LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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	4.713	398	404	410	rBV	33283	44733	1.42%	0.088%
2	5.243	490	494	501	rVB	547426	574001	18.24%	1.129%
3	5.637	556	561	564	rBV	3311621	2922348	92.85%	5.747%
4	6.631	725	730	734	rBV	3610757	3147422	100.00%	6.190%
5	6.660	734	735	739	rVB	69935	48649	1.55%	0.096%
6	6.784	752	756	760	rBV	3478857	3073878	97.66%	6.045%
7	7.019	792	796	800	rBV	2214257	1742547	55.36%	3.427%
8	7.178	819	823	826	rVB	2586763	2284440	72.58%	4.493%
9	7.578	887	891	894	rBV	2310171	1871499	59.46%	3.681%
10	8.301	1011	1014	1017	rBV	2443143	2106179	66.92%	4.142%
11	8.584	1057	1062	1067	rBV8	33959	64608	2.05%	0.127%
12	8.878	1107	1112	1117	rBV3	50040	61551	1.96%	0.121%
13	8.942	1121	1123	1125	rBV	62037	49380	1.57%	0.097%
14	9.019	1133	1136	1139	rBV2	40814	46085	1.46%	0.091%
15	9.119	1150	1153	1156	rVB3	48306	40282	1.28%	0.079%
16	9.183	1162	1164	1170	rVB6	30453	39722	1.26%	0.078%
17	9.378	1193	1197	1200	rBV	3836990	2992723	95.08%	5.886%
18	9.448	1207	1209	1212	rVB3	65820	65613	2.08%	0.129%
19	9.630	1238	1240	1247	rBV7	113250	122287	3.89%	0.241%
20	9.701	1247	1252	1254	rBV5	48860	77556	2.46%	0.153%
21	9.766	1261	1263	1268	rVB	311201	255892	8.13%	0.503%
22	9.925	1288	1290	1293	rBV	85547	88691	2.82%	0.174%
23	9.978	1296	1299	1303	rVB2	98213	93724	2.98%	0.184%
24	10.066	1311	1314	1318	rVV2	2154740	1927626	61.24%	3.791%
25	10.101	1318	1320	1323	rVB	153550	110701	3.52%	0.218%
26	10.272	1346	1349	1352	rVB2	92219	91166	2.90%	0.179%
27	10.307	1352	1355	1358	rBV4	36386	43928	1.40%	0.086%
28	10.383	1365	1368	1370	rBV3	64468	79136	2.51%	0.156%
29	10.477	1381	1384	1387	rBV	95180	84863	2.70%	0.167%
30	10.595	1401	1404	1405	rBV2	43030	48843	1.55%	0.096%
31	10.619	1405	1408	1411	rVV	156749	146098	4.64%	0.287%
32	10.701	1417	1422	1425	rBV3	108059	137948	4.38%	0.271%
33	10.754	1429	1431	1433	rBV2	38598	37495	1.19%	0.074%
34	10.860	1445	1449	1454	rBV	1648203	1513385	48.08%	2.976%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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	10.966	1463	1467	1476	rVB	184906	305266	9.70%	0.600%
36	11.366	1532	1535	1538	rVB	105981	91827	2.92%	0.181%
37	11.407	1539	1542	1544	rVV	119187	106562	3.39%	0.210%
38	11.436	1544	1547	1549	rVV	187520	189293	6.01%	0.372%
39	11.460	1549	1551	1555	rVB	101686	92566	2.94%	0.182%
40	11.566	1565	1569	1571	rBV	2092100	1751692	55.65%	3.445%
41	11.589	1571	1573	1576	rVB	1555053	1156341	36.74%	2.274%
42	11.642	1579	1582	1585	rBV	475993	383508	12.18%	0.754%
43	11.789	1604	1607	1610	rBV3	177599	180373	5.73%	0.355%
44	11.836	1613	1615	1617	rVB	91447	64205	2.04%	0.126%
45	11.936	1629	1632	1636	rVB	144667	121600	3.86%	0.239%
46	12.072	1651	1655	1657	rBV2	492534	469352	14.91%	0.923%
47	12.095	1657	1659	1662	rVB	339048	260280	8.27%	0.512%
48	12.142	1665	1667	1670	rVB	138175	118897	3.78%	0.234%
49	12.183	1670	1674	1676	rBV2	398706	380412	12.09%	0.748%
50	12.242	1682	1684	1687	rBV	103341	89945	2.86%	0.177%
51	12.360	1702	1704	1707	rBV	176972	160906	5.11%	0.316%
52	12.389	1707	1709	1712	rVV3	107022	102032	3.24%	0.201%
53	12.624	1746	1749	1751	rBV2	431791	489674	15.56%	0.963%
54	12.648	1751	1753	1760	rVB4	456372	505962	16.08%	0.995%
55	12.707	1760	1763	1766	rBV	193494	196531	6.24%	0.387%
56	12.789	1773	1777	1780	rBV	3227461	2812839	89.37%	5.532%
57	12.848	1785	1787	1790	rBV2	87383	78522	2.49%	0.154%
58	13.024	1810	1817	1821	rVB	2497296	2983998	94.81%	5.869%
59	13.066	1821	1824	1828	rBV2	167496	157316	5.00%	0.309%
60	13.154	1834	1839	1841	rBV	2537639	2249378	71.47%	4.424%
61	13.177	1841	1843	1846	rVB	176980	177387	5.64%	0.349%
62	13.230	1849	1852	1855	rBV2	177429	273601	8.69%	0.538%
63	13.342	1865	1871	1874	rBV	437993	705043	22.40%	1.387%
64	13.413	1881	1883	1885	rVB	282250	210623	6.69%	0.414%
65	13.454	1886	1890	1893	rBV2	269278	361191	11.48%	0.710%
66	13.854	1956	1958	1962	rVB	205906	199718	6.35%	0.393%
67	14.218	2016	2020	2024	rBV2	1906903	2890977	91.85%	5.686%
68	14.248	2024	2025	2033	rVB	1077974	960689	30.52%	1.889%
69	14.330	2037	2039	2042	rBV	257765	230040	7.31%	0.452%
70	15.324	2204	2208	2211	rBV	687088	1111048	35.30%	2.185%
71	15.660	2262	2265	2271	rVB	408365	525684	16.70%	1.034%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

72	15.724	2273	2276	2284	rVB	608072	852013	27.07%	1.676%
73	15.795	2285	2288	2292	rVV	629704	813503	25.85%	1.600%

Sum of corrected areas: 50845793

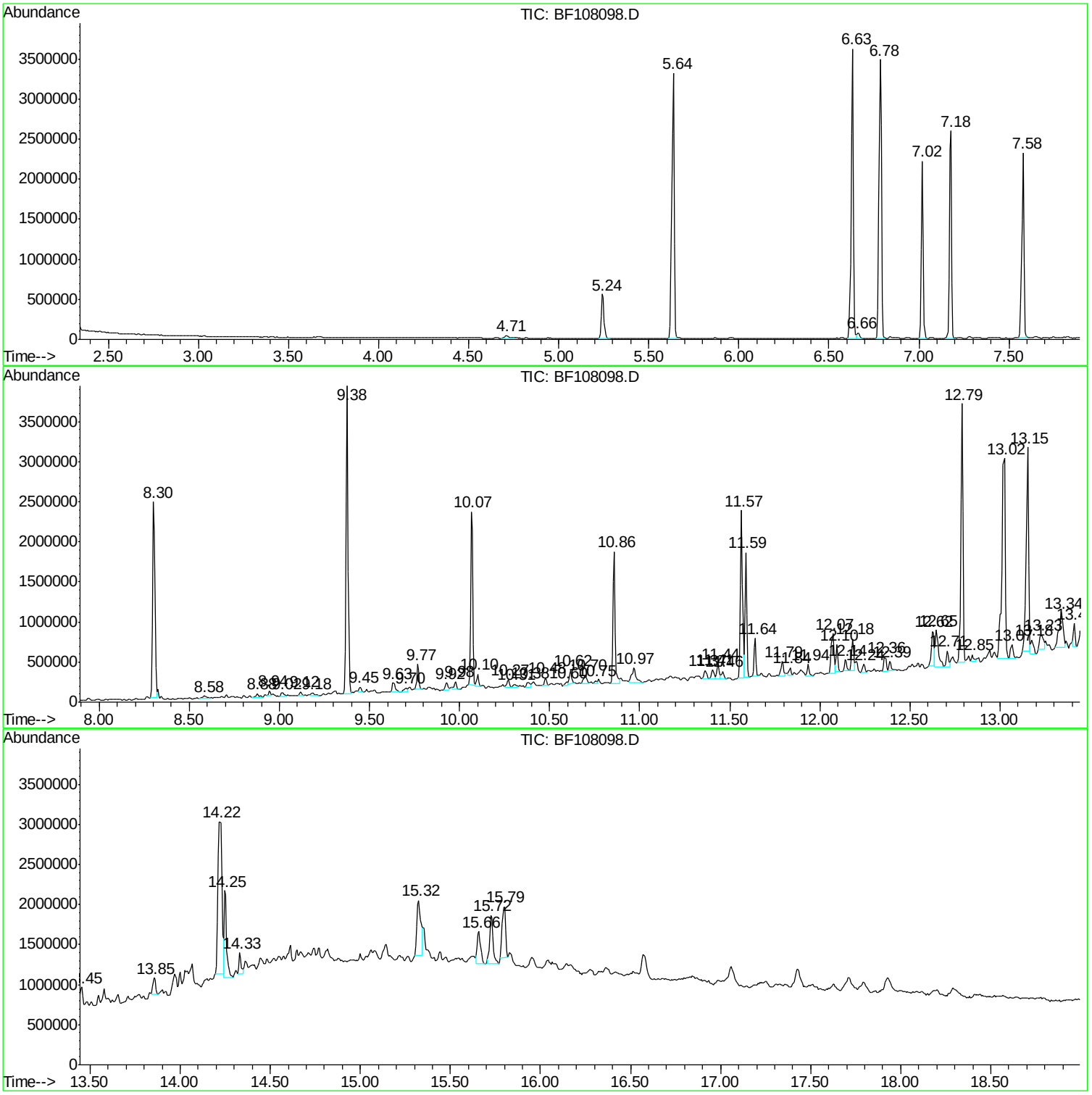
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-K

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\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

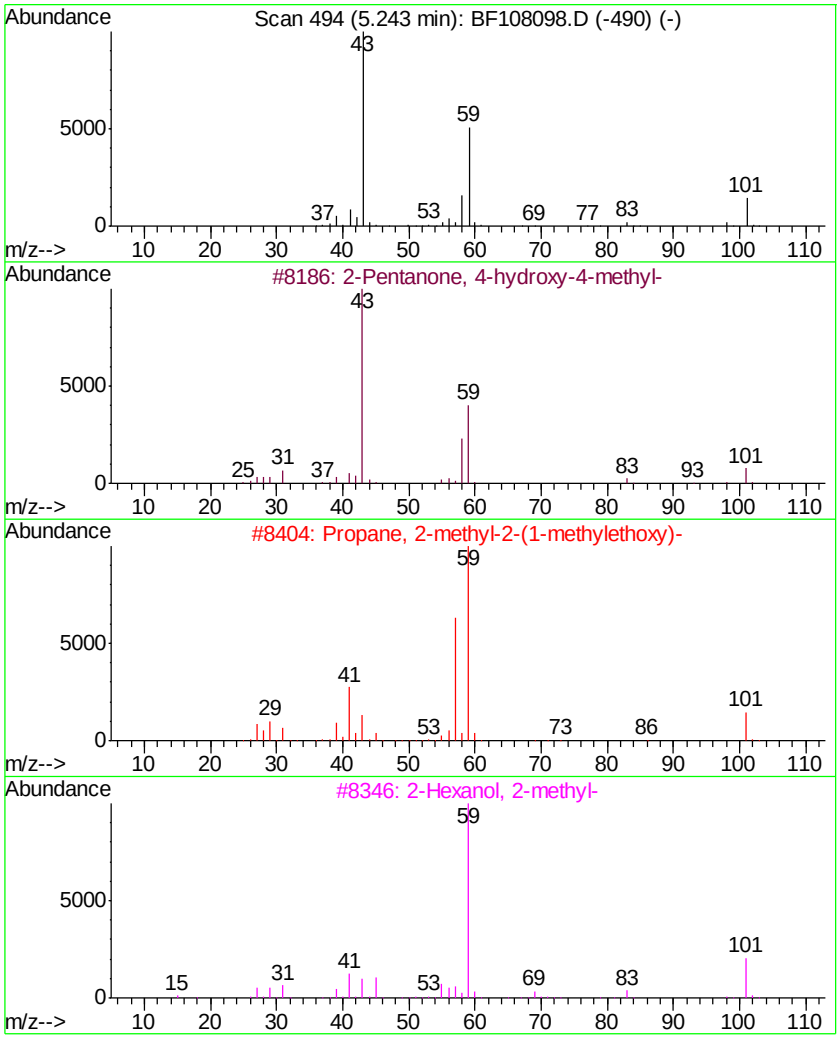
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

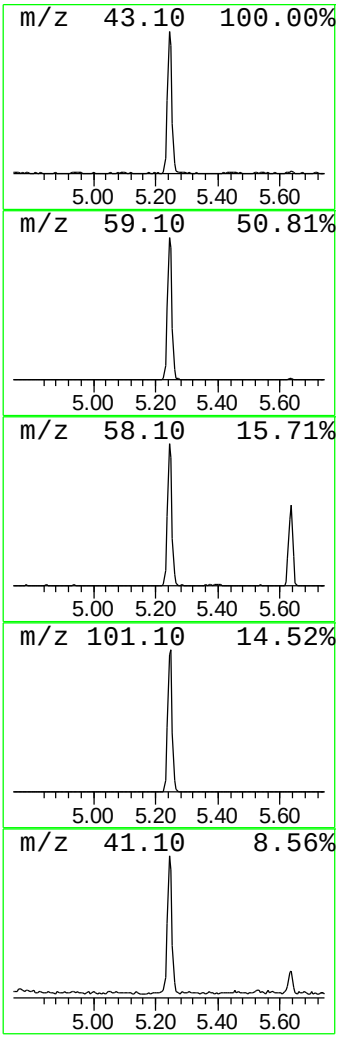
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	6.59 ng	574001	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

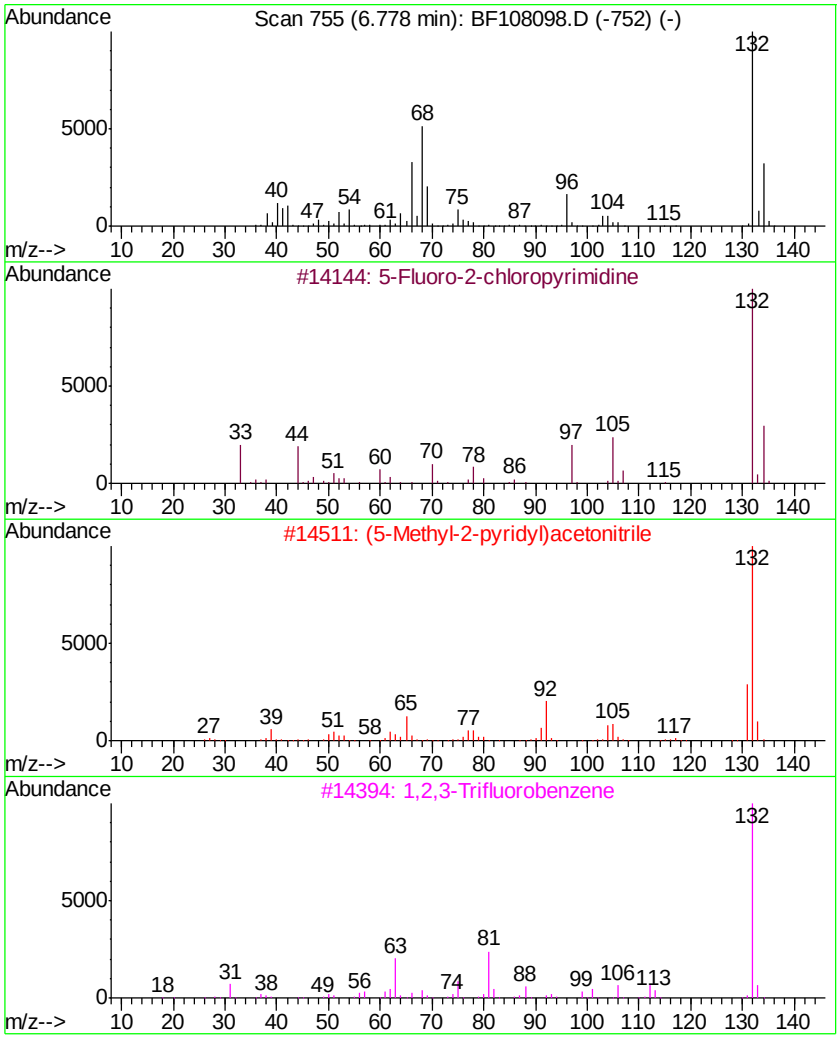
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

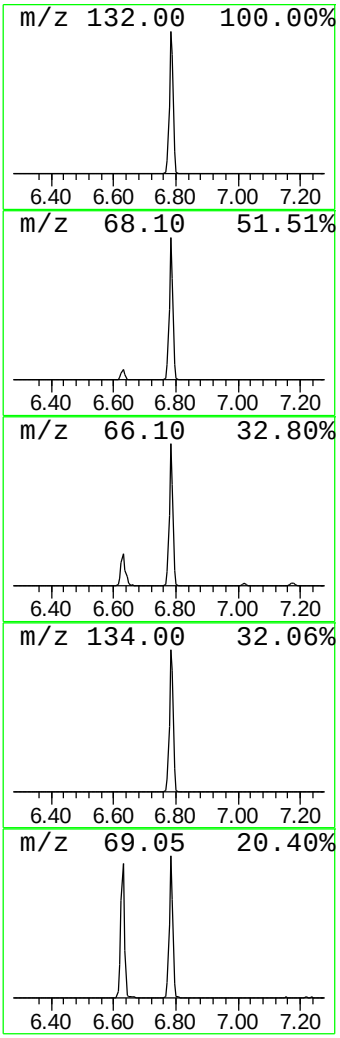
****

Peak Number 2 unknown6.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	35.28 ng	3073880	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
3	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

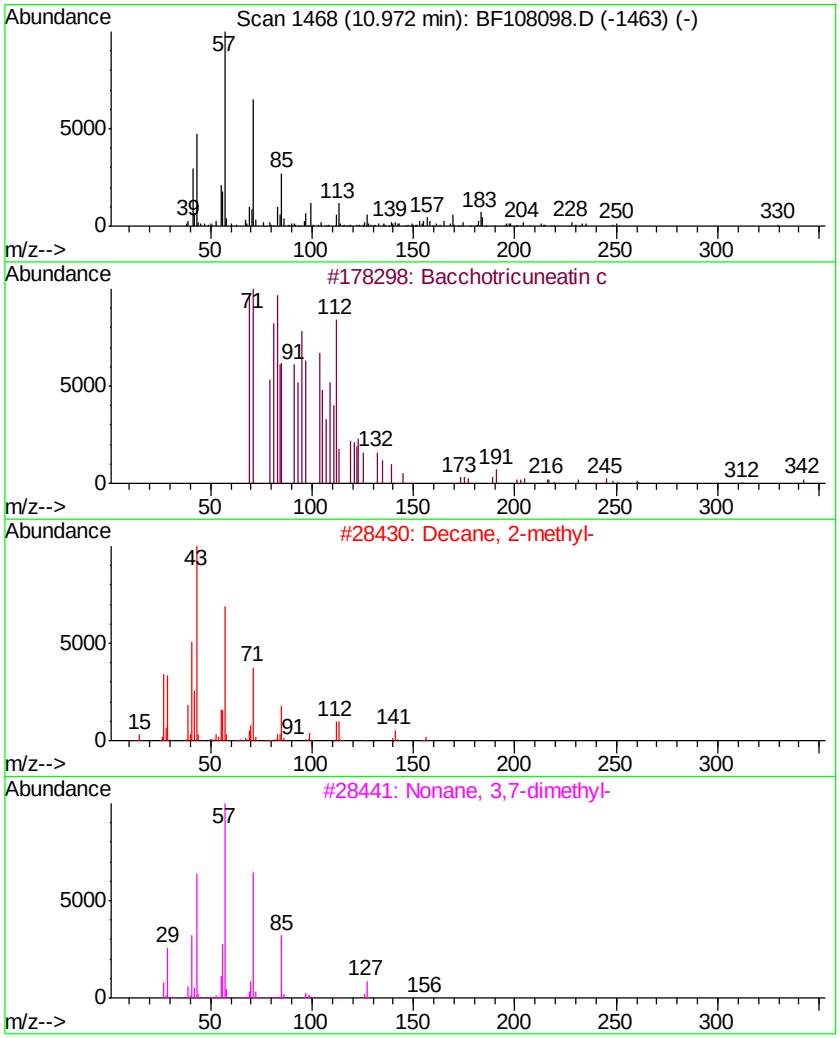
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

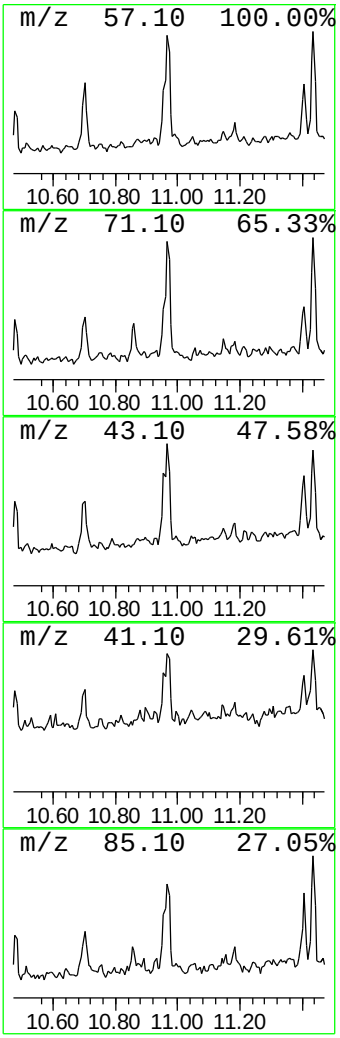
****

Peak Number 4 Bacchotricuneatin c Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.49 ng	305266	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	98
2	Decane, 2-methyl-	156	C11H24	006975-98-0	80
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	74
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

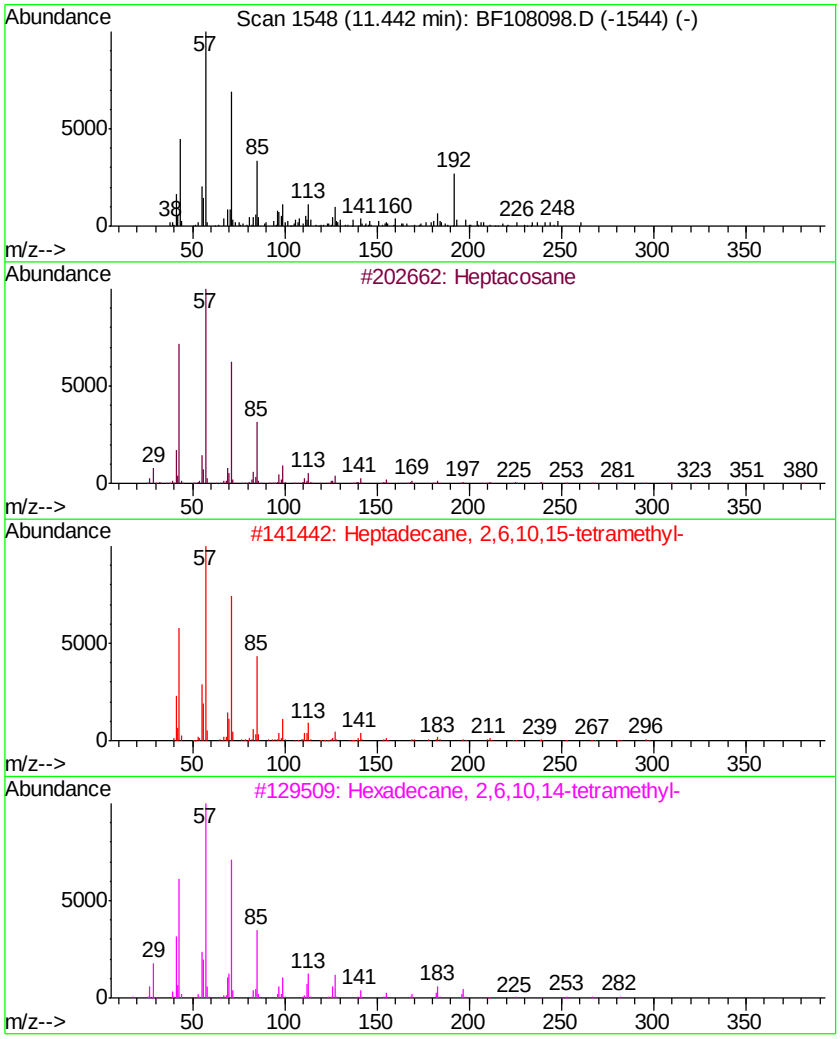
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

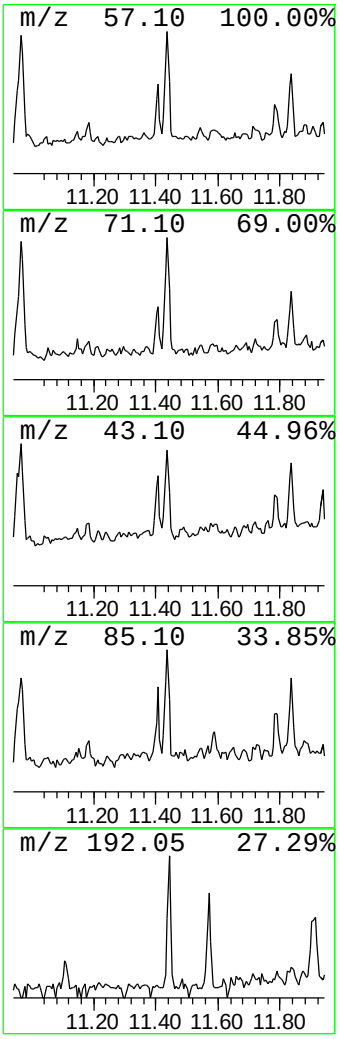
****

Peak Number 5 Heptacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	2.16 ng	189293	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	83
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4	Decane, 2-methyl-	156	C11H24	006975-98-0	83
5	Eicosane	282	C20H42	000112-95-8	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

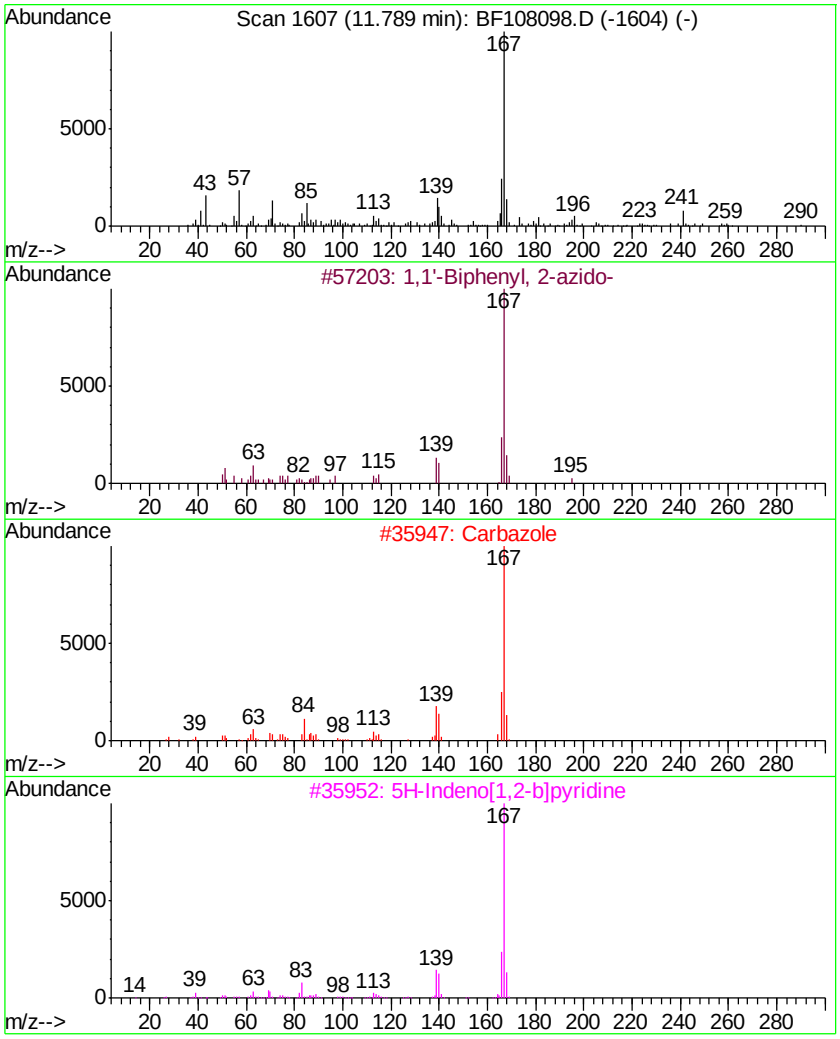
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

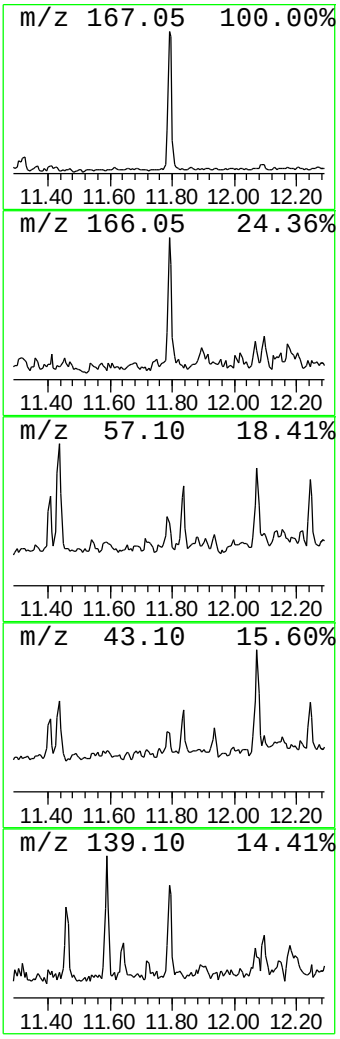
****

Peak Number 6 1,1'-Biphenyl, 2-azido- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.06 ng	180373	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	90
2	Carbazole	167	C12H9N	000086-74-8	90
3	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	76
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	74
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

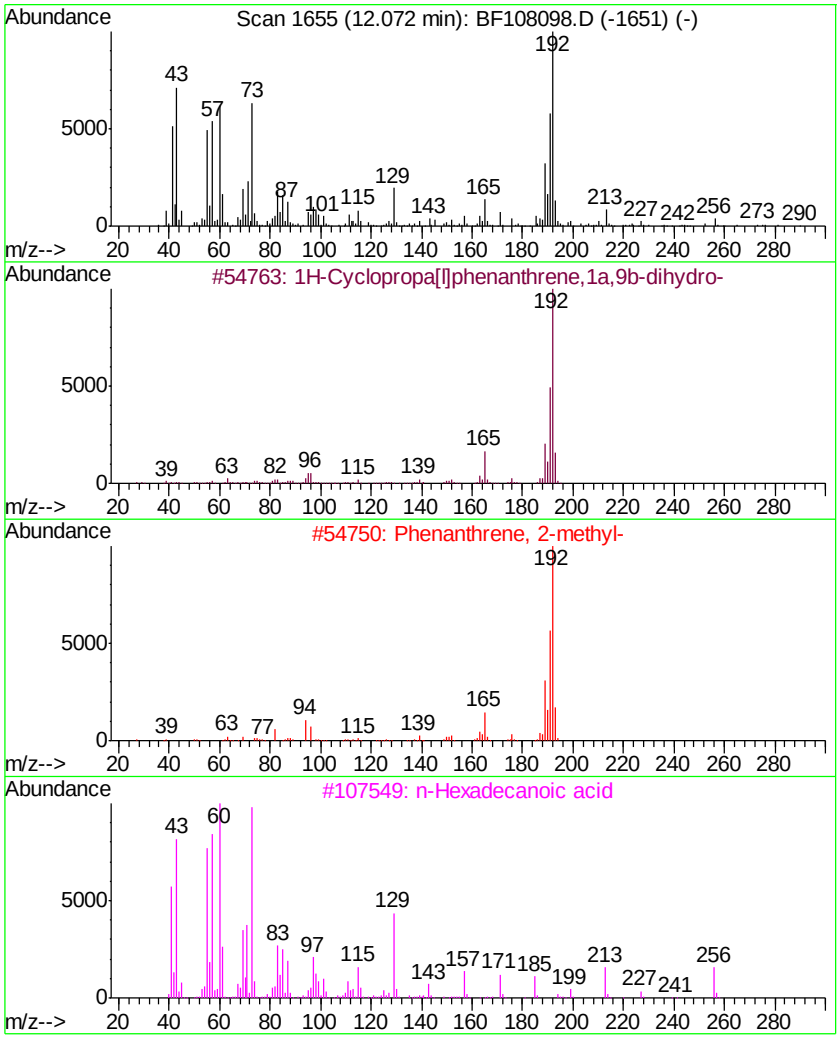
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

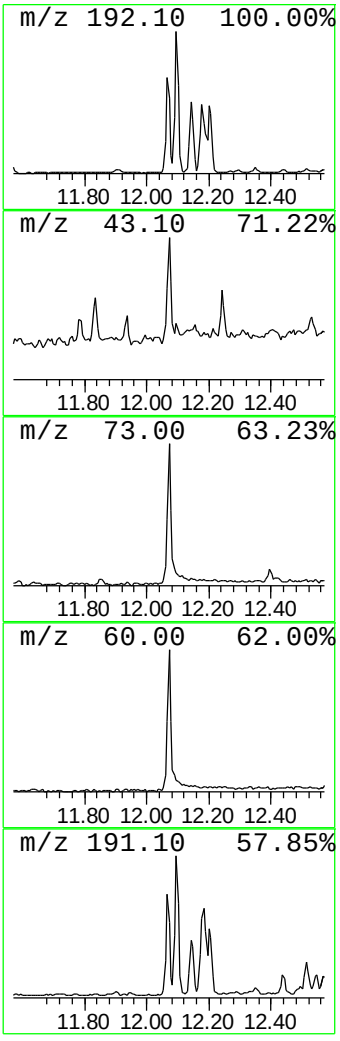
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	5.36 ng	469352	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

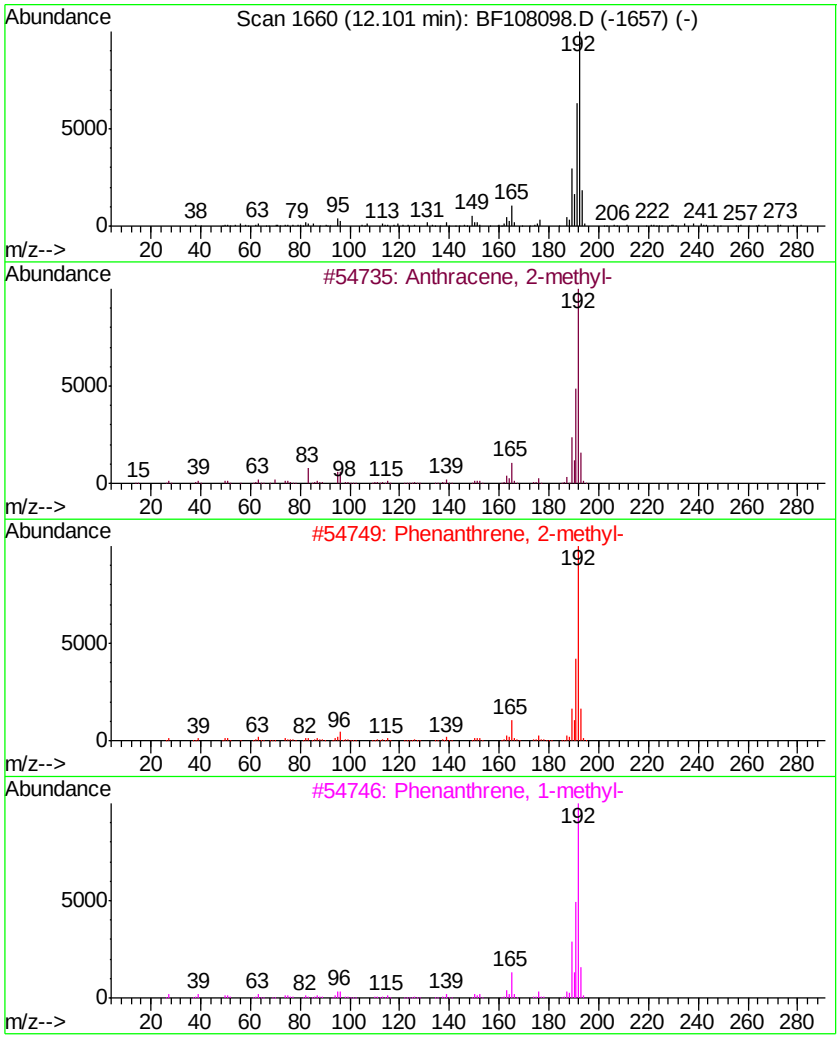
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

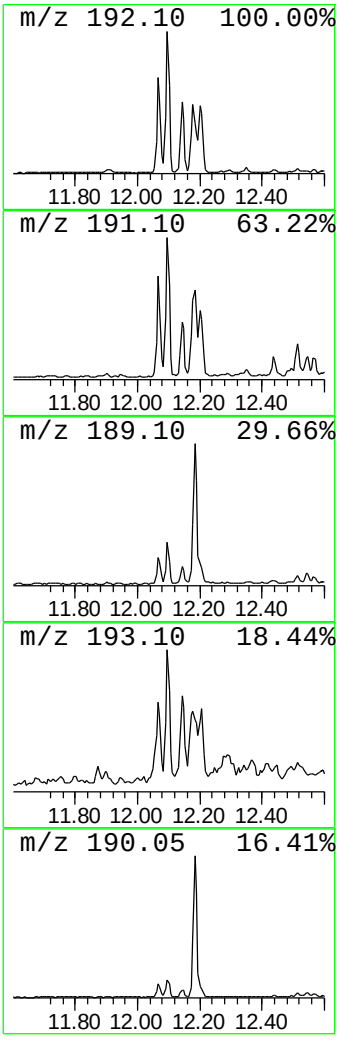
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.97 ng	260280	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

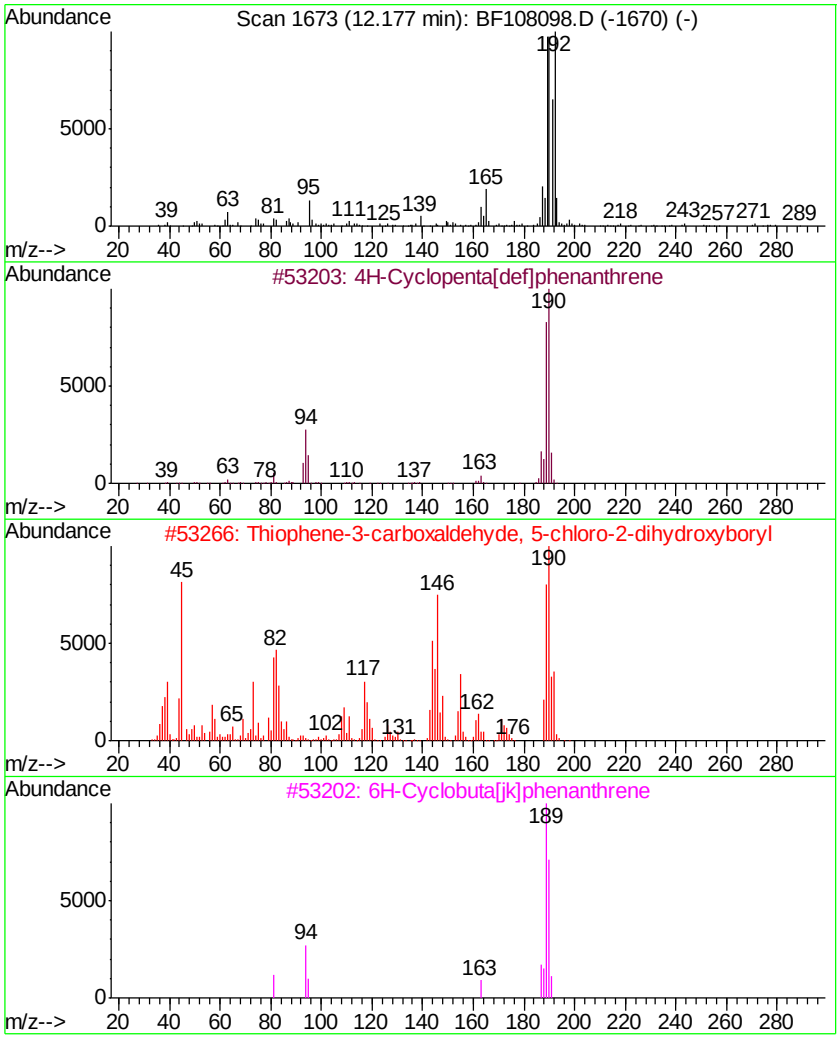
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

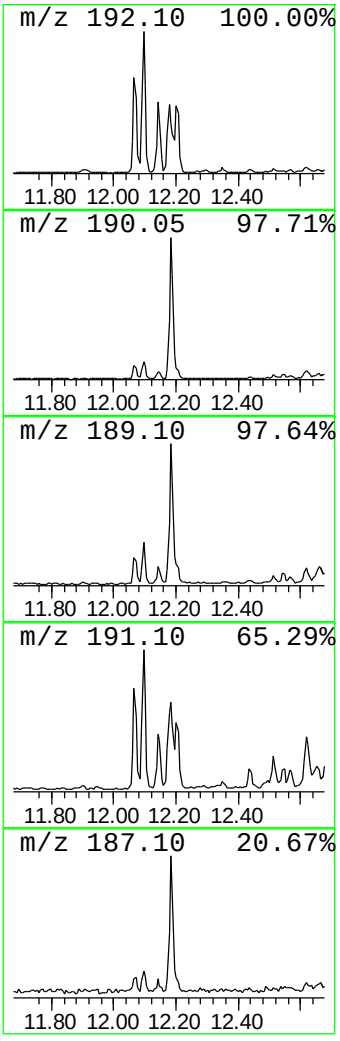
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	4.34 ng	380412	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
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	Megastigmatrienone	190	C13H18O	038818-55-2	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

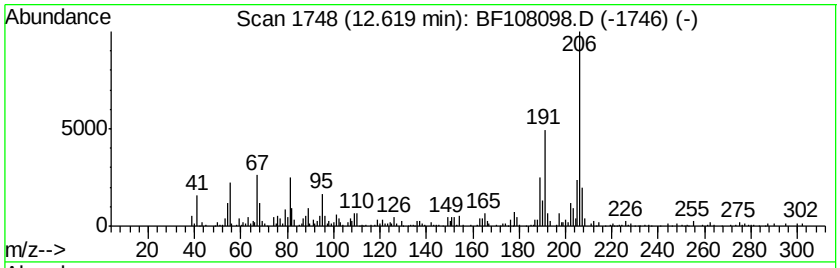
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

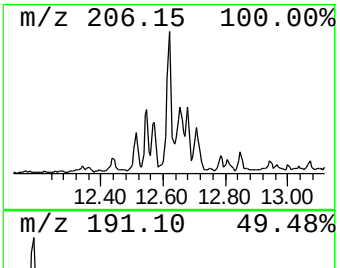
****

Peak Number 10 9,12-Octadecadienoic acid (... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	5.59 ng	489674	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98
3	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	96
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	95
5	6-Heptadecyne, 1-chloro-	270	C17H31Cl	056599-59-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

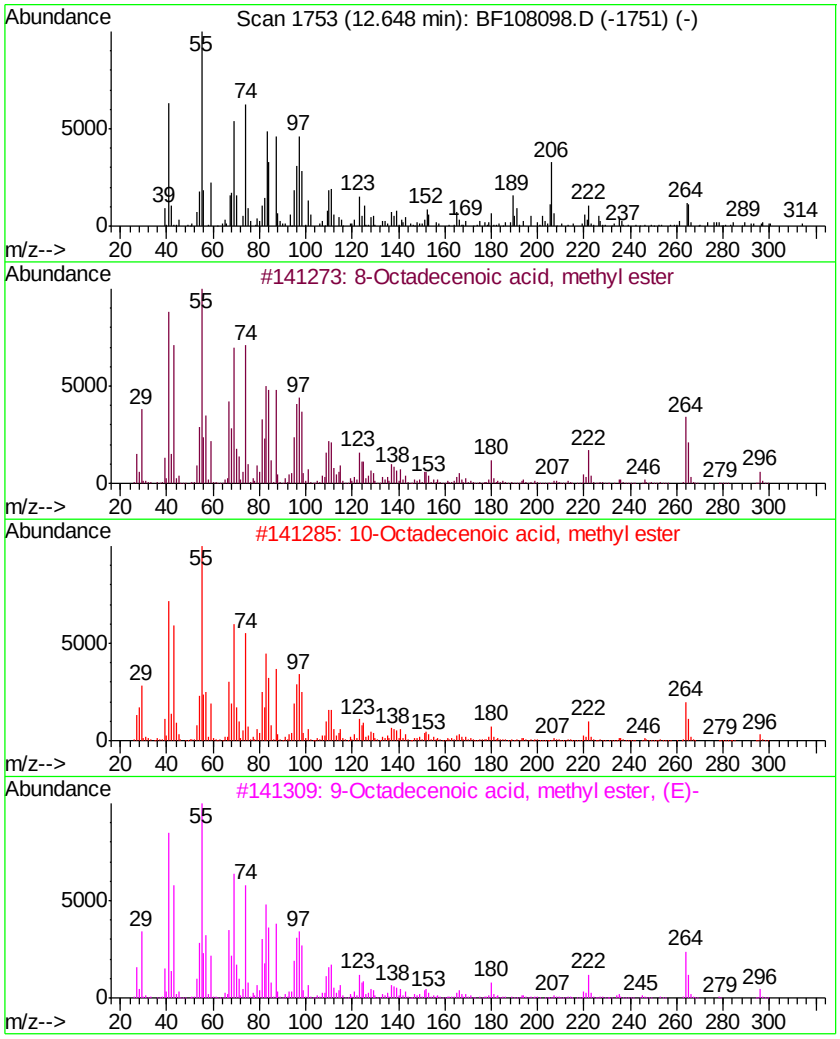
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

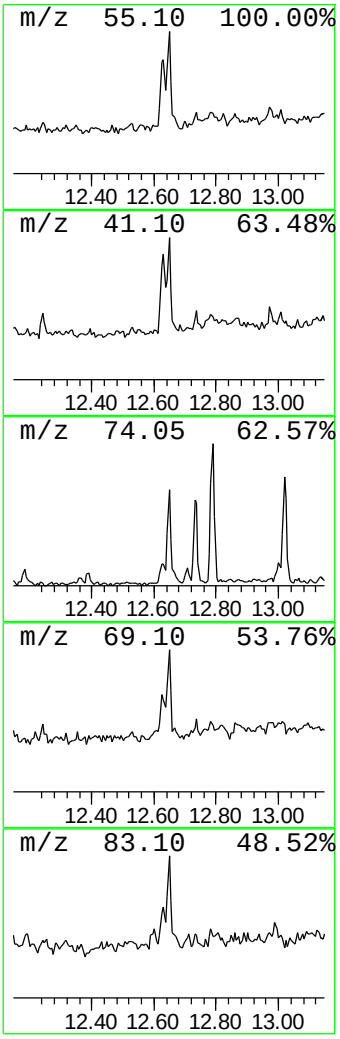
****

Peak Number 11 8-Octadecenoic acid, methyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	5.78 ng	505962	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	95
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	95
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	95
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	95
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

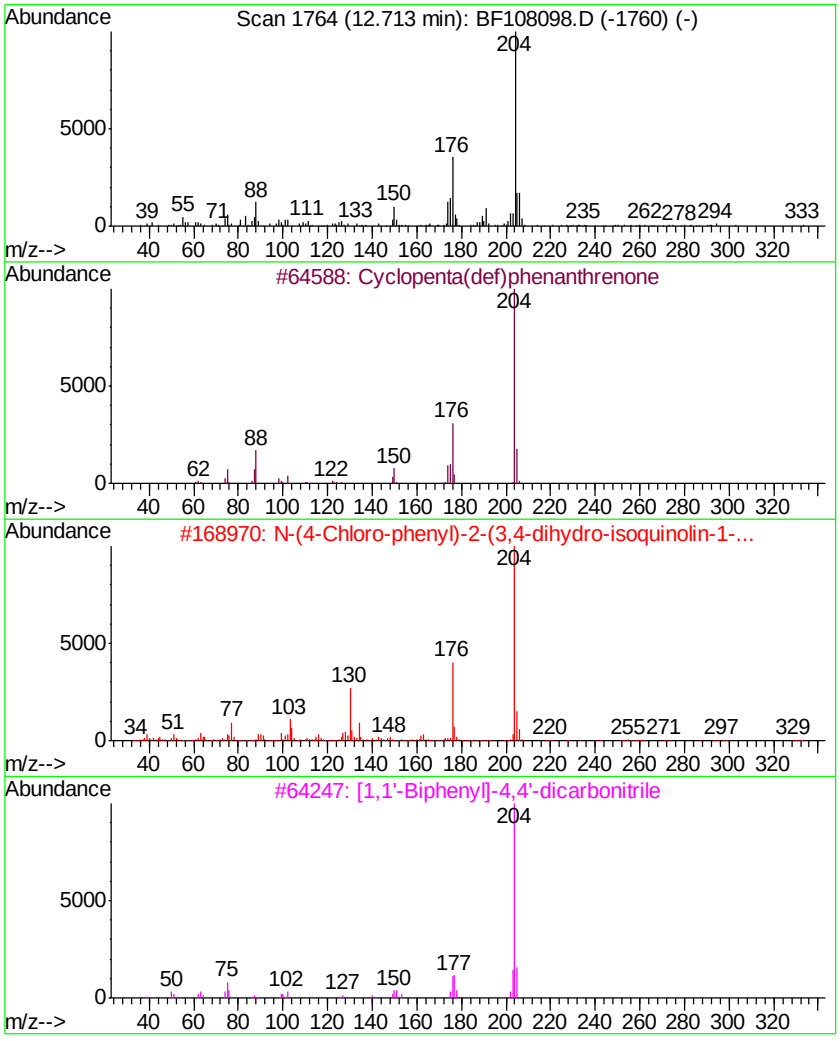
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

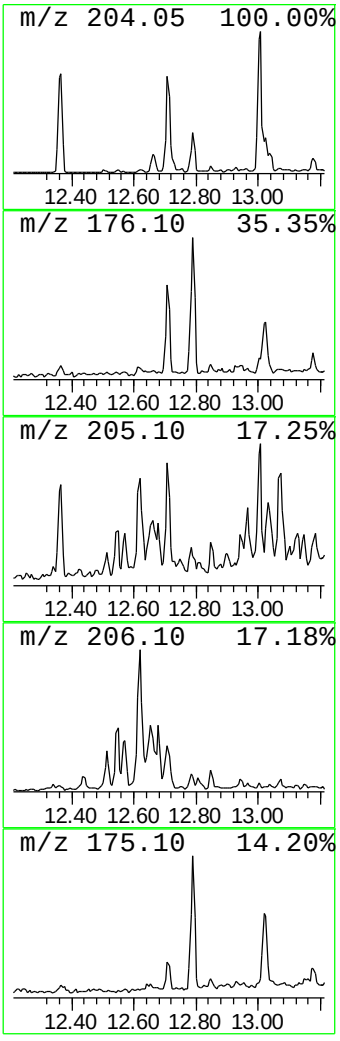
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	2.24 ng	196531	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

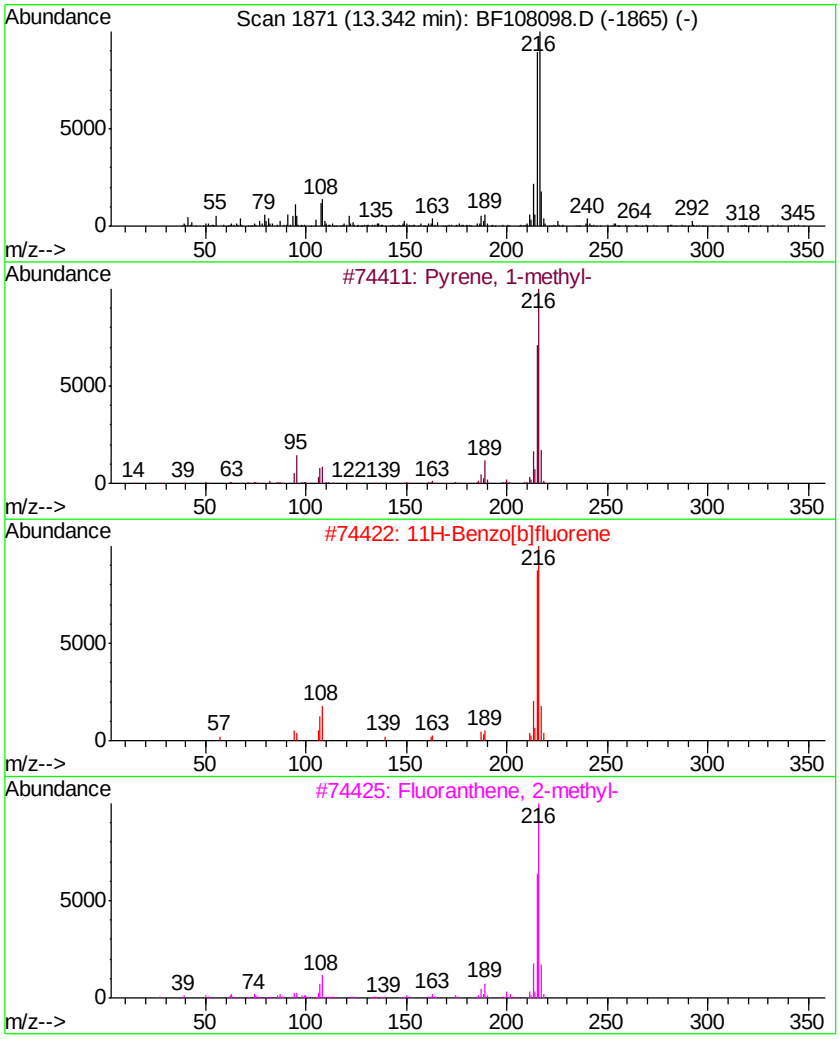
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

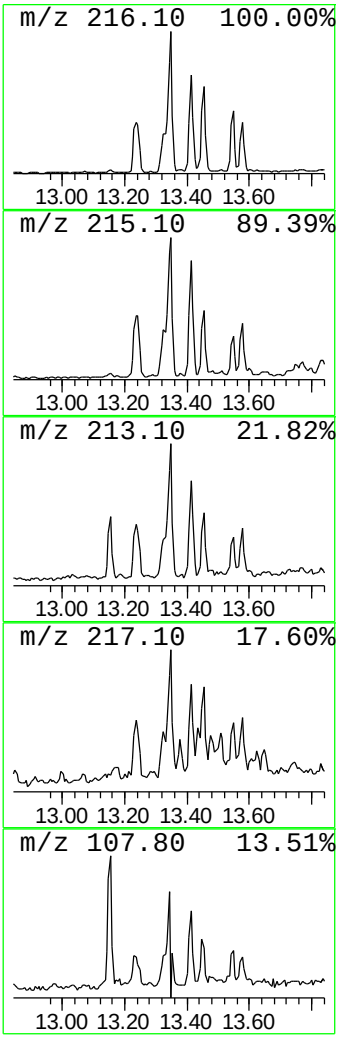
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	4.88 ng	705043	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

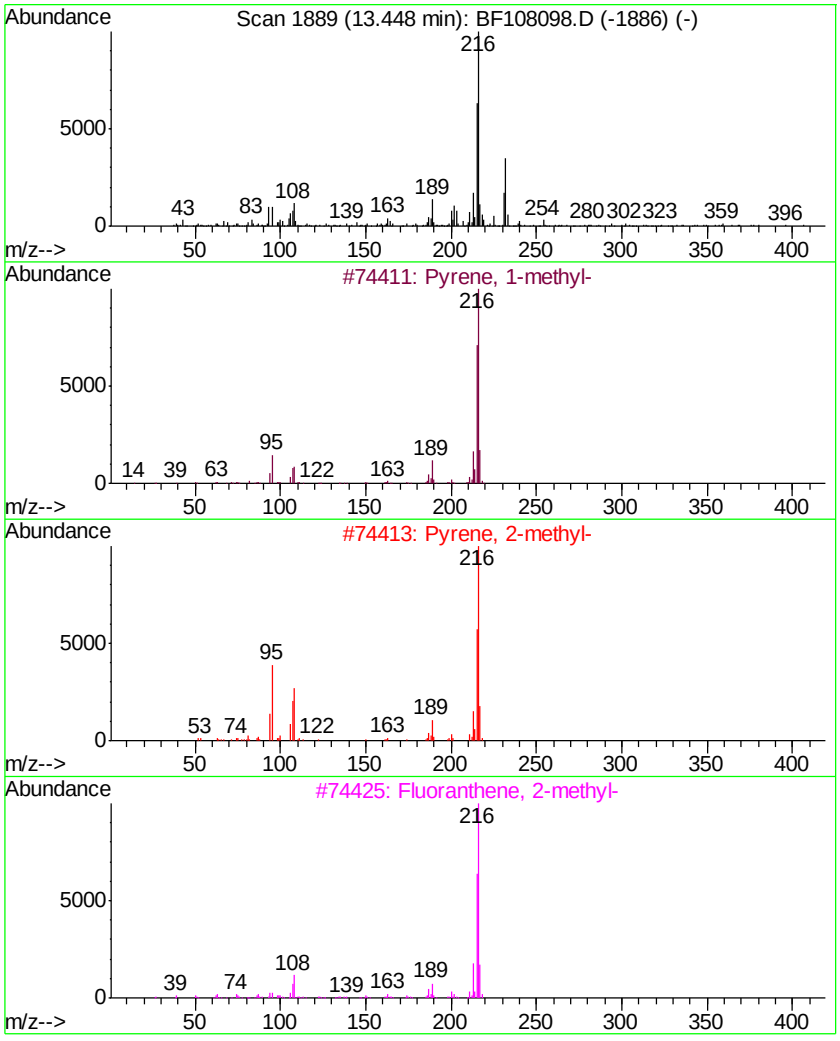
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

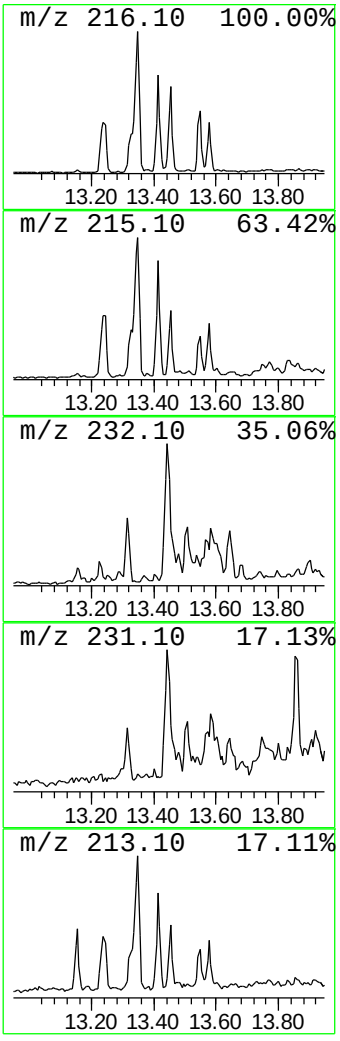
****

Peak Number 14 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.50 ng	361191	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

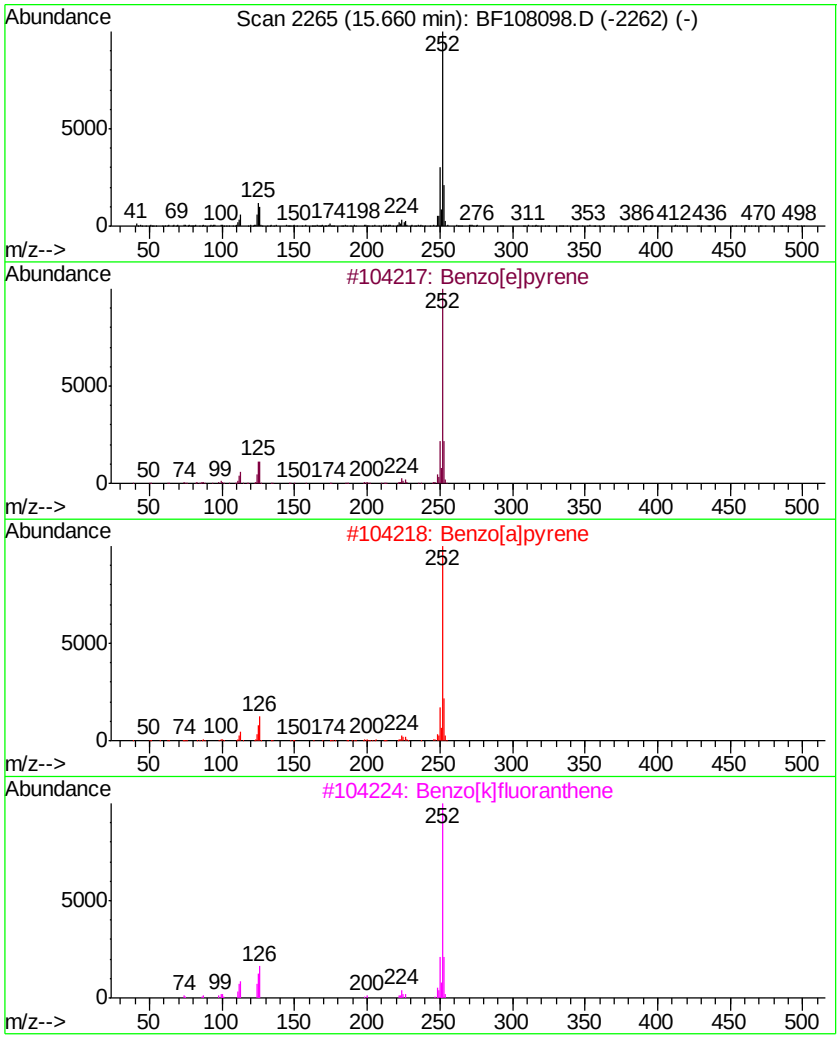
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

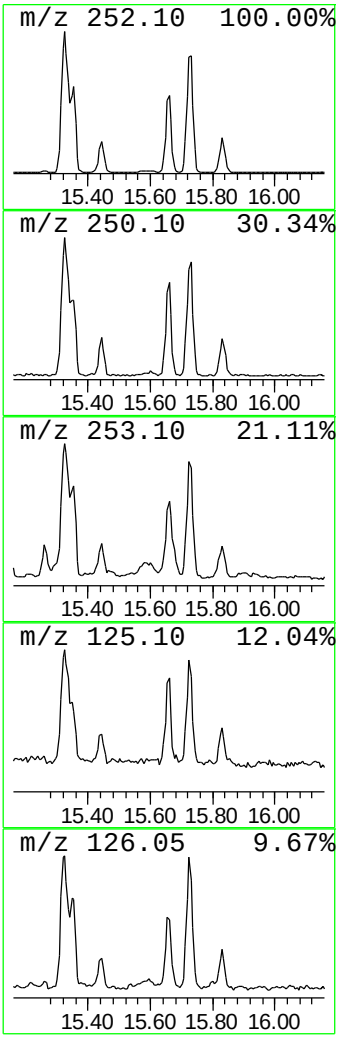
****

Peak Number 15 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	12.92 ng	525684	Perylene-d12	15.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108098.D
Acq On : 10 Aug 2018 21:46
Operator : JU/SJ
Sample : J4272-21 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-K

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.24	6.6	ng	574001	1	7.02	1742550	20.0
unknown6.78	6.78	35.3	ng	3073880	1	7.02	1742550	20.0
Bacchotricuneatin c	10.97	3.5	ng	305266	4	11.57	1751690	20.0
Heptacosane	11.44	2.2	ng	189293	4	11.57	1751690	20.0
1,1'-Biphenyl, 2-...	11.79	2.1	ng	180373	4	11.57	1751690	20.0
1H-Cyclopropa[l]p...	12.07	5.4	ng	469352	4	11.57	1751690	20.0
Anthracene, 2-met...	12.10	3.0	ng	260280	4	11.57	1751690	20.0
4H-Cyclopenta[def...	12.18	4.3	ng	380412	4	11.57	1751690	20.0
9,12-Octadecadien...	12.62	5.6	ng	489674	4	11.57	1751690	20.0
8-Octadecenoic ac...	12.65	5.8	ng	505962	4	11.57	1751690	20.0
Cyclopenta(def)ph...	12.71	2.2	ng	196531	4	11.57	1751690	20.0
Pyrene, 1-methyl-	13.34	4.9	ng	705043	5	14.22	2890980	20.0
Pyrene, 2-methyl-	13.45	2.5	ng	361191	5	14.22	2890980	20.0
Benzo[e]pyrene	15.66	12.9	ng	525684	6	15.80	813503	20.0