LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113107.D
Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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	4.257	365	369	376	rBV	28545	38410	1.45%	0.099%
2	4.904	475	479	486	rBV	74709	88806	3.35%	0.229%
3	5.340	549	553	571	rBV	1189179	1174037	44.30%	3.021%
4	6.369	724	728	746	rBV	1334410	1377559	51.98%	3.545%
5	6.498	746	750	758	rBV	1546811	1339247	50.53%	3.446%
6	6.728	786	789	793	rBV	1042138	846379	31.94%	2.178%
7	6.887	812	816	825	rBV	1306468	1120246	42.27%	2.883%
8	7.287	880	884	892	rBV	829611	801243	30.23%	2.062%
9	8.010	1003	1007	1014	rBV	1017216	1046722	39.49%	2.693%
10	9.086	1186	1190	1204	rBV	1605122	1634238	61.66%	4.205%
11	9.480	1254	1257	1262	rBV	103803	107930	4.07%	0.278%
12	9.622	1278	1281	1287	rVB	71091	62985	2.38%	0.162%
13	9.763	1301	1305	1308	rBV	1285102	1146308	43.25%	2.950%
14	9.792	1308	1310	1316	rVB	111583	103118	3.89%	0.265%
15	9.969	1337	1340	1344	rBV	41767	49538	1.87%	0.127%
16	10.304	1394	1397	1403	rVB2	54712	60261	2.27%	0.155%
17	10.375	1403	1409	1411	rBV3	28632	43553	1.64%	0.112%
18	10.463	1422	1424	1428	rVB3	28383	33465	1.26%	0.086%
19	10.545	1434	1438	1445	rBV	779657	796971	30.07%	2.051%
20	10.675	1457	1460	1466	rVB	56725	73683	2.78%	0.190%
21	10.857	1486	1491	1493	rBV4	24055	36753	1.39%	0.095%
22	11.004	1514	1516	1520	rVB3	32061	28030	1.06%	0.072%
23	11.045	1520	1523	1527	rVB	91514	90296	3.41%	0.232%
24	11.098	1527	1532	1534	rBV2	45892	63233	2.39%	0.163%
25	11.122	1534	1536	1537	rVV	59710	54702	2.06%	0.141%
26	11.139	1537	1539	1545	rVB	88424	100442	3.79%	0.258%
27	11.239	1552	1556	1558	rBV	1387582	1273798	48.06%	3.278%
28	11.263	1558	1560	1564	rVV	1594687	1486529	56.09%	3.825%
29	11.316	1566	1569	1573	rVV	287175	267041	10.08%	0.687%
30	11.351	1573	1575	1579	rVB2	30848	36636	1.38%	0.094%
31	11.469	1590	1595	1598	rBV2	86720	106341	4.01%	0.274%
32	11.539	1604	1607	1610	rBV2	101551	105725	3.99%	0.272%
33	11.574	1610	1613	1615	rVV	62685	54734	2.07%	0.141%
34	11.698	1631	1634	1638	rBV2	48148	73373	2.77%	0.189%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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

35	11.739	1638	1641	1644	rVV	334618	332044	12.53%	0.854%
36	11.769	1644	1646	1651	rVV	455551	434498	16.39%	1.118%
37	11.816	1651	1654	1657	rVV	133662	132078	4.98%	0.340%
38	11.851	1657	1660	1662	rVV	488739	497444	18.77%	1.280%
39	11.874	1662	1664	1669	rVB	280449	258921	9.77%	0.666%
40	11.927	1670	1673	1674	rBV3	37199	37900	1.43%	0.098%
41	11.951	1674	1677	1679	rVB2	102634	81679	3.08%	0.210%
42	12.033	1688	1691	1693	rBV	195835	174346	6.58%	0.449%
43	12.063	1693	1696	1700	rVB2	151358	165721	6.25%	0.426%
44	12.110	1702	1704	1709	rVB	53751	45166	1.70%	0.116%
45	12.186	1711	1717	1720	rBV2	141554	182132	6.87%	0.469%
46	12.216	1720	1722	1724	rBV	84230	69998	2.64%	0.180%
47	12.292	1731	1735	1738	rBV	244096	269746	10.18%	0.694%
48	12.333	1738	1742	1746	rVB2	150836	268289	10.12%	0.690%
49	12.374	1746	1749	1754	rBV	230400	246366	9.30%	0.634%
50	12.451	1758	1762	1765	rBV	2420373	2173815	82.02%	5.594%
51	12.680	1795	1801	1804	rBV	2648605	2650283	100.00%	6.820%
52	12.704	1804	1805	1807	rVB2	85628	65927	2.49%	0.170%
53	12.798	1818	1821	1822	rBV2	120297	118134	4.46%	0.304%
54	12.821	1822	1825	1832	rVB	1943005	1821029	68.71%	4.686%
55	12.898	1834	1838	1841	rBV2	235695	318405	12.01%	0.819%
56	13.004	1854	1856	1859	rVB	332561	302065	11.40%	0.777%
57	13.068	1863	1867	1870	rBV2	224103	270594	10.21%	0.696%
58	13.110	1870	1874	1876	rBV2	345803	343922	12.98%	0.885%
59	13.198	1887	1889	1892	rVB	226861	189914	7.17%	0.489%
60	13.233	1892	1895	1898	rBV	251795	211812	7.99%	0.545%
61	13.404	1922	1924	1926	rBV2	151908	118034	4.45%	0.304%
62	13.510	1939	1942	1947	rVB	251509	264171	9.97%	0.680%
63	13.616	1957	1960	1963	rBV2	252382	311119	11.74%	0.801%
64	13.651	1963	1966	1968	rVV	232455	218032	8.23%	0.561%
65	13.674	1968	1970	1974	rVV2	141234	175059	6.61%	0.450%
66	13.721	1975	1978	1981	rVB2	179780	241582	9.12%	0.622%
67	13.868	1998	2003	2006	rBV2	1802448	2615457	98.69%	6.730%
68	13.898	2006	2008	2013	rVB	1283863	1082260	40.84%	2.785%
69	13.974	2019	2021	2024	rVB	157517	127200	4.80%	0.327%
70	14.045	2031	2033	2038	rVB3	222280	219327	8.28%	0.564%
71	14.257	2067	2069	2072	rVB2	278364	222639	8.40%	0.573%

LSC Area Percent Report

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Sample : K1901-09 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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

72	14.351	2082	2085	2087	rVB2	247141	246141	9.29%	0.633%
73	14.886	2172	2176	2185	rBV	861497	1497114	56.49%	3.852%
74	14.957	2186	2188	2191	rBV	177951	180024	6.79%	0.463%
75	15.168	2220	2224	2229	rVB	543445	637646	24.06%	1.641%
76	15.227	2230	2234	2239	rVV	722323	861205	32.49%	2.216%
77	15.286	2240	2244	2246	rVV	704607	874083	32.98%	2.249%
78	15.315	2246	2249	2255	rVB2	372753	522251	19.71%	1.344%
79	16.651	2472	2476	2484	rVB2	319607	588363	22.20%	1.514%
80	17.062	2542	2546	2556	rVB	253225	476827	17.99%	1.227%

Sum of corrected areas: 38863094

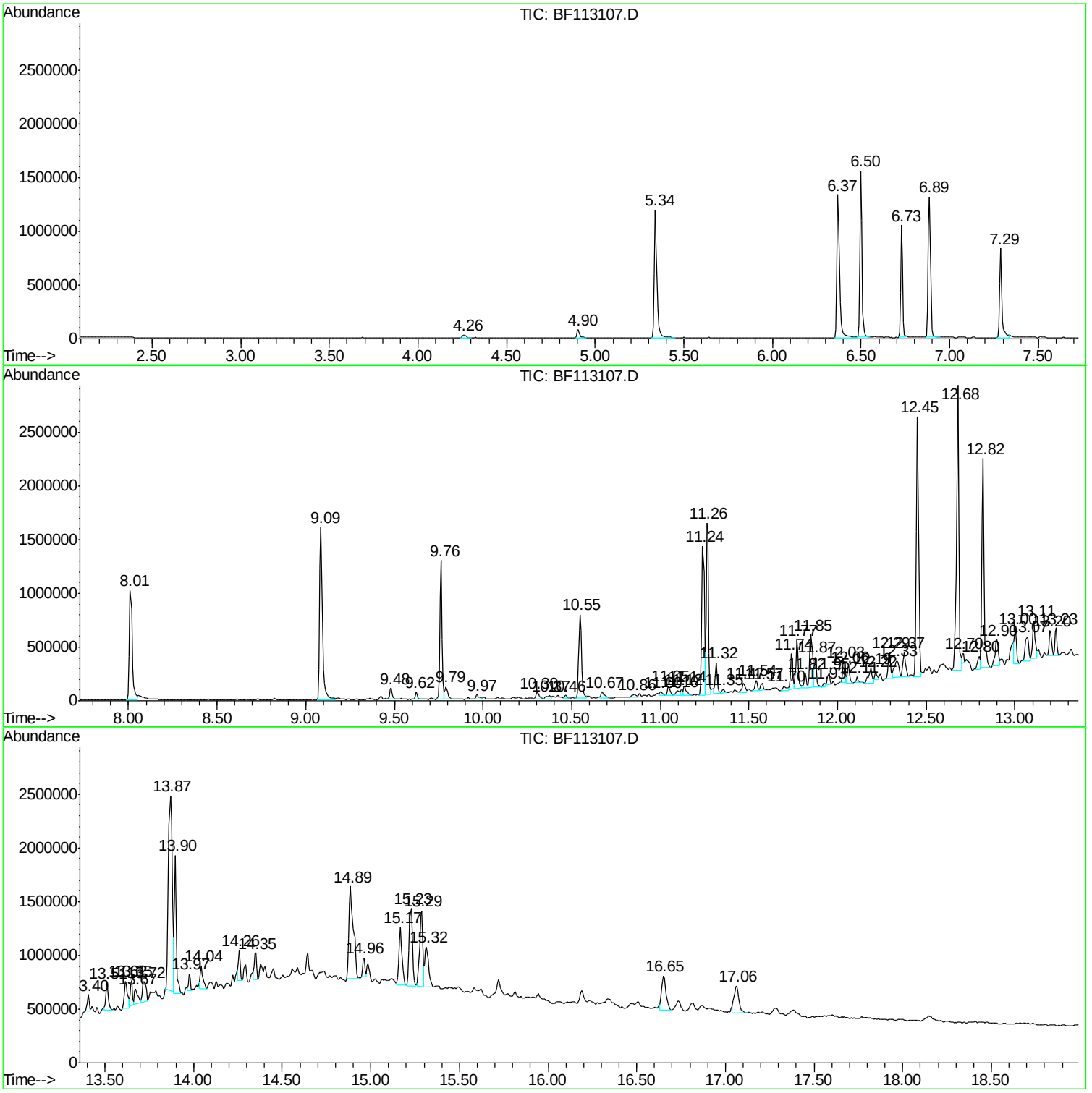
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113107.D
Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-16(0.5-1.5)

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\BF031819\
Data File : BF113107.D
Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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

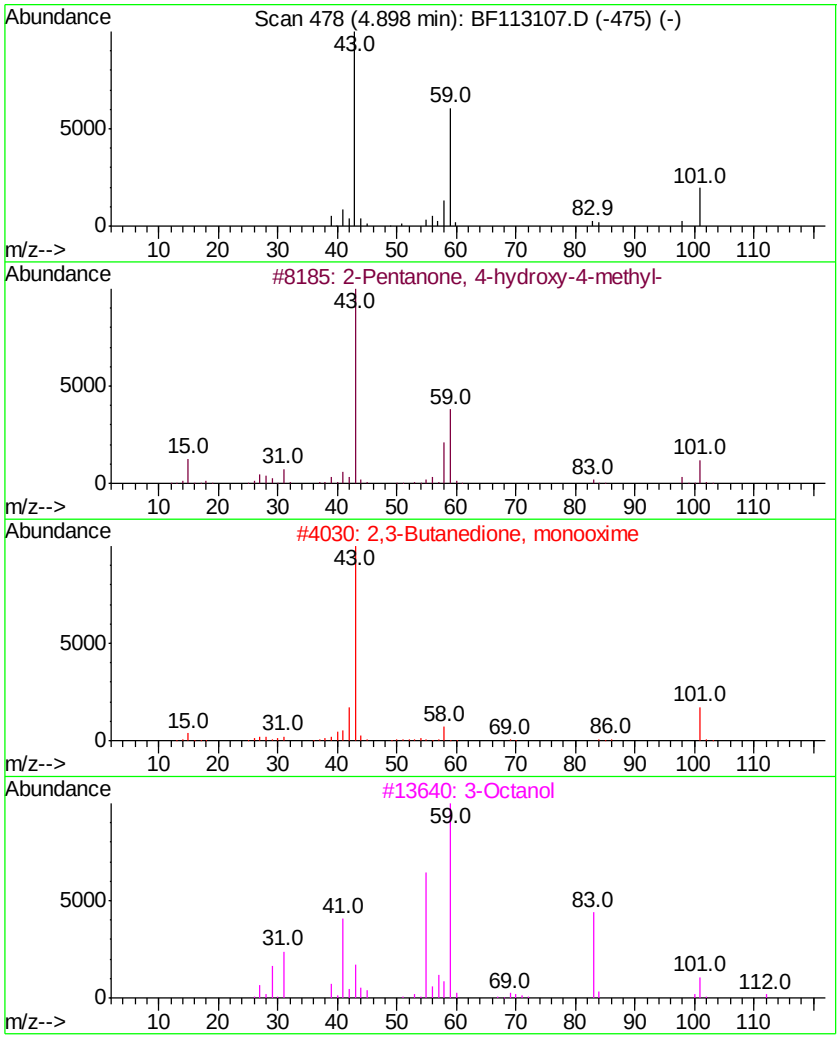
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

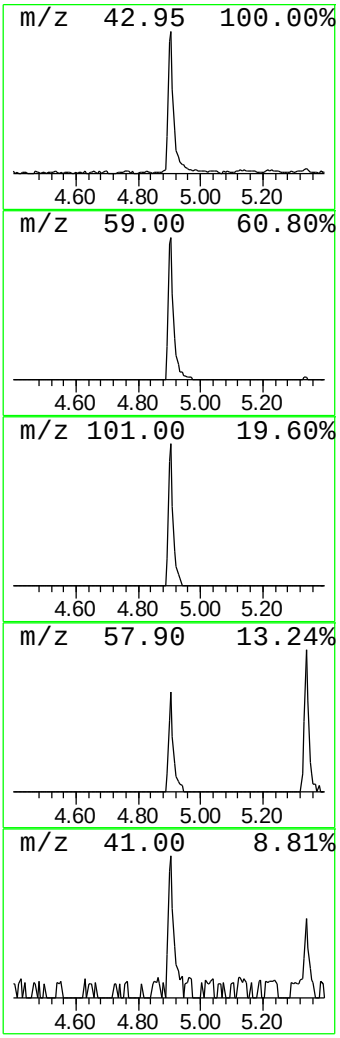
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	2.10 ng	88806	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	3-Octanol	130	C8H18O	000589-98-0	25
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





Library Search Compound Report

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Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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

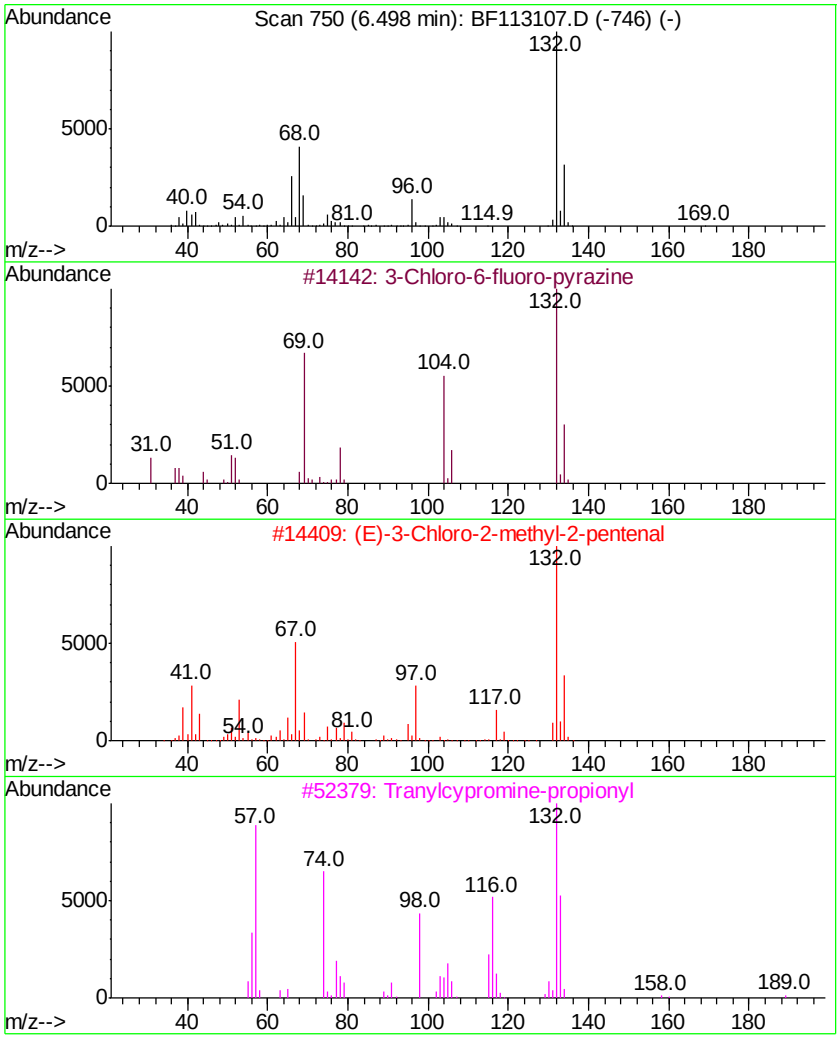
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

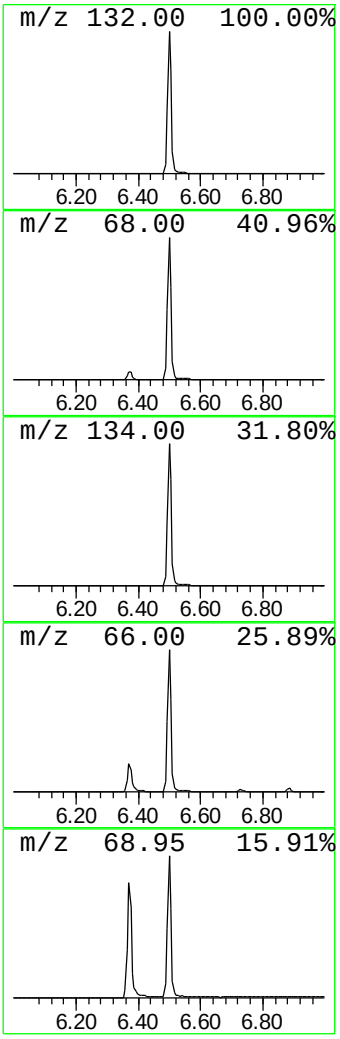
****

Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	31.65 ng	1339250	1,4-Dichlorobenzene-d4	6.73

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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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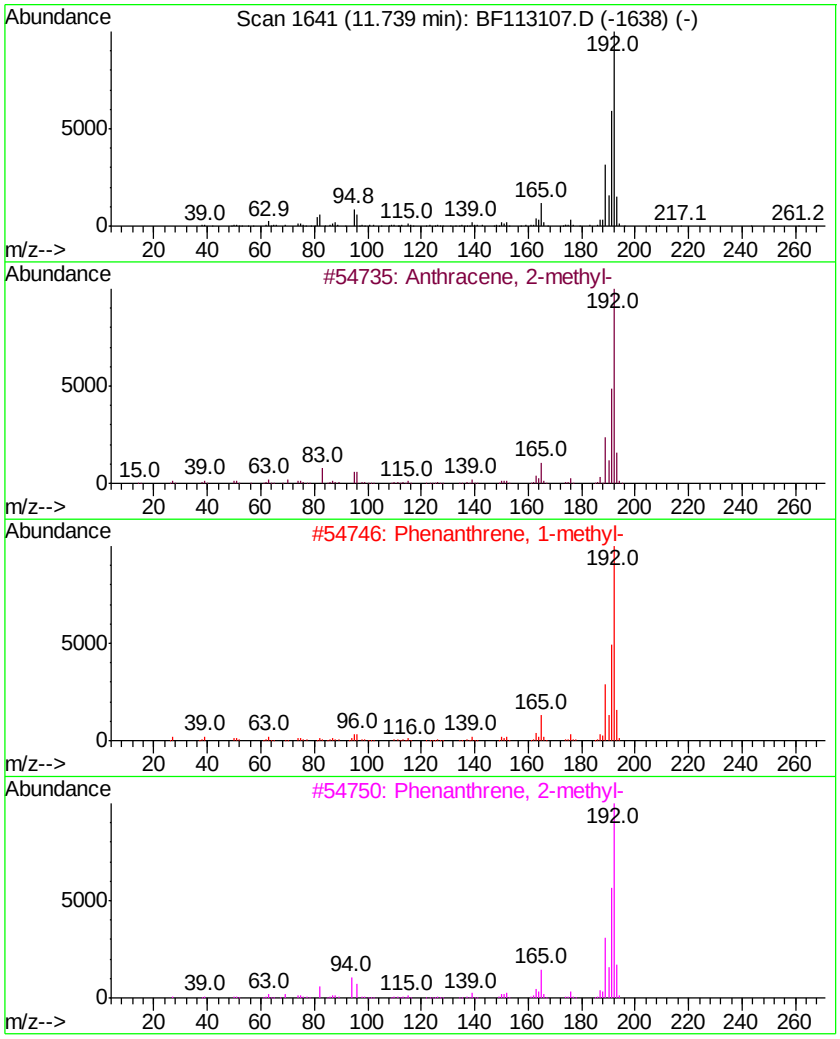
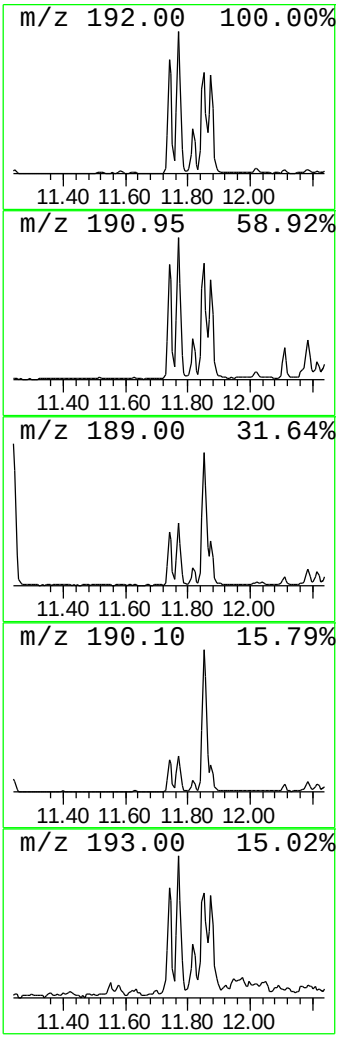
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	5.21 ng	332044	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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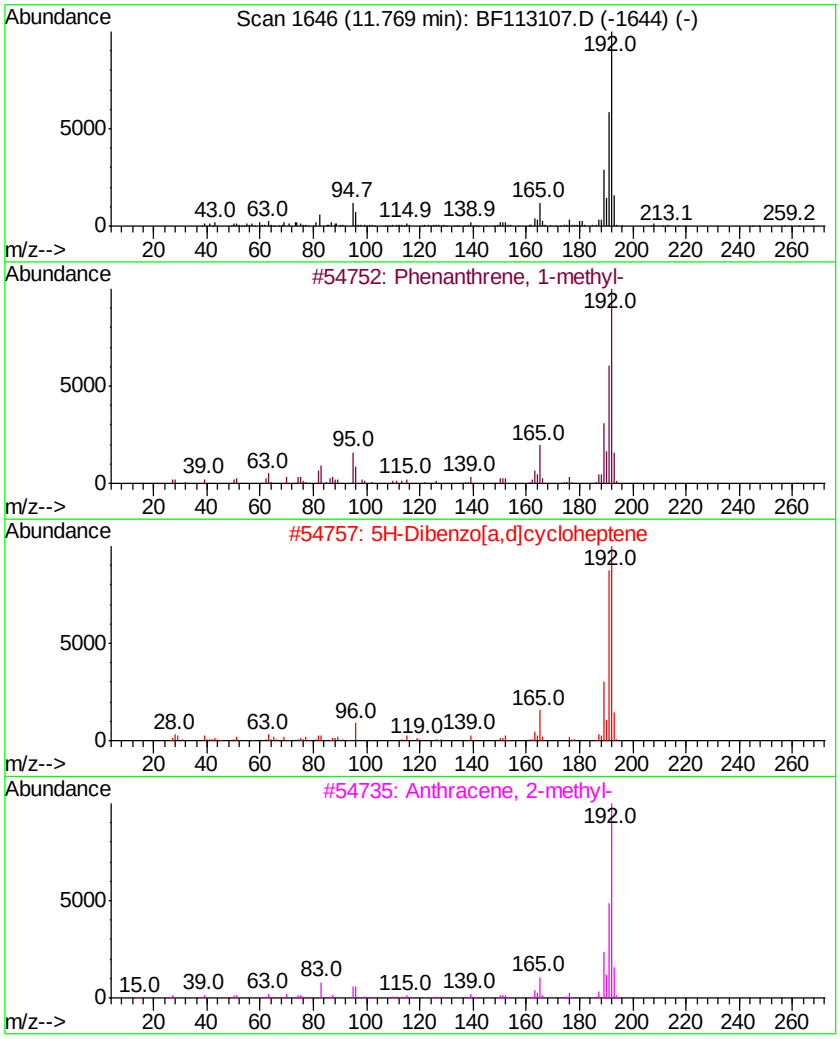
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

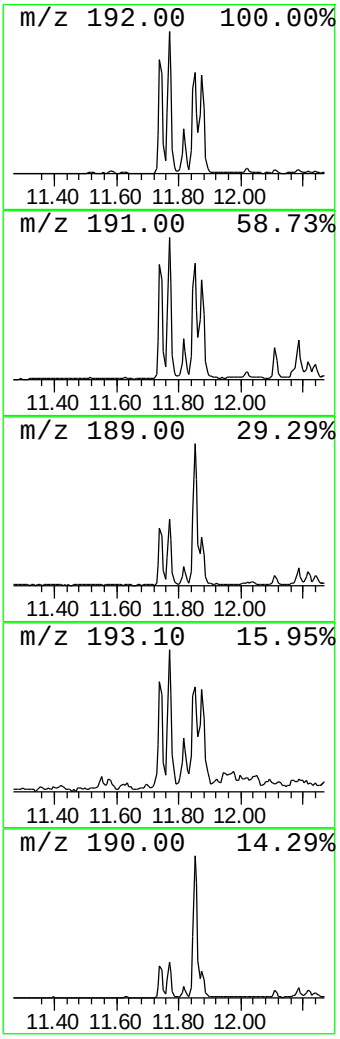
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	6.82 ng	434498	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

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Data File : BF113107.D
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Operator : JU/SJ
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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

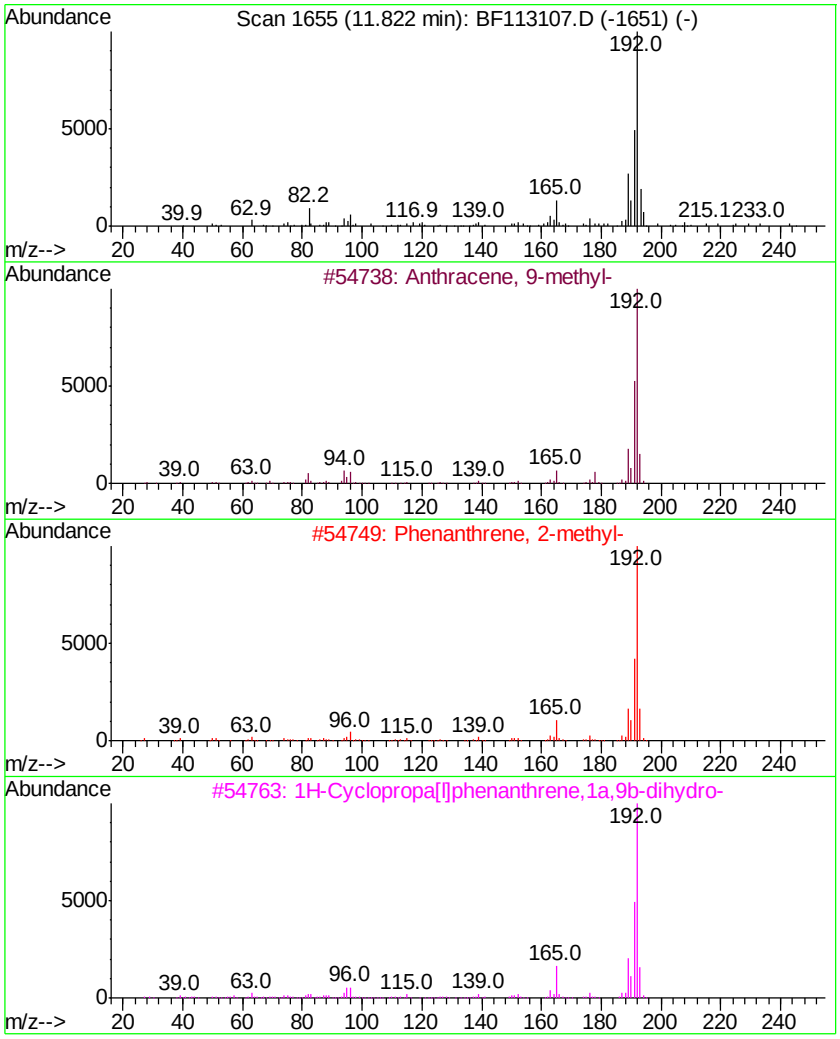
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

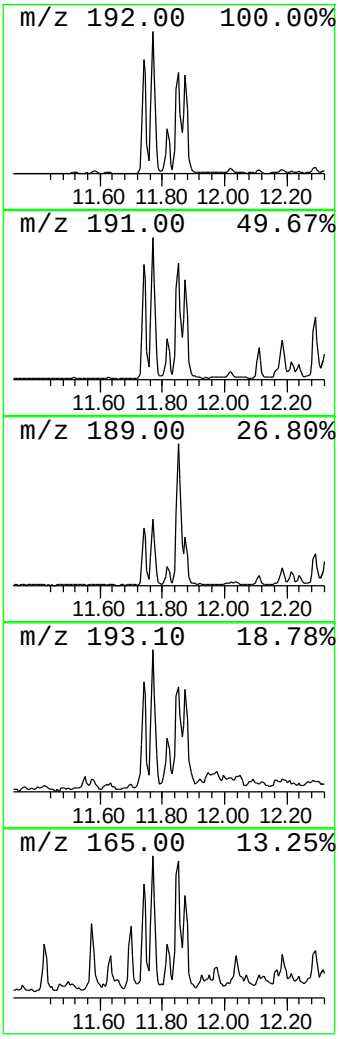
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.07 ng	132078	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113107.D
Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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

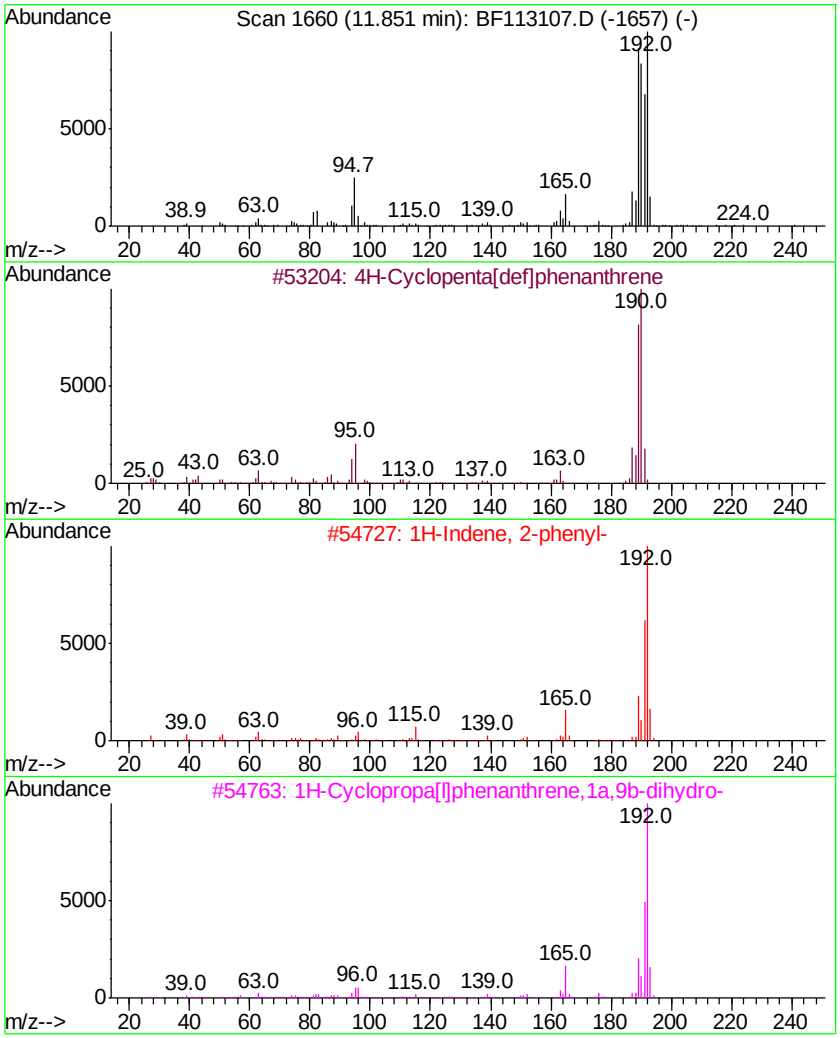
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

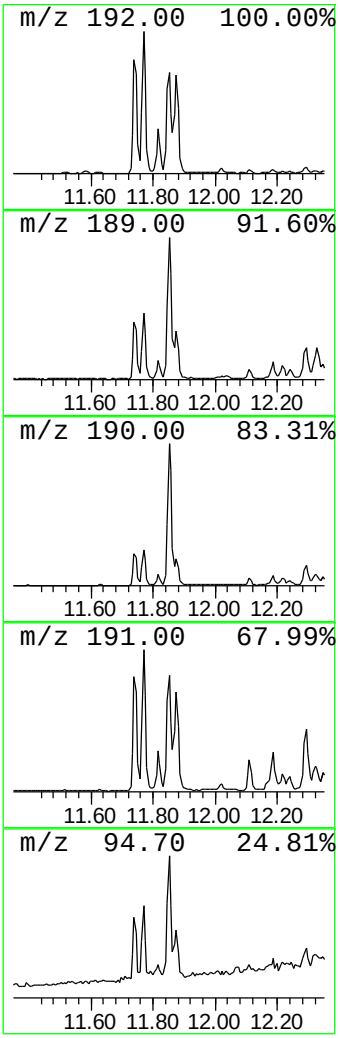
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	7.81 ng	497444	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	45





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Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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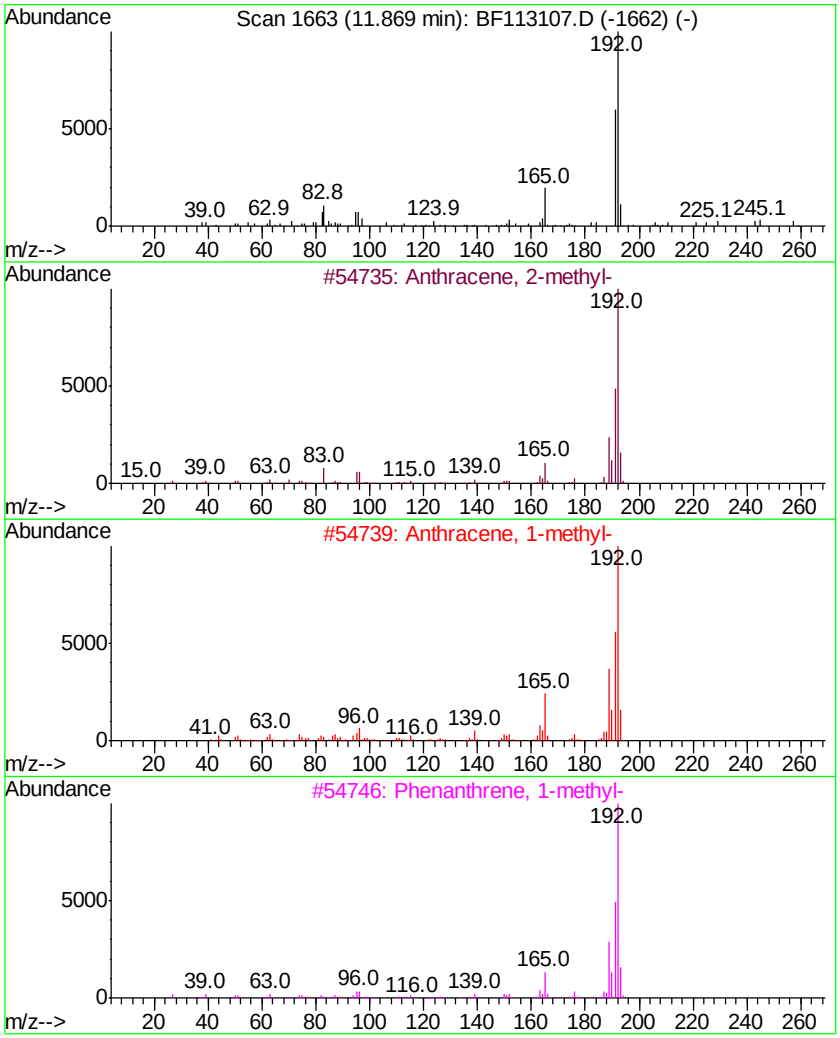
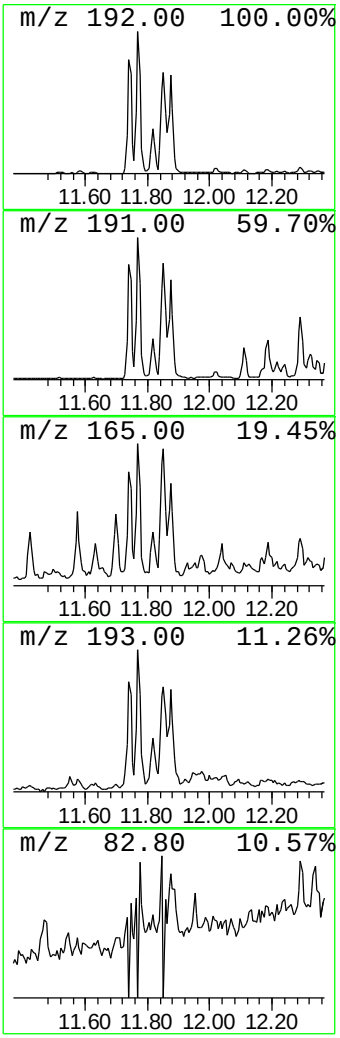
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	4.07 ng	258921	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Library Search Compound Report

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Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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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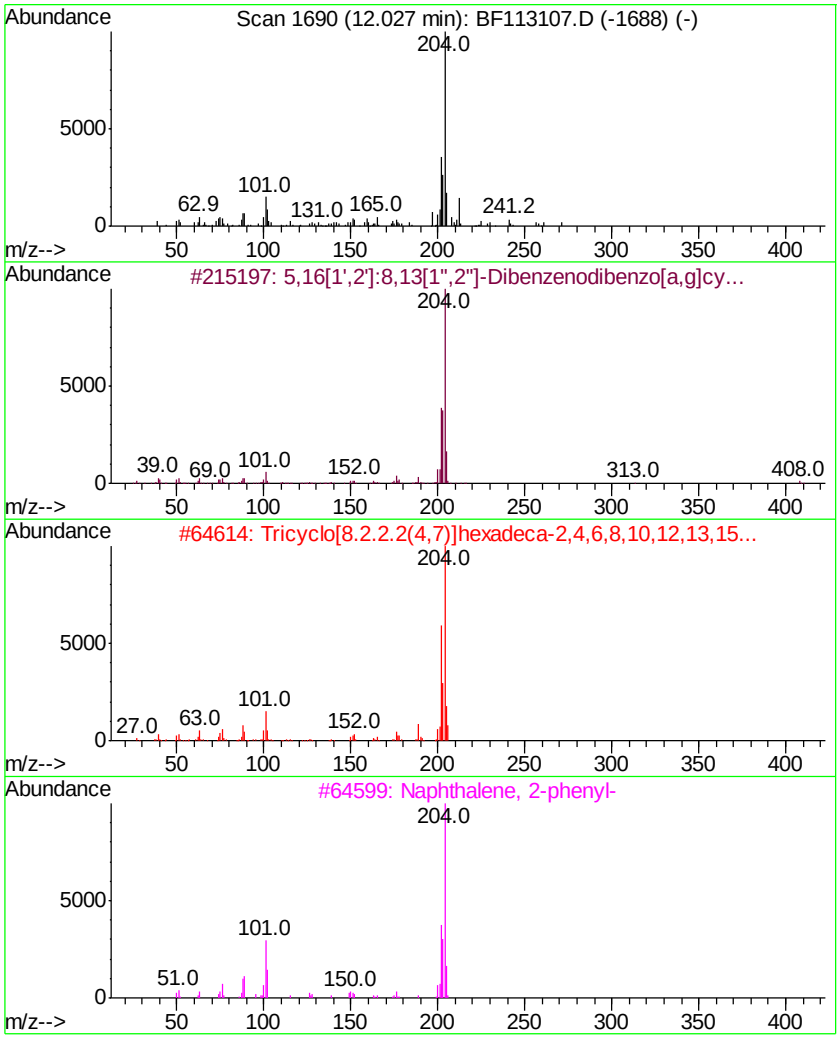
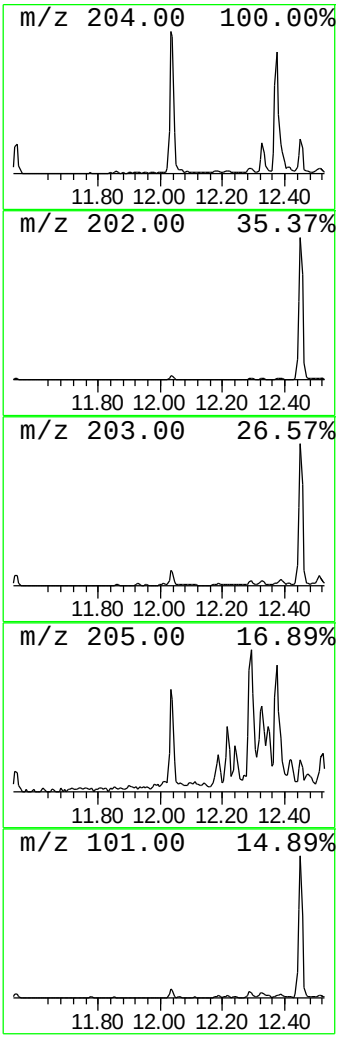
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.74 ng	174346	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53





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Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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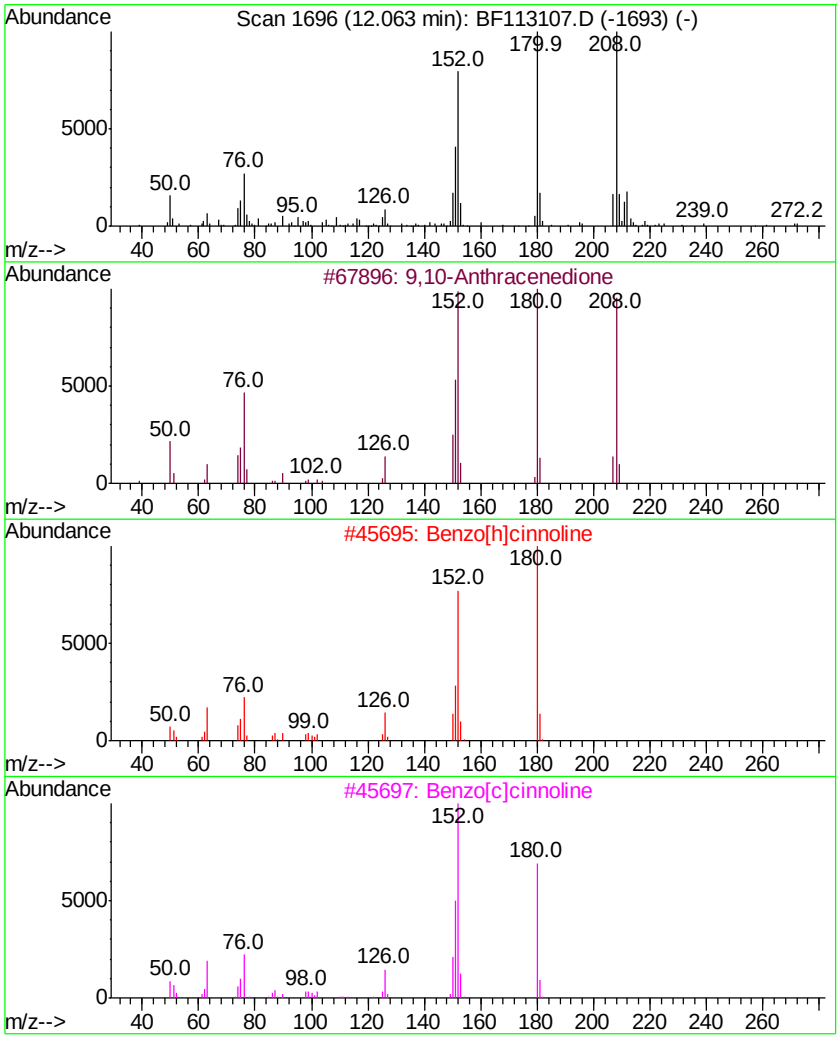
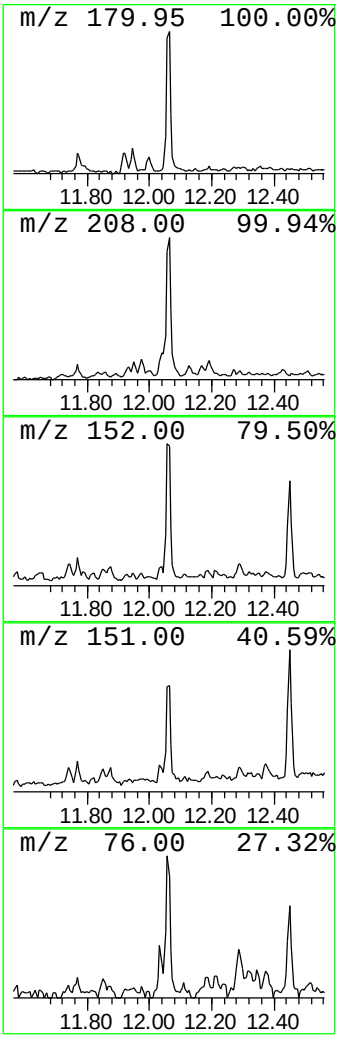
Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.60 ng	165721	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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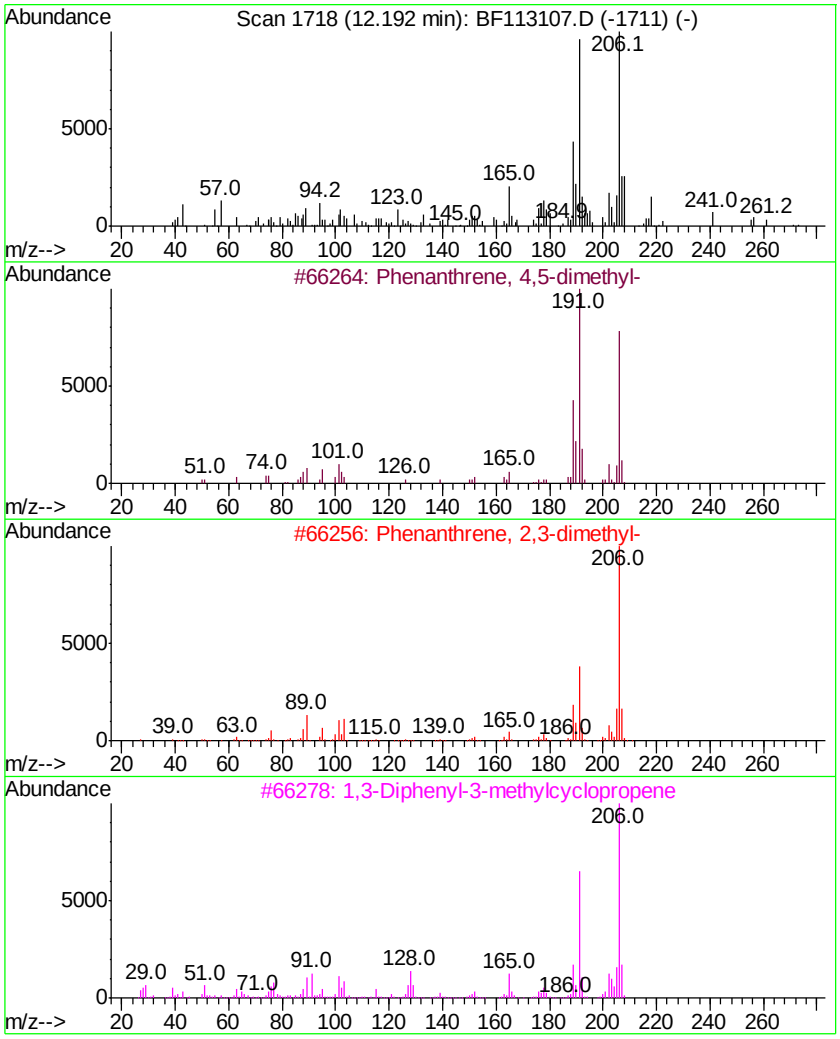
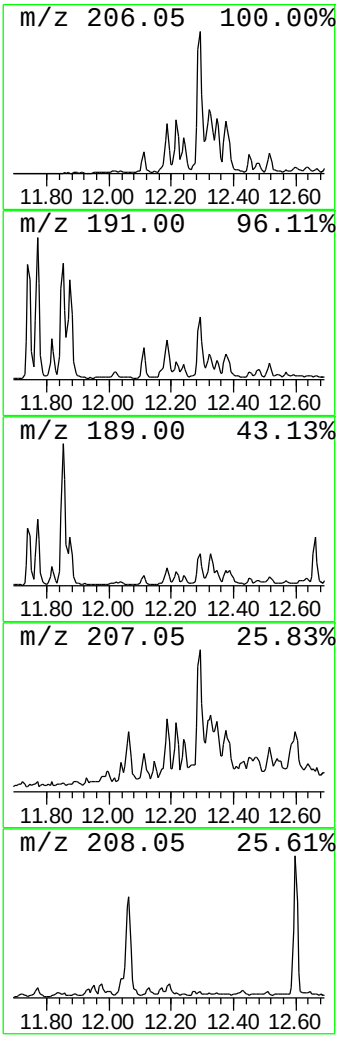
Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.86 ng	182132	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Library Search Compound Report

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Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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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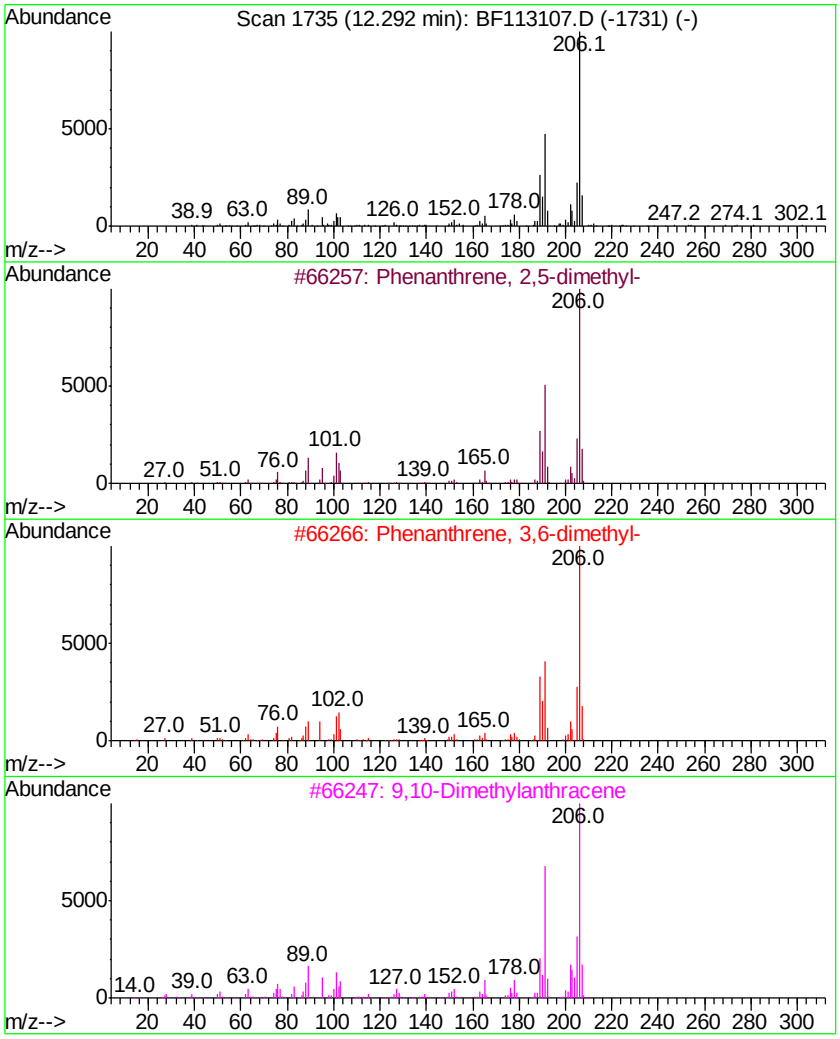
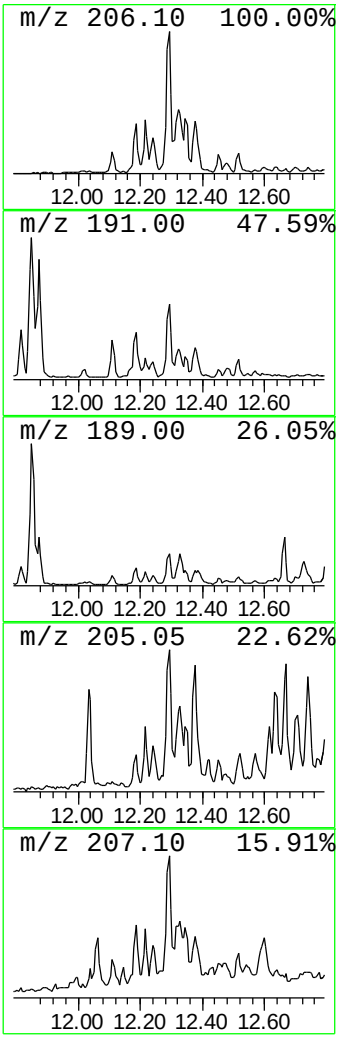
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.24 ng	269746	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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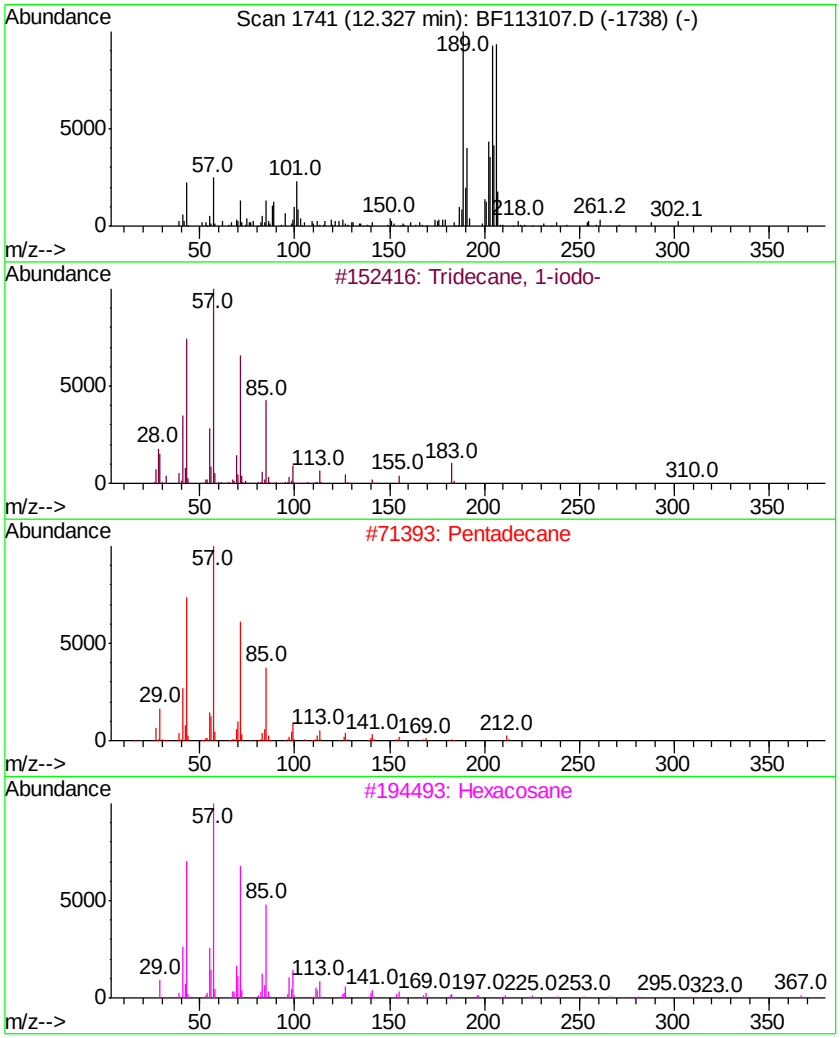
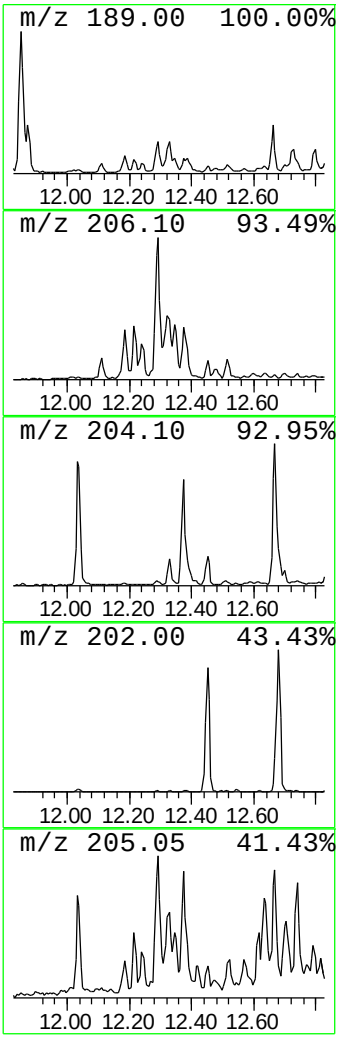
Peak Number 13 unknown12.33 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.21 ng	268289	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30
2	Pentadecane	212	C15H32	000629-62-9	25
3	Hexacosane	366	C26H54	000630-01-3	25
4	Tetradecane	198	C14H30	000629-59-4	25
5	Nonadecane	268	C19H40	000629-92-5	25





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Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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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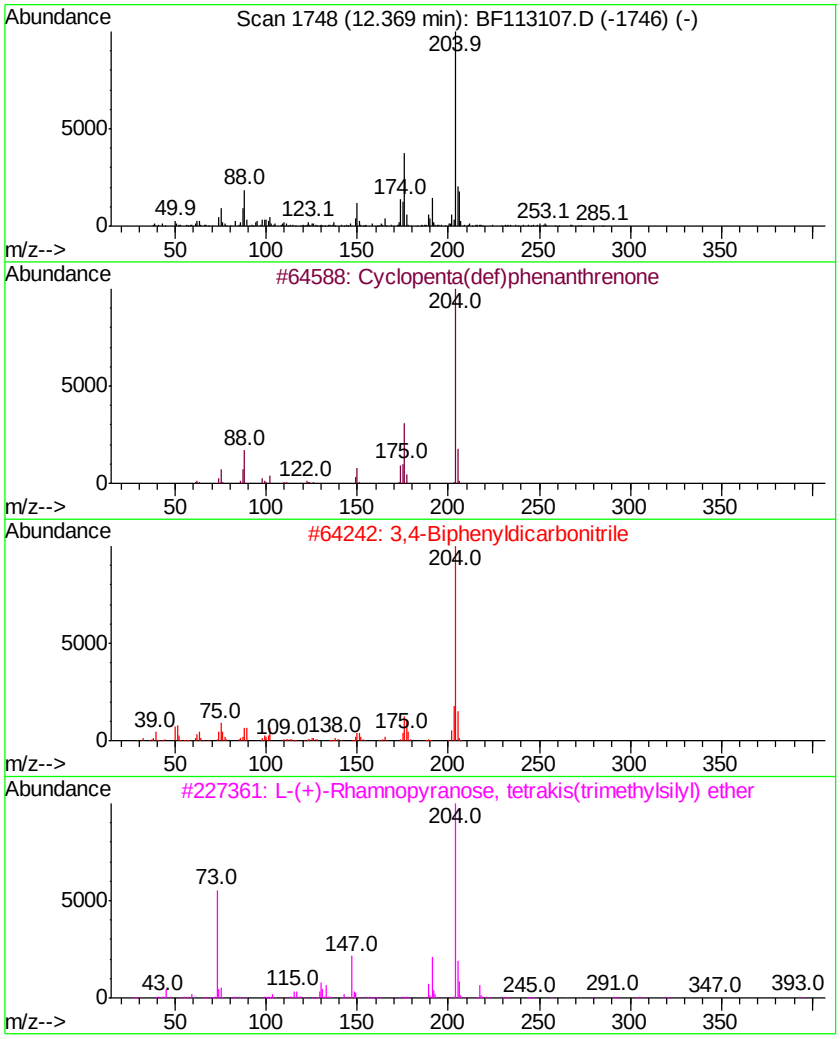
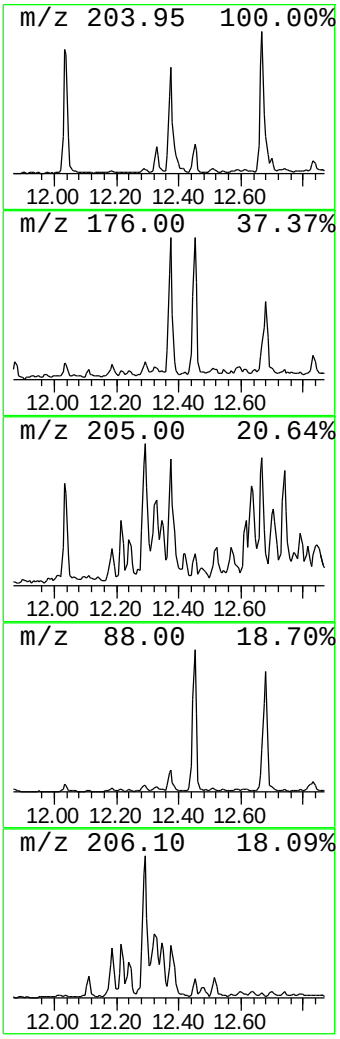
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.87 ng	246366	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
4	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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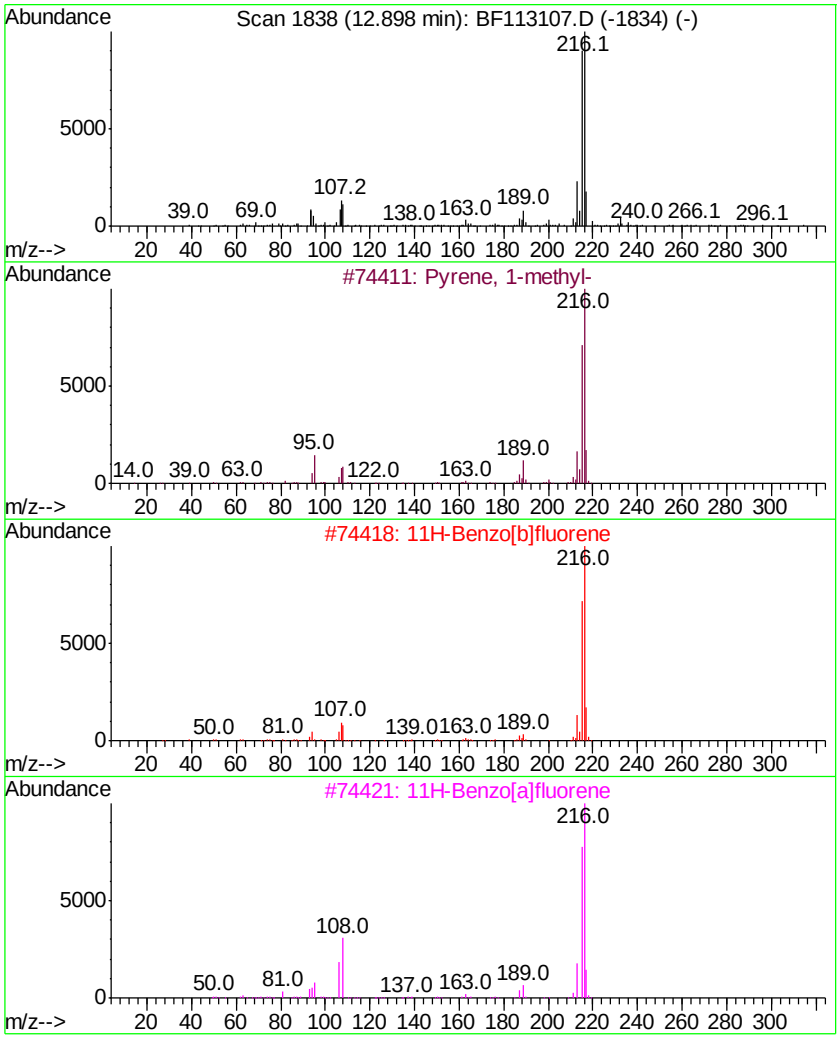
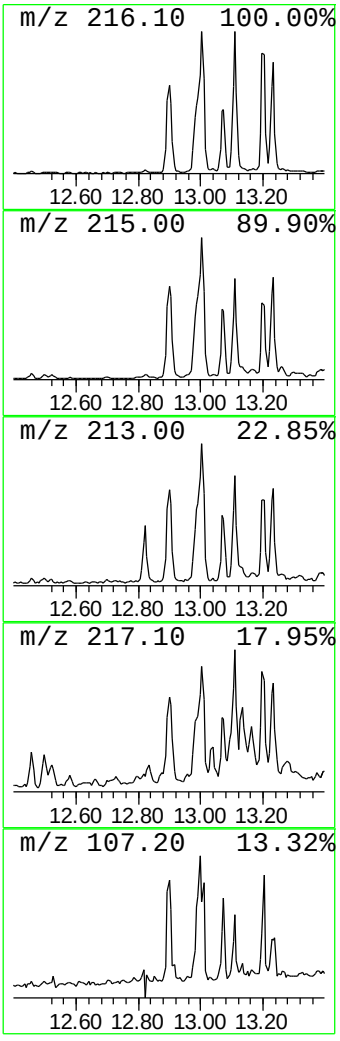
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	2.43 ng	318405	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Sample : K1901-09 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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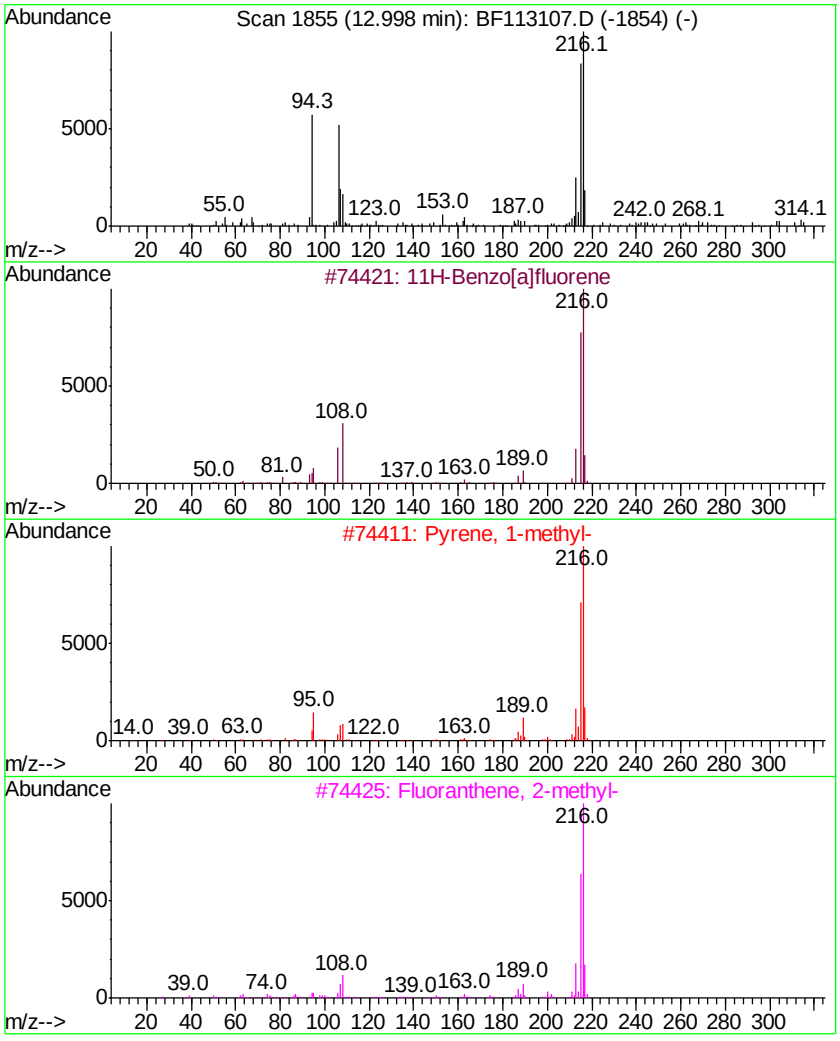
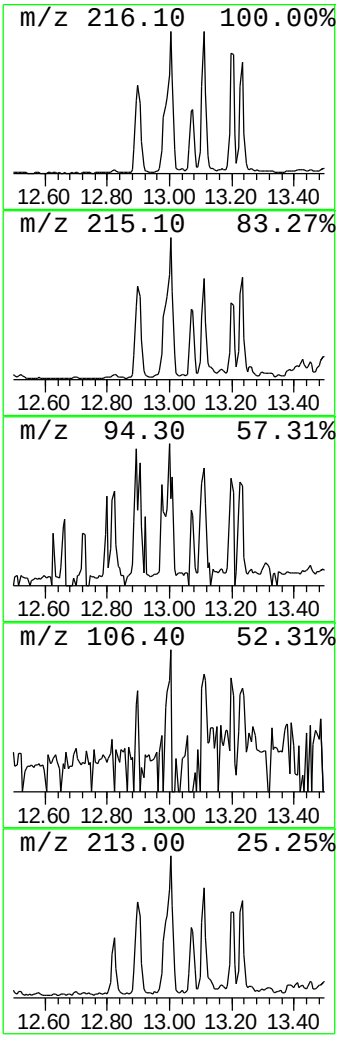
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.31 ng	302065	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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TIC Integration Parameters: LSCINT.P

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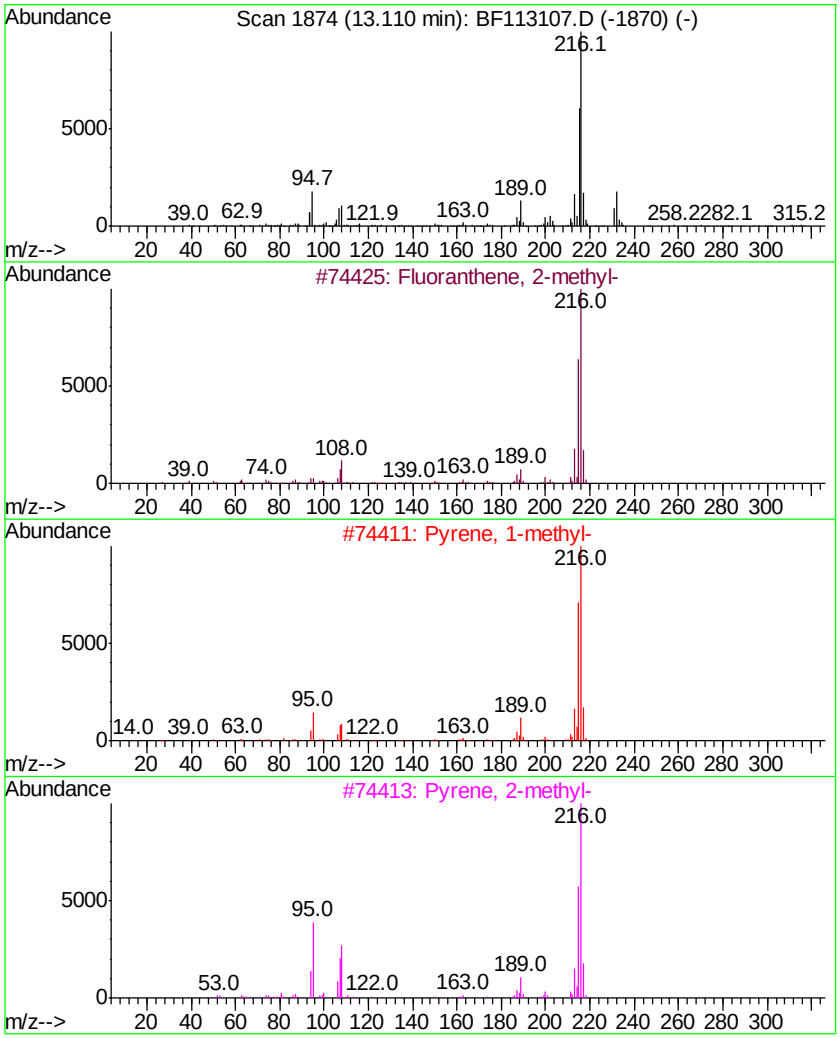
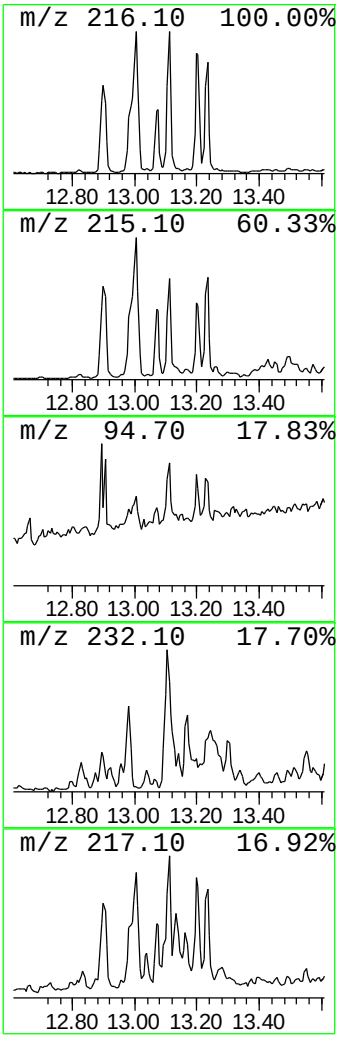
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	2.63 ng	343922	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	97
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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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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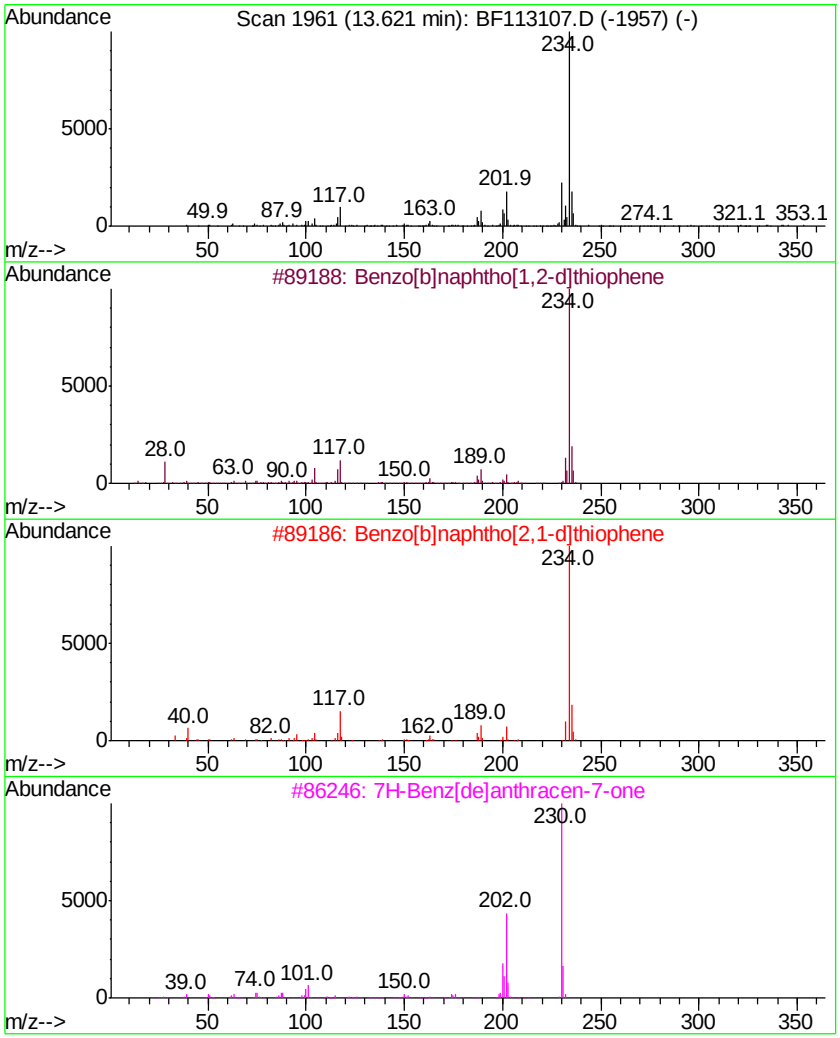
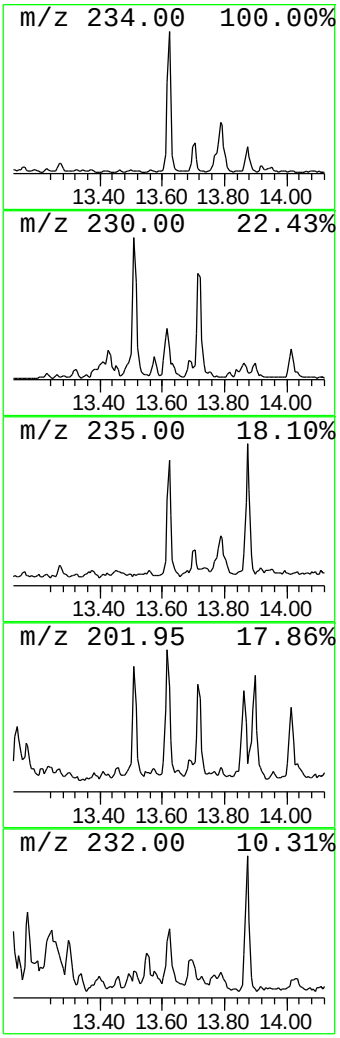
Peak Number 18 Benzo[b]naphtho[1,2-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	2.38 ng	311119	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	66
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	46





Library Search Compound Report

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Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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

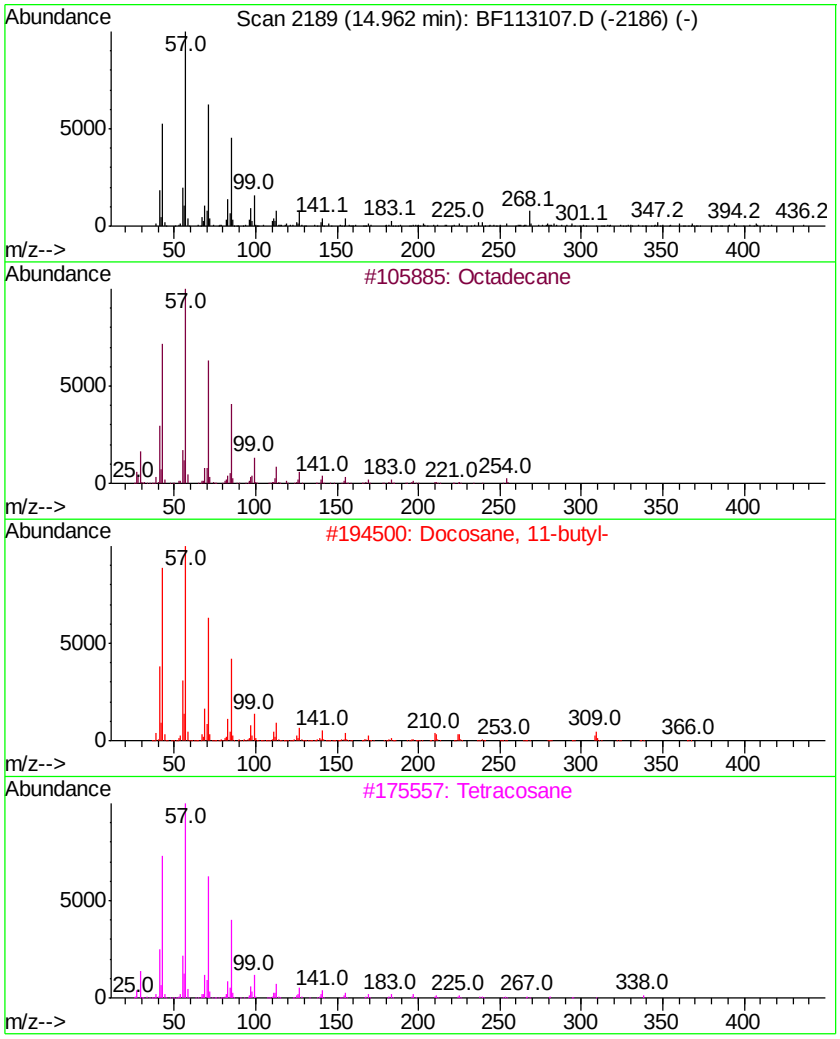
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

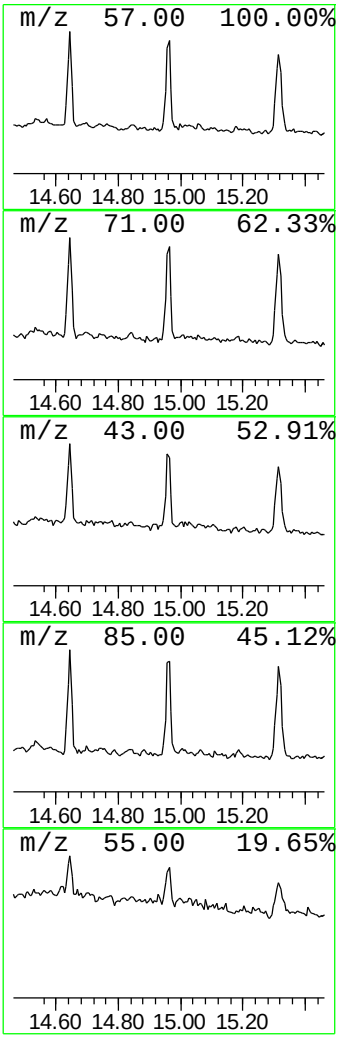
****

Peak Number 19 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	4.12 ng	180024	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
3	Tetracosane	338	C24H50	000646-31-1	81
4	Hexacosane	366	C26H54	000630-01-3	81
5	Docosane	310	C22H46	000629-97-0	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113107.D
Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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

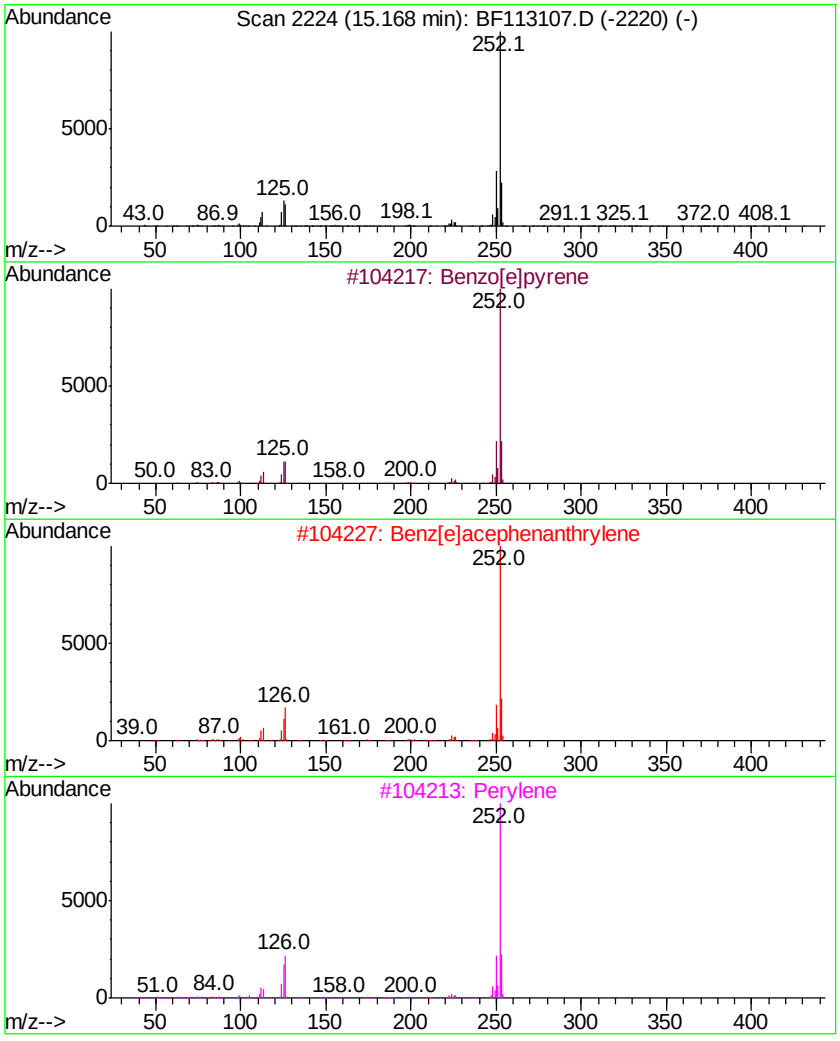
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

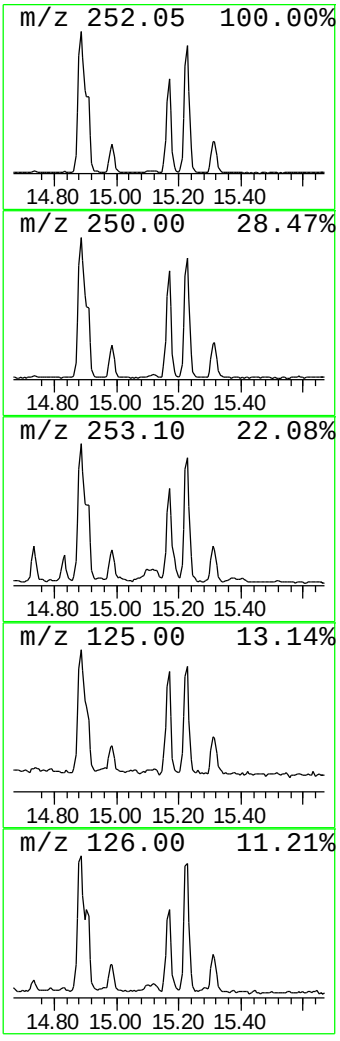
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	14.59 ng	637646	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
Data File : BF113107.D
Acq On : 18 Mar 2019 22:56
Operator : JU/SJ
Sample : K1901-09 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16(0.5-1.5)

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
2-Pentanone, 4-hy...	4.90	2.1	ng	88806	1	6.73	846379	20.0
unknown6.50	6.50	31.6	ng	1339250	1	6.73	846379	20.0
Anthracene, 2-met...	11.74	5.2	ng	332044	4	11.24	1273800	20.0
Phenanthrene, 1-m...	11.77	6.8	ng	434498	4	11.24	1273800	20.0
Anthracene, 9-met...	11.82	2.1	ng	132078	4	11.24	1273800	20.0
4H-Cyclopenta[def...	11.85	7.8	ng	497444	4	11.24	1273800	20.0
Anthracene, 1-met...	11.87	4.1	ng	258921	4	11.24	1273800	20.0
5,16[1',2']:8,13[...	12.03	2.7	ng	174346	4	11.24	1273800	20.0
9,10-Anthracenedione	12.06	2.6	ng	165721	4	11.24	1273800	20.0
Phenanthrene, 4,5...	12.19	2.9	ng	182132	4	11.24	1273800	20.0
Phenanthrene, 2,5...	12.29	4.2	ng	269746	4	11.24	1273800	20.0
unknown12.33	12.33	4.2	ng	268289	4	11.24	1273800	20.0
Cyclopenta(def)ph...	12.37	3.9	ng	246366	4	11.24	1273800	20.0
Pyrene, 1-methyl-	12.90	2.4	ng	318405	5	13.87	2615460	20.0
11H-Benzo[a]fluorene	13.00	2.3	ng	302065	5	13.87	2615460	20.0
Fluoranthene, 2-m...	13.11	2.6	ng	343922	5	13.87	2615460	20.0
Benzo[b]naphtho[1...	13.62	2.4	ng	311119	5	13.87	2615460	20.0
Octadecane	14.96	4.1	ng	180024	6	15.29	874083	20.0
Benzo[e]pyrene	15.17	14.6	ng	637646	6	15.29	874083	20.0