LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF116059.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.463	571	574	598	rBV	866950	1095206	25.09%	1.665%
2	6.475	743	746	758	rBV	1061786	1168320	26.77%	1.776%
3	6.616	766	770	777	rBV	1387869	1232856	28.25%	1.874%
4	6.681	777	781	785	rVV	176043	215113	4.93%	0.327%
5	6.845	805	809	816	rBV	824964	792146	18.15%	1.204%
6	6.998	831	835	849	rVB	1152261	1034316	23.70%	1.573%
7	7.404	901	904	911	rBV	655073	690847	15.83%	1.050%
8	7.698	952	954	963	rVB	284488	281559	6.45%	0.428%
9	8.122	1021	1026	1035	rBV	1018458	1076441	24.66%	1.637%
10	8.339	1058	1063	1069	rBV	276227	262541	6.02%	0.399%
11	8.398	1069	1073	1080	rVV	288423	279578	6.41%	0.425%
12	9.198	1203	1209	1214	rBV	1565635	1502100	34.42%	2.284%
13	9.539	1263	1267	1269	rBV	161535	177274	4.06%	0.270%
14	9.586	1273	1275	1282	rVV3	411824	627398	14.38%	0.954%
15	9.739	1297	1301	1305	rBV	578523	559904	12.83%	0.851%
16	9.875	1318	1324	1328	rBV	1094572	1108524	25.40%	1.685%
17	10.080	1355	1359	1362	rVV	308298	314462	7.21%	0.478%
18	10.122	1362	1366	1369	rVB	353340	321195	7.36%	0.488%
19	10.192	1374	1378	1381	rBV2	408251	477406	10.94%	0.726%
20	10.286	1390	1394	1395	rBV2	266728	306645	7.03%	0.466%
21	10.304	1395	1397	1399	rVB2	223910	169549	3.88%	0.258%
22	10.533	1434	1436	1440	rVB3	194670	185554	4.25%	0.282%
23	10.669	1453	1459	1462	rBV2	705204	777344	17.81%	1.182%
24	10.792	1475	1480	1485	rVB2	554680	646251	14.81%	0.983%
25	10.863	1489	1492	1495	rBV	233870	229215	5.25%	0.349%
26	10.892	1495	1497	1501	rVV4	147615	162256	3.72%	0.247%
27	10.975	1506	1511	1513	rVV3	227807	340026	7.79%	0.517%
28	11.004	1513	1516	1518	rVV	243862	277026	6.35%	0.421%
29	11.027	1518	1520	1523	rVV3	141557	208014	4.77%	0.316%
30	11.104	1527	1533	1535	rVV3	168790	306039	7.01%	0.465%
31	11.122	1535	1536	1542	rVV4	204795	274487	6.29%	0.417%
32	11.174	1542	1545	1547	rVV3	212755	255295	5.85%	0.388%
33	11.222	1549	1553	1556	rVV3	163250	282737	6.48%	0.430%
34	11.263	1556	1560	1564	rVB2	263684	349857	8.02%	0.532%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.363	1574	1577	1579	rBV	969619	839220	19.23%	1.276%
36	11.386	1579	1581	1587	rVB	1180640	1018165	23.33%	1.548%
37	11.439	1587	1590	1593	rBV	570114	454658	10.42%	0.691%
38	11.474	1593	1596	1599	rBV3	187411	236224	5.41%	0.359%
39	11.604	1614	1618	1623	rBV6	139551	339277	7.77%	0.516%
40	11.651	1624	1626	1629	rVV3	246777	268440	6.15%	0.408%
41	11.692	1629	1633	1639	rVB2	368726	455879	10.45%	0.693%
42	11.780	1645	1648	1651	rVB	229360	239317	5.48%	0.364%
43	11.869	1659	1663	1665	rVV	1092510	988960	22.66%	1.504%
44	11.898	1665	1668	1672	rVB	1274987	1197476	27.44%	1.821%
45	11.945	1672	1676	1678	rBV	423618	458359	10.50%	0.697%
46	11.974	1678	1681	1684	rVV2	1205672	1391060	31.87%	2.115%
47	12.004	1684	1686	1690	rVB	752931	625873	14.34%	0.952%
48	12.098	1700	1702	1705	rBV	273549	232748	5.33%	0.354%
49	12.157	1709	1712	1715	rBV2	461084	531298	12.17%	0.808%
50	12.192	1716	1718	1723	rVB2	365511	387403	8.88%	0.589%
51	12.310	1733	1738	1741	rBV2	552104	728588	16.69%	1.108%
52	12.345	1741	1744	1746	rVV	683347	615493	14.10%	0.936%
53	12.369	1746	1748	1751	rVB	499375	399355	9.15%	0.607%
54	12.421	1753	1757	1759	rBV	1522270	1574070	36.07%	2.393%
55	12.451	1759	1762	1765	rVV2	716933	1031417	23.63%	1.568%
56	12.510	1768	1772	1775	rBV3	603890	783468	17.95%	1.191%
57	12.539	1775	1777	1780	rVB	228346	169771	3.89%	0.258%
58	12.580	1781	1784	1787	rBV	2053974	1820107	41.70%	2.767%
59	12.621	1788	1791	1793	rVV2	274483	238659	5.47%	0.363%
60	12.645	1793	1795	1797	rVB	307012	230234	5.28%	0.350%
61	12.733	1808	1810	1813	rVB3	177629	177086	4.06%	0.269%
62	12.763	1813	1815	1818	rVB2	273482	218801	5.01%	0.333%
63	12.816	1818	1824	1829	rBV	3615950	4364335	100.00%	6.636%
64	12.868	1829	1833	1836	rVB2	782447	814950	18.67%	1.239%
65	12.921	1836	1842	1843	rBV2	316626	484709	11.11%	0.737%
66	12.945	1843	1846	1848	rBV	1352058	1011380	23.17%	1.538%
67	12.968	1848	1850	1856	rVB	403358	401329	9.20%	0.610%
68	13.027	1856	1860	1867	rBV4	689041	1228183	28.14%	1.867%
69	13.080	1867	1869	1872	rBV	265390	270566	6.20%	0.411%
70	13.116	1872	1875	1877	rBV3	541744	720695	16.51%	1.096%
71	13.204	1888	1890	1893	rVB	235278	175861	4.03%	0.267%

LSC Area Percent Report

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Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.245	1893	1897	1901	rVB	1303736	1175871	26.94%	1.788%
73	13.339	1909	1913	1915	rBV	1173781	1079265	24.73%	1.641%
74	13.368	1915	1918	1920	rVV	1183340	1000645	22.93%	1.521%
75	13.398	1920	1923	1927	rVB2	272000	316488	7.25%	0.481%
76	13.451	1930	1932	1935	rVB	224221	197192	4.52%	0.300%
77	13.651	1963	1966	1970	rVB	587843	595167	13.64%	0.905%
78	13.710	1973	1976	1979	rVB	354292	285643	6.54%	0.434%
79	13.763	1979	1985	1987	rBV3	571790	1066358	24.43%	1.621%
80	13.810	1991	1993	1996	rBV	299427	399985	9.16%	0.608%
81	13.863	1999	2002	2005	rVB	405552	399516	9.15%	0.607%
82	14.004	2022	2026	2029	rBV2	1760343	2640424	60.50%	4.015%
83	14.033	2029	2031	2035	rVV	1452792	1456296	33.37%	2.214%
84	14.092	2039	2041	2043	rBV	349282	317708	7.28%	0.483%
85	14.327	2078	2081	2084	rBV2	227031	206835	4.74%	0.314%
86	14.357	2084	2086	2088	rBV	310502	280148	6.42%	0.426%
87	14.398	2088	2093	2096	rVV	1017852	1100258	25.21%	1.673%
88	14.427	2096	2098	2101	rVB	470339	405409	9.29%	0.616%
89	14.468	2102	2105	2107	rBV4	253090	296458	6.79%	0.451%
90	14.521	2111	2114	2116	rBV	476530	392965	9.00%	0.597%
91	14.586	2123	2125	2129	rVB2	306895	289309	6.63%	0.440%
92	14.727	2146	2149	2151	rBV	200026	247919	5.68%	0.377%
93	14.892	2174	2177	2180	rBV2	220637	240231	5.50%	0.365%
94	15.057	2201	2205	2211	rVB2	797132	1309096	30.00%	1.990%
95	15.162	2220	2223	2226	rVB	184791	200391	4.59%	0.305%
96	15.357	2252	2256	2260	rVB	874585	1043576	23.91%	1.587%
97	15.421	2262	2267	2271	rBV	1068471	1418885	32.51%	2.157%
98	15.480	2273	2277	2280	rBV	567985	639523	14.65%	0.972%
99	16.951	2522	2527	2534	rVB	350818	691843	15.85%	1.052%
100	17.398	2598	2603	2616	rVB	466182	965874	22.13%	1.469%

Sum of corrected areas: 65770173

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
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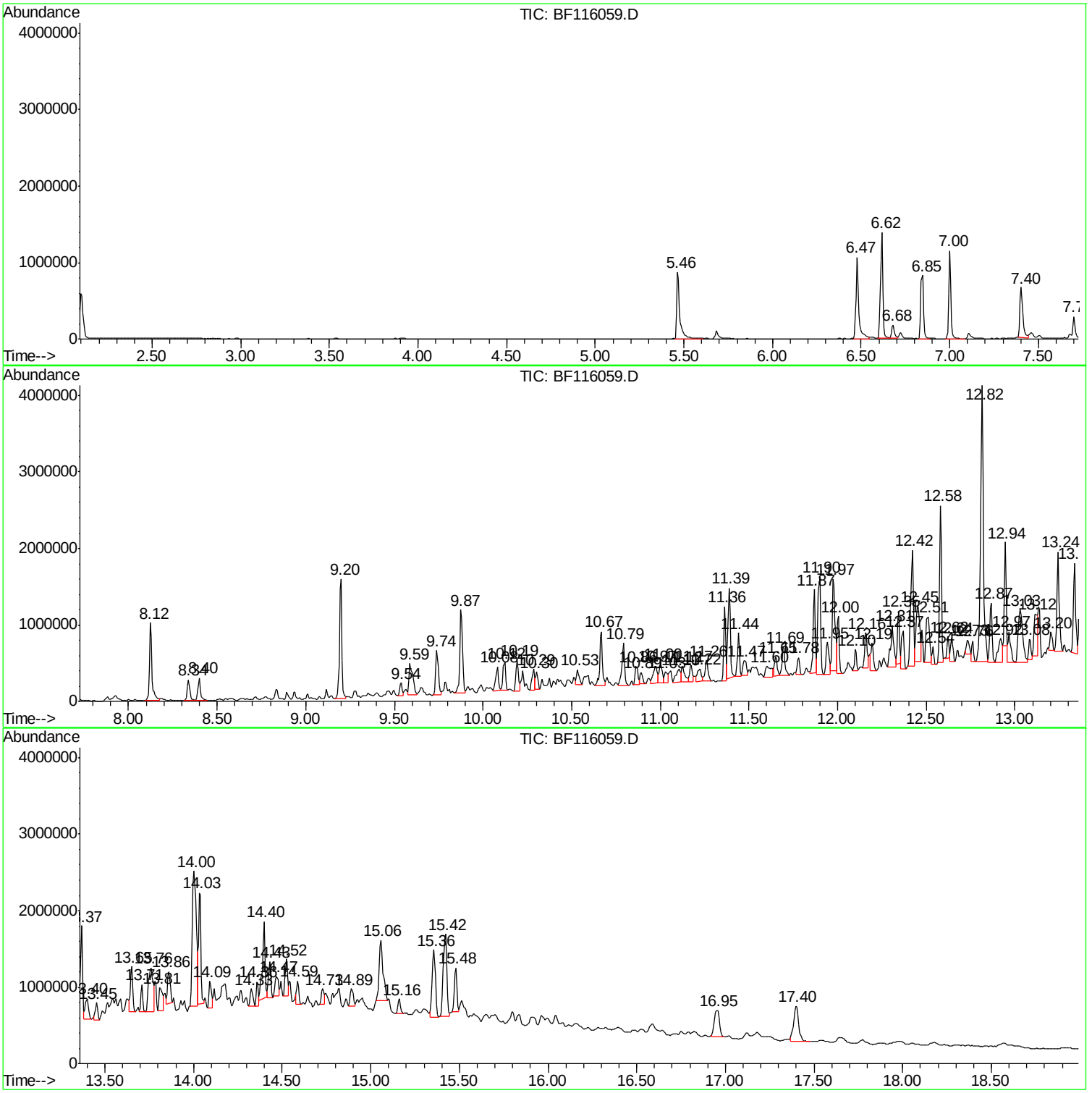
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF080719\
Data File : BF116058.D
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Sample : K4178-01 2X
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Instrument : BNA_F
ClientSampleId : 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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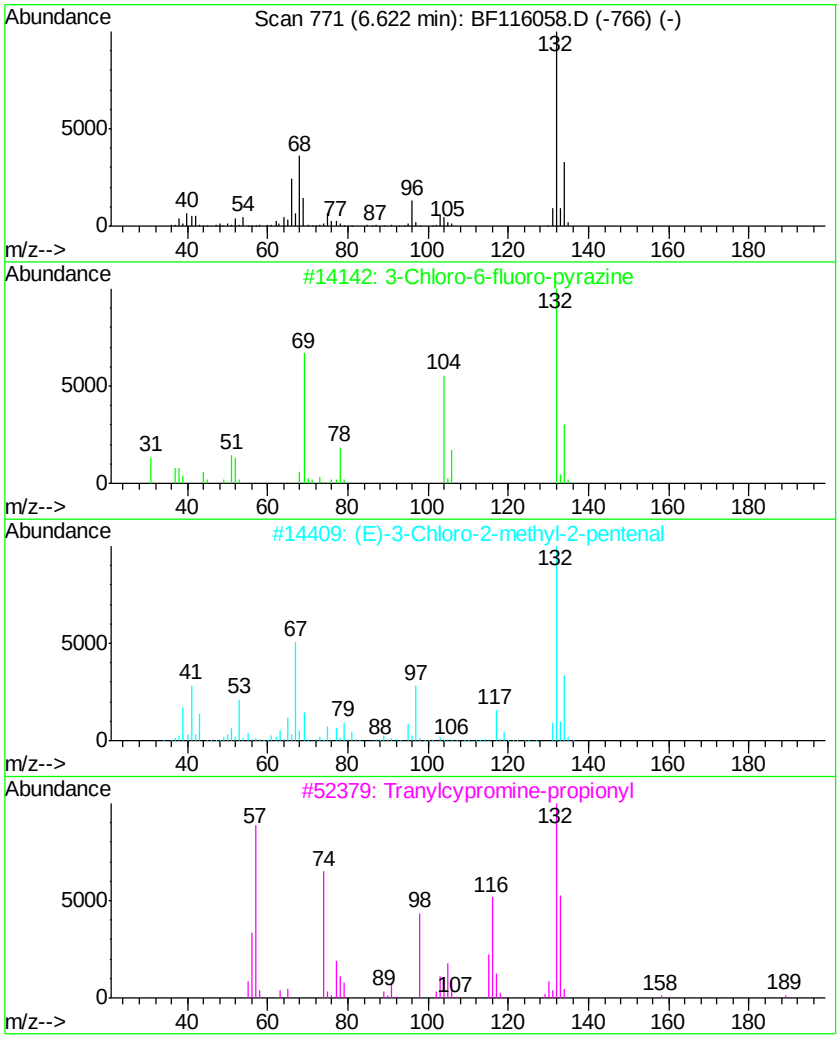
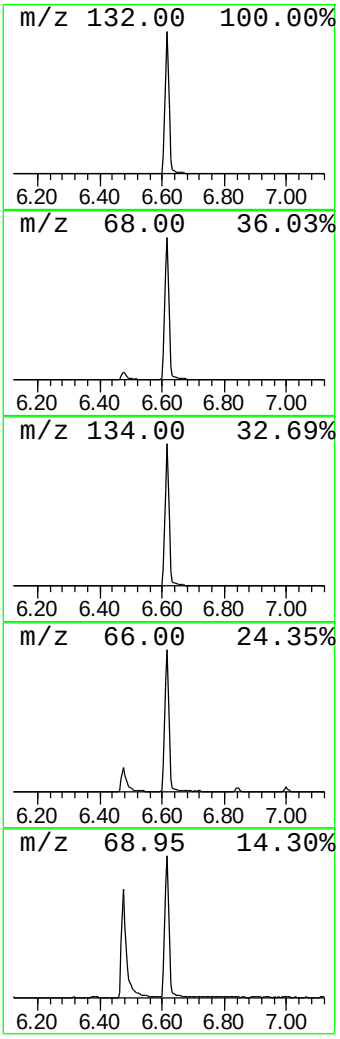
Peak Number 1 unknown6.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	31.13 ng	1232860	1,4-Dichlorobenzene-d4	6.85

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
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Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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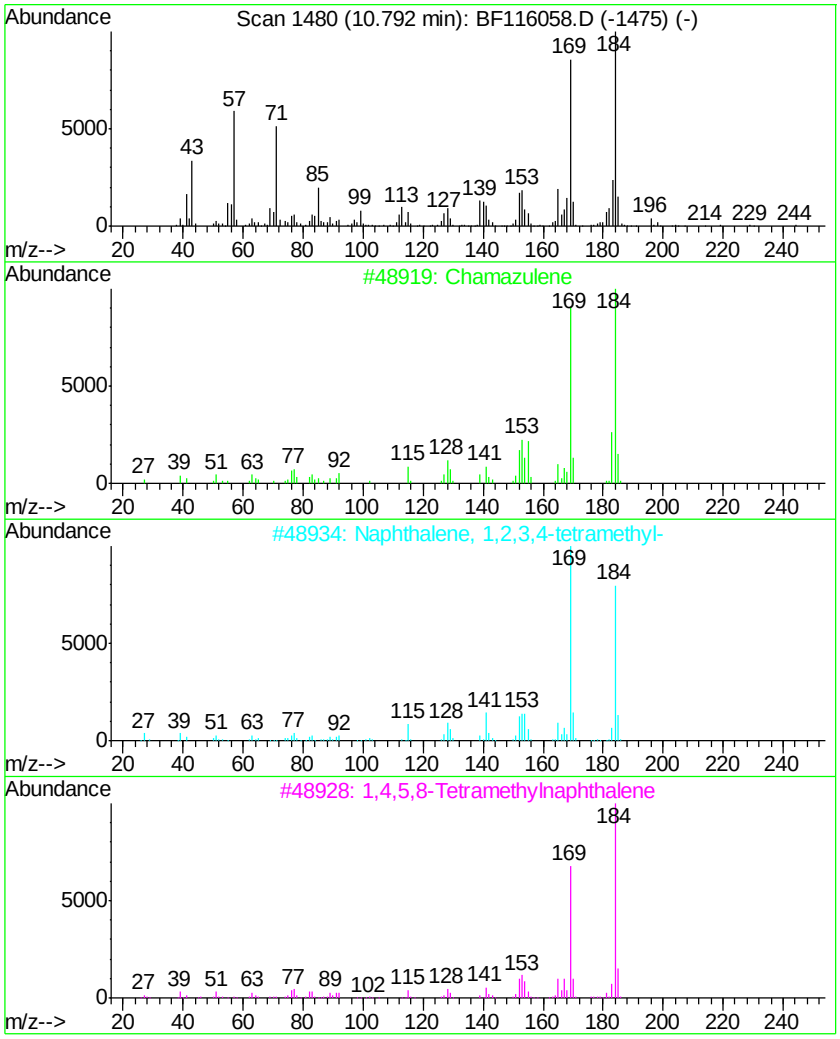
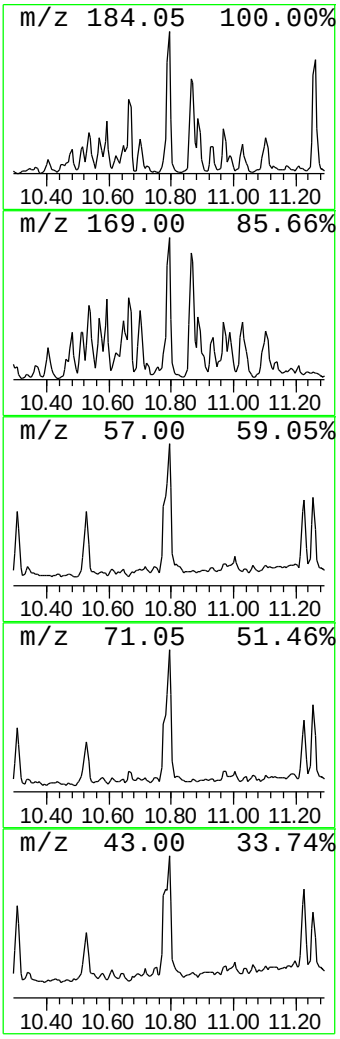
Peak Number 3 Chamazulene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	15.40 ng	646251	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	92
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	83
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	64
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	64
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	58





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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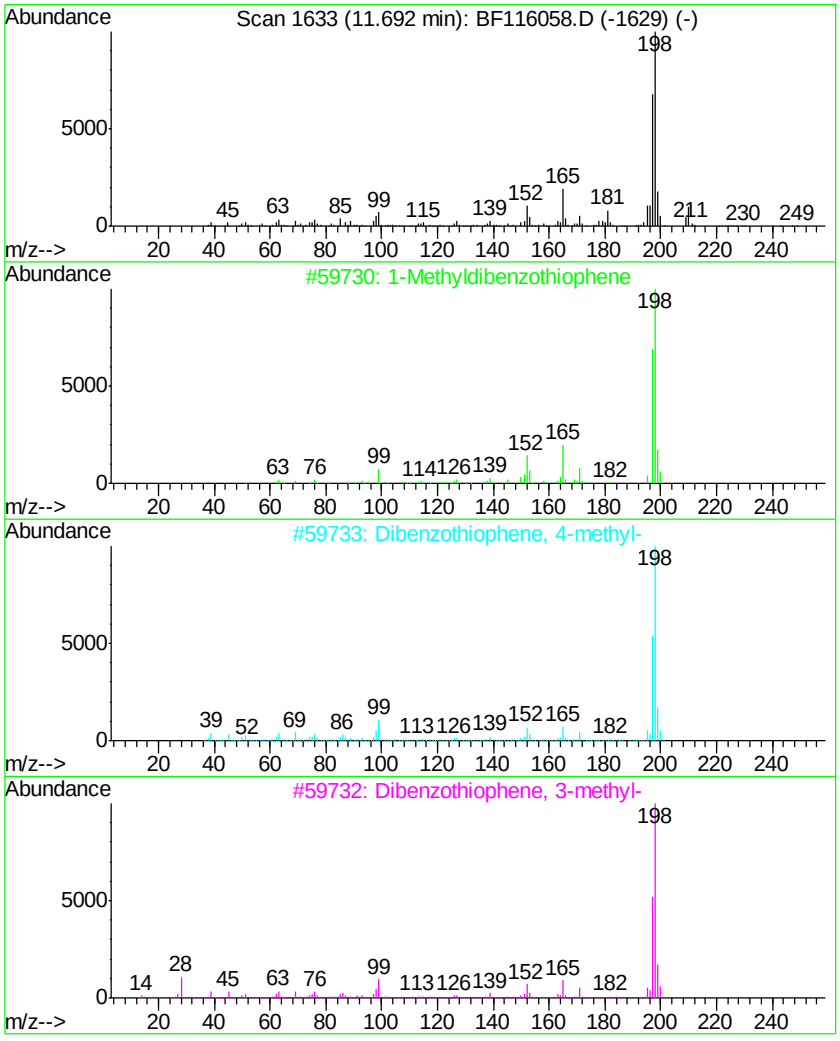
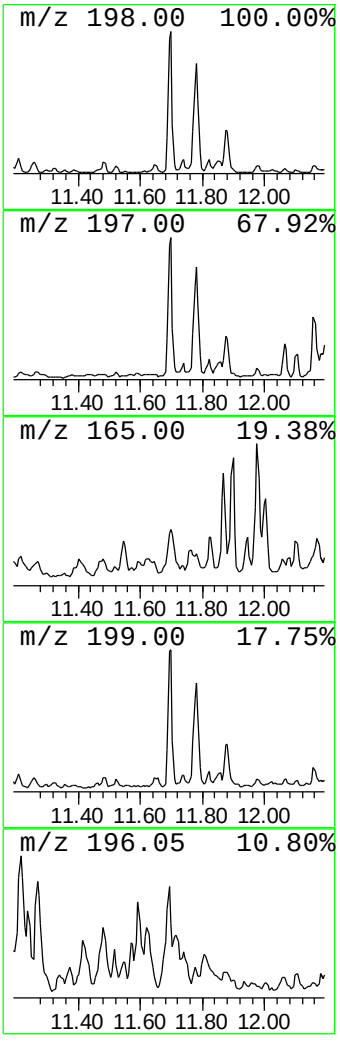
Peak Number 4 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	10.86 ng	455879	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
4	Thioxanthene	198	C13H10S	000261-31-4	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116058.D
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Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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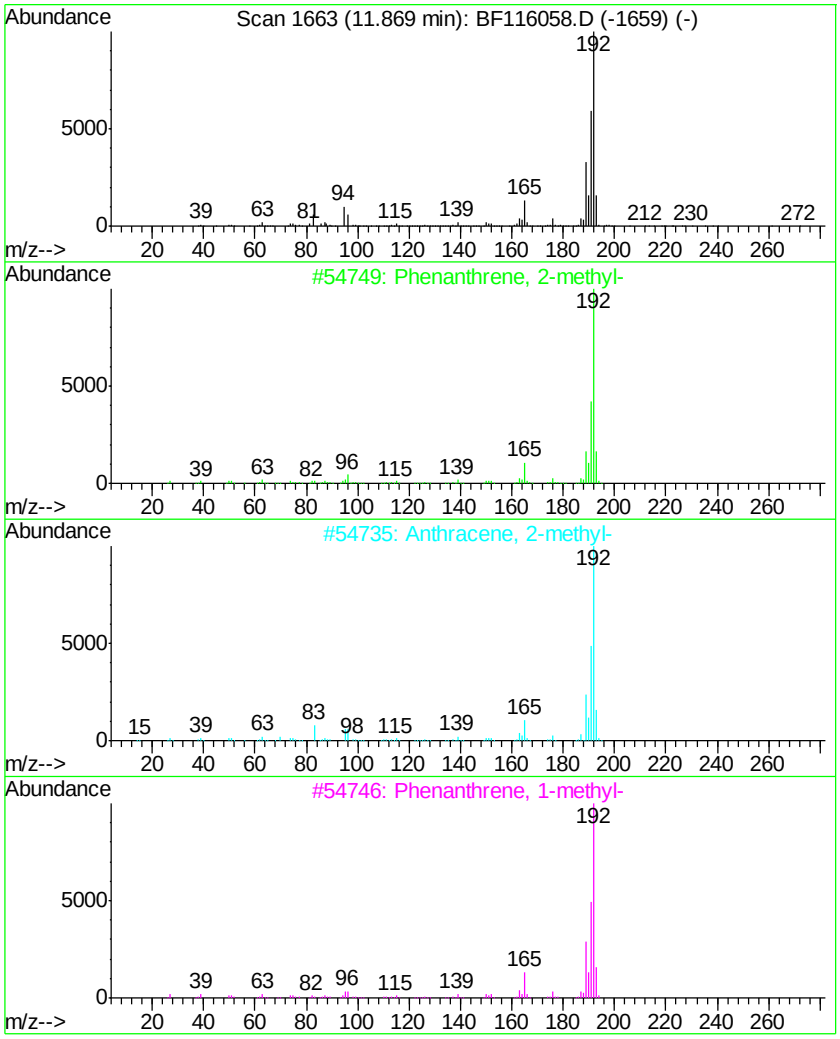
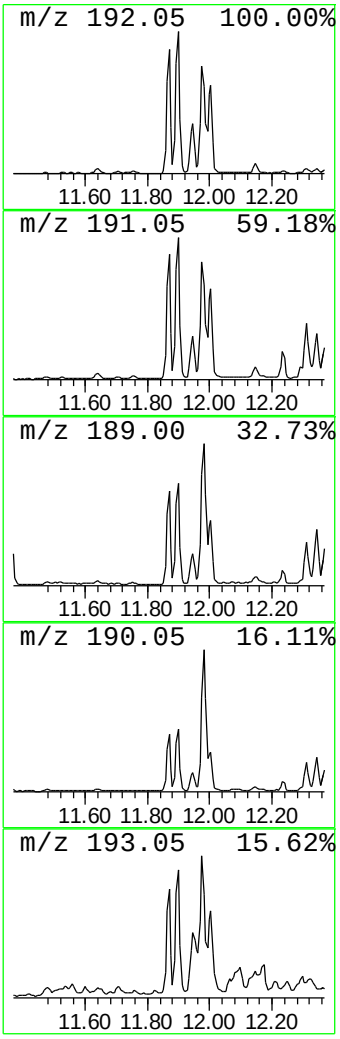
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	23.57 ng	988960	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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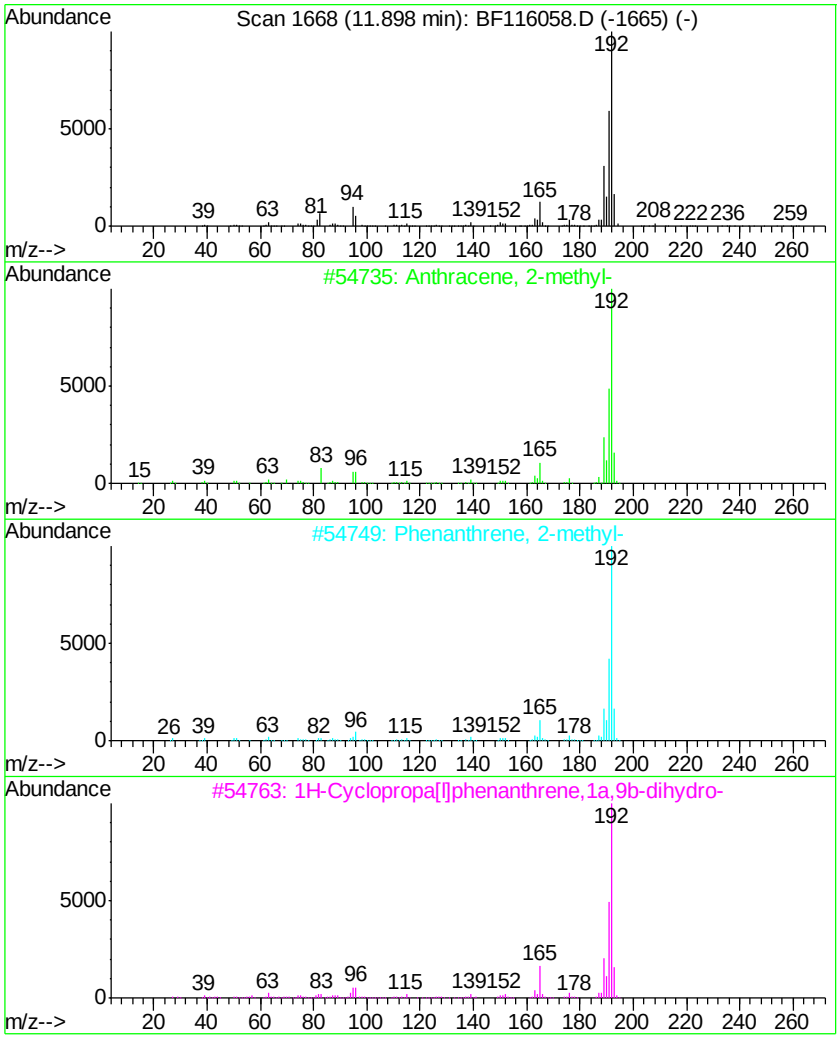
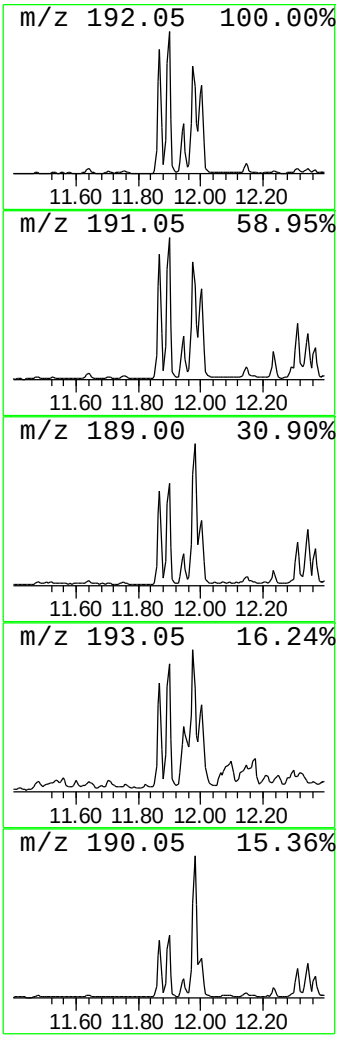
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	28.54 ng	1197480	Phenanthrene-d10	11.36

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

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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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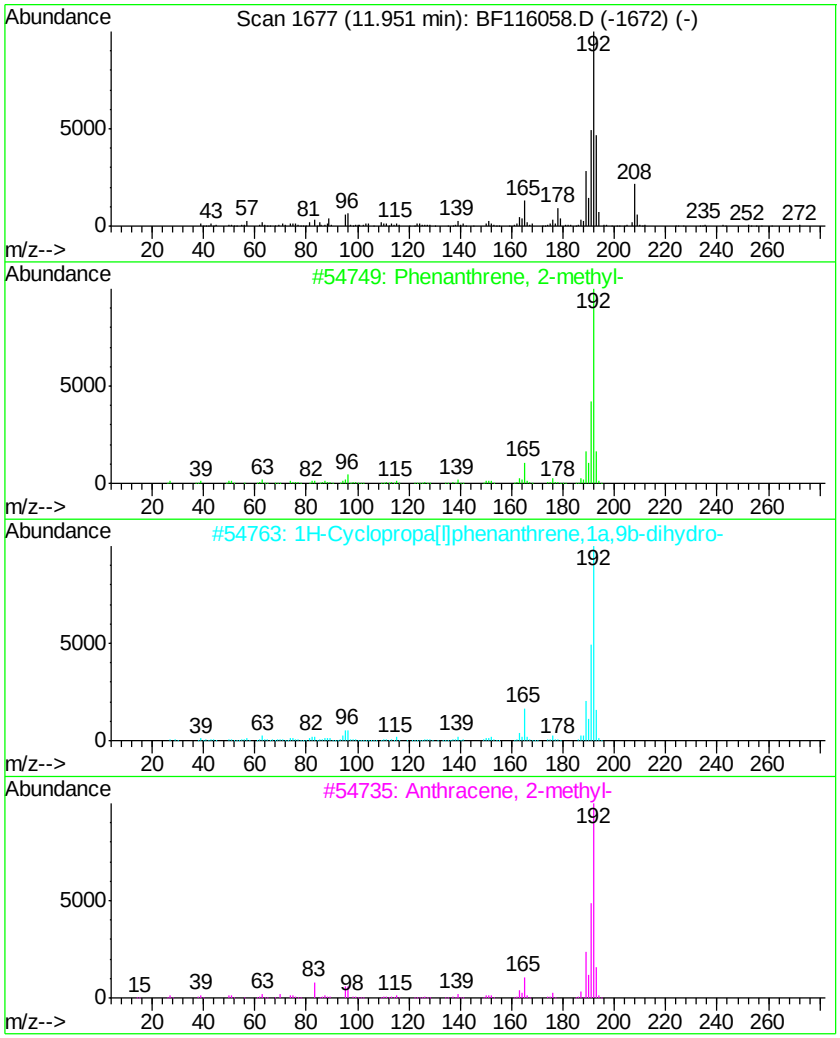
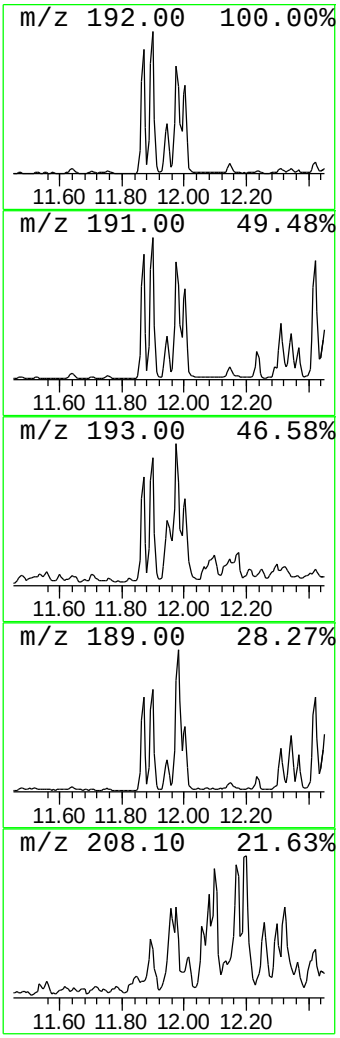
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	10.92 ng	458359	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Misc :
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Instrument : BNA_F
ClientSampleId : 370-371

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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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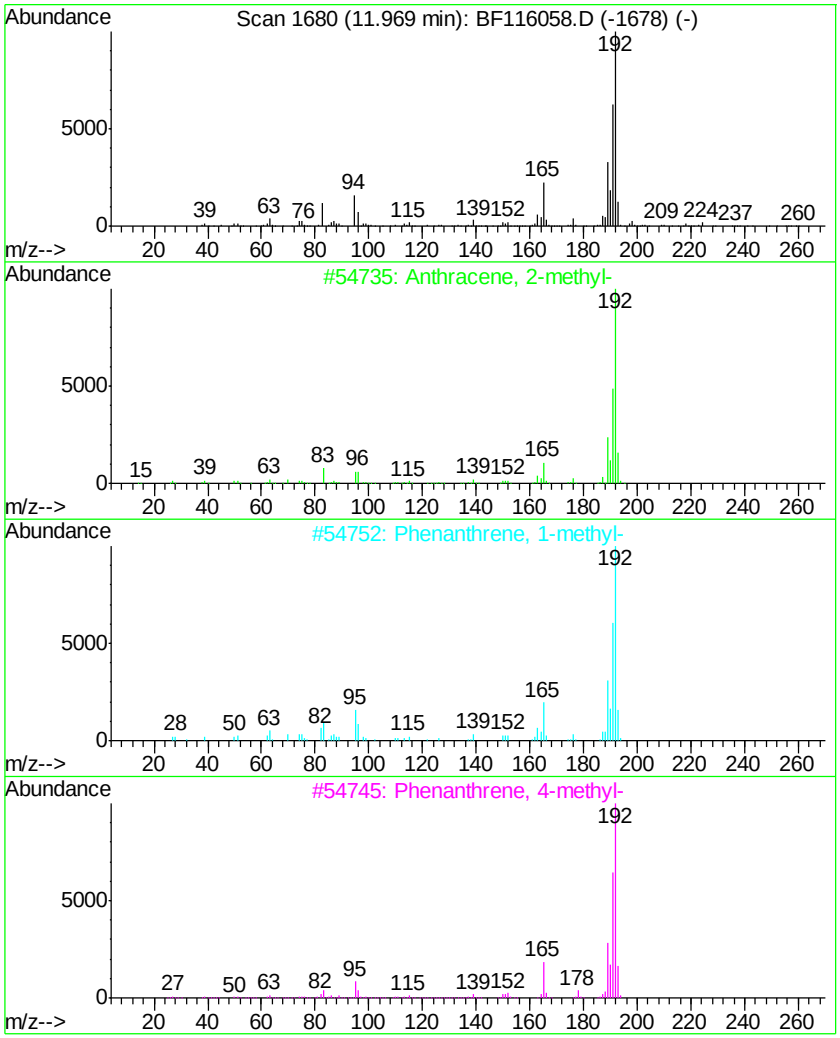
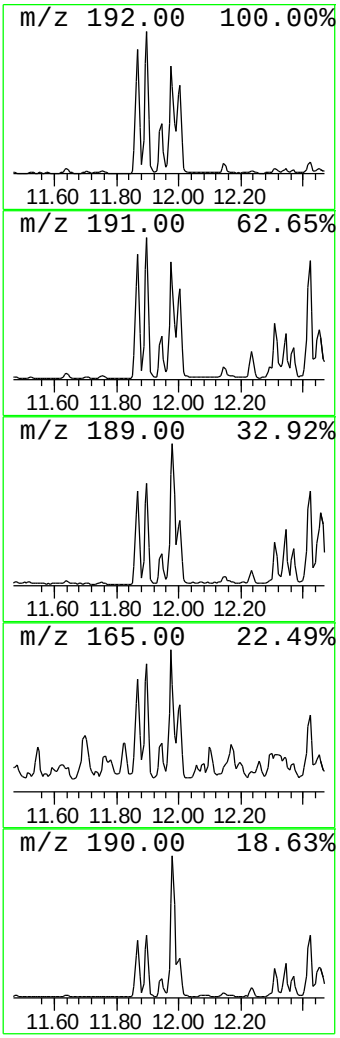
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	33.15 ng	1391060	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70





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Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

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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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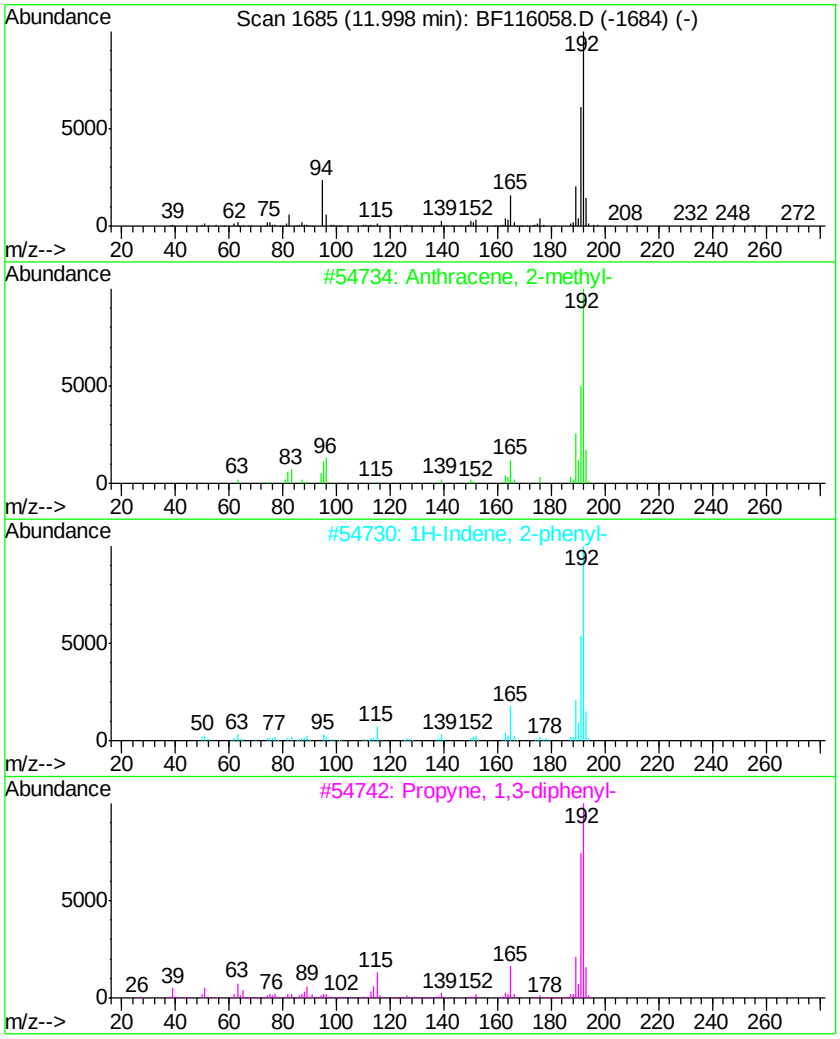
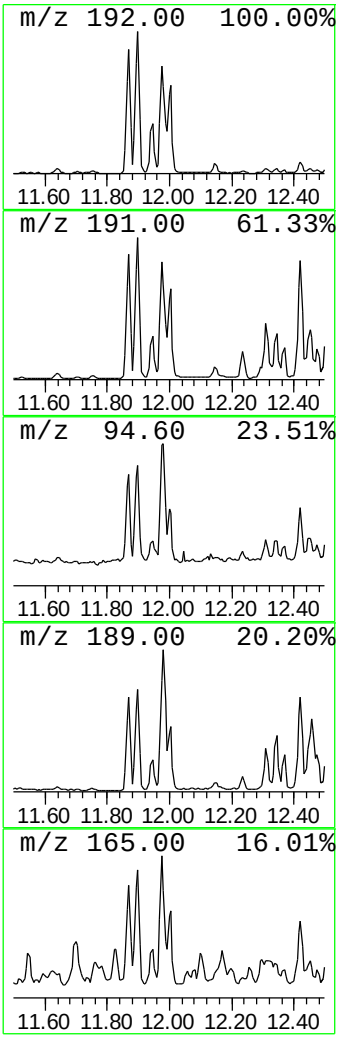
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	14.92 ng	625873	Phenanthrene-d10	11.36

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	90
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	89
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89





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Instrument : BNA_F
ClientSampleId : 370-371

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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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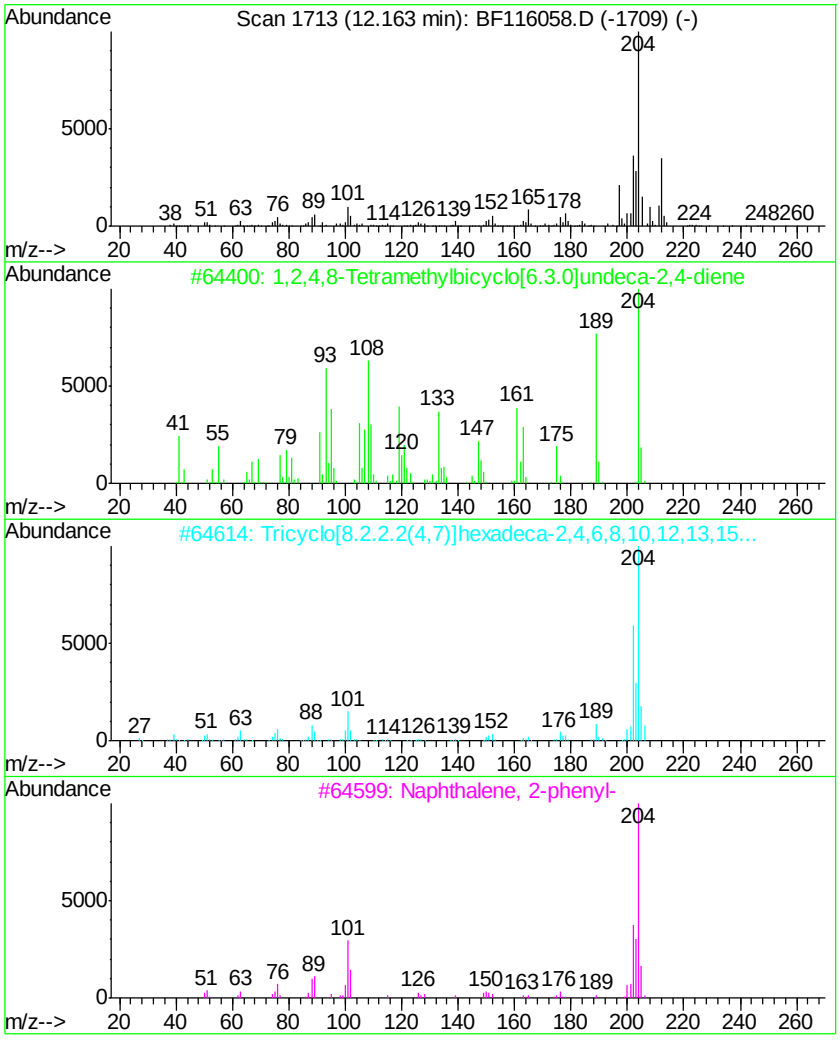
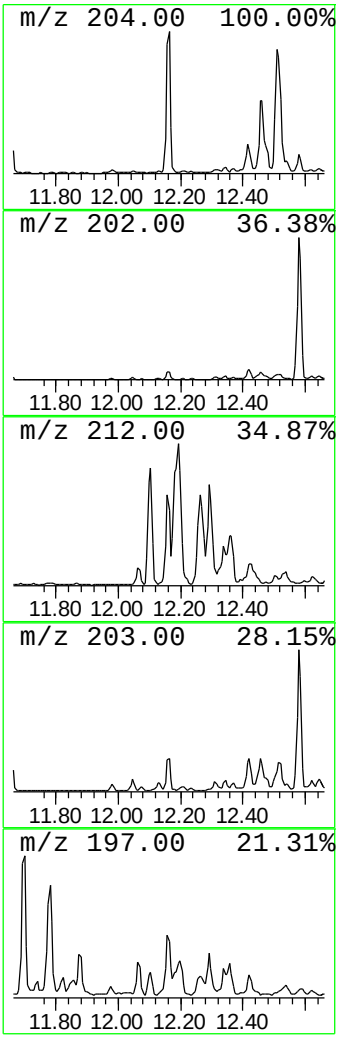
Peak Number 10 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	12.66 ng	531298	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	49
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





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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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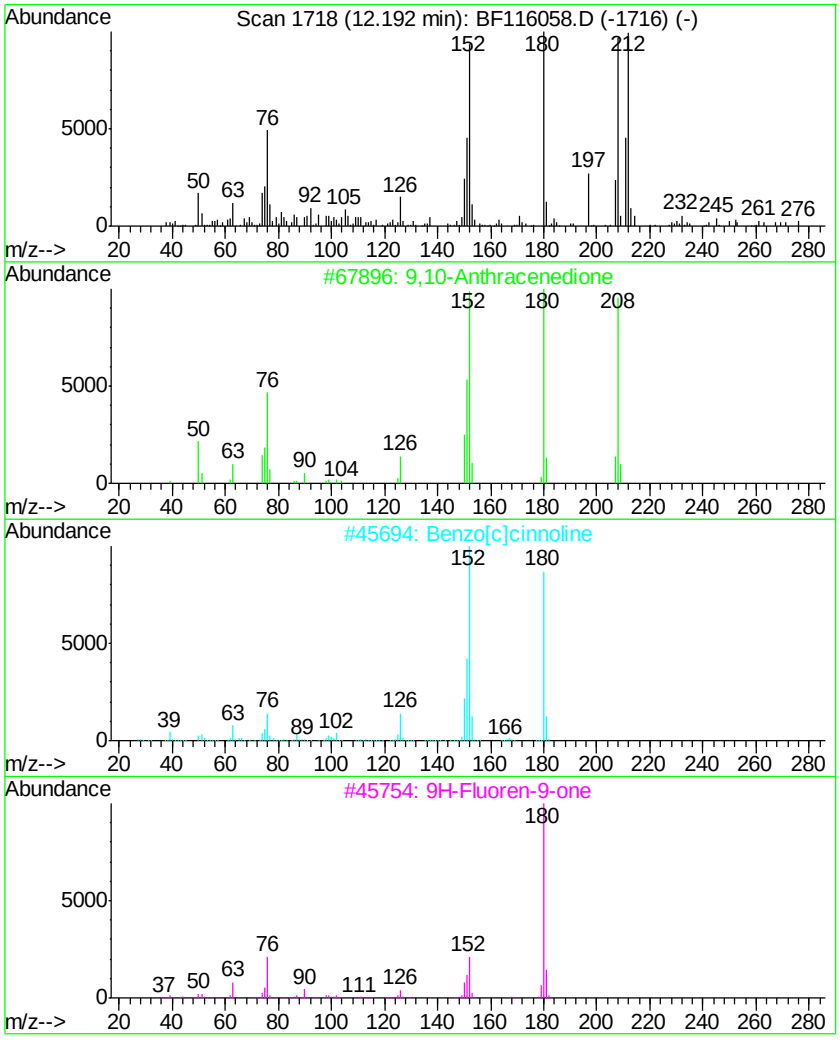
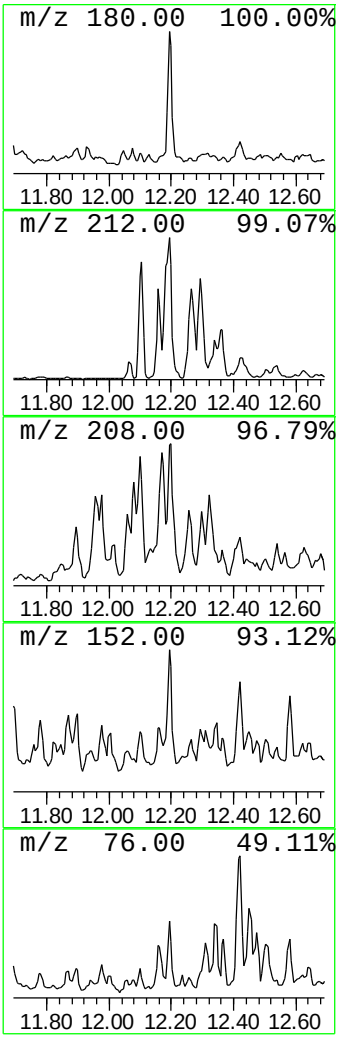
Peak Number 11 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	9.23 ng	387403	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	43
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	42





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Sample : K4178-01 2X
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Instrument : BNA_F
ClientSampleId : 370-371

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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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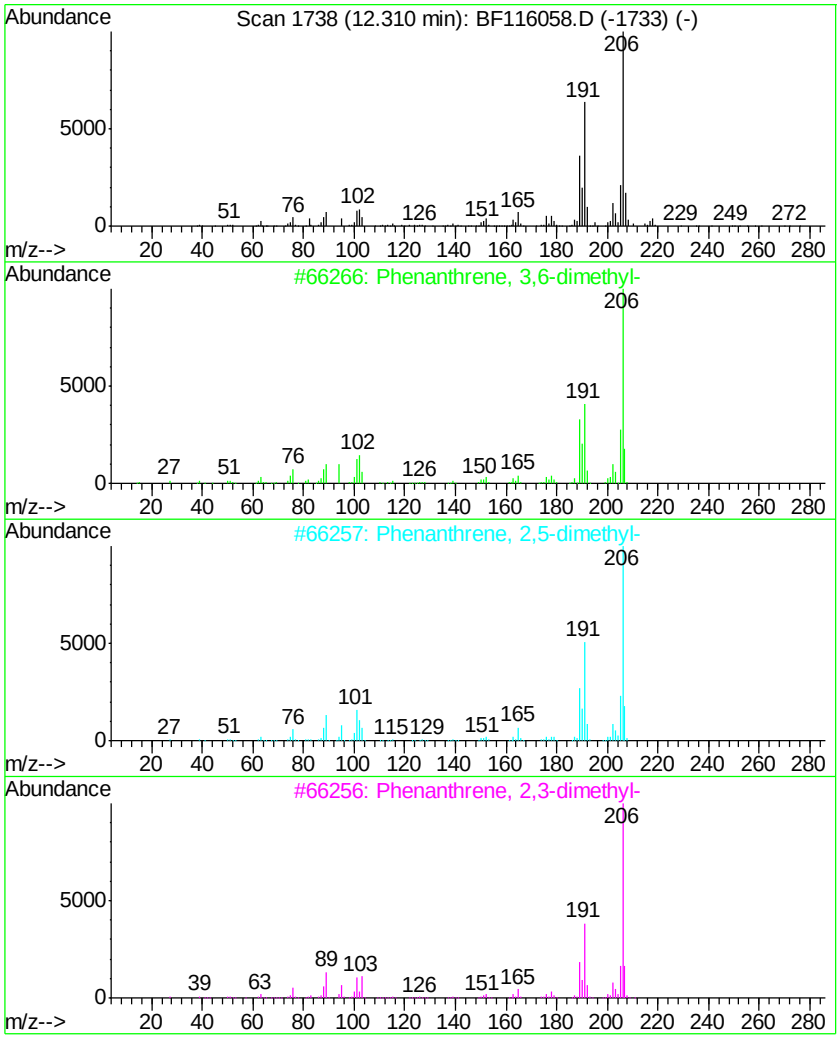
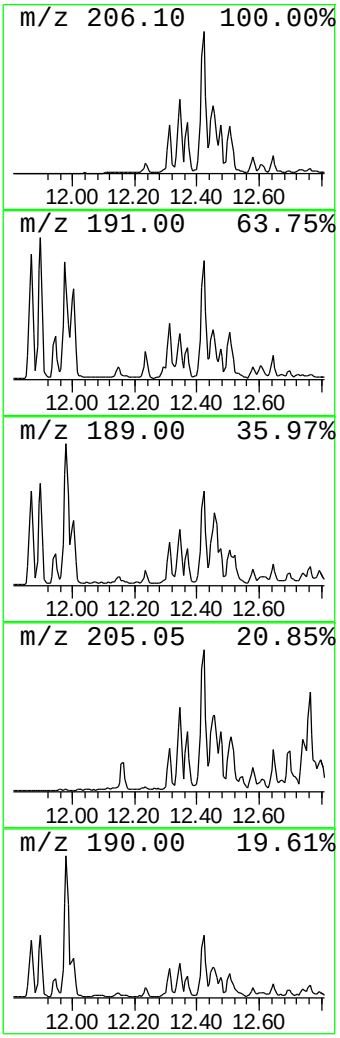
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	17.36 ng	728588	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	80





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

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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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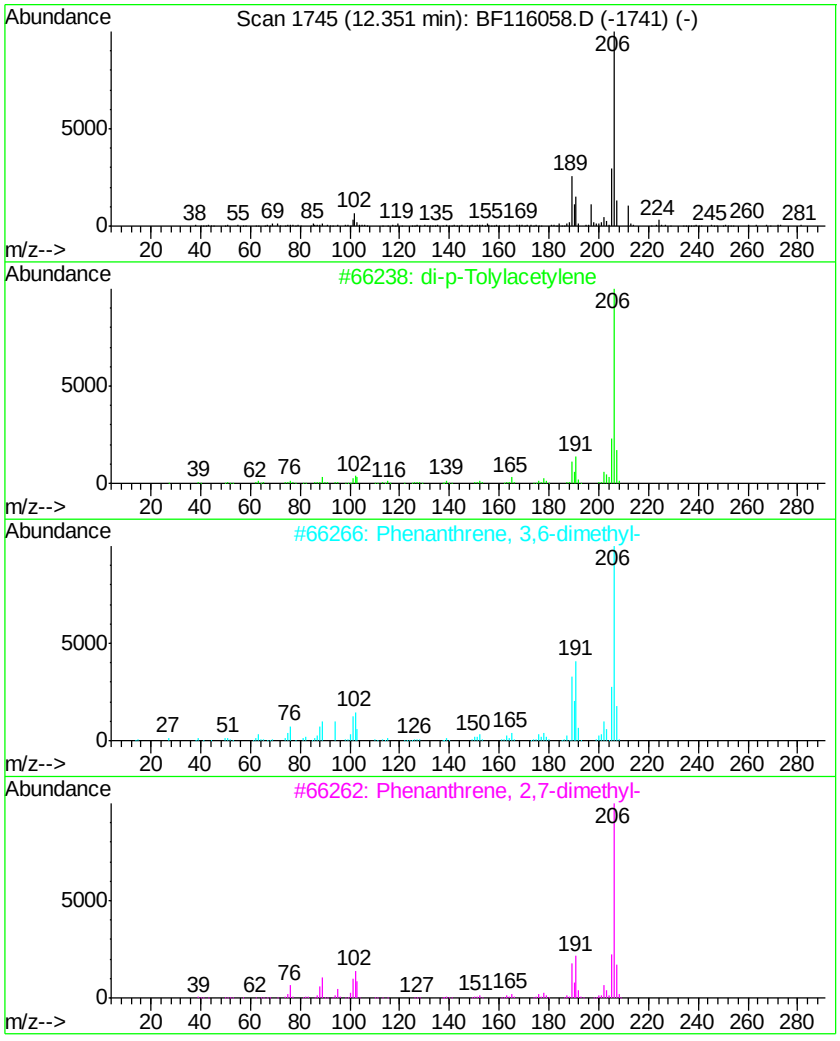
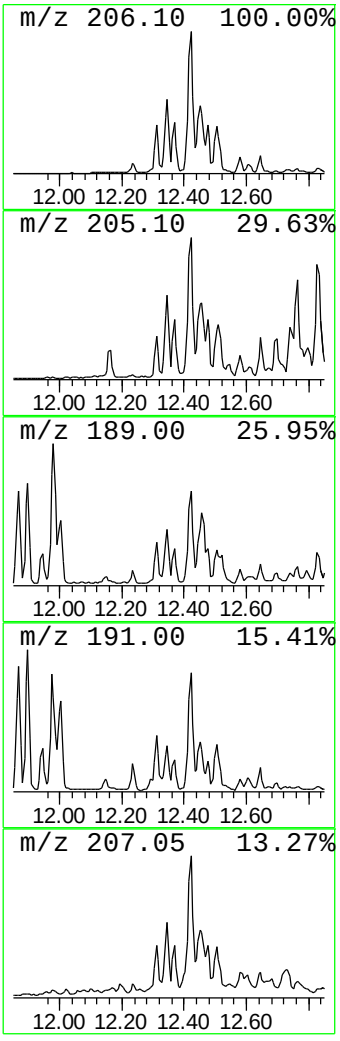
Peak Number 13 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	14.67 ng	615493	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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Instrument : BNA_F
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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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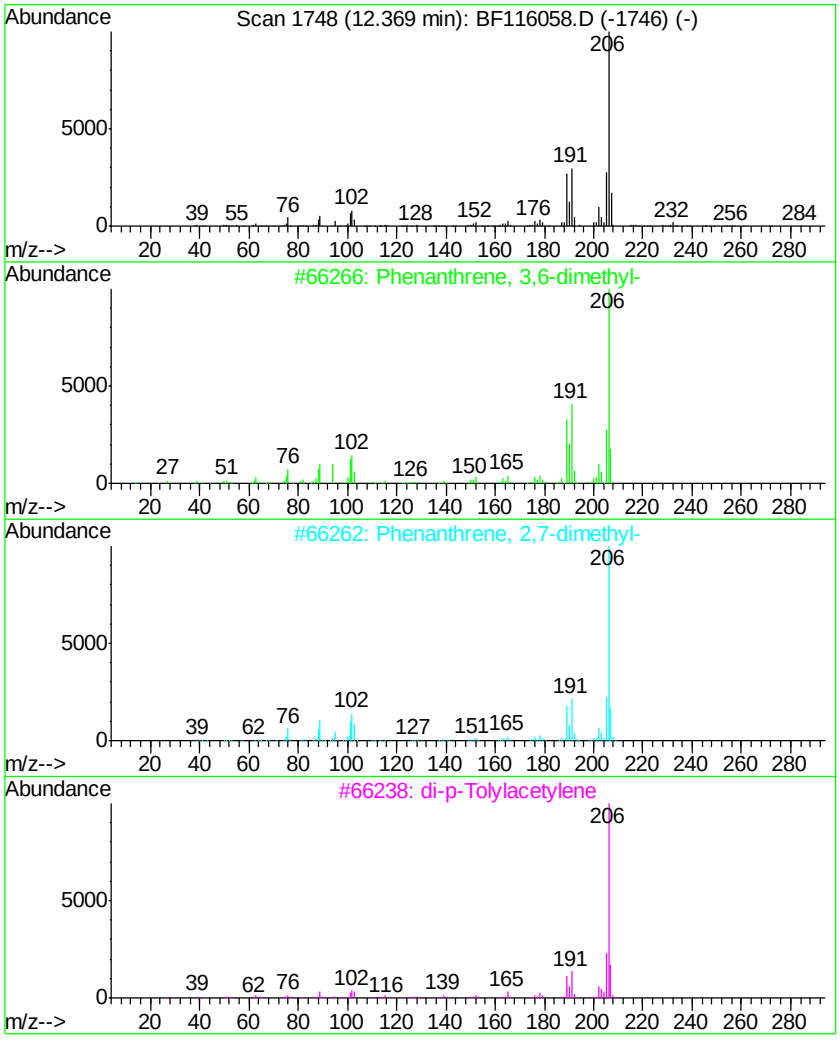
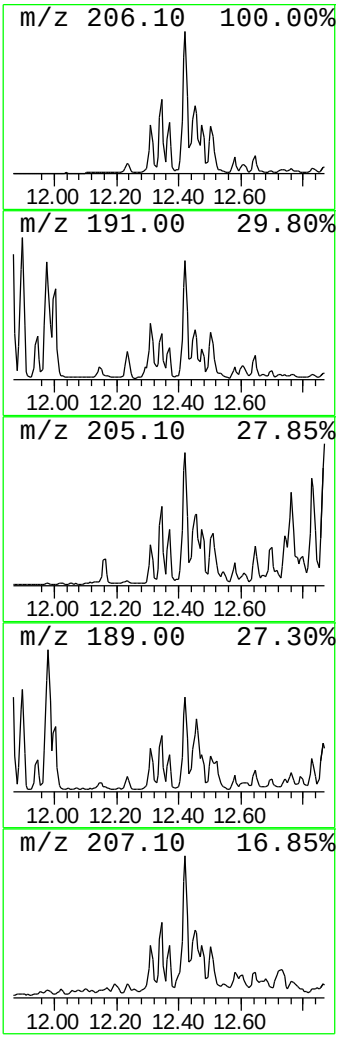
Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	9.52 ng	399355	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	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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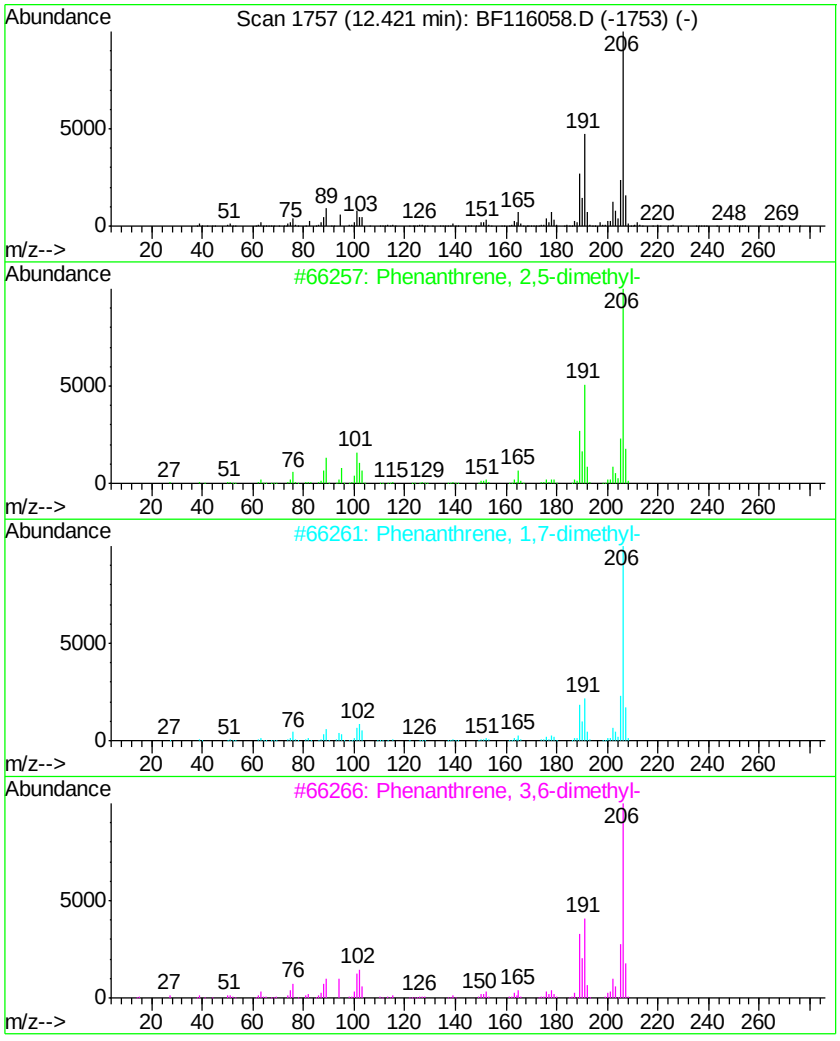
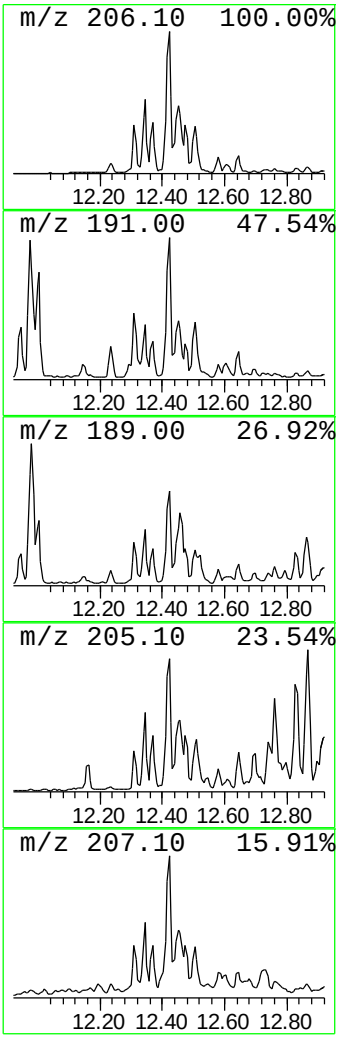
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	37.51 ng	1574070	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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

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TIC Integration Parameters: LSCINT.P

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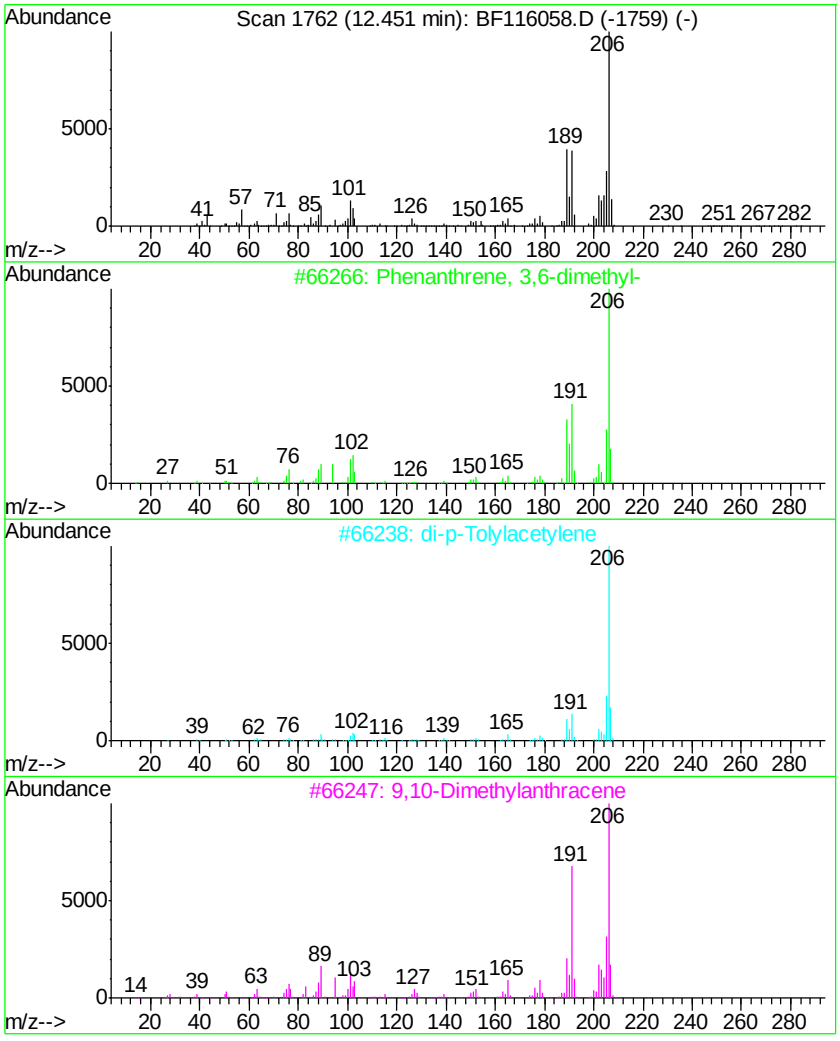
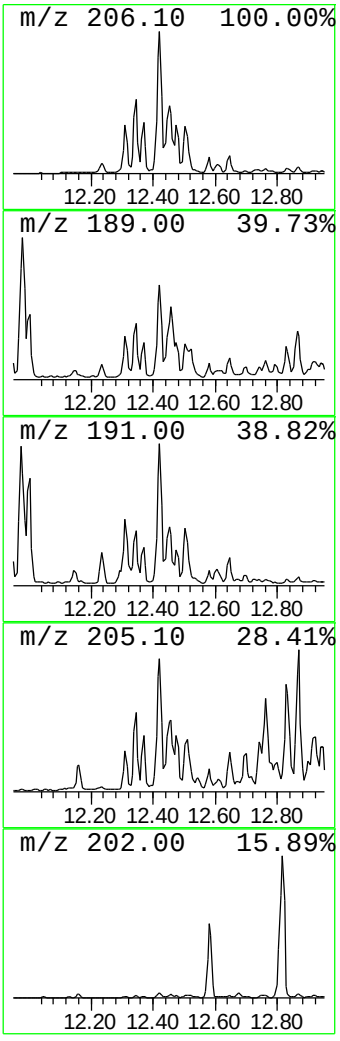
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	24.58 ng	1031420	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70





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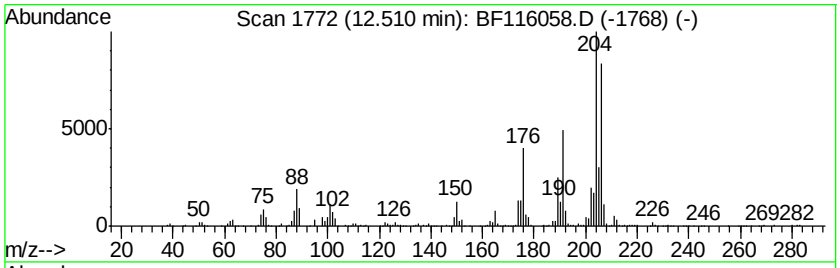
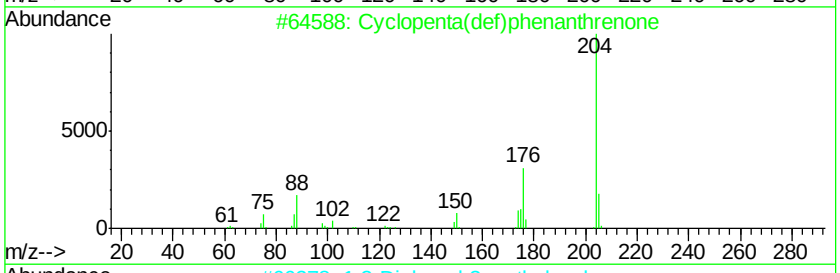
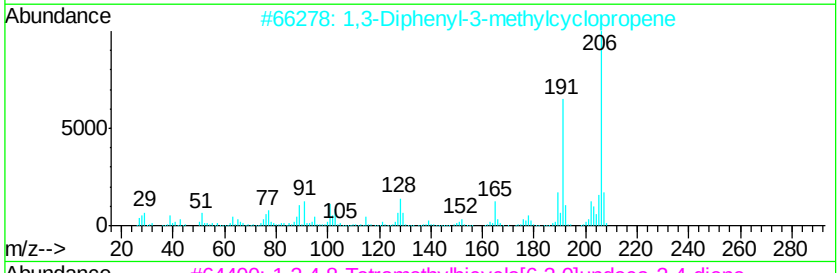
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 9

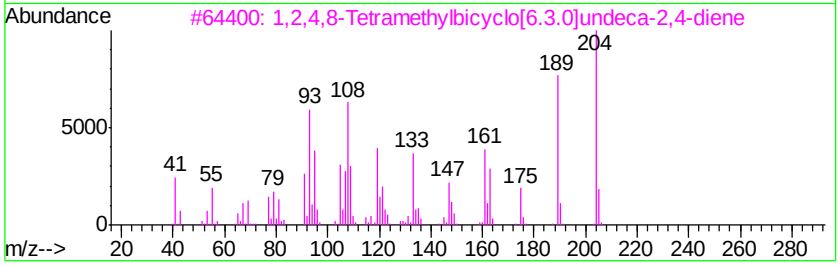
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	18.67 ng	783468	Phenanthrene-d10	11.36

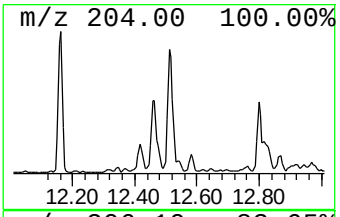
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	68
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	56
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	56

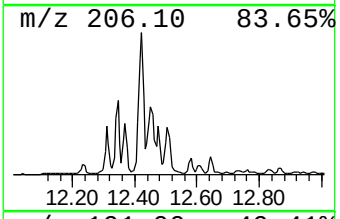


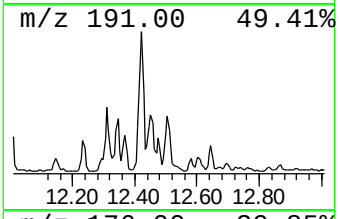


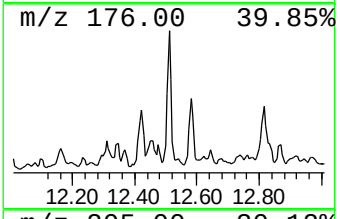


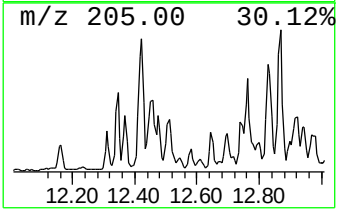












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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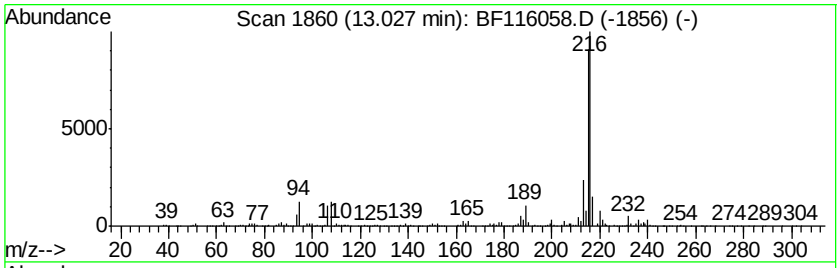
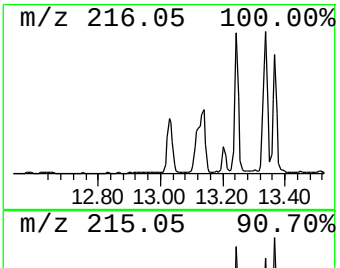
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	9.30 ng	1228180	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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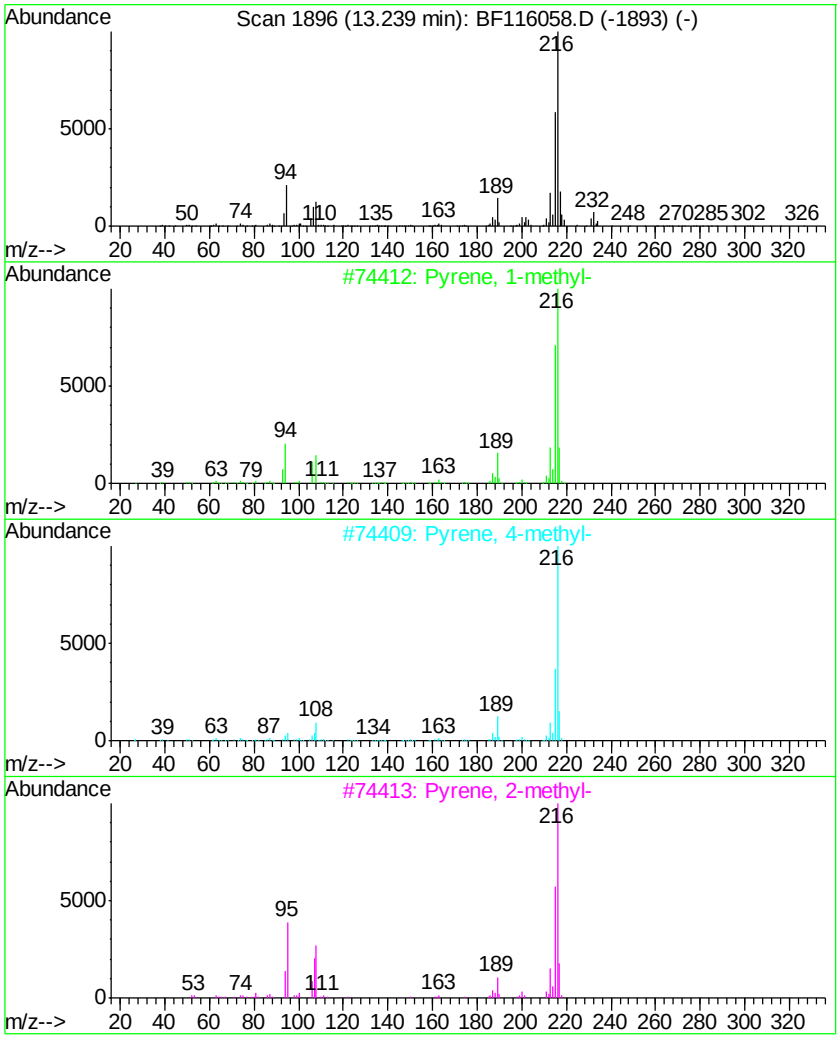
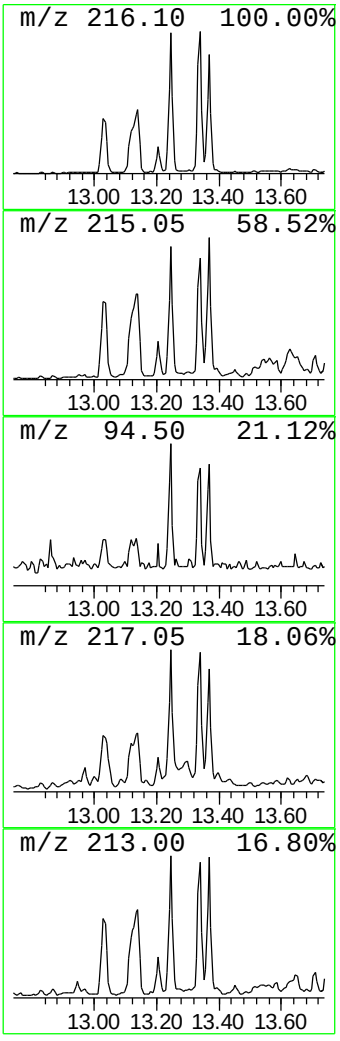
Peak Number 19 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	8.91 ng	1175870	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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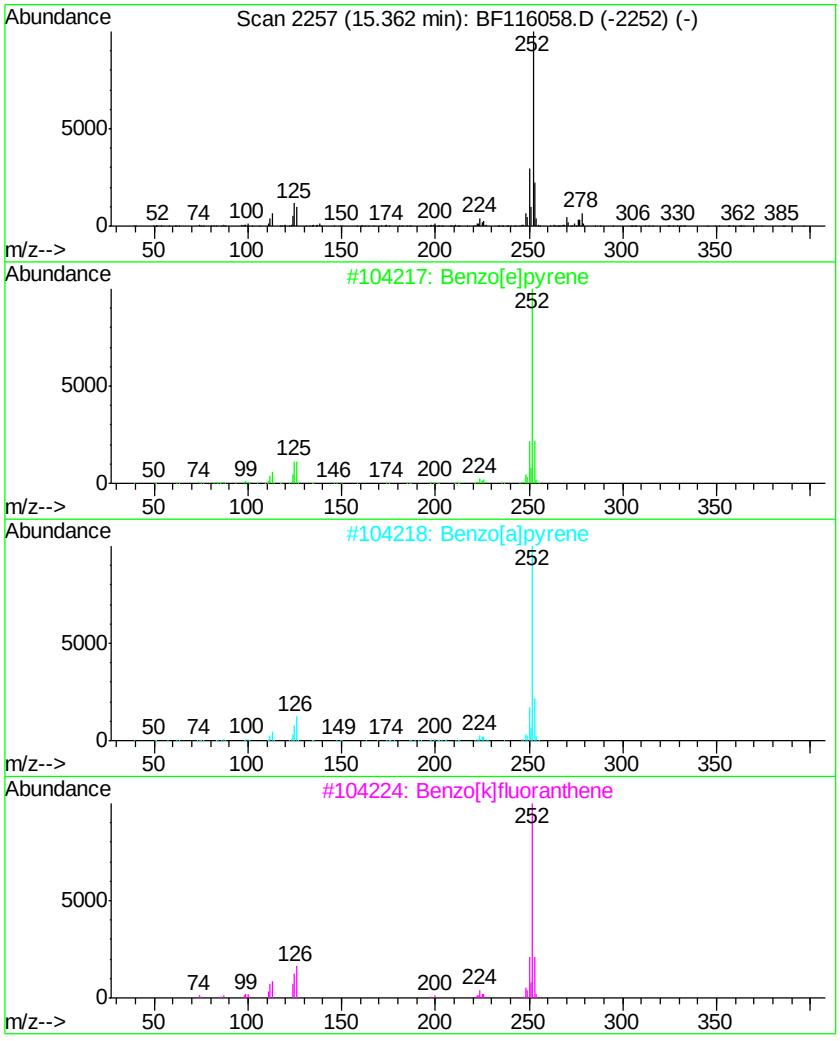
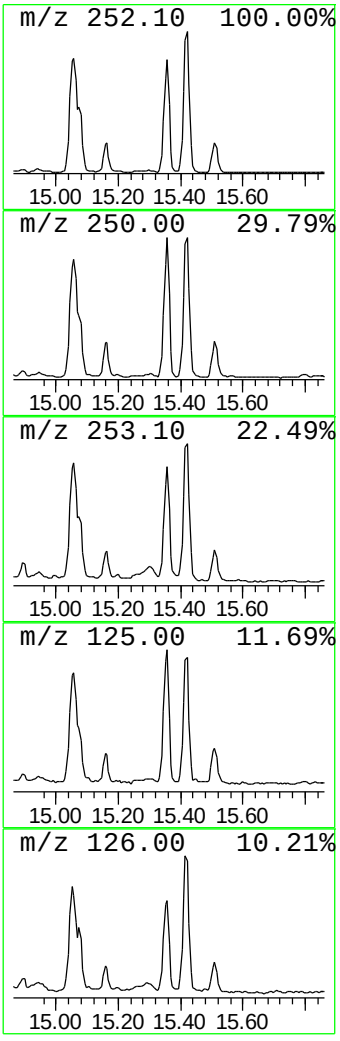
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	32.64 ng	1043580	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080719\
Data File : BF116058.D
Acq On : 7 Aug 2019 20:41
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.62	6.62	31.1	ng	1232860	1	6.85	792146	20.0
Chamazulene	10.79	15.4	ng	646251	4	11.36	839220	20.0
1-Methyldibenzoth...	11.69	10.9	ng	455879	4	11.36	839220	20.0
Phenanthrene, 2-m...	11.87	23.6	ng	988960	4	11.36	839220	20.0
Anthracene, 2-met...	11.90	28.5	ng	1197480	4	11.36	839220	20.0
1H-Cyclopropa[l]p...	11.95	10.9	ng	458359	4	11.36	839220	20.0
Phenanthrene, 1-m...	11.97	33.1	ng	1391060	4	11.36	839220	20.0
1H-Indene, 2-phenyl-	12.00	14.9	ng	625873	4	11.36	839220	20.0
1,2,4,8-Tetrameth...	12.16	12.7	ng	531298	4	11.36	839220	20.0
9,10-Anthracenedione	12.19	9.2	ng	387403	4	11.36	839220	20.0
Phenanthrene, 3,6...	12.31	17.4	ng	728588	4	11.36	839220	20.0
di-p-Tolylacetylene	12.35	14.7	ng	615493	4	11.36	839220	20.0
Phenanthrene, 1,7...	12.37	9.5	ng	399355	4	11.36	839220	20.0
Phenanthrene, 2,5...	12.42	37.5	ng	1574070	4	11.36	839220	20.0
9,10-Dimethylanth...	12.45	24.6	ng	1031420	4	11.36	839220	20.0
Cyclopenta(def)ph...	12.51	18.7	ng	783468	4	11.36	839220	20.0
Pyrene, 1-methyl-	13.03	9.3	ng	1228180	5	14.01	2640420	20.0
Pyrene, 4-methyl-	13.24	8.9	ng	1175870	5	14.01	2640420	20.0
Benzo[e]pyrene	15.36	32.6	ng	1043580	6	15.48	639523	20.0