LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

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-BF072018.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	5.201	483	487	500	rBV	396869	692994	14.83%	0.909%
2	5.601	551	555	581	rBV	2493951	4242707	90.80%	5.568%
3	6.601	720	725	736	rBV	2690718	4159861	89.03%	5.459%
4	6.678	736	738	744	rVV2	165095	271638	5.81%	0.356%
5	6.736	744	748	771	rVB	3573699	4672394	100.00%	6.132%
6	6.883	771	773	783	rVB6	34096	74133	1.59%	0.097%
7	6.960	783	786	796	rBV	713535	1140587	24.41%	1.497%
8	7.113	809	812	828	rBV2	2521466	3406972	72.92%	4.471%
9	7.225	828	831	846	rVB	63384	151654	3.25%	0.199%
10	7.525	878	882	906	rBV	1895957	3023666	64.71%	3.968%
11	7.978	953	959	965	rBV2	97314	114329	2.45%	0.150%
12	8.136	982	986	990	rBV	51211	53052	1.14%	0.070%
13	8.242	1000	1004	1007	rBV	1310769	1463677	31.33%	1.921%
14	8.954	1121	1125	1133	rBV	159833	259265	5.55%	0.340%
15	9.054	1138	1142	1153	rVB	316053	367552	7.87%	0.482%
16	9.313	1182	1186	1195	rBV	3456661	3736023	79.96%	4.903%
17	9.583	1228	1232	1241	rBV3	76070	140408	3.01%	0.184%
18	9.654	1241	1244	1247	rVV	128078	158177	3.39%	0.208%
19	9.707	1250	1253	1260	rVV	261323	310585	6.65%	0.408%
20	9.772	1260	1264	1273	rVB2	69109	131680	2.82%	0.173%
21	9.860	1275	1279	1284	rBV	210101	247169	5.29%	0.324%
22	10.001	1299	1303	1306	rBV	1558737	1504791	32.21%	1.975%
23	10.030	1306	1308	1318	rVB	558669	576642	12.34%	0.757%
24	10.207	1333	1338	1342	rBV	272217	373993	8.00%	0.491%
25	10.236	1342	1343	1348	rVB2	89069	69573	1.49%	0.091%
26	10.313	1353	1356	1359	rBV2	67219	85116	1.82%	0.112%
27	10.407	1367	1372	1377	rBV2	114603	128855	2.76%	0.169%
28	10.548	1393	1396	1402	rBV	591415	693469	14.84%	0.910%
29	10.630	1405	1410	1413	rVV3	78729	103964	2.23%	0.136%
30	10.707	1417	1423	1429	rVB	102814	125328	2.68%	0.164%
31	10.795	1434	1438	1447	rVV	2361566	2801535	59.96%	3.677%
32	10.883	1451	1453	1463	rVB3	158162	306991	6.57%	0.403%
33	11.101	1483	1490	1493	rBV2	130421	220116	4.71%	0.289%
34	11.124	1493	1494	1500	rVV2	60434	69659	1.49%	0.091%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.224	1506	1511	1513	rBV3	45009	64839	1.39%	0.085%
36	11.242	1513	1514	1521	rVB2	43077	59256	1.27%	0.078%
37	11.330	1527	1529	1532	rBV2	138797	118210	2.53%	0.155%
38	11.395	1536	1540	1550	rVB	148493	242975	5.20%	0.319%
39	11.495	1553	1557	1559	rBV	1247814	1293464	27.68%	1.697%
40	11.519	1559	1561	1567	rVV	2276347	2366855	50.66%	3.106%
41	11.571	1567	1570	1580	rVB	618199	797795	17.07%	1.047%
42	11.736	1592	1598	1600	rBV	218759	278486	5.96%	0.365%
43	11.760	1600	1602	1604	rVV	133545	115725	2.48%	0.152%
44	11.783	1604	1606	1611	rVB2	72083	66050	1.41%	0.087%
45	11.918	1625	1629	1633	rBV3	35000	59026	1.26%	0.077%
46	12.001	1639	1643	1645	rBV2	502140	557545	11.93%	0.732%
47	12.024	1645	1647	1653	rVV	372670	432959	9.27%	0.568%
48	12.071	1653	1655	1658	rVV	127517	130603	2.80%	0.171%
49	12.113	1658	1662	1669	rVB2	531863	819281	17.53%	1.075%
50	12.166	1669	1671	1673	rBV	65761	62451	1.34%	0.082%
51	12.189	1673	1675	1678	rVV	62201	60778	1.30%	0.080%
52	12.224	1678	1681	1686	rVB	511104	474816	10.16%	0.623%
53	12.289	1689	1692	1696	rBV	170573	172841	3.70%	0.227%
54	12.407	1709	1712	1714	rBV3	97352	96585	2.07%	0.127%
55	12.430	1714	1716	1721	rVB4	66340	85466	1.83%	0.112%
56	12.513	1725	1730	1733	rBV3	289207	287545	6.15%	0.377%
57	12.548	1733	1736	1739	rBV3	166203	200218	4.29%	0.263%
58	12.583	1739	1742	1748	rVB4	110136	212812	4.55%	0.279%
59	12.636	1748	1751	1760	rVB4	73464	146636	3.14%	0.192%
60	12.713	1760	1764	1767	rBV	2264257	2426594	51.93%	3.185%
61	12.742	1767	1769	1773	rVV	3009298	2731196	58.45%	3.584%
62	12.783	1774	1776	1778	rVV3	70970	69042	1.48%	0.091%
63	12.807	1778	1780	1784	rVB	191972	201733	4.32%	0.265%
64	12.865	1788	1790	1792	rBV	66850	63594	1.36%	0.083%
65	12.948	1797	1804	1809	rVV	2080761	2474051	52.95%	3.247%
66	12.989	1809	1811	1817	rVV2	124395	159564	3.42%	0.209%
67	13.077	1820	1826	1833	rVV	2428703	2580216	55.22%	3.386%
68	13.160	1836	1840	1841	rVV3	158030	231961	4.96%	0.304%
69	13.183	1841	1844	1851	rVV2	584263	713833	15.28%	0.937%
70	13.248	1851	1855	1856	rVV3	163807	199409	4.27%	0.262%
71	13.271	1856	1859	1864	rVV	465363	571410	12.23%	0.750%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.336	1867	1870	1873	rVV	420209	431177	9.23%	0.566%
73	13.377	1873	1877	1884	rVB2	241264	411200	8.80%	0.540%
74	13.465	1889	1892	1895	rBV2	145265	168426	3.60%	0.221%
75	13.571	1907	1910	1912	rBV2	123860	132226	2.83%	0.174%
76	13.595	1912	1914	1916	rVB3	65428	54636	1.17%	0.072%
77	13.730	1934	1937	1939	rBV	95381	103086	2.21%	0.135%
78	13.783	1944	1946	1949	rVB	90252	77672	1.66%	0.102%
79	13.824	1949	1953	1956	rBV2	1125978	1447102	30.97%	1.899%
80	13.854	1956	1958	1961	rVV	376113	337956	7.23%	0.444%
81	13.895	1962	1965	1966	rVV	182284	164967	3.53%	0.216%
82	13.924	1966	1970	1972	rVV	1125051	1342091	28.72%	1.761%
83	13.942	1972	1973	1980	rVB4	863258	1161189	24.85%	1.524%
84	14.142	1999	2007	2011	rBV2	1846290	3231886	69.17%	4.241%
85	14.177	2011	2013	2019	rVB	1233149	1214217	25.99%	1.593%
86	14.254	2024	2026	2027	rBV	78478	62363	1.33%	0.082%
87	14.301	2031	2034	2040	rVB4	99302	148862	3.19%	0.195%
88	14.495	2065	2067	2068	rBV	71532	54407	1.16%	0.071%
89	14.530	2071	2073	2077	rVV	254852	269469	5.77%	0.354%
90	14.565	2077	2079	2082	rVV2	108065	106350	2.28%	0.140%
91	14.659	2093	2095	2097	rBV	125556	116927	2.50%	0.153%
92	14.683	2097	2099	2104	rVB	190719	191506	4.10%	0.251%
93	15.224	2186	2191	2194	rBV	1020720	1745376	37.36%	2.291%
94	15.336	2206	2210	2215	rBV	263435	334788	7.17%	0.439%
95	15.548	2241	2246	2252	rVB	562342	849938	18.19%	1.115%
96	15.612	2252	2257	2262	rBV	910181	1297049	27.76%	1.702%
97	15.677	2264	2268	2272	rBV2	716721	989131	21.17%	1.298%
98	17.248	2529	2535	2545	rVB2	337441	780585	16.71%	1.024%
99	17.724	2610	2616	2626	rBV	210698	523575	11.21%	0.687%
100	17.830	2627	2634	2646	rVB3	366664	946630	20.26%	1.242%

Sum of corrected areas: 76199162

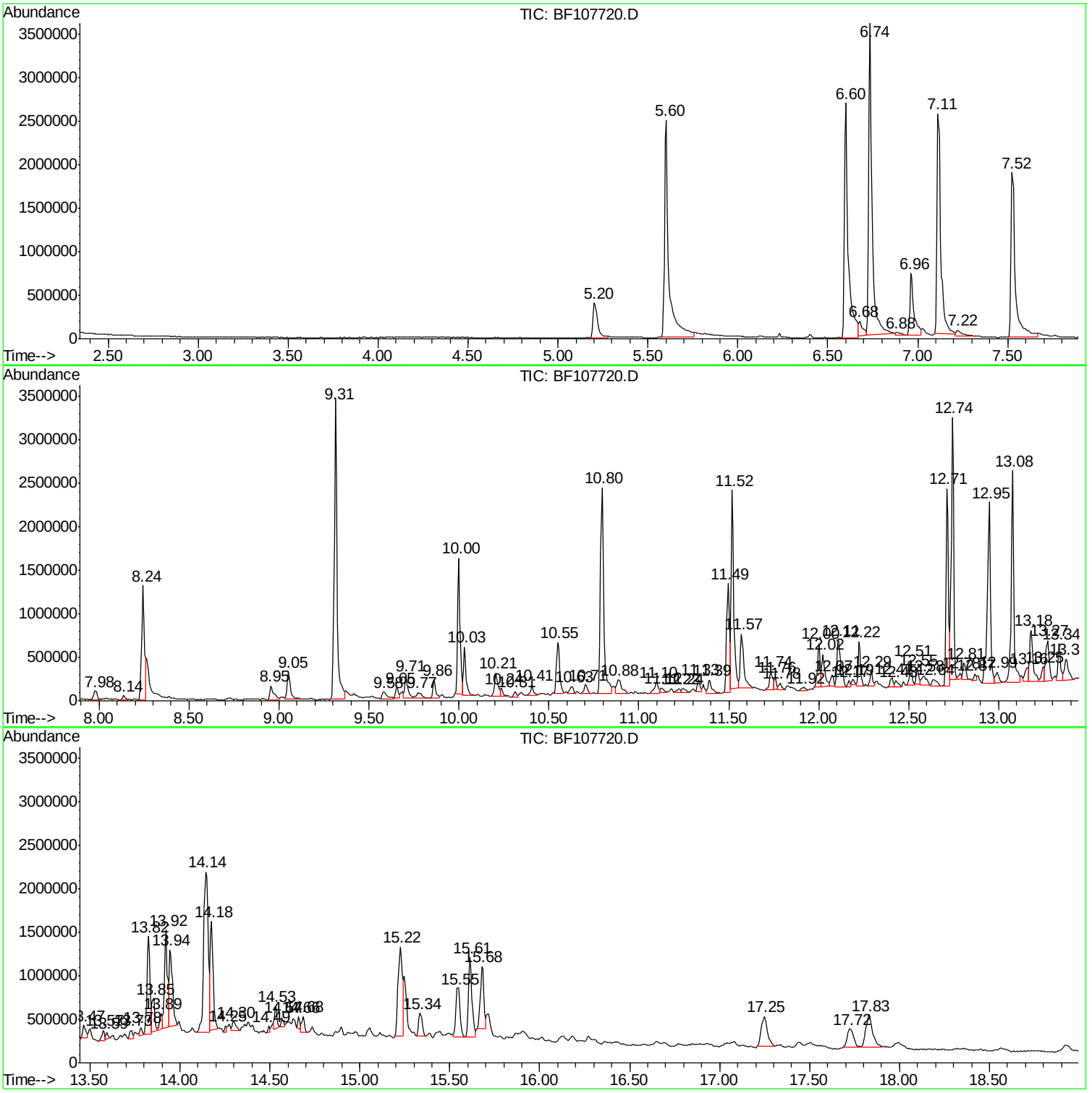
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

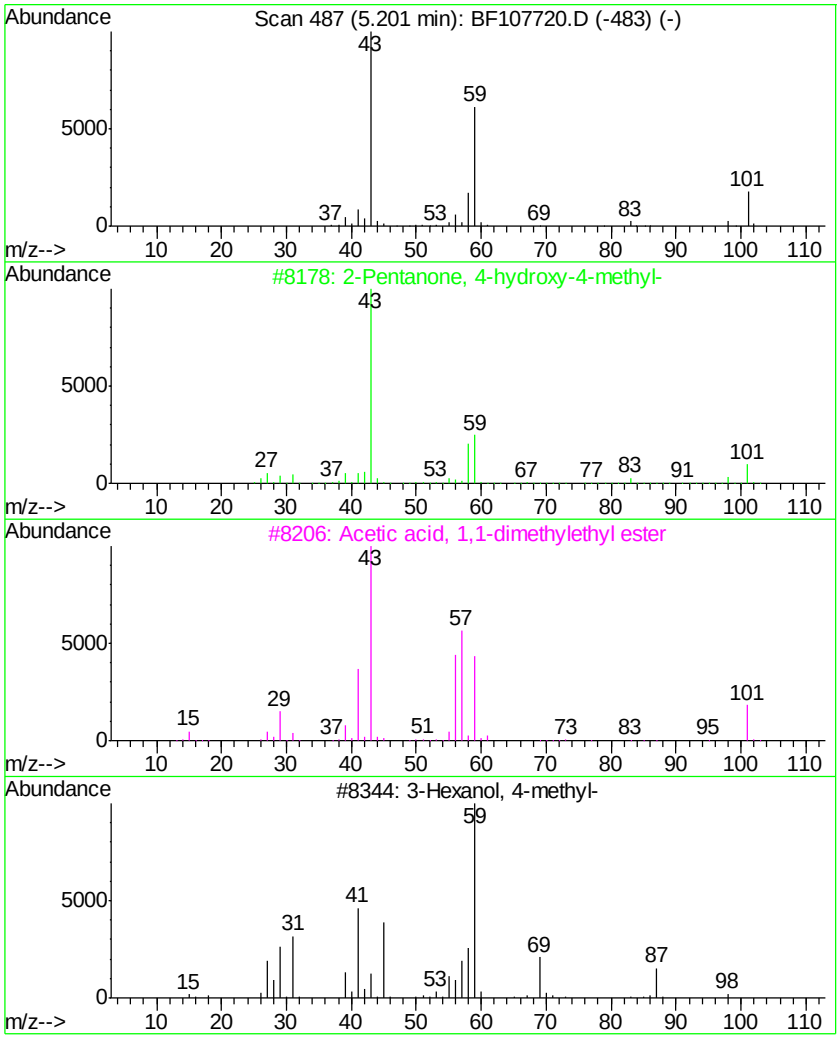
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

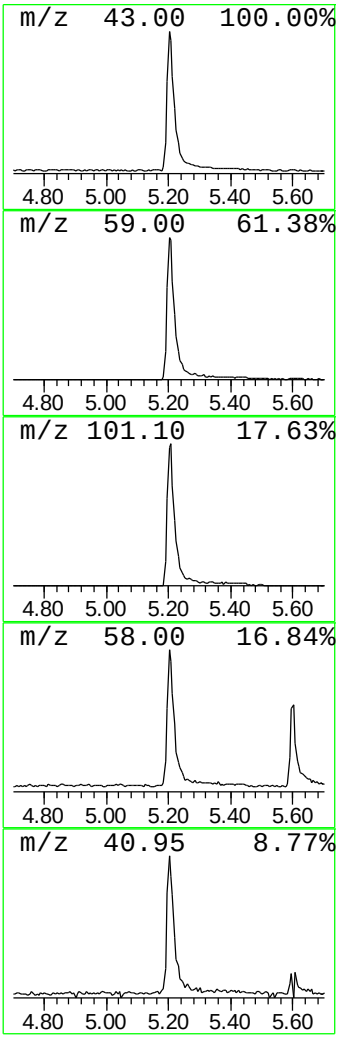
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	12.15 ng	692994	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

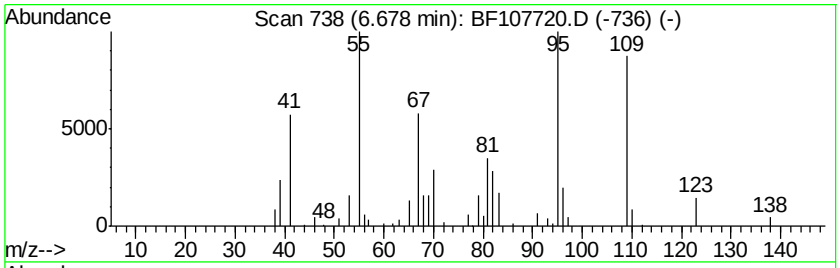
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

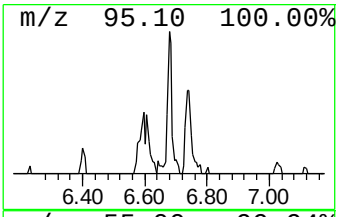
****

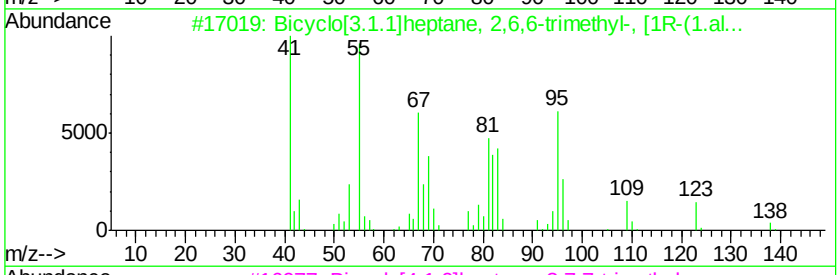
Peak Number 2 unknown6.68 Concentration Rank 15

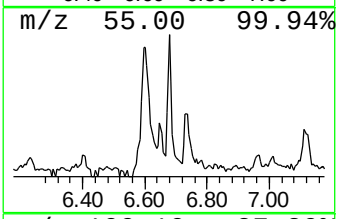
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	4.76 ng	271638	1,4-Dichlorobenzene-d4	6.96

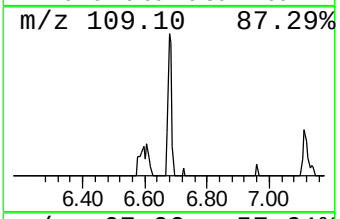
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	43
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	43
3	1,5-Hexadiene, 2,5-dimethyl-	110	C8H14	000627-58-7	38
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	38
5	3-Decyne	138	C10H18	002384-85-2	38

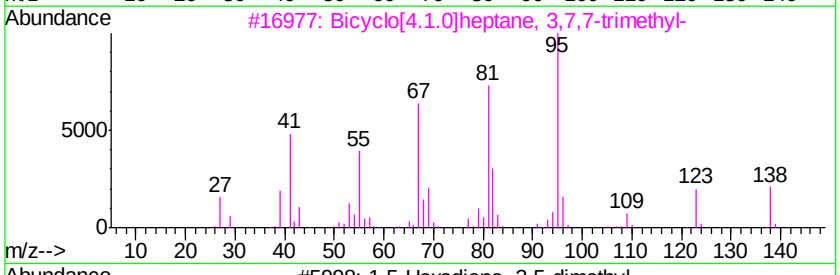


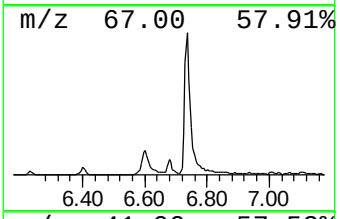


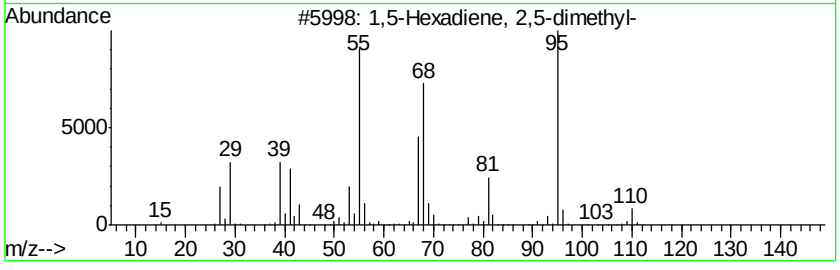


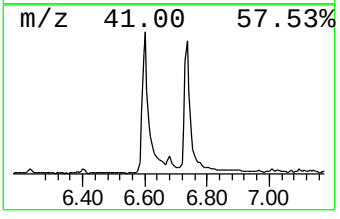












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

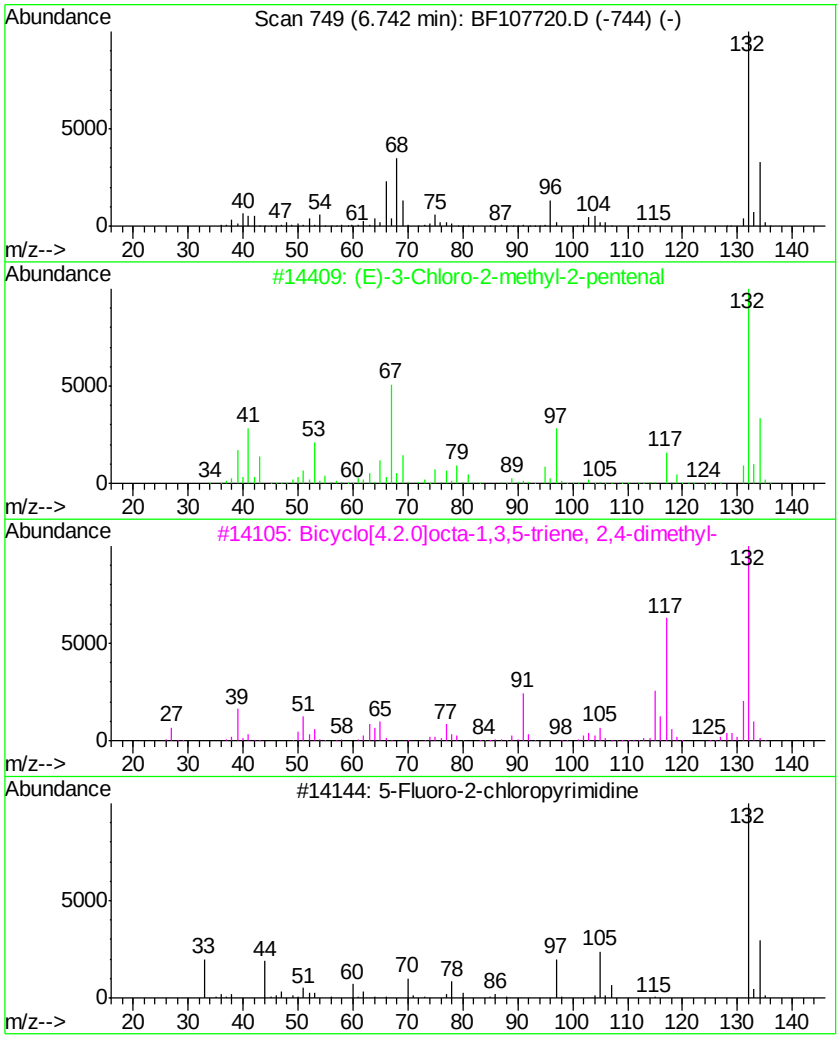
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

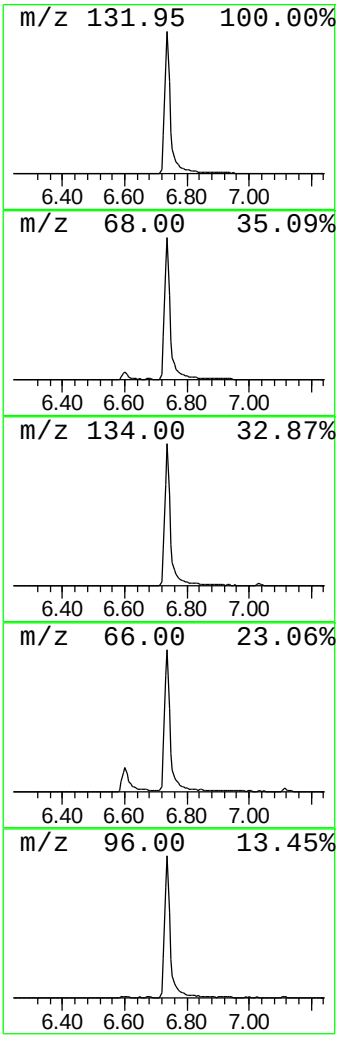
****

Peak Number 3 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	81.93 ng	4672390	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

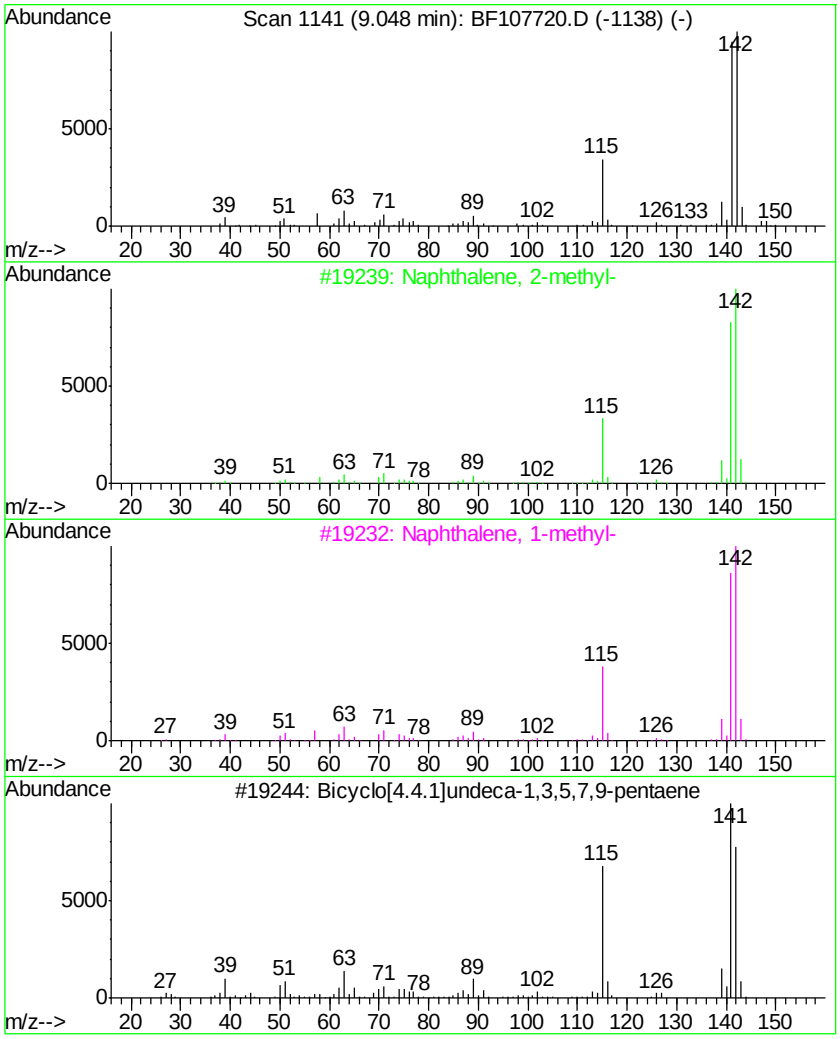
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

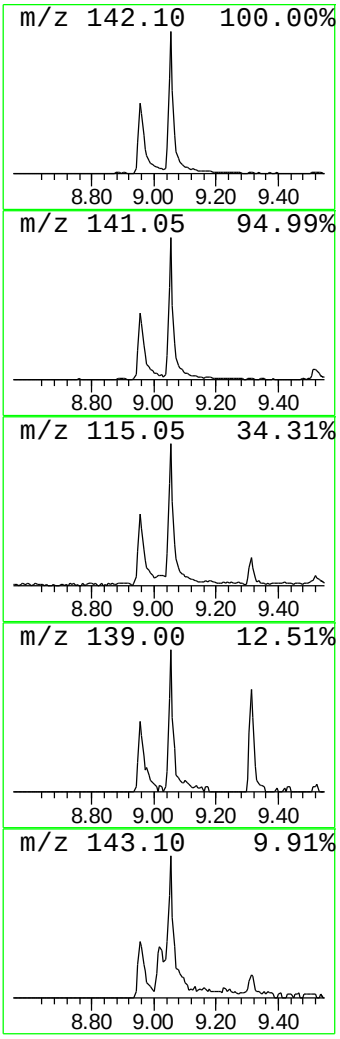
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	5.02 ng	367552	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





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Sample : J4121-01
Misc :
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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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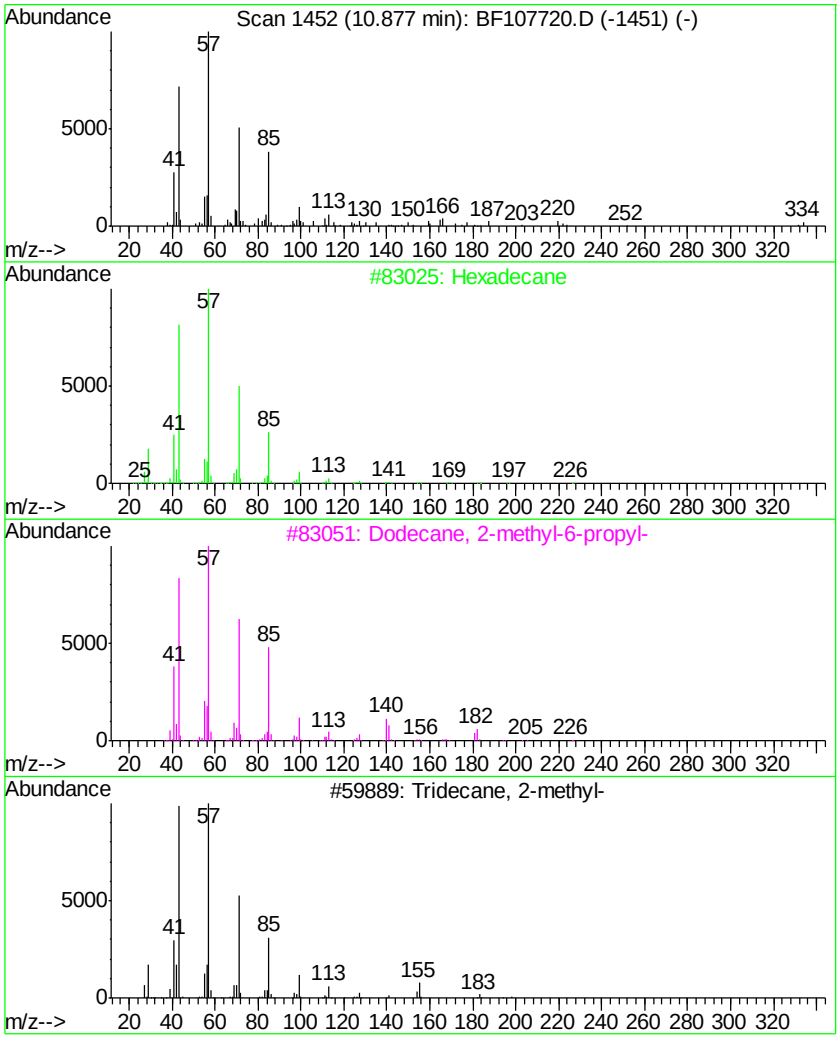
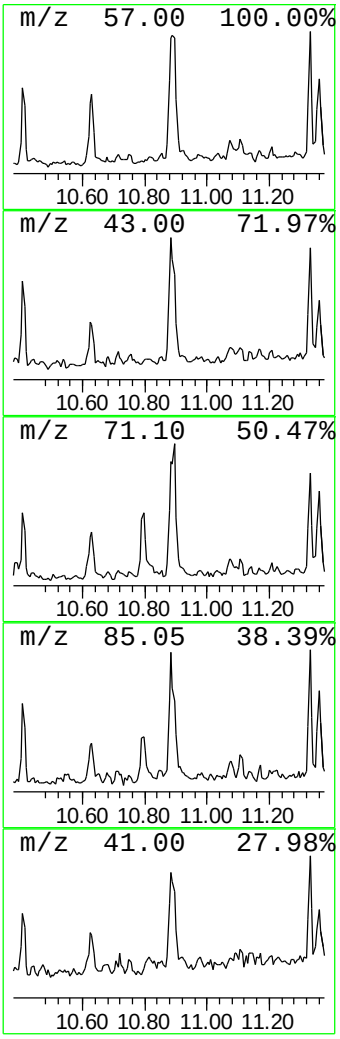
Peak Number 6 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	4.75 ng	306991	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	83
4	Heptadecane	240	C17H36	000629-78-7	72
5	Octadecane	254	C18H38	000593-45-3	59





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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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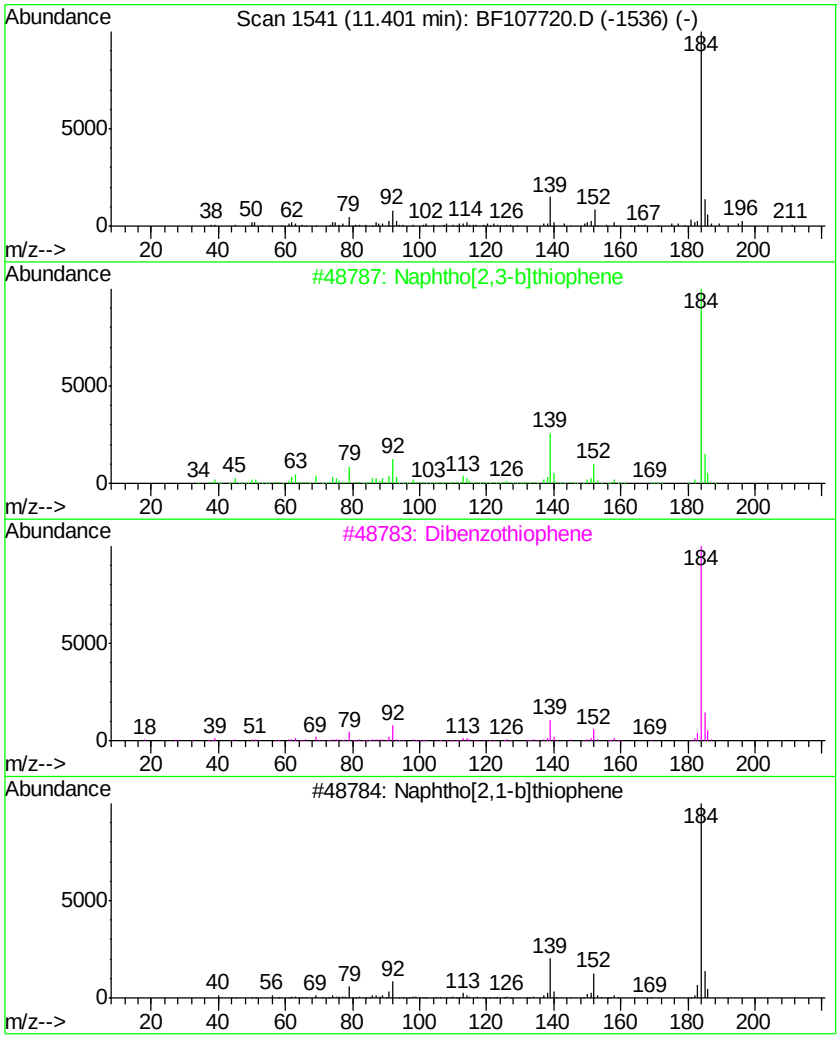
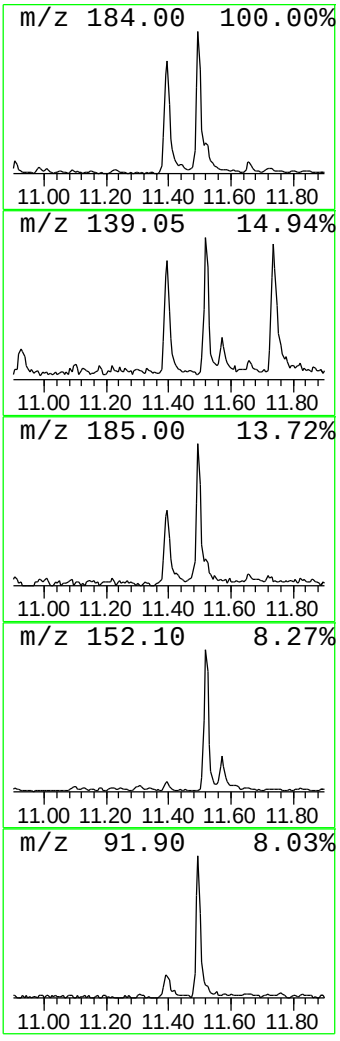
Peak Number 7 Naphtho[2,3-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.76 ng	242975	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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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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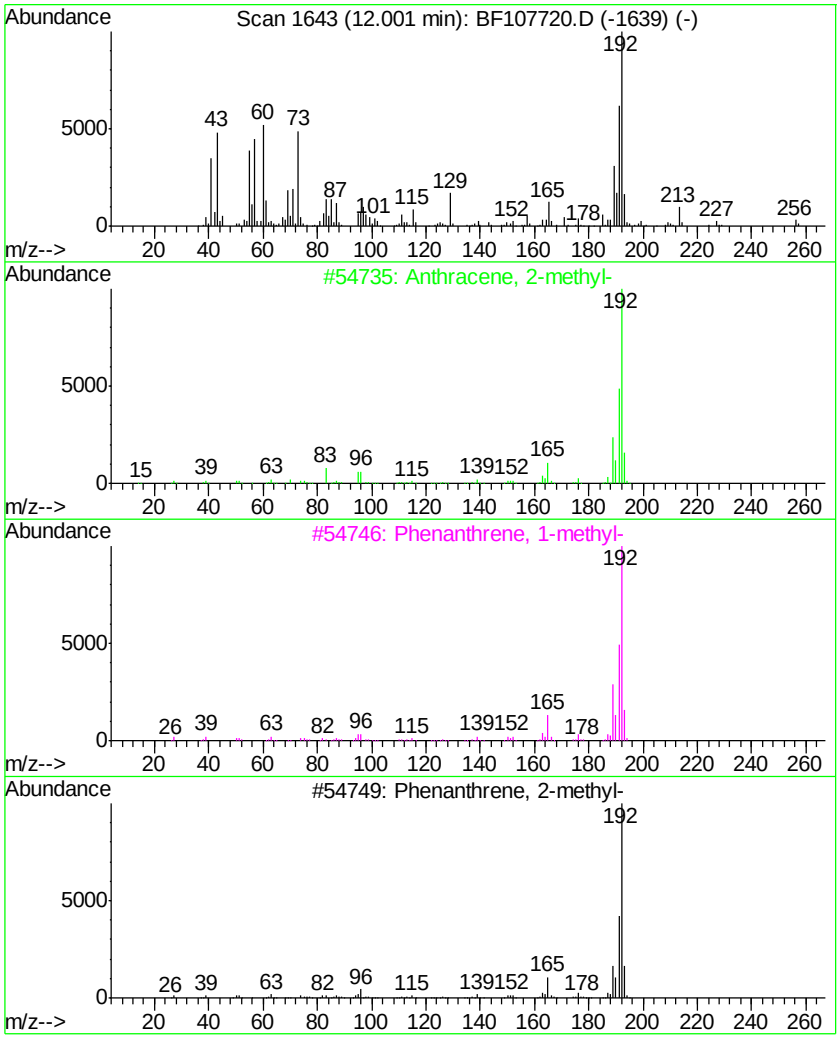
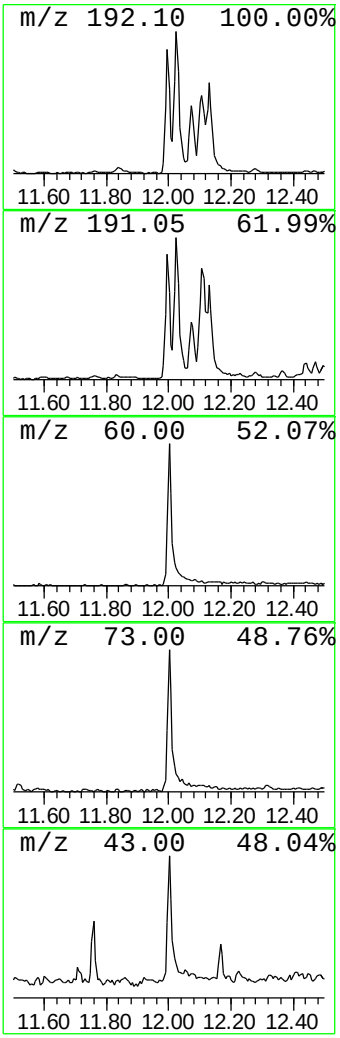
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.62 ng	557545	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-9(3-5)

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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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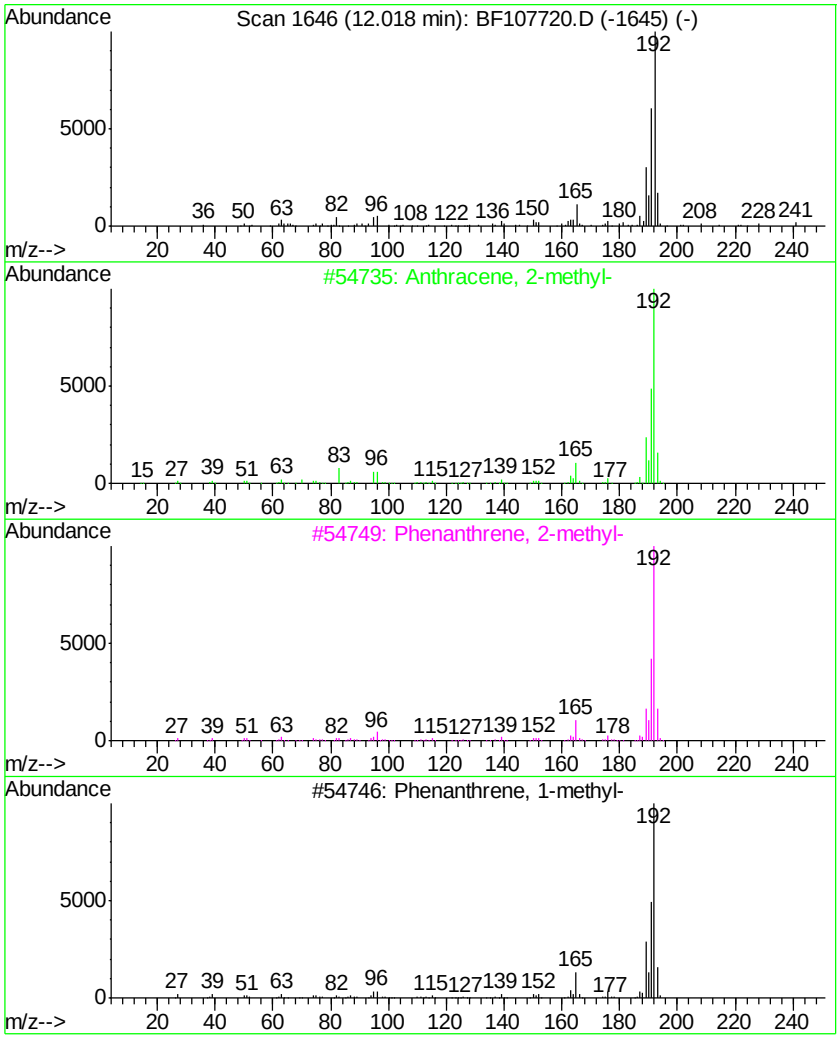
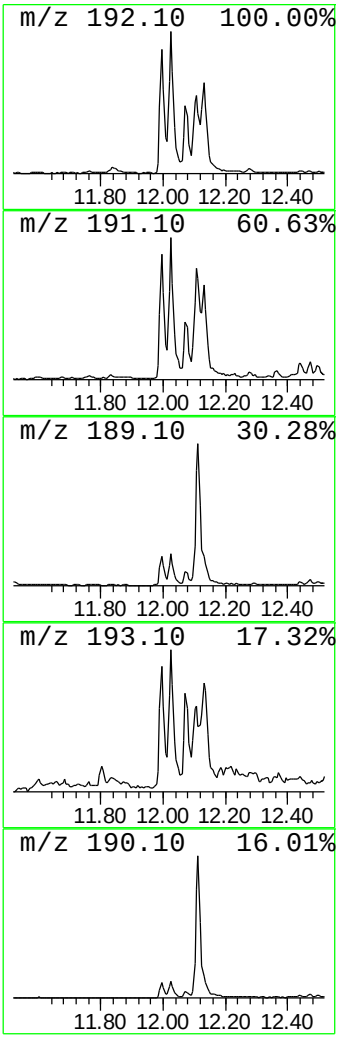
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.69 ng	432959	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	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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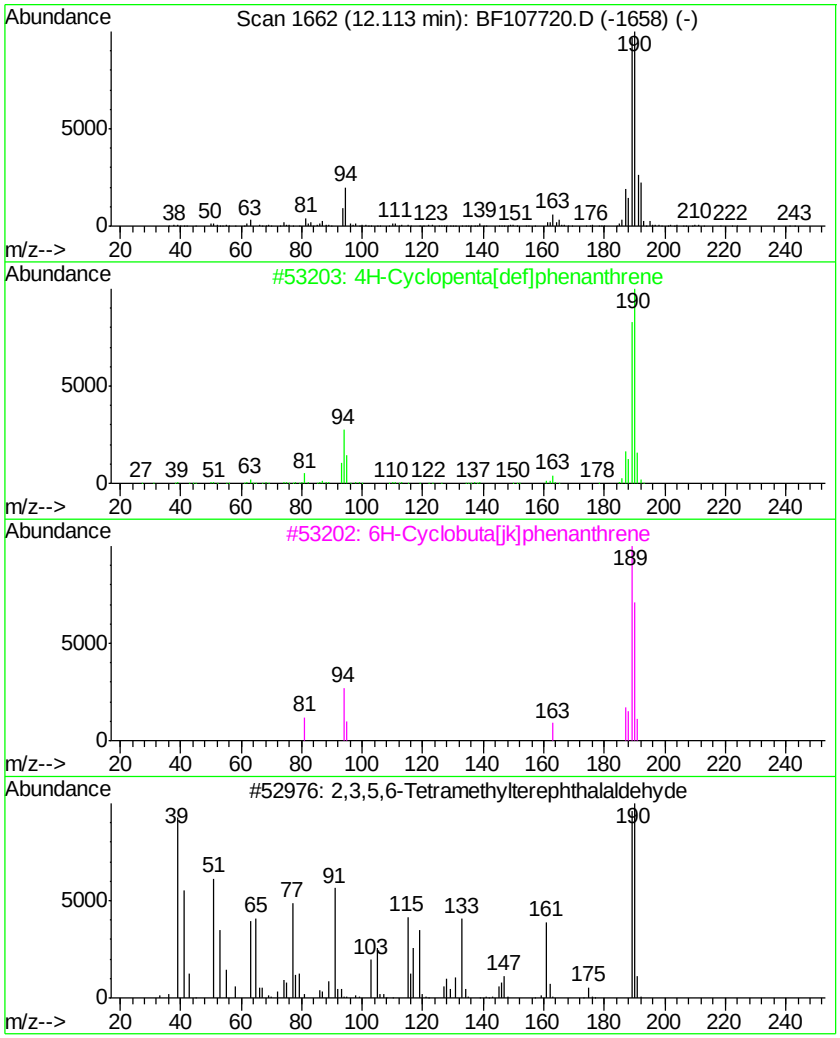
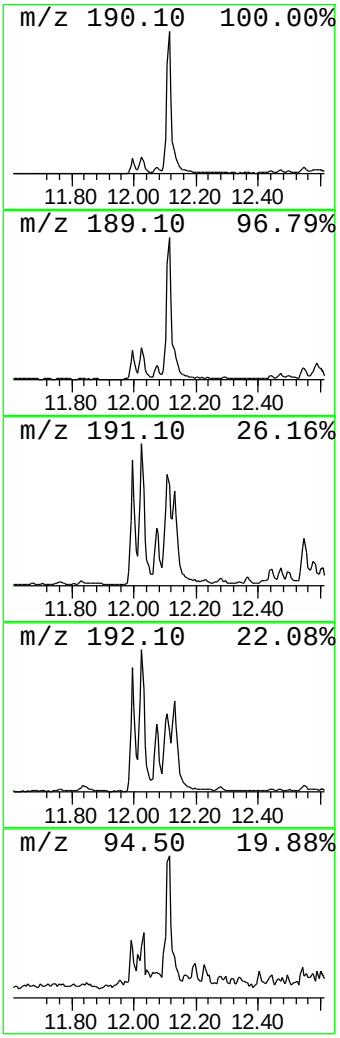
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	12.67 ng	819281	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	14





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ClientSampleId : SB-9(3-5)

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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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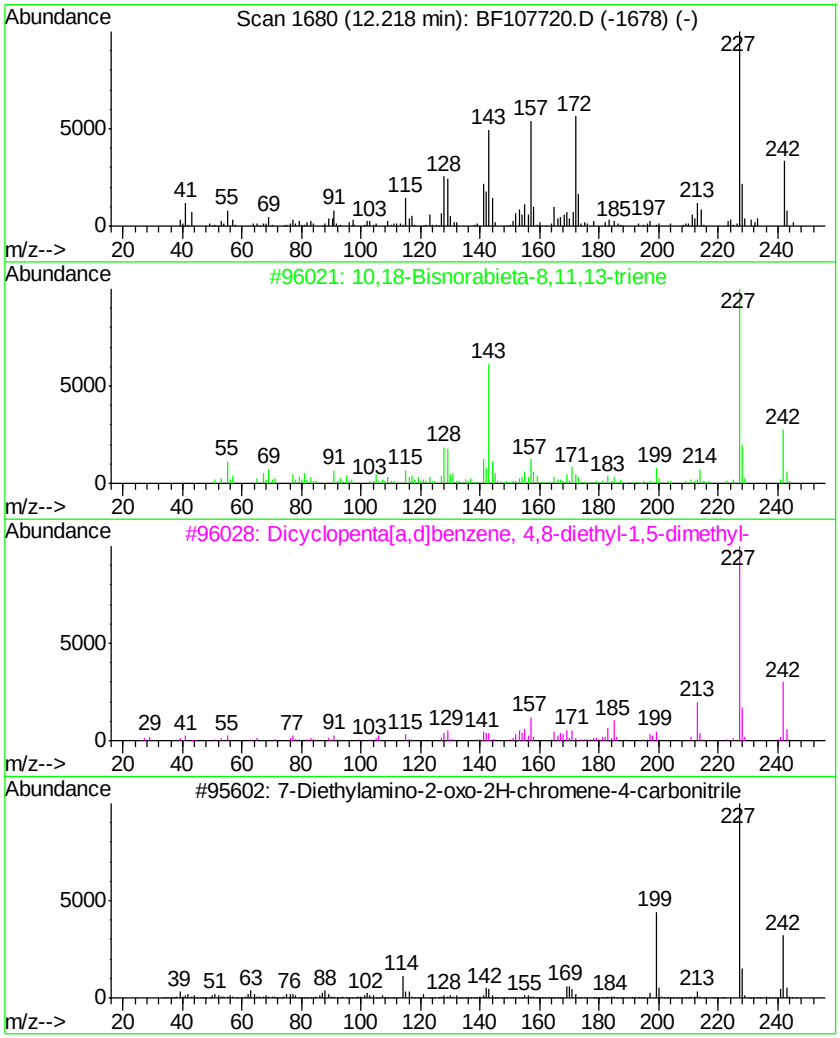
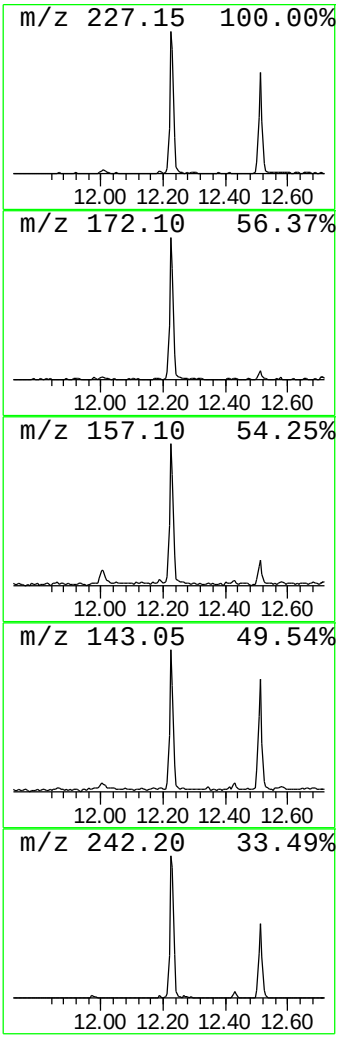
Peak Number 11 10,18-Bisnorabieta-8,11,13-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	7.34 ng	474816	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	60
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	46
3	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	30
4	5H-Indeno[2,1-E]1,2,4triazin-5-o...	227	C10H9N7	1000271-75-1	30
5	2-(4'-Hydroxyphenyl)-2-(4'-metho...	242	C16H18O2	016530-58-8	27





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Sample : J4121-01
Misc :
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Instrument : BNA_F
ClientSampleId : SB-9(3-5)

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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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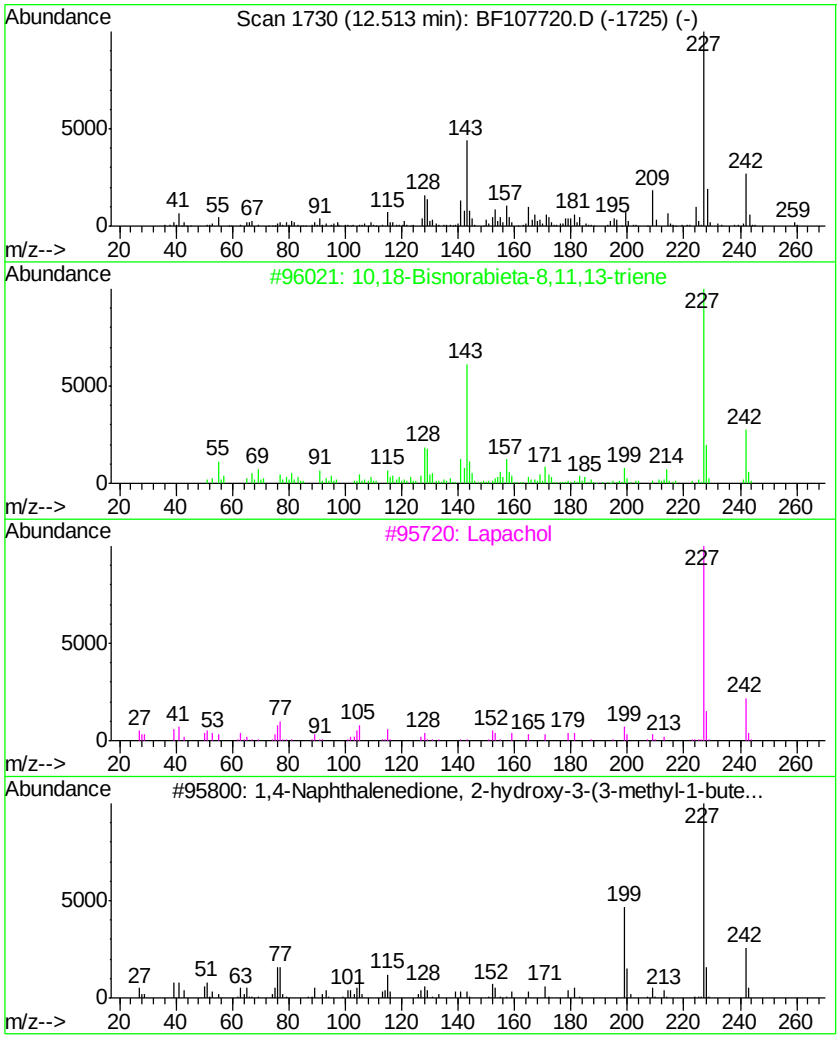
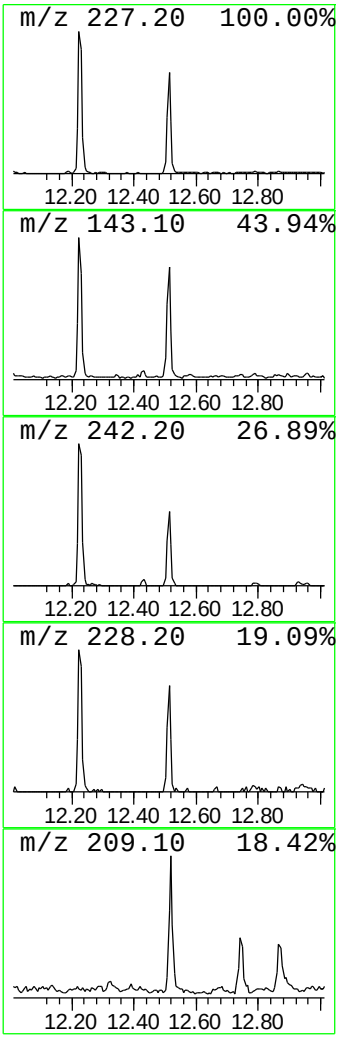
Peak Number 12 Lapachol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	4.45 ng	287545	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	93
2	Lapachol	242	C15H14O3	000084-79-7	60
3	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	53
4	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	53
5	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	52





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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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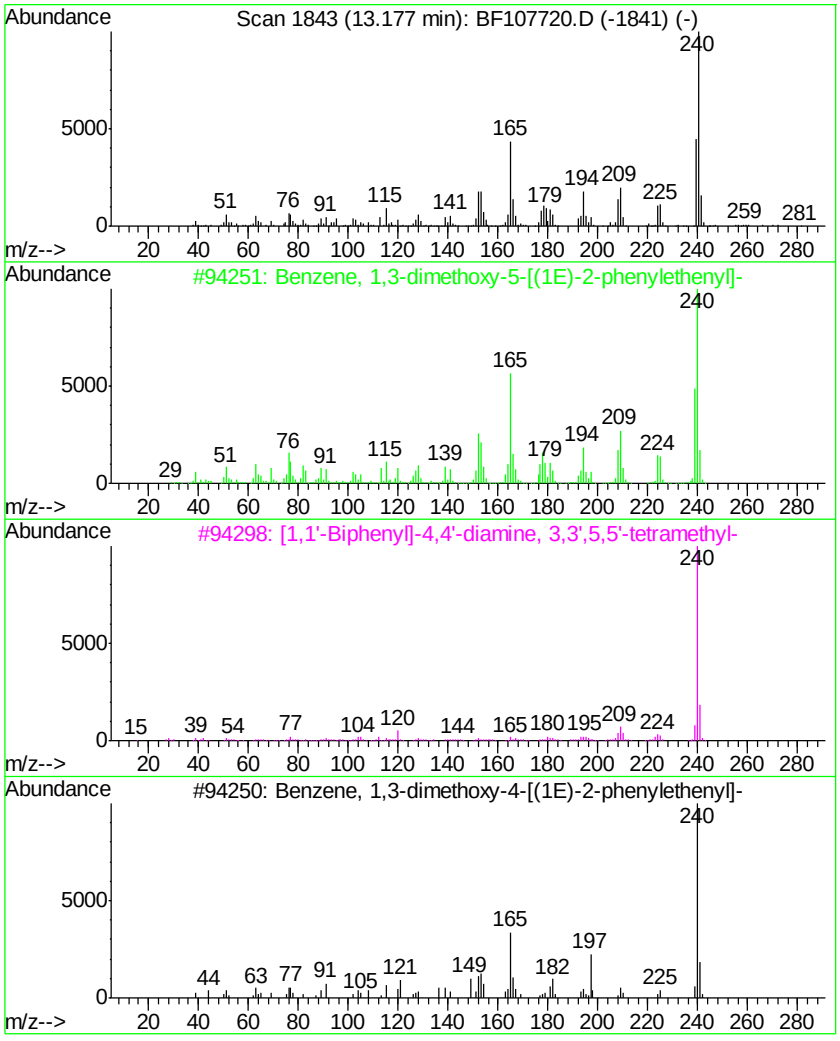
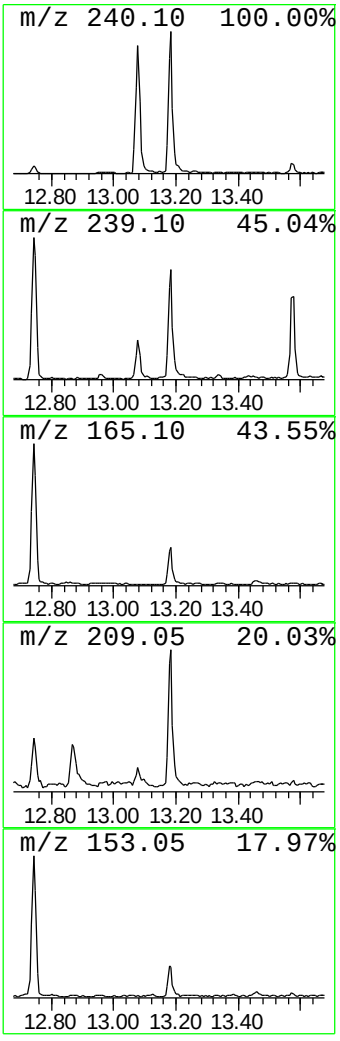
Peak Number 13 Benzene, 1,3-dimethoxy-5-[(... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	4.42 ng	713833	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	98
2	[1,1'-Biphenyl]-4,4'-diamine, 3,...	240	C16H20N2	054827-17-7	60
3	Benzene, 1,3-dimethoxy-4-[(1E)-2...	240	C16H16O2	1000368-46-0	58
4	Benzenamine, N-[(4-methylphenyl)...	240	C14H12N2O2	020192-50-1	52
5	4-[2-(4-Hydroxy-phenyl)-vinyl]-b...	240	C15H12O3	152027-61-7	50





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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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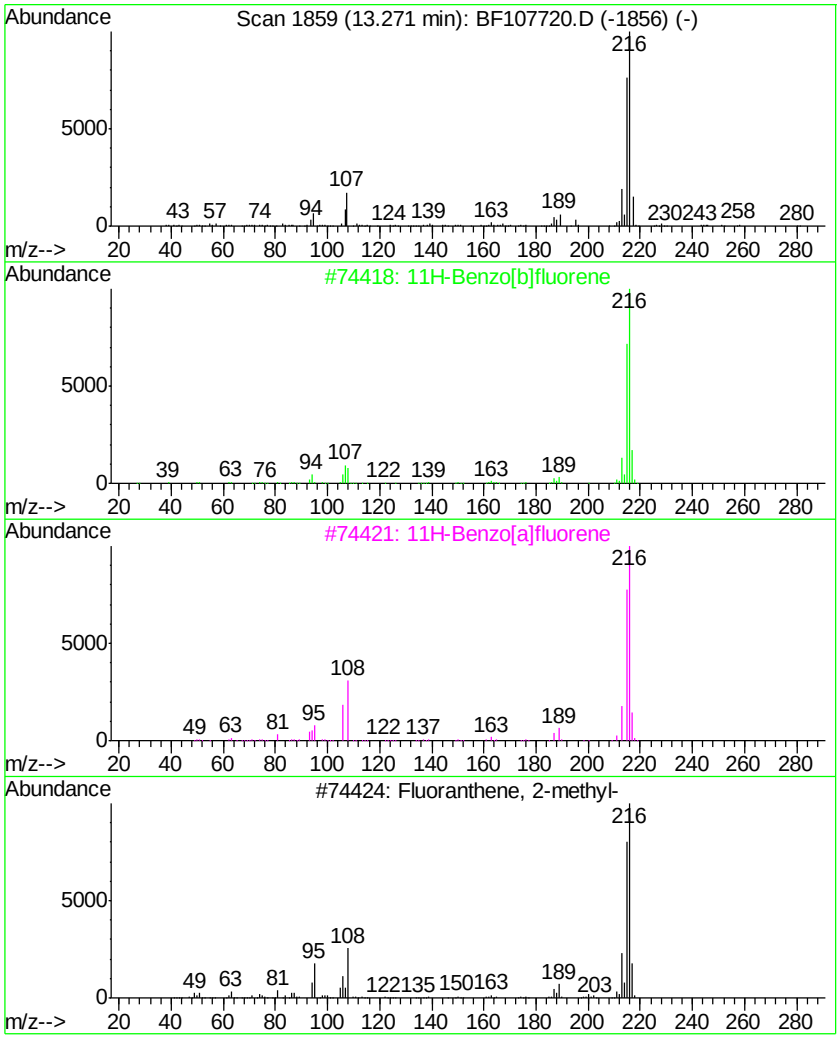
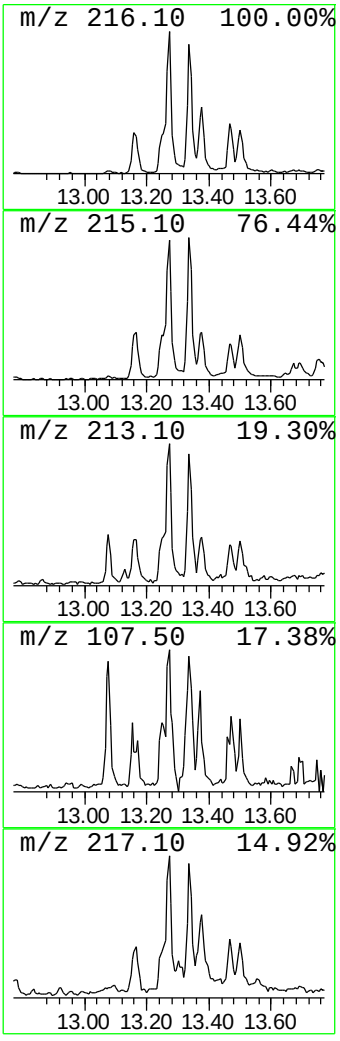
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.54 ng	571410	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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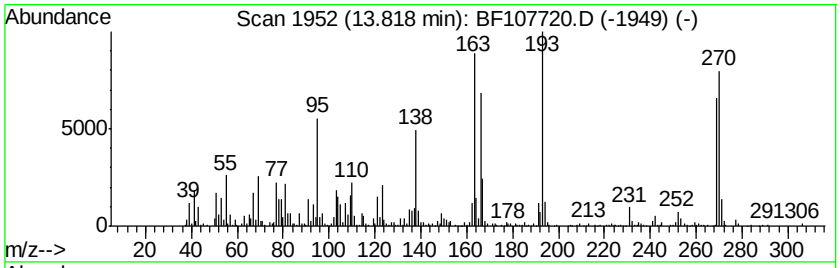
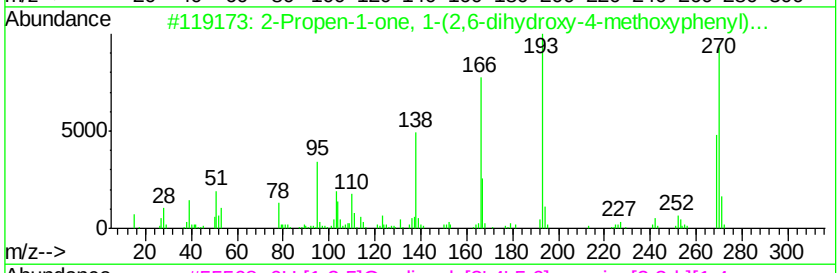
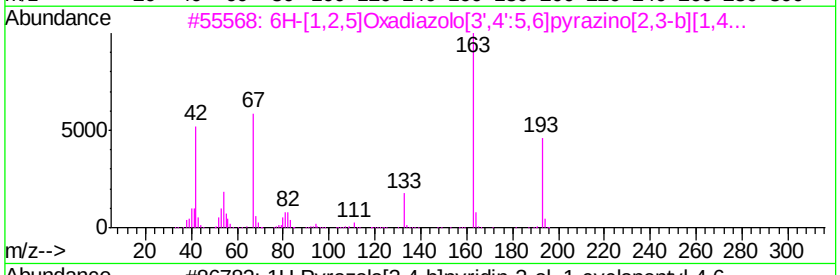
Peak Number 15 2-Propen-1-one, 1-(2,6-dihy... Concentration Rank 7

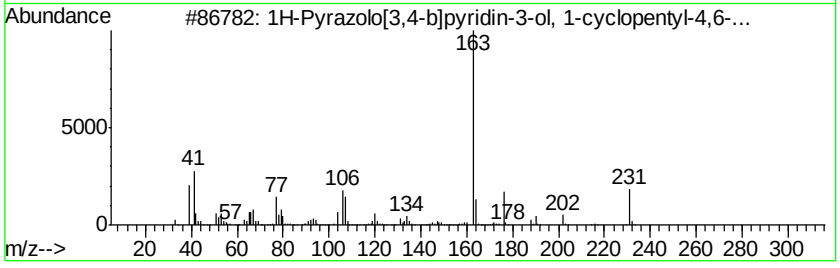
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	8.96 ng	1447100	Chrysene-d12	14.15

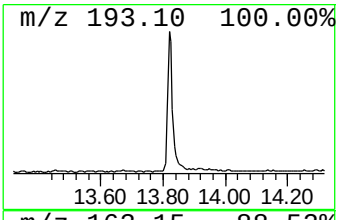
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propen-1-one, 1-(2,6-dihydroxy...	270	C16H14O4	018956-15-5	94
2	6H-[1,2,5]Oxadiazolo[3',4':5,6]p...	193	C7H7N5O2	211918-29-5	35
3	1H-Pyrazolo[3,4-b]pyridin-3-ol, ...	231	C13H17N3O	1000303-92-1	22
4	(9-Methyl-indeno[1,2-b]pyridin-5...	270	C19H14N2	1000296-66-6	22
5	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	20

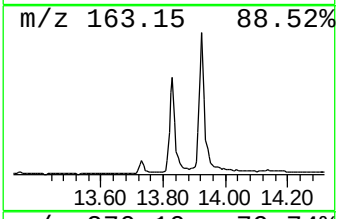


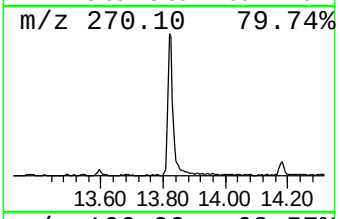


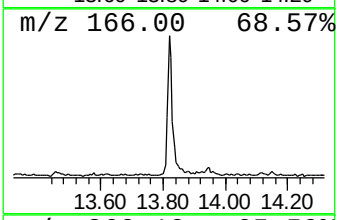


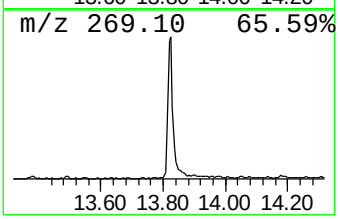












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Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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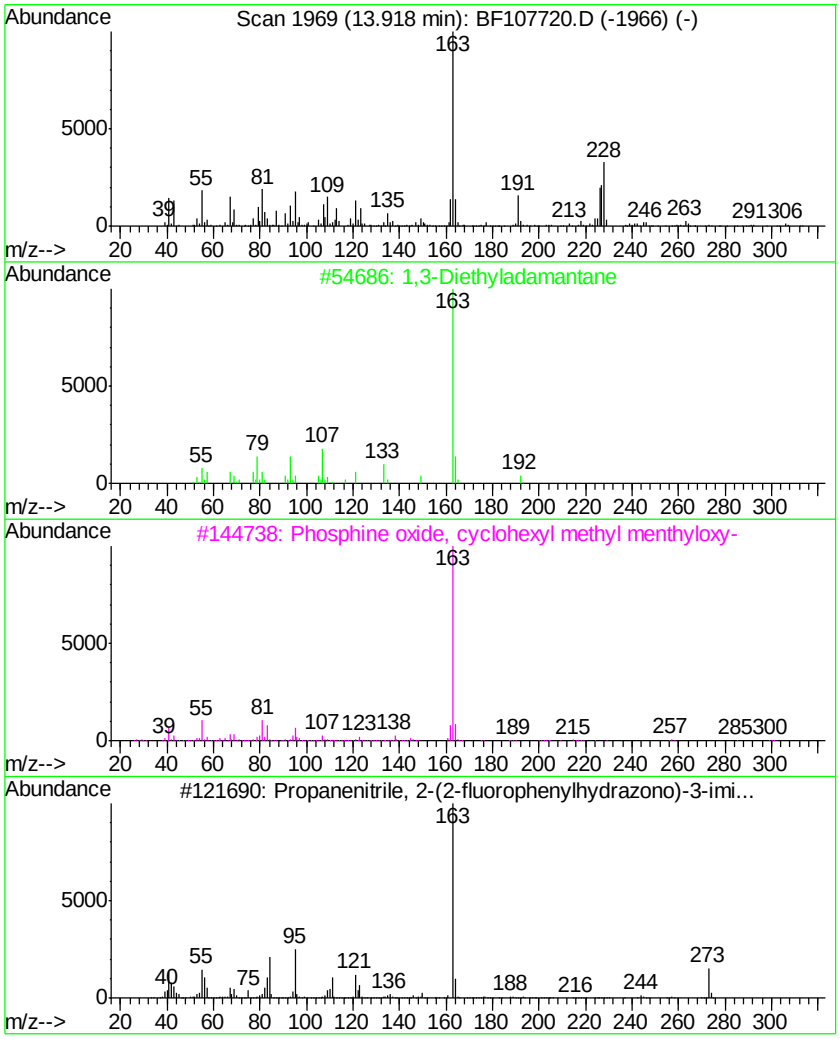
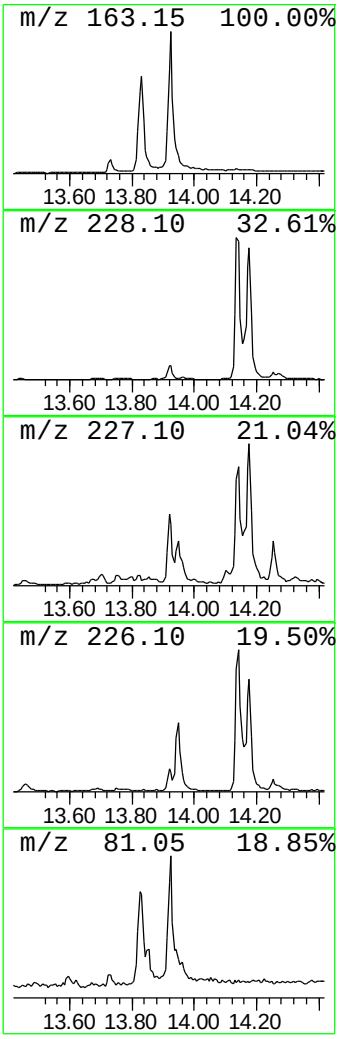
Peak Number 16 unknown13.92 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	8.31 ng	1342090	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diethyladamantane	192	C14H24	025074-51-5	49
2	Phosphine oxide, cyclohexyl meth...	300	C17H33O2P	1000195-73-8	47
3	Propanenitrile, 2-(2-fluoropheny...	273	C14H16FN5	311323-02-1	43
4	Tetrahydroabietic acid	306	C20H34O2	1000251-96-9	41
5	1,4-Benzodioxin-6-carboxamide, 2...	306	C18H14N2O3	1000316-38-4	38





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Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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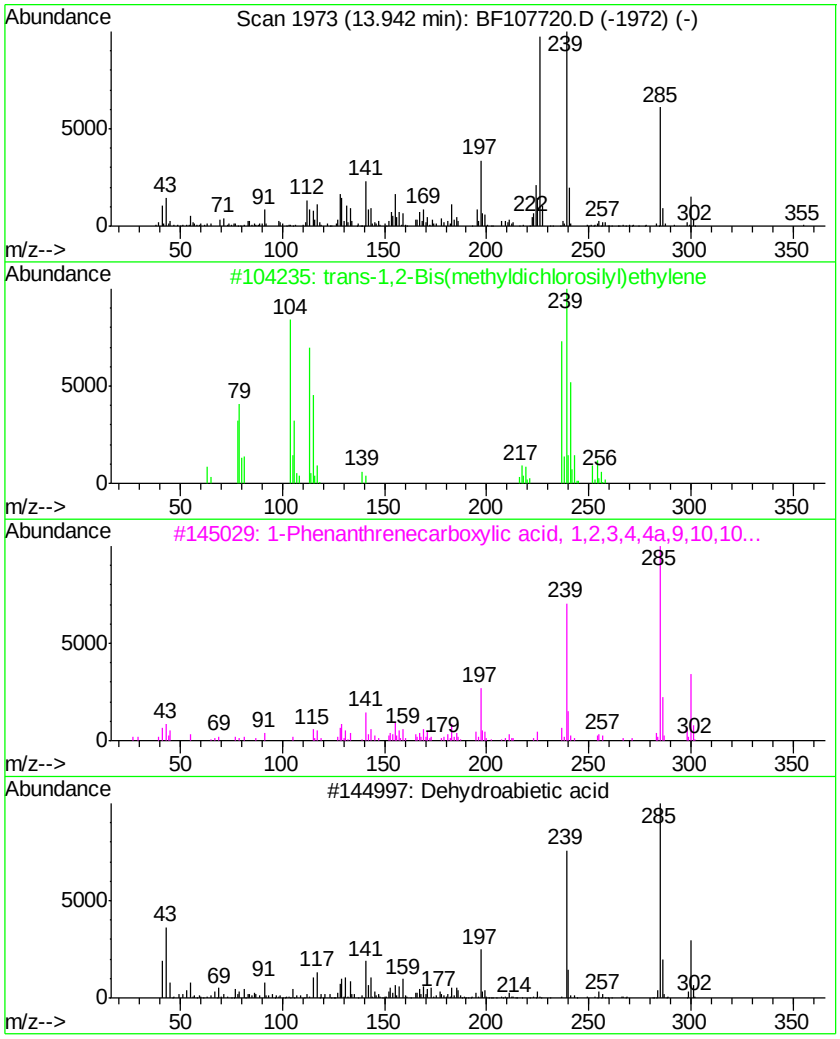
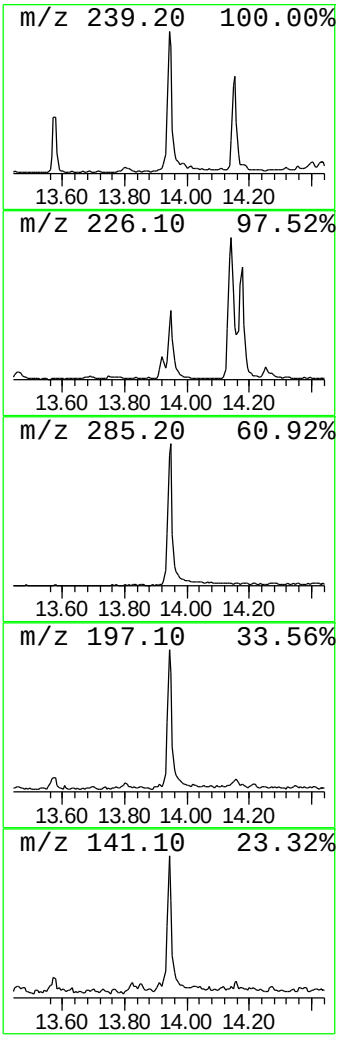
Peak Number 17 trans-1,2-Bis(methyldichlor... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	7.19 ng	1161190	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Bis(methyldichlorosily...	252	C4H8Cl4Si2	065899-10-7	91
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	50
3	Dehydroabietic acid	300	C20H28O2	001740-19-8	38
4	2-Furfurylidene-7-hydroxy-1-inda...	226	C14H10O3	1000244-80-4	25
5	2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	25





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Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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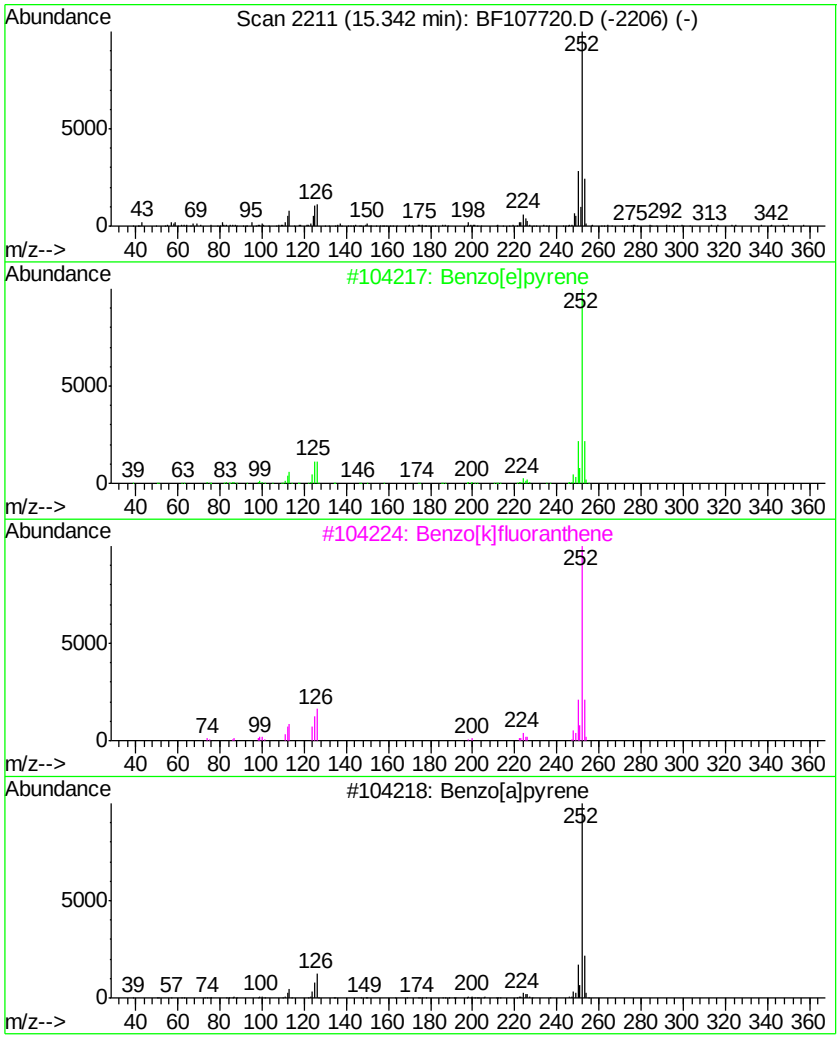
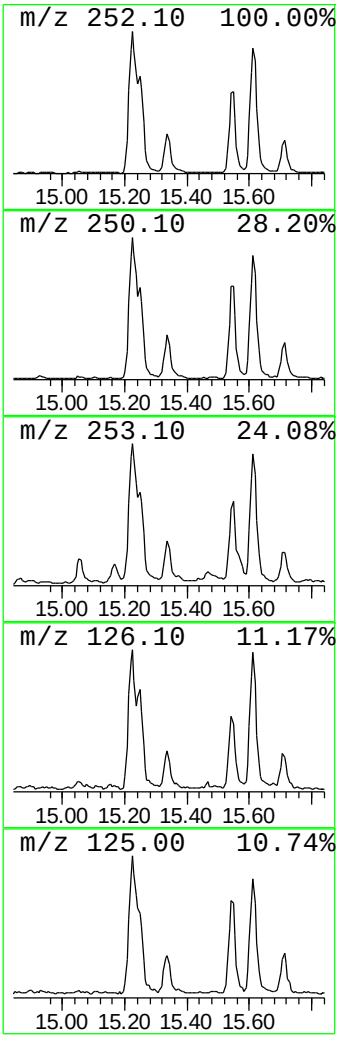
Peak Number 18 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.77 ng	334788	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	90





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Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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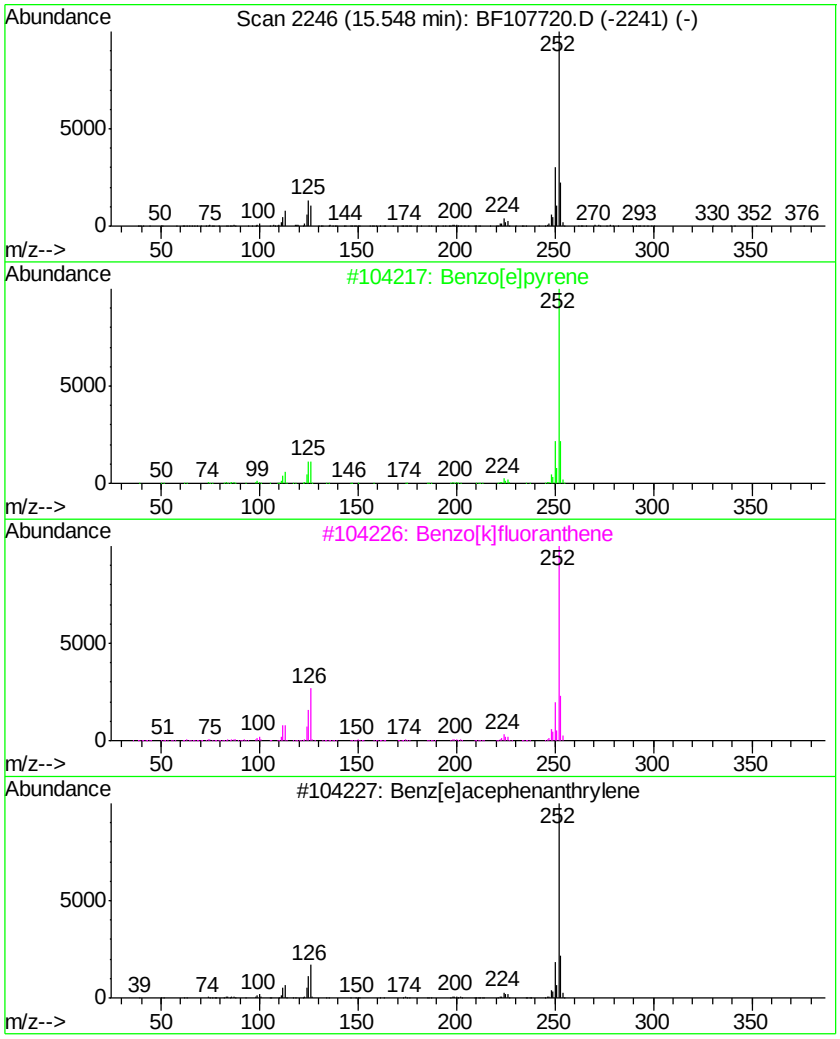
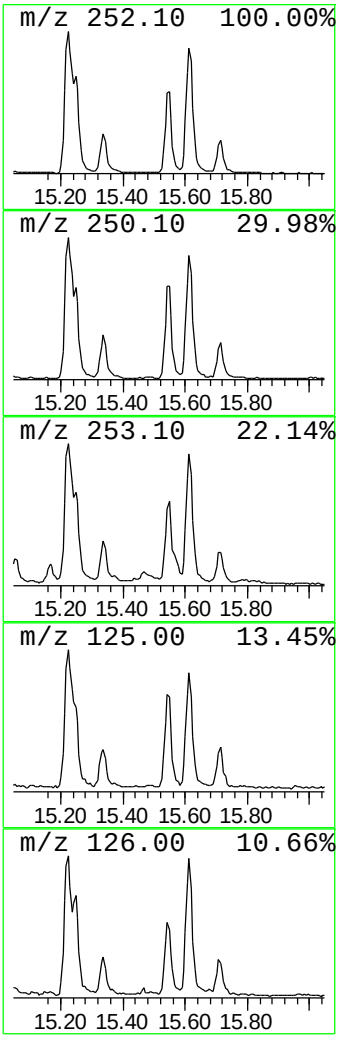
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	17.19 ng	849938	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





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Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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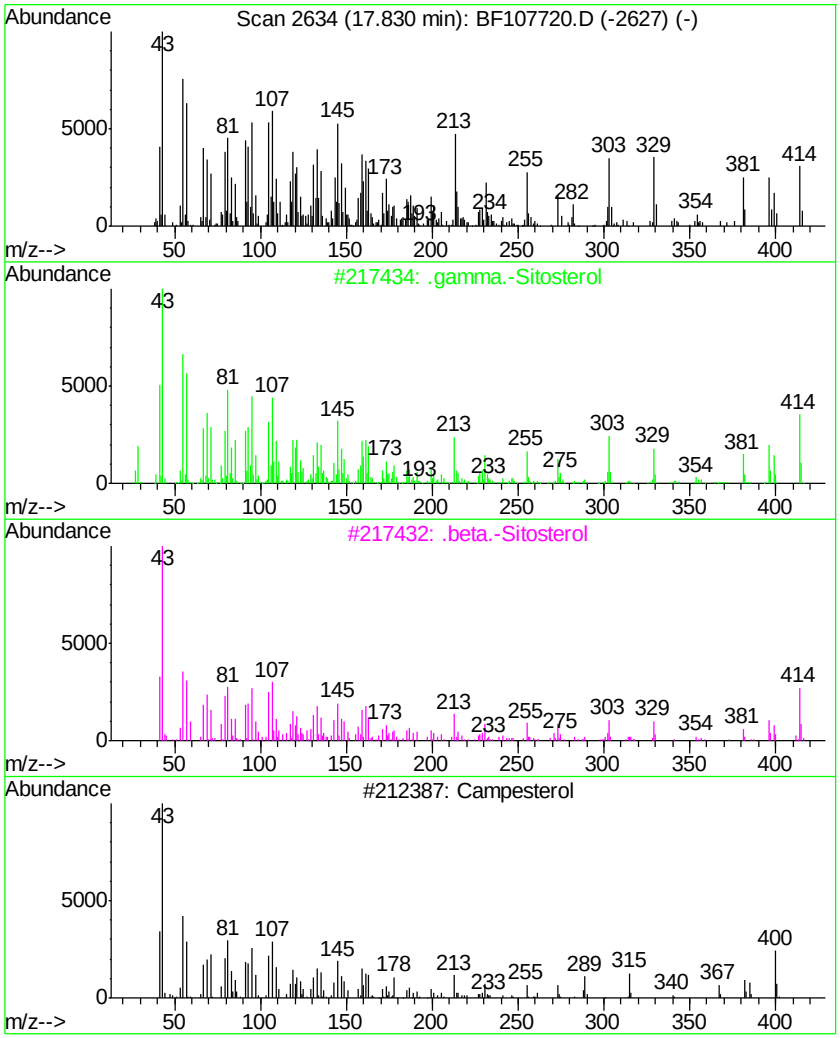
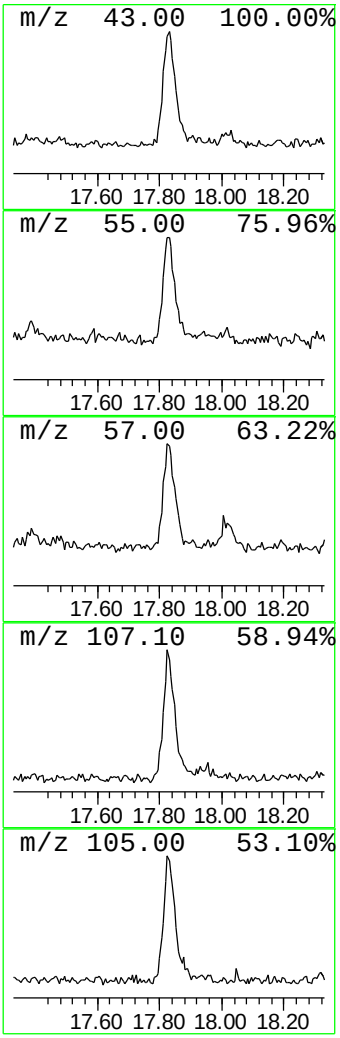
Peak Number 20 .gamma.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	19.14 ng	946630	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	95
3	Campesterol	400	C28H48O	000474-62-4	38
4	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	38
5	Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107720.D
Acq On : 27 Jul 2018 00:31
Operator : JU/SJ
Sample : J4121-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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...	5.20	12.2	ng	692994	1	6.96	1140590	20.0
unknown6.68	6.68	4.8	ng	271638	1	6.96	1140590	20.0
unknown6.74	6.74	81.9	ng	4672390	1	6.96	1140590	20.0
Naphthalene, 1-me...	9.05	5.0	ng	367552	2	8.24	1463680	20.0
Hexadecane	10.88	4.8	ng	306991	4	11.49	1293460	20.0
Naphtho[2,3-b]thi...	11.40	3.8	ng	242975	4	11.49	1293460	20.0
Anthracene, 2-met...	12.00	8.6	ng	557545	4	11.49	1293460	20.0
Phenanthrene, 2-m...	12.02	6.7	ng	432959	4	11.49	1293460	20.0
4H-Cyclopenta[def...	12.11	12.7	ng	819281	4	11.49	1293460	20.0
10,18-Bisnorabiet...	12.22	7.3	ng	474816	4	11.49	1293460	20.0
Lapachol	12.51	4.5	ng	287545	4	11.49	1293460	20.0
Benzene, 1,3-dime...	13.18	4.4	ng	713833	5	14.15	3231890	20.0
11H-Benzo[b]fluorene	13.27	3.5	ng	571410	5	14.15	3231890	20.0
2-Propen-1-one, 1...	13.82	9.0	ng	1447100	5	14.15	3231890	20.0
unknown13.92	13.92	8.3	ng	1342090	5	14.15	3231890	20.0
trans-1,2-Bis(met...	13.94	7.2	ng	1161190	5	14.15	3231890	20.0
Benzo[e]pyrene	15.34	6.8	ng	334788	6	15.68	989131	20.0
Benzo[j]fluoranthene	15.55	17.2	ng	849938	6	15.68	989131	20.0
.gamma.-Sitosterol	17.83	19.1	ng	946630	6	15.68	989131	20.0