LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108820.D
Acq On : 6 Sep 2018 12:31
Operator : JU/SJ
Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

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-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.931	438	441	450	rVB	118350	147426	4.02%	0.304%
2	5.348	507	512	515	rBV	3747976	3486395	94.95%	7.194%
3	6.366	680	685	688	rBV	3704505	3615103	98.45%	7.460%
4	6.501	704	708	712	rBV	3668347	3600069	98.05%	7.429%
5	6.566	716	719	726	rVB	101150	98438	2.68%	0.203%
6	6.737	744	748	752	rBV	1829667	1428424	38.90%	2.948%
7	6.895	771	775	778	rBV	3306855	2854746	77.75%	5.891%
8	7.295	838	843	846	rBV	2467984	2155243	58.70%	4.447%
9	8.019	962	966	968	rBV	2030245	1722193	46.90%	3.554%
10	8.037	968	969	972	rVB	278794	170703	4.65%	0.352%
11	8.731	1083	1087	1090	rBV	70320	61573	1.68%	0.127%
12	8.825	1100	1103	1107	rVB	68171	50235	1.37%	0.104%
13	9.095	1144	1149	1152	rBV	4132820	3671838	100.00%	7.577%
14	9.484	1212	1215	1218	rBV	1397659	1010033	27.51%	2.084%
15	9.766	1256	1263	1266	rBV	1872478	1586751	43.21%	3.274%
16	9.795	1266	1268	1271	rVB	247020	194018	5.28%	0.400%
17	9.966	1294	1297	1301	rBV	135864	112776	3.07%	0.233%
18	10.307	1352	1355	1358	rBV	155983	123894	3.37%	0.256%
19	10.548	1392	1396	1403	rBV	1970982	1762050	47.99%	3.636%
20	11.042	1478	1480	1486	rVB	103378	88934	2.42%	0.184%
21	11.136	1493	1496	1499	rVB	82467	67159	1.83%	0.139%
22	11.242	1510	1514	1516	rBV	1684522	1440609	39.23%	2.973%
23	11.266	1516	1518	1521	rVV	1607548	1172677	31.94%	2.420%
24	11.313	1521	1526	1529	rVB	200227	201228	5.48%	0.415%
25	11.466	1546	1552	1555	rBV2	204116	190398	5.19%	0.393%
26	11.742	1596	1599	1601	rBV	110046	85683	2.33%	0.177%
27	11.772	1601	1604	1609	rVV2	172204	257406	7.01%	0.531%
28	11.819	1609	1612	1615	rVV2	50739	62672	1.71%	0.129%
29	11.854	1615	1618	1620	rVV	200496	189724	5.17%	0.392%
30	11.878	1620	1622	1626	rVB	76253	62110	1.69%	0.128%
31	12.054	1646	1652	1656	rVB2	234654	265107	7.22%	0.547%
32	12.289	1688	1692	1696	rBV3	52881	84568	2.30%	0.175%
33	12.372	1703	1706	1711	rVB2	66565	78976	2.15%	0.163%
34	12.448	1715	1719	1723	rVB	1865581	1508601	41.09%	3.113%

LSC Area Percent Report

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Acq On : 6 Sep 2018 12:31
Operator : JU/SJ
Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

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-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.501	1723	1728	1733	rBV2	35538	60536	1.65%	0.125%
36	12.577	1737	1741	1743	rBV3	53189	80413	2.19%	0.166%
37	12.595	1743	1744	1749	rVB	50577	47879	1.30%	0.099%
38	12.672	1752	1757	1761	rBV	1347315	1523767	41.50%	3.144%
39	12.725	1763	1766	1772	rVB	67198	70005	1.91%	0.144%
40	12.795	1775	1778	1779	rBV	88701	71210	1.94%	0.147%
41	12.824	1779	1783	1786	rVB	3834348	3191670	86.92%	6.586%
42	12.895	1790	1795	1798	rBV3	81709	133888	3.65%	0.276%
43	12.977	1807	1809	1811	rBV2	61920	68412	1.86%	0.141%
44	13.001	1811	1813	1816	rVB	148409	131968	3.59%	0.272%
45	13.072	1822	1825	1827	rBV	89394	84056	2.29%	0.173%
46	13.107	1827	1831	1833	rBV2	131109	129124	3.52%	0.266%
47	13.195	1844	1846	1849	rVB	50546	44541	1.21%	0.092%
48	13.230	1849	1852	1857	rBV2	57526	65670	1.79%	0.136%
49	13.383	1874	1878	1879	rBV2	40612	50250	1.37%	0.104%
50	13.501	1895	1898	1904	rBV	142033	161809	4.41%	0.334%
51	13.619	1913	1918	1921	rBV2	130360	206113	5.61%	0.425%
52	13.648	1921	1923	1925	rBV	95155	83617	2.28%	0.173%
53	13.707	1931	1933	1935	rBV	146138	121591	3.31%	0.251%
54	13.730	1935	1937	1942	rVB2	138944	158698	4.32%	0.327%
55	13.866	1955	1960	1963	rBV2	2020450	2435445	66.33%	5.026%
56	13.895	1963	1965	1971	rVB	674775	608875	16.58%	1.256%
57	13.971	1975	1978	1981	rBV	127499	108221	2.95%	0.223%
58	14.054	1989	1992	1994	rBV2	83092	79191	2.16%	0.163%
59	14.083	1995	1997	2002	rVB2	106742	106942	2.91%	0.221%
60	14.254	2023	2026	2029	rVV	92726	87782	2.39%	0.181%
61	14.289	2029	2032	2036	rVB	104578	92898	2.53%	0.192%
62	14.660	2092	2095	2099	rVB2	73440	76633	2.09%	0.158%
63	14.724	2103	2106	2112	rVB	510141	525629	14.32%	1.085%
64	14.877	2127	2132	2135	rBV	577308	905948	24.67%	1.869%
65	14.977	2146	2149	2155	rVB	191965	204540	5.57%	0.422%
66	15.160	2176	2180	2185	rVB	297187	374109	10.19%	0.772%
67	15.213	2185	2189	2195	rVV	469210	525713	14.32%	1.085%
68	15.277	2195	2200	2203	rVV	1125660	1371489	37.35%	2.830%
69	15.330	2207	2209	2215	rVB2	105429	128816	3.51%	0.266%
70	16.624	2424	2429	2436	rVB2	179317	345589	9.41%	0.713%
71	17.024	2493	2497	2515	rVB	152721	389479	10.61%	0.804%

LSC Area Percent Report

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Acq On : 6 Sep 2018 12:31
Operator : JU/SJ
Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-SUT-UST-11

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 48460276

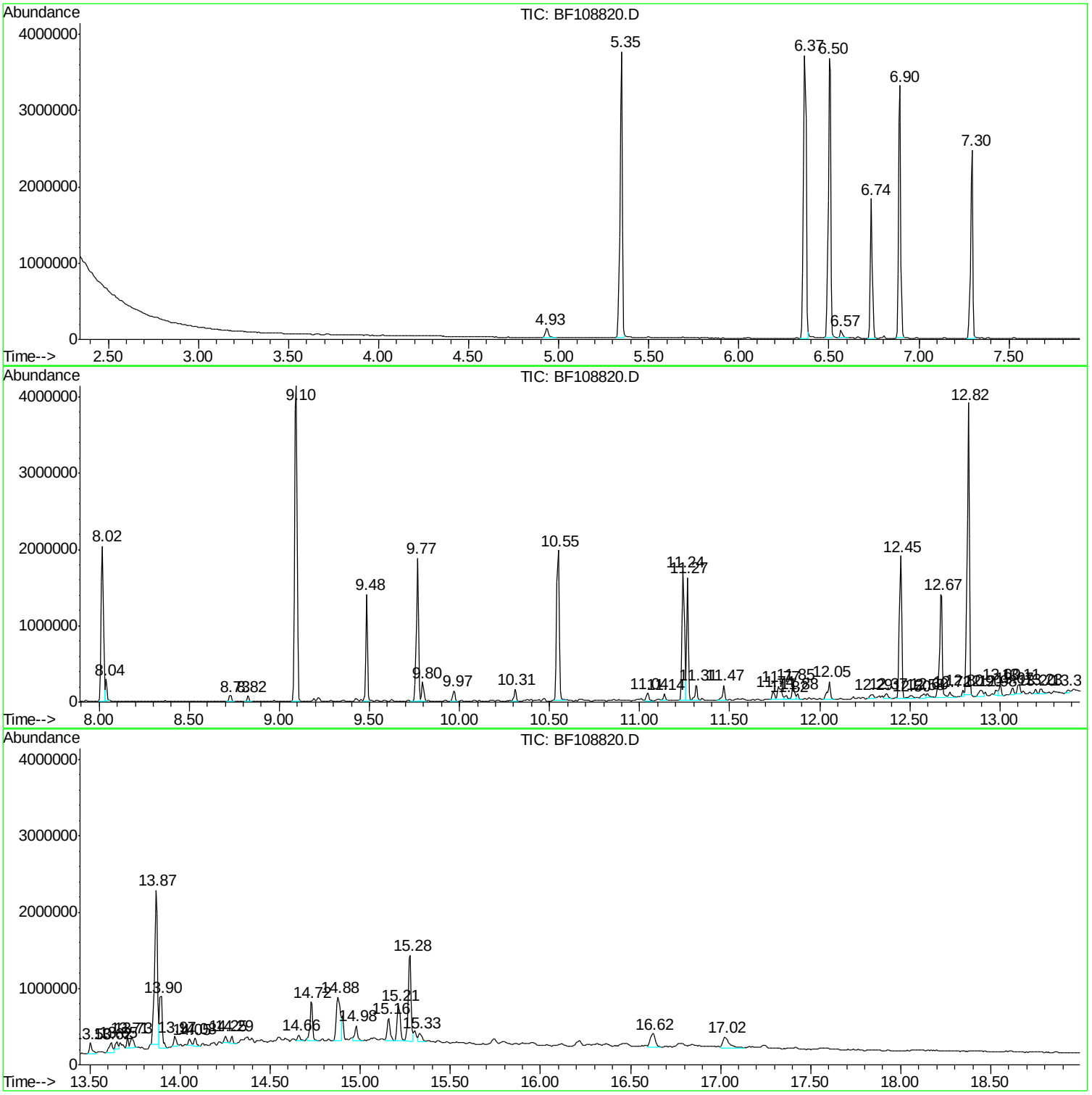
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108820.D
Acq On : 6 Sep 2018 12:31
Operator : JU/SJ
Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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\BF090518\
Data File : BF108820.D
Acq On : 6 Sep 2018 12:31
Operator : JU/SJ
Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

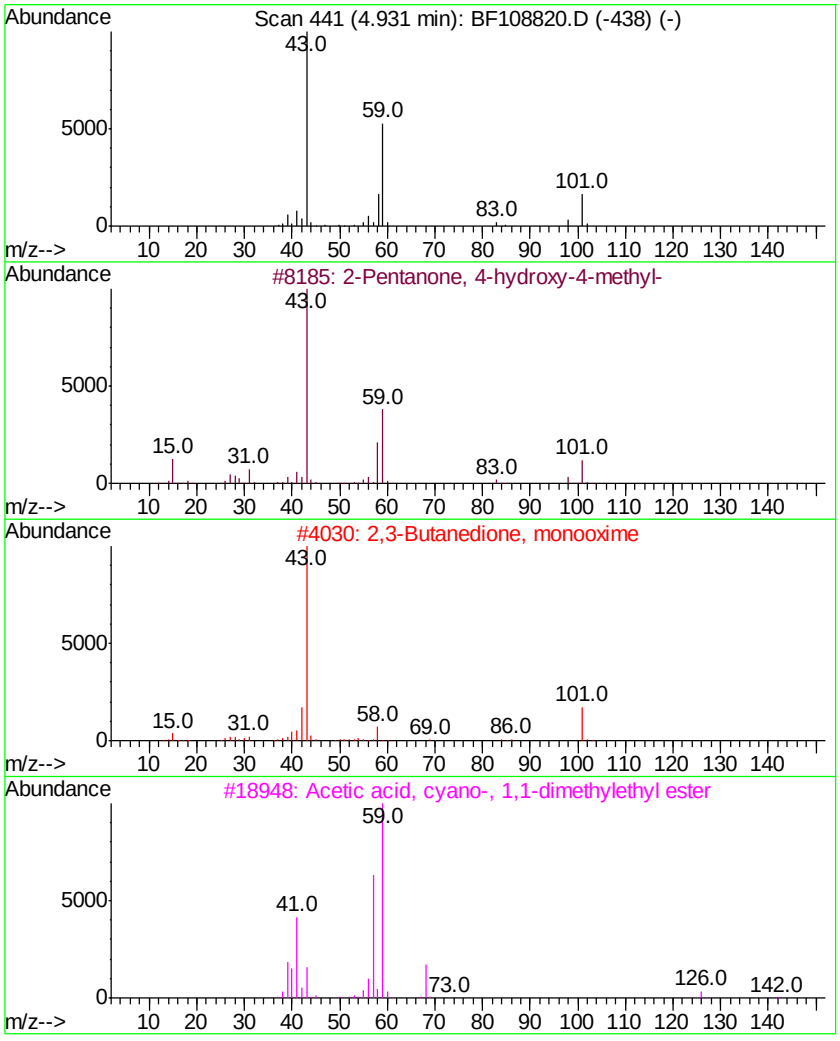
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

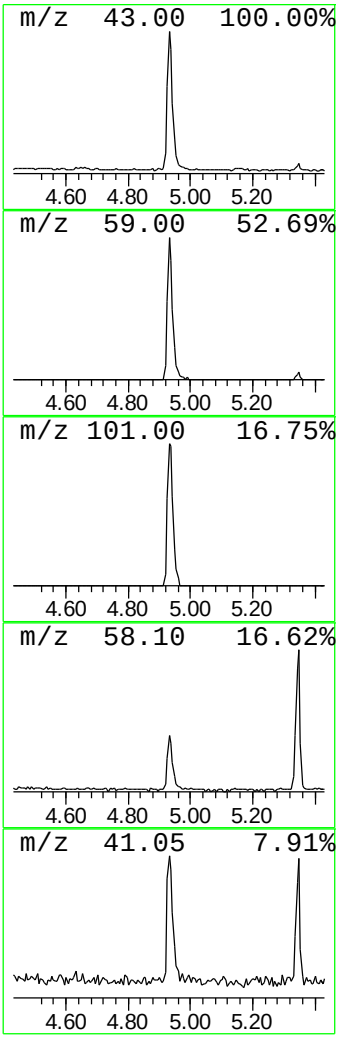
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	2.06 ng	147426	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108820.D
Acq On : 6 Sep 2018 12:31
Operator : JU/SJ
Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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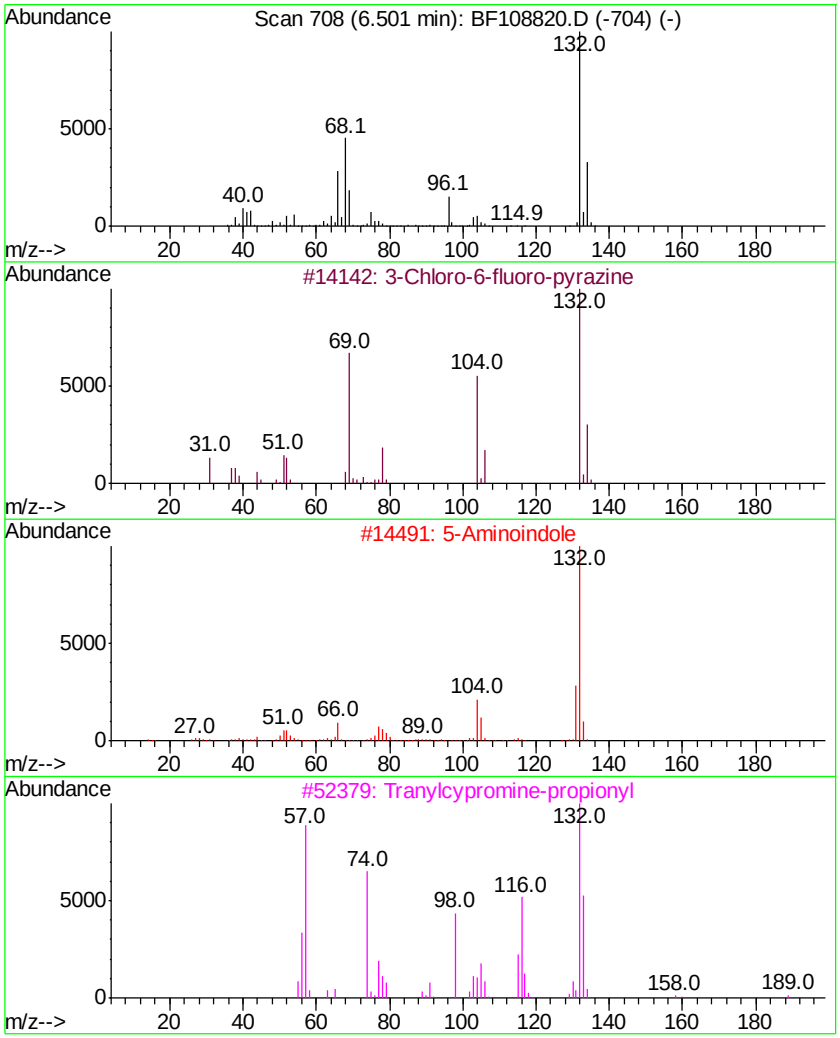
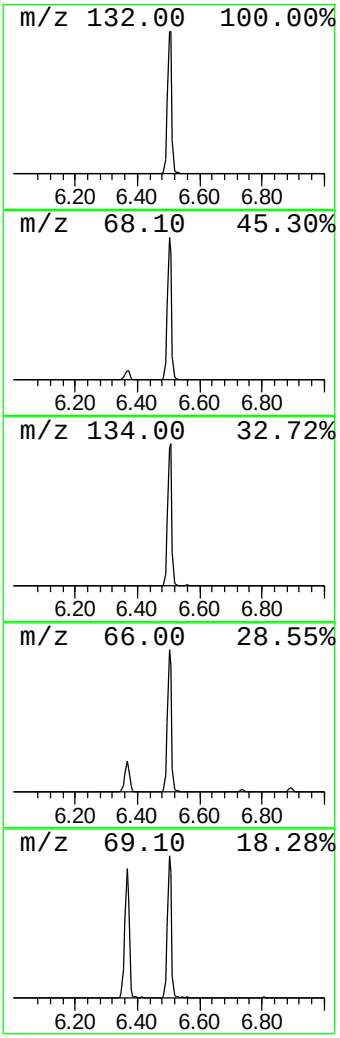
****

Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	50.41 ng	3600070	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108820.D
Acq On : 6 Sep 2018 12:31
Operator : JU/SJ
Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

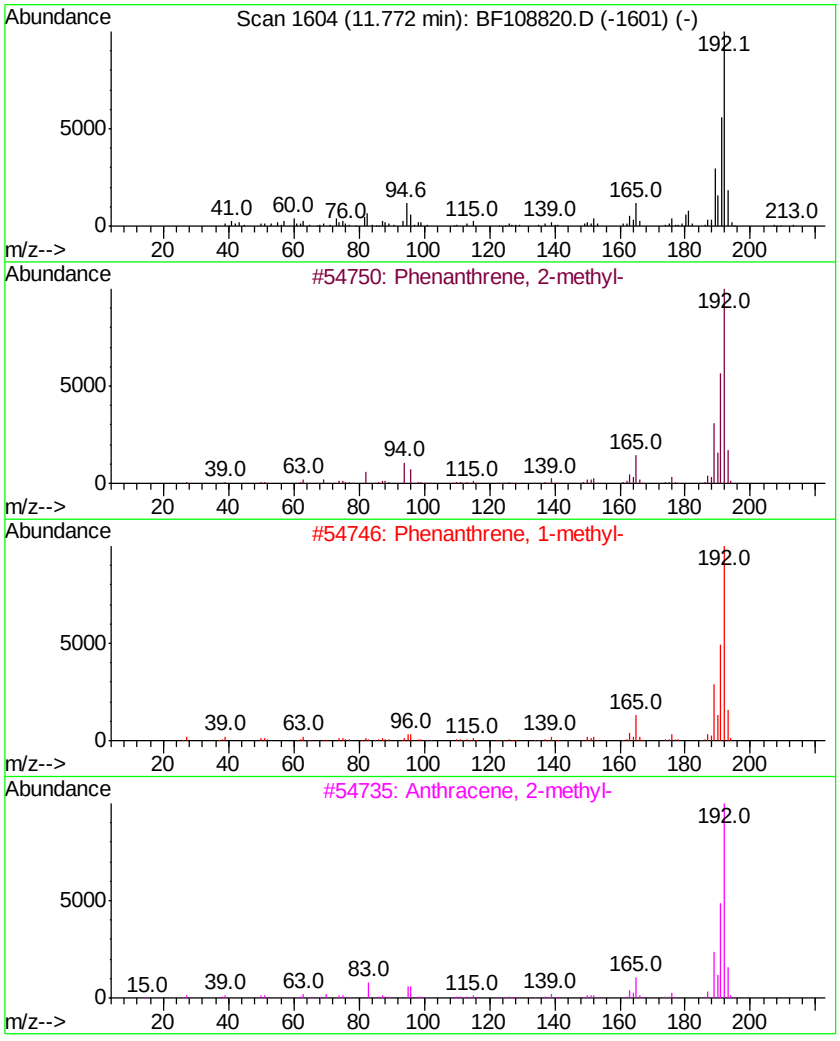
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

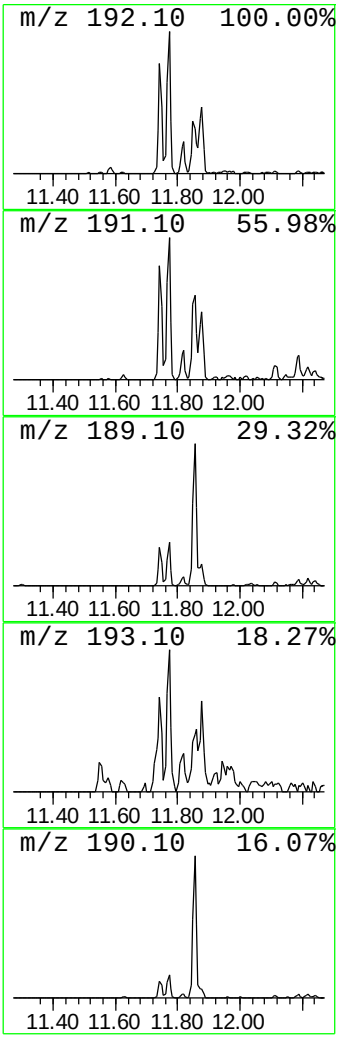
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.57 ng	257406	Phenanthrene-d10	11.24

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
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TIC Library : C:\DATABASE\NIST11.L
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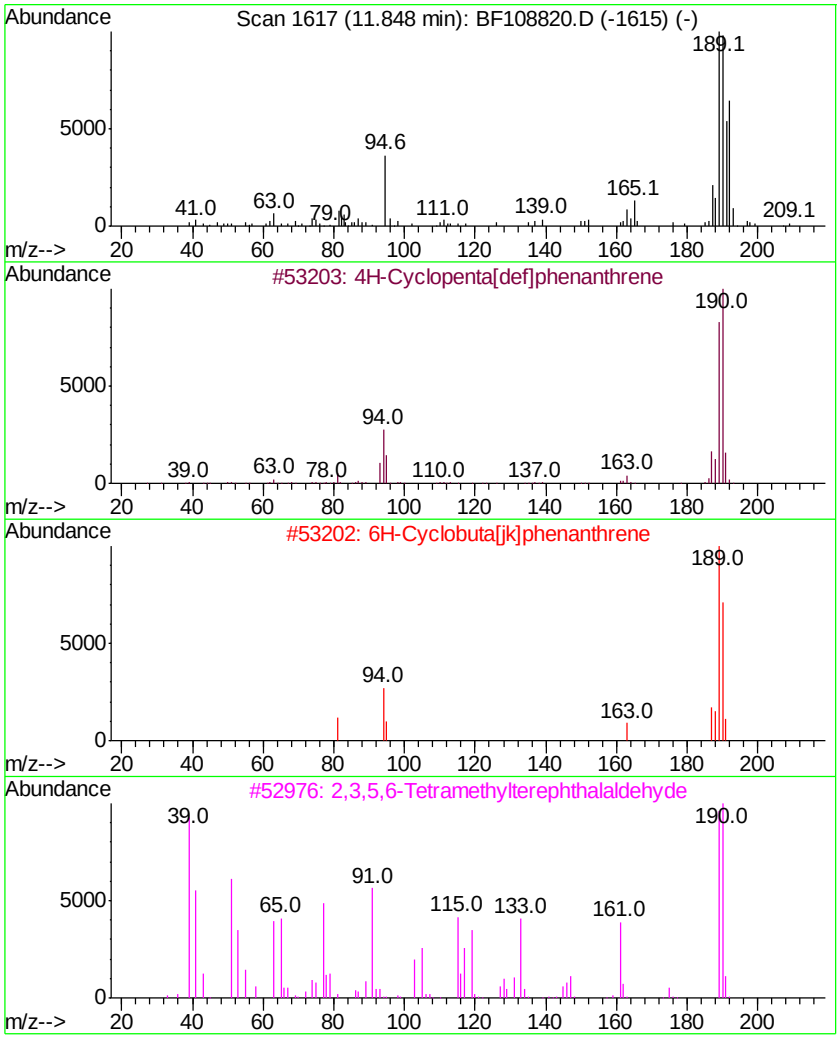
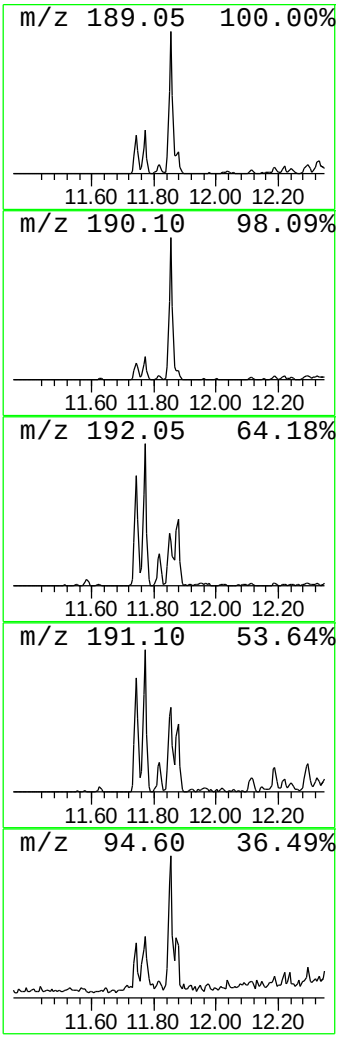
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.63 ng	189724	Phenanthrene-d10	11.24

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	40
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4OS2	038362-25-3	14





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Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
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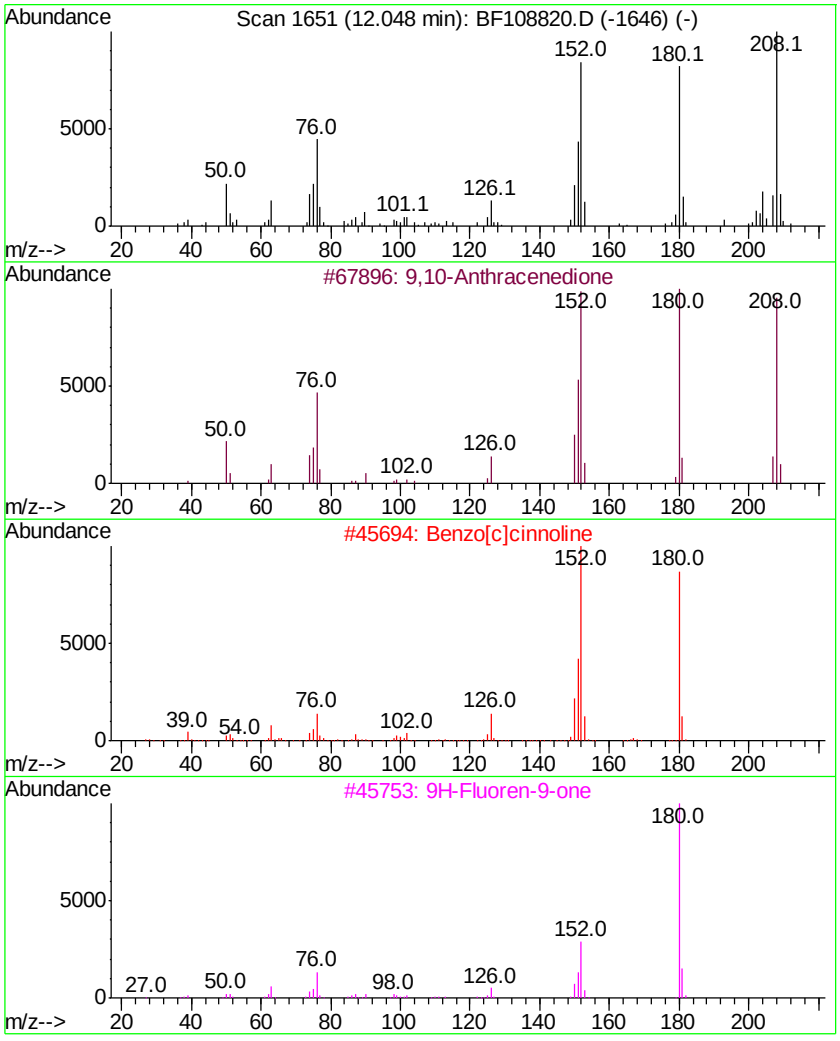
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

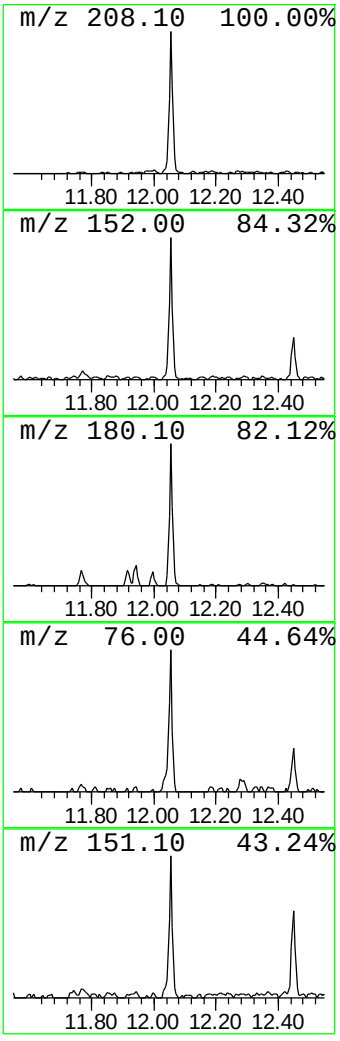
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.68 ng	265107	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





Library Search Compound Report

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Data File : BF108820.D
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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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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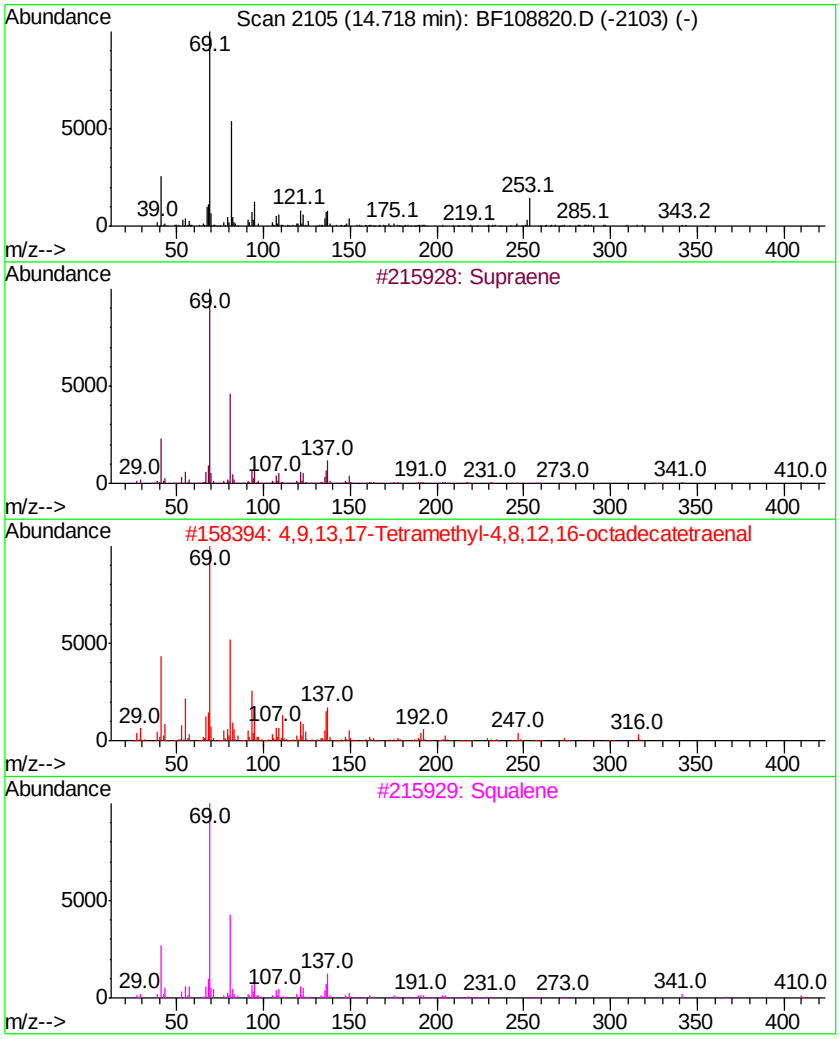
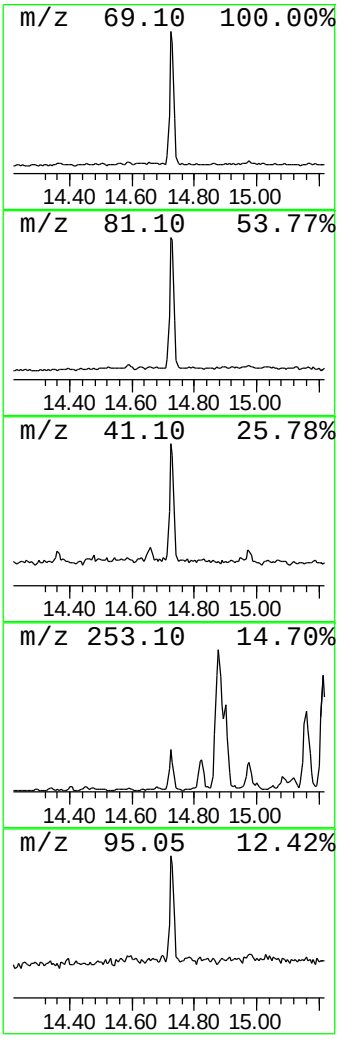
Peak Number 7 Supraene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	7.67 ng	525629	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	87
2	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	72
3	Squalene	410	C30H50	000111-02-4	64
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	59





Library Search Compound Report

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Data File : BF108820.D
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Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

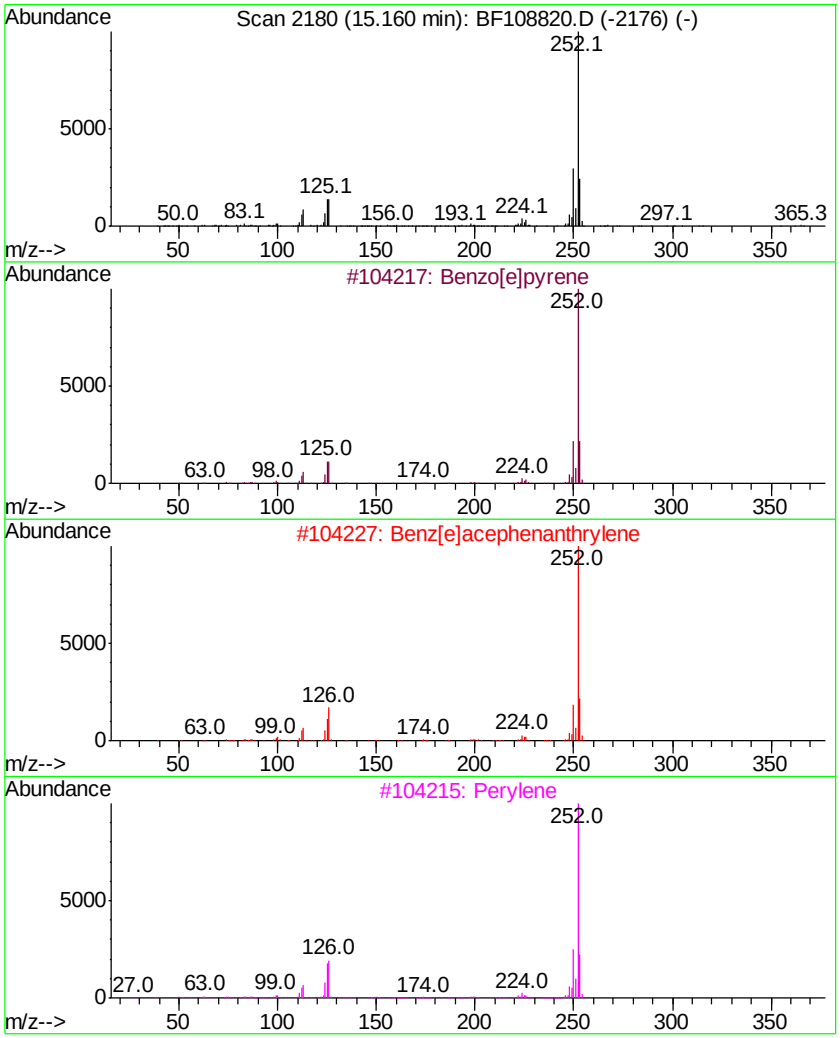
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

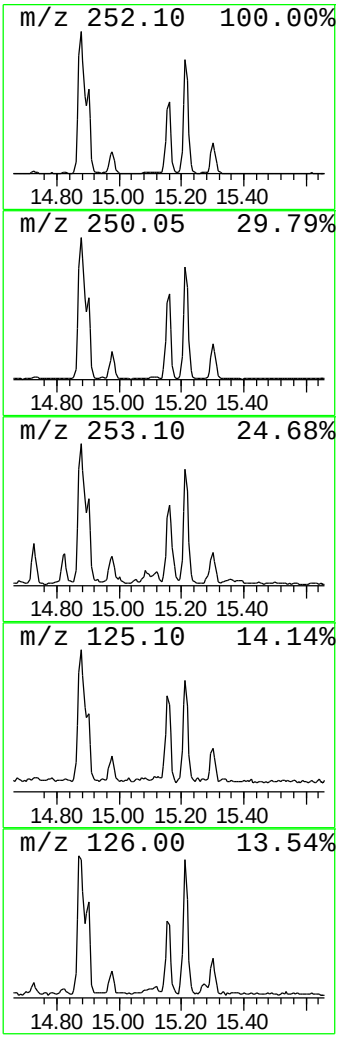
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	5.46 ng	374109	Perylene-d12	15.28

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090518\
Data File : BF108820.D
Acq On : 6 Sep 2018 12:31
Operator : JU/SJ
Sample : J4724-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-SUT-UST-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.93	2.1	ng	147426	1	6.74	1428420	20.0
unknown6.50	6.50	50.4	ng	3600070	1	6.74	1428420	20.0
Phenanthrene, 2-m...	11.77	3.6	ng	257406	4	11.24	1440610	20.0
4H-Cyclopenta[def...	11.85	2.6	ng	189724	4	11.24	1440610	20.0
9,10-Anthracenedione	12.05	3.7	ng	265107	4	11.24	1440610	20.0
Supraene	14.72	7.7	ng	525629	6	15.28	1371490	20.0
Benzo[e]pyrene	15.16	5.5	ng	374109	6	15.28	1371490	20.0