LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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	5.166	477	481	492	rBV	48913	56080	12.33%	0.767%
2	5.584	548	552	572	rBV	395119	416765	91.61%	5.701%
3	6.584	719	722	738	rBV	398140	410946	90.34%	5.621%
4	6.719	741	745	749	rBV	450259	413402	90.88%	5.655%
5	6.937	779	782	786	rBV	245953	212177	46.64%	2.902%
6	7.095	805	809	817	rBB	358671	307637	67.63%	4.208%
7	7.501	875	878	892	rBV	250373	234213	51.49%	3.204%
8	8.225	997	1001	1019	rBB	274943	259301	57.00%	3.547%
9	8.936	1120	1122	1126	rBB	7567	6437	1.42%	0.088%
10	9.295	1179	1183	1186	rBV	421211	363668	79.94%	4.974%
11	9.360	1190	1194	1198	rVB	5200	5673	1.25%	0.078%
12	9.636	1239	1241	1244	rVV	6984	5599	1.23%	0.077%
13	9.689	1244	1250	1256	rVB	64800	61622	13.55%	0.843%
14	9.848	1272	1277	1279	rBV	9164	10409	2.29%	0.142%
15	9.883	1279	1283	1286	rVB	7279	7177	1.58%	0.098%
16	9.983	1297	1300	1303	rBV	305810	252885	55.59%	3.459%
17	10.013	1303	1305	1309	rVB	35428	29072	6.39%	0.398%
18	10.189	1330	1335	1338	rBV2	13753	13978	3.07%	0.191%
19	10.389	1364	1369	1371	rBV	8198	8267	1.82%	0.113%
20	10.536	1390	1394	1399	rVB	31772	31976	7.03%	0.437%
21	10.601	1403	1405	1407	rBV2	5617	5271	1.16%	0.072%
22	10.689	1418	1420	1424	rVB	7709	6109	1.34%	0.084%
23	10.783	1432	1436	1441	rBV	263597	254892	56.03%	3.486%
24	10.872	1447	1451	1454	rBV2	7489	10290	2.26%	0.141%
25	11.083	1480	1487	1489	rBV	12917	15606	3.43%	0.213%
26	11.113	1489	1492	1494	rVV	7798	6724	1.48%	0.092%
27	11.207	1504	1508	1510	rBV2	6003	7319	1.61%	0.100%
28	11.230	1510	1512	1516	rVV3	7285	8027	1.76%	0.110%
29	11.289	1516	1522	1524	rVV2	7932	7718	1.70%	0.106%
30	11.313	1524	1526	1528	rVV3	7949	9410	2.07%	0.129%
31	11.330	1528	1529	1533	rVV2	8613	8738	1.92%	0.120%
32	11.377	1534	1537	1540	rVB	11613	10854	2.39%	0.148%
33	11.477	1551	1554	1556	rBV	316213	282593	62.12%	3.865%
34	11.501	1556	1558	1562	rVB	229623	200454	44.06%	2.742%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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	11.554	1564	1567	1570	rVV	66582	57809	12.71%	0.791%
36	11.595	1570	1574	1576	rVB2	5446	6078	1.34%	0.083%
37	11.713	1590	1594	1597	rBV2	18953	22979	5.05%	0.314%
38	11.819	1605	1612	1616	rVB4	20161	24008	5.28%	0.328%
39	11.889	1621	1624	1629	rBV	5919	7705	1.69%	0.105%
40	11.983	1636	1640	1642	rBV	47604	44537	9.79%	0.609%
41	12.013	1642	1645	1648	rVB	62879	53974	11.86%	0.738%
42	12.060	1648	1653	1656	rBV	28443	27734	6.10%	0.379%
43	12.095	1656	1659	1662	rVV2	71369	91953	20.21%	1.258%
44	12.119	1662	1663	1666	rVB	38414	19741	4.34%	0.270%
45	12.213	1677	1679	1683	rVB2	20009	17700	3.89%	0.242%
46	12.272	1686	1689	1693	rVV	33709	32217	7.08%	0.441%
47	12.319	1693	1697	1700	rVB3	14835	20076	4.41%	0.275%
48	12.424	1710	1715	1717	rBV2	16432	18972	4.17%	0.259%
49	12.454	1717	1720	1723	rBV	16252	15652	3.44%	0.214%
50	12.483	1723	1725	1727	rVB2	12894	7732	1.70%	0.106%
51	12.530	1730	1733	1737	rBV	49599	55873	12.28%	0.764%
52	12.572	1737	1740	1742	rBV2	14706	13926	3.06%	0.190%
53	12.630	1745	1750	1757	rVB5	19724	41980	9.23%	0.574%
54	12.701	1758	1762	1765	rBV	361547	332786	73.15%	4.552%
55	12.760	1770	1772	1775	rBV2	15125	14072	3.09%	0.192%
56	12.801	1777	1779	1781	rVB2	7348	5681	1.25%	0.078%
57	12.854	1785	1788	1790	rVV2	17717	18295	4.02%	0.250%
58	12.872	1790	1791	1794	rVB3	12945	8434	1.85%	0.115%
59	12.913	1794	1798	1799	rBV2	75768	69877	15.36%	0.956%
60	12.936	1799	1802	1807	rVV	338378	321403	70.65%	4.396%
61	12.977	1807	1809	1813	rVB2	26850	27392	6.02%	0.375%
62	13.060	1819	1823	1826	rBV	499142	433520	95.30%	5.930%
63	13.095	1826	1829	1833	rVB2	14389	19619	4.31%	0.268%
64	13.154	1833	1839	1843	rBV3	31813	59606	13.10%	0.815%
65	13.260	1855	1857	1860	rVB	72732	62650	13.77%	0.857%
66	13.324	1865	1868	1870	rBV	52440	40371	8.87%	0.552%
67	13.366	1871	1875	1878	rBV2	33198	40145	8.82%	0.549%
68	13.460	1889	1891	1893	rBV	27556	24042	5.29%	0.329%
69	13.495	1893	1897	1899	rVV3	28606	30995	6.81%	0.424%
70	13.554	1905	1907	1913	rBV6	10847	18827	4.14%	0.258%
71	13.607	1914	1916	1919	rBV3	14657	12299	2.70%	0.168%

LSC Area Percent Report

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Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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	13.660	1923	1925	1927	rBV2	14616	18100	3.98%	0.248%
73	13.777	1942	1945	1948	rBV2	26214	24926	5.48%	0.341%
74	13.883	1961	1963	1966	rBV	19996	17676	3.89%	0.242%
75	13.907	1966	1967	1970	rVB	28066	20087	4.42%	0.275%
76	13.942	1970	1973	1978	rBV3	53947	68202	14.99%	0.933%
77	13.989	1979	1981	1984	rVB	23497	19916	4.38%	0.272%
78	14.142	2002	2007	2009	rBV2	362390	454910	100.00%	6.222%
79	14.166	2009	2011	2018	rVB	148170	119560	26.28%	1.635%
80	14.248	2023	2025	2031	rBV2	33804	40629	8.93%	0.556%
81	15.230	2188	2192	2199	rVB	79242	168250	36.99%	2.301%
82	15.554	2244	2247	2250	rBV	44155	47370	10.41%	0.648%
83	15.618	2256	2258	2265	rVB	62313	82193	18.07%	1.124%
84	15.689	2266	2270	2274	rVB	143888	167243	36.76%	2.288%

Sum of corrected areas: 7311011

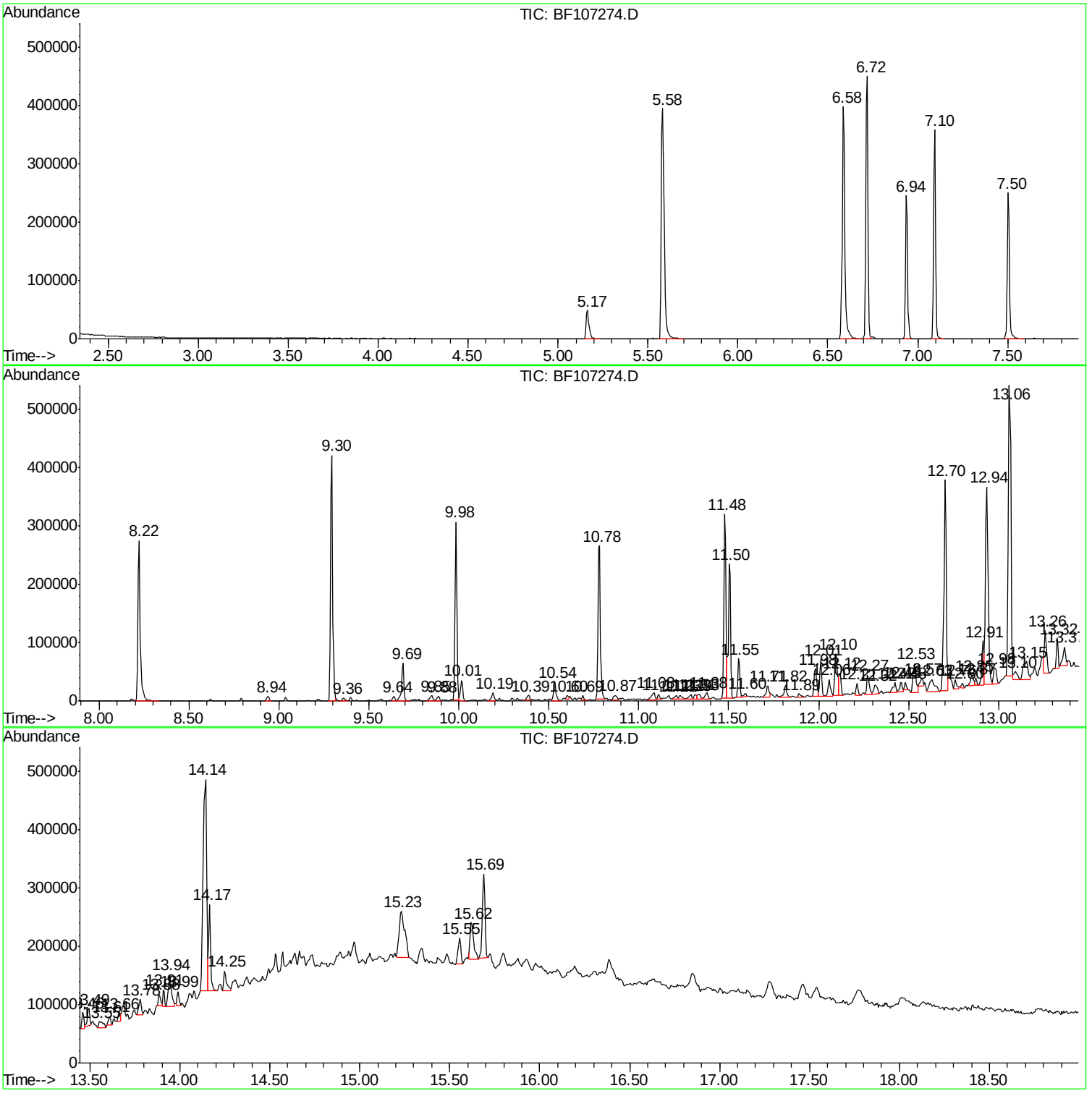
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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

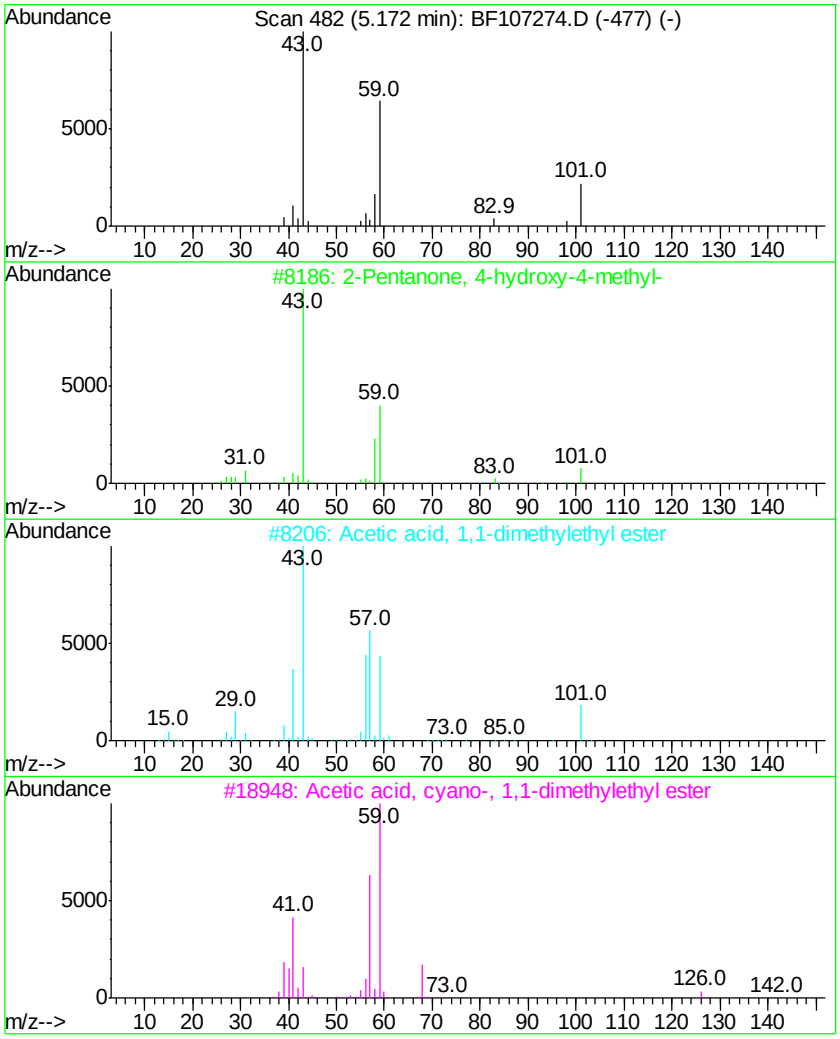
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

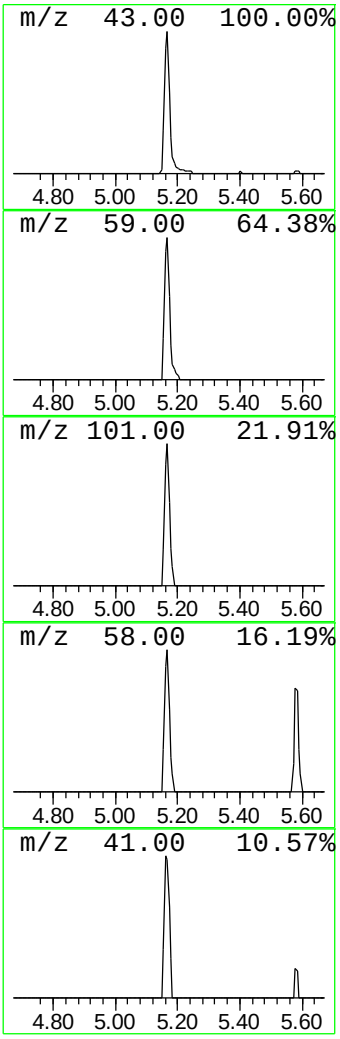
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	5.29 ng	56080	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	56
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	9
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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

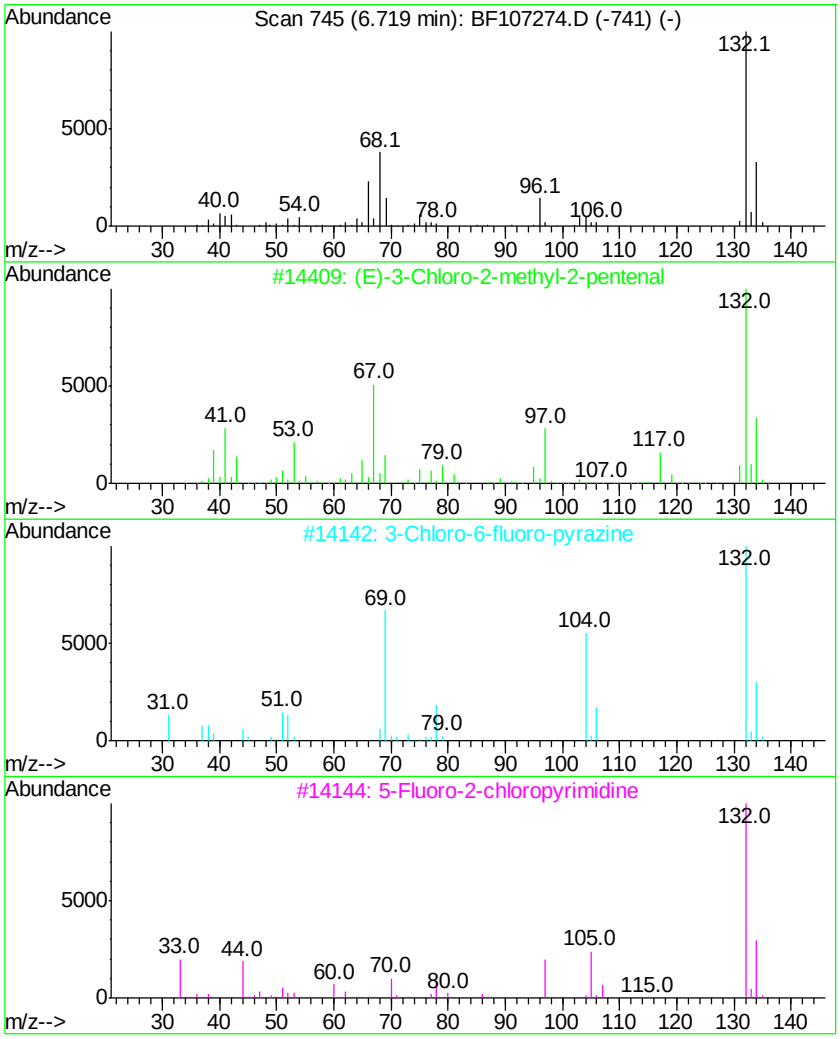
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

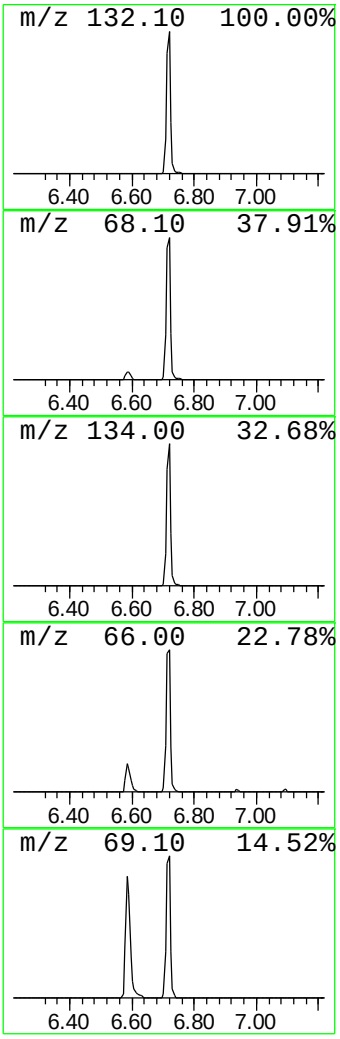
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	38.97 ng	413402	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : JC-SOIL

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

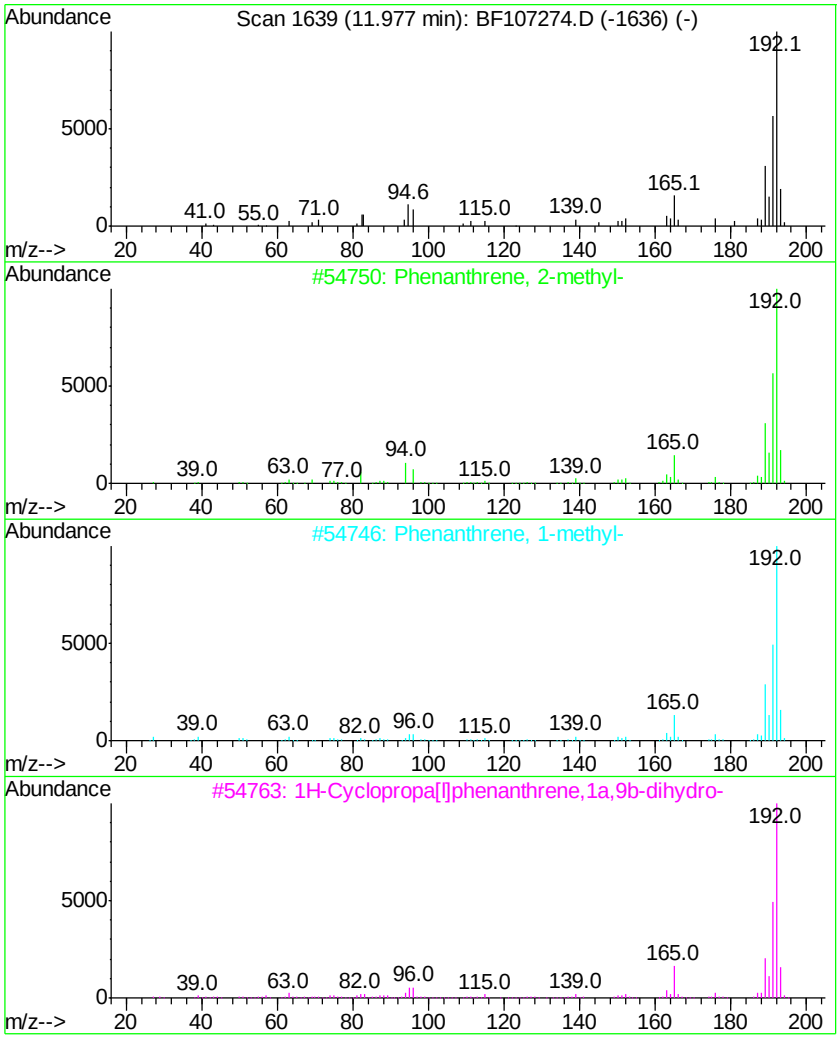
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

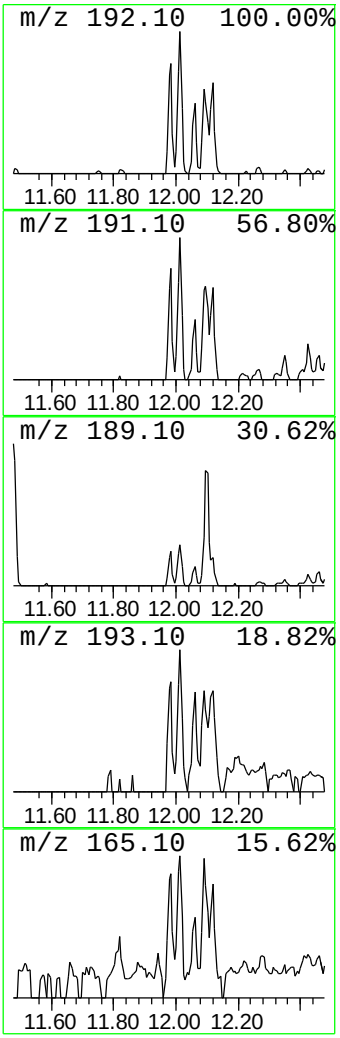
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.15 ng	44537	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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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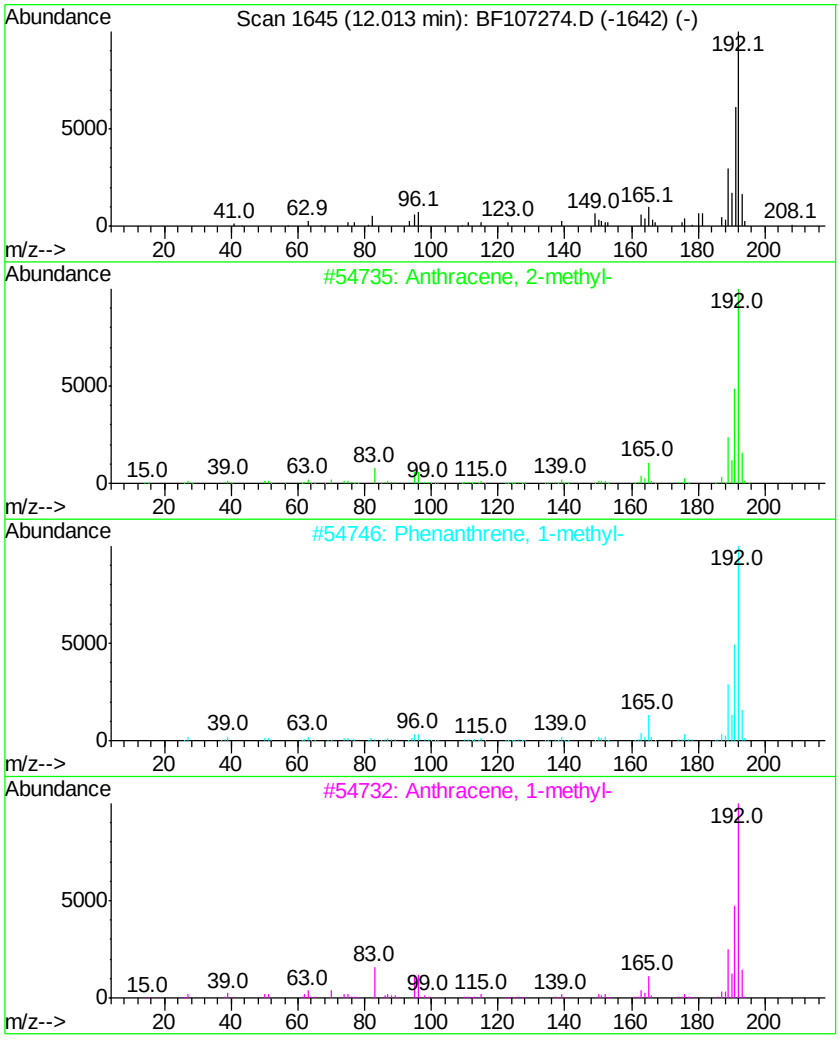
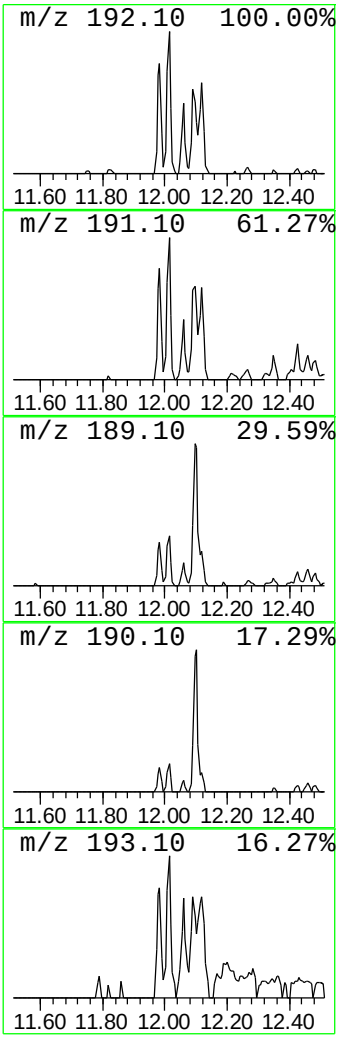
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.82 ng	53974	Phenanthrene-d10	11.48

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	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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

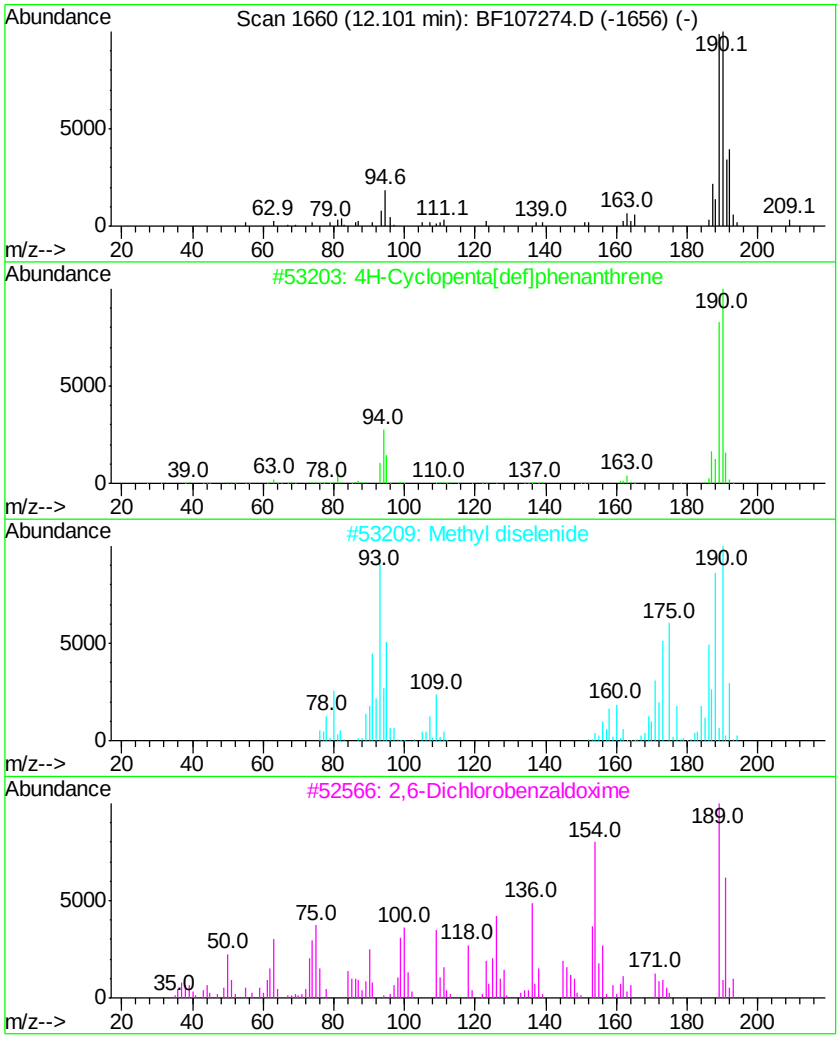
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

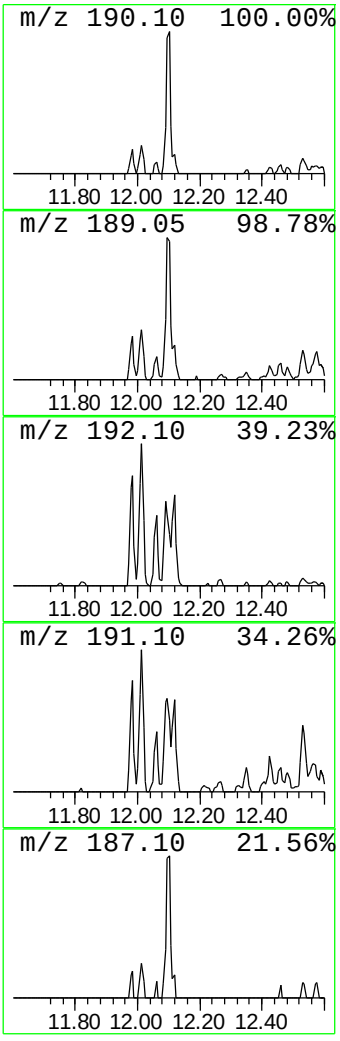
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	6.51 ng	91953	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	20
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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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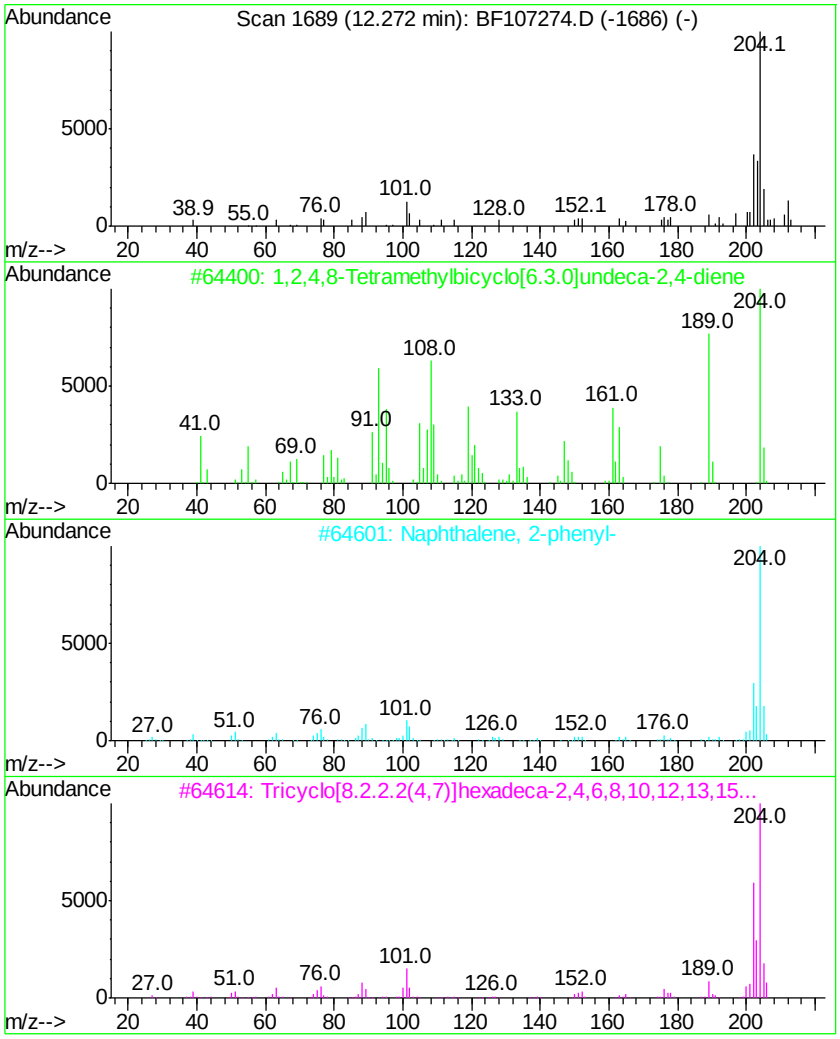
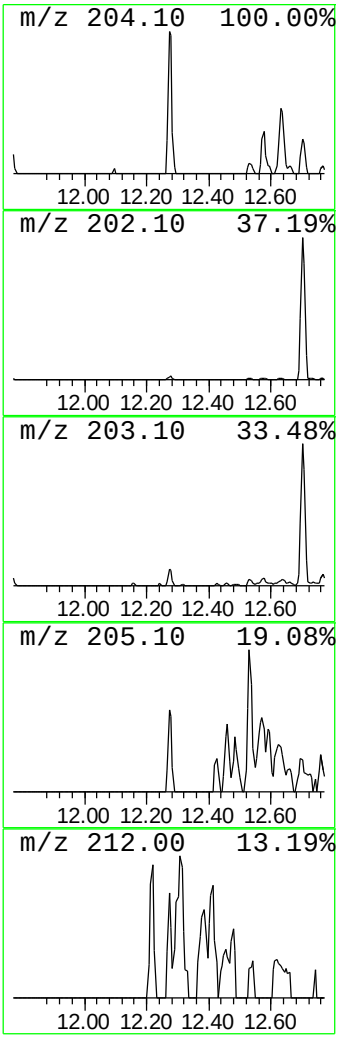
Peak Number 7 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.28 ng	32217	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53





Library Search Compound Report

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Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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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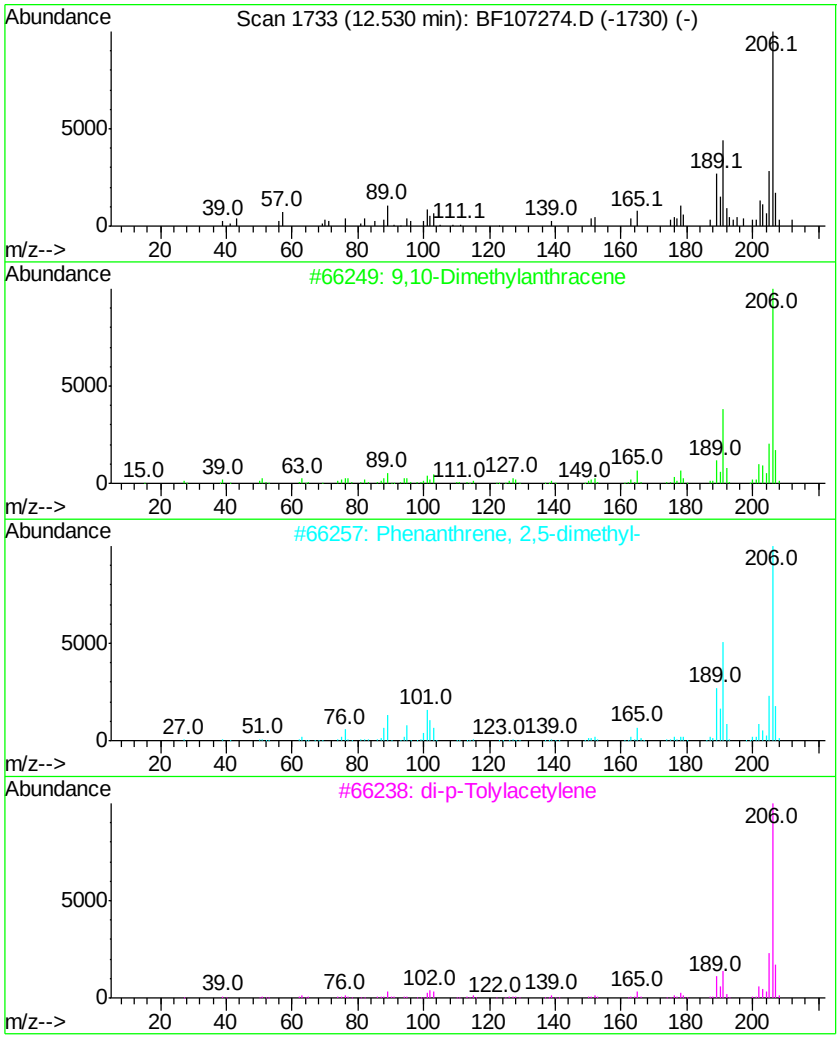
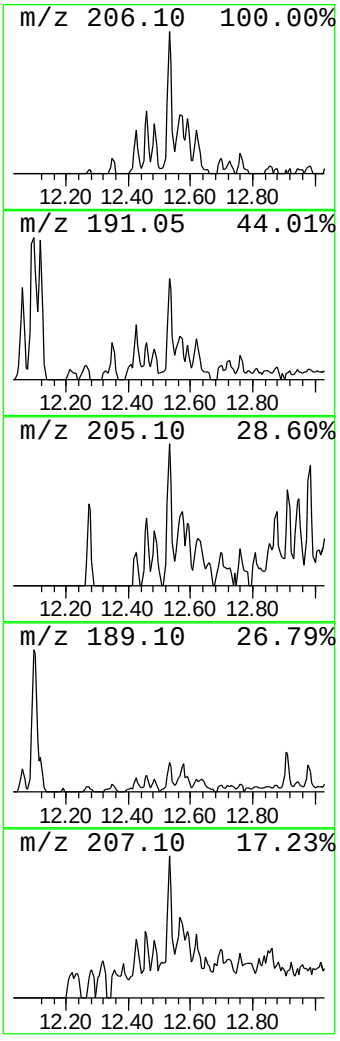
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.95 ng	55873	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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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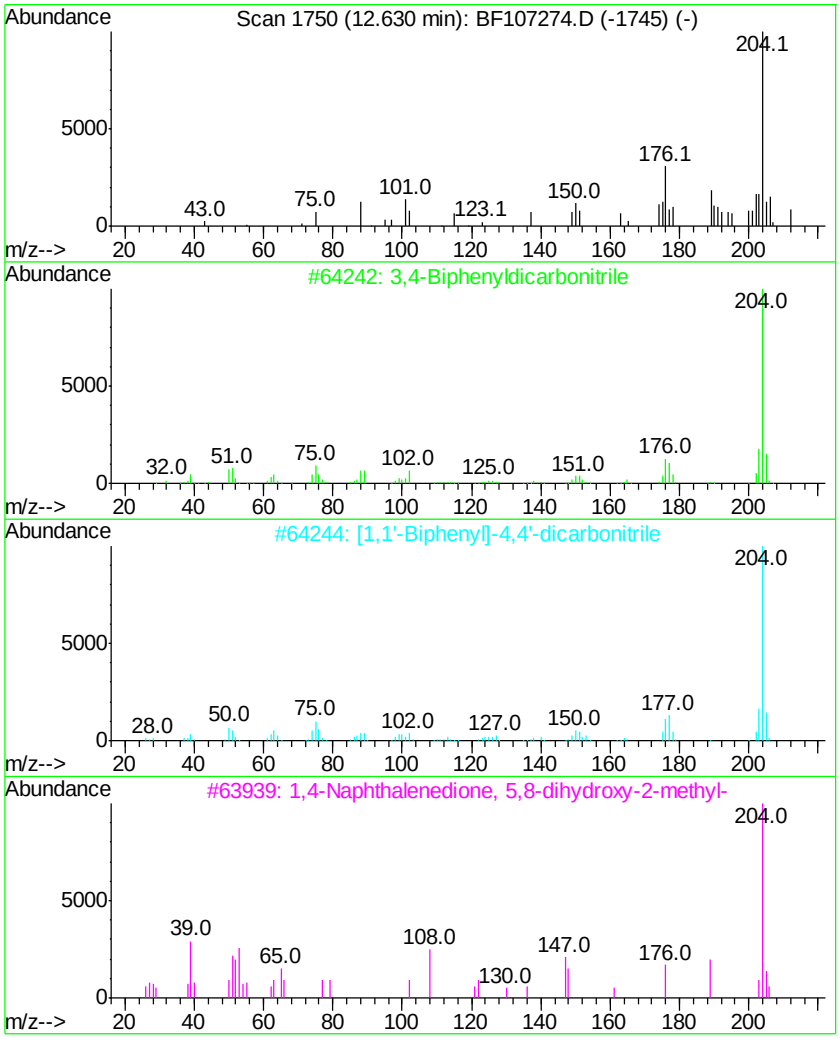
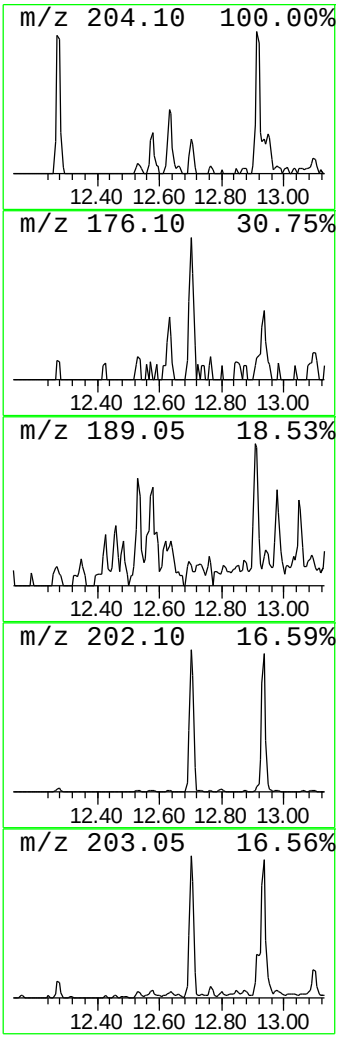
Peak Number 9 3,4-Biphenyldicarbonitrile Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.97 ng	41980	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	1,4-Naphthalenedione, 5,8-dihydr...	204	C11H8O4	014554-09-7	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5	4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	52





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Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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TIC Library : C:\DATABASE\NIST11.L
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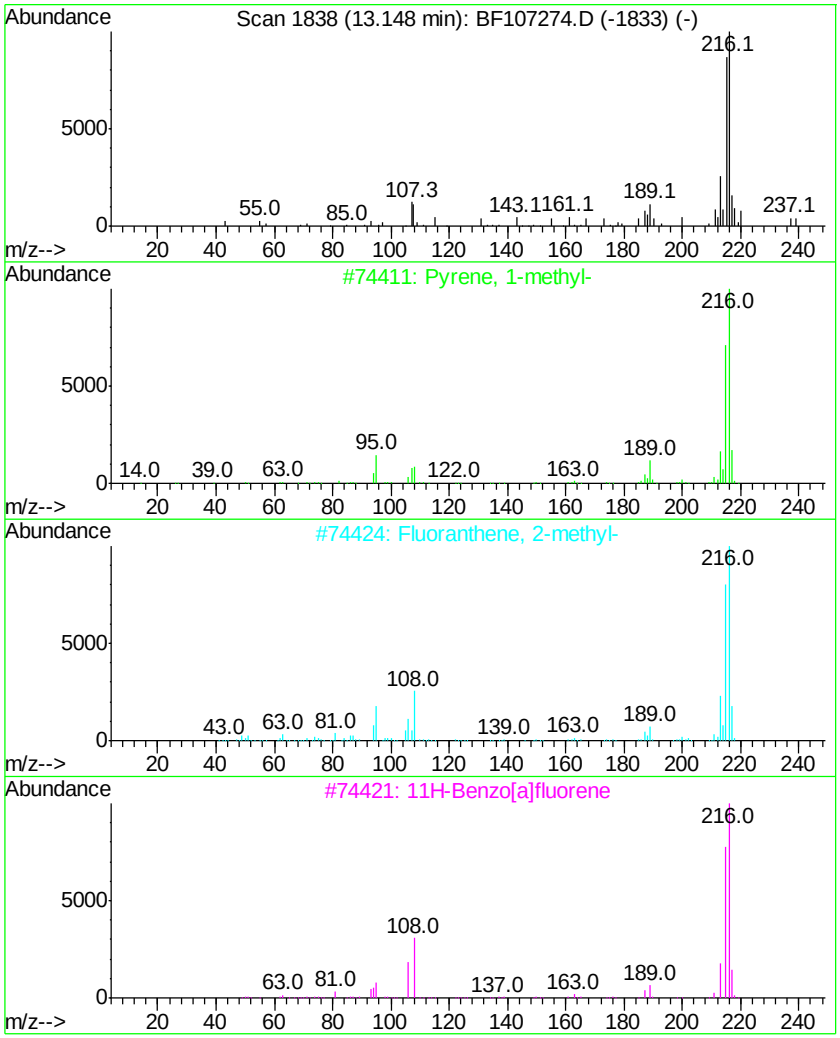
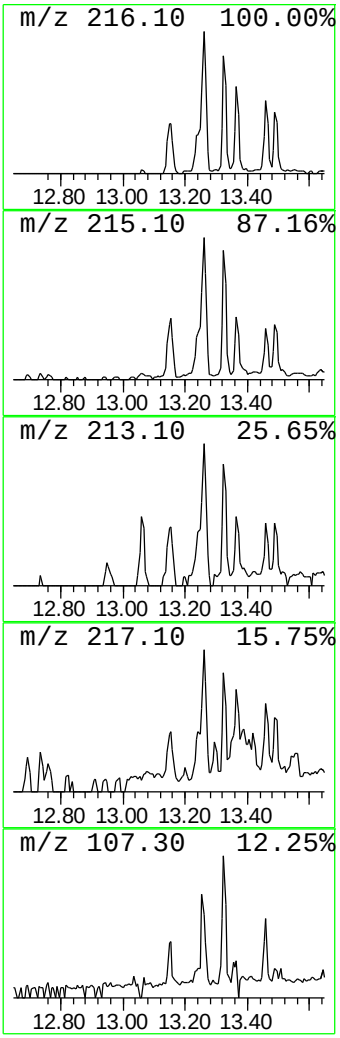
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.62 ng	59606	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





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Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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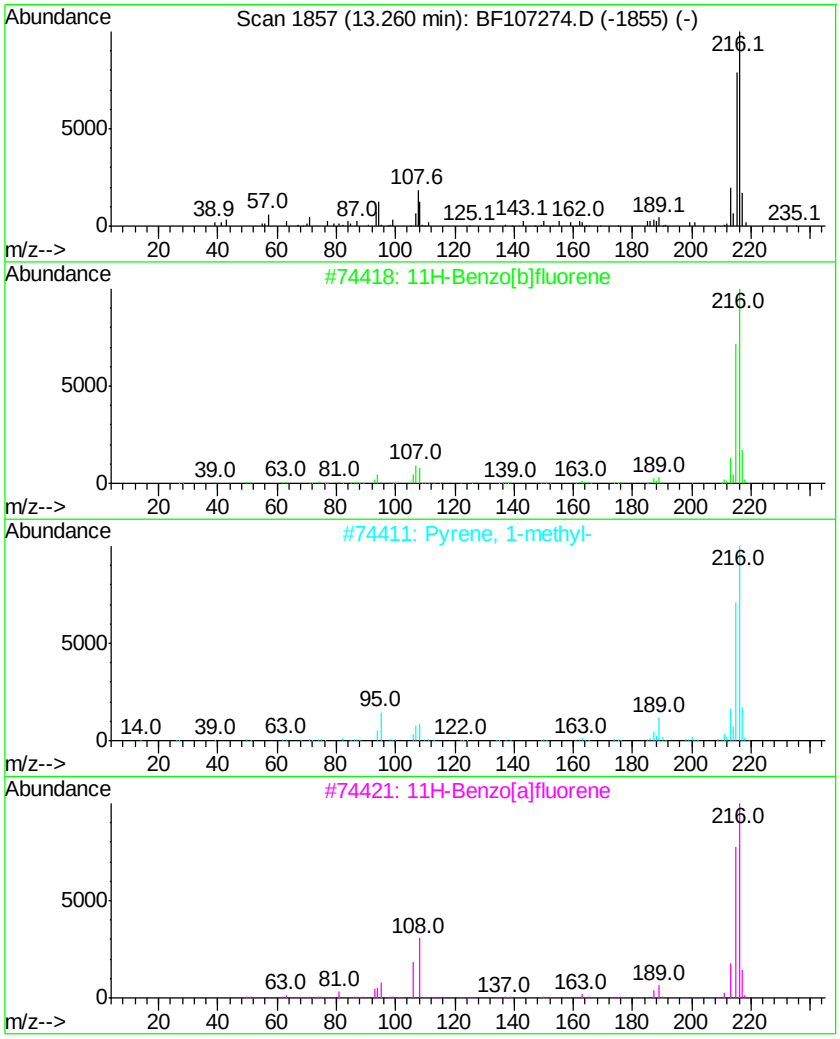
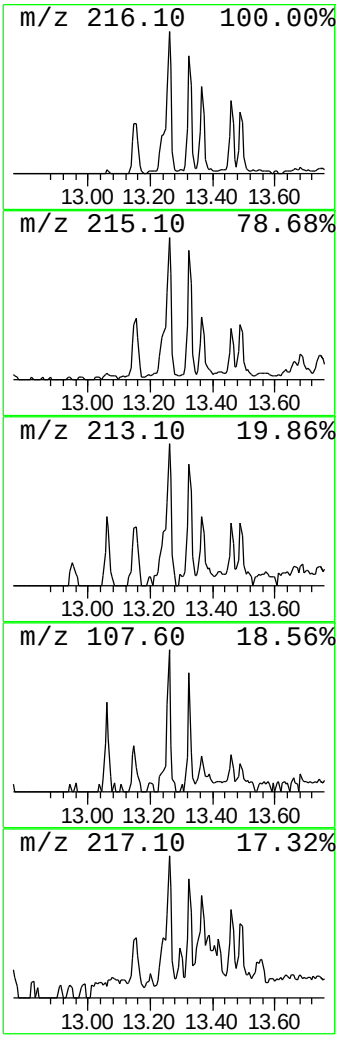
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.75 ng	62650	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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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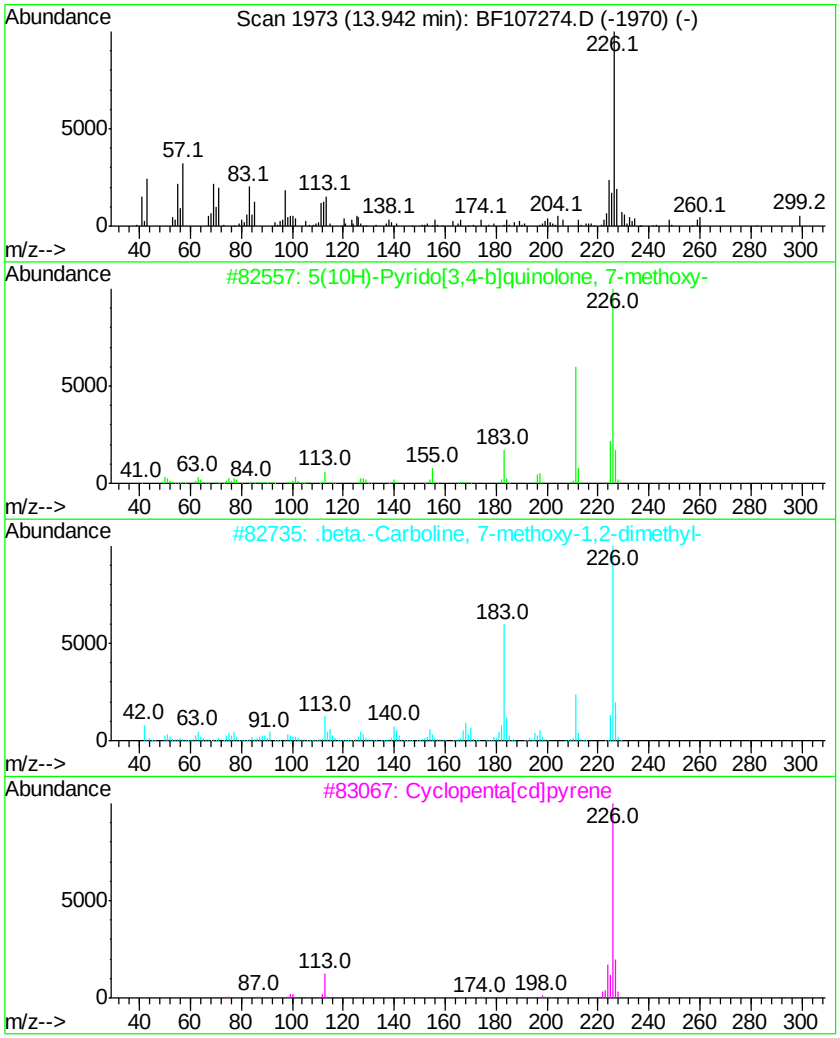
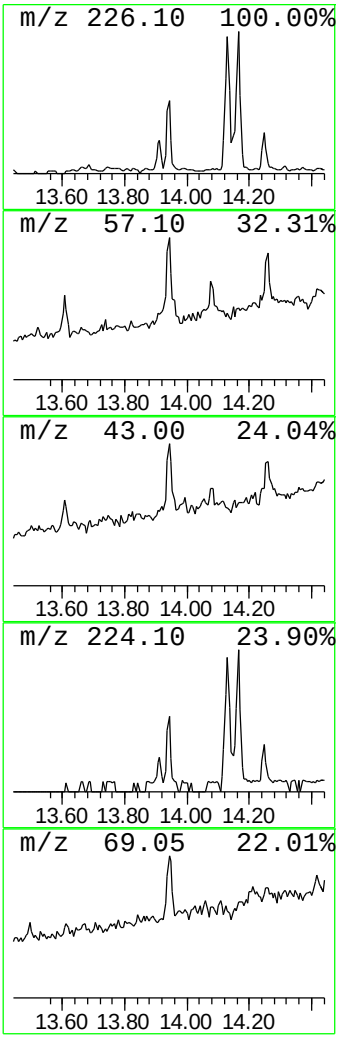
Peak Number 12 5(10H)-Pyrido[3,4-b]quinolo... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	3.00 ng	68202	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	59
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	59
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	53
5	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	50





Library Search Compound Report

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Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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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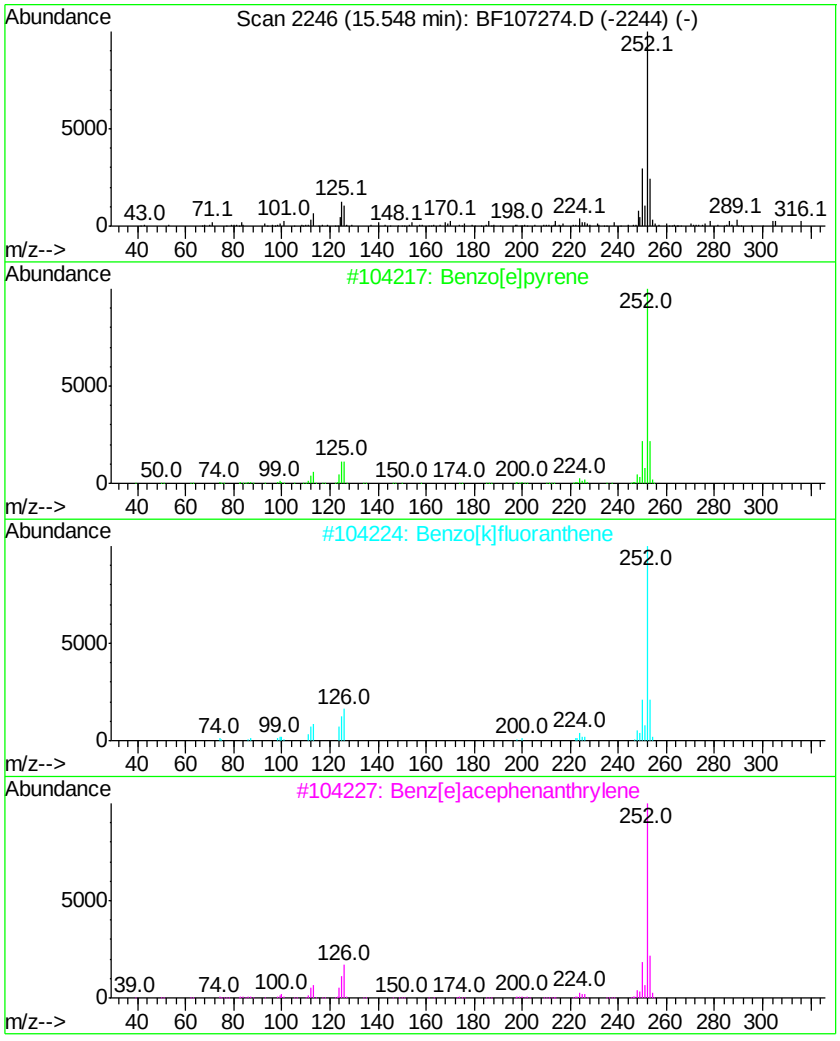
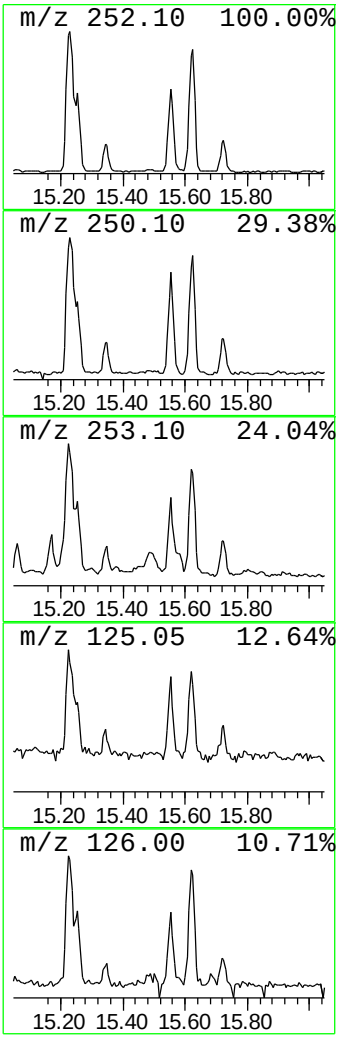
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	5.66 ng	47370	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071018\
Data File : BF107274.D
Acq On : 10 Jul 2018 15:55
Operator : JU/SJ
Sample : J3896-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-SOIL

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	5.3	ng	56080	1	6.94	212177	20.0
unknown6.72	6.72	39.0	ng	413402	1	6.94	212177	20.0
Phenanthrene, 2-m...	11.98	3.1	ng	44537	4	11.48	282593	20.0
Anthracene, 2-met...	12.01	3.8	ng	53974	4	11.48	282593	20.0
4H-Cyclopenta[def...	12.10	6.5	ng	91953	4	11.48	282593	20.0
1,2,4,8-Tetrameth...	12.27	2.3	ng	32217	4	11.48	282593	20.0
9,10-Dimethylanth...	12.53	4.0	ng	55873	4	11.48	282593	20.0
3,4-Biphenyldicar...	12.63	3.0	ng	41980	4	11.48	282593	20.0
Pyrene, 1-methyl-	13.15	2.6	ng	59606	5	14.14	454910	20.0
11H-Benzo[b]fluorene	13.26	2.8	ng	62650	5	14.14	454910	20.0
5(10H)-Pyrido[3,4...	13.94	3.0	ng	68202	5	14.14	454910	20.0
Benzo[e]pyrene	15.55	5.7	ng	47370	6	15.69	167243	20.0