LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

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-BF061918.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	5.172	478	482	492	rBV	79636	92006	11.28%	0.669%
2	5.584	549	552	573	rBB	605507	628113	77.04%	4.569%
3	6.589	719	723	741	rBV	642293	616582	75.63%	4.486%
4	6.719	741	745	749	rBV	708854	620621	76.12%	4.515%
5	6.936	779	782	786	rBV	198899	181306	22.24%	1.319%
6	7.095	805	809	812	rBV	564537	480346	58.92%	3.494%
7	7.507	874	879	888	rBV	376718	367202	45.04%	2.671%
8	8.225	997	1001	1003	rBV	235428	207018	25.39%	1.506%
9	8.242	1003	1004	1012	rVB	46352	35843	4.40%	0.261%
10	8.936	1119	1122	1127	rBB	35795	30480	3.74%	0.222%
11	9.036	1136	1139	1143	rBB	27239	21731	2.67%	0.158%
12	9.295	1179	1183	1186	rBV	657829	543752	66.69%	3.956%
13	9.395	1197	1200	1204	rVB	70932	66038	8.10%	0.480%
14	9.566	1225	1229	1233	rBB	12695	15030	1.84%	0.109%
15	9.636	1237	1241	1244	rBV	22501	23014	2.82%	0.167%
16	9.666	1244	1246	1247	rBV	14081	9398	1.15%	0.068%
17	9.689	1247	1250	1253	rVB	112130	84833	10.41%	0.617%
18	9.754	1259	1261	1267	rBB2	9470	11227	1.38%	0.082%
19	9.848	1274	1277	1281	rBB	25568	22496	2.76%	0.164%
20	9.983	1297	1300	1303	rBV	253372	210127	25.77%	1.529%
21	10.019	1303	1306	1309	rVB	71649	62823	7.71%	0.457%
22	10.189	1331	1335	1339	rBV	72452	61481	7.54%	0.447%
23	10.389	1366	1369	1376	rVB	10381	11319	1.39%	0.082%
24	10.536	1390	1394	1400	rVB	135344	124992	15.33%	0.909%
25	10.619	1406	1408	1411	rVB	11966	9474	1.16%	0.069%
26	10.689	1418	1420	1424	rVB	26838	19849	2.43%	0.144%
27	10.783	1431	1436	1441	rBV	471046	416952	51.14%	3.033%
28	11.083	1481	1487	1490	rBV	31304	33315	4.09%	0.242%
29	11.113	1490	1492	1495	rVV2	14930	13013	1.60%	0.095%
30	11.166	1499	1501	1504	rVB2	11690	8610	1.06%	0.063%
31	11.207	1504	1508	1510	rBV3	10541	11790	1.45%	0.086%
32	11.230	1510	1512	1519	rVB	11400	11953	1.47%	0.087%
33	11.319	1524	1527	1534	rVB4	13347	22624	2.77%	0.165%
34	11.377	1534	1537	1541	rBV	48870	38647	4.74%	0.281%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.413	1541	1543	1547	rVB	9510	8447	1.04%	0.061%
36	11.483	1551	1555	1557	rBV	276987	278489	34.16%	2.026%
37	11.507	1557	1559	1563	rVV	752241	619351	75.97%	4.506%
38	11.560	1564	1568	1571	rVV	231535	197534	24.23%	1.437%
39	11.595	1571	1574	1578	rVB	13309	12869	1.58%	0.094%
40	11.719	1591	1595	1597	rBV	49510	45254	5.55%	0.329%
41	11.766	1601	1603	1605	rBV	11561	8219	1.01%	0.060%
42	11.819	1608	1612	1616	rVB3	51318	47182	5.79%	0.343%
43	11.895	1622	1625	1629	rVB2	8027	10703	1.31%	0.078%
44	11.983	1635	1640	1642	rBV	88718	78815	9.67%	0.573%
45	12.013	1642	1645	1648	rVV	134033	104333	12.80%	0.759%
46	12.060	1650	1653	1656	rVV	57105	47948	5.88%	0.349%
47	12.101	1656	1660	1666	rVV2	151634	215227	26.40%	1.566%
48	12.148	1666	1668	1674	rVB2	10439	11768	1.44%	0.086%
49	12.213	1677	1679	1683	rVV4	29345	25845	3.17%	0.188%
50	12.277	1687	1690	1694	rVB	65604	56460	6.92%	0.411%
51	12.318	1694	1697	1700	rBV2	22975	24546	3.01%	0.179%
52	12.413	1710	1713	1719	rBV2	186541	168495	20.67%	1.226%
53	12.460	1719	1721	1723	rVV	21647	16157	1.98%	0.118%
54	12.483	1723	1725	1727	rVV	16451	15581	1.91%	0.113%
55	12.536	1730	1734	1736	rVV2	68076	67798	8.32%	0.493%
56	12.577	1738	1741	1742	rVV3	29977	30727	3.77%	0.224%
57	12.630	1746	1750	1753	rVV3	21522	32526	3.99%	0.237%
58	12.707	1758	1763	1765	rBV	820625	815307	100.00%	5.931%
59	12.730	1765	1767	1770	rVB	391490	320162	39.27%	2.329%
60	12.766	1770	1773	1776	rBV2	19261	19752	2.42%	0.144%
61	12.801	1776	1779	1781	rVB	18189	14401	1.77%	0.105%
62	12.854	1784	1788	1790	rBV2	33737	33838	4.15%	0.246%
63	12.913	1794	1798	1800	rBV2	156549	180952	22.19%	1.316%
64	12.936	1800	1802	1807	rVB	626209	616656	75.63%	4.486%
65	12.983	1807	1810	1814	rVB3	46112	51921	6.37%	0.378%
66	13.030	1815	1818	1819	rBV3	16054	15016	1.84%	0.109%
67	13.066	1819	1824	1827	rVB	738058	666868	81.79%	4.851%
68	13.101	1827	1830	1833	rVB	25812	28163	3.45%	0.205%
69	13.154	1833	1839	1842	rBV2	59249	95370	11.70%	0.694%
70	13.201	1843	1847	1850	rBV2	103635	96503	11.84%	0.702%
71	13.265	1850	1858	1861	rBV	176662	240566	29.51%	1.750%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.330	1865	1869	1871	rBV	131804	128362	15.74%	0.934%
73	13.371	1873	1876	1878	rVV	51751	57971	7.11%	0.422%
74	13.418	1882	1884	1887	rBV2	17057	12060	1.48%	0.088%
75	13.460	1887	1891	1894	rBV2	48120	59605	7.31%	0.434%
76	13.495	1894	1897	1899	rVB	37230	35723	4.38%	0.260%
77	13.607	1913	1916	1919	rBV2	68264	62844	7.71%	0.457%
78	13.636	1919	1921	1923	rVV3	13515	11570	1.42%	0.084%
79	13.660	1923	1925	1927	rVV2	17731	15152	1.86%	0.110%
80	13.683	1927	1929	1932	rVV	23240	22114	2.71%	0.161%
81	13.736	1935	1938	1943	rVV4	34265	53010	6.50%	0.386%
82	13.777	1943	1945	1948	rVB	29277	25761	3.16%	0.187%
83	13.889	1961	1964	1966	rBV	42347	42660	5.23%	0.310%
84	13.913	1966	1968	1970	rVV	55233	45059	5.53%	0.328%
85	13.942	1970	1973	1979	rVV3	163552	200408	24.58%	1.458%
86	13.989	1979	1981	1984	rVB2	31212	30895	3.79%	0.225%
87	14.077	1994	1996	1999	rVB	43216	34370	4.22%	0.250%
88	14.136	2001	2006	2009	rVV2	400213	624367	76.58%	4.542%
89	14.165	2009	2011	2015	rVB	298481	250175	30.68%	1.820%
90	14.254	2022	2026	2030	rBV2	88153	112466	13.79%	0.818%
91	14.507	2064	2069	2070	rBV3	35489	62361	7.65%	0.454%
92	14.530	2071	2073	2076	rVB	51480	40182	4.93%	0.292%
93	14.565	2076	2079	2081	rBV	85781	90763	11.13%	0.660%
94	14.959	2144	2146	2156	rVB2	57999	84998	10.43%	0.618%
95	15.224	2187	2191	2198	rVB2	185577	365977	44.89%	2.662%
96	15.548	2243	2246	2252	rVB	96767	115055	14.11%	0.837%
97	15.618	2254	2258	2264	rBV	150057	223850	27.46%	1.628%
98	15.683	2265	2269	2272	rBV	137186	170111	20.86%	1.238%
99	17.271	2536	2539	2546	rVB	62071	103948	12.75%	0.756%
100	17.530	2578	2583	2591	rVB5	105281	230484	28.27%	1.677%

Sum of corrected areas: 13746055

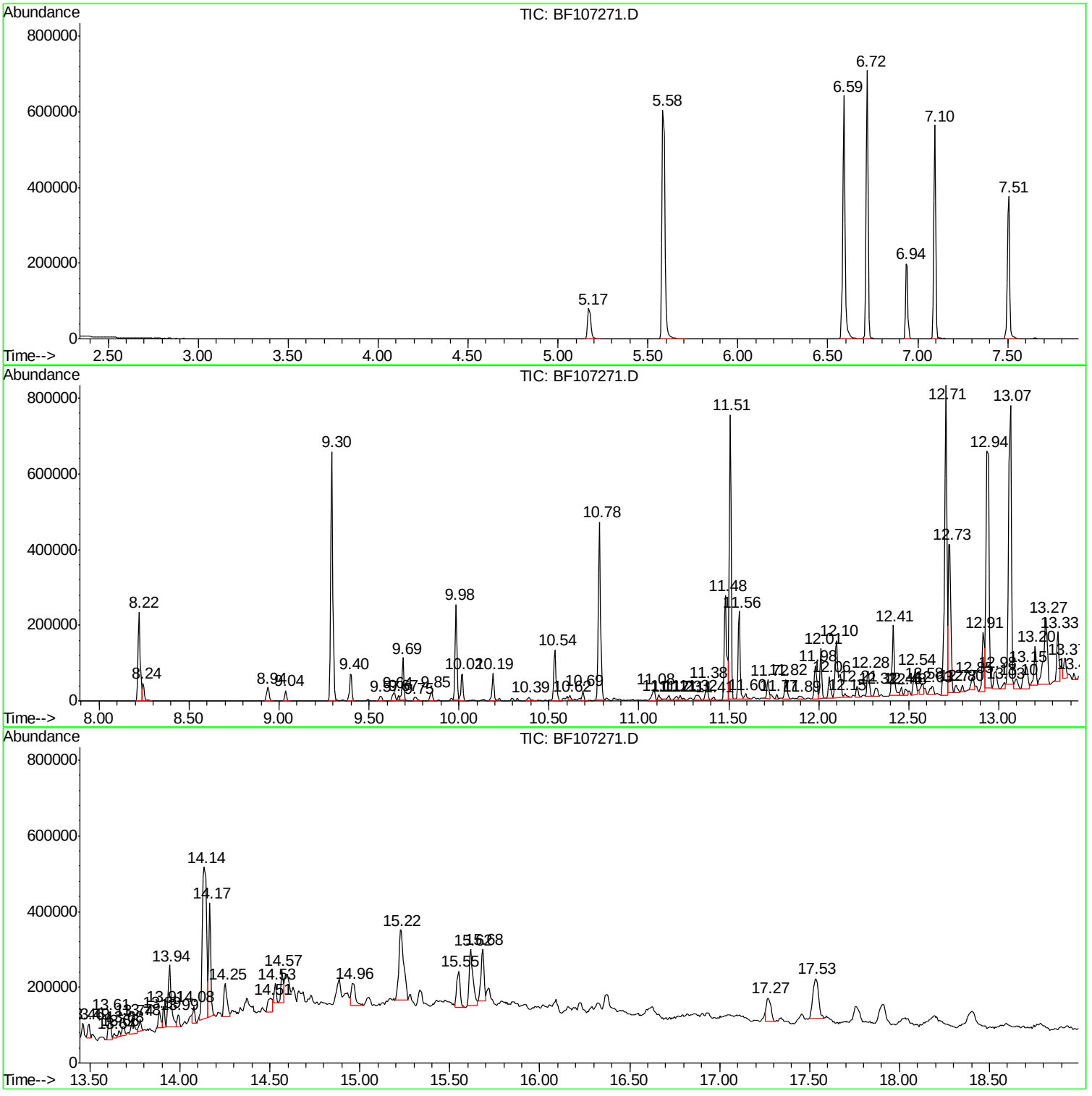
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

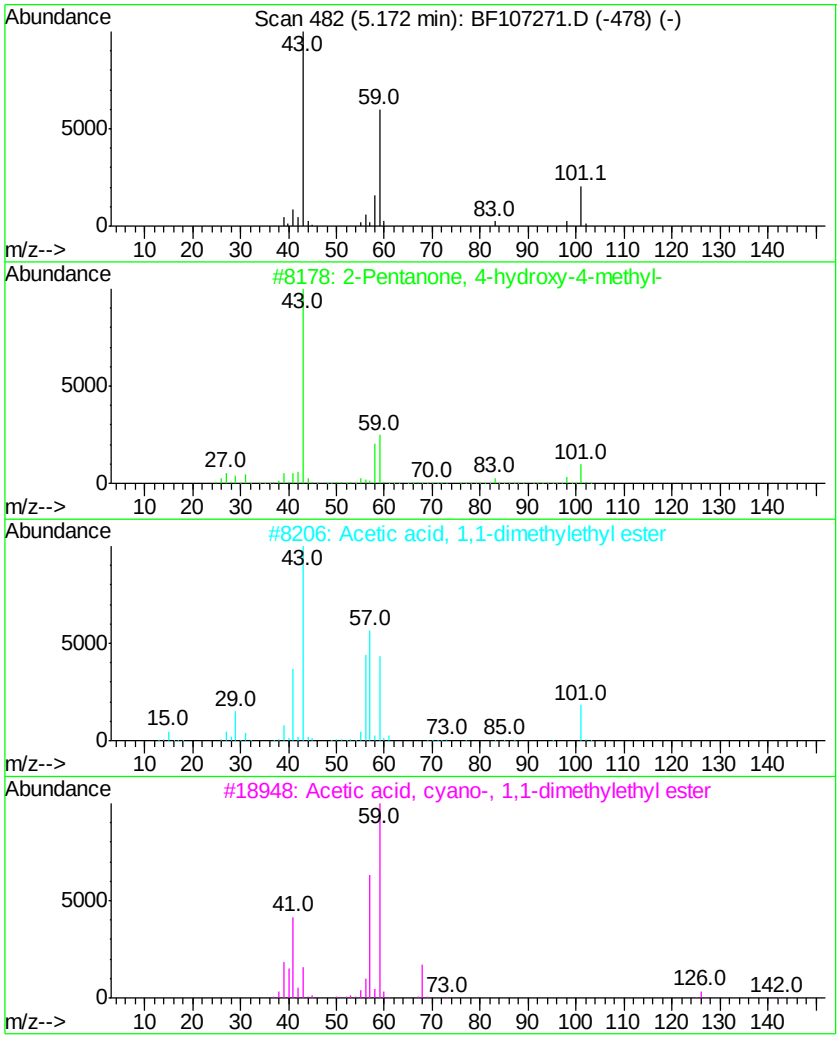
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

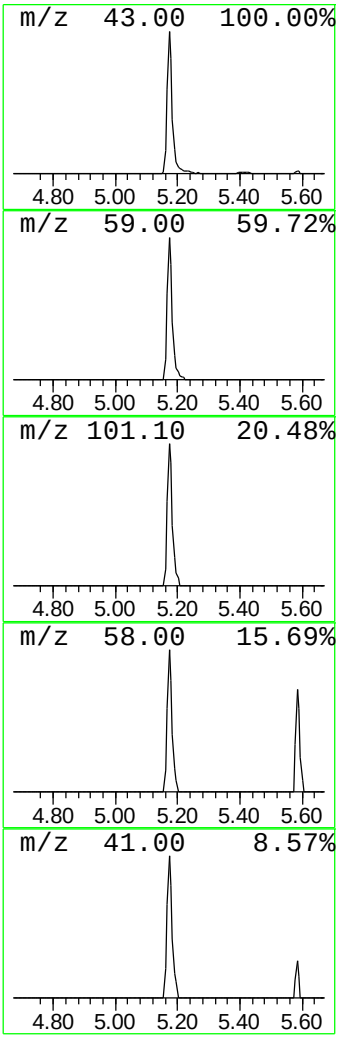
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	10.15 ng	92006	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

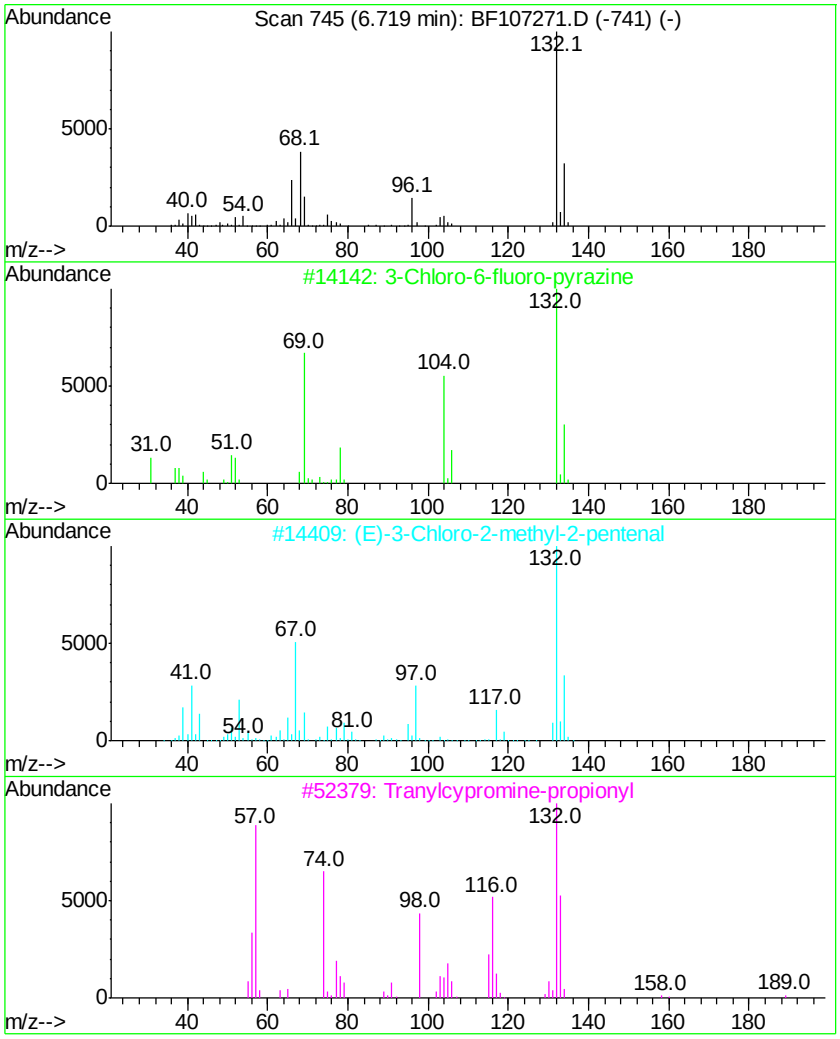
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

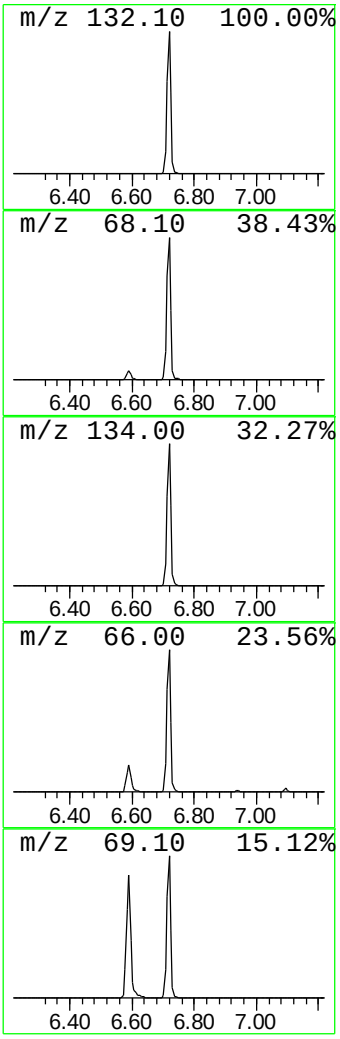
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	68.46 ng	620621	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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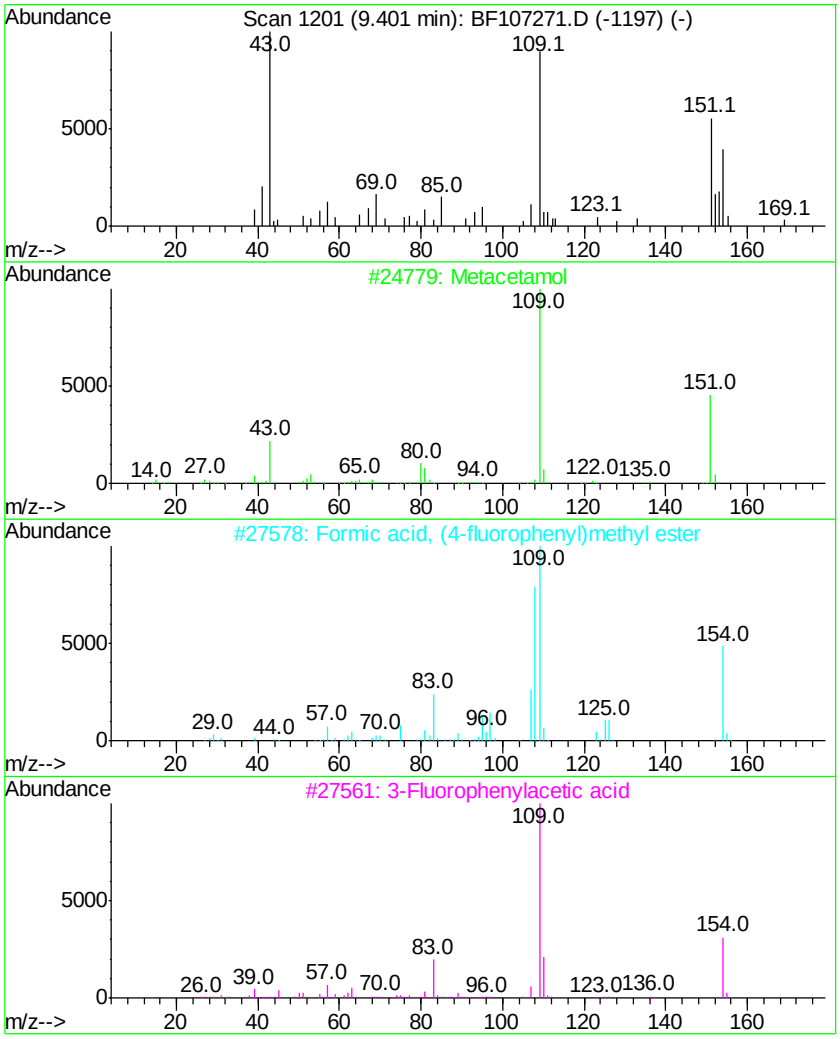
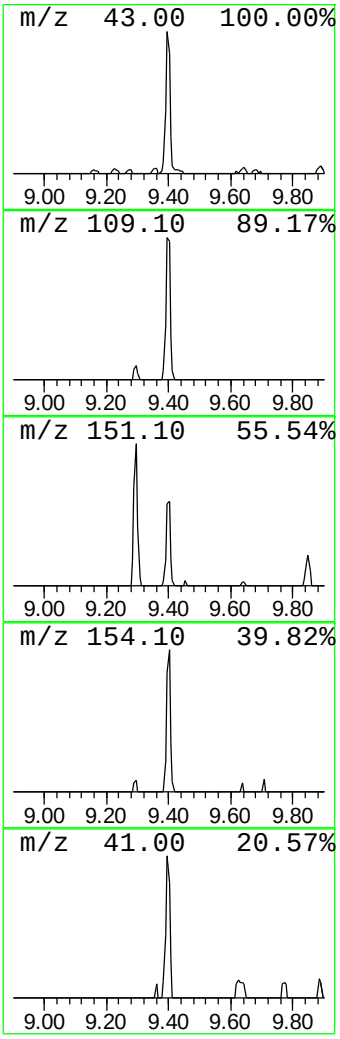
Peak Number 4 unknown9.40 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	6.29 ng	66038	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Metacetamol	151	C8H9NO2	000621-42-1	47
2	Formic acid, (4-fluorophenyl)met...	154	C8H7FO2	1000368-72-9	43
3	3-Fluorophenylacetic acid	154	C8H7FO2	000331-25-9	43
4	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	40
5	3-Methyl-2-oxo-2H-pyrane-6-carbo...	154	C7H6O4	003060-68-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

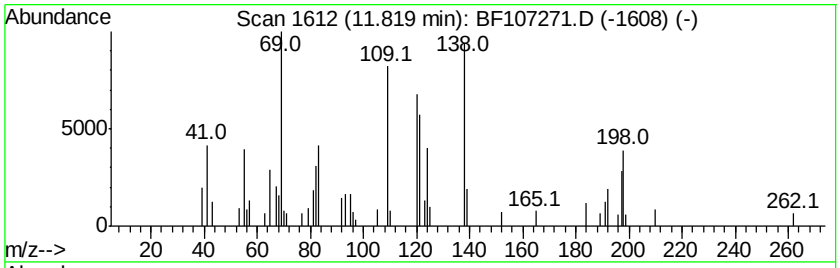
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

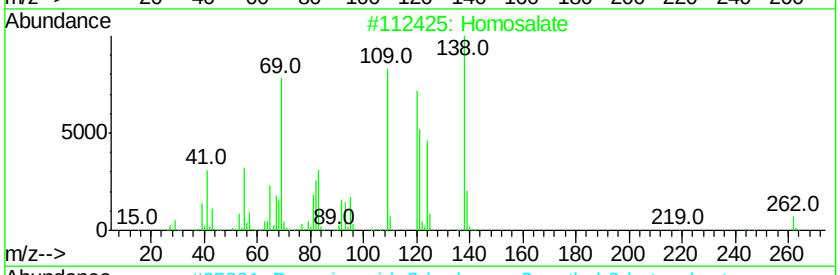
****

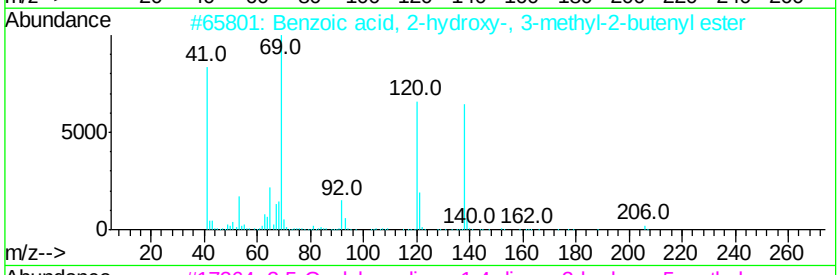
Peak Number 5 Homosalate Concentration Rank 19

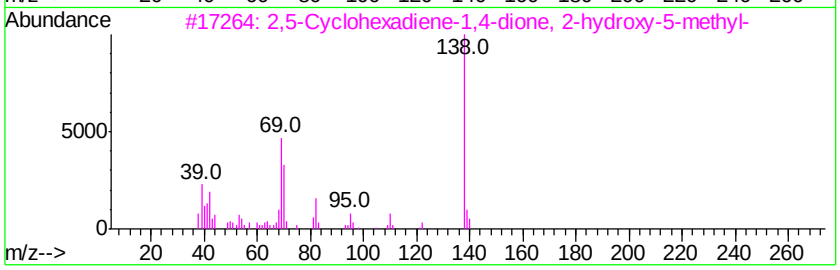
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.39 ng	47182	Phenanthrene-d10	11.48

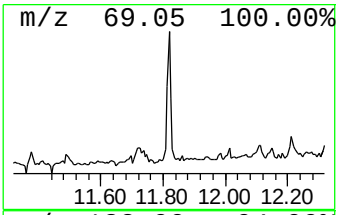
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Homosalate	262	C16H22O3	000118-56-9	99
2	Benzoic acid, 2-hydroxy-, 3-meth...	206	C12H14O3	068555-58-8	35
3	2,5-Cyclohexadiene-1,4-dione, 2-...	138	C7H6O3	000615-91-8	27
4	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	14
5	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	033422-32-1	14

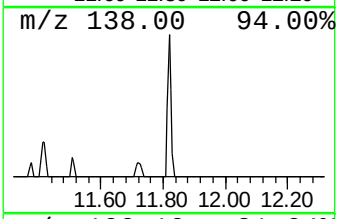


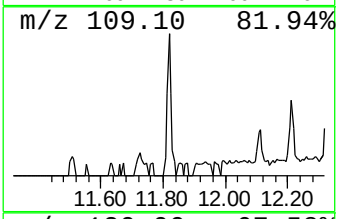


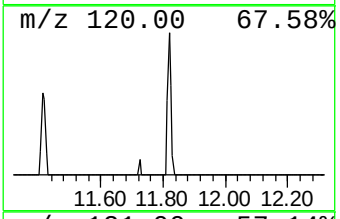


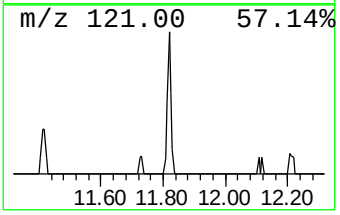












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Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

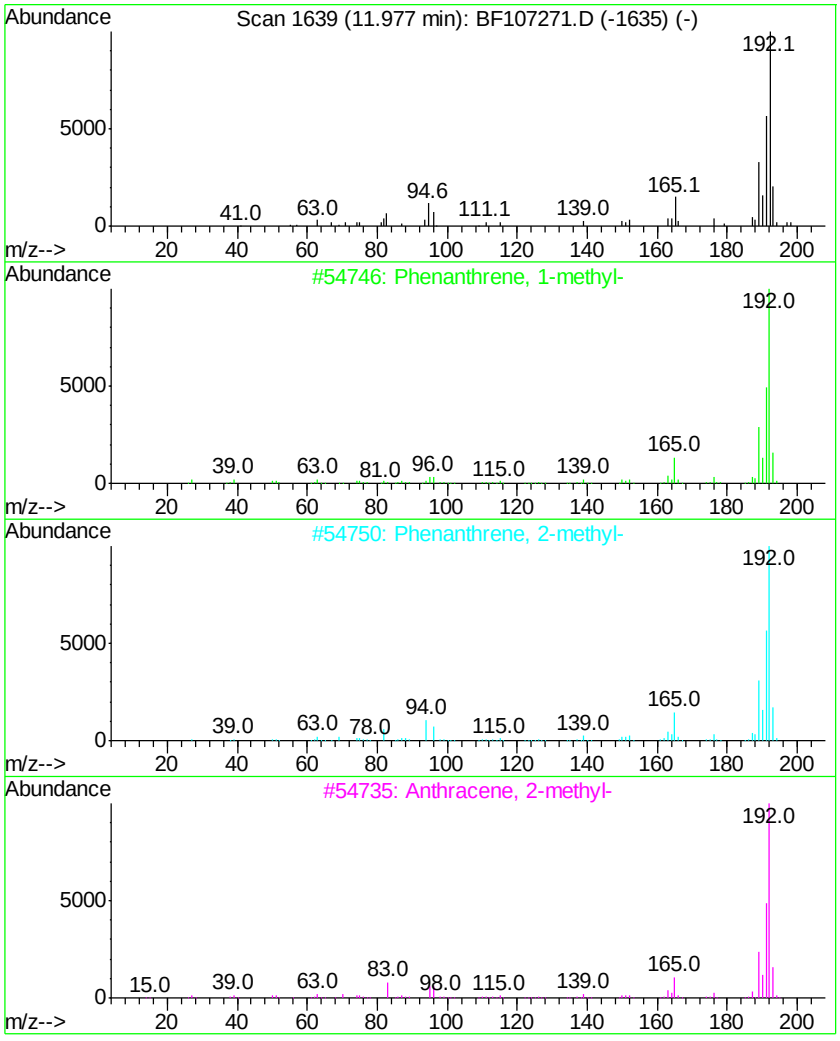
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

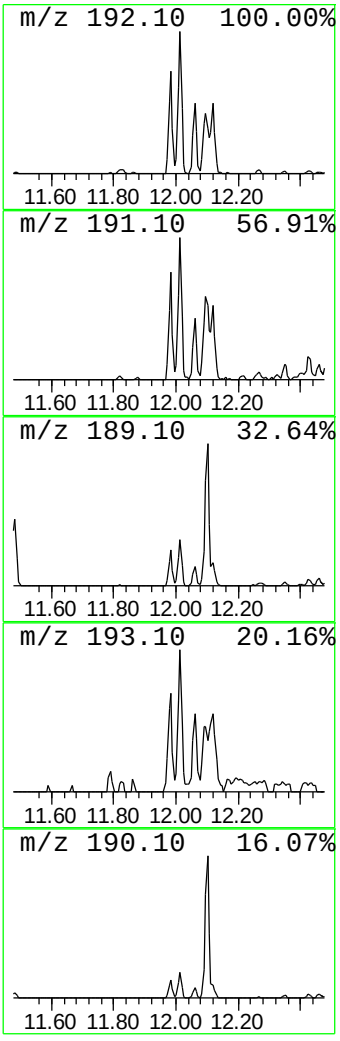
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.66 ng	78815	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

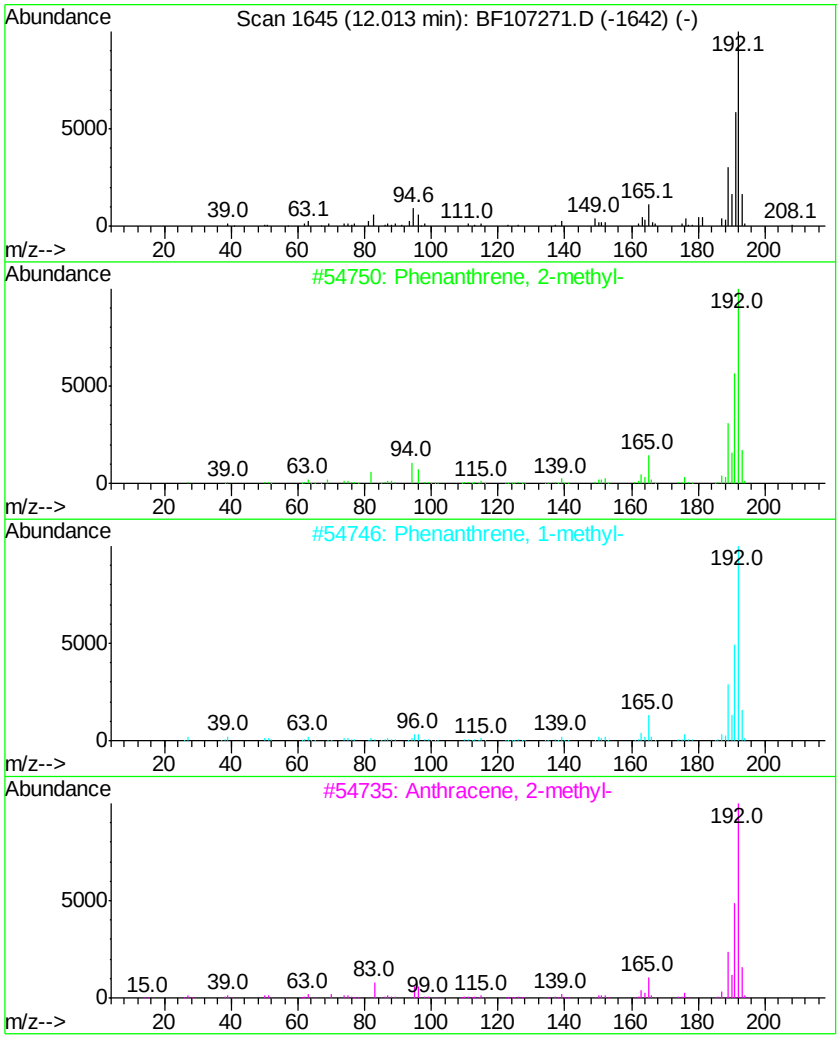
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

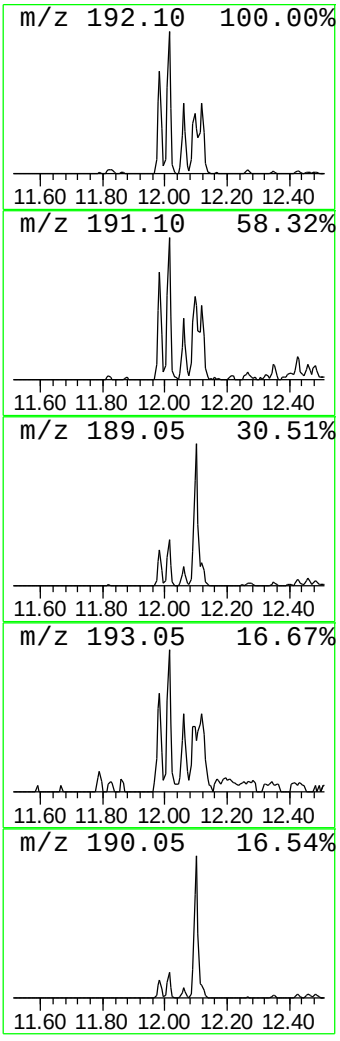
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	7.49 ng	104333	Phenanthrene-d10	11.48

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

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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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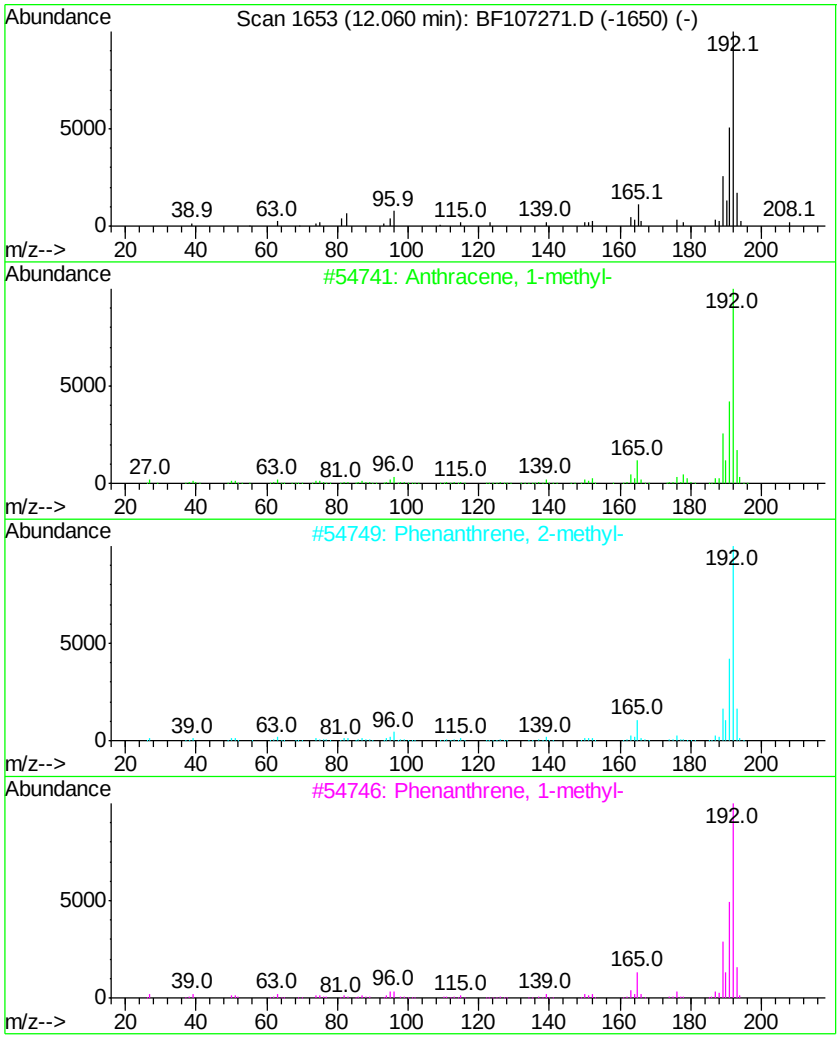
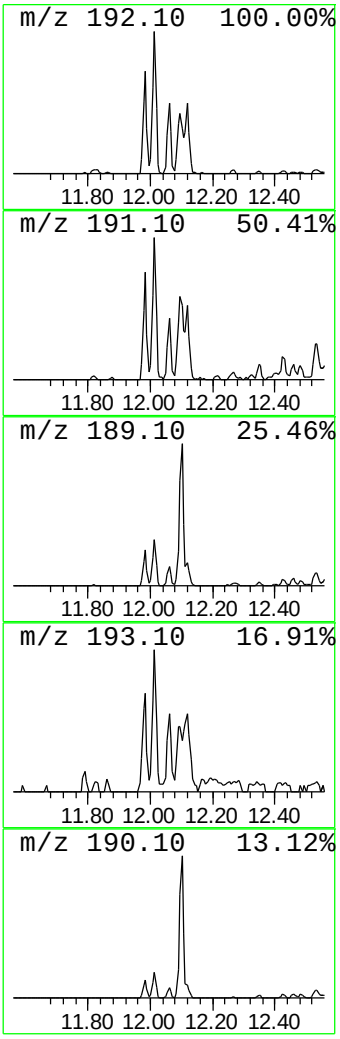
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.44 ng	47948	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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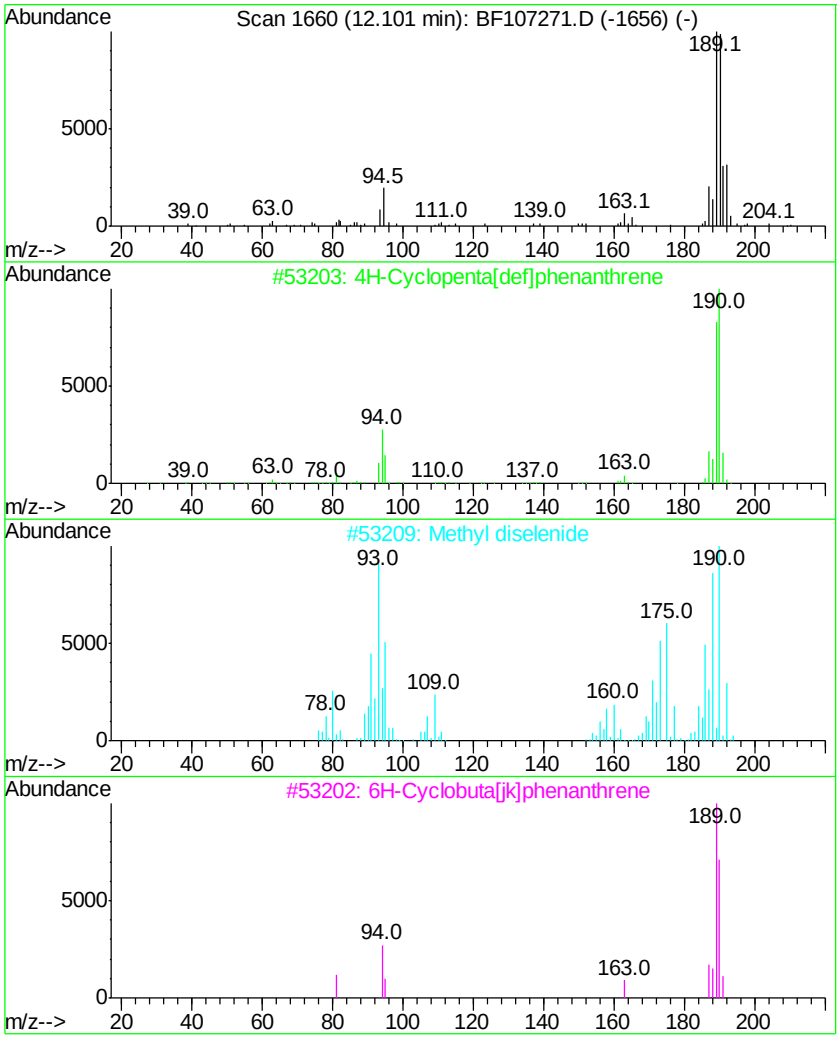
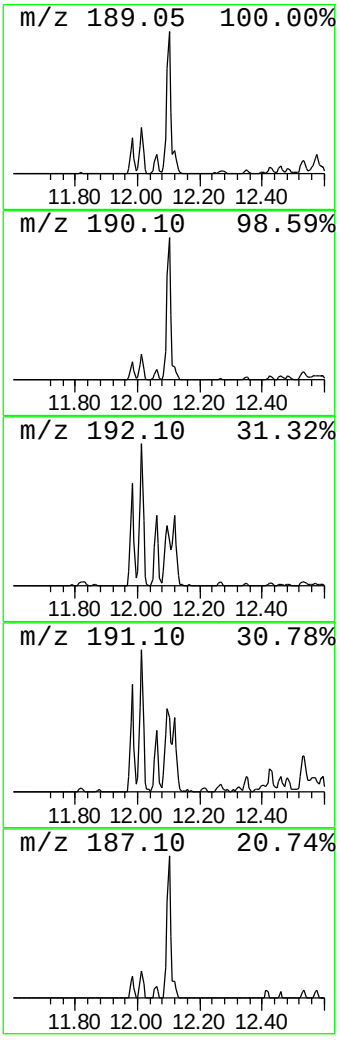
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	15.46 ng	215227	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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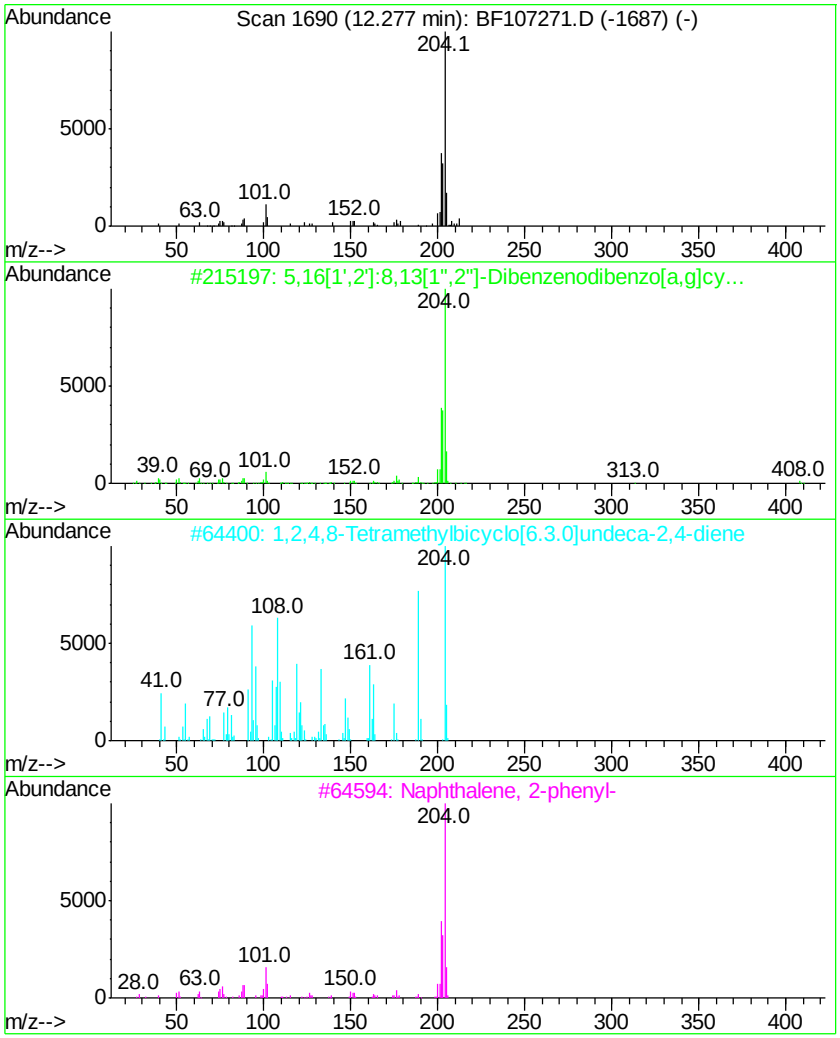
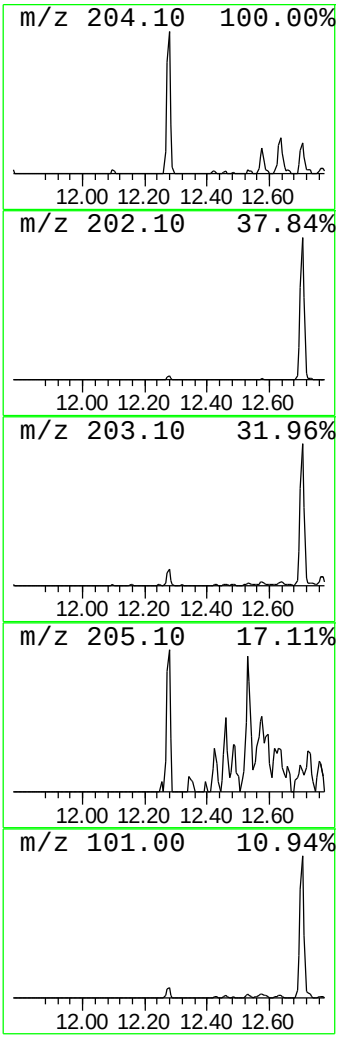
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	4.05 ng	56460	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
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Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

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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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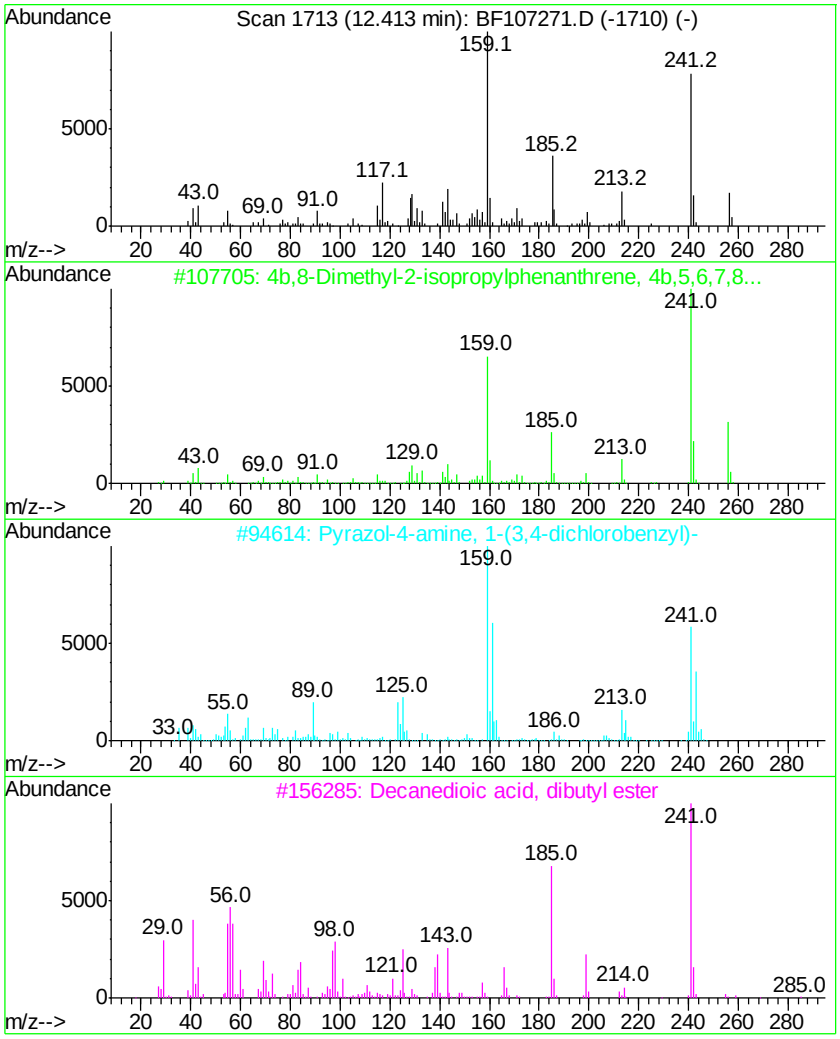
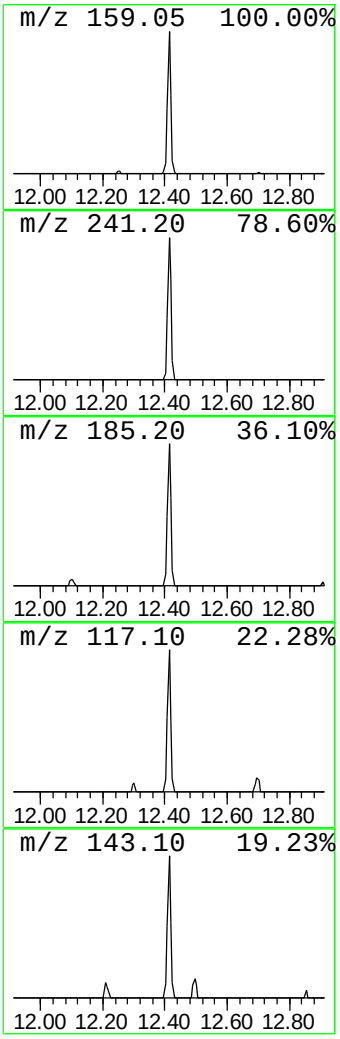
Peak Number 11 4b,8-Dimethyl-2-isopropylph... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	12.10 ng	168495	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	97
2	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	43
3	Decanedioic acid, dibutyl ester	314	C18H34O4	000109-43-3	38
4	Ethanone, 1-(1,2,3,5,6,7-hexahyd...	256	C18H24O	056298-80-7	38
5	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	35





Library Search Compound Report

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Sample : J3891-01
Misc :
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Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

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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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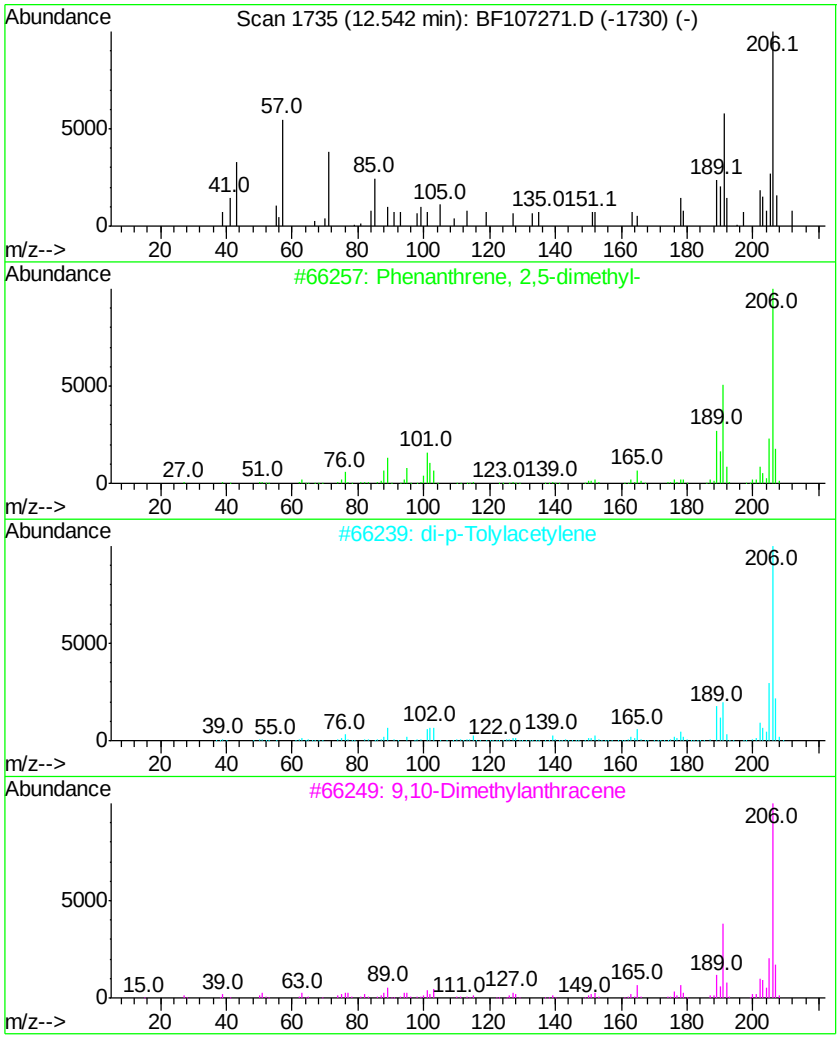
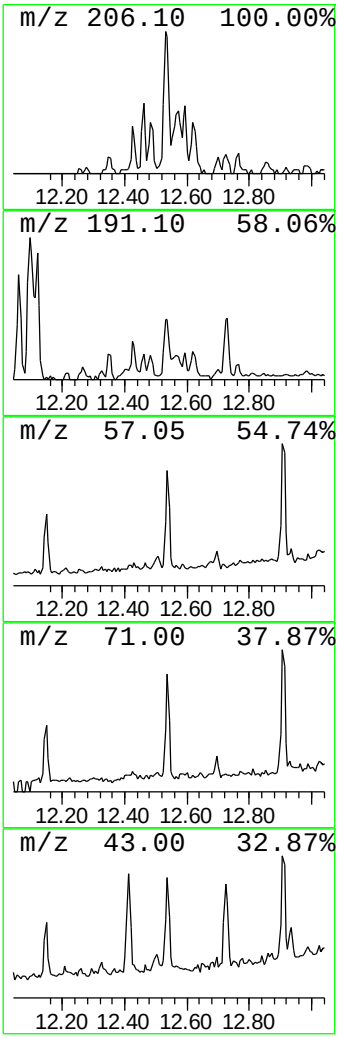
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	4.87 ng	67798	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





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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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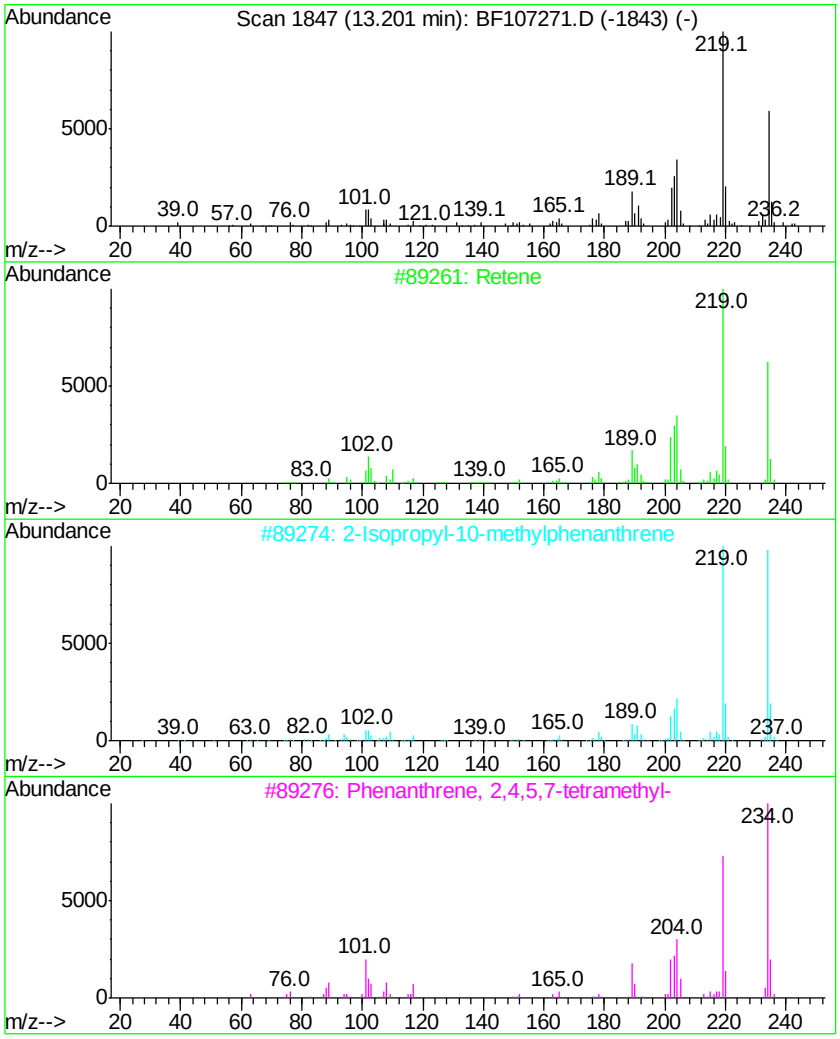
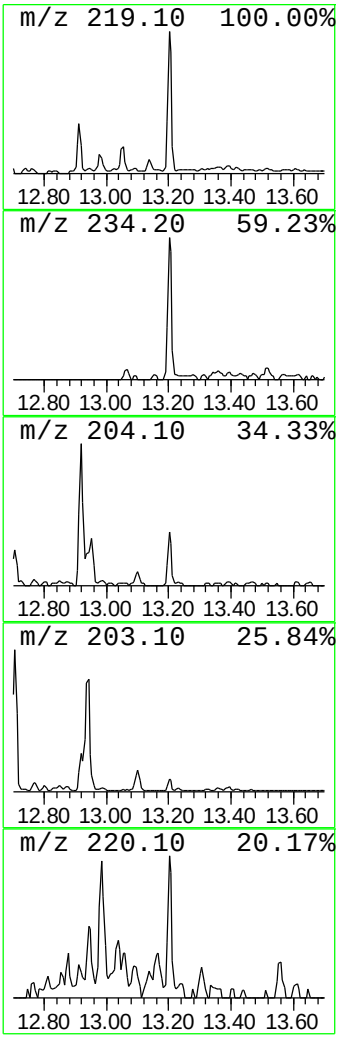
Peak Number 13 Retene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	3.09 ng	96503	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	70
4	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	64
5	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	55





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Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

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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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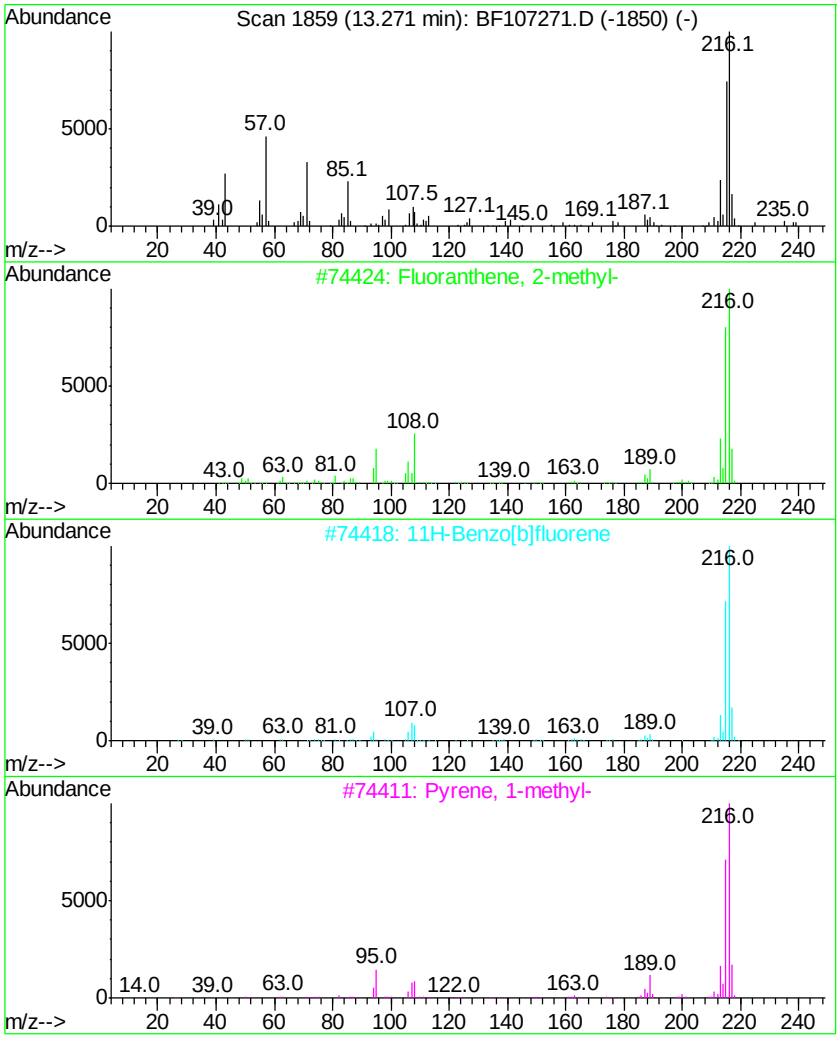
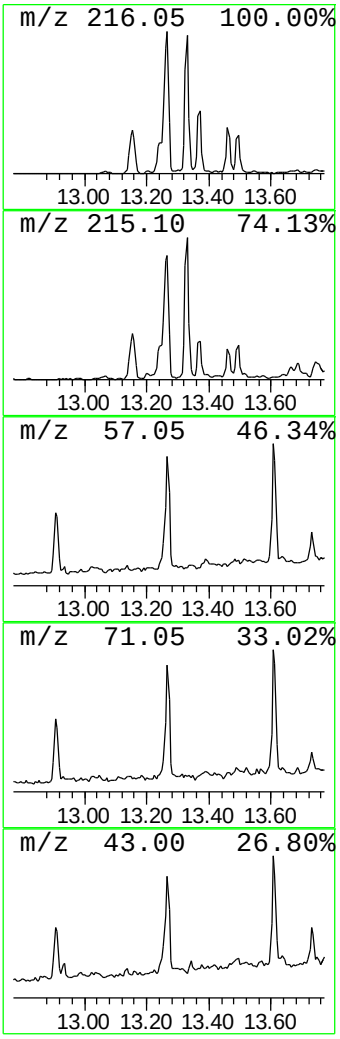
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	7.71 ng	240566	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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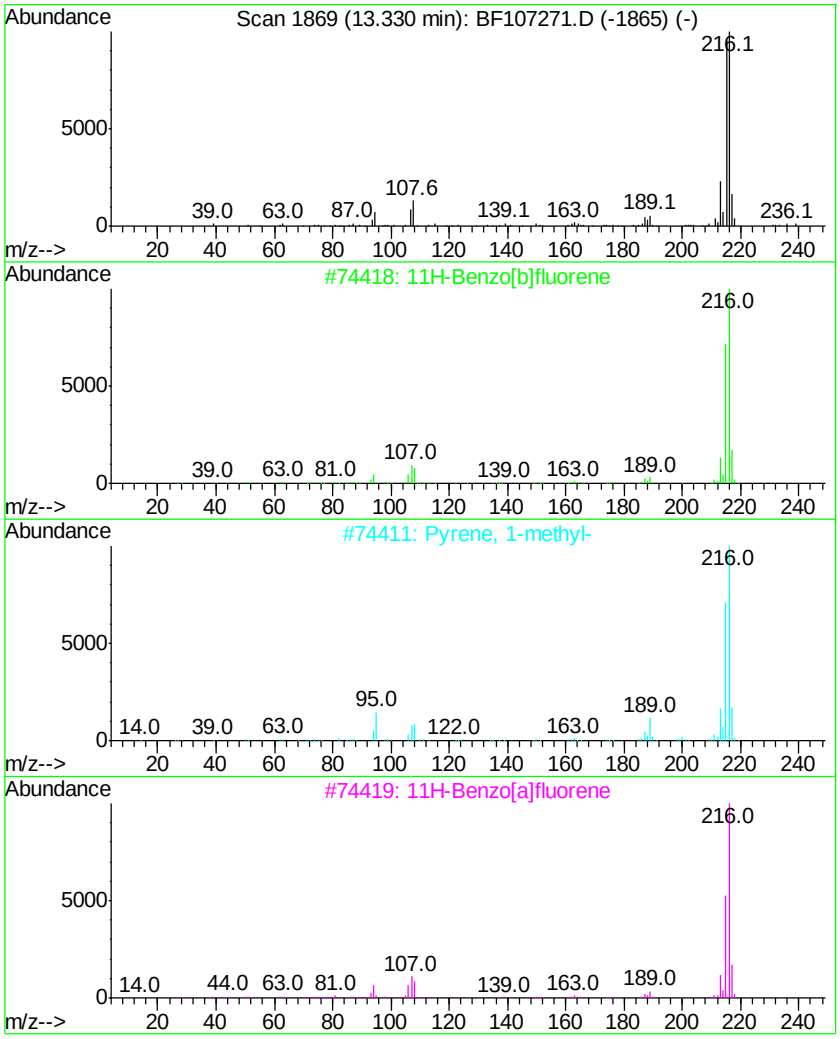
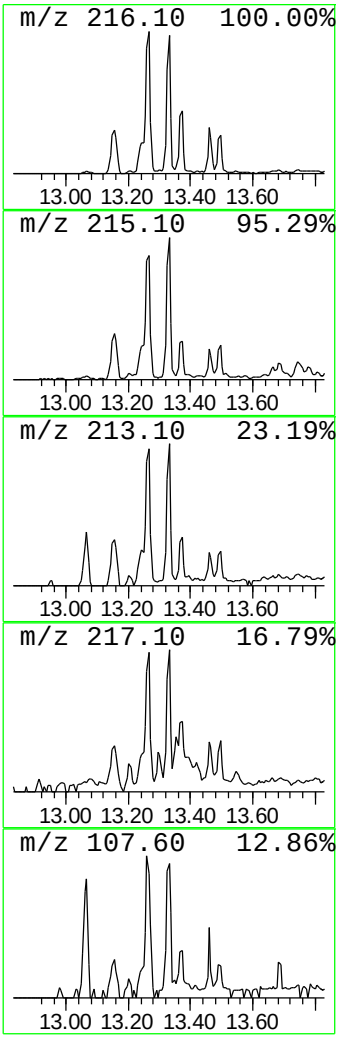
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	4.11 ng	128362	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

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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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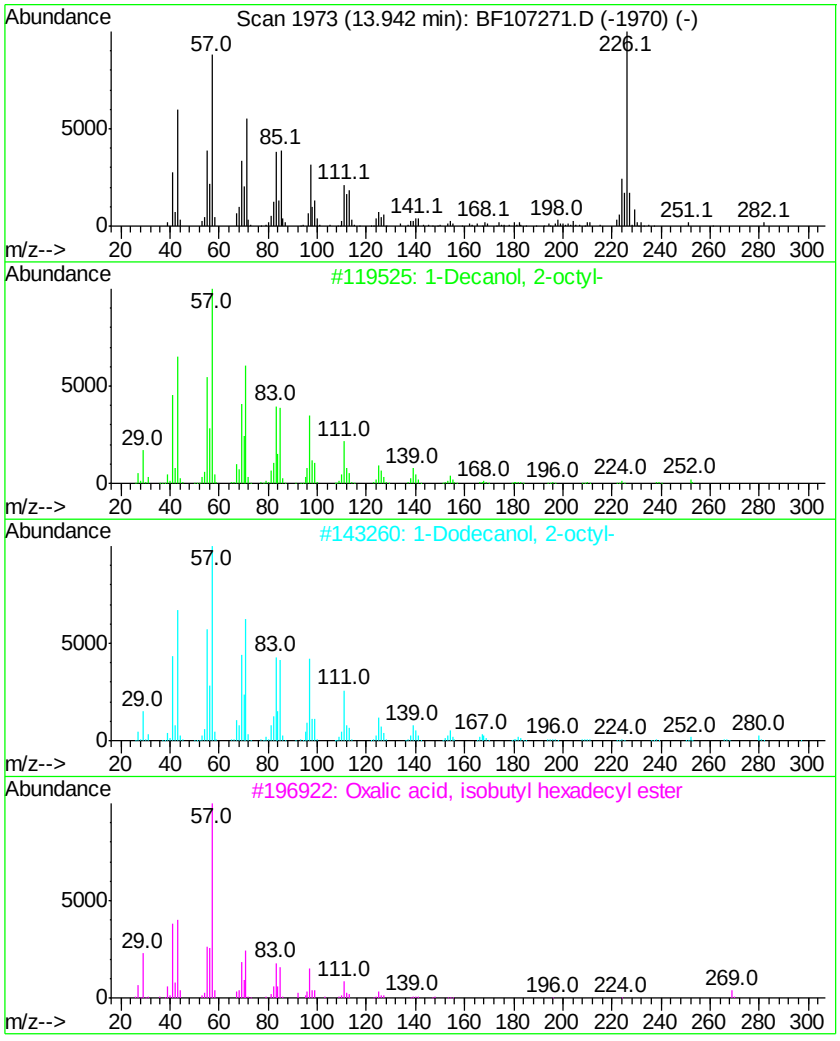
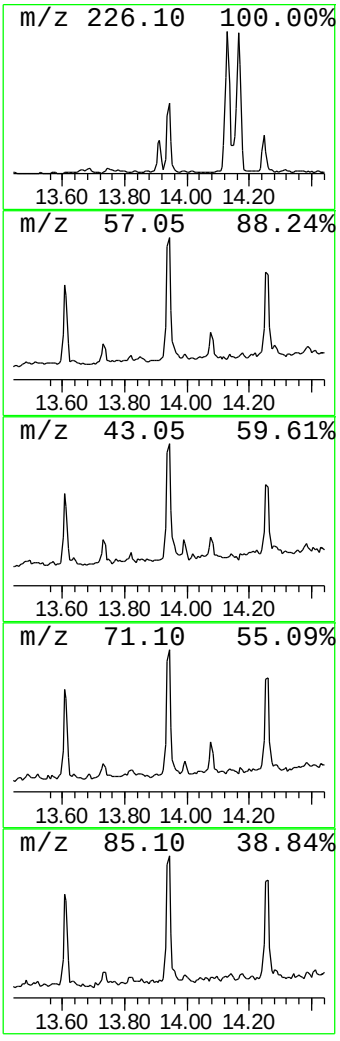
Peak Number 16 1-Decanol, 2-octyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	6.42 ng	200408	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	55
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	46
3	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	46
4	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	43
5	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	43





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Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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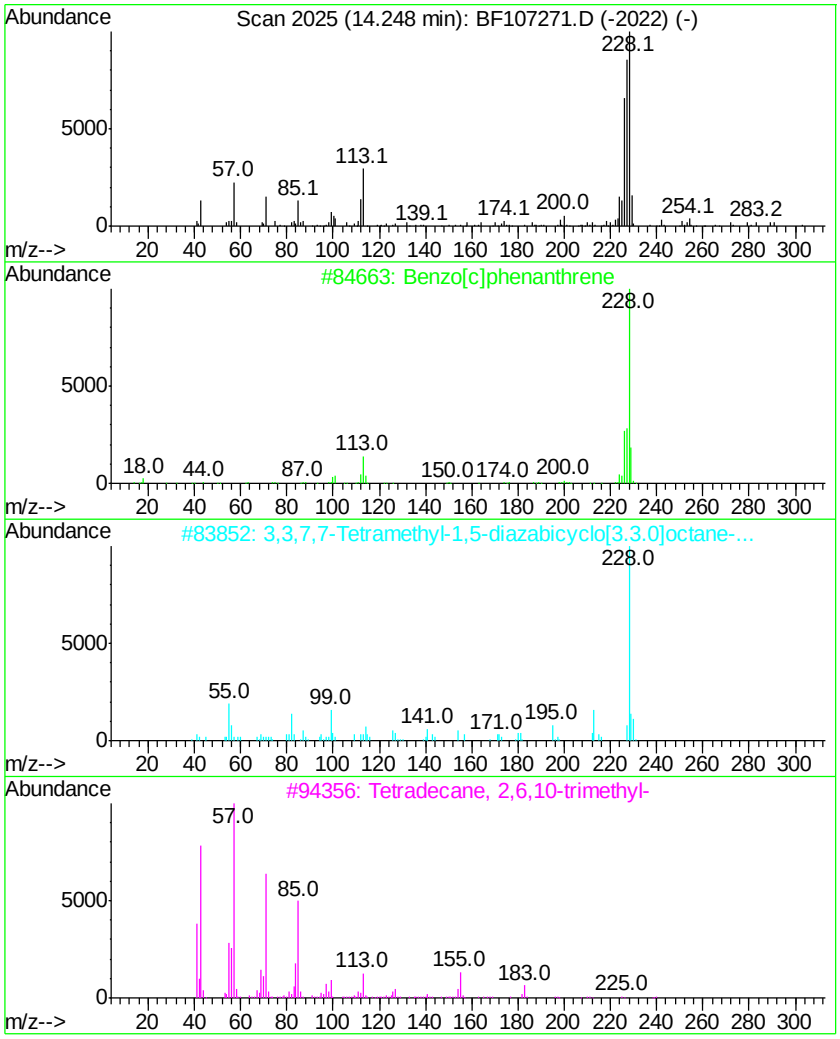
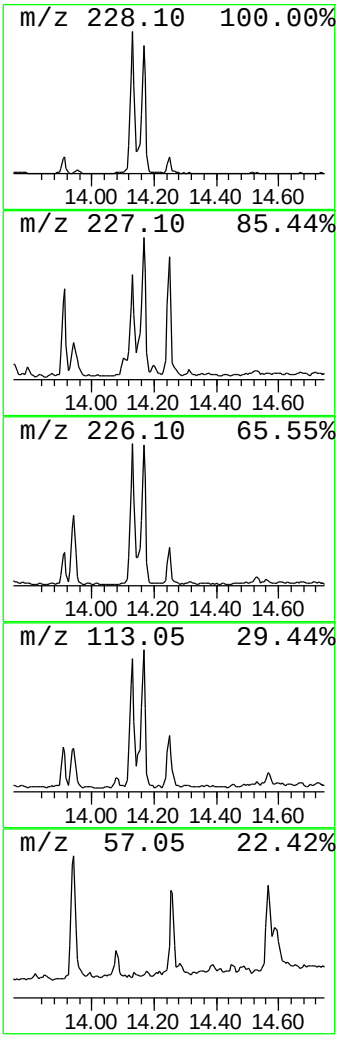
Peak Number 17 Benzo[c]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	3.60 ng	112466	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	59
2	3,3,7,7-Tetramethyl-1,5-diazabic...	228	C10H16N2S2	096594-28-4	35
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	35
4	Pentadecane	212	C15H32	000629-62-9	25
5	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	25





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Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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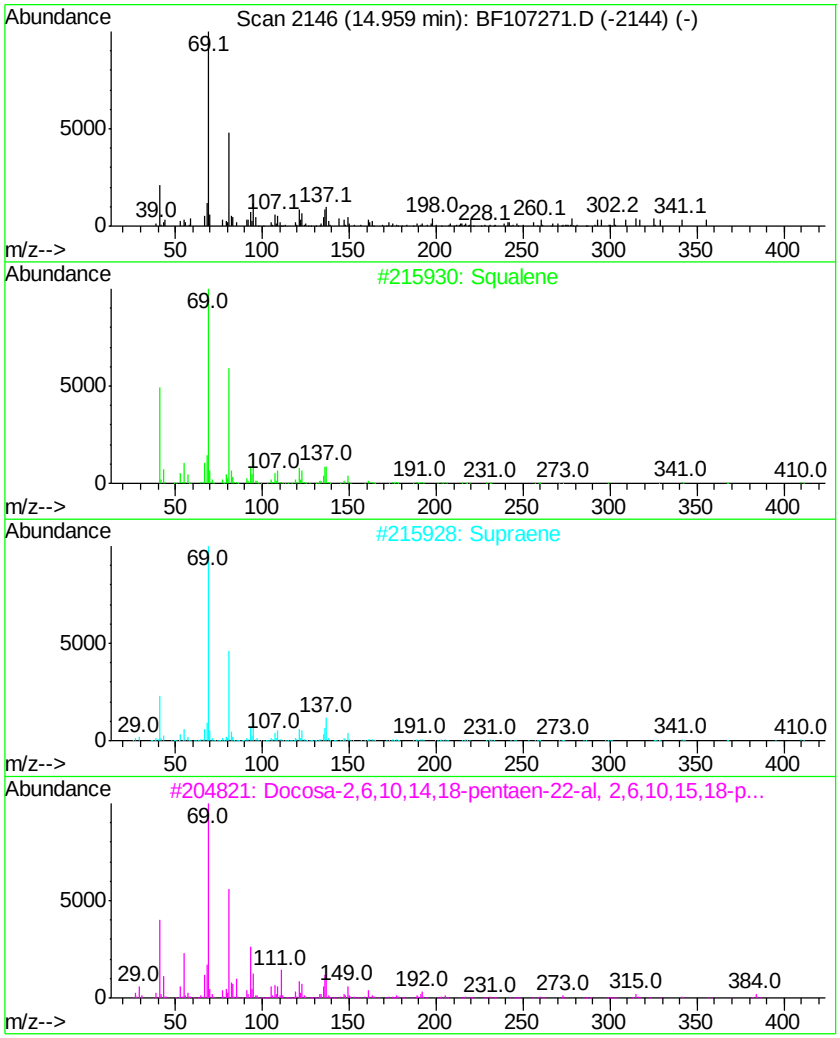
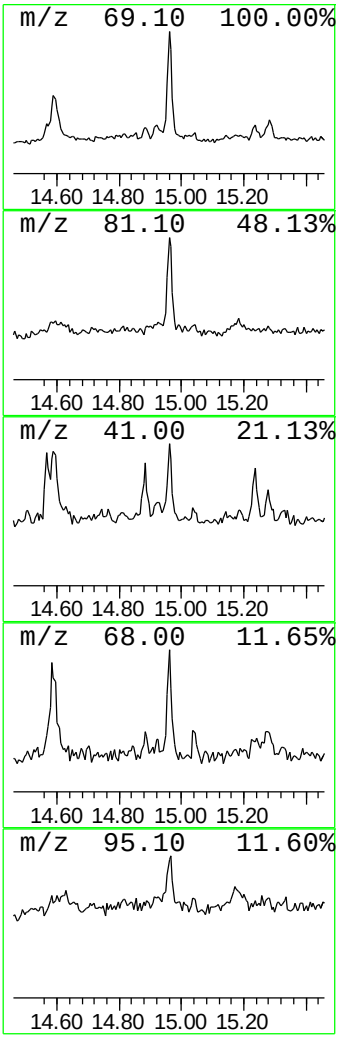
Peak Number 18 Squalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	9.99 ng	84998	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	58
2	Supraene	410	C30H50	007683-64-9	53
3	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	53
4	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	53
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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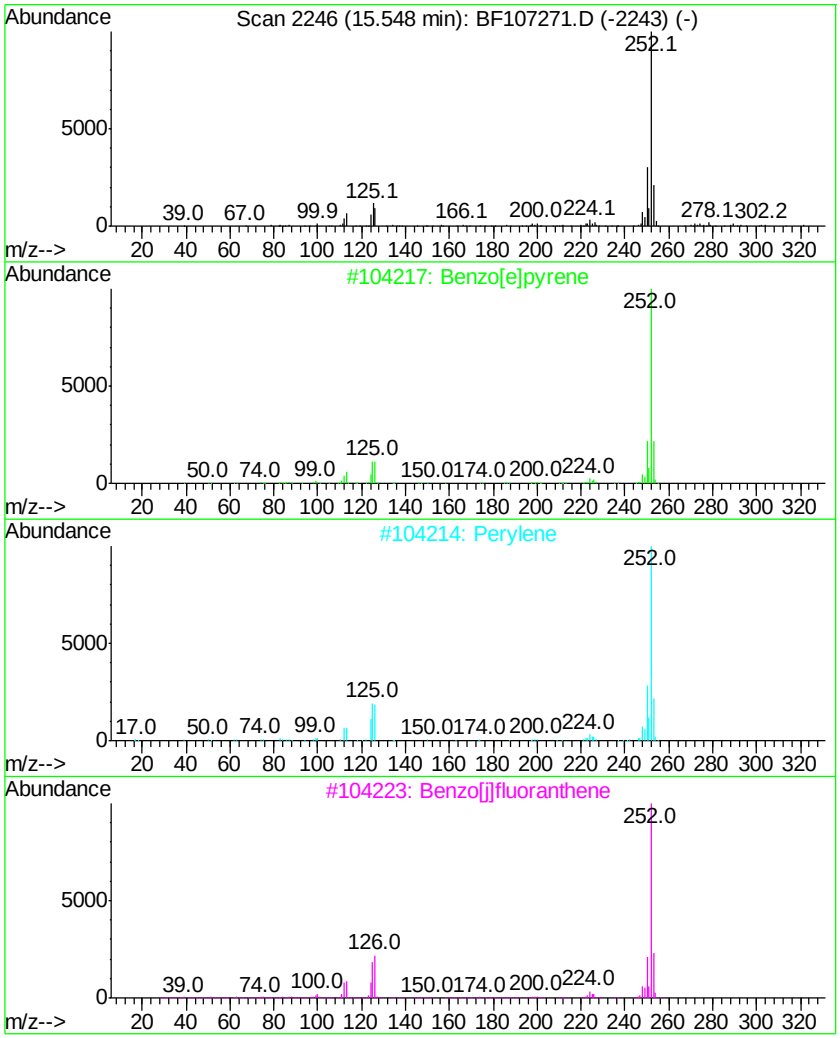
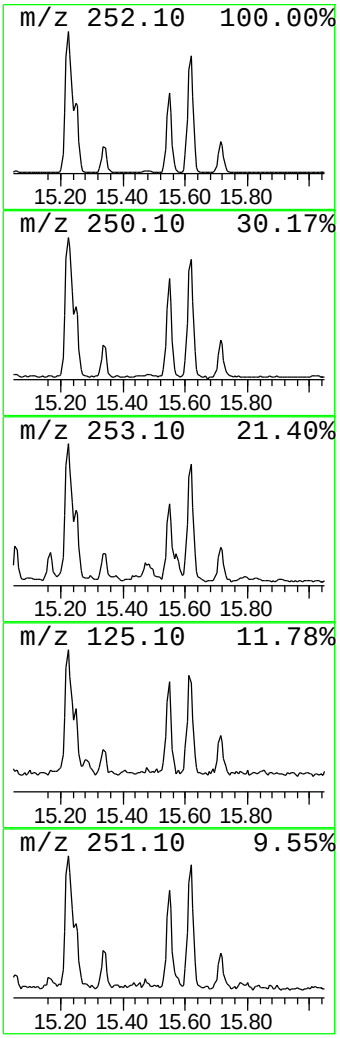
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	13.53 ng	115055	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107271.D
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Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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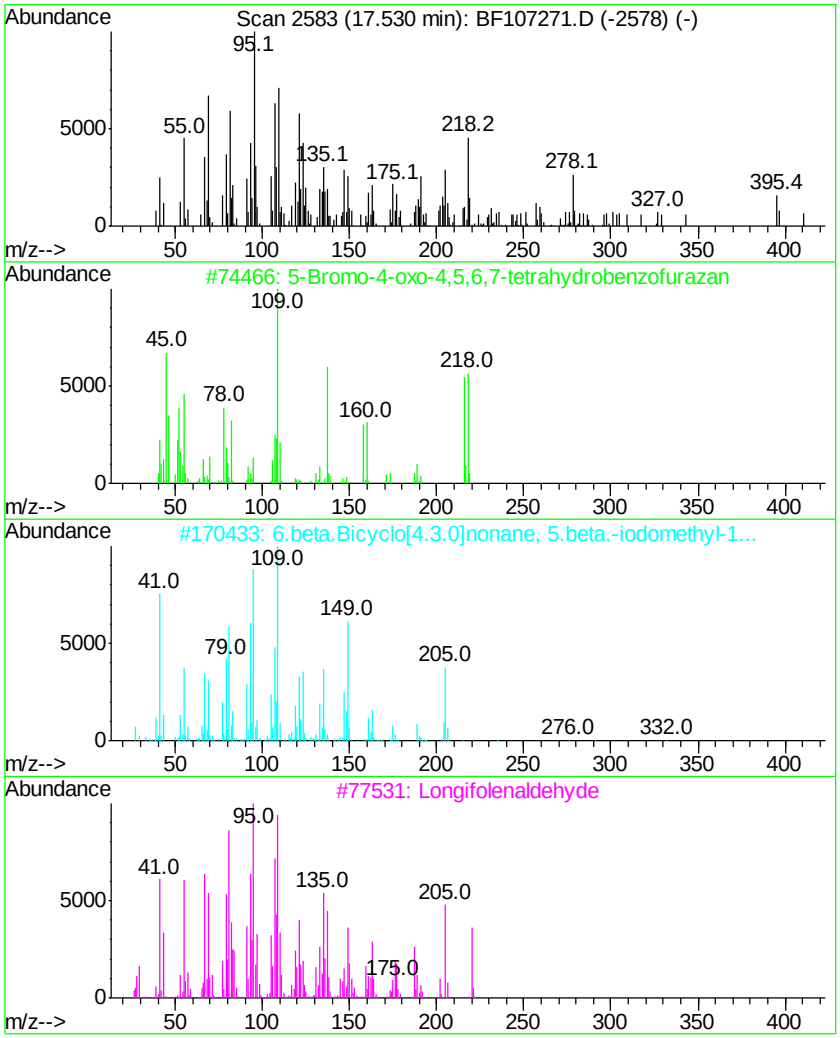
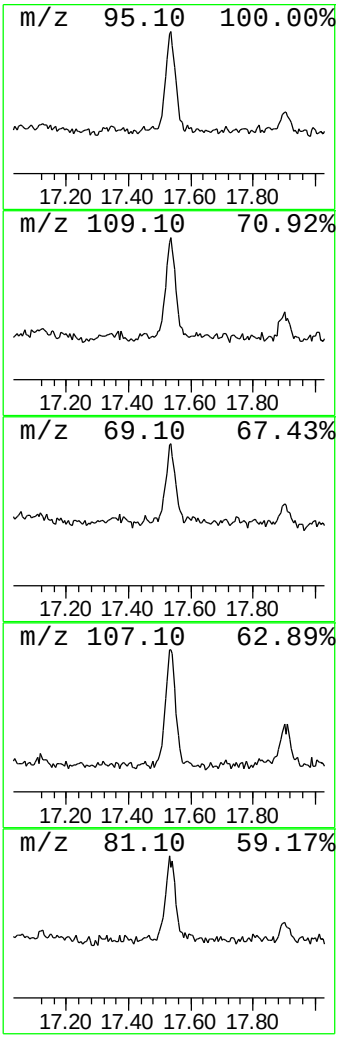
Peak Number 20 unknown17.53 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	27.10 ng	230484	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	46
2	6.beta.Bicyclo[4.3.0]nonane, 5.b...	332	C15H25I	1000195-85-9	43
3	Longifolenaldehyde	220	C15H24O	019890-84-7	37
4	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	25
5	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071018\
Data File : BF107271.D
Acq On : 10 Jul 2018 14:35
Operator : JU/SJ
Sample : J3891-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 212-72-11940-R4-VNJ-242

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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...	5.17	10.2	ng	92006	1	6.94	181306	20.0
unknown6.72	6.72	68.5	ng	620621	1	6.94	181306	20.0
unknown9.40	9.40	6.3	ng	66038	3	9.98	210127	20.0
Homosalate	11.82	3.4	ng	47182	4	11.48	278489	20.0
Phenanthrene, 1-m...	11.98	5.7	ng	78815	4	11.48	278489	20.0
Phenanthrene, 2-m...	12.01	7.5	ng	104333	4	11.48	278489	20.0
Anthracene, 1-met...	12.06	3.4	ng	47948	4	11.48	278489	20.0
4H-Cyclopenta[def...	12.10	15.5	ng	215227	4	11.48	278489	20.0
5,16[1',2']:8,13[...	12.28	4.0	ng	56460	4	11.48	278489	20.0
4b,8-Dimethyl-2-i...	12.41	12.1	ng	168495	4	11.48	278489	20.0
Phenanthrene, 2,5...	12.54	4.9	ng	67798	4	11.48	278489	20.0
Retene	13.20	3.1	ng	96503	5	14.14	624367	20.0
Fluoranthene, 2-m...	13.27	7.7	ng	240566	5	14.14	624367	20.0
11H-Benzo[b]fluorene	13.33	4.1	ng	128362	5	14.14	624367	20.0
1-Decanol, 2-octyl-	13.94	6.4	ng	200408	5	14.14	624367	20.0
Benzo[c]phenanthrene	14.25	3.6	ng	112466	5	14.14	624367	20.0
Squalene	14.96	10.0	ng	84998	6	15.68	170111	20.0
Benzo[e]pyrene	15.55	13.5	ng	115055	6	15.68	170111	20.0
unknown17.53	17.53	27.1	ng	230484	6	15.68	170111	20.0