LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

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-BF083018.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	5.660	559	565	566	rBV3	6593	10906	1.26%	0.132%
2	6.654	729	734	738	rBV2	23294	51454	5.93%	0.620%
3	6.772	750	754	767	rBV2	59470	172433	19.86%	2.079%
4	6.995	787	792	807	rBV	135402	325832	37.53%	3.929%
5	7.143	814	817	832	rVB	116542	186739	21.51%	2.252%
6	7.584	884	892	893	rBV3	20388	41000	4.72%	0.494%
7	8.231	998	1002	1005	rBV2	8766	9899	1.14%	0.119%
8	8.272	1006	1009	1029	rBV	235954	437436	50.39%	5.275%
9	8.836	1101	1105	1109	rVB	12466	11522	1.33%	0.139%
10	9.342	1188	1191	1199	rBV	162647	246936	28.44%	2.978%
11	9.401	1199	1201	1206	rVB	19345	26185	3.02%	0.316%
12	9.736	1253	1258	1264	rVB	38318	54045	6.23%	0.652%
13	9.901	1280	1286	1289	rBV3	5889	10095	1.16%	0.122%
14	9.931	1289	1291	1297	rVB	15477	16565	1.91%	0.200%
15	10.031	1304	1308	1312	rBV	395625	418316	48.19%	5.044%
16	10.431	1373	1376	1381	rBV	17423	19973	2.30%	0.241%
17	10.595	1397	1404	1408	rBV2	13053	24217	2.79%	0.292%
18	10.654	1411	1414	1417	rVB4	8413	9698	1.12%	0.117%
19	10.783	1433	1436	1440	rVB2	8237	8873	1.02%	0.107%
20	10.831	1440	1444	1455	rBV2	81502	165513	19.07%	1.996%
21	10.919	1455	1459	1466	rVB5	18810	34324	3.95%	0.414%
22	11.354	1531	1533	1537	rBV4	10834	14602	1.68%	0.176%
23	11.383	1537	1538	1543	rVB3	13306	11534	1.33%	0.139%
24	11.430	1543	1546	1554	rVB4	8499	17427	2.01%	0.210%
25	11.530	1559	1563	1565	rBV	351086	391431	45.09%	4.720%
26	11.554	1565	1567	1574	rVV	251517	377808	43.52%	4.556%
27	11.613	1574	1577	1587	rVB	48111	101495	11.69%	1.224%
28	11.783	1603	1606	1609	rBV5	13701	15515	1.79%	0.187%
29	12.030	1645	1648	1651	rBV	34211	48957	5.64%	0.590%
30	12.066	1651	1654	1659	rVV	38685	56811	6.54%	0.685%
31	12.113	1659	1662	1664	rVV4	10926	10719	1.23%	0.129%
32	12.148	1664	1668	1674	rBV2	45356	87397	10.07%	1.054%
33	12.330	1696	1699	1703	rBV	19598	30353	3.50%	0.366%
34	12.583	1738	1742	1746	rBV	38791	57871	6.67%	0.698%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

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-BF083018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.683	1754	1759	1764	rBV6	22582	39602	4.56%	0.478%
36	12.748	1767	1770	1786	rBV	356698	556652	64.12%	6.712%
37	12.983	1803	1810	1816	rBV	374249	592291	68.23%	7.142%
38	13.113	1828	1832	1841	rBV	319500	420678	48.46%	5.073%
39	13.313	1863	1866	1872	rVB	49790	59838	6.89%	0.722%
40	13.377	1875	1877	1879	rBV2	28889	29037	3.34%	0.350%
41	13.507	1897	1899	1902	rBV	29858	38785	4.47%	0.468%
42	13.936	1970	1972	1974	rBV	37474	35572	4.10%	0.429%
43	13.983	1978	1980	1983	rBV2	33990	43433	5.00%	0.524%
44	14.124	2002	2004	2007	rVB	48914	38256	4.41%	0.461%
45	14.183	2009	2014	2017	rBV2	606423	868133	100.00%	10.468%
46	14.607	2084	2086	2090	rVB	79397	67804	7.81%	0.818%
47	14.930	2138	2141	2146	rVB	120900	129118	14.87%	1.557%
48	15.289	2196	2202	2211	rVB2	263082	513509	59.15%	6.192%
49	15.695	2264	2271	2275	rBV2	235219	444327	51.18%	5.358%
50	15.742	2275	2279	2292	rVB2	254237	516066	59.45%	6.223%
51	16.160	2347	2350	2359	rVB	171624	275345	31.72%	3.320%
52	16.712	2440	2444	2450	rVB	75364	120538	13.88%	1.454%

Sum of corrected areas: 8292865

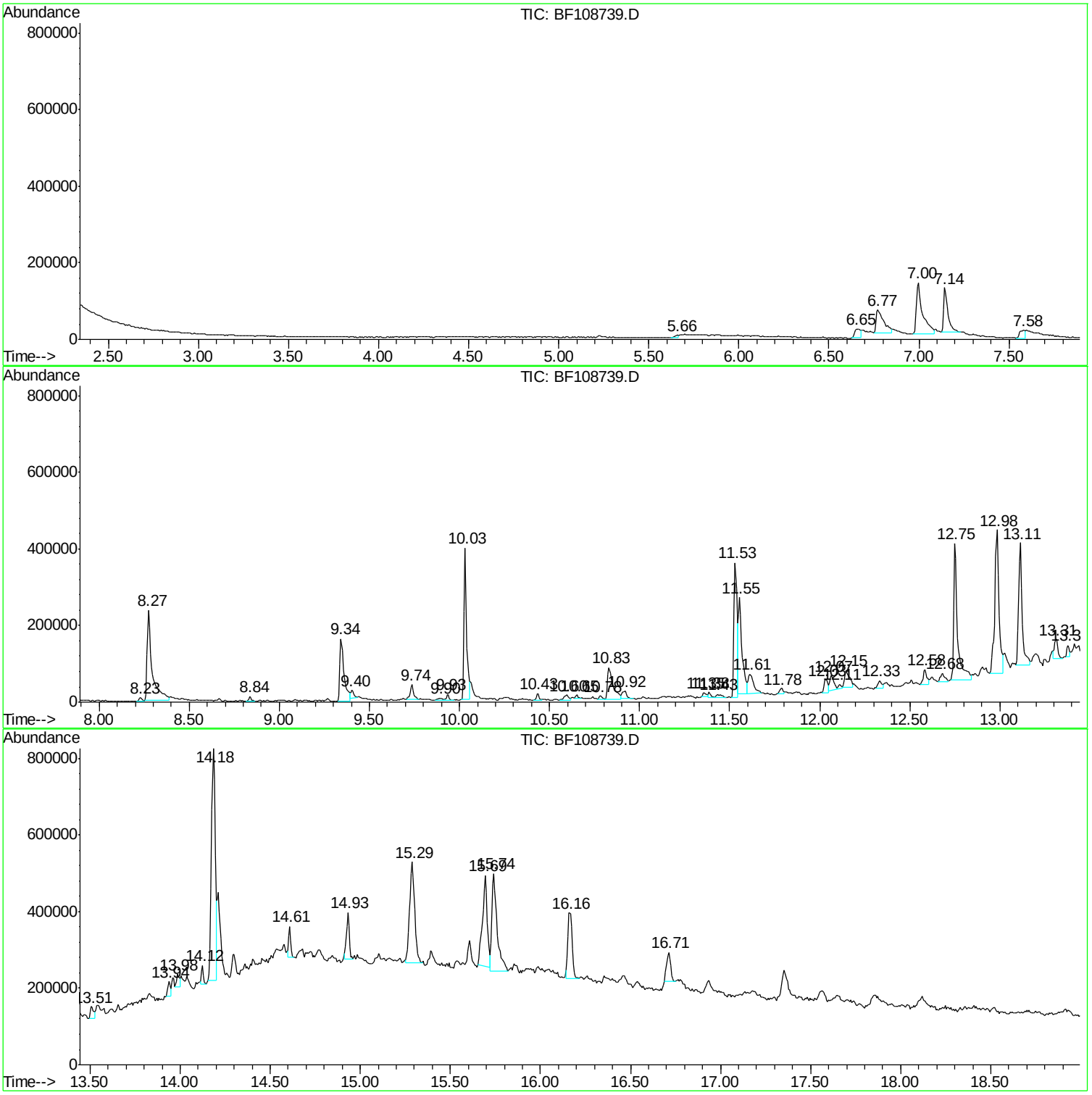
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

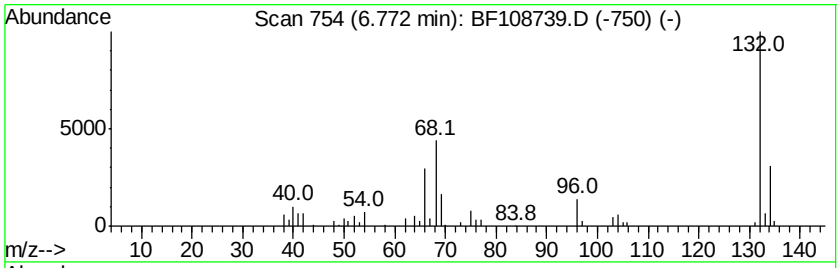
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

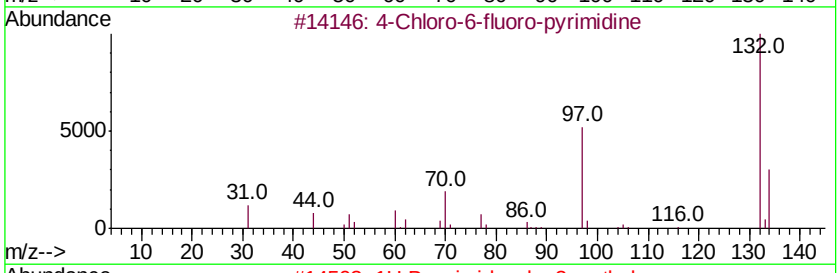
****

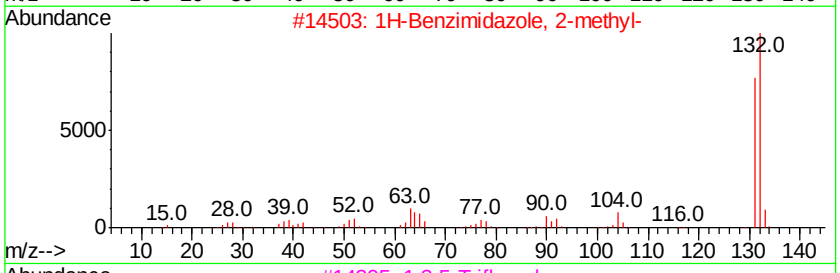
Peak Number 1 unknown6.77 Concentration Rank 3

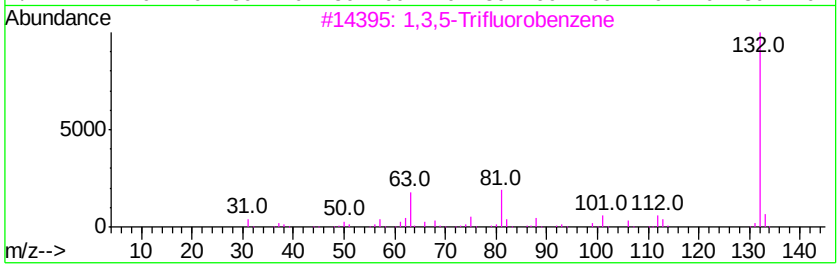
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	10.58 ng	172433	1,4-Dichlorobenzene-d4	7.00

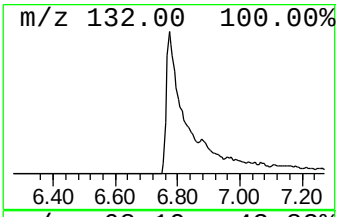
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	14
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	9

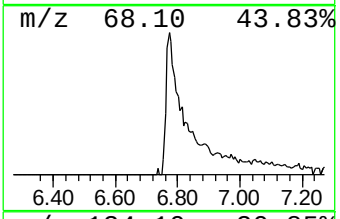


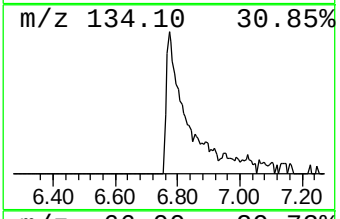


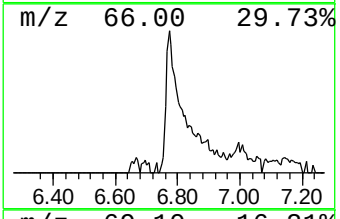


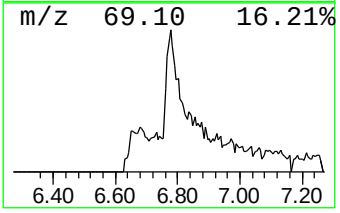












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

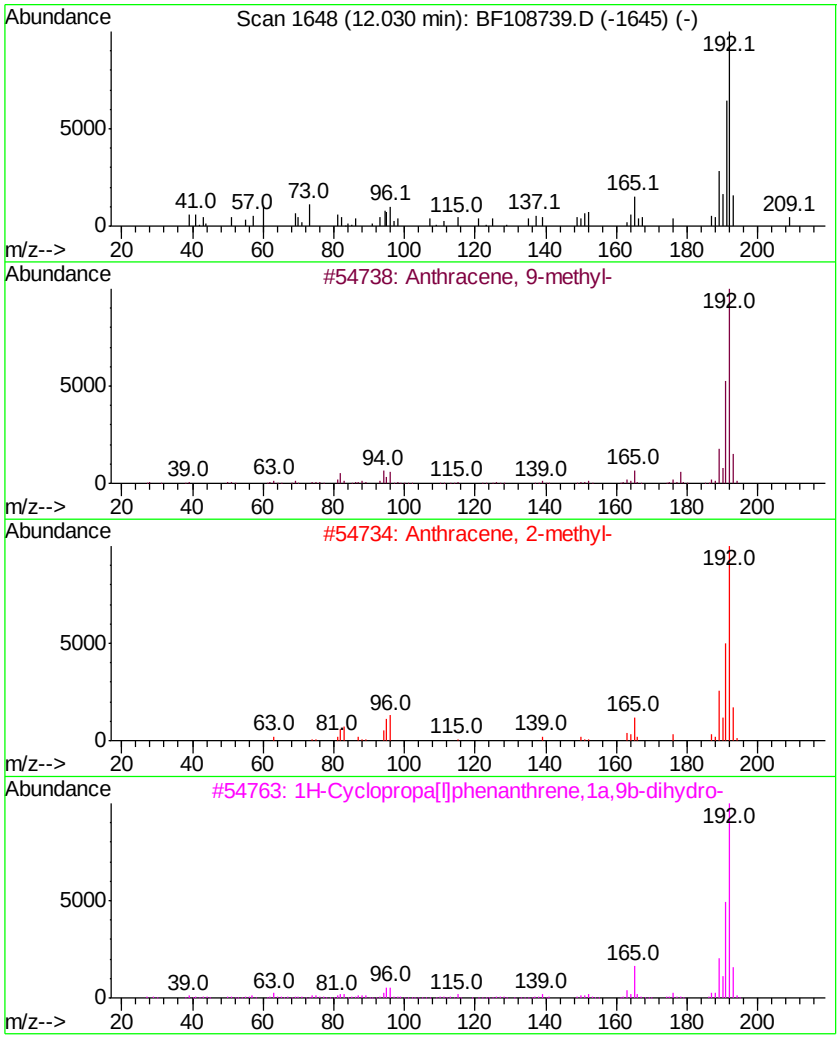
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

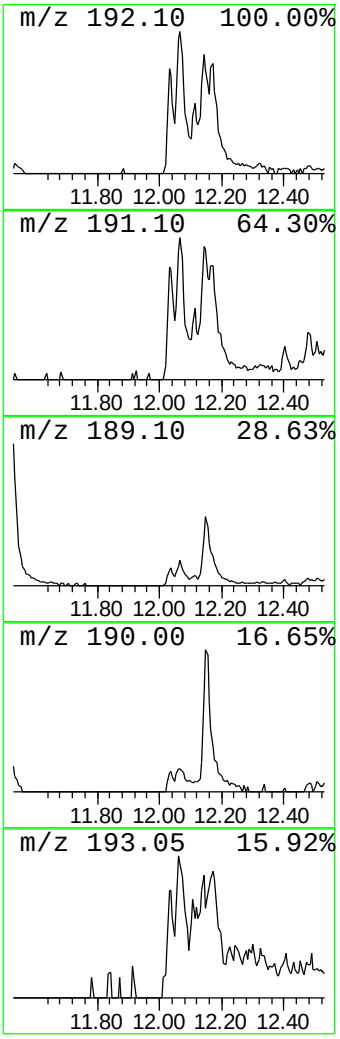
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.50 ng	48957	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

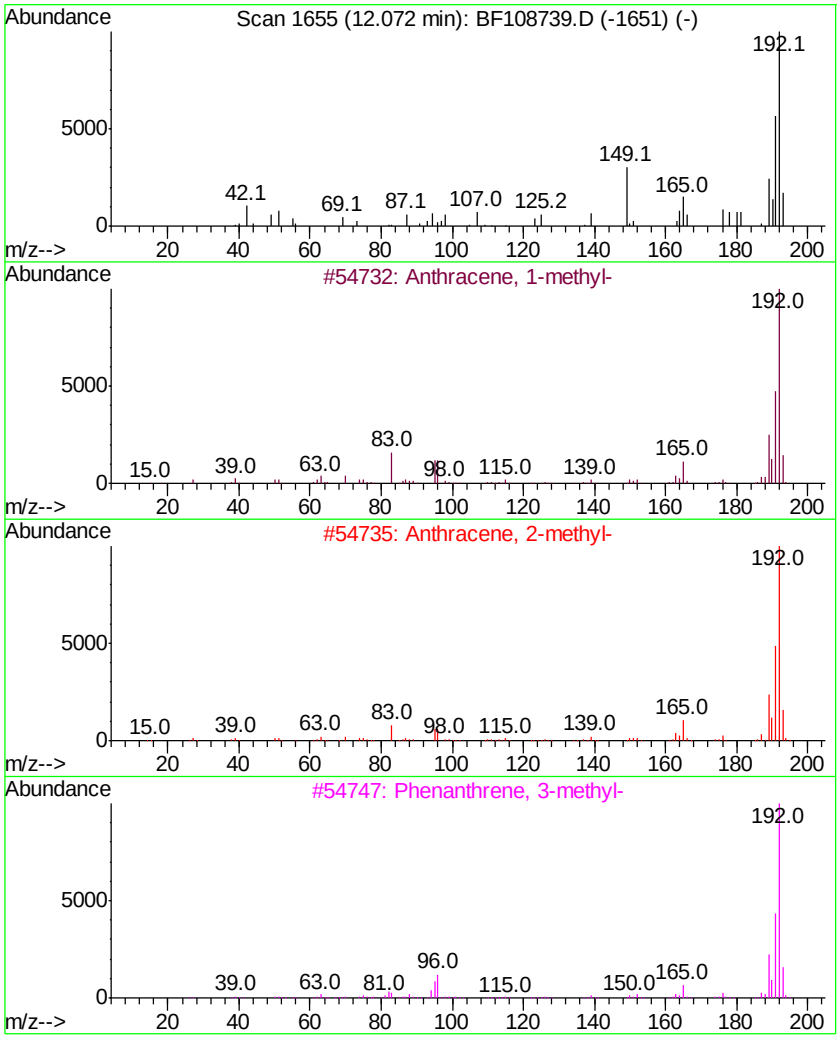
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

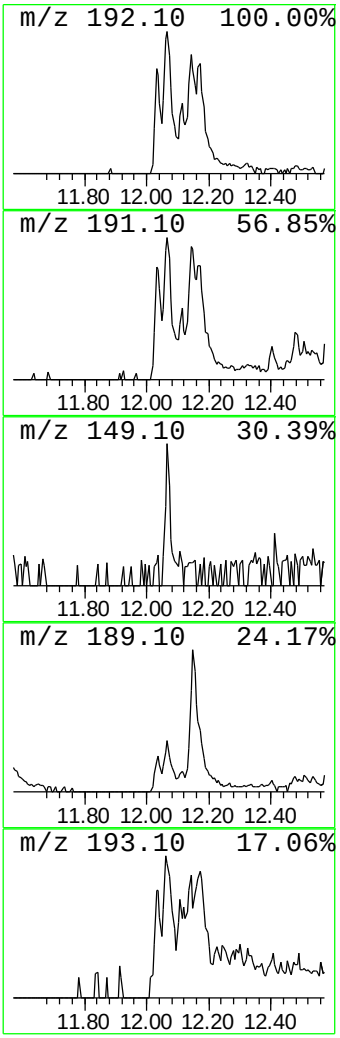
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.90 ng	56811	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

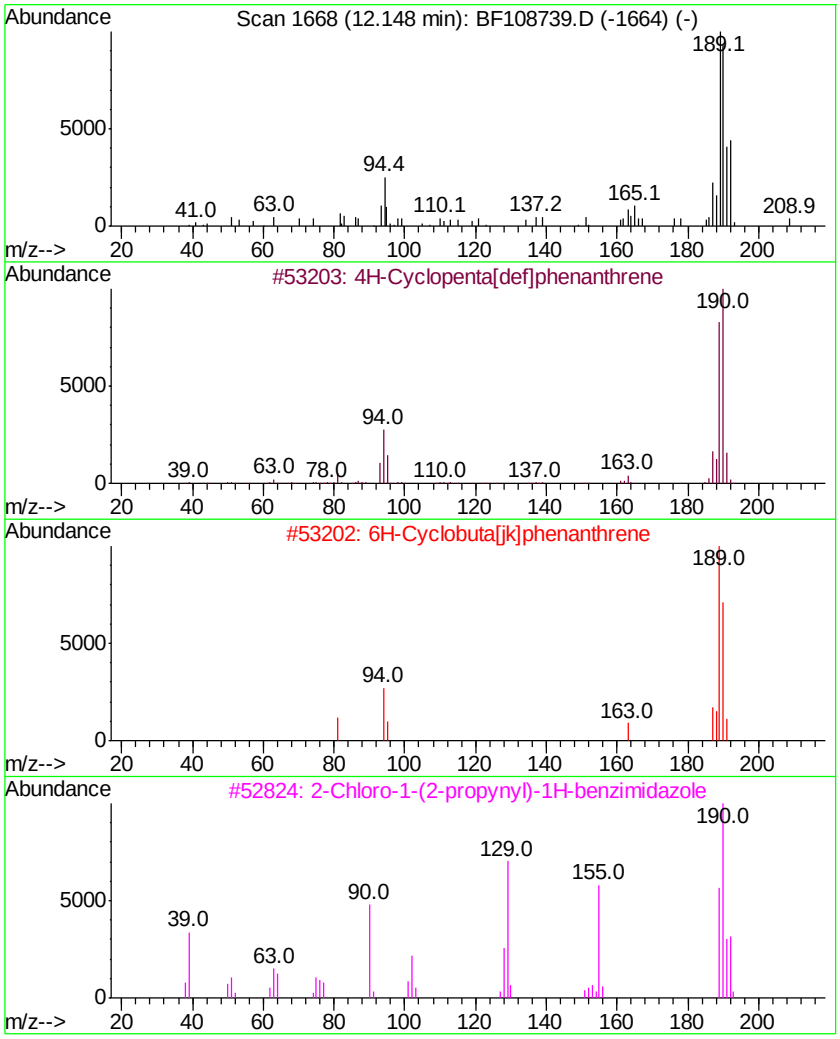
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

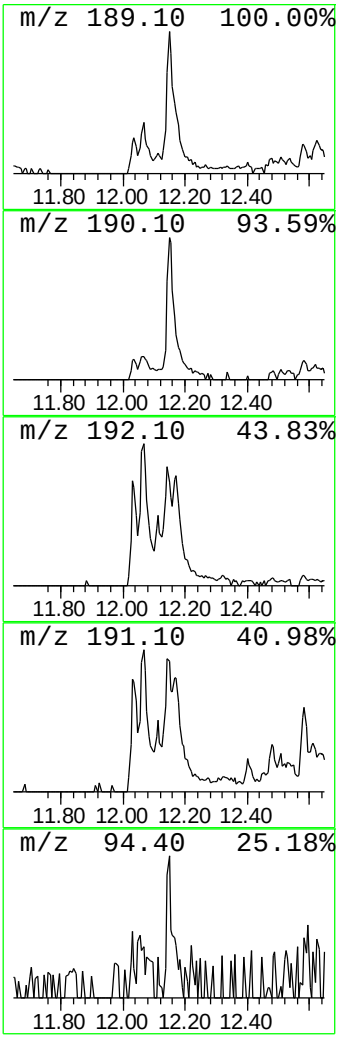
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	4.47 ng	87397	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	62
3	2-Chloro-1-(2-propynyl)-1H-benzi...	190	C10H7ClN2	080276-19-3	47
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	38
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

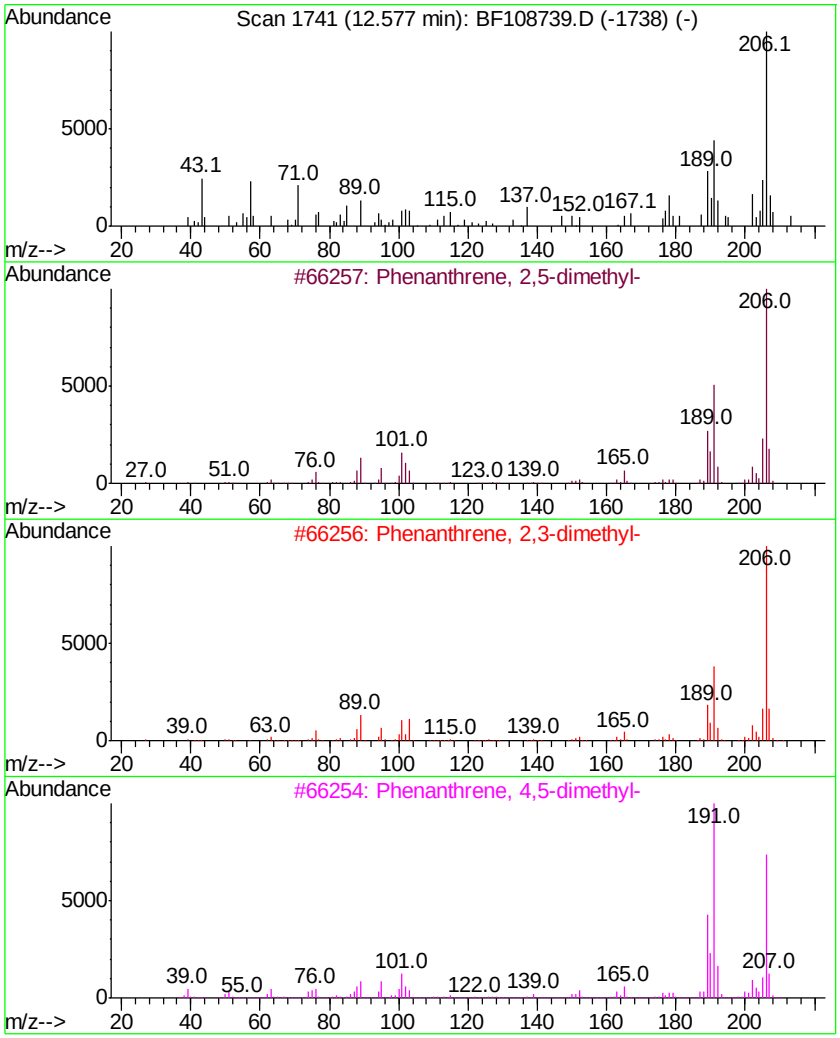
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

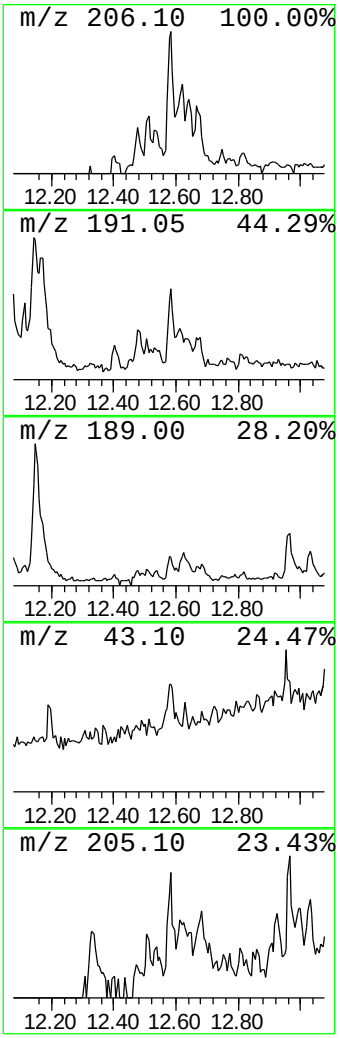
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	2.96 ng	57871	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

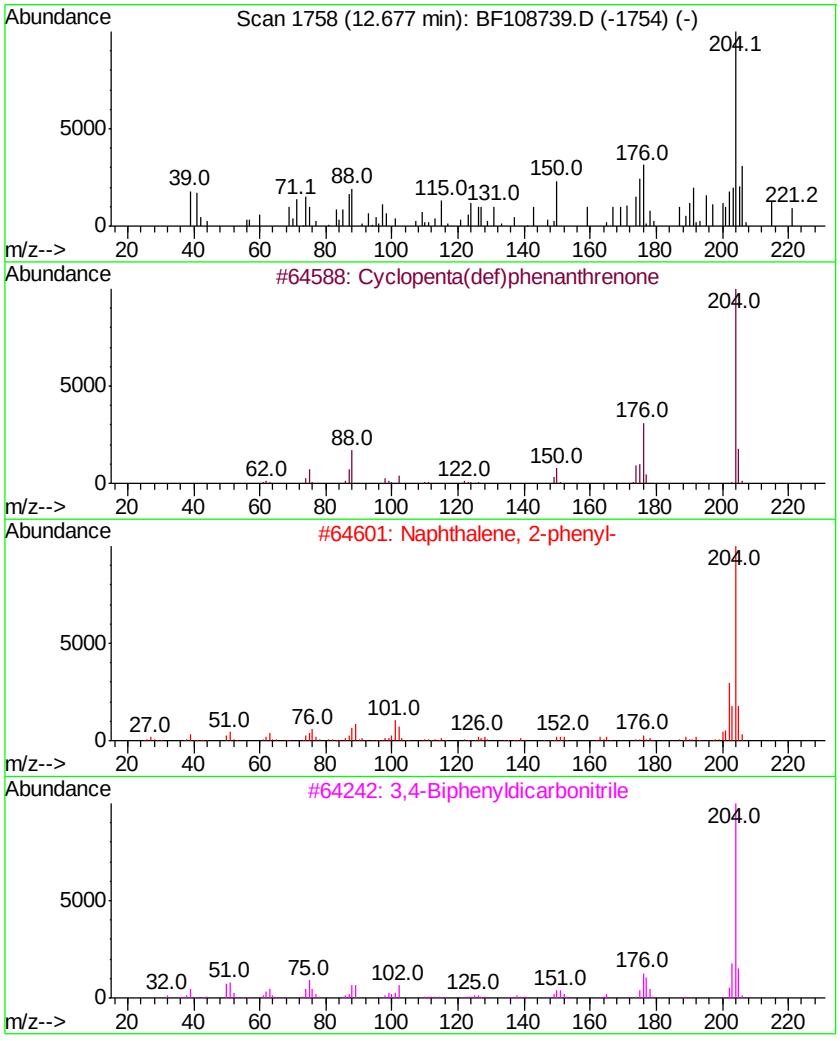
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

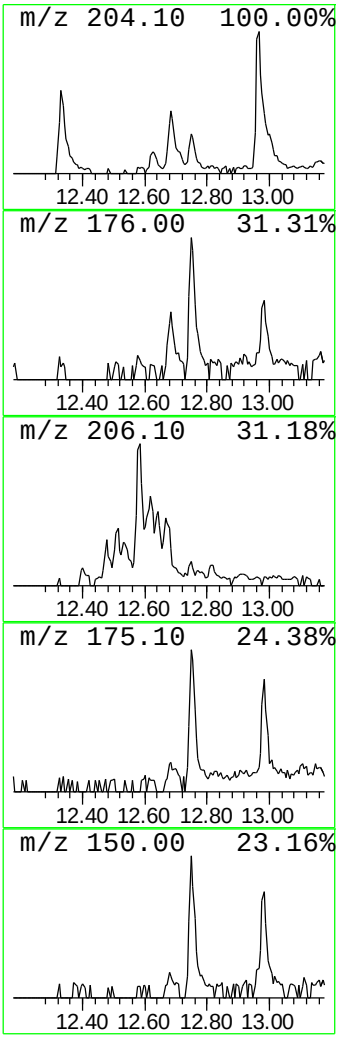
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	2.02 ng	39602	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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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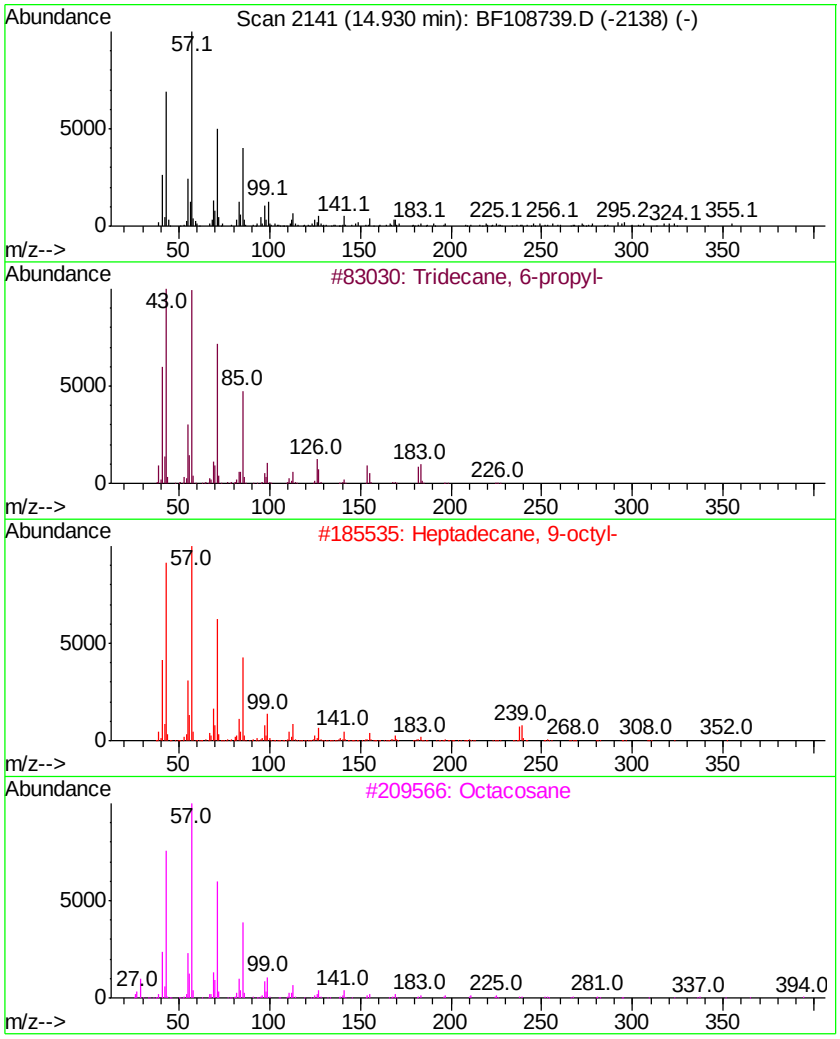
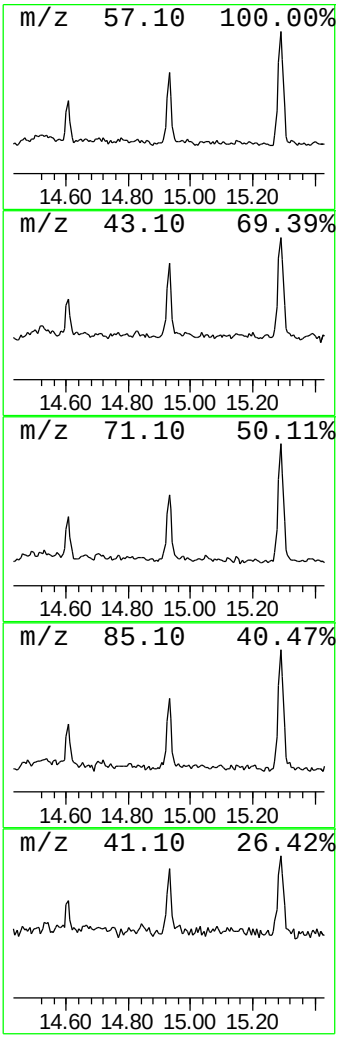
Peak Number 8 Tridecane, 6-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	2.97 ng	129118	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	90
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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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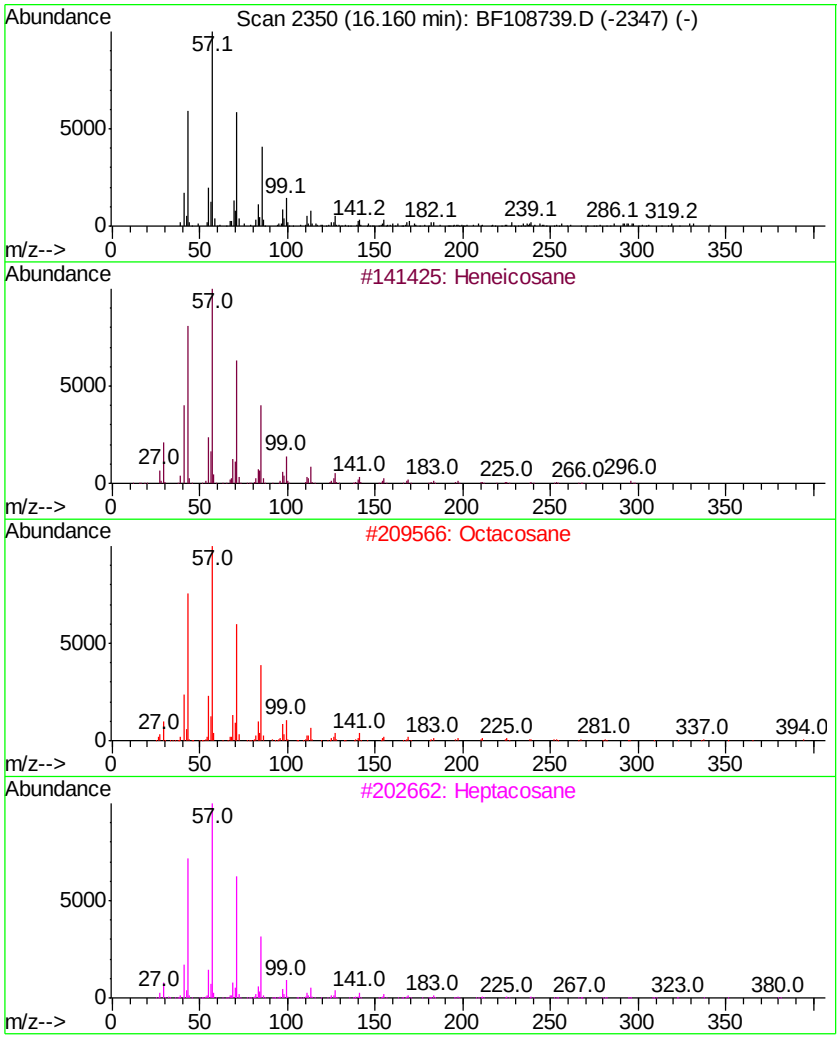
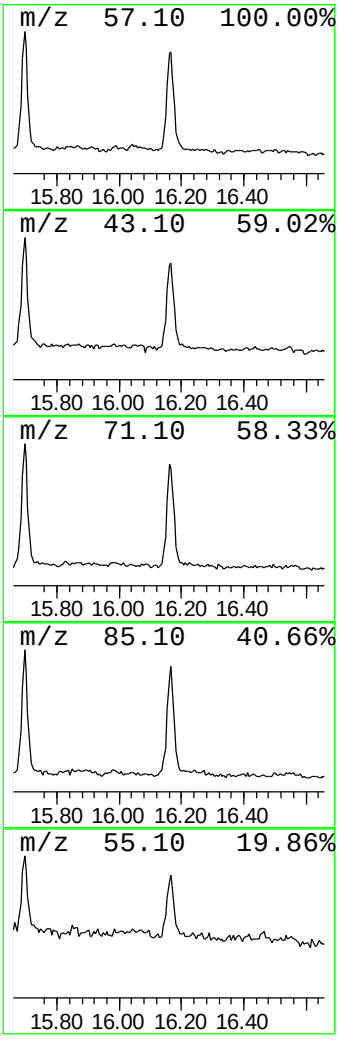
Peak Number 9 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	10.67 ng	275345	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Octacosane	394	C28H58	000630-02-4	87
3	Heptacosane	380	C27H56	000593-49-7	87
4	Hentriacontane	437	C31H64	000630-04-6	87
5	Hexacosane	366	C26H54	000630-01-3	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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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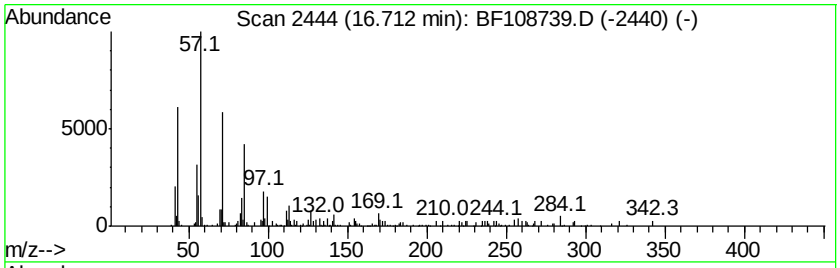
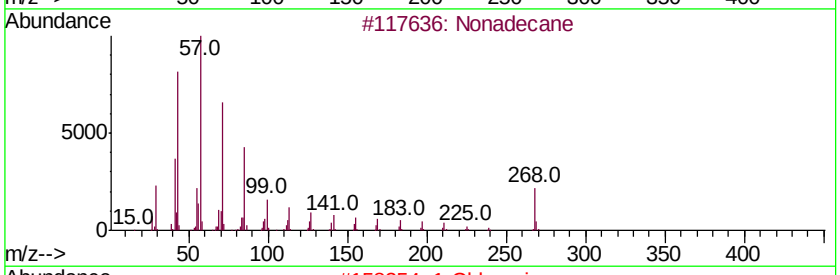
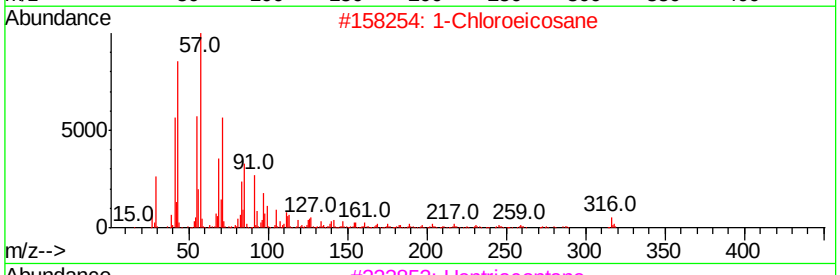
Peak Number 10 Nonadecane Concentration Rank 4

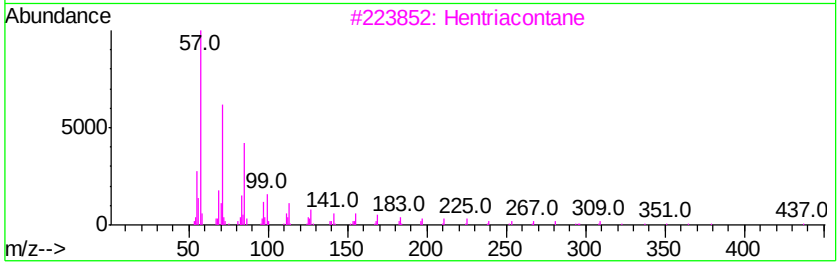
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	4.67 ng	120538	Perylene-d12	15.74

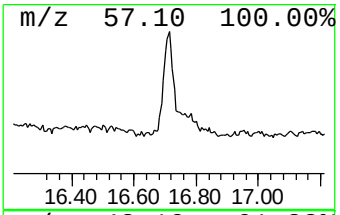
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	1-Chloroeicosane	316	C20H41Cl	042217-02-7	87
3	Hentriacontane	437	C31H64	000630-04-6	86
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	86
5	Tetratetracontane	619	C44H90	007098-22-8	86

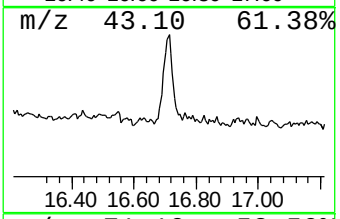


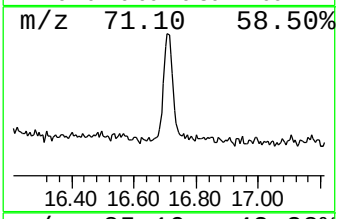


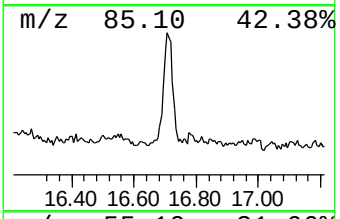


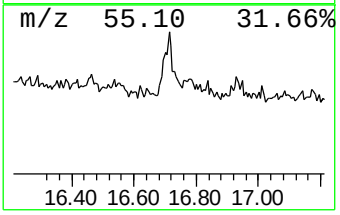












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090418\
Data File : BF108739.D
Acq On : 4 Sep 2018 14:33
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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
unknown6.77	6.77	10.6	ng	172433	1	7.00	325832	20.0
Anthracene, 9-met...	12.03	2.5	ng	48957	4	11.53	391431	20.0
Anthracene, 1-met...	12.07	2.9	ng	56811	4	11.53	391431	20.0
4H-Cyclopenta[def...	12.15	4.5	ng	87397	4	11.53	391431	20.0
Phenanthrene, 2,5...	12.58	3.0	ng	57871	4	11.53	391431	20.0
Cyclopenta(def)ph...	12.68	2.0	ng	39602	4	11.53	391431	20.0
Tridecane, 6-propyl-	14.93	3.0	ng	129118	5	14.18	868133	20.0
Heneicosane	16.16	10.7	ng	275345	6	15.74	516066	20.0
Nonadecane	16.71	4.7	ng	120538	6	15.74	516066	20.0