LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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	5.242	490	494	499	rVB	217447	195785	9.37%	0.710%
2	5.631	557	560	564	rBV	1166130	1050808	50.31%	3.812%
3	6.625	725	729	733	rBV	1459483	1134114	54.29%	4.114%
4	6.660	733	735	742	rVB	47534	39515	1.89%	0.143%
5	6.784	752	756	760	rBV	1422354	1118121	53.53%	4.056%
6	7.019	792	796	800	rBV	1608684	1265966	60.61%	4.593%
7	7.172	819	822	826	rBV	948074	844914	40.45%	3.065%
8	7.578	887	891	894	rBV	758958	643354	30.80%	2.334%
9	8.301	1011	1014	1018	rBV	1745641	1519094	72.72%	5.511%
10	9.377	1193	1197	1200	rBV	1354470	1077948	51.61%	3.911%
11	9.636	1238	1241	1246	rBV5	32295	32414	1.55%	0.118%
12	9.766	1261	1263	1269	rVB	83943	77444	3.71%	0.281%
13	9.930	1288	1291	1293	rBV	39123	38026	1.82%	0.138%
14	10.066	1311	1314	1318	rBV	1474108	1402730	67.15%	5.089%
15	10.101	1318	1320	1323	rVB	72872	56195	2.69%	0.204%
16	10.272	1346	1349	1352	rVB	31277	27849	1.33%	0.101%
17	10.383	1365	1368	1370	rBV4	22214	29588	1.42%	0.107%
18	10.477	1381	1384	1389	rVB6	23729	25202	1.21%	0.091%
19	10.619	1405	1408	1411	rBV	63598	55851	2.67%	0.203%
20	10.701	1418	1422	1425	rBV3	24779	26848	1.29%	0.097%
21	10.860	1445	1449	1453	rBV	528876	494222	23.66%	1.793%
22	10.972	1464	1468	1473	rVB5	39003	56740	2.72%	0.206%
23	11.366	1532	1535	1538	rVV	73465	57793	2.77%	0.210%
24	11.407	1539	1542	1544	rVV2	42164	36794	1.76%	0.133%
25	11.436	1544	1547	1549	rVV2	53744	57293	2.74%	0.208%
26	11.460	1549	1551	1555	rVB	50177	45773	2.19%	0.166%
27	11.566	1565	1569	1571	rBV	1520495	1296175	62.05%	4.702%
28	11.589	1571	1573	1577	rVB	842071	646335	30.94%	2.345%
29	11.642	1579	1582	1585	rVB	282128	220155	10.54%	0.799%
30	11.795	1603	1608	1613	rBV2	128298	148987	7.13%	0.541%
31	11.936	1630	1632	1637	rVB3	41884	34821	1.67%	0.126%
32	12.066	1651	1654	1657	rBV	146886	147390	7.06%	0.535%
33	12.095	1657	1659	1662	rVB	182649	150524	7.21%	0.546%
34	12.142	1665	1667	1670	rVB	79269	68953	3.30%	0.250%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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	12.183	1670	1674	1676	rBV2	233794	236727	11.33%	0.859%
36	12.242	1682	1684	1687	rBV3	34817	33336	1.60%	0.121%
37	12.366	1702	1705	1707	rBV	116332	105269	5.04%	0.382%
38	12.389	1707	1709	1712	rVB	117712	95448	4.57%	0.346%
39	12.513	1728	1730	1732	rBV3	34229	27620	1.32%	0.100%
40	12.624	1745	1749	1751	rBV3	147834	177633	8.50%	0.644%
41	12.648	1751	1753	1760	rVB4	118009	161128	7.71%	0.585%
42	12.707	1760	1763	1766	rBV	133375	127944	6.13%	0.464%
43	12.789	1773	1777	1780	rBV	2382124	1990454	95.29%	7.221%
44	12.824	1780	1783	1785	rVV3	34326	35460	1.70%	0.129%
45	12.848	1785	1787	1790	rVB	56940	46647	2.23%	0.169%
46	13.001	1810	1813	1814	rBV	351468	352184	16.86%	1.278%
47	13.024	1814	1817	1821	rVB	1669503	1638528	78.44%	5.944%
48	13.065	1821	1824	1828	rBV2	105698	95857	4.59%	0.348%
49	13.154	1833	1839	1841	rBV2	1025651	1003453	48.04%	3.640%
50	13.177	1841	1843	1847	rVB	123481	113945	5.45%	0.413%
51	13.230	1848	1852	1857	rBV4	130315	265085	12.69%	0.962%
52	13.342	1865	1871	1875	rBV	217286	339296	16.24%	1.231%
53	13.413	1880	1883	1885	rVB2	132022	98745	4.73%	0.358%
54	13.454	1886	1890	1893	rBV2	159756	188259	9.01%	0.683%
55	13.854	1956	1958	1962	rVB	209256	186269	8.92%	0.676%
56	13.971	1974	1978	1981	rBV2	160084	245257	11.74%	0.890%
57	14.001	1981	1983	1985	rVV	155661	132141	6.33%	0.479%
58	14.024	1985	1987	1991	rVV2	127614	210069	10.06%	0.762%
59	14.065	1991	1994	1997	rVB	212067	214034	10.25%	0.776%
60	14.218	2016	2020	2023	rBV2	1539433	2088843	100.00%	7.578%
61	14.248	2023	2025	2030	rVB	821997	770772	36.90%	2.796%
62	14.330	2037	2039	2042	rBV	147891	142594	6.83%	0.517%
63	15.318	2204	2207	2211	rBV	464083	731669	35.03%	2.654%
64	15.654	2262	2264	2271	rVB	262938	354760	16.98%	1.287%
65	15.724	2273	2276	2283	rVB	414354	544898	26.09%	1.977%
66	15.795	2284	2288	2291	rBV	531161	686276	32.85%	2.490%

Sum of corrected areas: 27564321

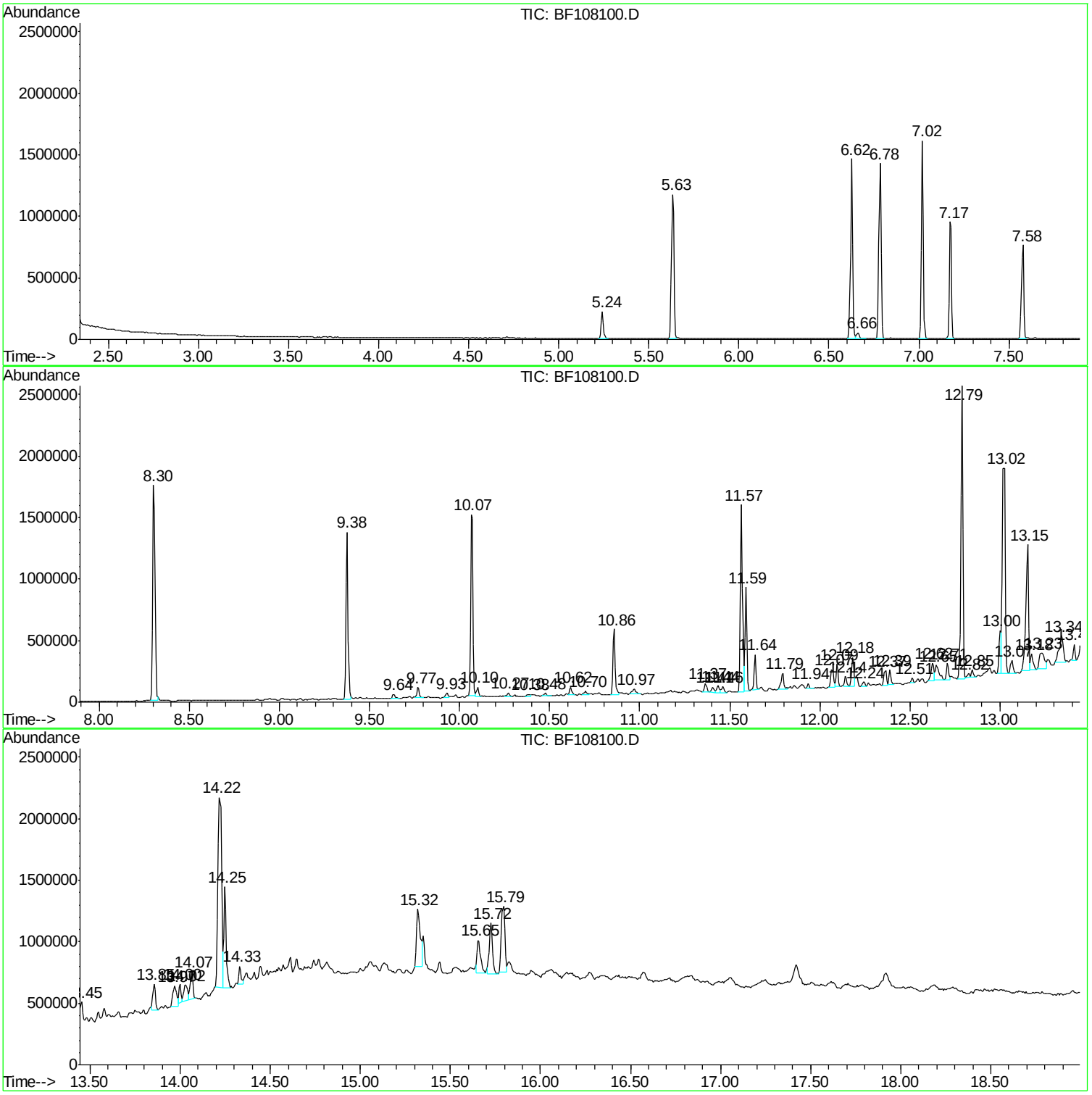
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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 : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

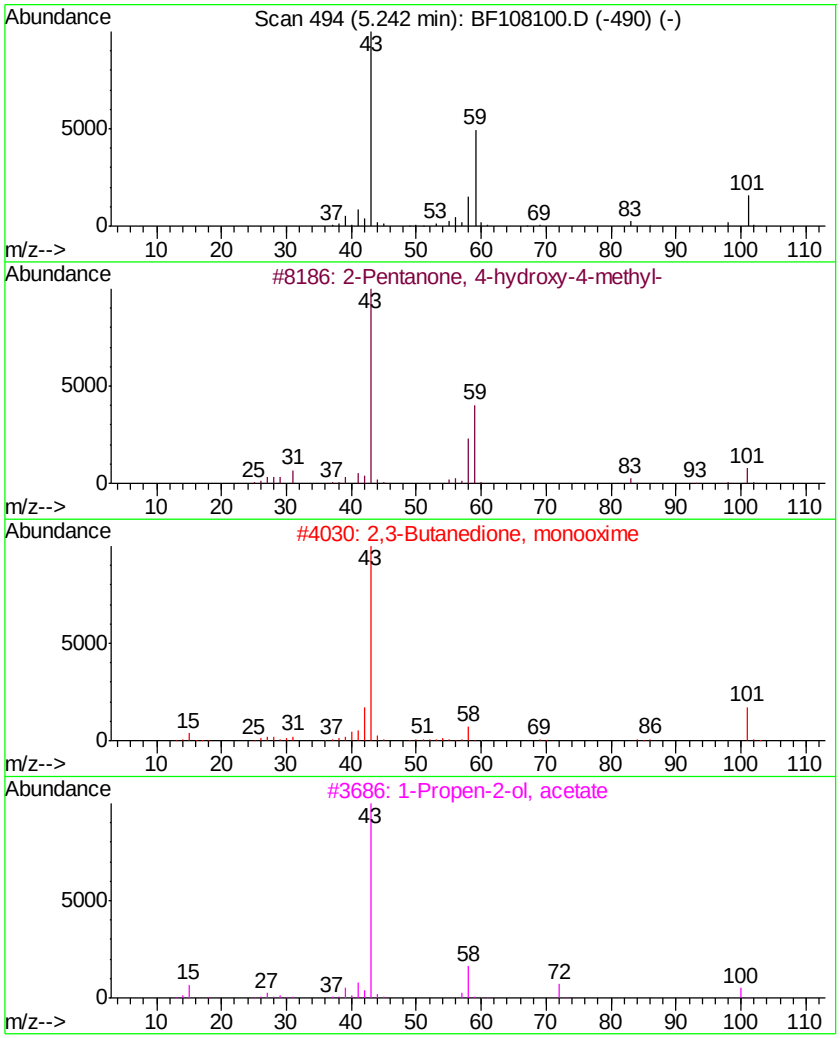
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

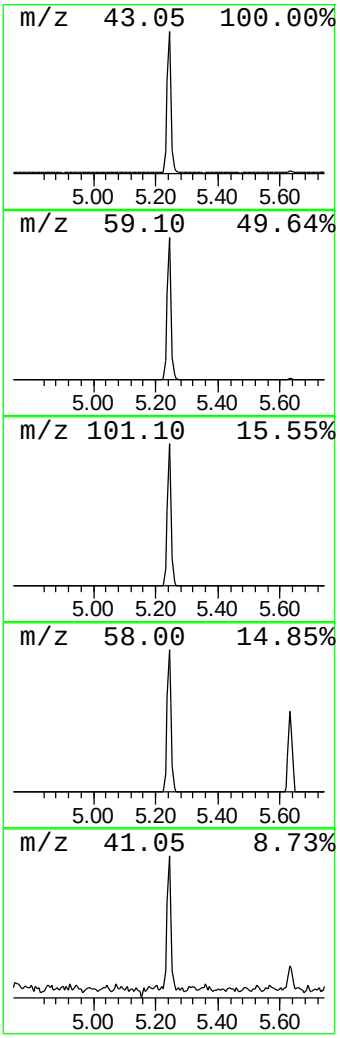
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	3.09 ng	195785	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	45
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
5	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	7





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

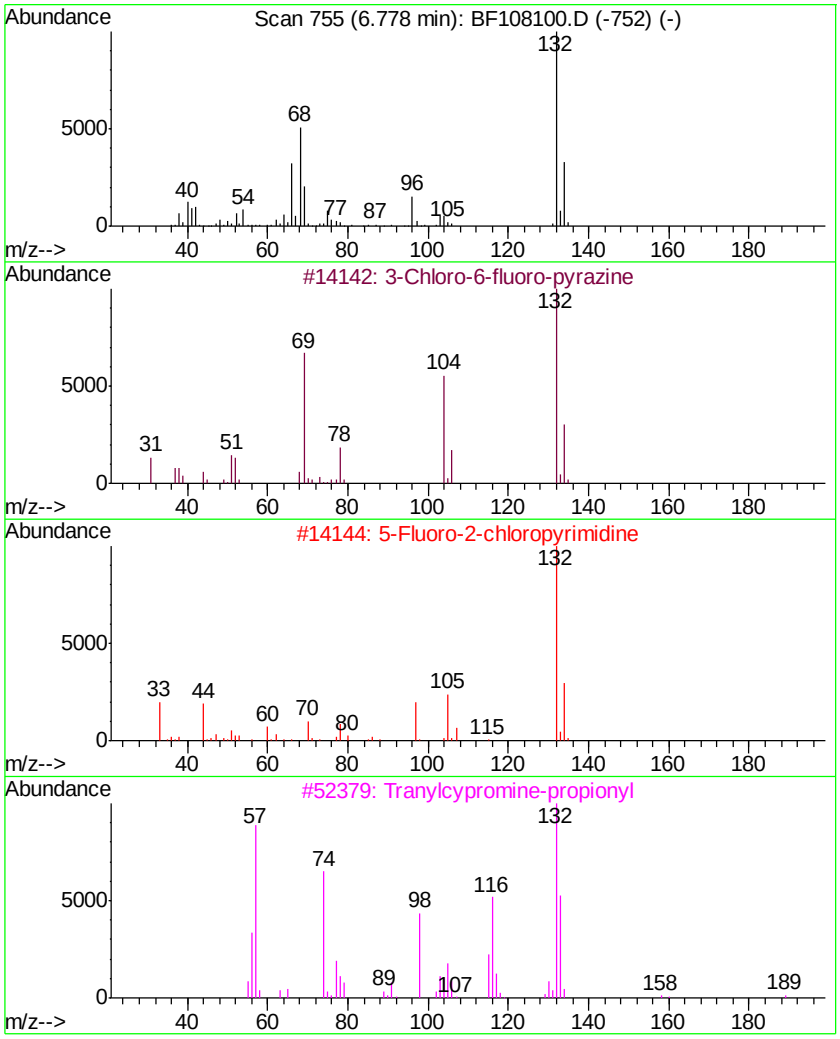
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

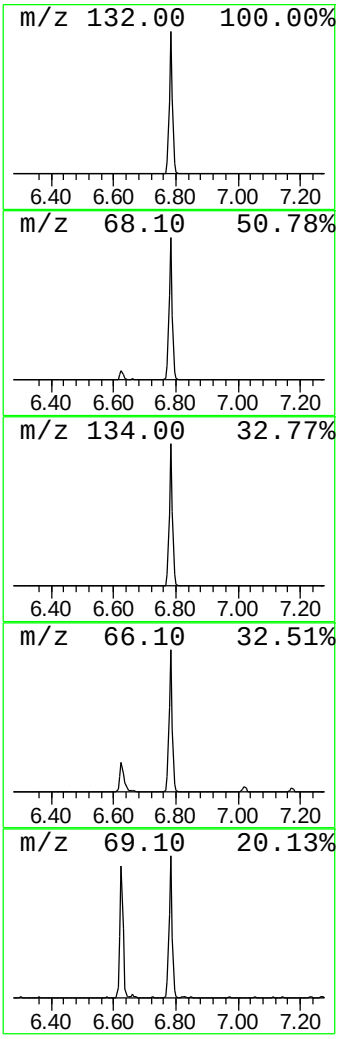
****

Peak Number 2 unknown6.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	17.66 ng	1118120	1,4-Dichlorobenzene-d4	7.02

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
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 : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

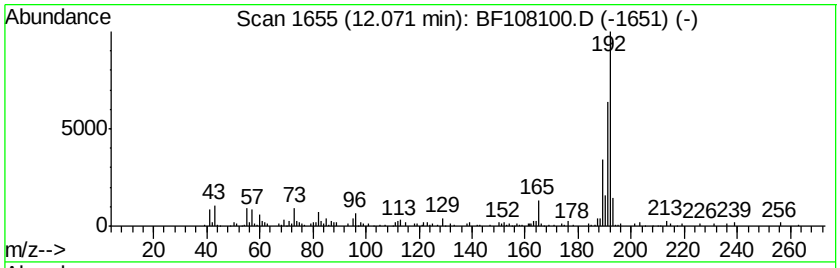
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

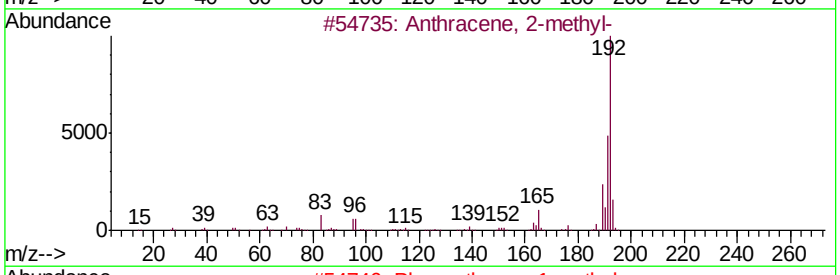
****

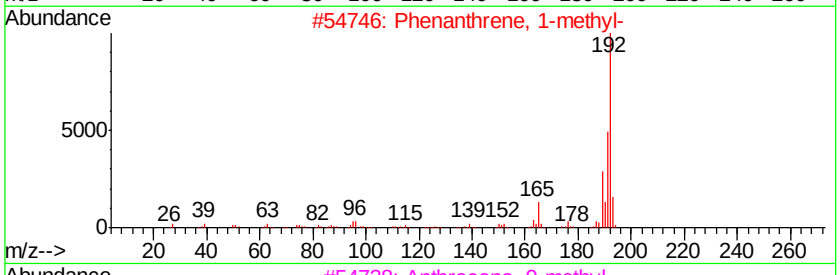
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 12

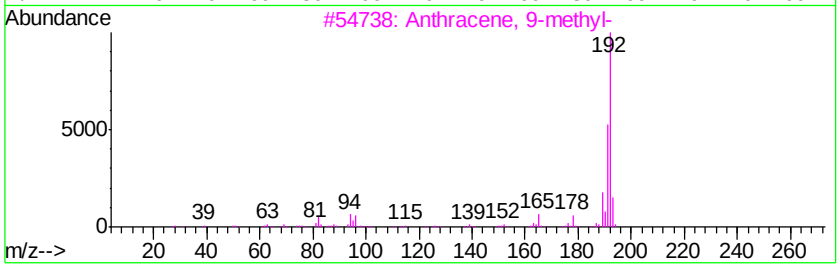
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.27 ng	147390	Phenanthrene-d10	11.57

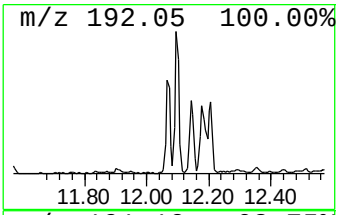
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	62

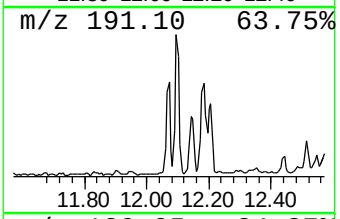


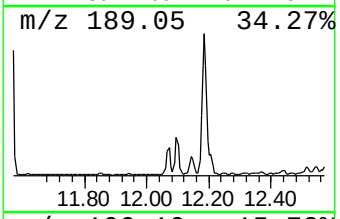


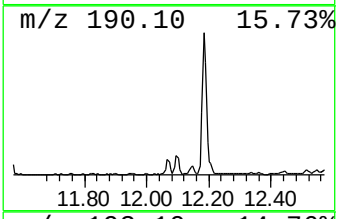


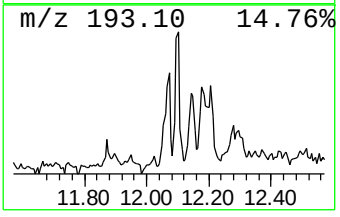












Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

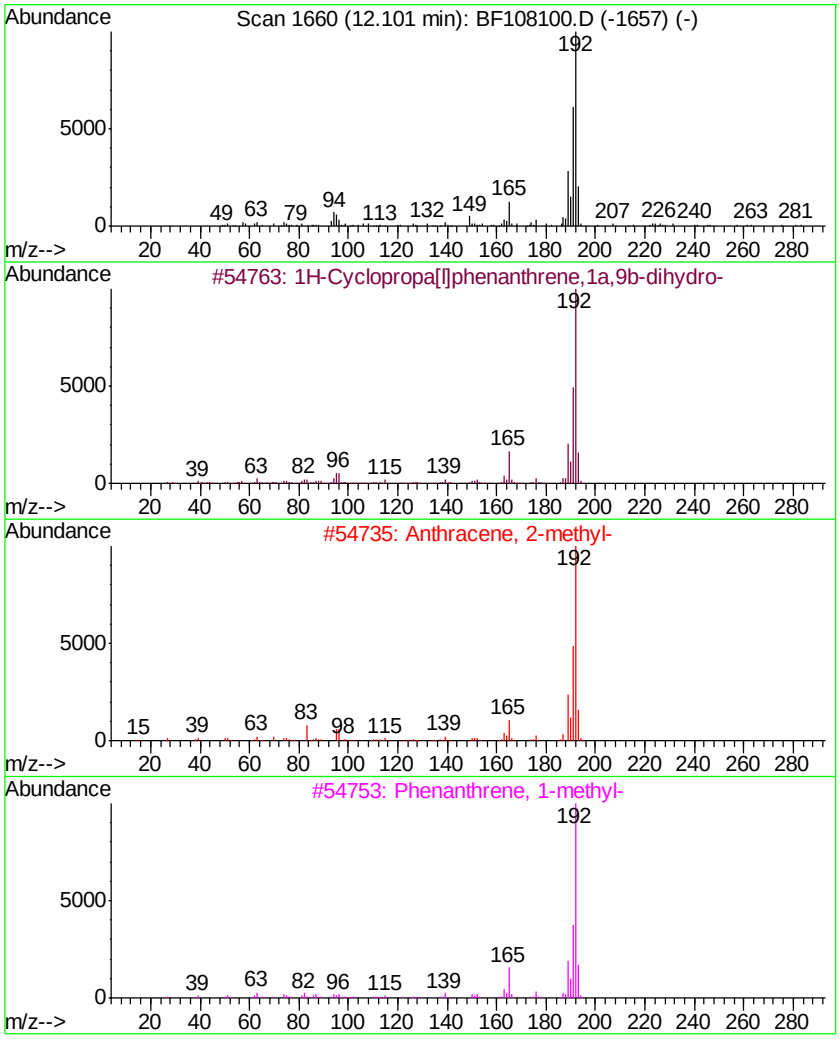
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

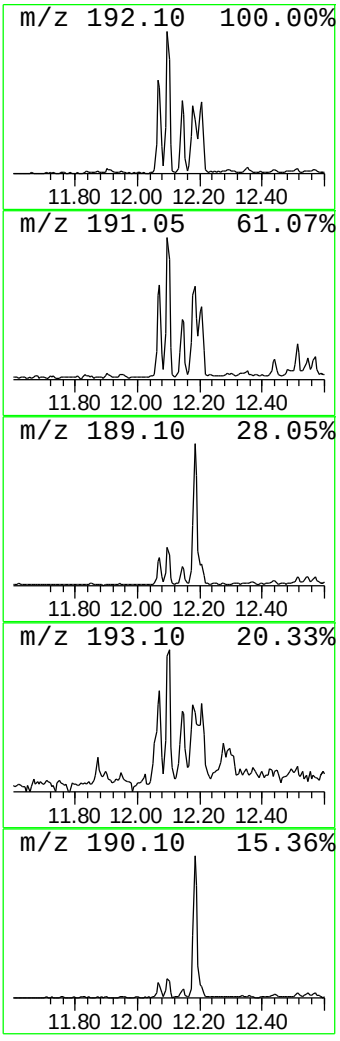
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.32 ng	150524	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

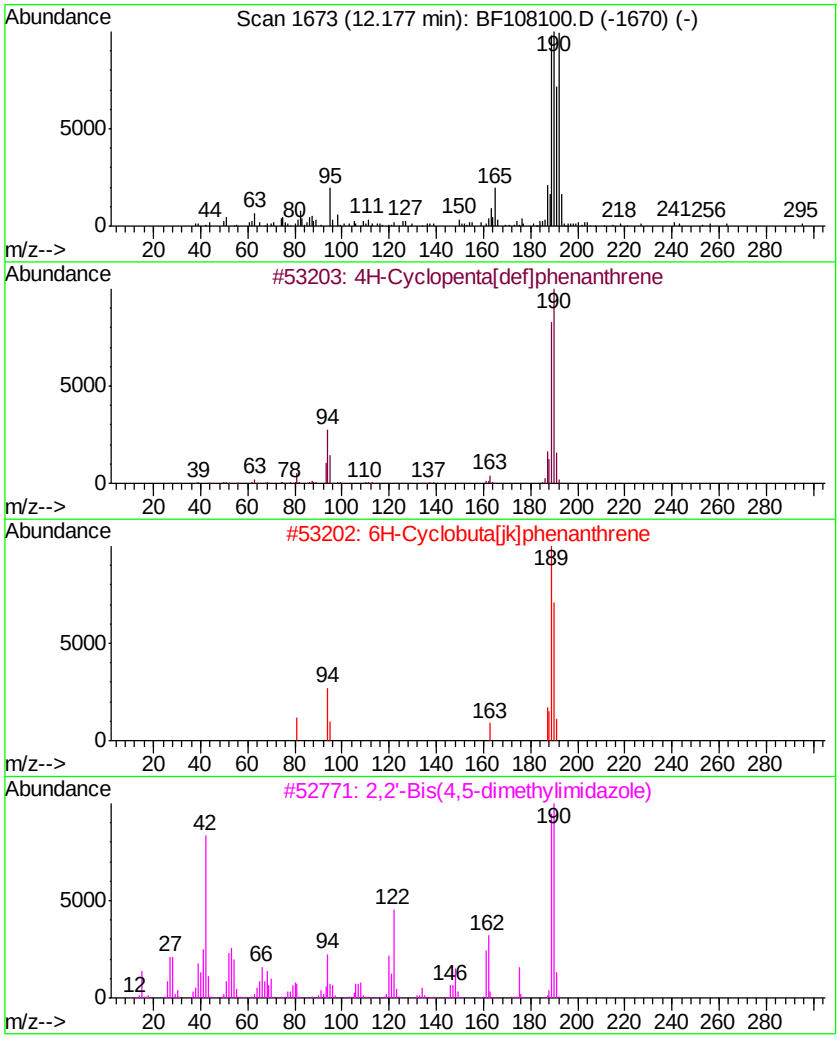
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

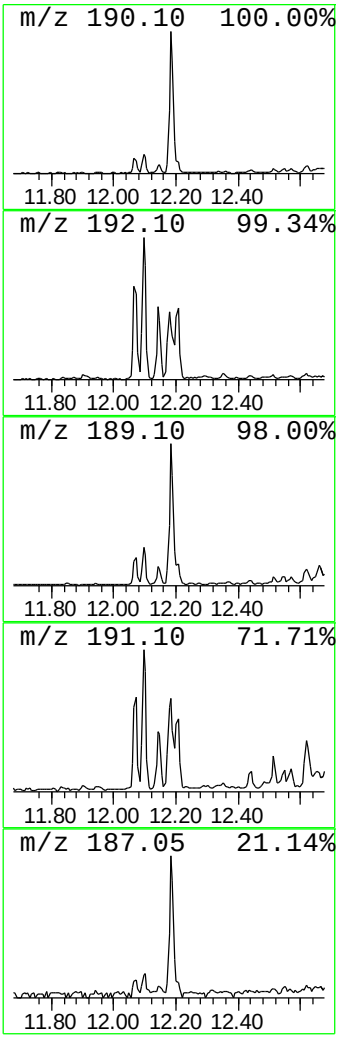
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	3.65 ng	236727	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18
5	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

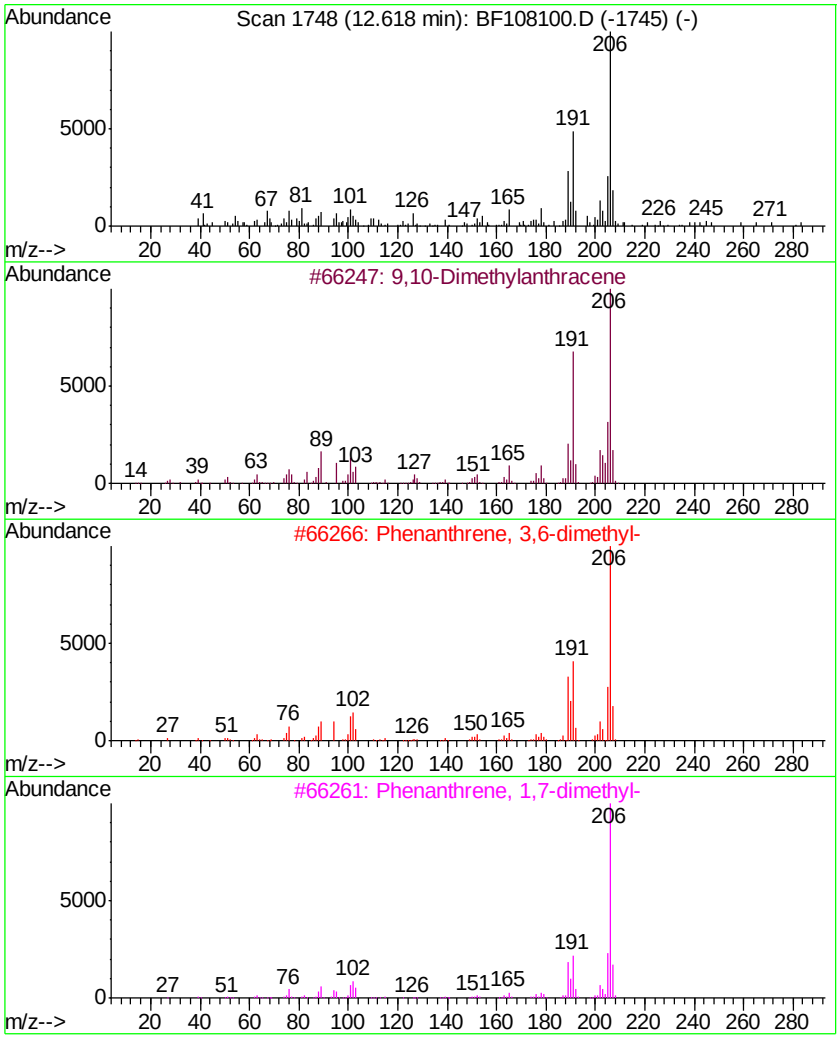
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

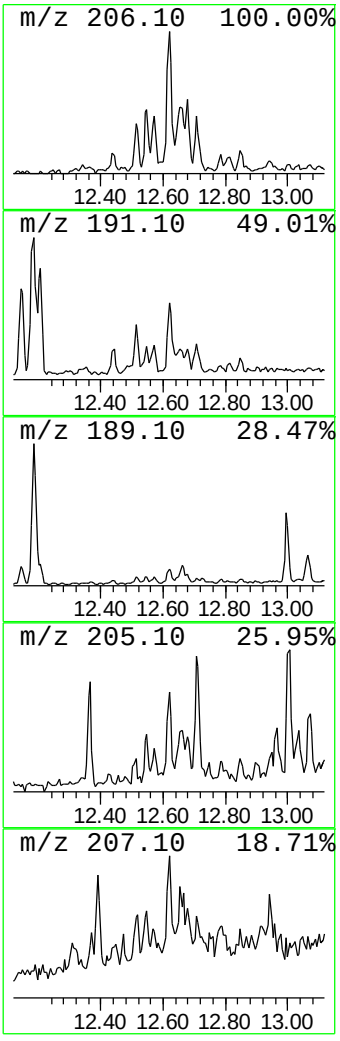
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.74 ng	177633	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

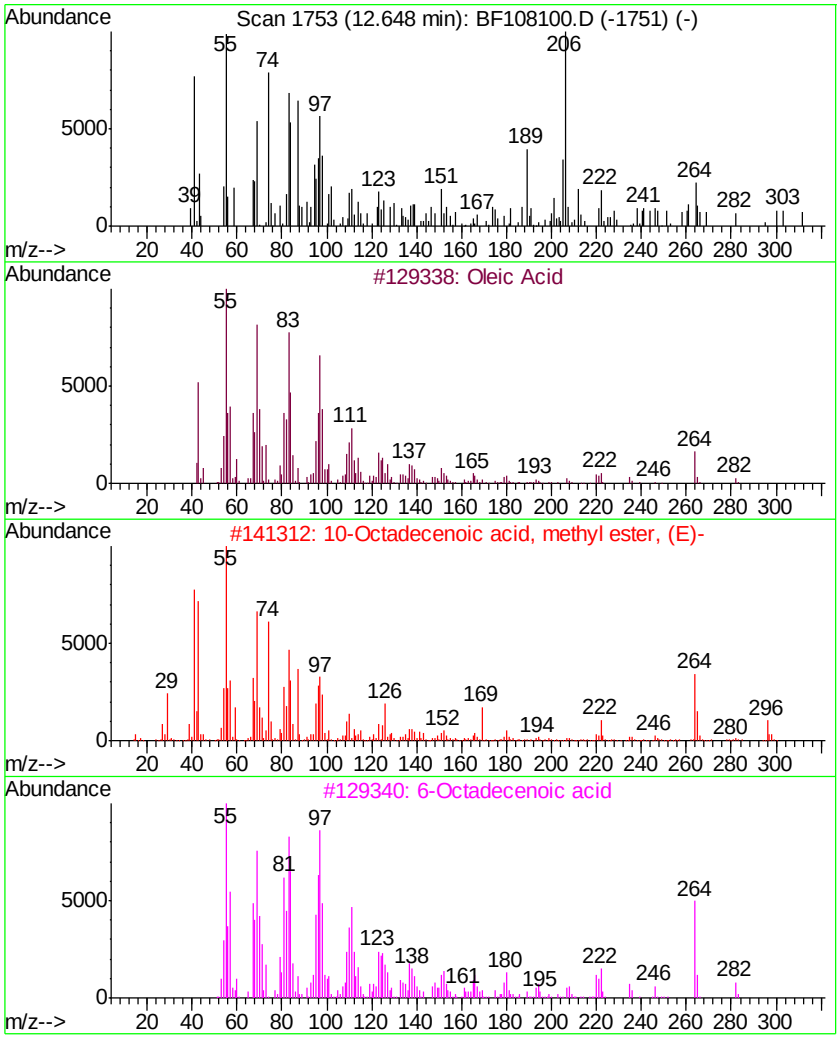
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

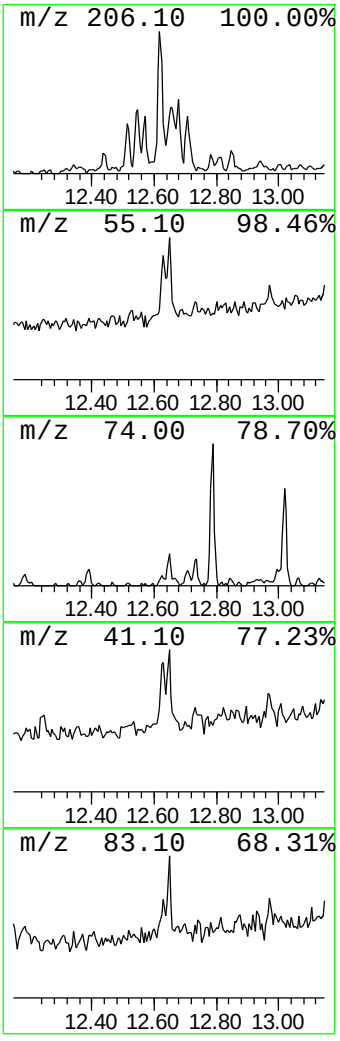
****

Peak Number 8 Oleic Acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.49 ng	161128	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic Acid	282	C18H34O2	000112-80-1	90
2	10-Octadecenoic acid, methyl est...	296	C19H36O2	013038-45-4	49
3	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	45
4	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	43
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	38





Library Search Compound Report

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Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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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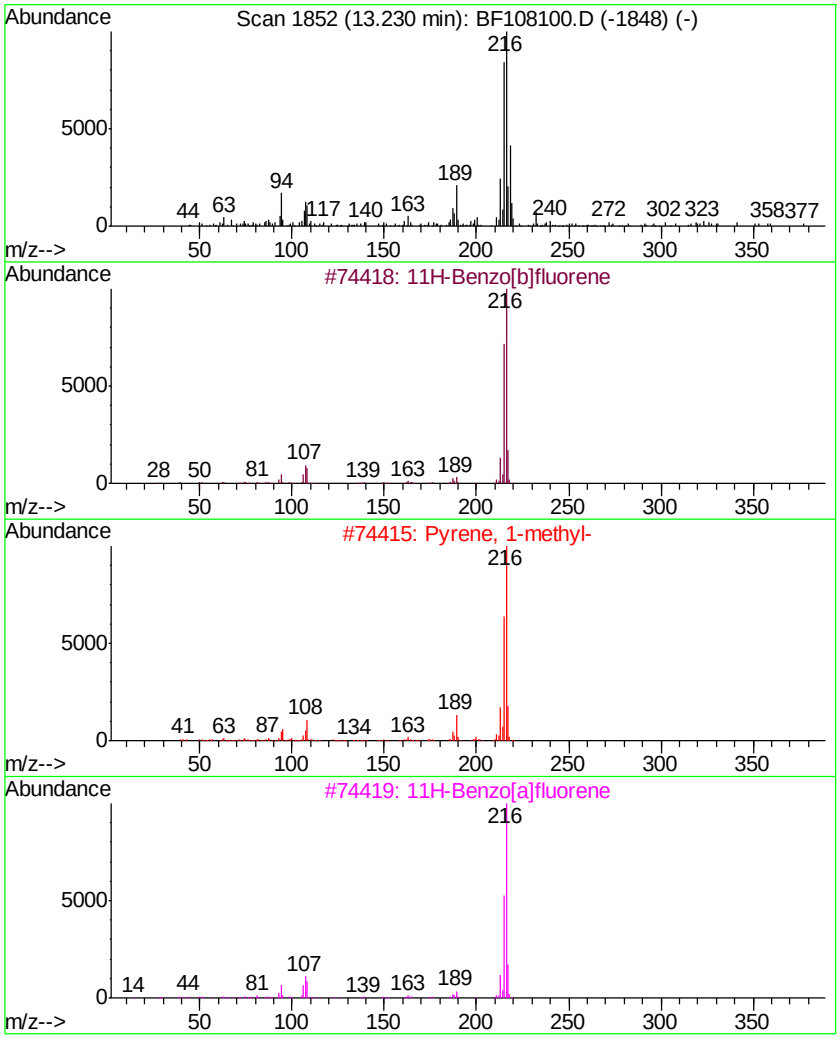
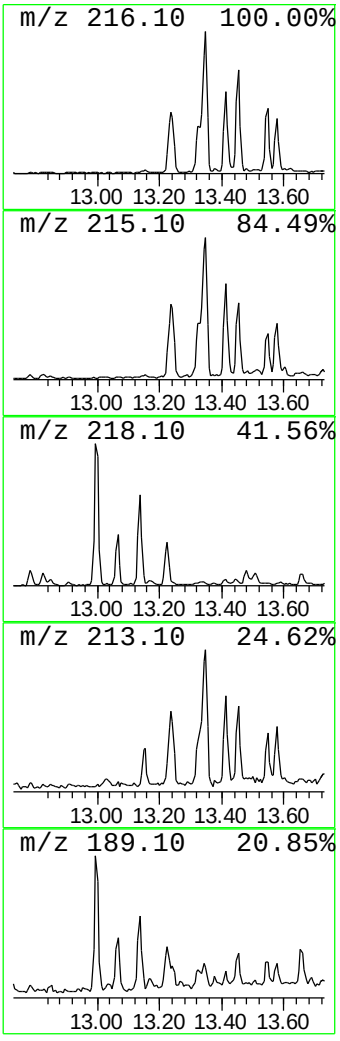
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.54 ng	265085	Chrysene-d12	14.22

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	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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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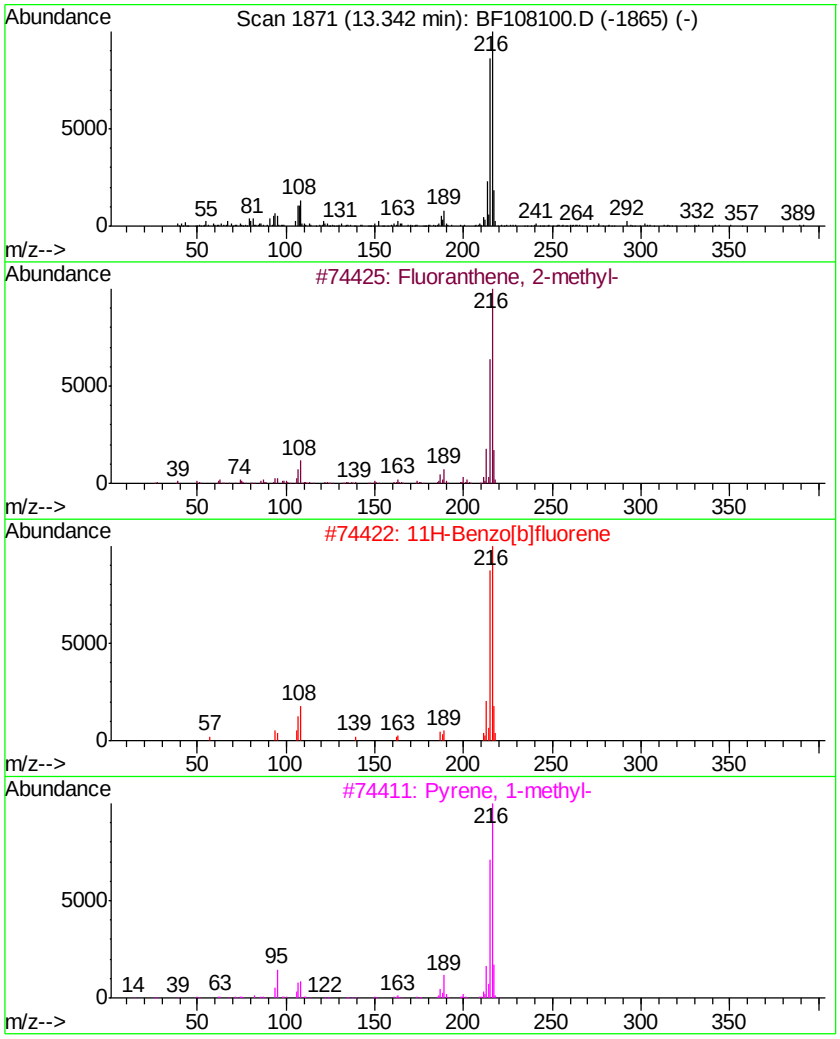
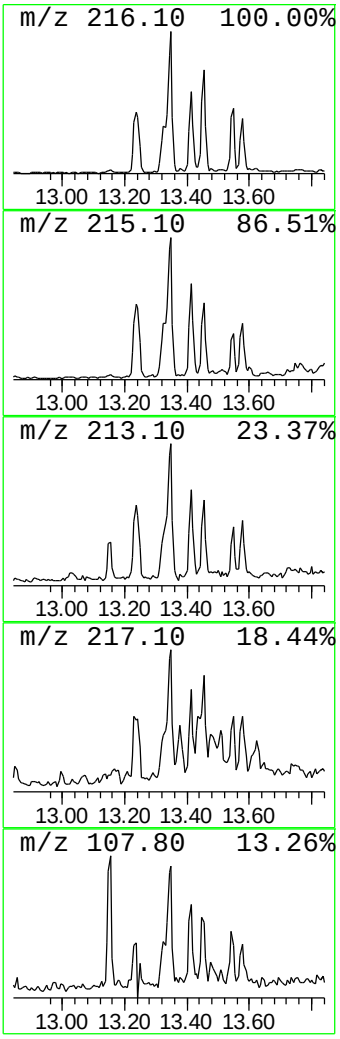
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.25 ng	339296	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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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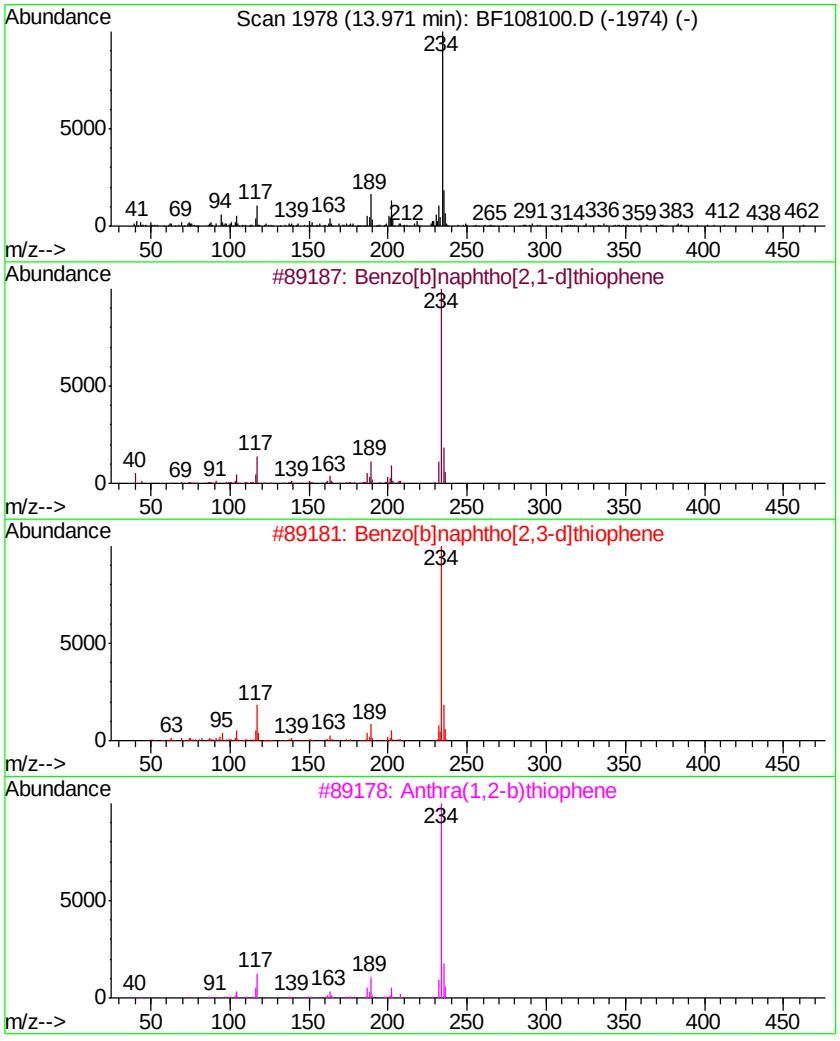
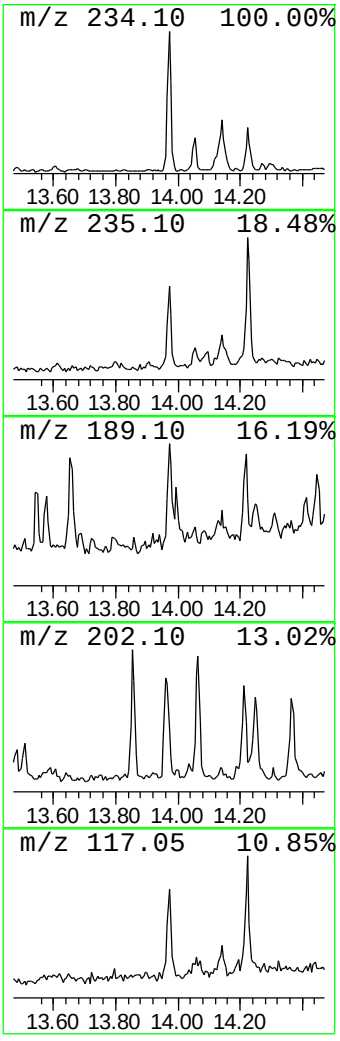
Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	2.35 ng	245257	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	87
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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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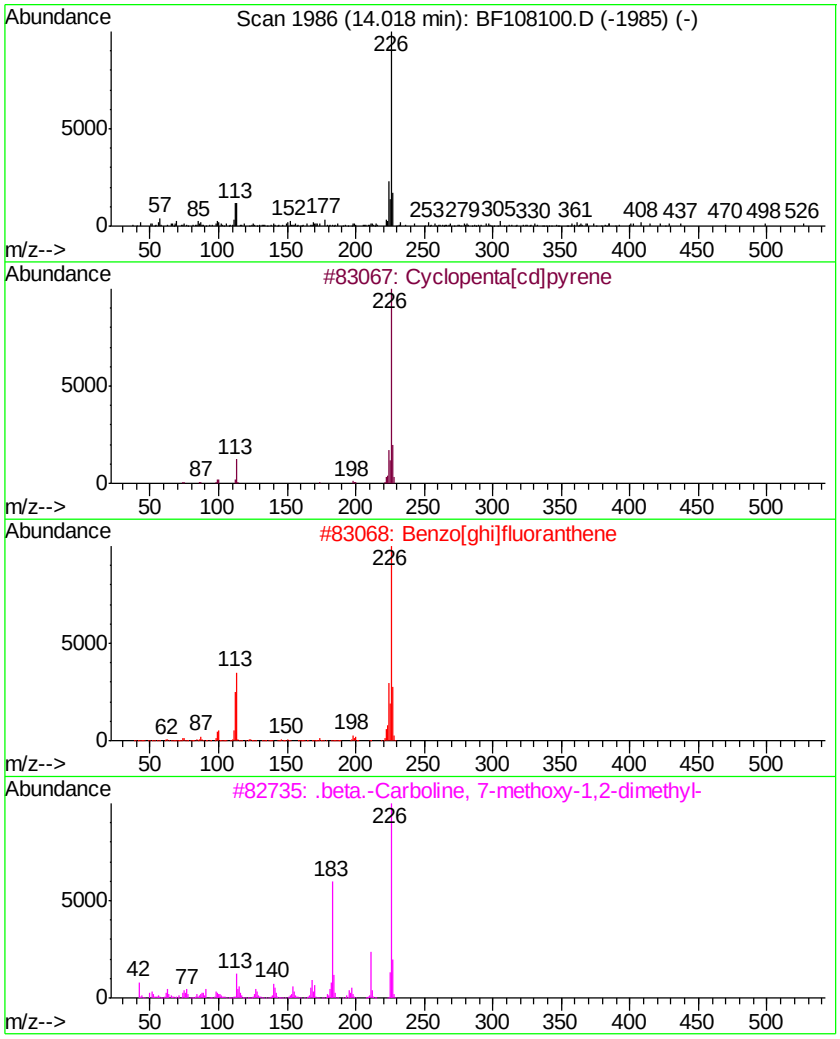
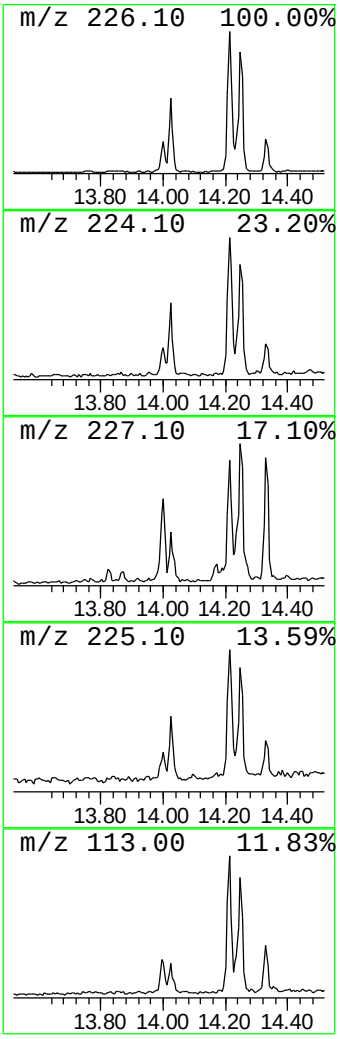
Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.01 ng	210069	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	58
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	45
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	40
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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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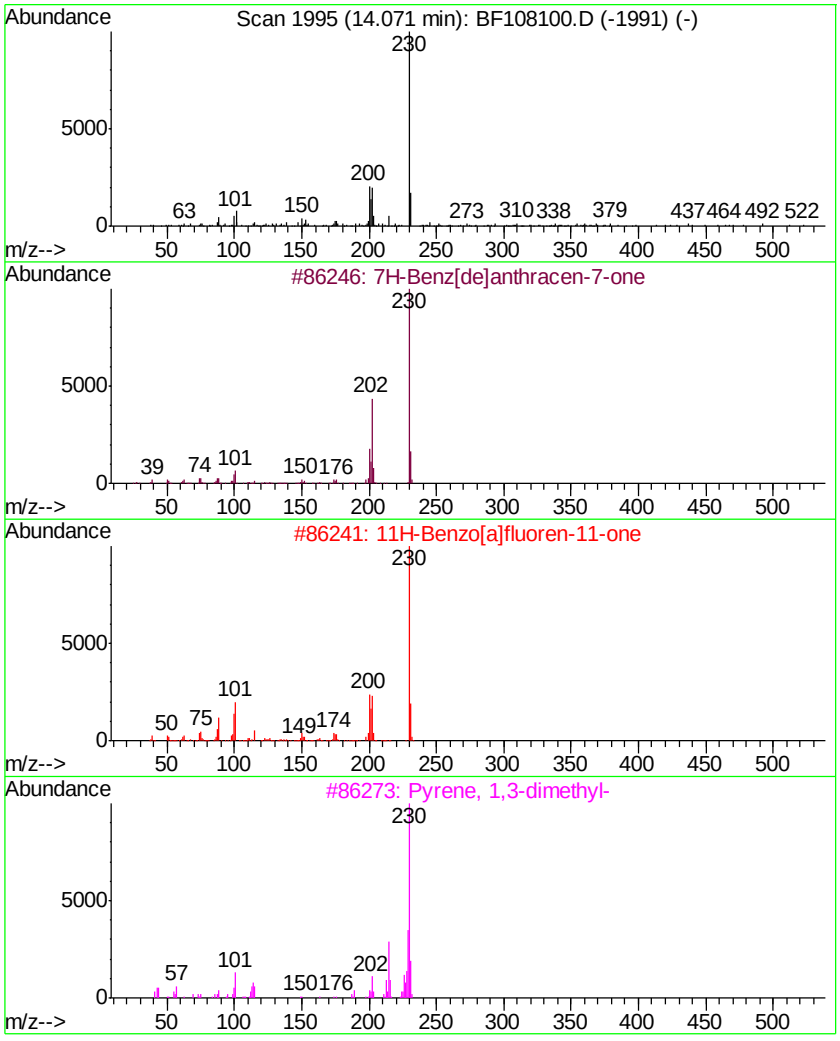
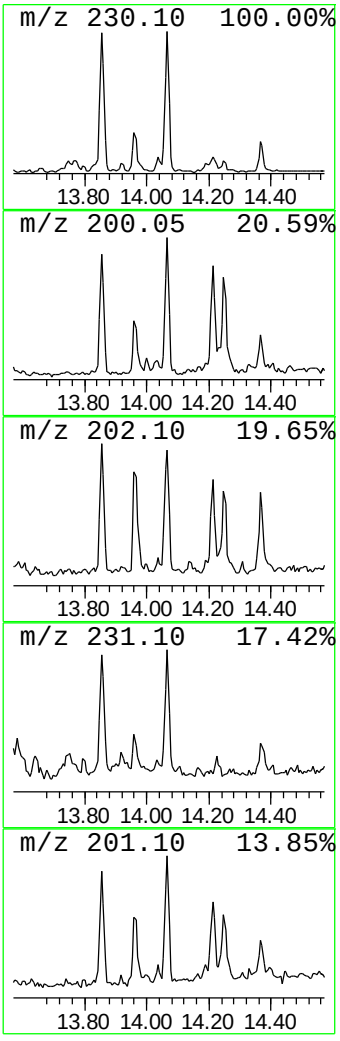
Peak Number 13 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	2.05 ng	214034	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
4	o-Terphenyl	230	C18H14	000084-15-1	50
5	Benzo(b)phenazine	230	C16H10N2	000257-97-6	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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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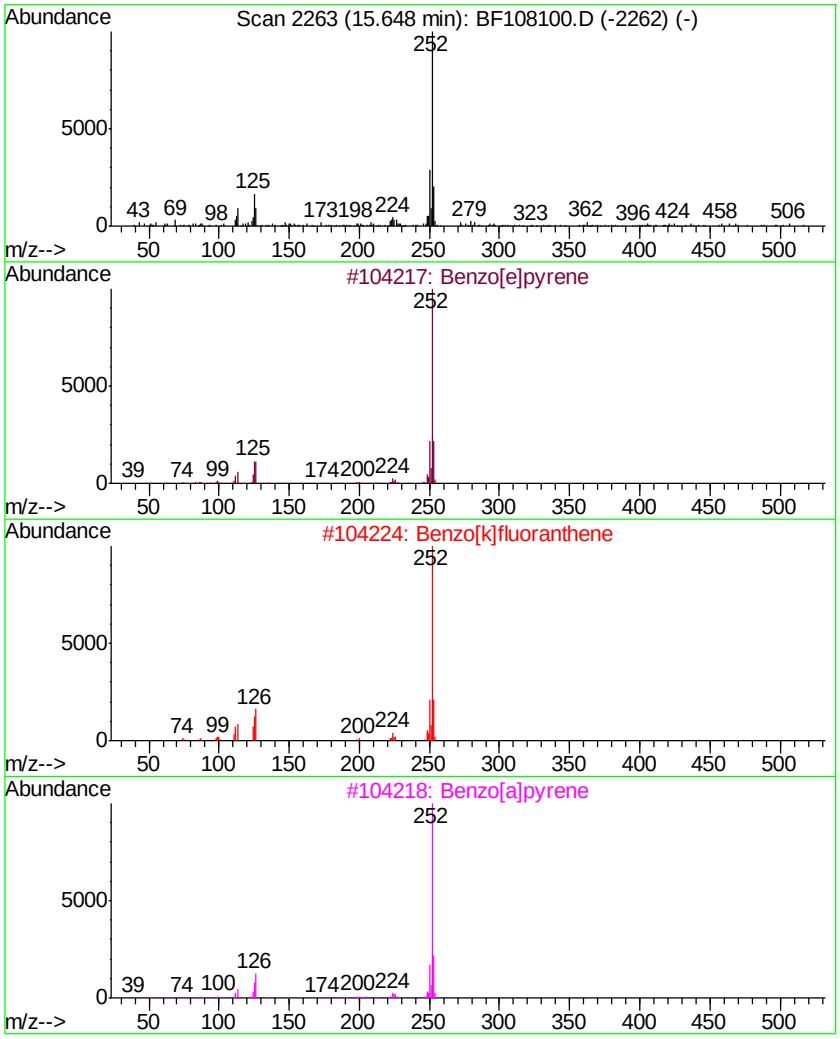
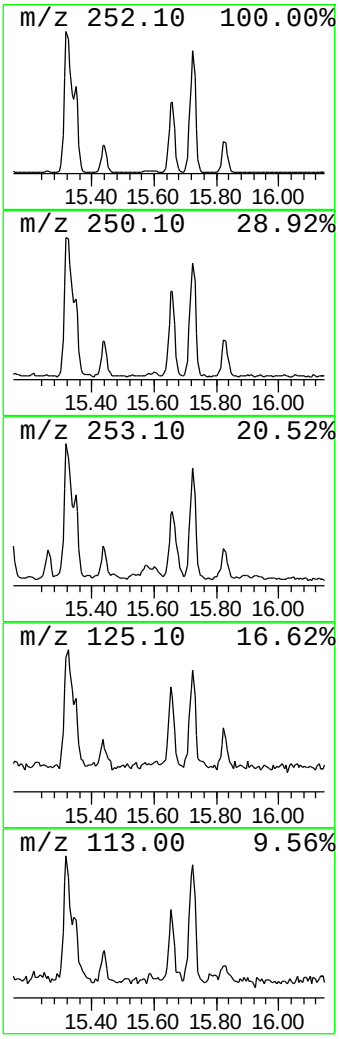
Peak Number 14 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	10.34 ng	354760	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108100.D
Acq On : 10 Aug 2018 22:41
Operator : JU/SJ
Sample : J4272-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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	3.1	ng	195785	1	7.02	1265970	20.0
unknown6.78	6.78	17.7	ng	1118120	1	7.02	1265970	20.0
Anthracene, 2-met...	12.07	2.3	ng	147390	4	11.57	1296180	20.0
1H-Cyclopropa[l]p...	12.10	2.3	ng	150524	4	11.57	1296180	20.0
4H-Cyclopenta[def...	12.18	3.6	ng	236727	4	11.57	1296180	20.0
9,10-Dimethylanth...	12.62	2.7	ng	177633	4	11.57	1296180	20.0
Oleic Acid	12.65	2.5	ng	161128	4	11.57	1296180	20.0
11H-Benzo[b]fluorene	13.23	2.5	ng	265085	5	14.22	2088840	20.0
Fluoranthene, 2-m...	13.34	3.3	ng	339296	5	14.22	2088840	20.0
Benzo[b]naphtho[2...	13.97	2.4	ng	245257	5	14.22	2088840	20.0
Cyclopenta[cd]pyrene	14.02	2.0	ng	210069	5	14.22	2088840	20.0
7H-Benz[de]anthra...	14.07	2.0	ng	214034	5	14.22	2088840	20.0
Benzo[e]pyrene	15.65	10.3	ng	354760	6	15.79	686276	20.0