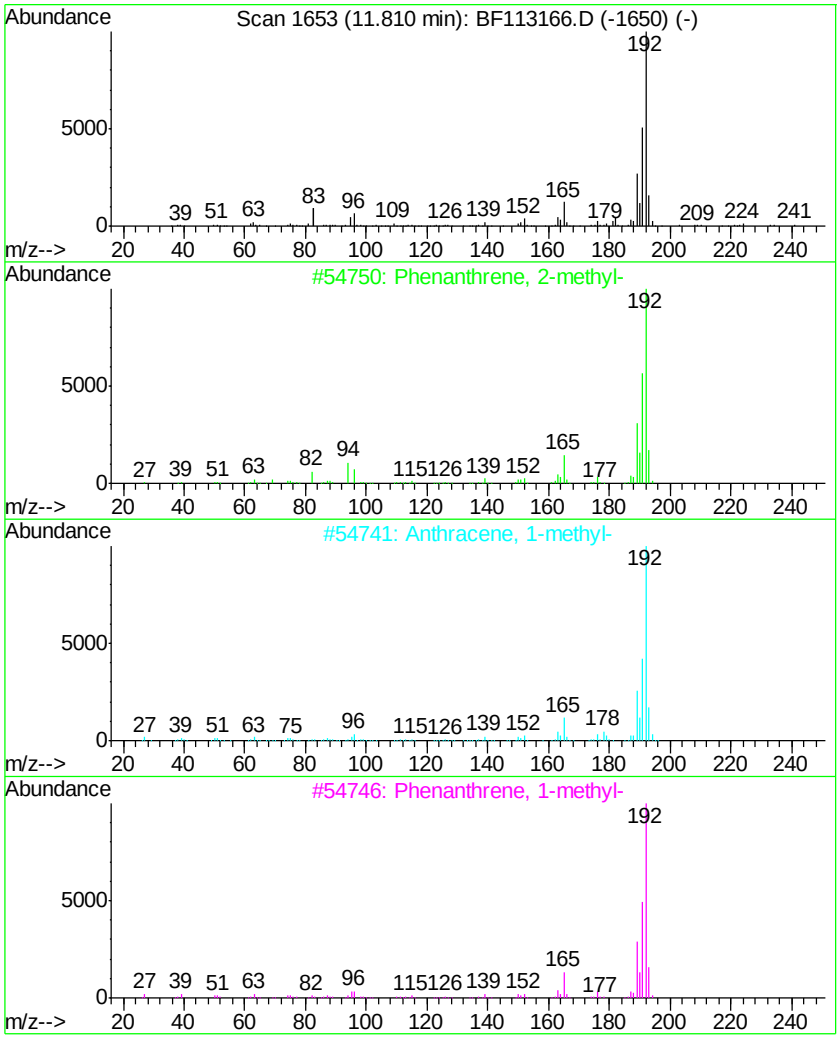
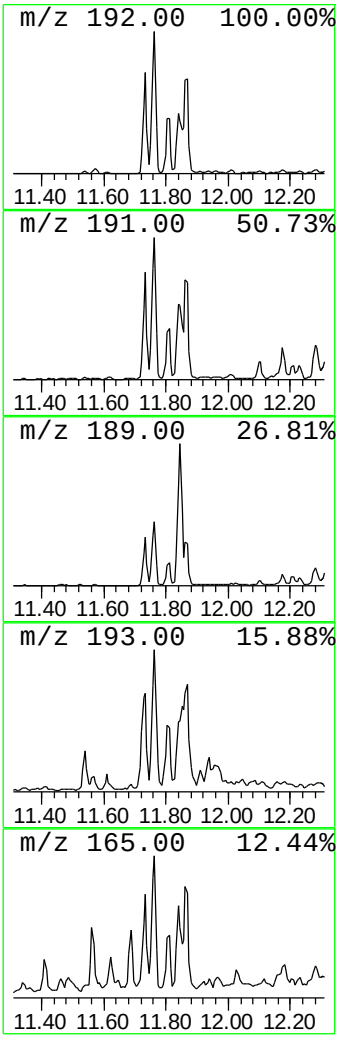
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	5.89 ng	355322	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : K1971-05
Misc :
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ClientSampleId : SB-10(1-2)-031519

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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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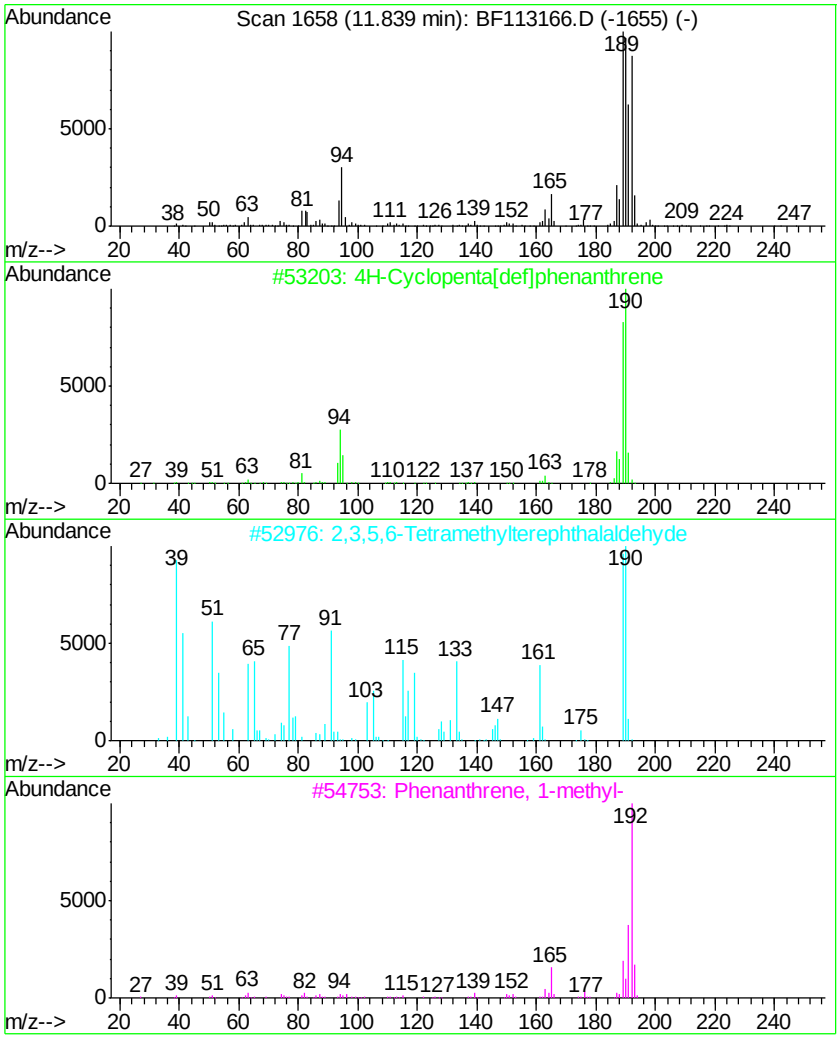
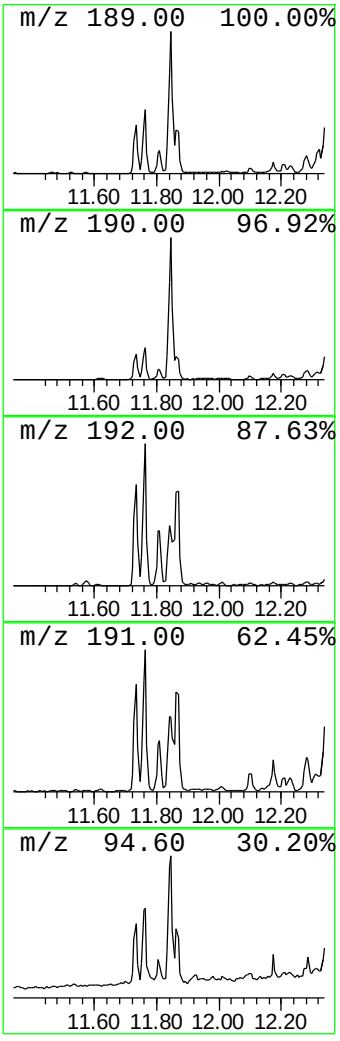
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	16.22 ng	978237	Phenanthrene-d10	11.23

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	18





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Sample : K1971-05
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Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

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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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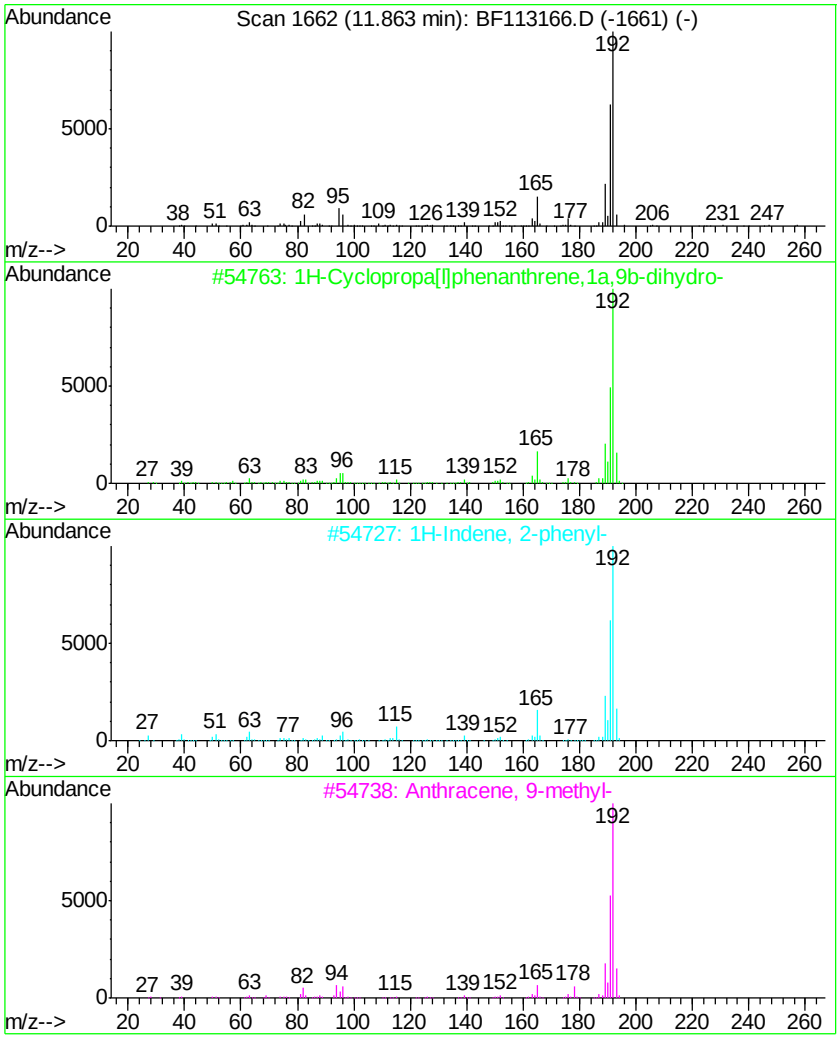
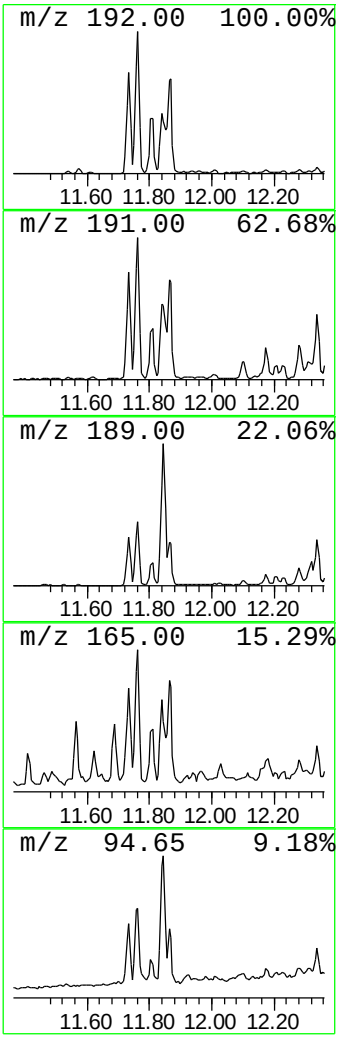
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	8.04 ng	484776	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	76
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76





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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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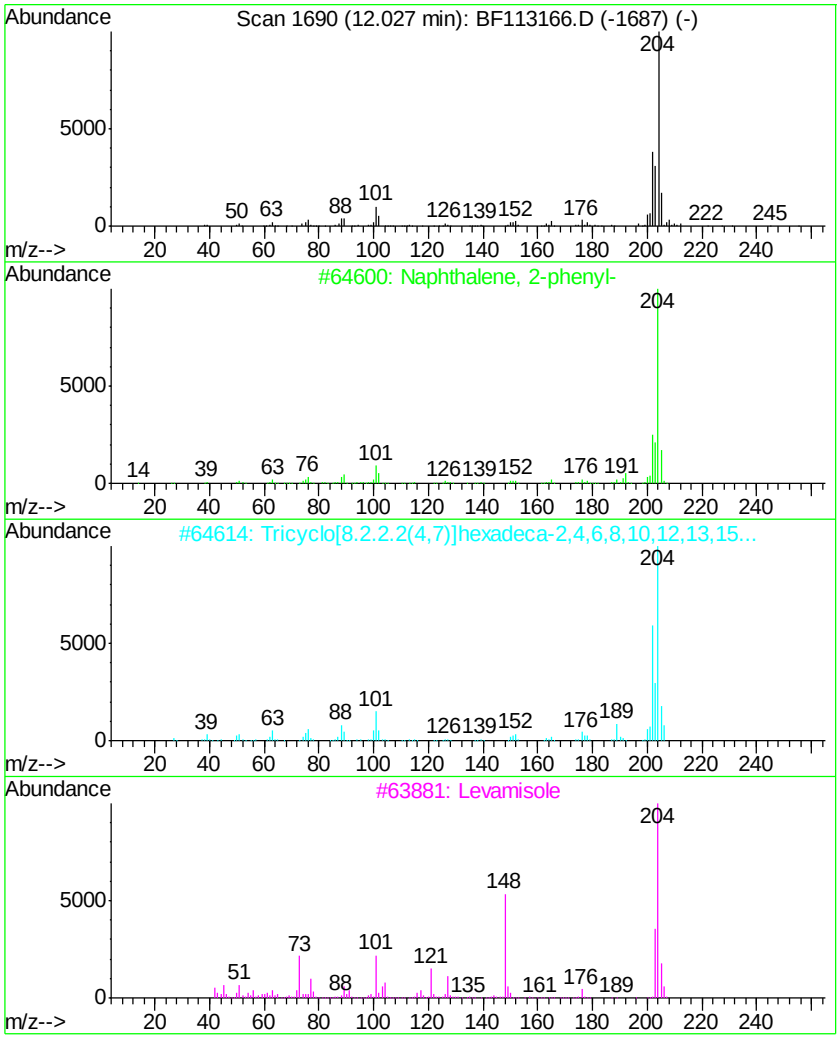
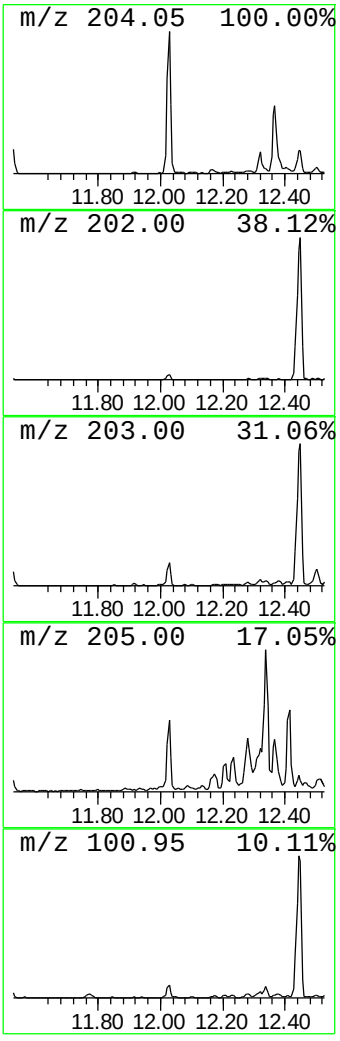
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.13 ng	309015	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	Levamisole	204	C11H12N2S	014769-73-4	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





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

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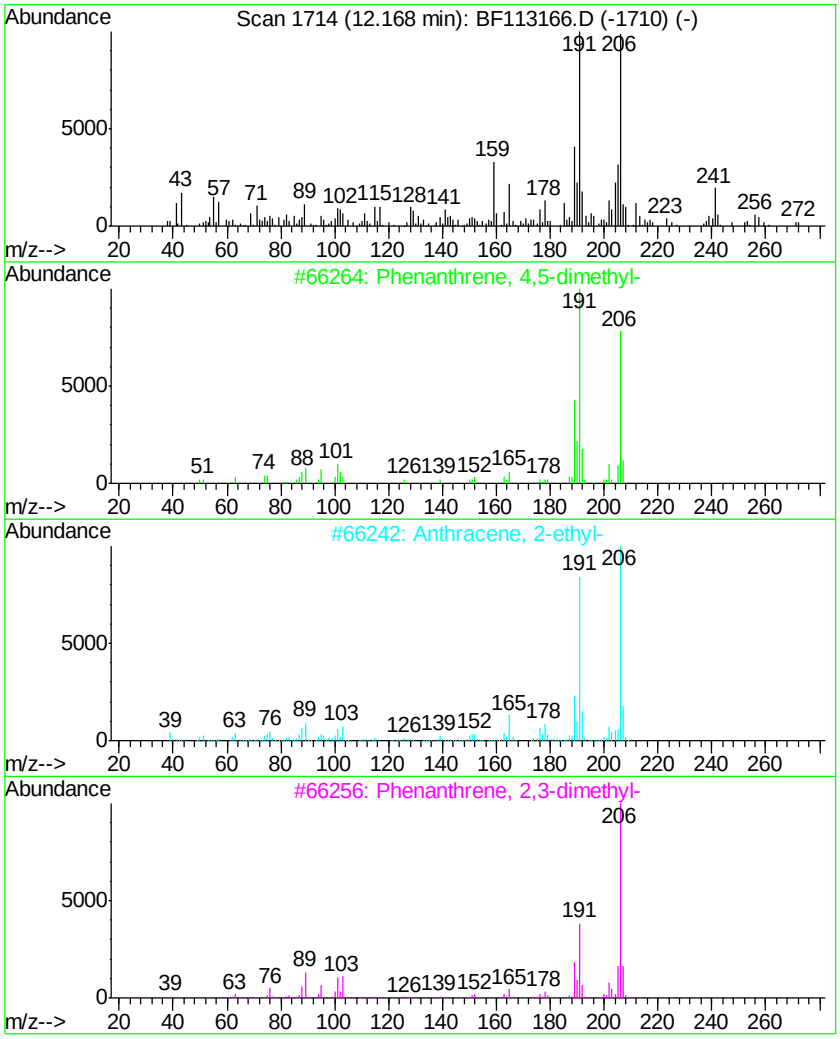
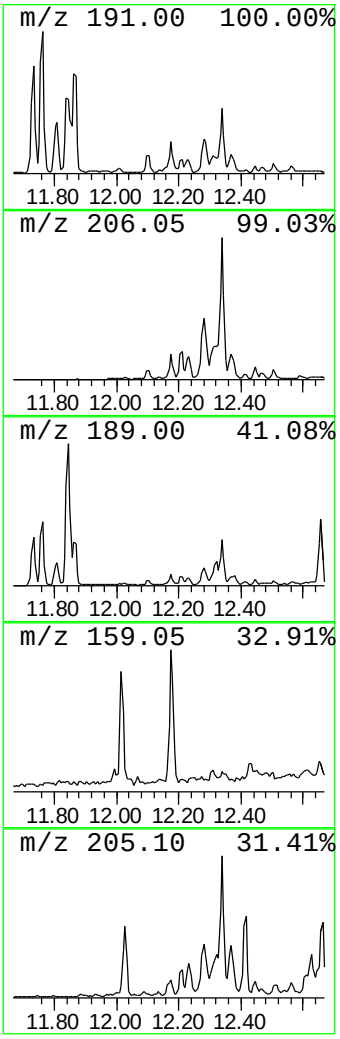
Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	6.50 ng	391751	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





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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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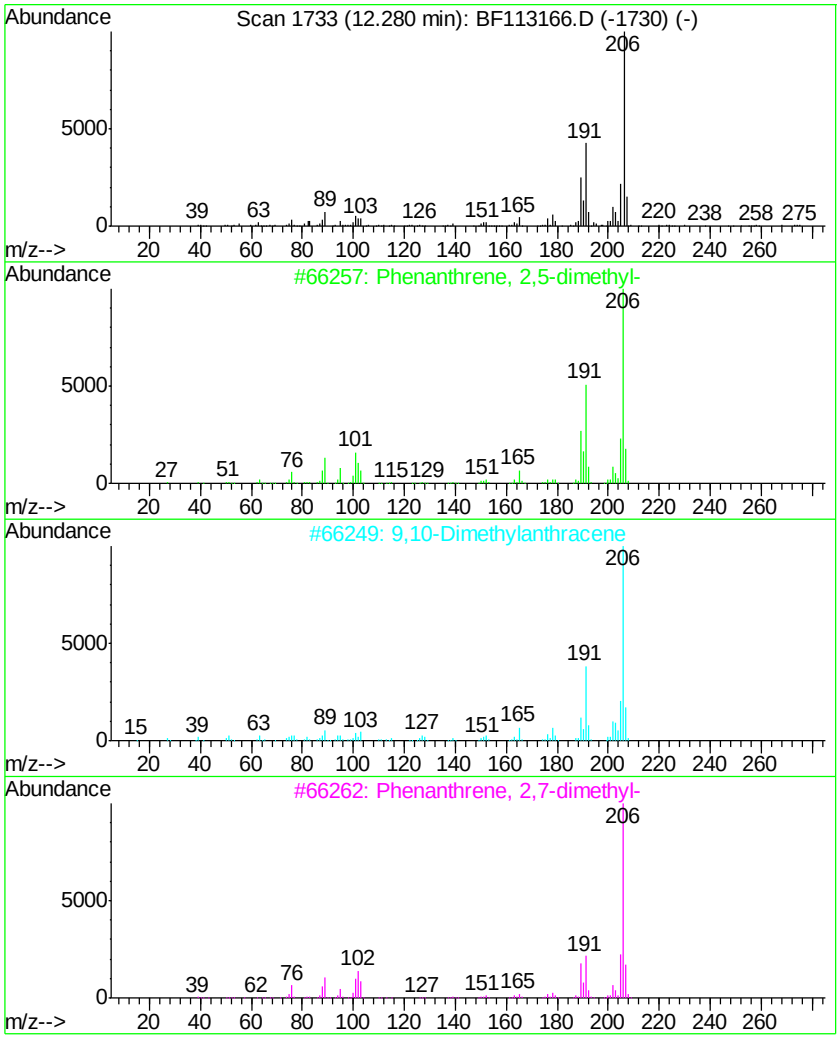
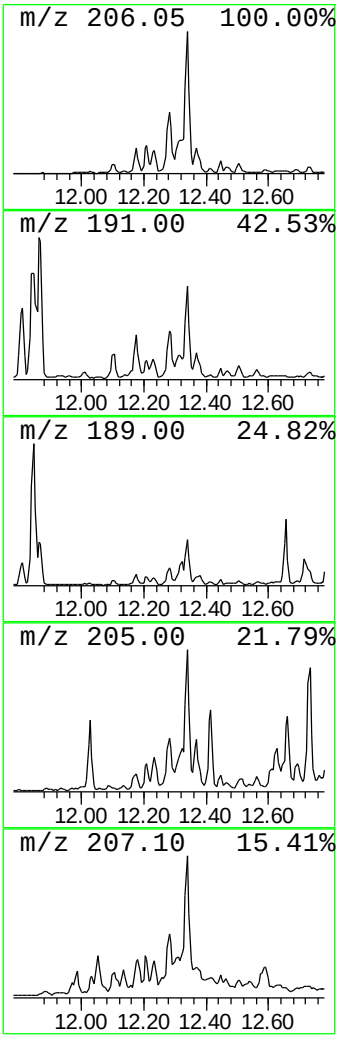
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	5.28 ng	318638	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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ClientSampleId : SB-10(1-2)-031519

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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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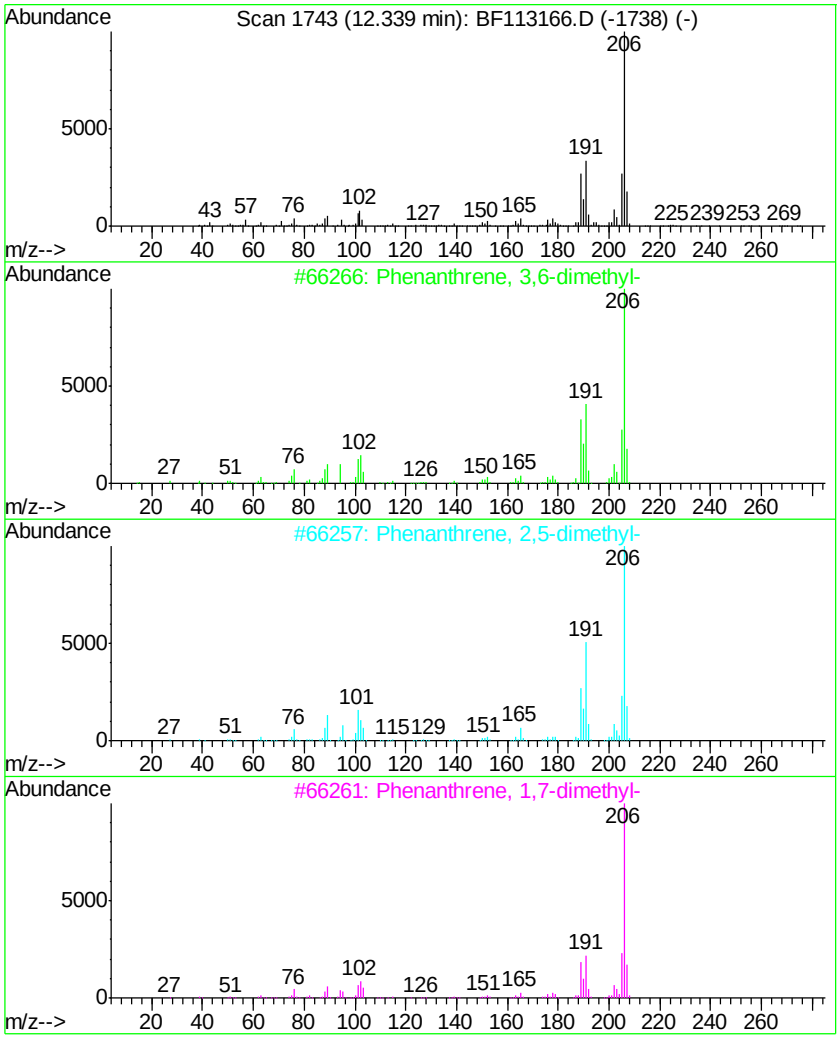
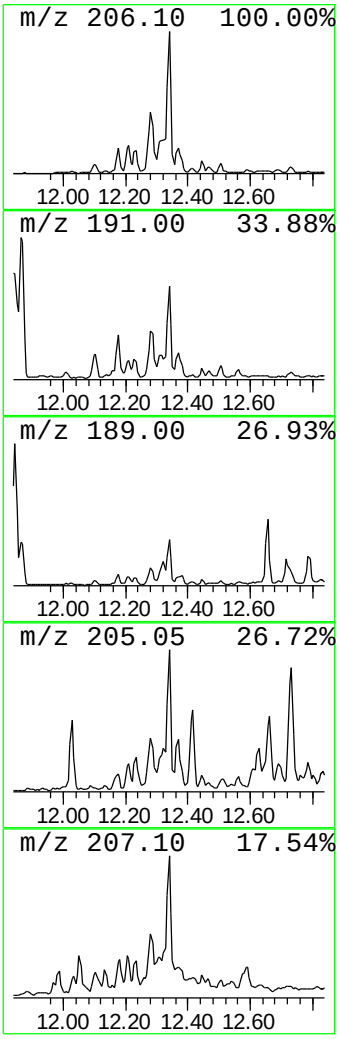
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	12.47 ng	751995	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Sample : K1971-05
Misc :
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Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

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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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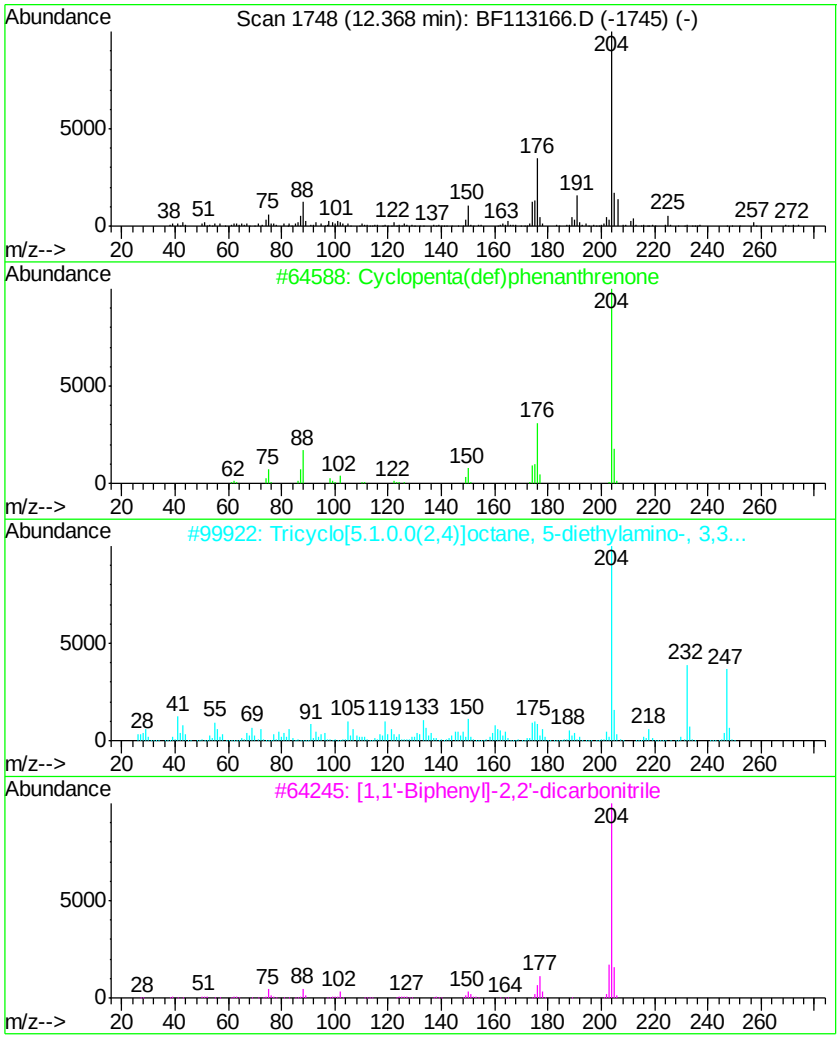
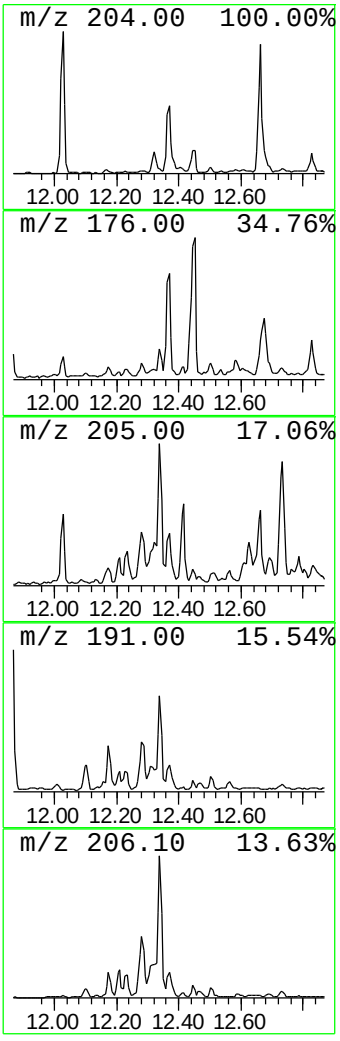
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	5.90 ng	355685	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	43





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

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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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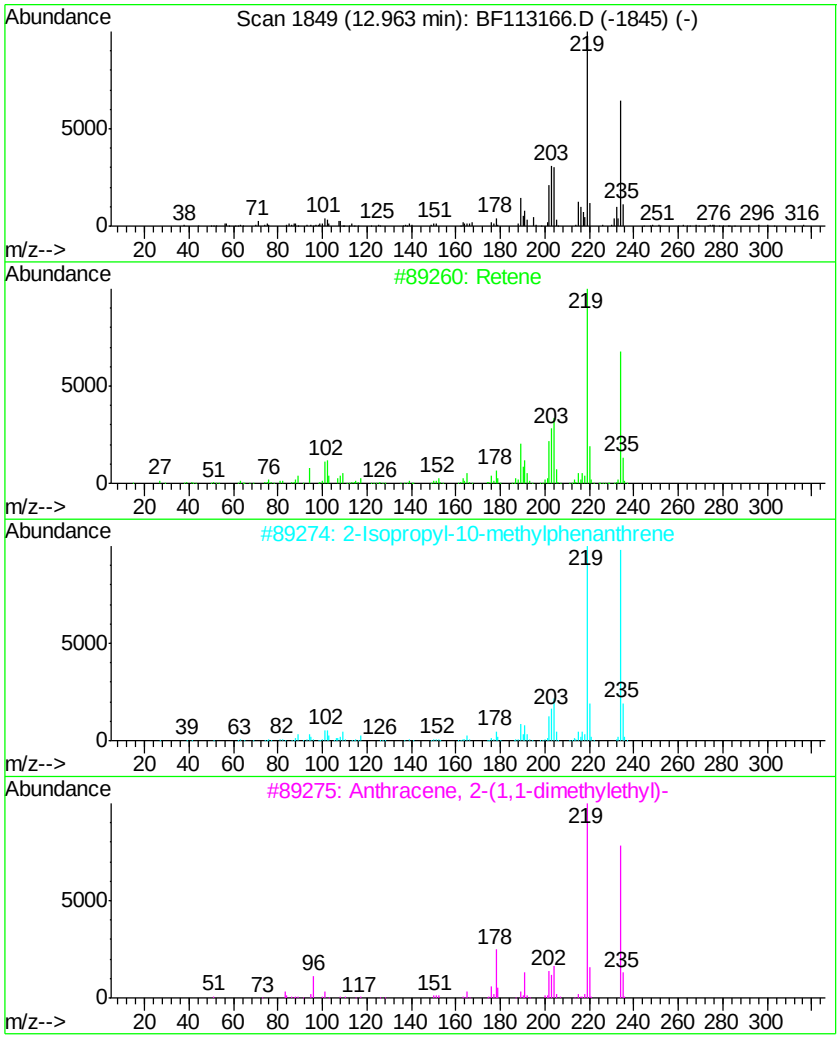
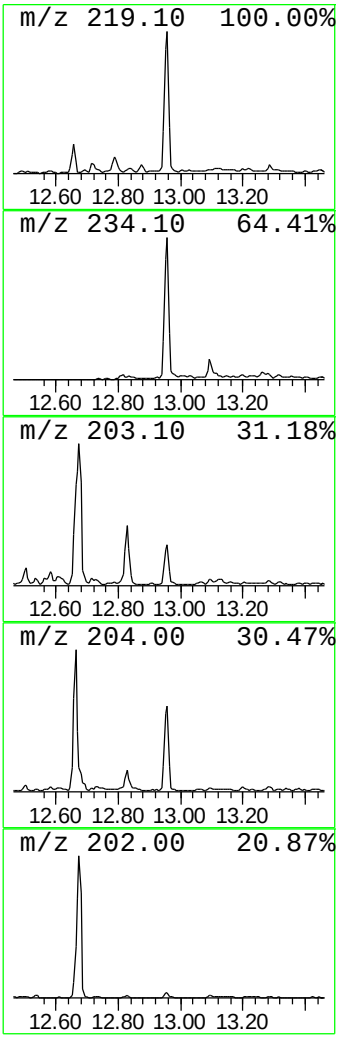
Peak Number 14 Retene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	8.27 ng	1064620	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	64
4	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	53
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	52





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TIC Library : C:\DATABASE\NIST11.L
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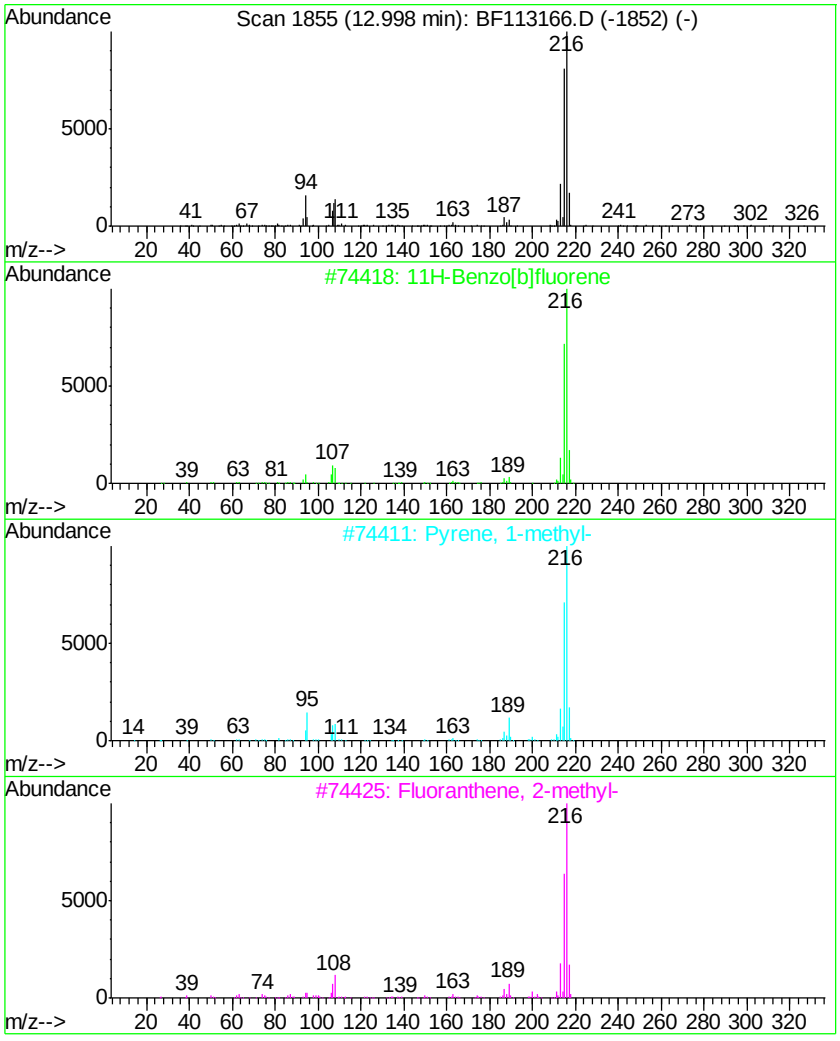
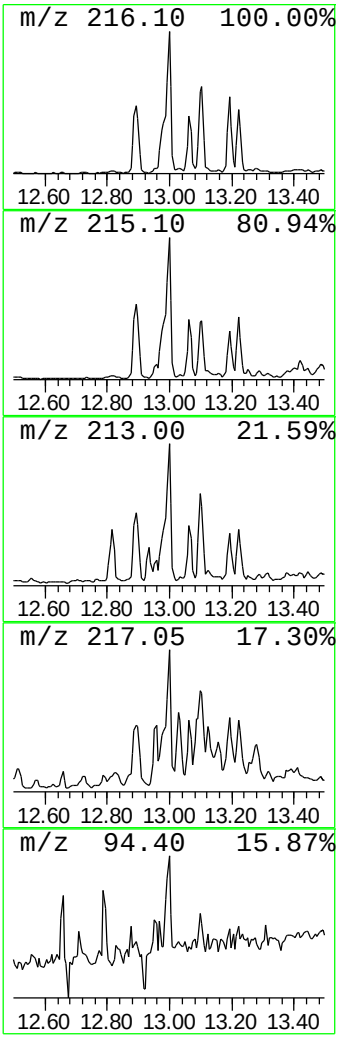
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.52 ng	581406	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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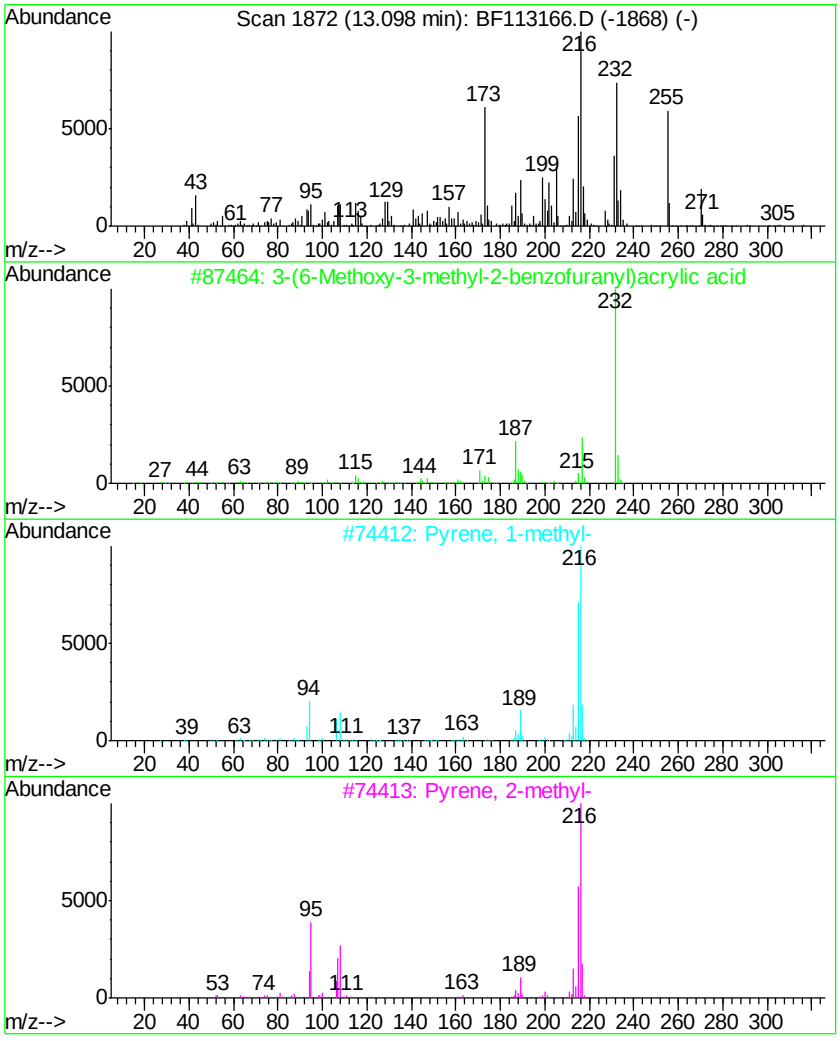
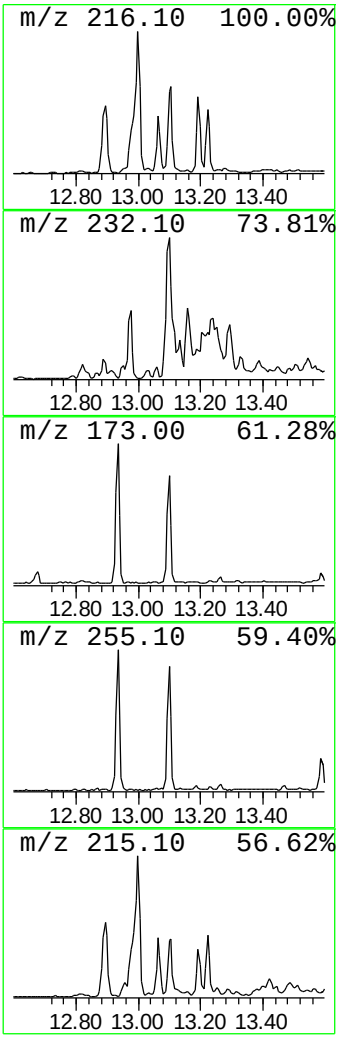
Peak Number 16 3-(6-Methoxy-3-methyl-2-ben... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	7.91 ng	1018640	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(6-Methoxy-3-methyl-2-benzofur...	232	C13H12O4	010410-32-9	64
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	47
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	38
4	Cyclohexanone, 2-[(4-methoxyphen...	216	C14H16O2	005765-29-7	30
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	30





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TIC Library : C:\DATABASE\NIST11.L
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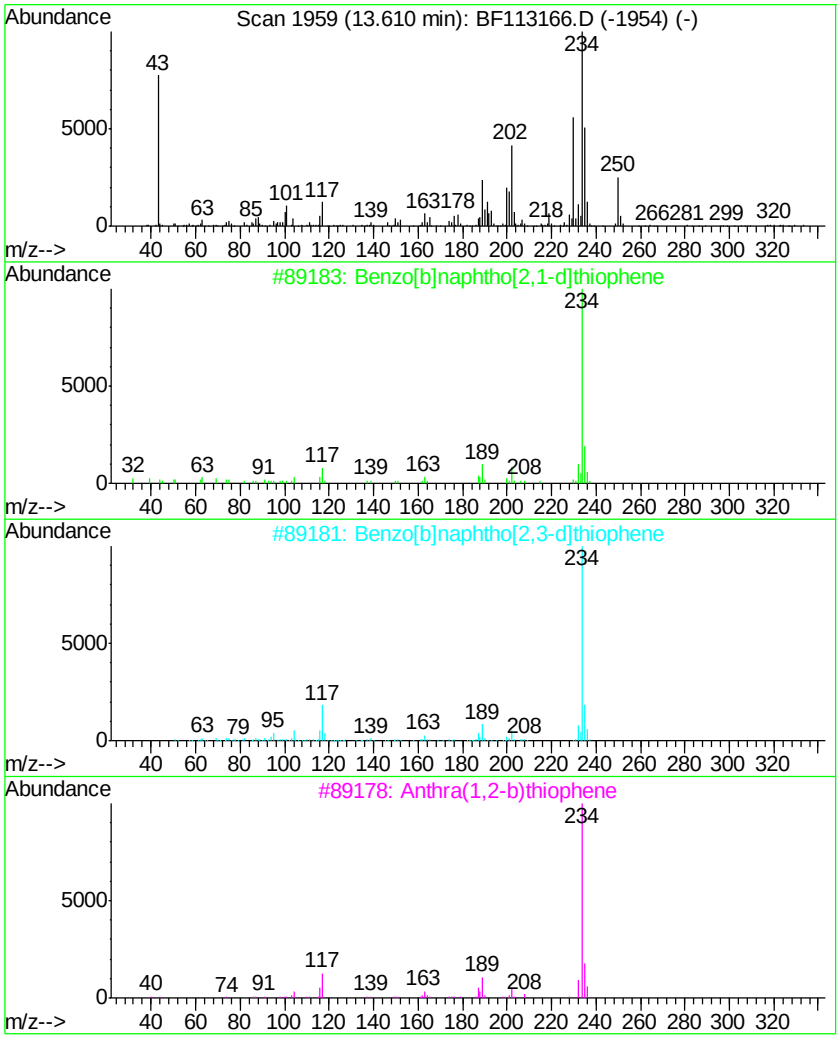
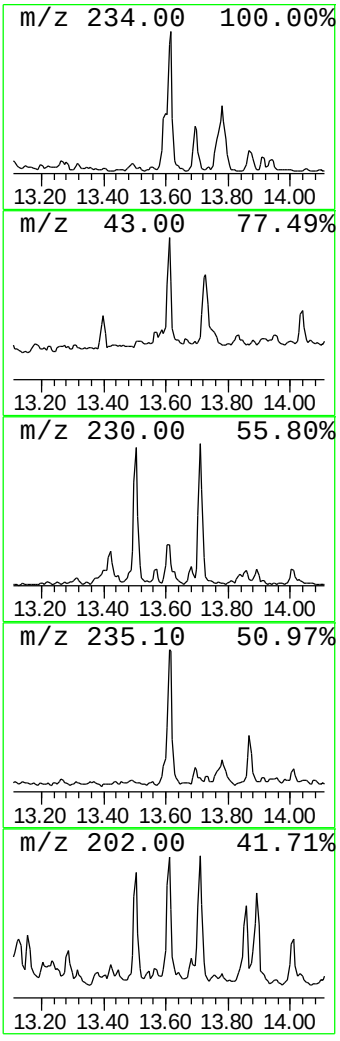
Peak Number 17 unknown13.61 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	5.26 ng	677409	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	46
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	45
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	42
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	38
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	35





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Operator : JU/SJ
Sample : K1971-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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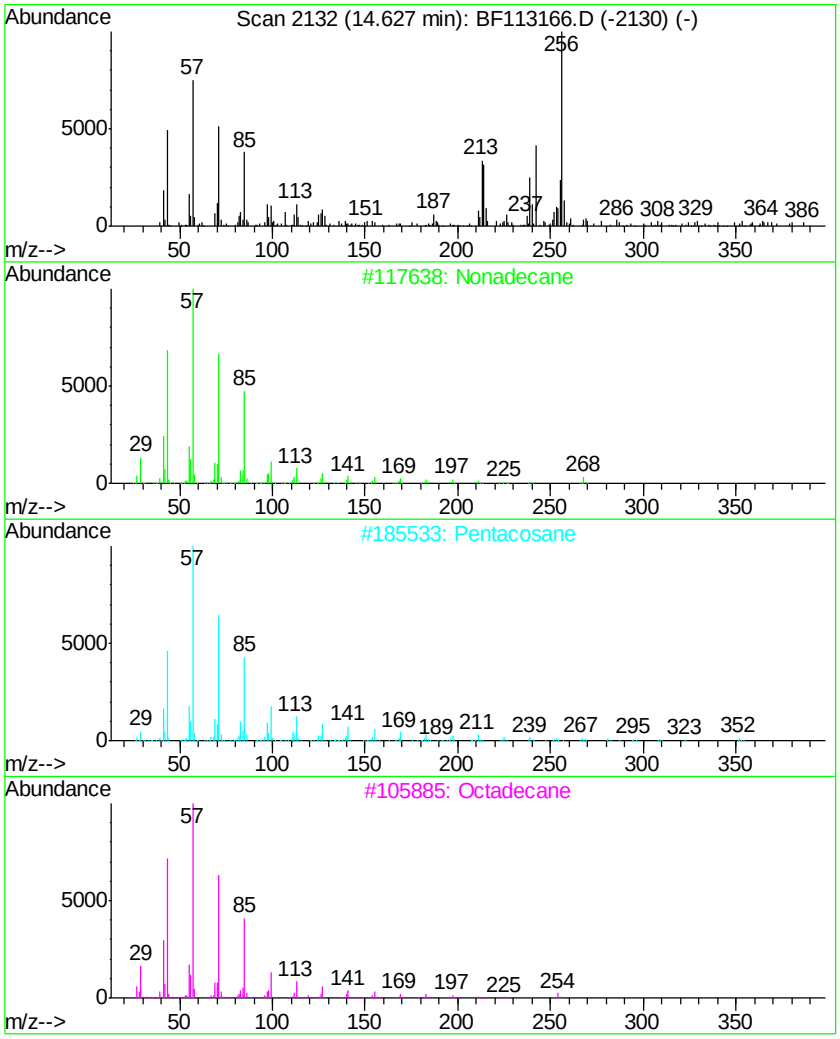
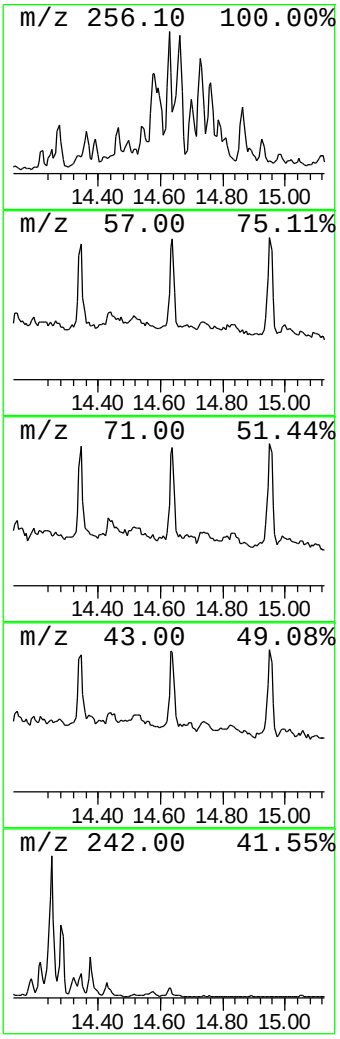
Peak Number 18 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	5.89 ng	266128	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Pentacosane	352	C25H52	000629-99-2	87
3	Octadecane	254	C18H38	000593-45-3	78
4	Hexacosane	366	C26H54	000630-01-3	64
5	Tetracosane	338	C24H50	000646-31-1	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113166.D
Acq On : 20 Mar 2019 12:50
Operator : JU/SJ
Sample : K1971-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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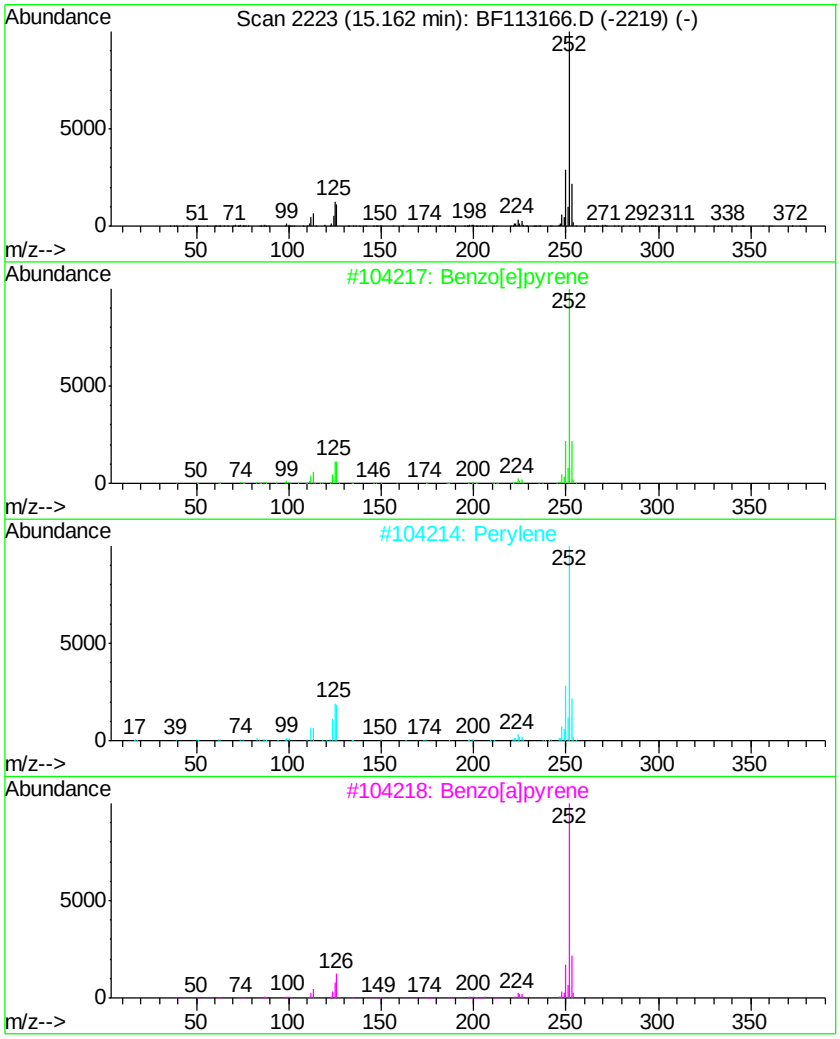
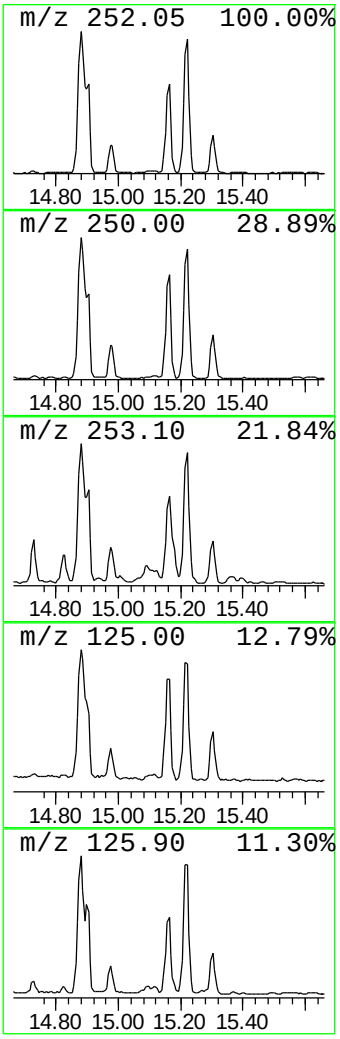
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	21.70 ng	980984	Perylene-d12	15.27

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	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113166.D
Acq On : 20 Mar 2019 12:50
Operator : JU/SJ
Sample : K1971-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(1-2)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.49	6.49	98.2	ng	3306090	1	6.72	673314	20.0
Dibenzothiophene	11.13	7.6	ng	459031	4	11.23	1205880	20.0
Anthracene, 2-met...	11.73	9.5	ng	574518	4	11.23	1205880	20.0
Phenanthrene, 2-m...	11.76	24.1	ng	1454320	4	11.23	1205880	20.0
Phenanthrene, 1-m...	11.81	5.9	ng	355322	4	11.23	1205880	20.0
4H-Cyclopenta[def...	11.84	16.2	ng	978237	4	11.23	1205880	20.0
1H-Cyclopropa[l]p...	11.86	8.0	ng	484776	4	11.23	1205880	20.0
Naphthalene, 2-ph...	12.03	5.1	ng	309015	4	11.23	1205880	20.0
Phenanthrene, 4,5...	12.17	6.5	ng	391751	4	11.23	1205880	20.0
Phenanthrene, 2,5...	12.28	5.3	ng	318638	4	11.23	1205880	20.0
Phenanthrene, 3,6...	12.34	12.5	ng	751995	4	11.23	1205880	20.0
Cyclopenta(def)ph...	12.37	5.9	ng	355685	4	11.23	1205880	20.0
Retene	12.96	8.3	ng	1064620	5	13.87	2574570	20.0
11H-Benzo[b]fluorene	13.00	4.5	ng	581406	5	13.87	2574570	20.0
3-(6-Methoxy-3-me...	13.10	7.9	ng	1018640	5	13.87	2574570	20.0
unknown13.61	13.61	5.3	ng	677409	5	13.87	2574570	20.0
Nonadecane	14.63	5.9	ng	266128	6	15.27	904218	20.0
Benzo[e]pyrene	15.16	21.7	ng	980984	6	15.27	904218	20.0