LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

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-BF051019.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	5.481	573	577	587	rBV	3789656	3541066	77.93%	4.066%
2	6.493	745	749	768	rBV	4203202	4106326	90.37%	4.715%
3	6.628	768	772	775	rBV	4411513	3863951	85.04%	4.437%
4	6.851	807	810	818	rVB	1825972	1488485	32.76%	1.709%
5	7.010	833	837	840	rBV	3287204	2769549	60.95%	3.180%
6	7.410	901	905	908	rBV	2883349	2542237	55.95%	2.919%
7	8.134	1022	1028	1030	rBV	2304515	1888587	41.56%	2.169%
8	8.151	1030	1031	1037	rVB	332470	281577	6.20%	0.323%
9	8.845	1146	1149	1154	rVB	260589	202987	4.47%	0.233%
10	8.945	1162	1166	1170	rBV	164340	137627	3.03%	0.158%
11	9.204	1206	1210	1220	rBV	4498674	3890216	85.62%	4.467%
12	9.304	1225	1227	1232	rVB	108220	99529	2.19%	0.114%
13	9.475	1251	1256	1259	rBV2	78702	107269	2.36%	0.123%
14	9.545	1265	1268	1270	rBV	137540	128320	2.82%	0.147%
15	9.598	1274	1277	1285	rVB	841825	781985	17.21%	0.898%
16	9.663	1285	1288	1297	rVB	83428	106844	2.35%	0.123%
17	9.745	1299	1302	1306	rBV	628589	514662	11.33%	0.591%
18	9.886	1319	1326	1330	rBV	2327677	2094736	46.10%	2.405%
19	10.086	1356	1360	1364	rVV2	90373	99872	2.20%	0.115%
20	10.539	1431	1437	1441	rBV3	88432	128065	2.82%	0.147%
21	10.675	1455	1460	1467	rBV	2919451	2606812	57.37%	2.993%
22	10.798	1477	1481	1487	rBV4	186067	258011	5.68%	0.296%
23	10.980	1508	1512	1515	rBV5	82157	115639	2.55%	0.133%
24	11.175	1543	1545	1549	rVB	210624	177283	3.90%	0.204%
25	11.233	1550	1555	1558	rBV2	105174	98876	2.18%	0.114%
26	11.269	1558	1561	1566	rVB	213261	221710	4.88%	0.255%
27	11.369	1575	1578	1580	rBV	2076339	1966885	43.29%	2.259%
28	11.392	1580	1582	1589	rVB	2143935	2014788	44.34%	2.314%
29	11.445	1589	1591	1594	rVB	373795	283072	6.23%	0.325%
30	11.475	1594	1596	1600	rBV2	118687	127200	2.80%	0.146%
31	11.551	1603	1609	1612	rVB4	86285	120377	2.65%	0.138%
32	11.604	1612	1618	1622	rBV5	63958	136100	3.00%	0.156%
33	11.663	1624	1628	1631	rVB	368275	332003	7.31%	0.381%
34	11.704	1631	1635	1639	rVB	239874	214412	4.72%	0.246%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.786	1647	1649	1652	rVB	102558	102842	2.26%	0.118%
36	11.828	1652	1656	1660	rBV2	118003	150291	3.31%	0.173%
37	11.875	1660	1664	1666	rBV	744411	726295	15.98%	0.834%
38	11.898	1666	1668	1672	rVV2	1261836	1164809	25.64%	1.338%
39	11.945	1674	1676	1679	rVB	123054	107470	2.37%	0.123%
40	11.980	1679	1682	1685	rBV2	967087	1045409	23.01%	1.200%
41	12.010	1685	1687	1691	rVB	565906	473277	10.42%	0.543%
42	12.069	1691	1697	1701	rBV3	134904	241322	5.31%	0.277%
43	12.104	1701	1703	1706	rVB2	129843	104742	2.31%	0.120%
44	12.169	1710	1714	1716	rVV	620508	577362	12.71%	0.663%
45	12.192	1716	1718	1724	rVB2	655312	613770	13.51%	0.705%
46	12.316	1737	1739	1742	rVV	197192	185012	4.07%	0.212%
47	12.351	1742	1745	1747	rVV	206642	183535	4.04%	0.211%
48	12.375	1747	1749	1751	rVB	166803	125915	2.77%	0.145%
49	12.422	1751	1757	1760	rBV	643420	849870	18.70%	0.976%
50	12.457	1760	1763	1765	rVV2	354515	404046	8.89%	0.464%
51	12.480	1765	1767	1769	rVB	221643	163895	3.61%	0.188%
52	12.510	1769	1772	1777	rBV	549596	604209	13.30%	0.694%
53	12.586	1780	1785	1789	rBV	3074413	2754162	60.61%	3.163%
54	12.627	1789	1792	1794	rBV	188759	169967	3.74%	0.195%
55	12.651	1794	1796	1798	rVB3	132242	109327	2.41%	0.126%
56	12.680	1798	1801	1804	rBV	642620	513936	11.31%	0.590%
57	12.716	1804	1807	1809	rBV2	224162	211773	4.66%	0.243%
58	12.816	1819	1824	1830	rBV	4329331	4543701	100.00%	5.218%
59	12.869	1830	1833	1837	rVB2	198557	246941	5.43%	0.284%
60	12.951	1841	1847	1855	rVB	3314914	3206224	70.56%	3.682%
61	13.033	1857	1861	1867	rBV3	506032	793722	17.47%	0.911%
62	13.086	1868	1870	1872	rBV2	136787	116405	2.56%	0.134%
63	13.122	1872	1876	1877	rVV2	505171	546779	12.03%	0.628%
64	13.139	1877	1879	1882	rVV	564174	531739	11.70%	0.611%
65	13.186	1884	1887	1888	rVV2	127312	115057	2.53%	0.132%
66	13.210	1888	1891	1894	rVV	217969	219540	4.83%	0.252%
67	13.245	1894	1897	1905	rVB	804996	743583	16.37%	0.854%
68	13.339	1910	1913	1915	rVV	766967	615869	13.55%	0.707%
69	13.369	1915	1918	1921	rVB	634960	533609	11.74%	0.613%
70	13.457	1931	1933	1936	rVB3	106139	102417	2.25%	0.118%
71	13.651	1963	1966	1970	rVB	501615	529555	11.65%	0.608%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

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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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.757	1980	1984	1987	rVV2	480070	578189	12.73%	0.664%
73	13.786	1987	1989	1991	rVV	548247	450901	9.92%	0.518%
74	13.816	1991	1994	1996	rVV	411699	386404	8.50%	0.444%
75	13.845	1996	1999	2006	rVB3	734062	1138933	25.07%	1.308%
76	14.010	2022	2027	2030	rBV2	2378427	3698371	81.40%	4.247%
77	14.039	2030	2032	2040	rVB	2285599	2071419	45.59%	2.379%
78	14.098	2040	2042	2046	rBV3	149801	186577	4.11%	0.214%
79	14.133	2046	2048	2049	rBV2	146289	115753	2.55%	0.133%
80	14.157	2049	2052	2063	rVB	758639	987739	21.74%	1.134%
81	14.269	2069	2071	2074	rVB3	145848	132602	2.92%	0.152%
82	14.363	2085	2087	2089	rBV2	197570	174967	3.85%	0.201%
83	14.398	2089	2093	2096	rVV	613201	793890	17.47%	0.912%
84	14.433	2096	2099	2103	rVV2	493880	612312	13.48%	0.703%
85	14.480	2103	2107	2112	rVV3	574160	933893	20.55%	1.072%
86	14.527	2112	2115	2117	rVV2	401848	469842	10.34%	0.540%
87	14.545	2117	2118	2122	rVV	354643	301531	6.64%	0.346%
88	14.598	2124	2127	2130	rVB	270027	260103	5.72%	0.299%
89	14.780	2156	2158	2162	rVB3	152236	162504	3.58%	0.187%
90	14.821	2163	2165	2168	rVB	204679	206548	4.55%	0.237%
91	14.857	2168	2171	2174	rBV2	252951	254946	5.61%	0.293%
92	15.057	2201	2205	2212	rBV	1679336	3193201	70.28%	3.667%
93	15.116	2212	2215	2218	rVV2	219846	237230	5.22%	0.272%
94	15.163	2220	2223	2227	rVB	341687	361315	7.95%	0.415%
95	15.363	2252	2257	2262	rVB	1389365	1753692	38.60%	2.014%
96	15.421	2263	2267	2272	rBV	1434698	1748187	38.47%	2.008%
97	15.486	2273	2278	2281	rBV	1306170	1593022	35.06%	1.829%
98	15.927	2349	2353	2356	rBV2	152603	204326	4.50%	0.235%
99	16.951	2522	2527	2535	rVB2	593772	1108090	24.39%	1.272%
100	17.398	2597	2603	2612	rVB	528518	1090719	24.01%	1.253%

Sum of corrected areas: 87082641

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
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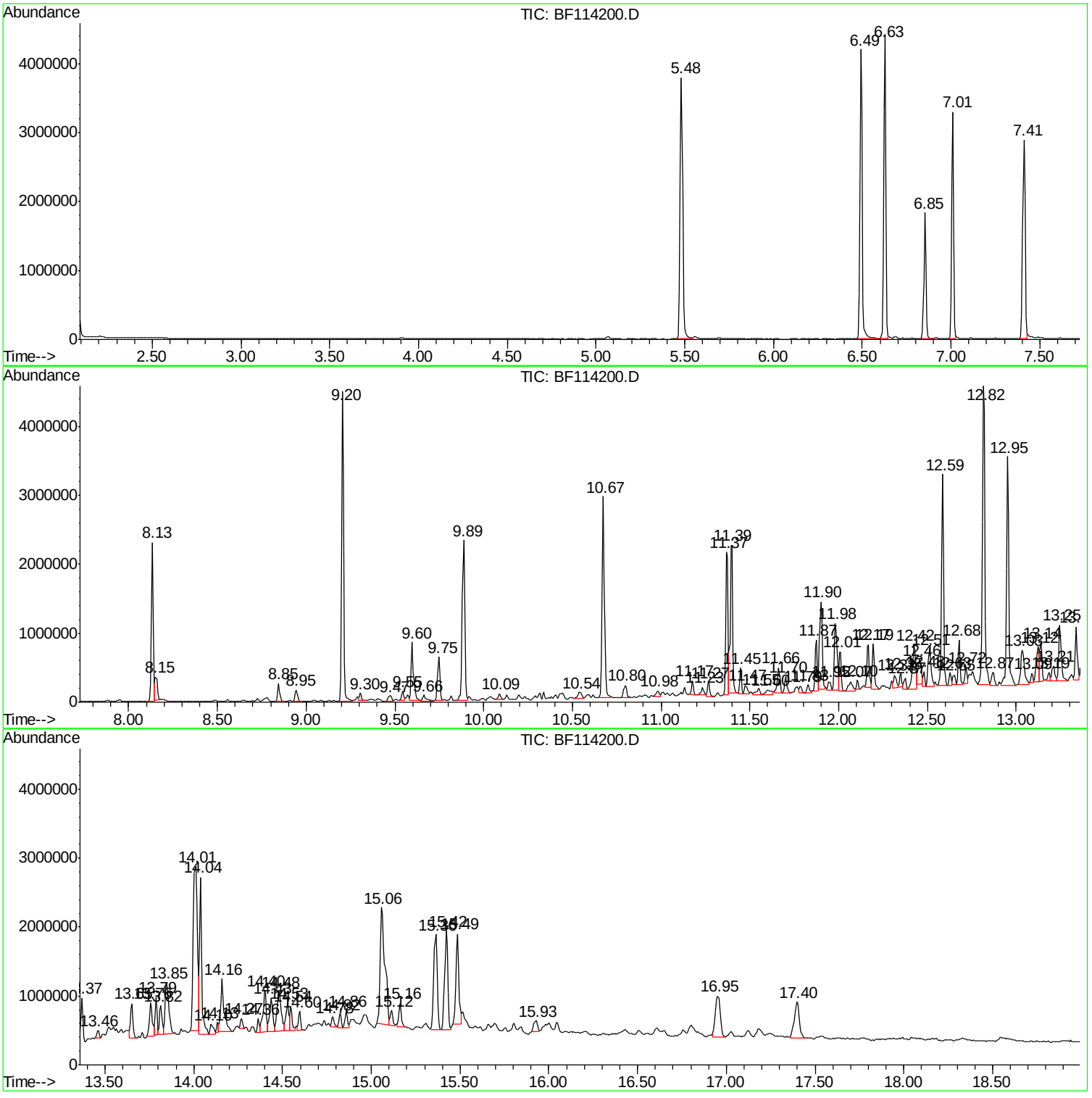
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

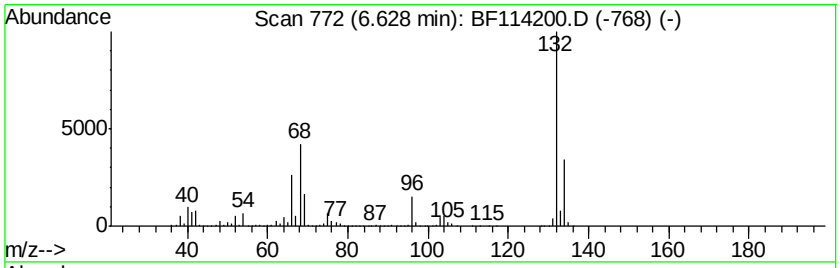
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

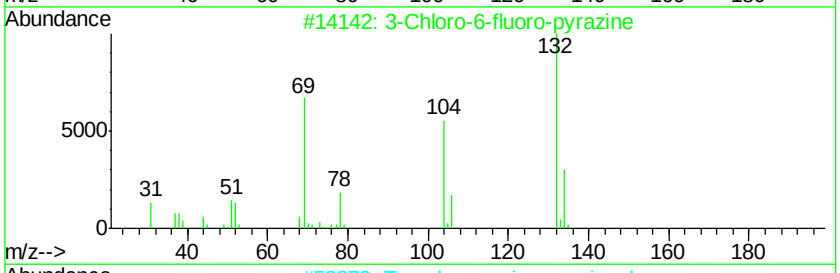
****

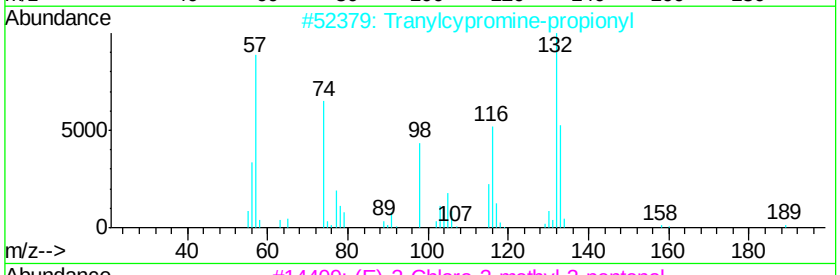
Peak Number 1 unknown6.63 Concentration Rank 1

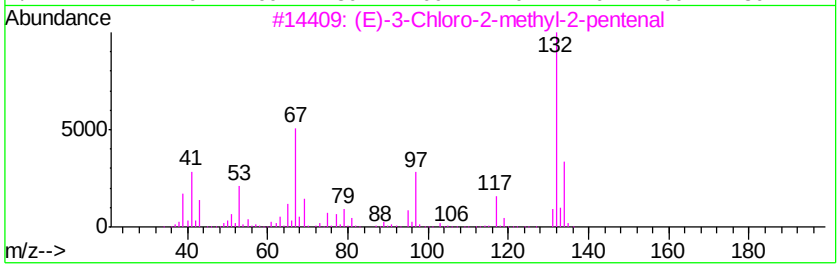
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	51.92 ng	3863950	1,4-Dichlorobenzene-d4	6.85

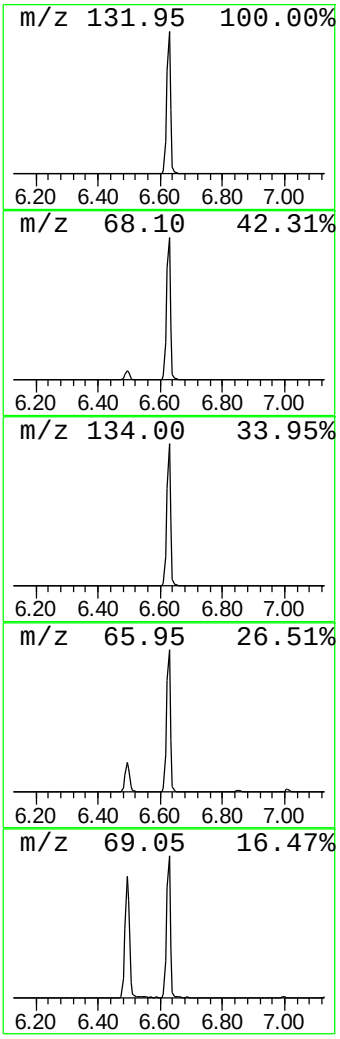
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	Xenon	132	Xe	007440-63-3	9











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Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

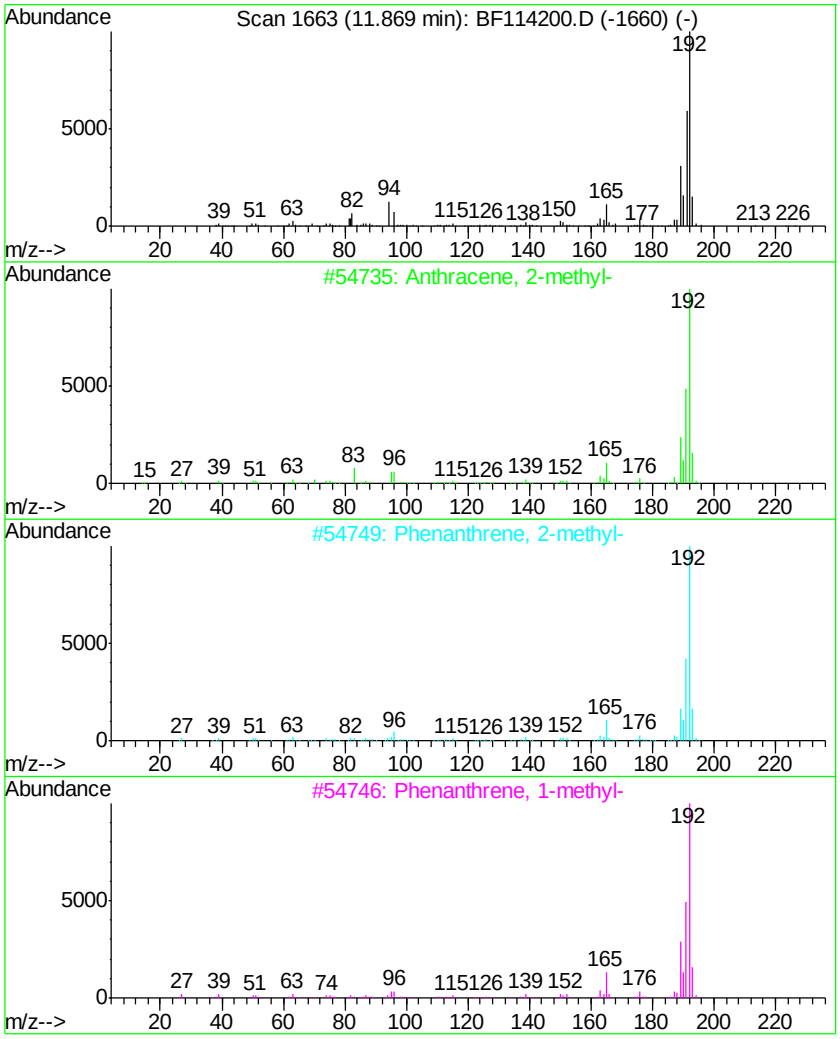
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

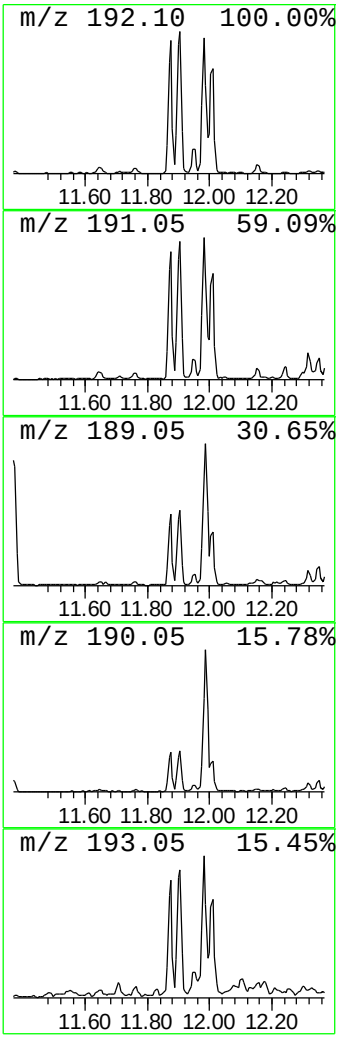
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	7.39 ng	726295	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114200.D
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Operator : JU/SJ
Sample : K2767-04
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

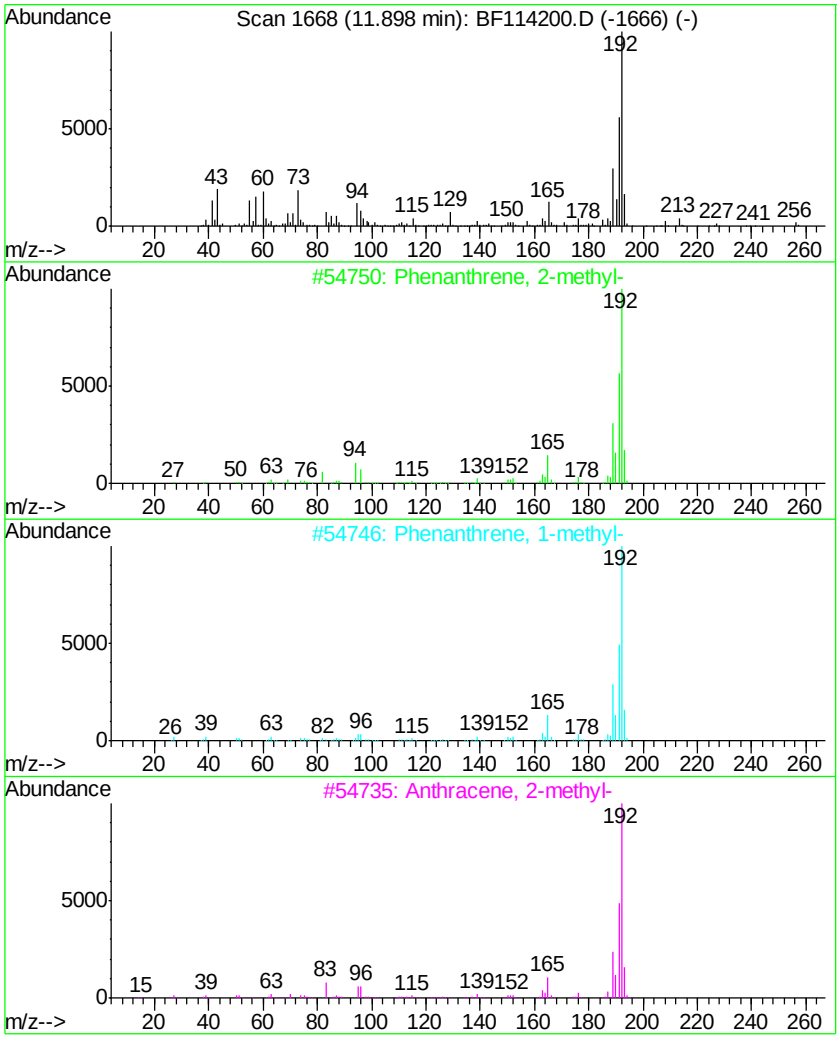
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

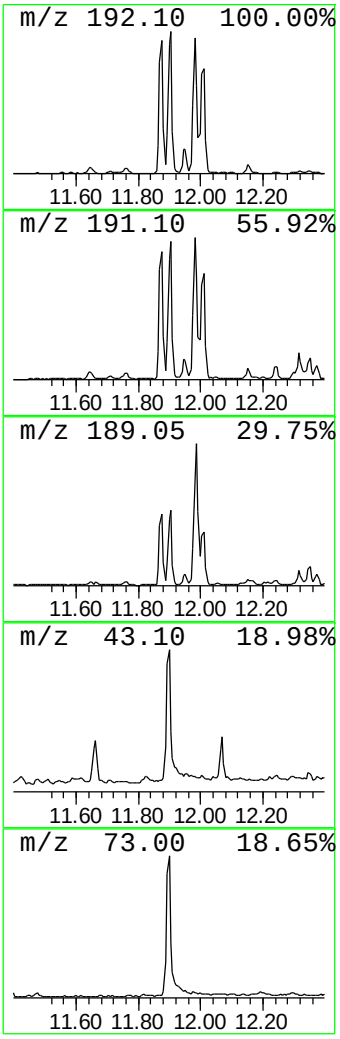
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	11.84 ng	1164810	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

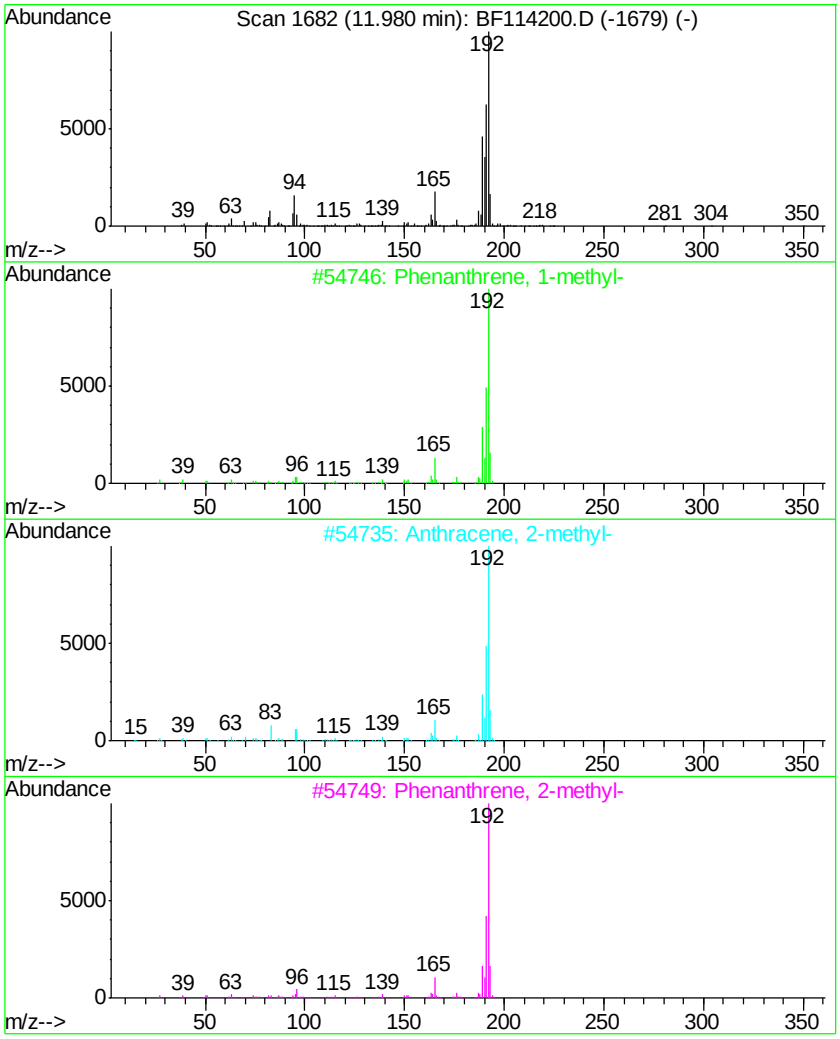
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

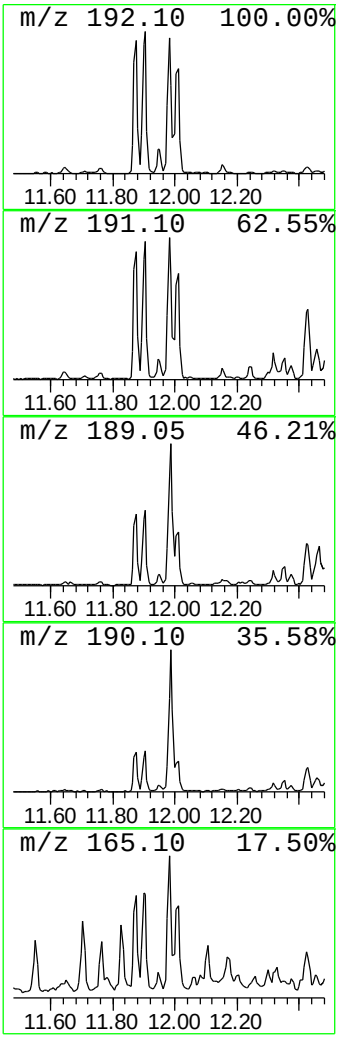
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	10.63 ng	1045410	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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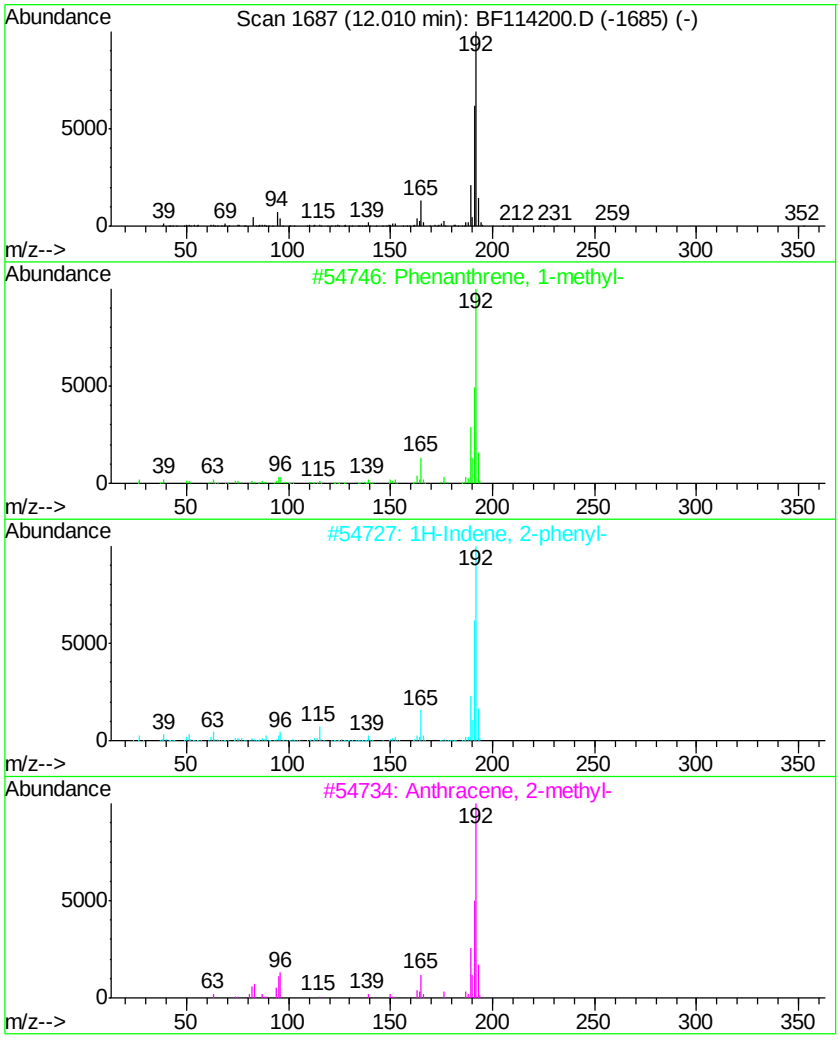
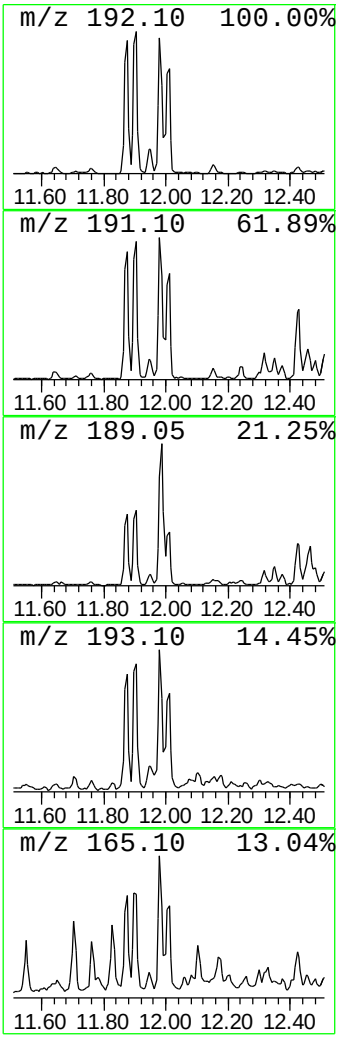
Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.81 ng	473277	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Acq On : 12 May 2019 18:40
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Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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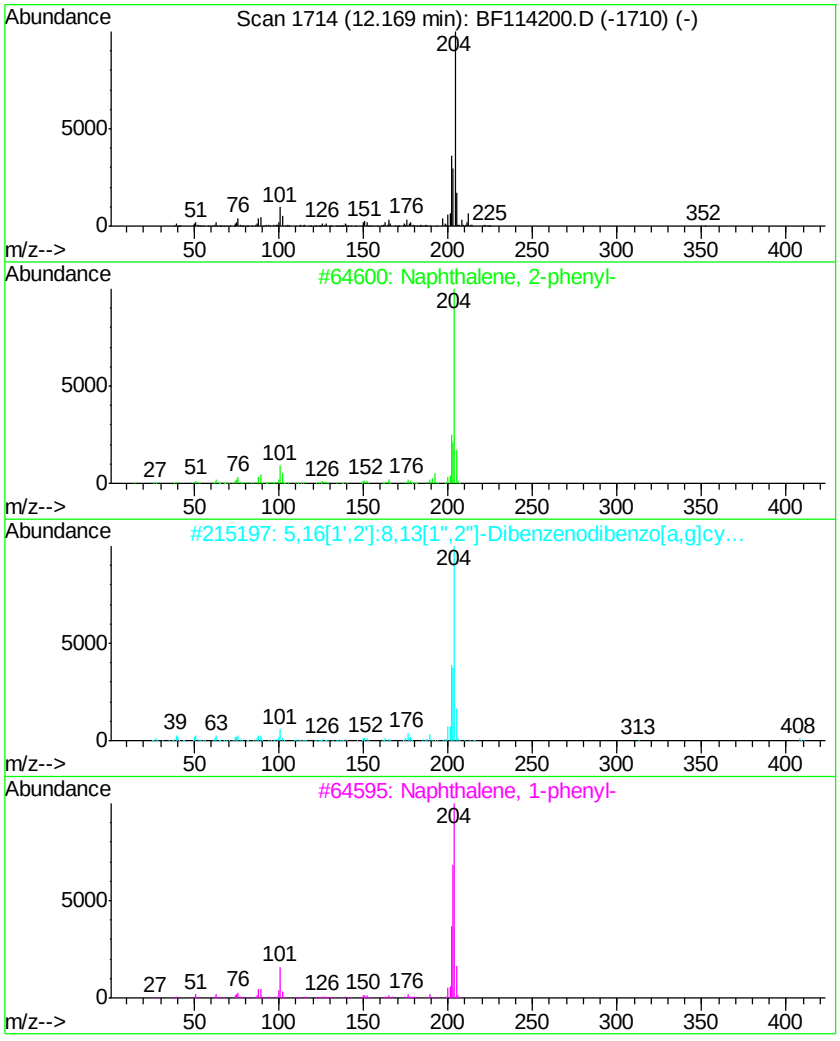
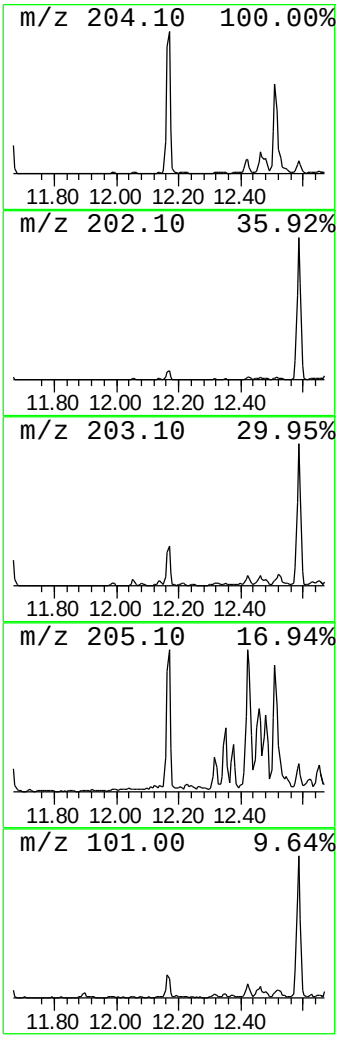
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	5.87 ng	577362	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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ClientSampleId : P026-SS010-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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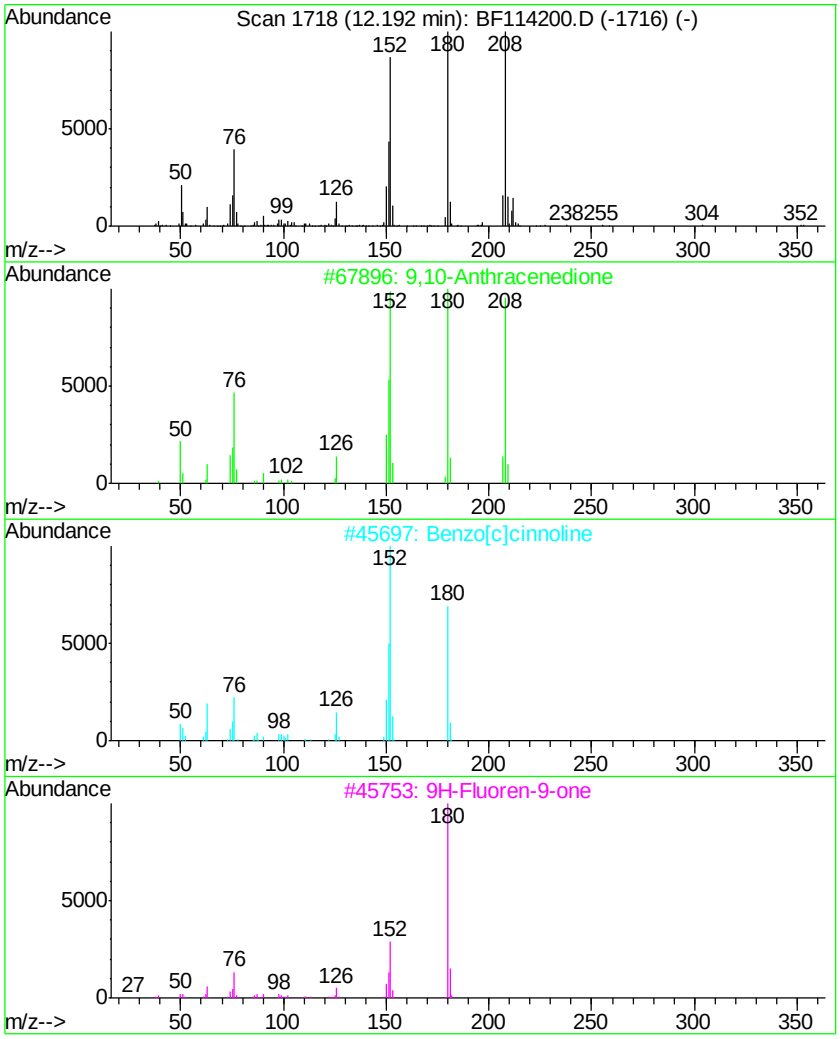
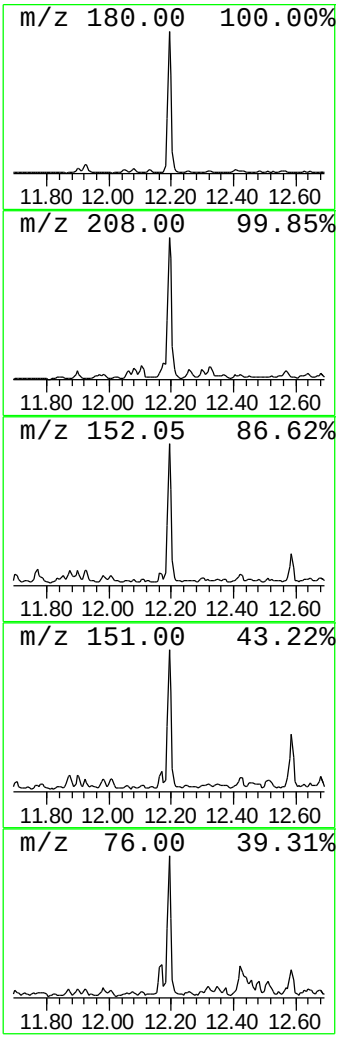
Peak Number 8 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	6.24 ng	613770	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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

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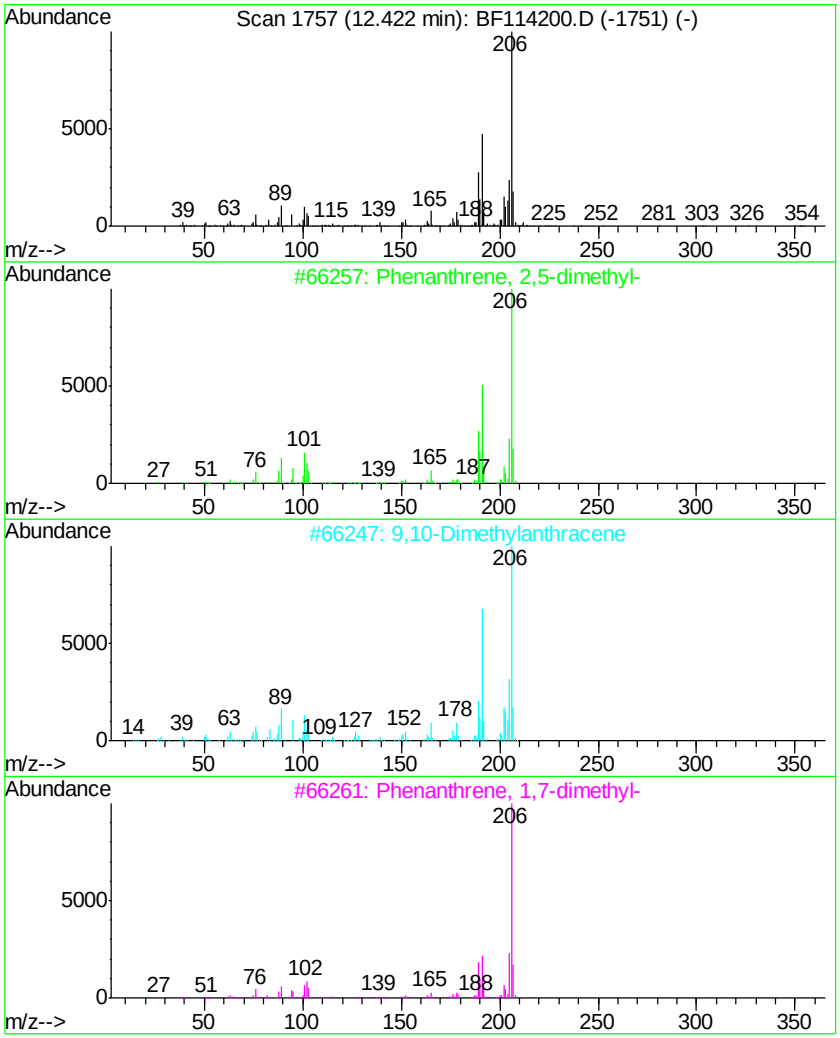
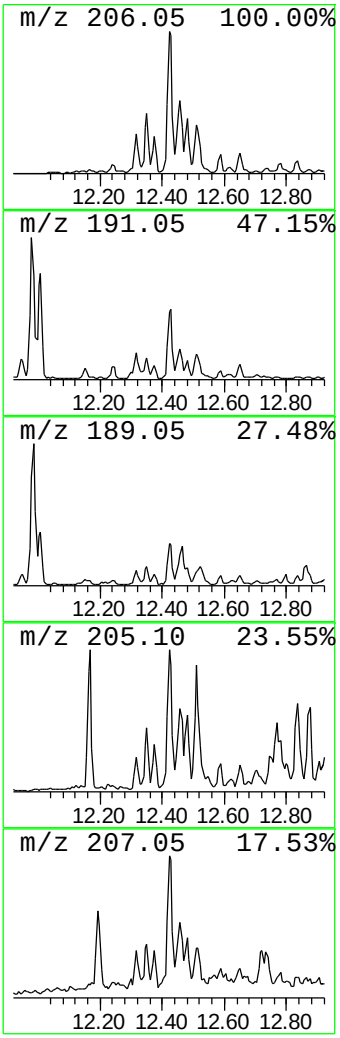
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	8.64 ng	849870	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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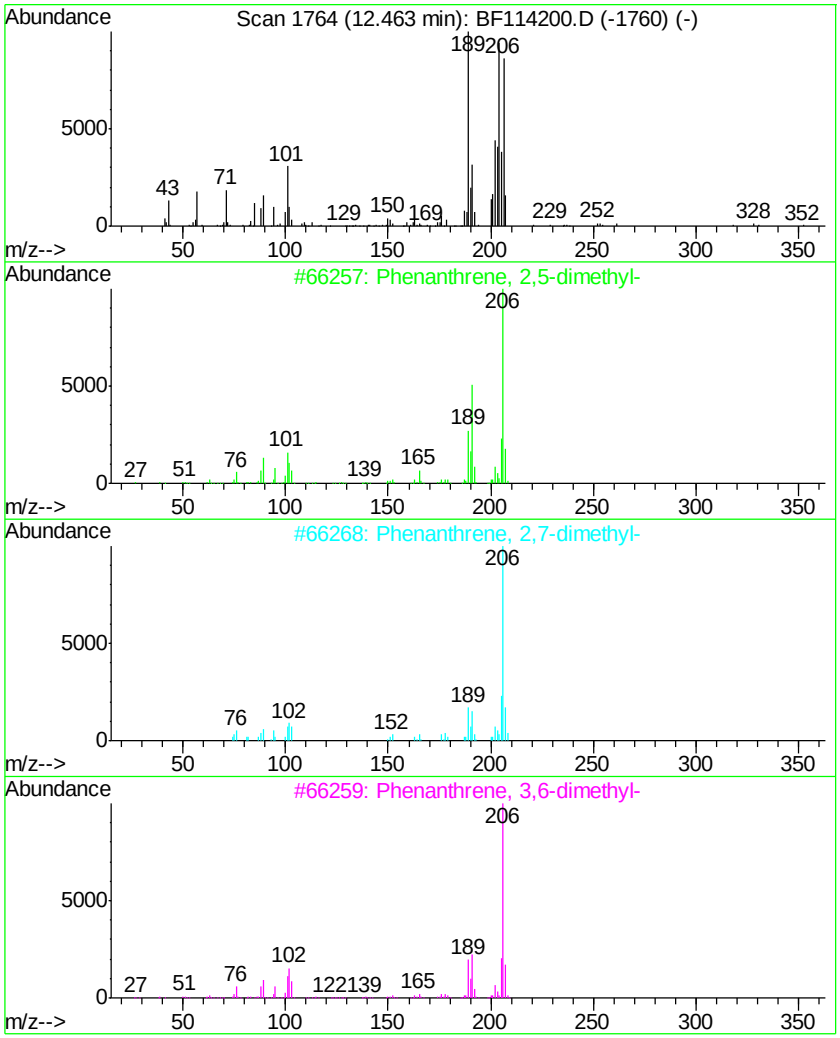
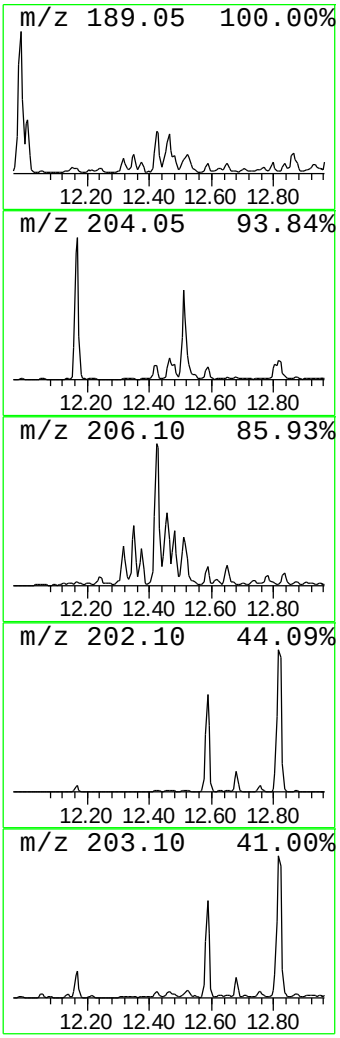
Peak Number 10 Phenanthrene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.11 ng	404046	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	68
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	64





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ALS Vial : 15 Sample Multiplier: 1

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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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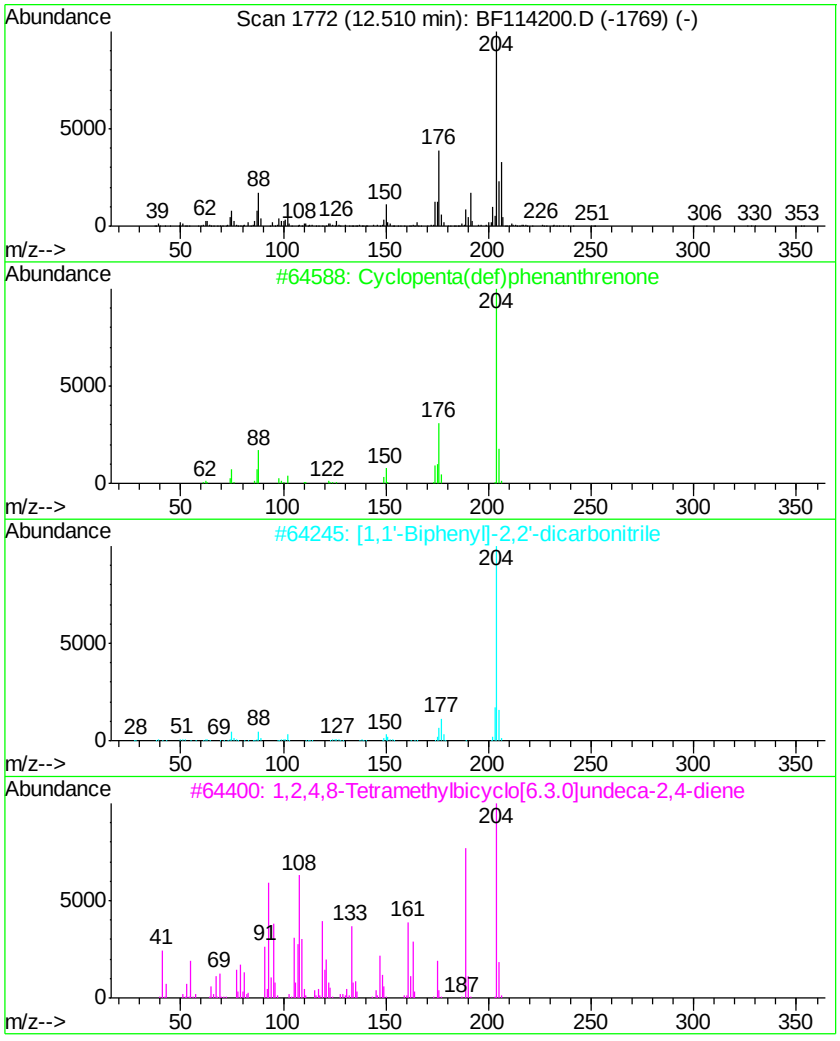
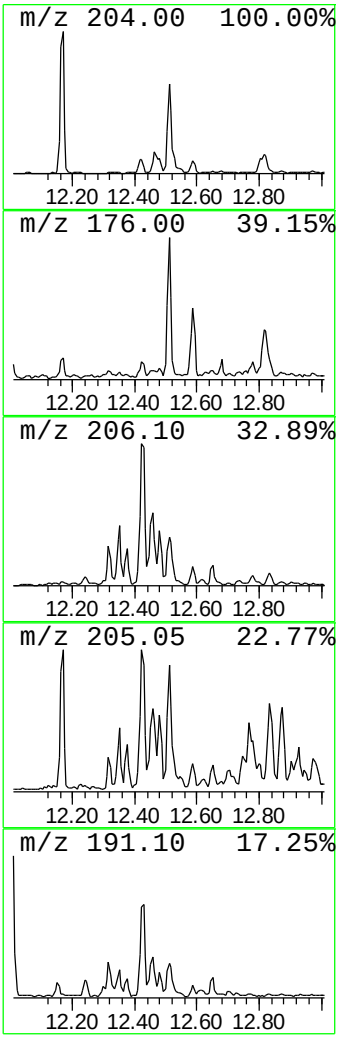
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	6.14 ng	604209	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42





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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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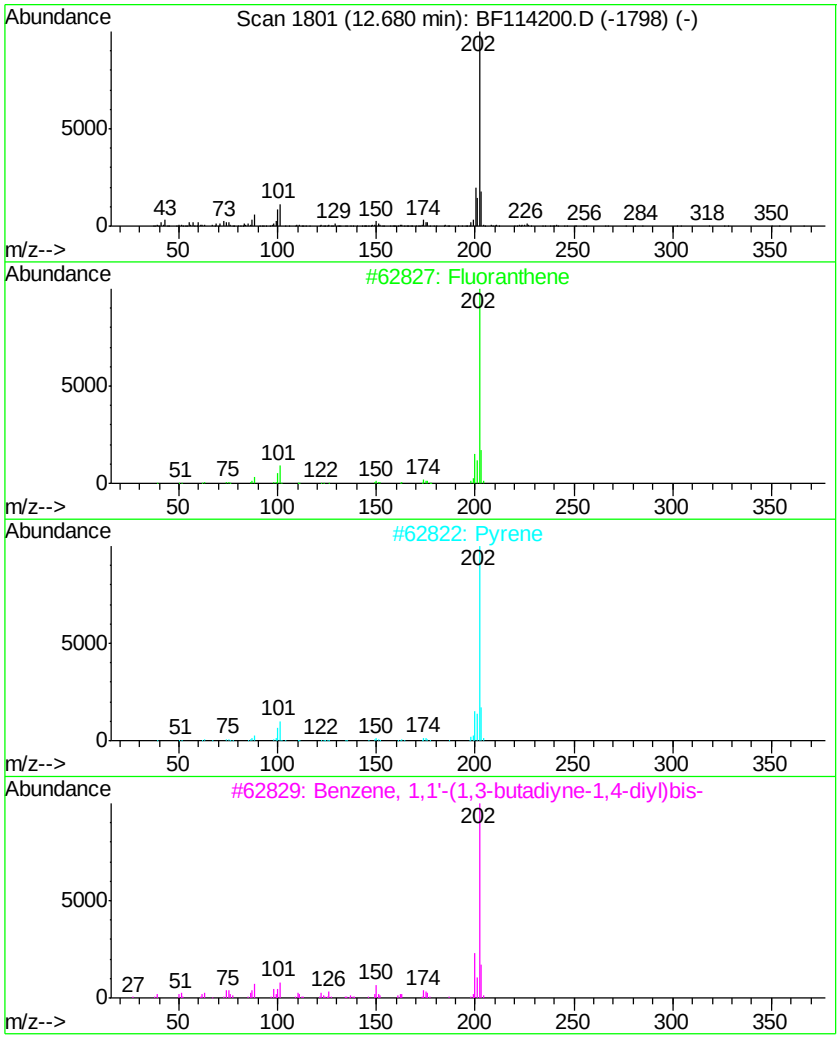
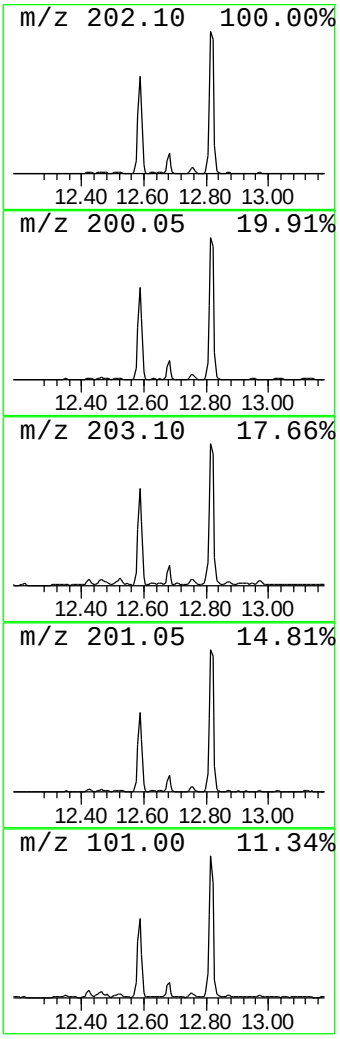
Peak Number 12 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	5.23 ng	513936	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	91
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	72
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60
5	l-Leucyl-l-leucine, N,N'-dimethy...	542	C30H58N2O6	1000328-59-8	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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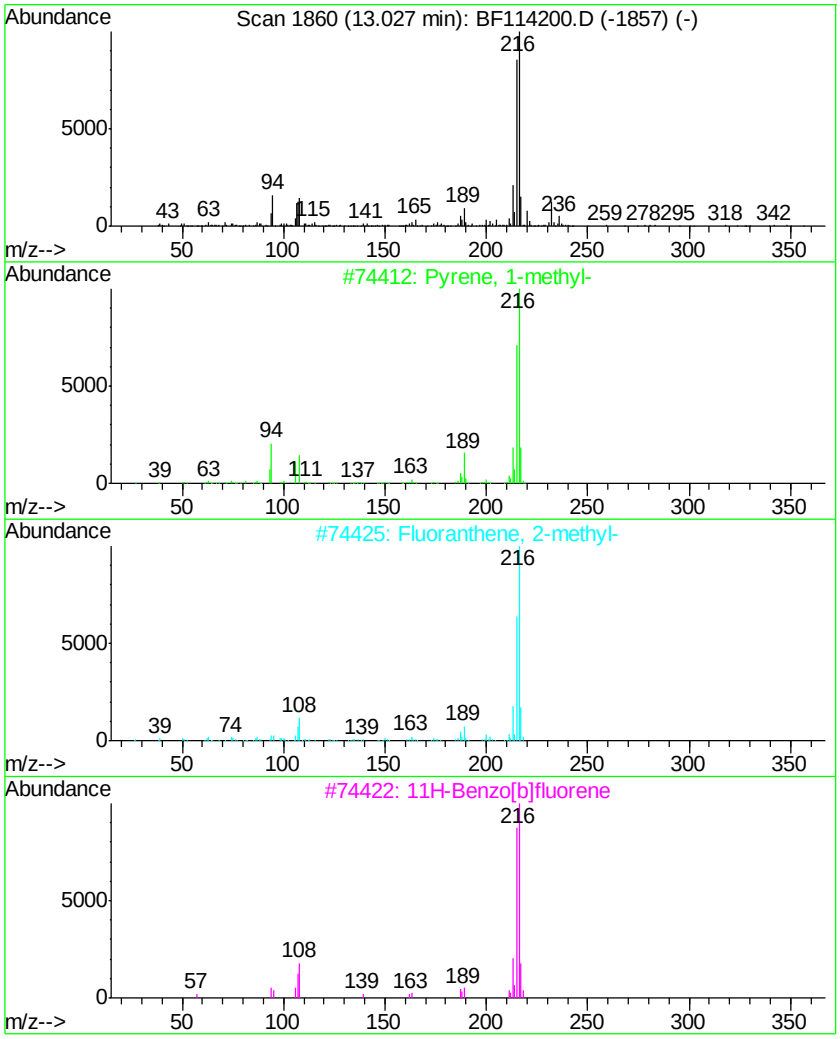
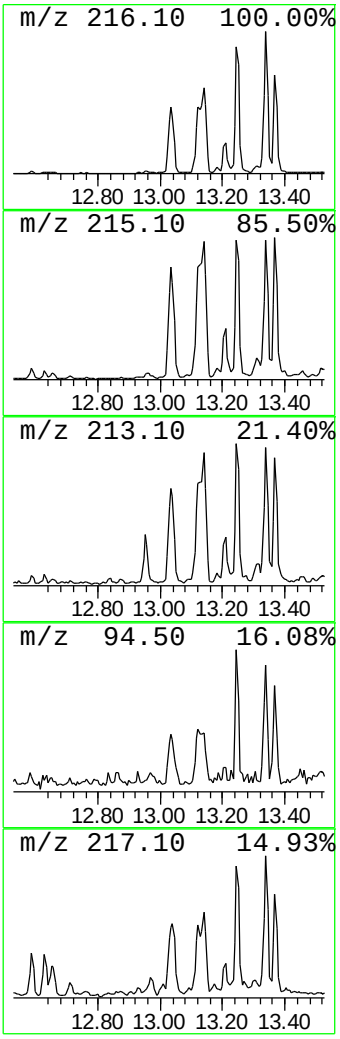
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	4.29 ng	793722	Chrysene-d12	14.02

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	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

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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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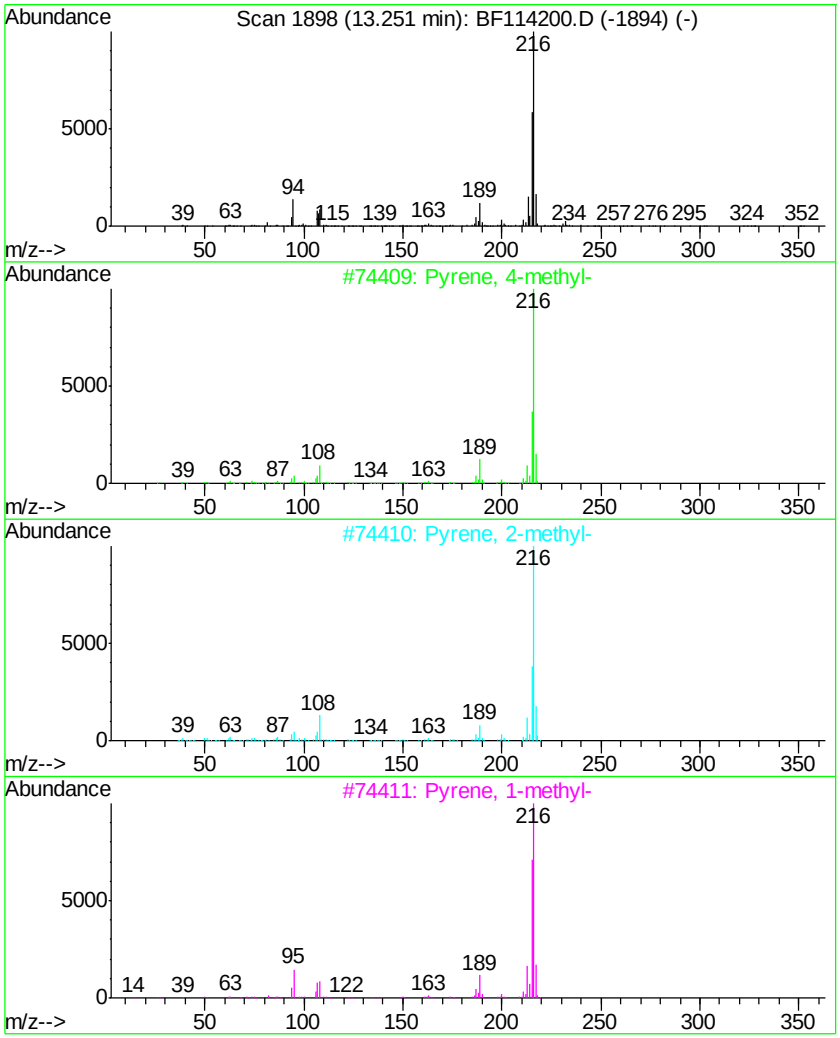
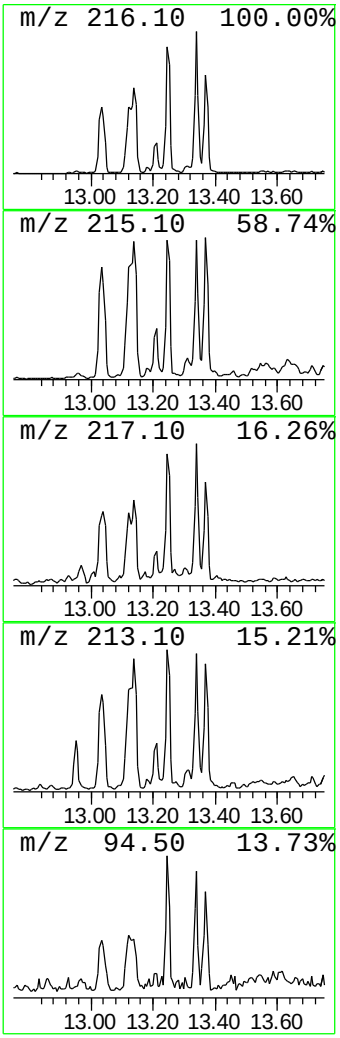
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	4.02 ng	743583	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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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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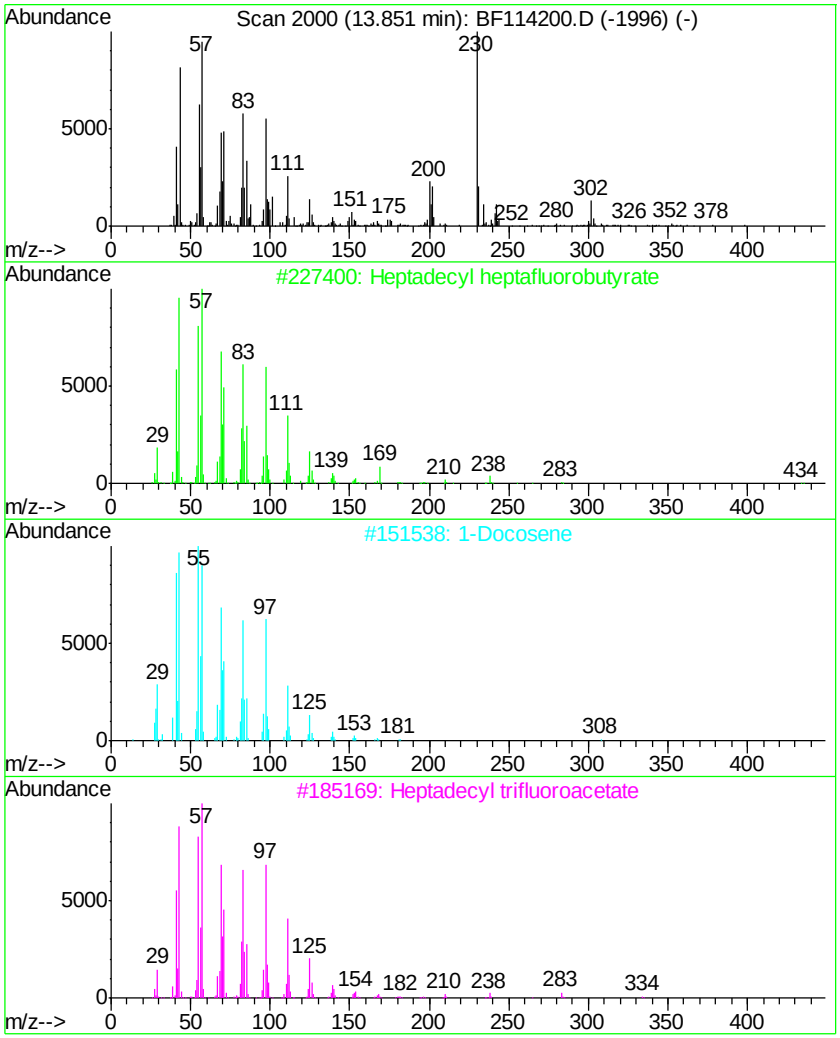
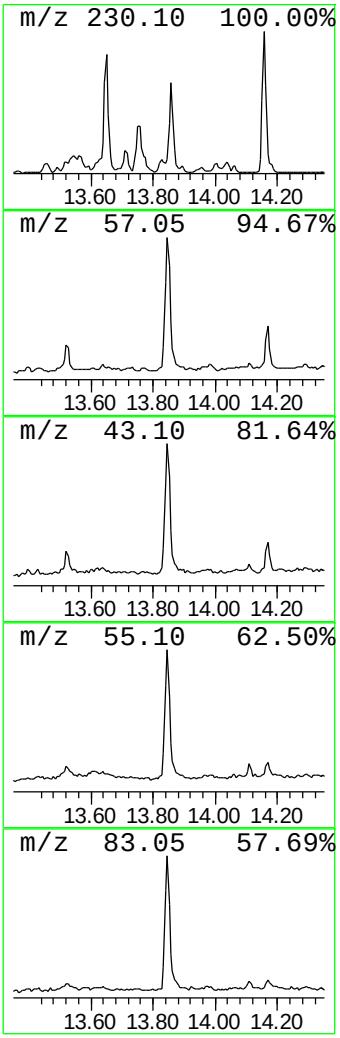
Peak Number 15 Heptadecyl heptafluorobutyrate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	6.16 ng	1138930	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
2	1-Docosene	308	C22H44	001599-67-3	89
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	83
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	81
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	81





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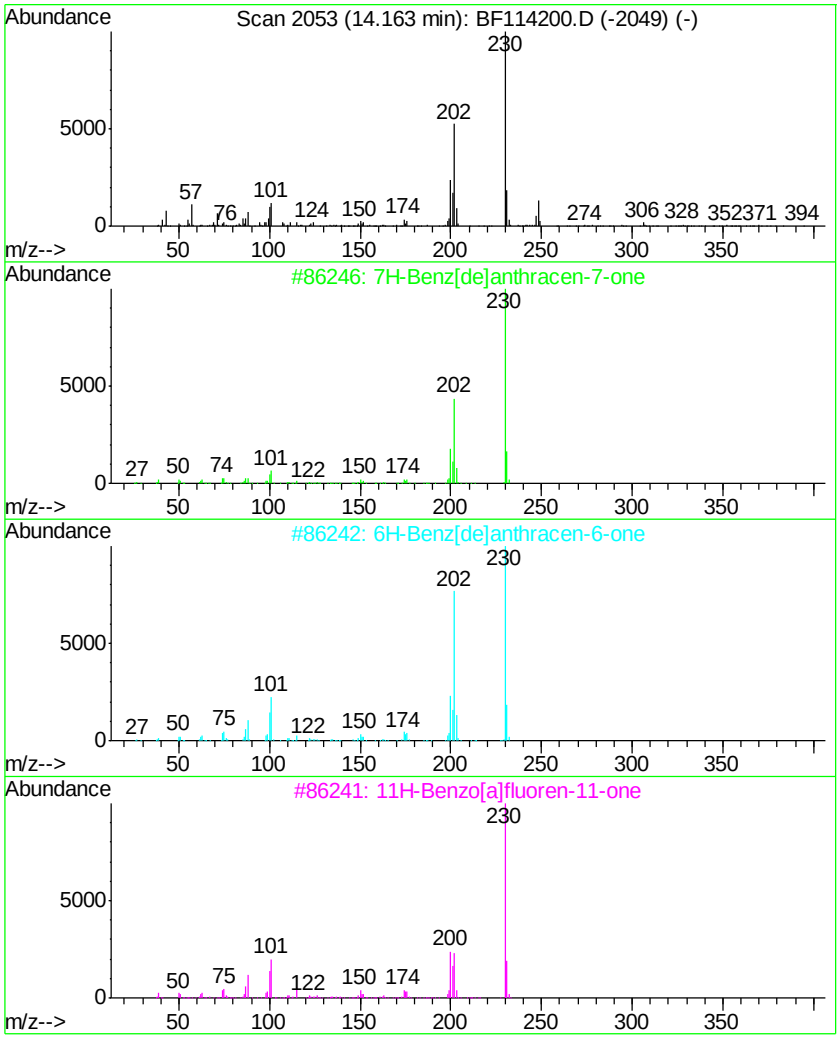
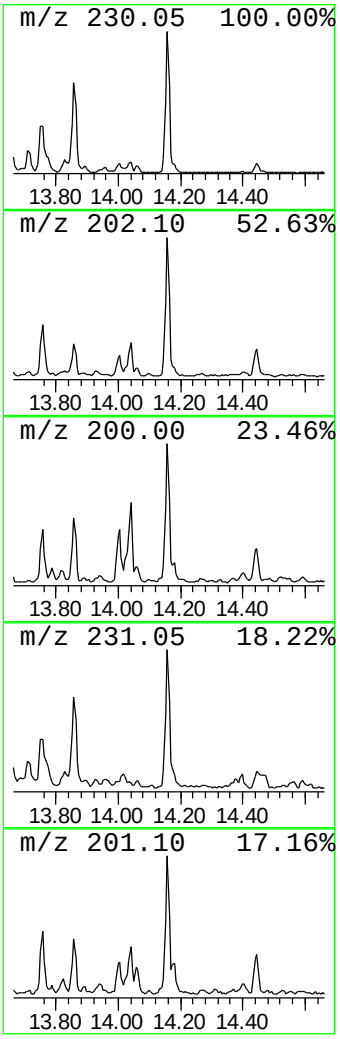
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	5.34 ng	987739	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	95
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	81
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64





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

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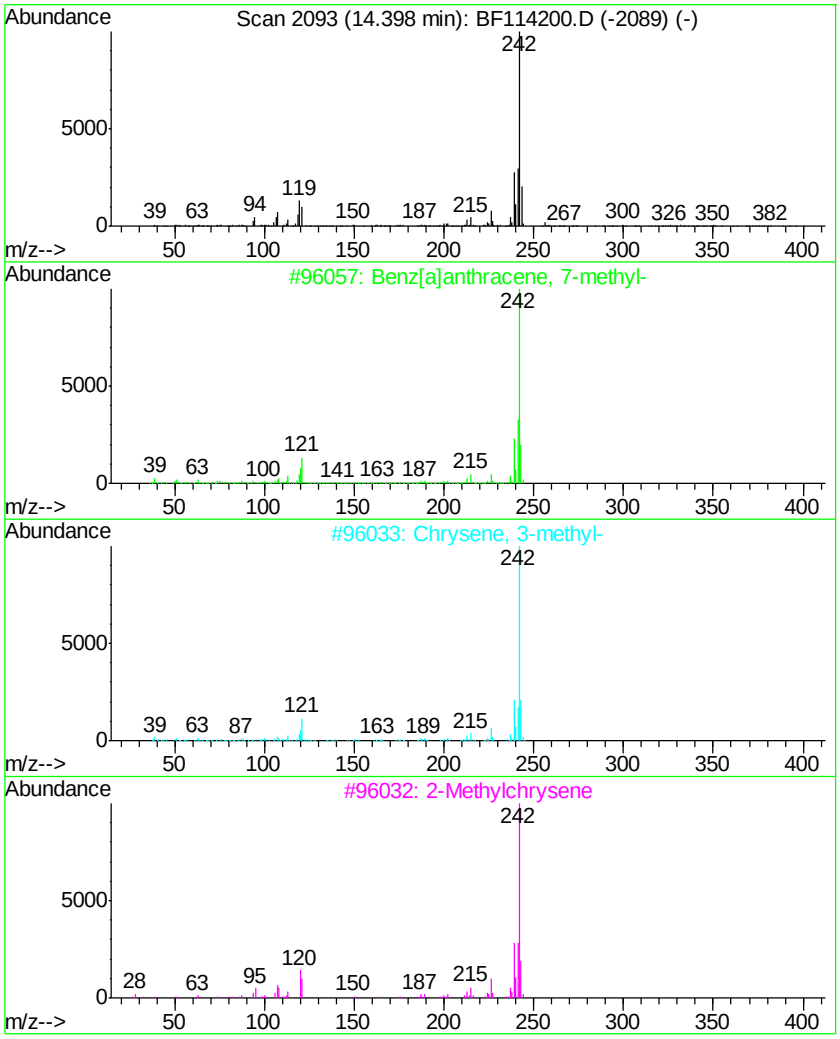
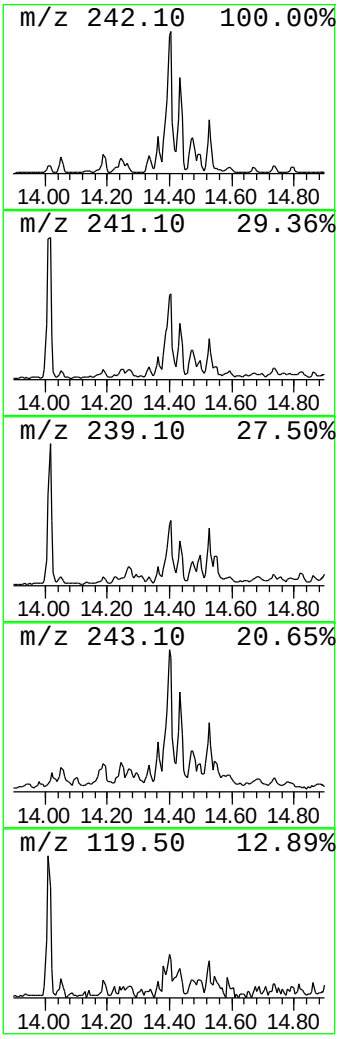
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	4.29 ng	793890	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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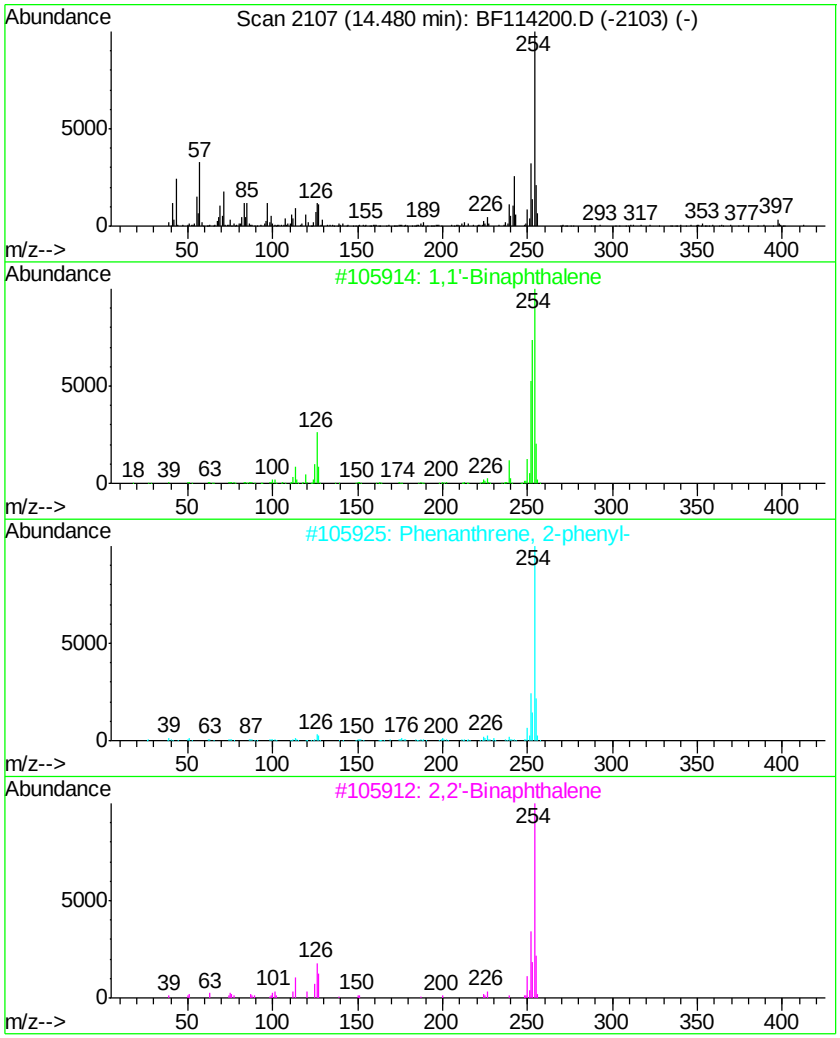
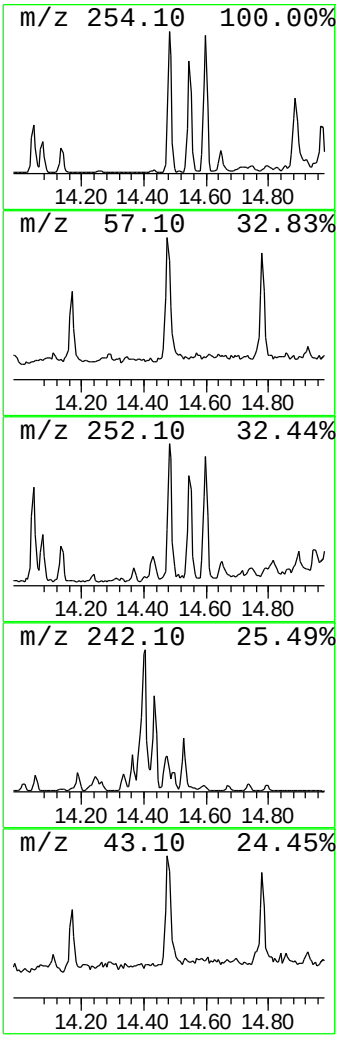
Peak Number 18 1,1'-Binaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	5.05 ng	933893	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	78
2	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	60
3	2,2'-Binaphthalene	254	C20H14	000612-78-2	60
4	6,6'-Biazulene,	254	C20H14	073393-11-0	49
5	6-Methyl-1-pyridin-2-ylmethylene...	254	C14H10N2O3	1000274-64-8	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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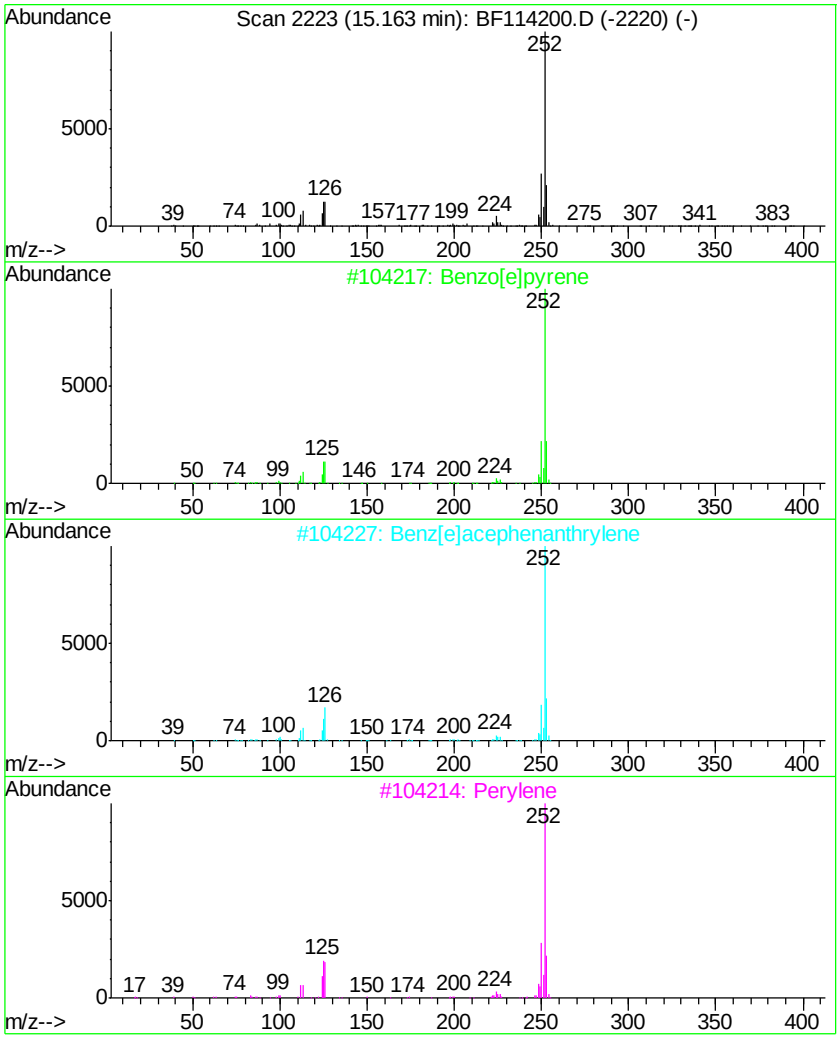
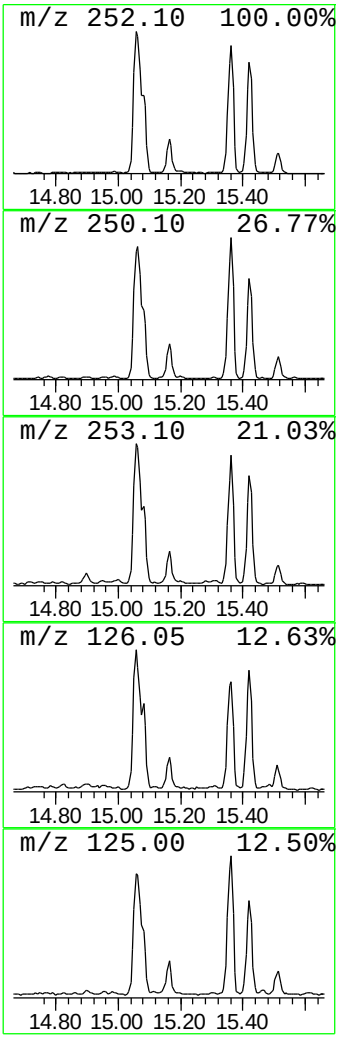
Peak Number 19 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	4.54 ng	361315	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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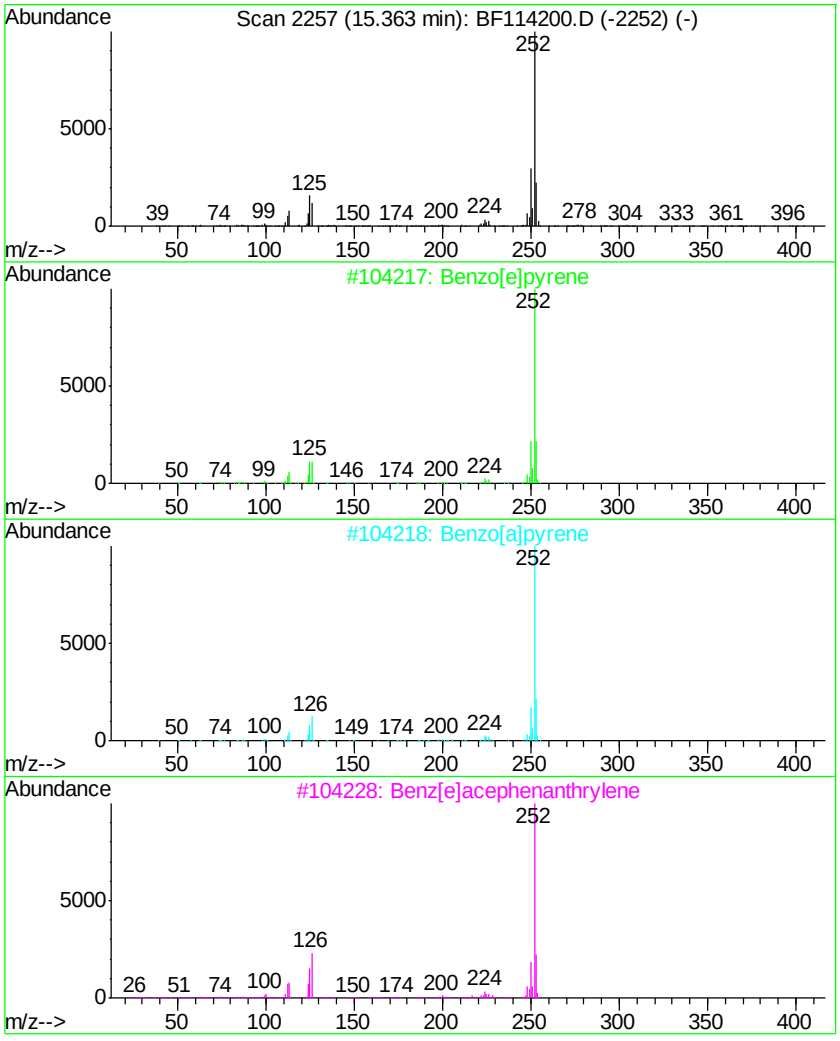
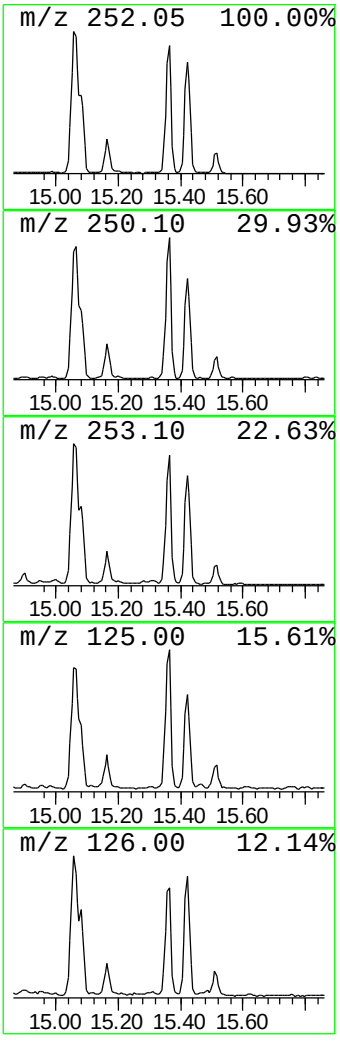
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	22.02 ng	1753690	Perylene-d12	15.49

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	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
Data File : BF114200.D
Acq On : 12 May 2019 18:40
Operator : JU/SJ
Sample : K2767-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.63	6.63	51.9	ng	3863950	1	6.85	1488490	20.0
Anthracene, 2-met...	11.87	7.4	ng	726295	4	11.37	1966890	20.0
Phenanthrene, 2-m...	11.90	11.8	ng	1164810	4	11.37	1966890	20.0
Phenanthrene, 1-m...	11.98	10.6	ng	1045410	4	11.37	1966890	20.0
1H-Indene, 2-phenyl-	12.01	4.8	ng	473277	4	11.37	1966890	20.0
Naphthalene, 2-ph...	12.17	5.9	ng	577362	4	11.37	1966890	20.0
9,10-Anthracenedione	12.19	6.2	ng	613770	4	11.37	1966890	20.0
Phenanthrene, 2,5...	12.42	8.6	ng	849870	4	11.37	1966890	20.0
Phenanthrene, 2,7...	12.46	4.1	ng	404046	4	11.37	1966890	20.0
Cyclopenta(def)ph...	12.51	6.1	ng	604209	4	11.37	1966890	20.0
Benzene, 1,1'-(1,...	12.68	5.2	ng	513936	4	11.37	1966890	20.0
Pyrene, 1-methyl-	13.03	4.3	ng	793722	5	14.02	3698370	20.0
Pyrene, 4-methyl-	13.25	4.0	ng	743583	5	14.02	3698370	20.0
Heptadecyl heptaf...	13.85	6.2	ng	1138930	5	14.02	3698370	20.0
7H-Benz[de]anthra...	14.16	5.3	ng	987739	5	14.02	3698370	20.0
Benz[a]anthracene...	14.40	4.3	ng	793890	5	14.02	3698370	20.0
1,1'-Binaphthalene	14.48	5.0	ng	933893	5	14.02	3698370	20.0
Benzo[e]pyrene	15.16	4.5	ng	361315	6	15.49	1593020	20.0
Benzo[j]fluoranthene	15.36	22.0	ng	1753690	6	15.49	1593020	20.0