LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108401.D
Acq On : 22 Aug 2018 23:27
Operator : JU/SJ
Sample : J4580-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-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-BF080818.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	2.366	3	5	17	rVB	723844	838994	23.59%	2.009%
2	4.648	390	393	398	rBV	44196	51967	1.46%	0.124%
3	5.248	491	495	504	rBV	173517	220604	6.20%	0.528%
4	5.631	555	560	563	rBV	3249648	3197355	89.89%	7.657%
5	6.625	723	729	732	rBV	3181422	3464507	97.40%	8.297%
6	6.772	749	754	757	rBV	3685810	3385890	95.19%	8.108%
7	7.001	789	793	796	rBV	1305582	1030370	28.97%	2.467%
8	7.160	815	820	823	rBV	2957564	2612054	73.44%	6.255%
9	7.566	884	889	892	rBV	2360070	2187397	61.50%	5.238%
10	8.283	1007	1011	1014	rBV	1502058	1261927	35.48%	3.022%
11	9.360	1189	1194	1197	rBV	4272971	3556878	100.00%	8.518%
12	9.748	1257	1260	1266	rVB	473380	363706	10.23%	0.871%
13	10.048	1307	1311	1314	rBV	1552967	1343664	37.78%	3.218%
14	10.454	1372	1380	1384	rBV2	50483	53239	1.50%	0.127%
15	10.595	1401	1404	1410	rVB2	49547	48576	1.37%	0.116%
16	10.842	1441	1446	1452	rBV	2020863	1999194	56.21%	4.788%
17	10.930	1458	1461	1471	rVB3	60400	105830	2.98%	0.253%
18	11.142	1491	1497	1500	rBV6	25369	49179	1.38%	0.118%
19	11.342	1528	1531	1534	rBV	47178	46871	1.32%	0.112%
20	11.377	1534	1537	1540	rBV2	76936	79238	2.23%	0.190%
21	11.436	1545	1547	1551	rVB	51085	44559	1.25%	0.107%
22	11.542	1561	1565	1567	rBV	1431477	1221340	34.34%	2.925%
23	11.566	1567	1569	1573	rVB	847222	647914	18.22%	1.552%
24	11.618	1573	1578	1580	rBV	179048	151825	4.27%	0.364%
25	11.771	1599	1604	1607	rBV3	58990	76449	2.15%	0.183%
26	12.042	1647	1650	1653	rBV	147826	135168	3.80%	0.324%
27	12.071	1653	1655	1658	rVB	195160	157008	4.41%	0.376%
28	12.118	1660	1663	1666	rVV	79727	67457	1.90%	0.162%
29	12.160	1666	1670	1672	rVV2	173893	217896	6.13%	0.522%
30	12.177	1672	1673	1677	rVB	121525	83690	2.35%	0.200%
31	12.218	1677	1680	1683	rBV2	44875	44204	1.24%	0.106%
32	12.336	1697	1700	1703	rBV	105564	87063	2.45%	0.208%
33	12.366	1703	1705	1708	rVB2	72767	60020	1.69%	0.144%
34	12.489	1720	1726	1729	rBV4	54410	71978	2.02%	0.172%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : RN-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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.595	1740	1744	1748	rBV2	111129	163198	4.59%	0.391%
36	12.683	1756	1759	1765	rBV	95781	116135	3.27%	0.278%
37	12.760	1768	1772	1776	rBV	1297434	1202711	33.81%	2.880%
38	12.995	1809	1812	1817	rVB	1207069	1064808	29.94%	2.550%
39	13.036	1817	1819	1824	rVB2	72135	79685	2.24%	0.191%
40	13.130	1829	1835	1838	rBV	2753611	2565970	72.14%	6.145%
41	13.207	1844	1848	1853	rBV2	97986	179734	5.05%	0.430%
42	13.318	1860	1867	1873	rBV4	134325	277193	7.79%	0.664%
43	13.383	1876	1878	1881	rBV2	73209	69963	1.97%	0.168%
44	13.424	1881	1885	1888	rVB2	122191	142273	4.00%	0.341%
45	13.518	1899	1901	1904	rBV	77888	57826	1.63%	0.138%
46	13.548	1904	1906	1909	rVB	75754	70992	2.00%	0.170%
47	13.677	1925	1928	1930	rBV2	57562	60929	1.71%	0.146%
48	13.830	1951	1954	1958	rVB	127518	128737	3.62%	0.308%
49	13.942	1969	1973	1976	rBV2	105859	139072	3.91%	0.333%
50	13.971	1976	1978	1980	rVV	104278	77742	2.19%	0.186%
51	14.007	1980	1984	1986	rVB2	113212	130796	3.68%	0.313%
52	14.036	1987	1989	1992	rVB	91499	80608	2.27%	0.193%
53	14.071	1993	1995	1998	rBV3	43989	56917	1.60%	0.136%
54	14.195	2011	2016	2019	rBV2	1198429	1622158	45.61%	3.885%
55	14.224	2019	2021	2027	rVB	594072	519972	14.62%	1.245%
56	14.301	2032	2034	2036	rBV	74318	72340	2.03%	0.173%
57	14.424	2051	2055	2057	rBV2	59122	78265	2.20%	0.187%
58	14.583	2080	2082	2085	rVB	140037	107296	3.02%	0.257%
59	14.618	2085	2088	2089	rBV	68084	72697	2.04%	0.174%
60	14.712	2102	2104	2106	rBV	60958	56018	1.57%	0.134%
61	15.289	2197	2202	2205	rBV	504636	851829	23.95%	2.040%
62	15.401	2218	2221	2225	rBV	100353	122444	3.44%	0.293%
63	15.618	2254	2258	2264	rVB	315485	452740	12.73%	1.084%
64	15.683	2265	2269	2274	rVV	446672	567255	15.95%	1.358%
65	15.754	2275	2281	2284	rVV	594109	858322	24.13%	2.055%
66	15.783	2284	2286	2294	rVB2	120079	181990	5.12%	0.436%
67	17.359	2549	2554	2560	rBV2	149424	274507	7.72%	0.657%
68	17.853	2632	2638	2650	rVB	127263	291155	8.19%	0.697%

Sum of corrected areas: 41758288

LSC Report - Integrated Chromatogram

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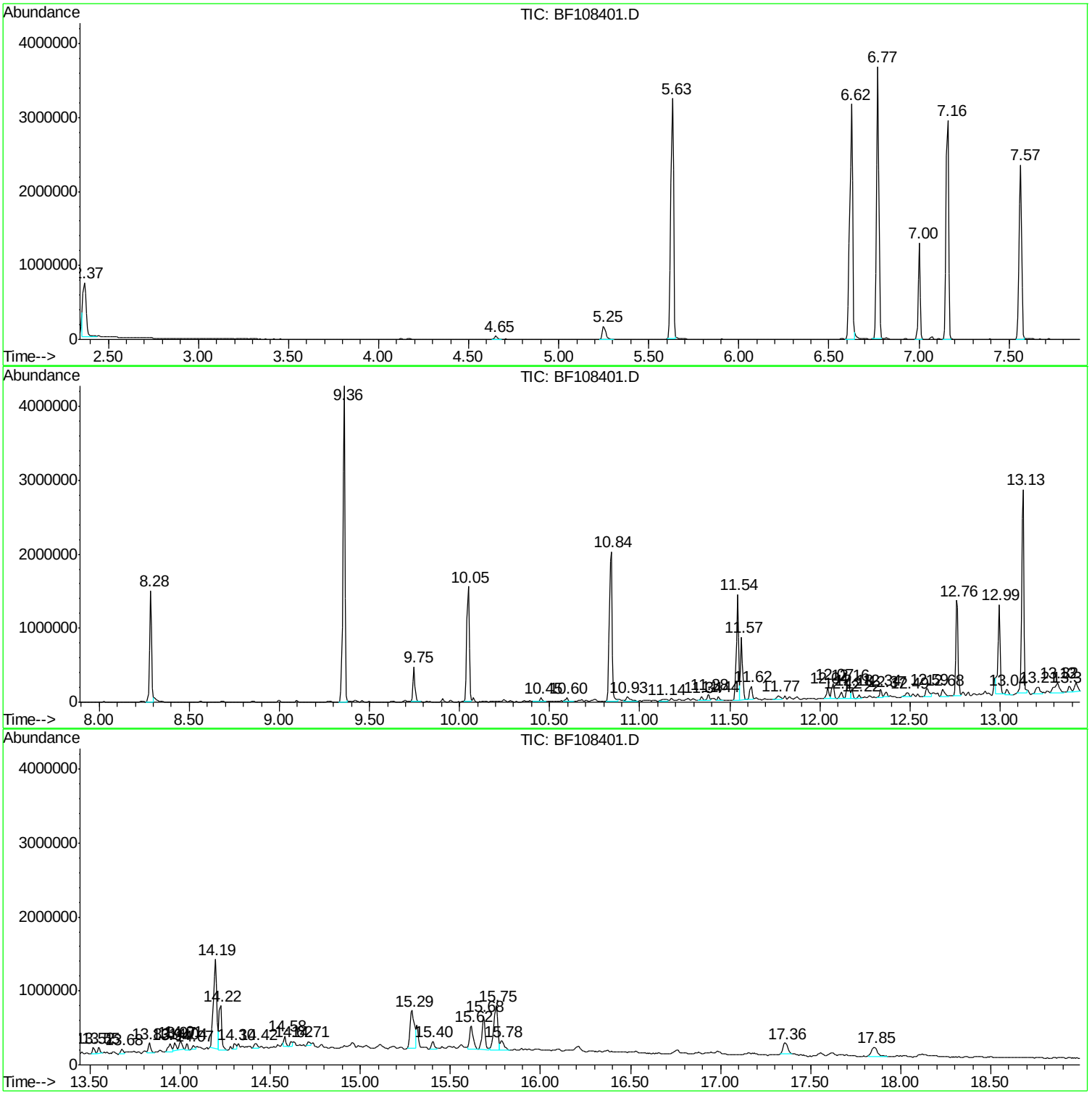
Acq On : 22 Aug 2018 23:27
Operator : JU/SJ
Sample : J4580-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RN-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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\BF082218\
Data File : BF108401.D
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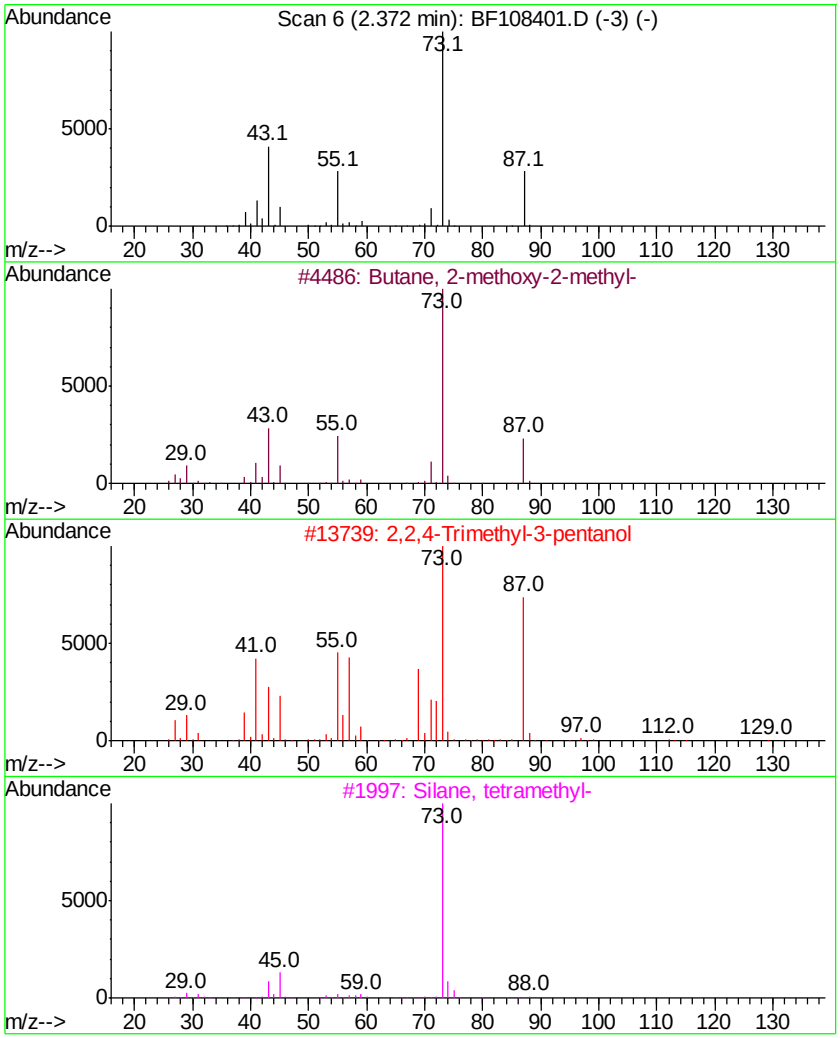
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

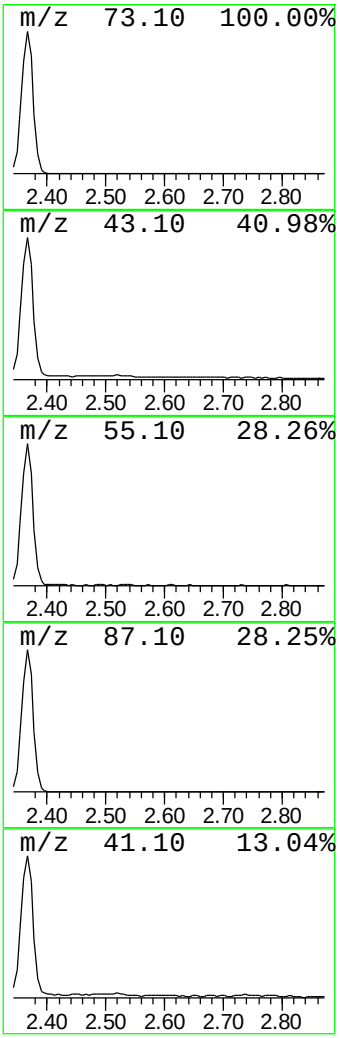
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.37	16.29 ng	838994	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Library Search Compound Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

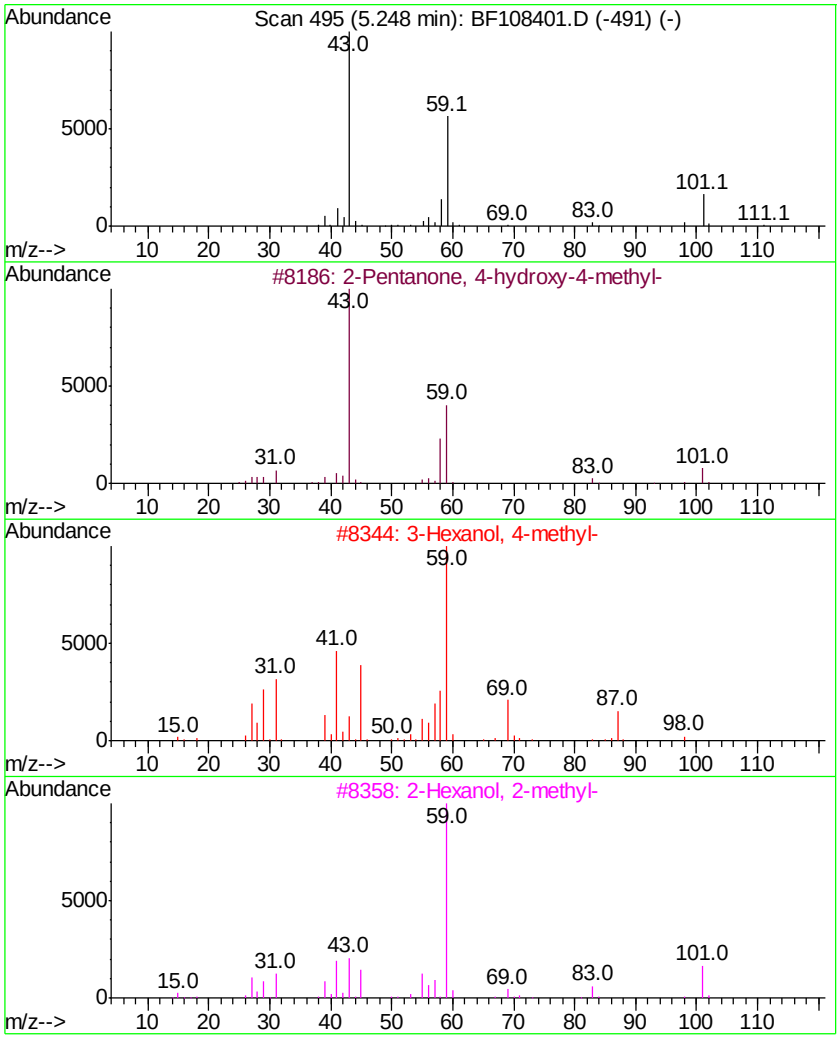
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

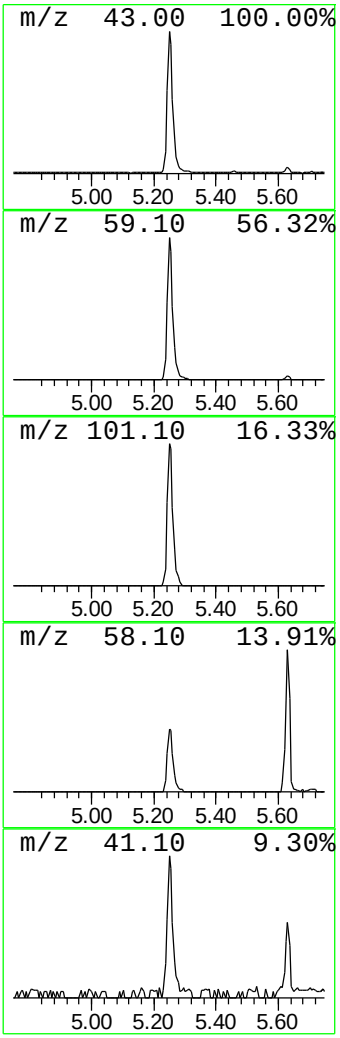
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	4.28 ng	220604	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17
5	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Library Search Compound Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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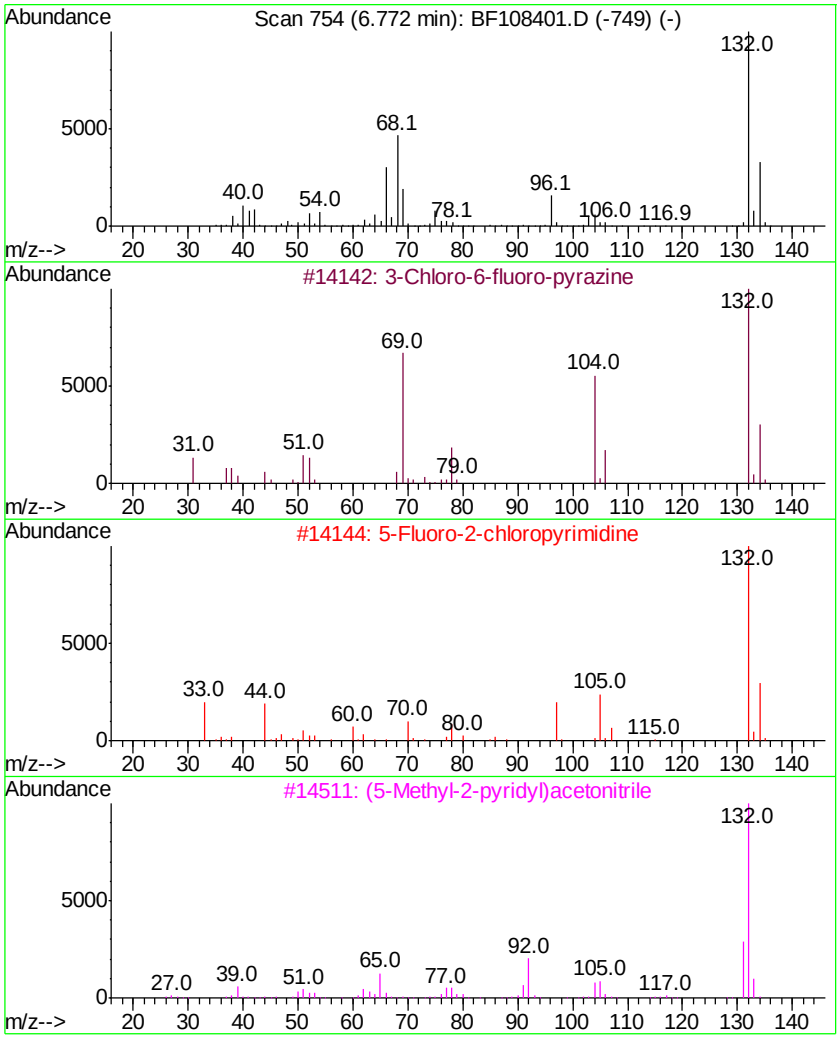
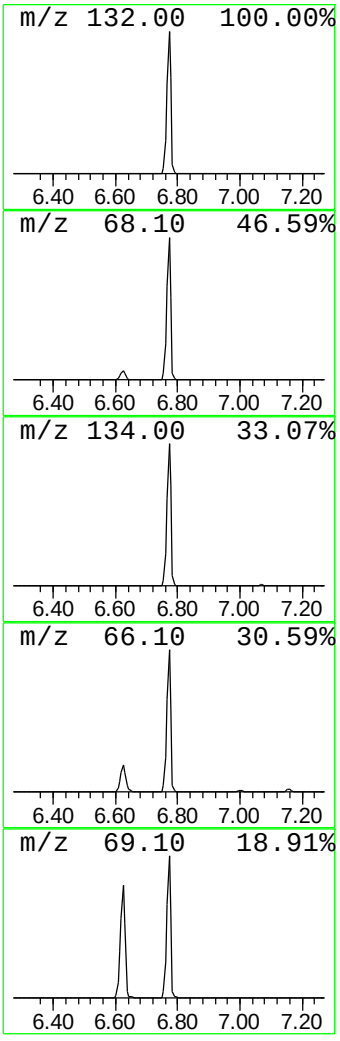
****

Peak Number 3 unknown6.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	65.72 ng	3385890	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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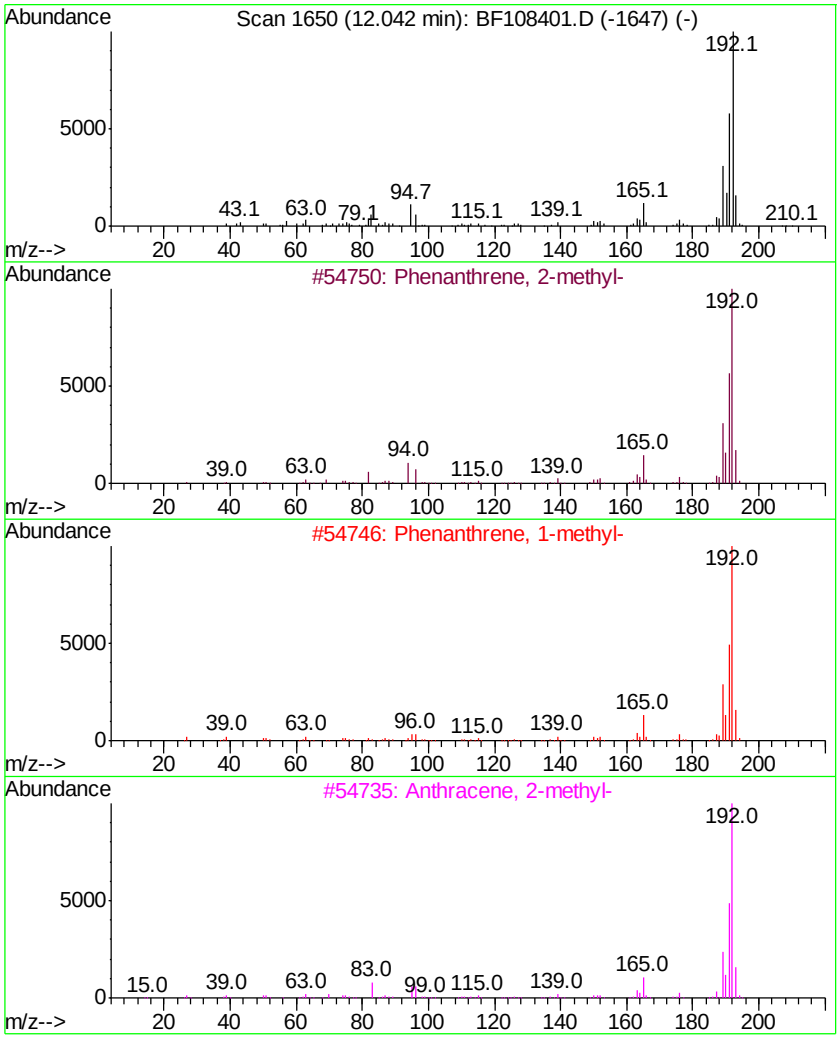
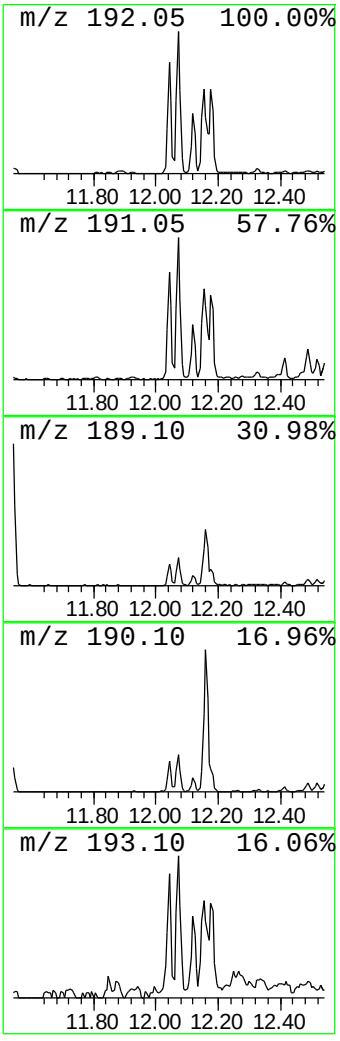
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.21 ng	135168	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-SOIL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

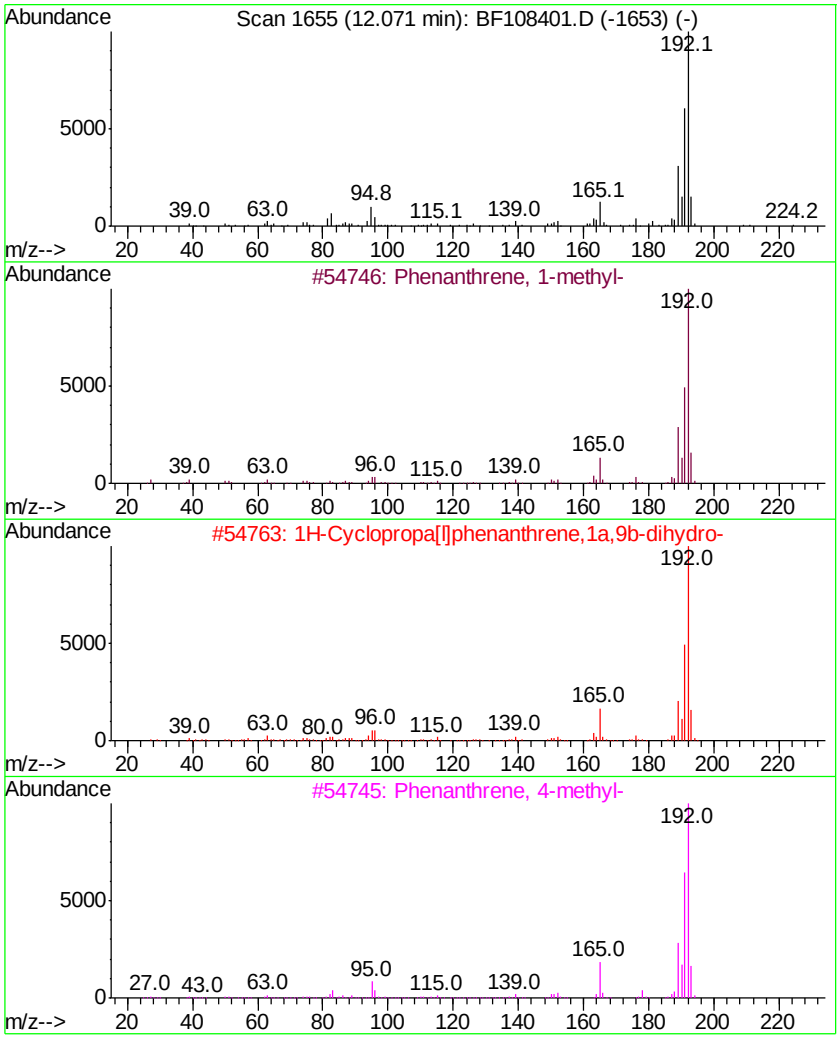
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

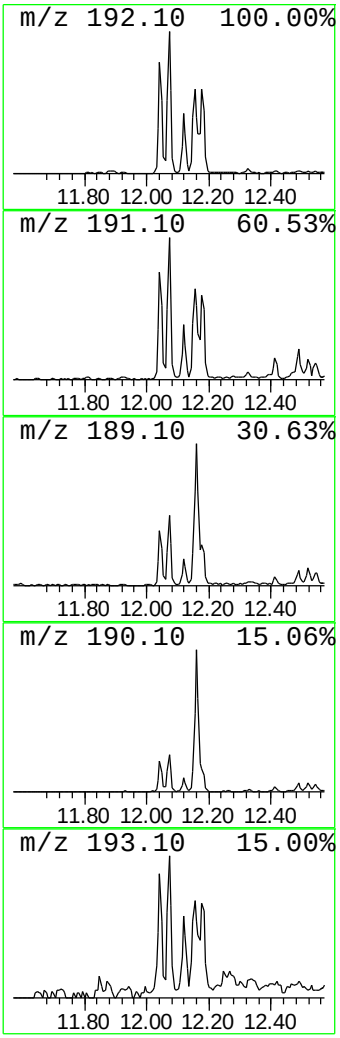
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.57 ng	157008	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : J4580-01
Misc :
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Instrument : BNA_F
ClientSampleId : RN-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

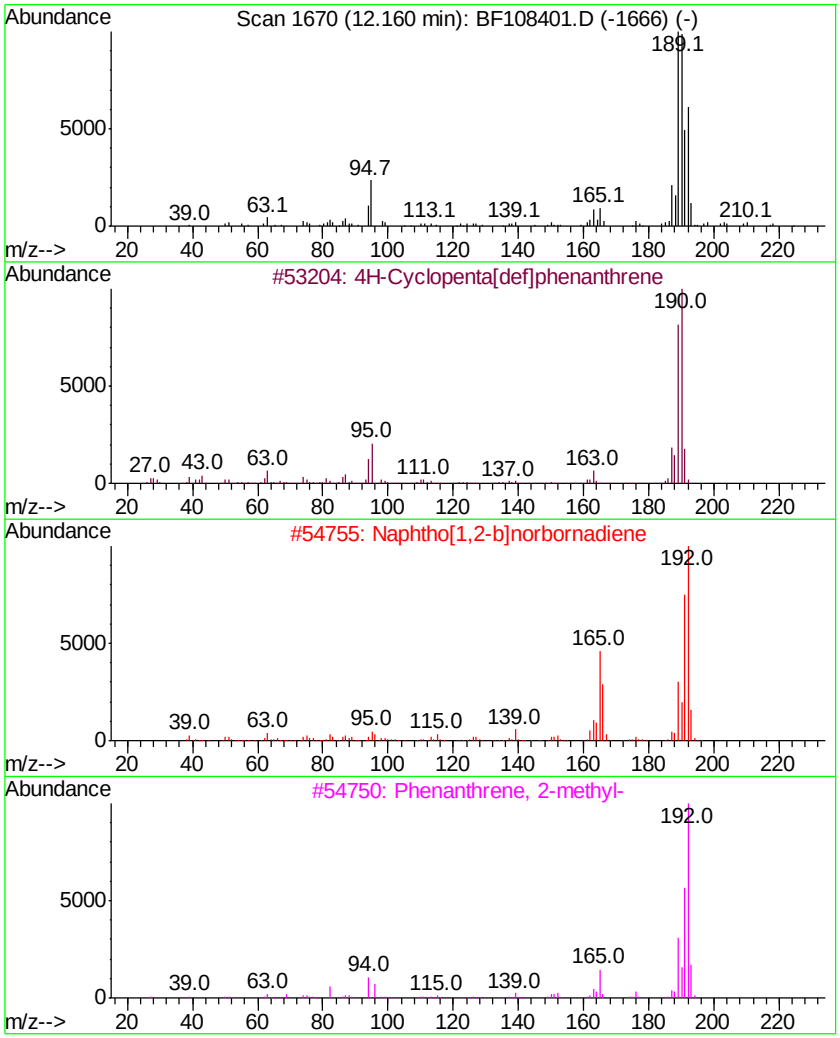
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

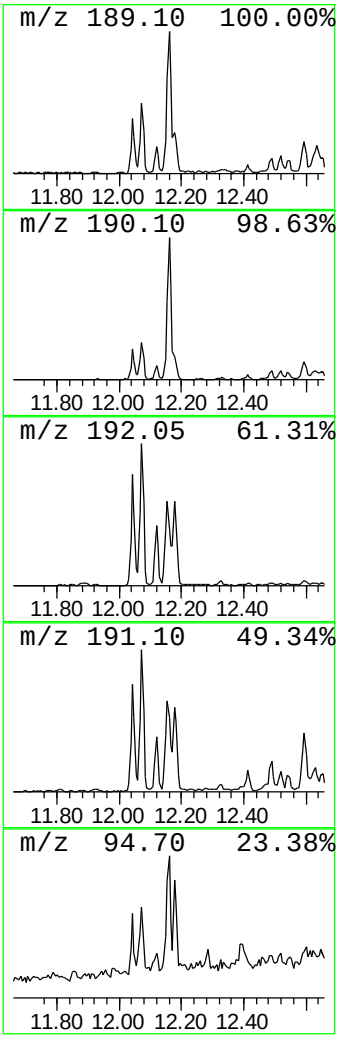
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.57 ng	217896	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	96
2	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	42
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
4	Methyl diselenide	190	C2H6Se2	007101-31-7	27
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





Library Search Compound Report

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Data File : BF108401.D
Acq On : 22 Aug 2018 23:27
Operator : JU/SJ
Sample : J4580-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

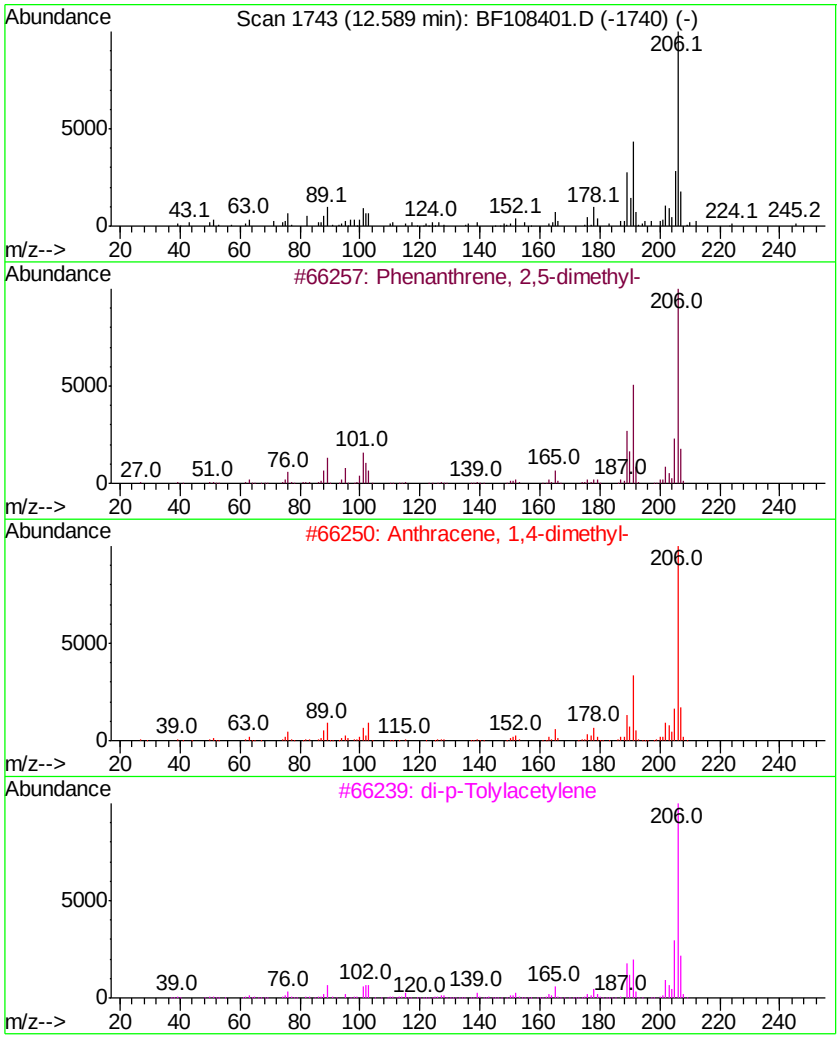
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

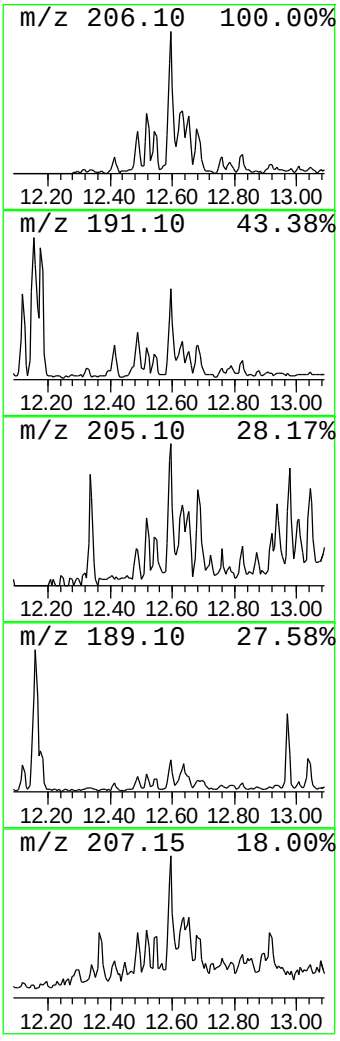
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.67 ng	163198	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108401.D
Acq On : 22 Aug 2018 23:27
Operator : JU/SJ
Sample : J4580-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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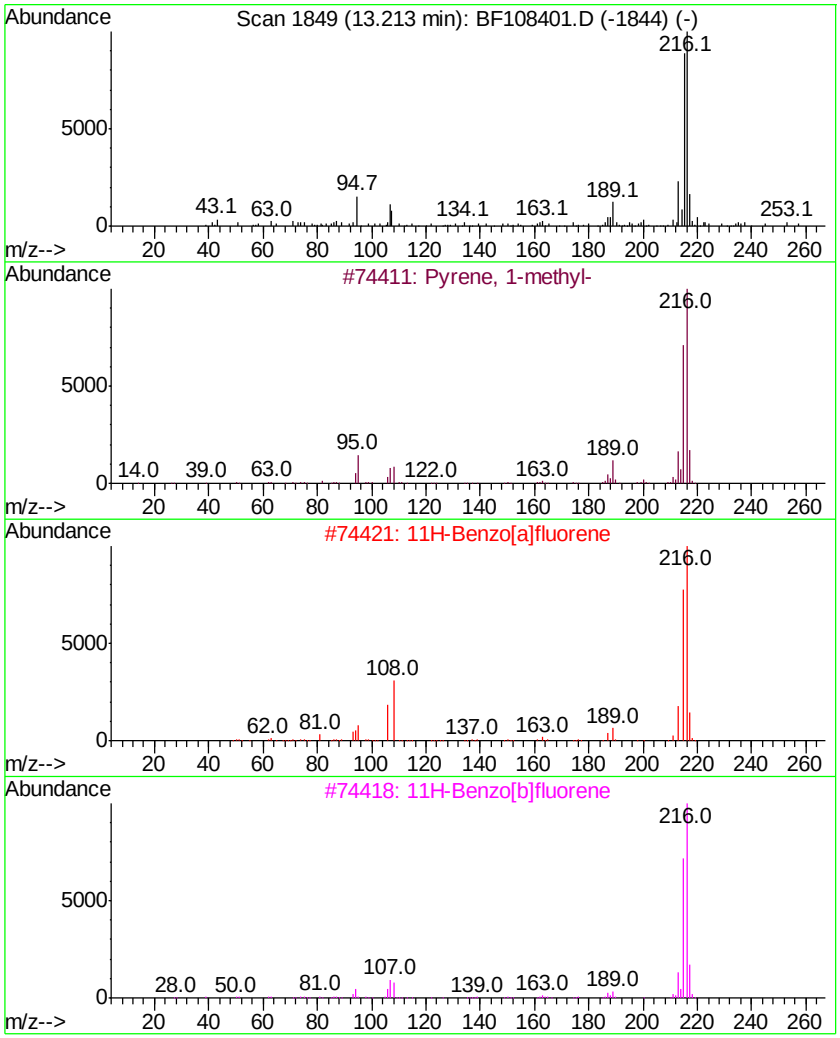
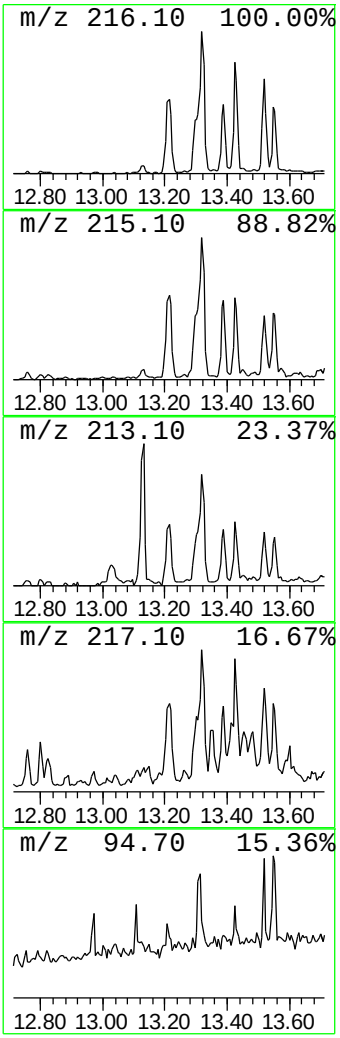
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.22 ng	179734	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Acq On : 22 Aug 2018 23:27
Operator : JU/SJ
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-SOIL

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TIC Integration Parameters: LSCINT.P

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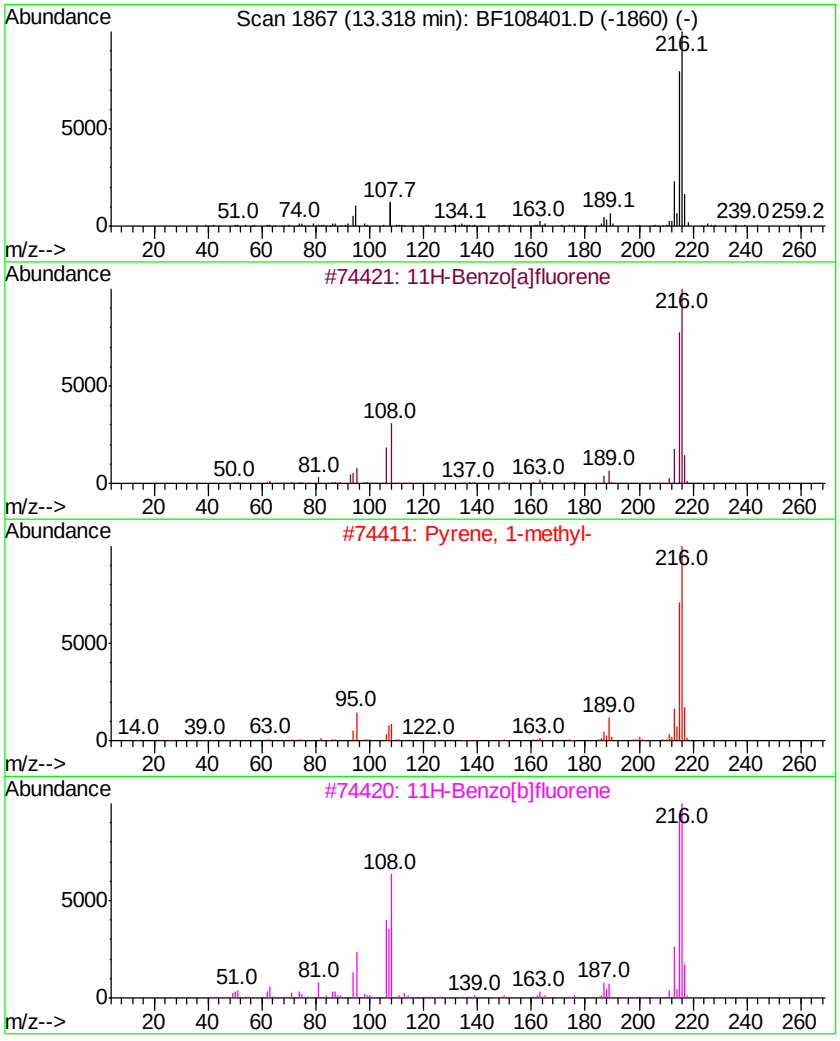
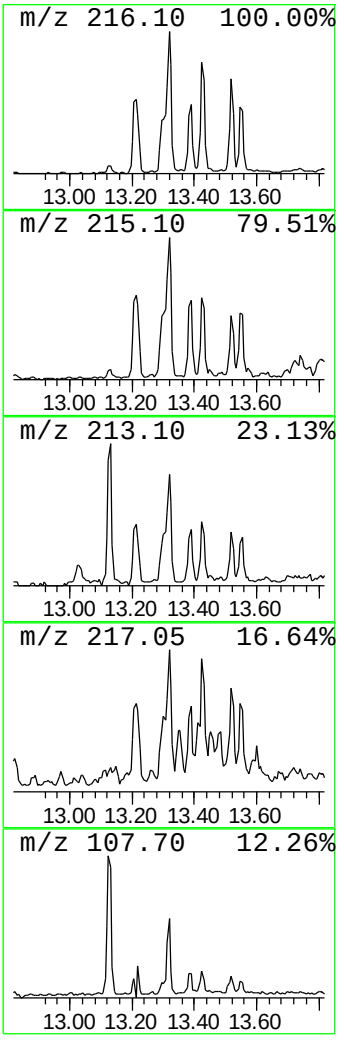
Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	3.42 ng	277193	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





Library Search Compound Report

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Data File : BF108401.D
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Operator : JU/SJ
Sample : J4580-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-SOIL

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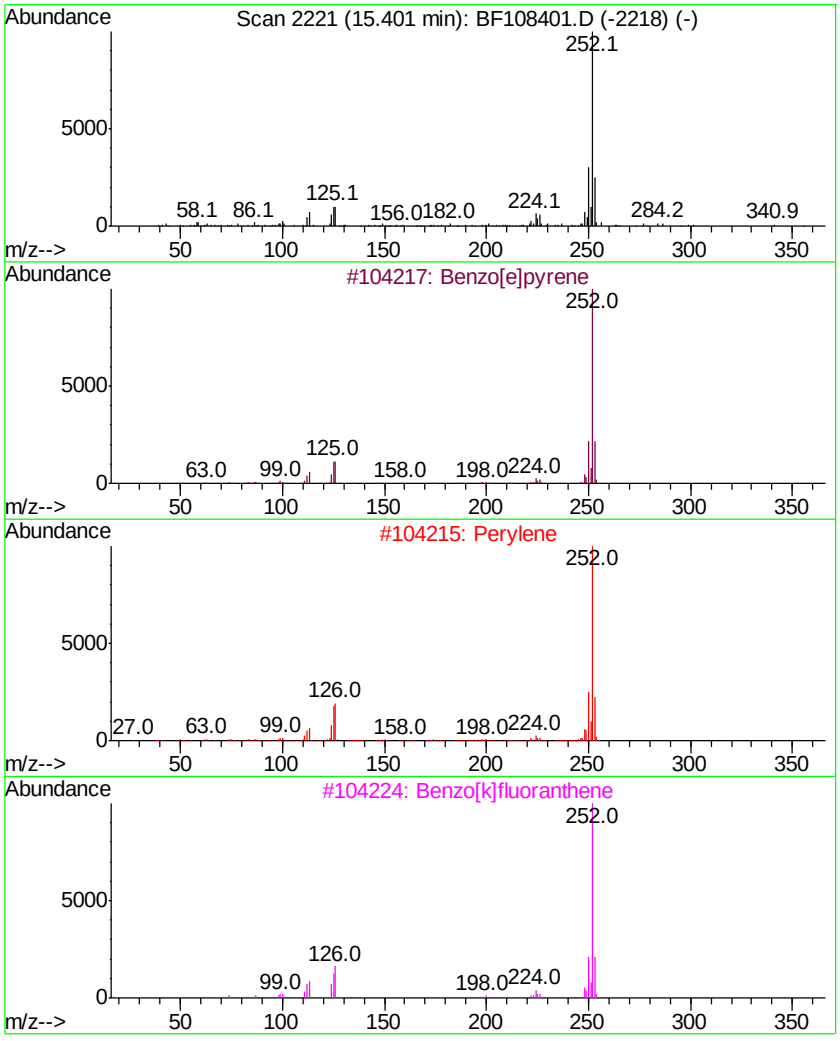
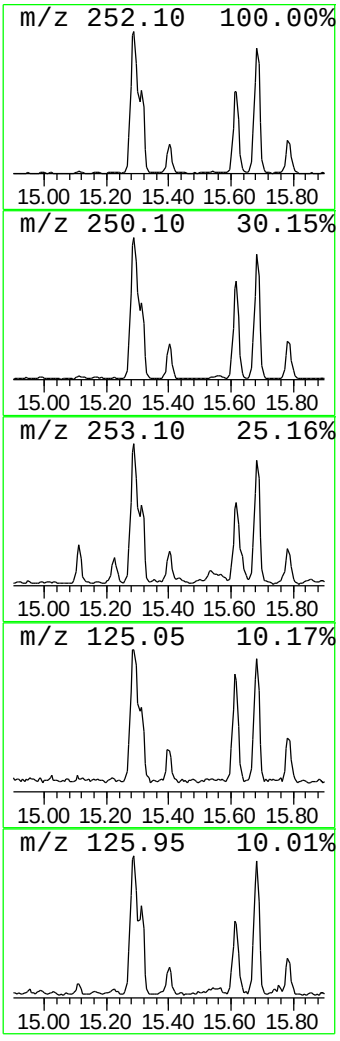
Peak Number 11 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	2.85 ng	122444	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Library Search Compound Report

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Operator : JU/SJ
Sample : J4580-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RN-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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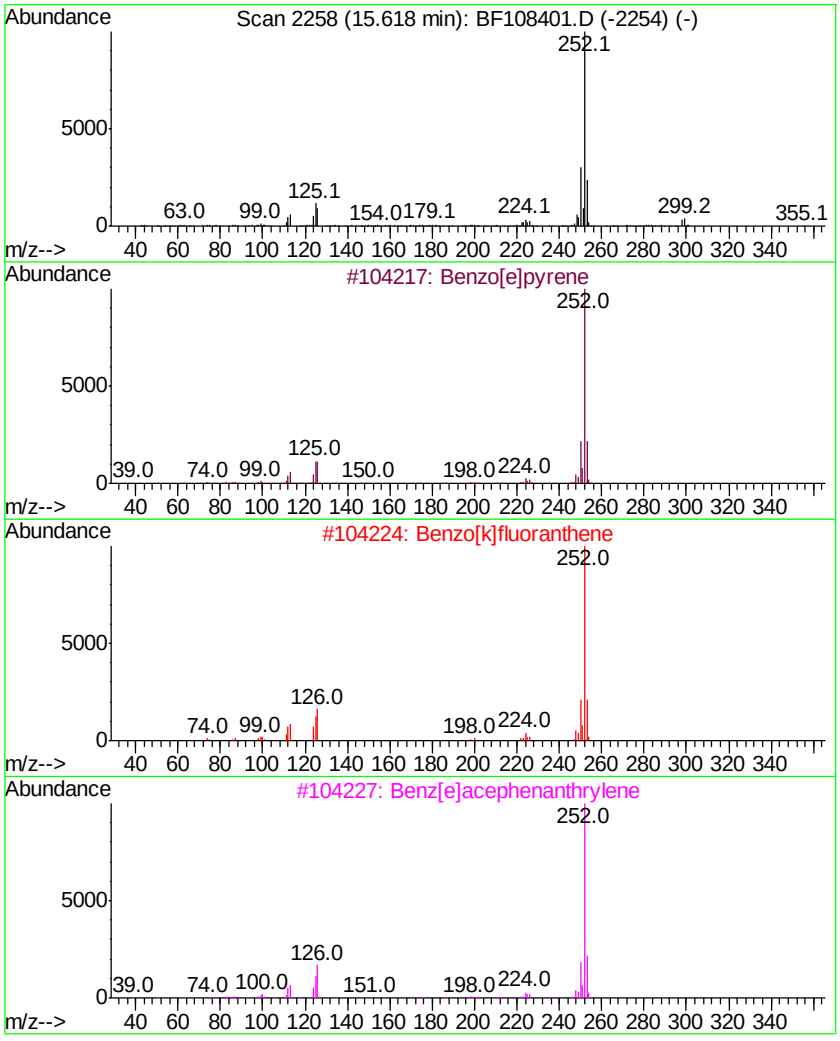
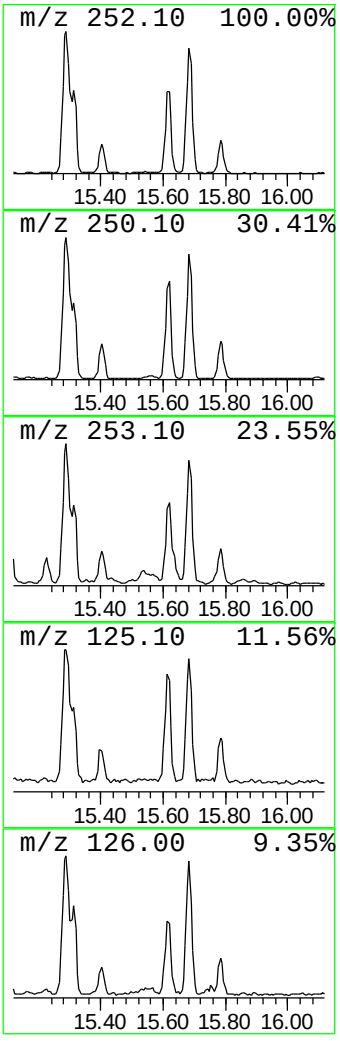
Peak Number 12 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	10.55 ng	452740	Perylene-d12	15.75

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	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

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Data File : BF108401.D
Acq On : 22 Aug 2018 23:27
Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : RN-SOIL

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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
Butane, 2-methoxy...	2.37	16.3	ng	838994	1	7.00	1030370	20.0
2-Pentanone, 4-hy...	5.25	4.3	ng	220604	1	7.00	1030370	20.0
unknown6.77	6.77	65.7	ng	3385890	1	7.00	1030370	20.0
Phenanthrene, 2-m...	12.04	2.2	ng	135168	4	11.54	1221340	20.0
Phenanthrene, 1-m...	12.07	2.6	ng	157008	4	11.54	1221340	20.0
4H-Cyclopenta[def...	12.16	3.6	ng	217896	4	11.54	1221340	20.0
Phenanthrene, 2,5...	12.59	2.7	ng	163198	4	11.54	1221340	20.0
Pyrene, 1-methyl-	13.21	2.2	ng	179734	5	14.19	1622160	20.0
11H-Benzo[a]fluorene	13.32	3.4	ng	277193	5	14.19	1622160	20.0
Benzo[e]pyrene	15.40	2.9	ng	122444	6	15.75	858322	20.0
Perylene	15.62	10.6	ng	452740	6	15.75	858322	20.0