LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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	5.260	492	497	504	rVB	144350	185940	5.15%	0.476%
2	5.643	557	562	565	rBV	3589423	3545568	98.28%	9.070%
3	6.637	725	731	734	rBV	3628595	3570465	98.97%	9.134%
4	6.784	752	756	760	rBV	3676761	3607538	100.00%	9.229%
5	7.013	792	795	799	rBV	1058282	932739	25.86%	2.386%
6	7.172	818	822	826	rBV	3192097	2708533	75.08%	6.929%
7	7.578	886	891	894	rBV	2556083	2309979	64.03%	5.909%
8	8.301	1010	1014	1016	rBV	1170695	1067654	29.60%	2.731%
9	9.372	1191	1196	1199	rBV	4177887	3457374	95.84%	8.845%
10	9.760	1259	1262	1270	rVB	232467	185151	5.13%	0.474%
11	10.060	1309	1313	1316	rBV	1233762	1031845	28.60%	2.640%
12	10.089	1316	1318	1322	rVB	102422	90342	2.50%	0.231%
13	10.266	1344	1348	1351	rBV2	49871	51706	1.43%	0.132%
14	10.466	1377	1382	1387	rVB3	43800	58328	1.62%	0.149%
15	10.607	1403	1406	1412	rVB2	75413	86983	2.41%	0.223%
16	10.854	1443	1448	1454	rBV	2099011	2026066	56.16%	5.183%
17	10.954	1460	1465	1474	rVB4	40924	80384	2.23%	0.206%
18	11.283	1517	1521	1523	rBV3	32725	43024	1.19%	0.110%
19	11.395	1537	1540	1547	rBV4	47405	77018	2.13%	0.197%
20	11.554	1564	1567	1569	rBV	1151889	992462	27.51%	2.539%
21	11.577	1569	1571	1575	rVV	897561	777348	21.55%	1.989%
22	11.630	1575	1580	1583	rVV	218555	175040	4.85%	0.448%
23	11.783	1601	1606	1610	rBV2	82825	90817	2.52%	0.232%
24	12.060	1650	1653	1655	rBV	145840	138808	3.85%	0.355%
25	12.083	1655	1657	1662	rVV2	153898	147776	4.10%	0.378%
26	12.130	1662	1665	1668	rVV	58589	56988	1.58%	0.146%
27	12.172	1668	1672	1674	rVV2	146785	166493	4.62%	0.426%
28	12.195	1674	1676	1679	rVB	79340	62511	1.73%	0.160%
29	12.354	1699	1703	1705	rBV	88928	79569	2.21%	0.204%
30	12.377	1705	1707	1711	rVB	73852	63376	1.76%	0.162%
31	12.613	1743	1747	1750	rBV2	62296	82718	2.29%	0.212%
32	12.701	1759	1762	1766	rVB	53693	63215	1.75%	0.162%
33	12.777	1771	1775	1778	rBV	1227146	981551	27.21%	2.511%
34	12.989	1807	1811	1812	rBV2	220220	227691	6.31%	0.582%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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	13.007	1812	1814	1819	rVB	980228	823695	22.83%	2.107%
36	13.054	1819	1822	1827	rVB2	68867	75573	2.09%	0.193%
37	13.142	1831	1837	1840	rBV	3756445	3226480	89.44%	8.254%
38	13.224	1846	1851	1854	rBV3	60896	109369	3.03%	0.280%
39	13.307	1861	1865	1866	rBV2	41604	48472	1.34%	0.124%
40	13.336	1867	1870	1872	rVV	69620	74372	2.06%	0.190%
41	13.401	1878	1881	1883	rBV	66522	56730	1.57%	0.145%
42	13.436	1883	1887	1890	rVV2	82058	100857	2.80%	0.258%
43	13.536	1901	1904	1906	rBV	43384	44260	1.23%	0.113%
44	13.566	1906	1909	1915	rVV3	59242	78430	2.17%	0.201%
45	13.695	1927	1931	1933	rBV3	46243	64987	1.80%	0.166%
46	13.842	1953	1956	1960	rVB	88884	92905	2.58%	0.238%
47	13.960	1971	1976	1978	rBV2	60387	89849	2.49%	0.230%
48	13.983	1978	1980	1983	rVV	83200	81370	2.26%	0.208%
49	14.030	1983	1988	1999	rVB5	283323	602543	16.70%	1.541%
50	14.207	2013	2018	2021	rBV2	1324760	1608715	44.59%	4.115%
51	14.236	2021	2023	2029	rVB	434857	373769	10.36%	0.956%
52	14.318	2034	2037	2039	rBV	77569	75595	2.10%	0.193%
53	14.595	2082	2084	2087	rVB	72445	53525	1.48%	0.137%
54	14.677	2095	2098	2103	rVB4	83582	136403	3.78%	0.349%
55	15.301	2200	2204	2207	rBV	257745	407707	11.30%	1.043%
56	15.630	2257	2260	2266	rVB	141384	187951	5.21%	0.481%
57	15.701	2268	2272	2278	rVB	215550	283603	7.86%	0.726%
58	15.771	2278	2284	2288	rBV	570224	817915	22.67%	2.092%
59	16.236	2360	2363	2369	rVB2	51715	74721	2.07%	0.191%
60	17.383	2554	2558	2565	rVB2	74323	142038	3.94%	0.363%
61	17.871	2637	2641	2651	rVB	58209	134486	3.73%	0.344%

Sum of corrected areas: 39089320

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
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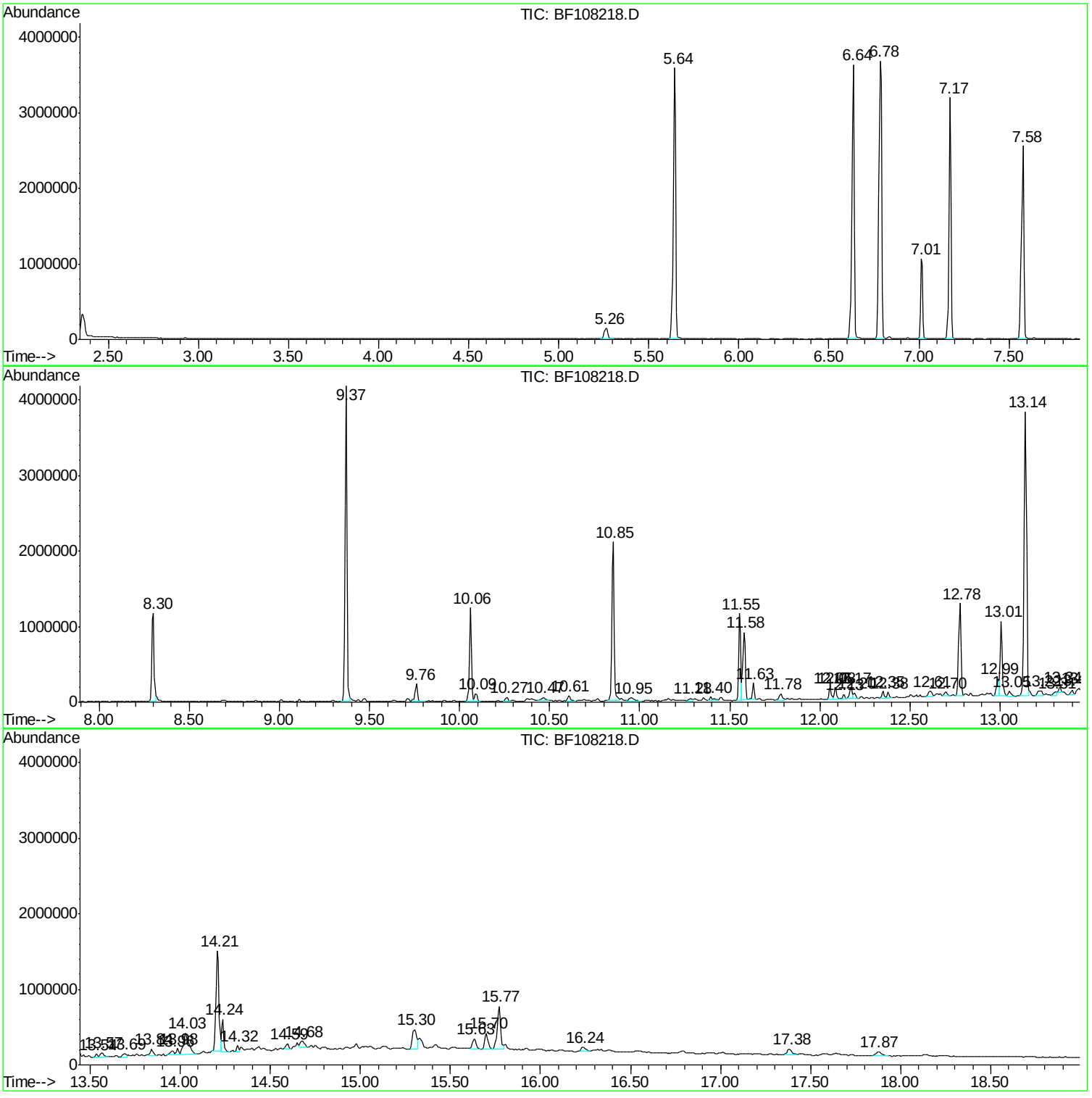
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-017

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\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

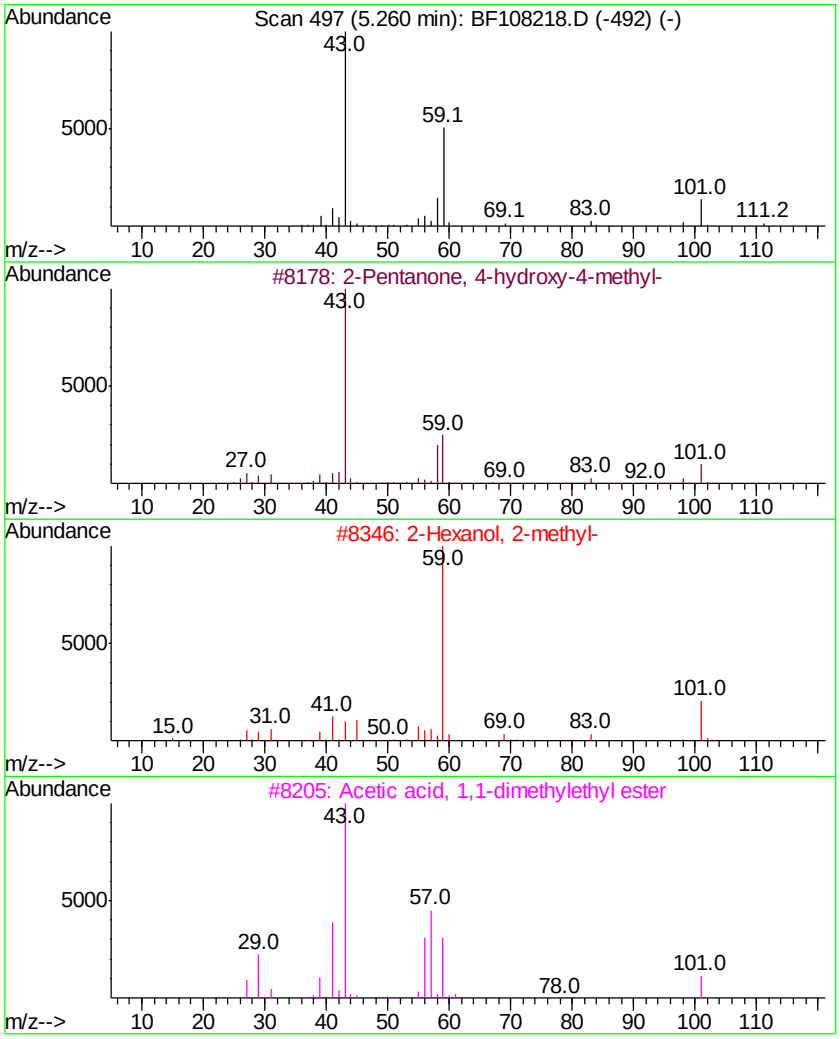
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

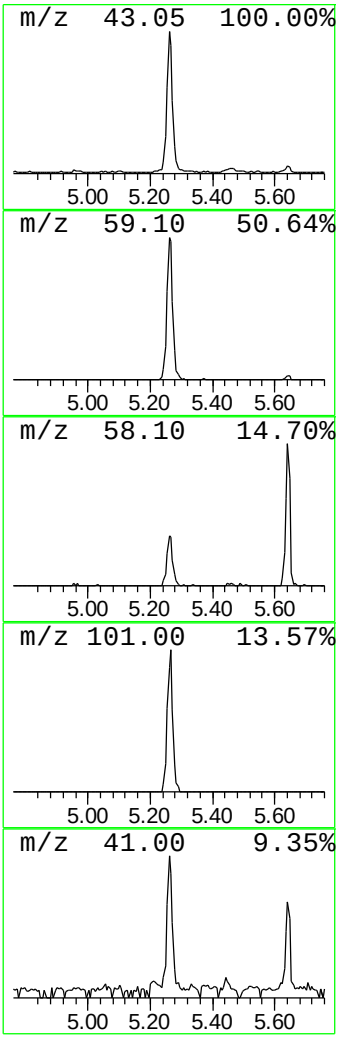
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	3.99 ng	185940	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	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	37
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	3-Octanol	130	C8H18O	000589-98-0	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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

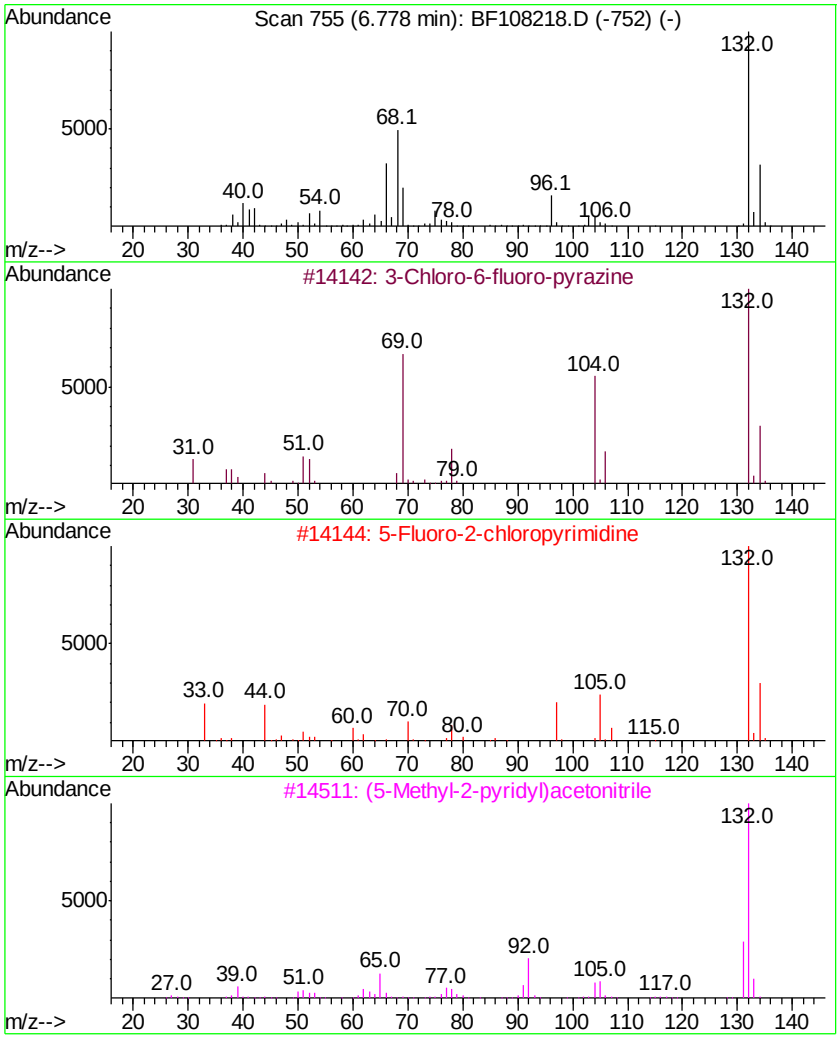
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

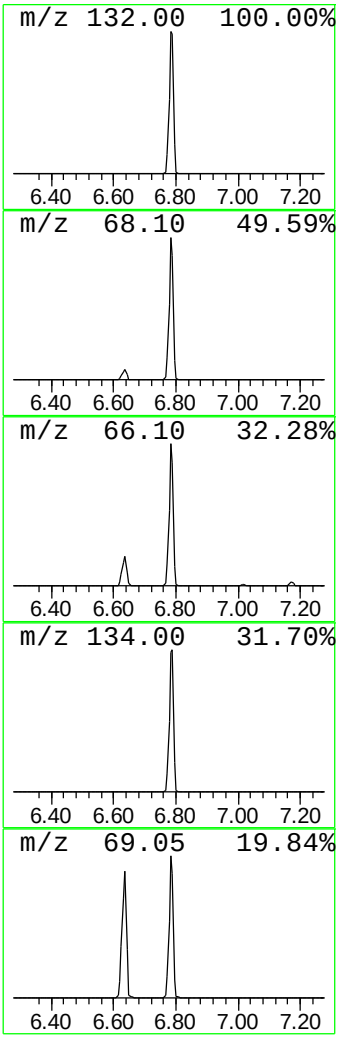
****

Peak Number 2 unknown6.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	77.35 ng	3607540	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	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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

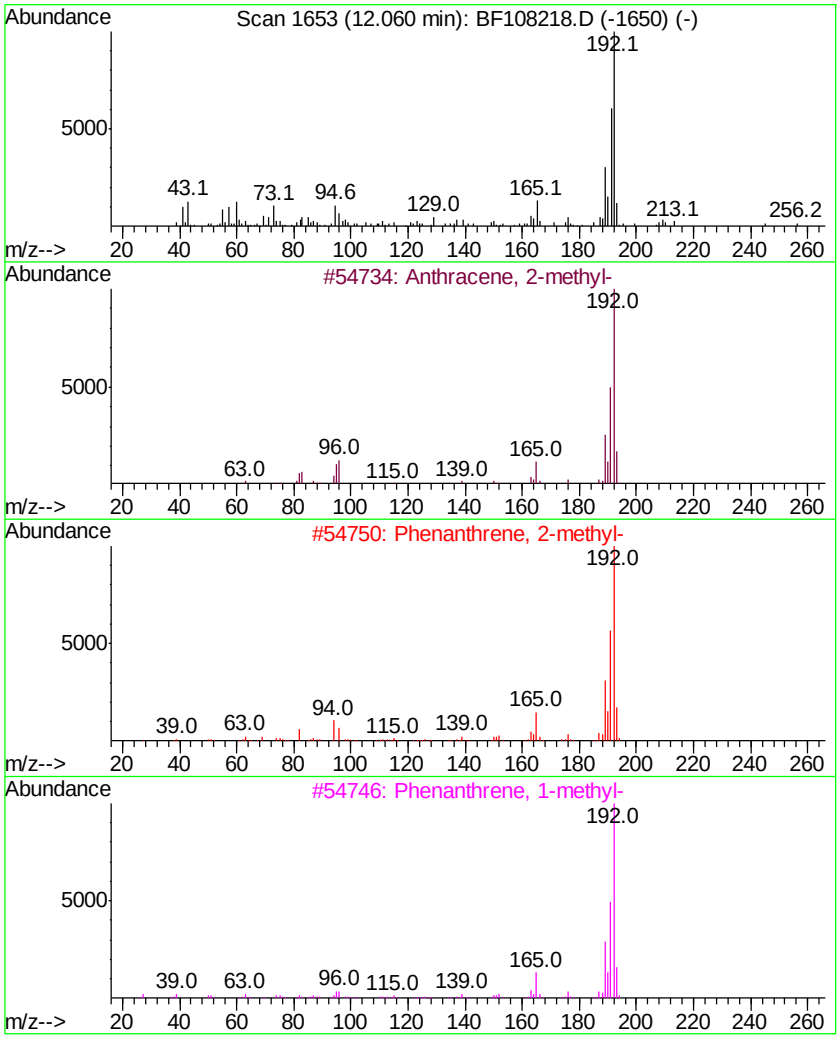
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

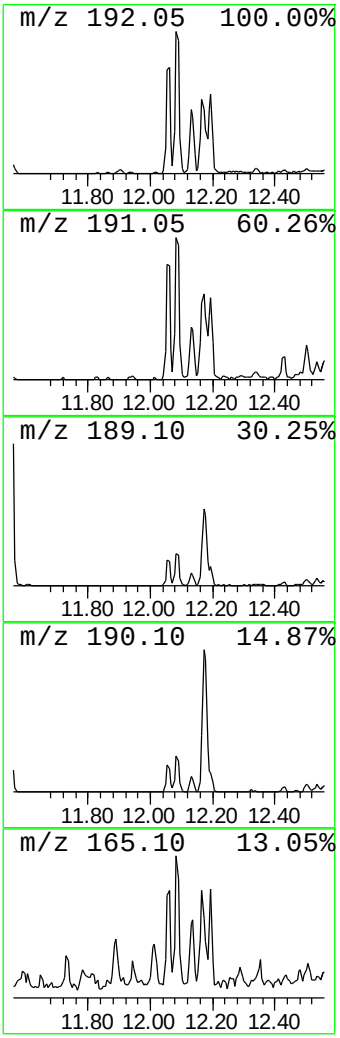
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.80 ng	138808	Phenanthrene-d10	11.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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

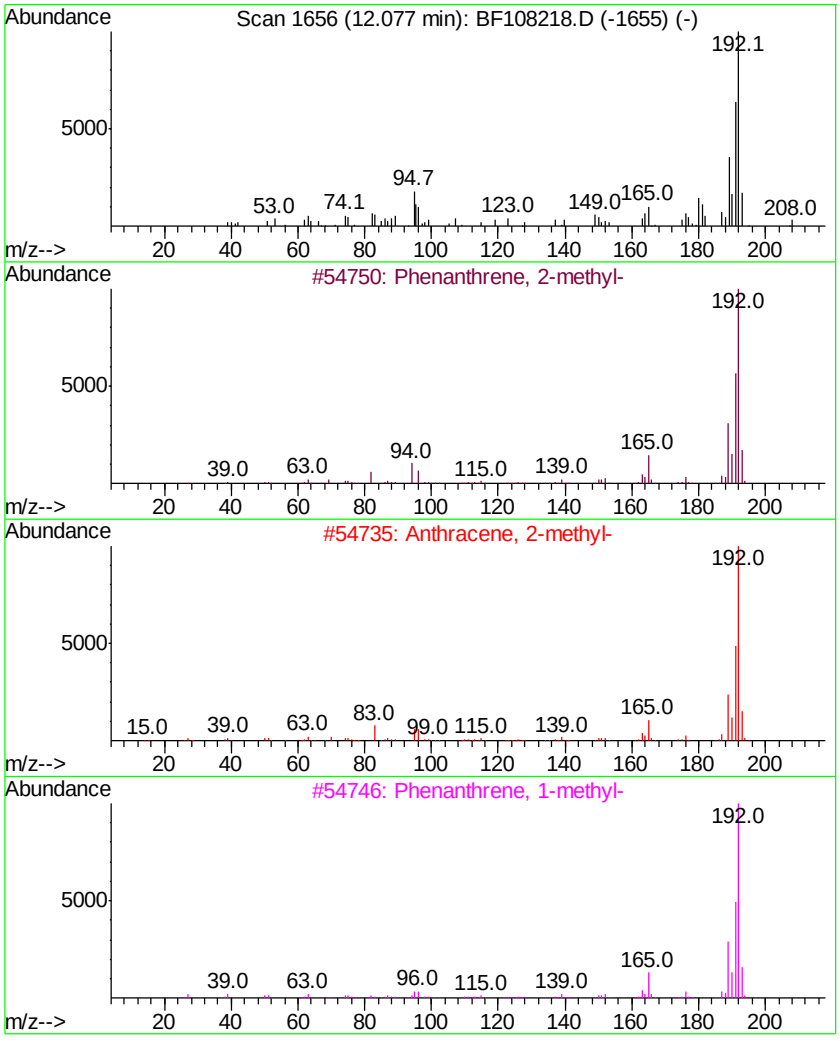
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

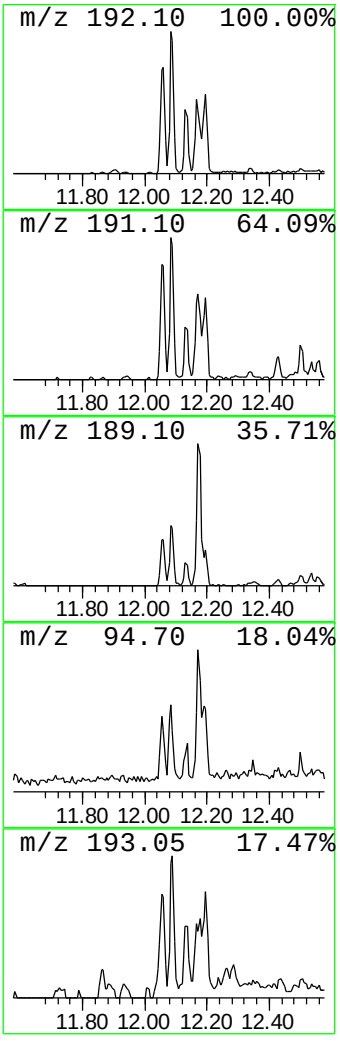
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.98 ng	147776	Phenanthrene-d10	11.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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

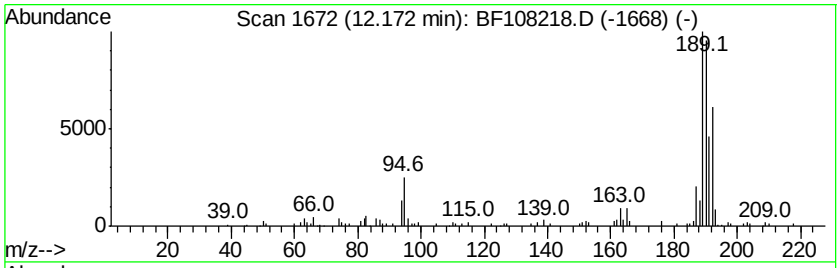
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

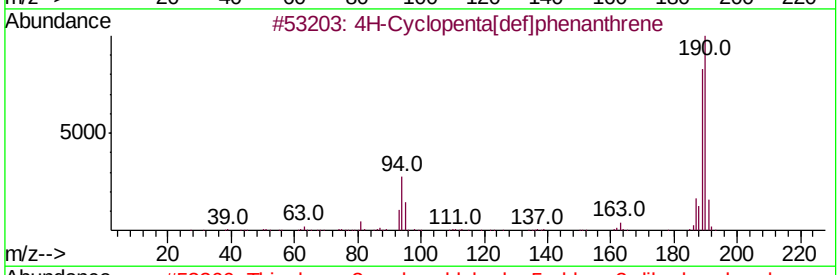
****

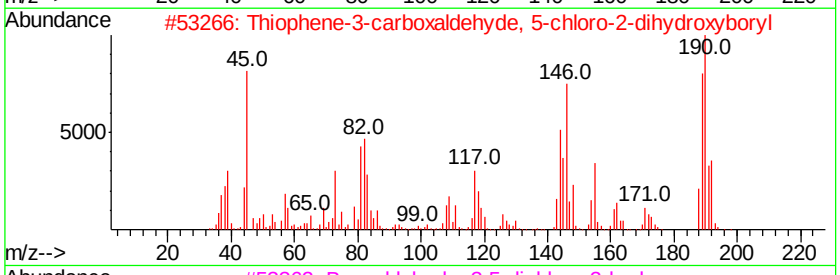
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

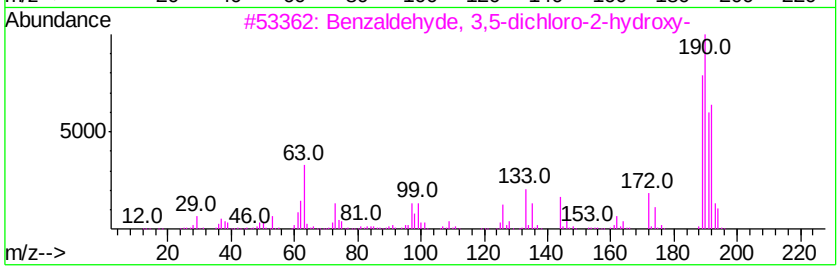
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.36 ng	166493	Phenanthrene-d10	11.55

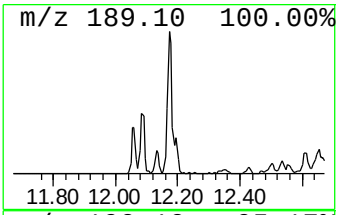
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38

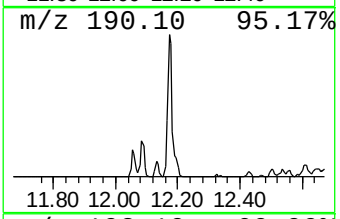


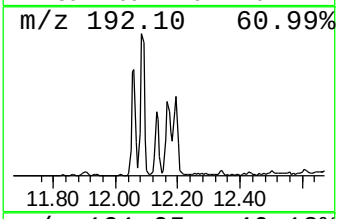


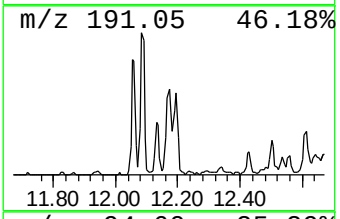


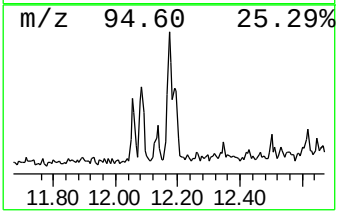












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Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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

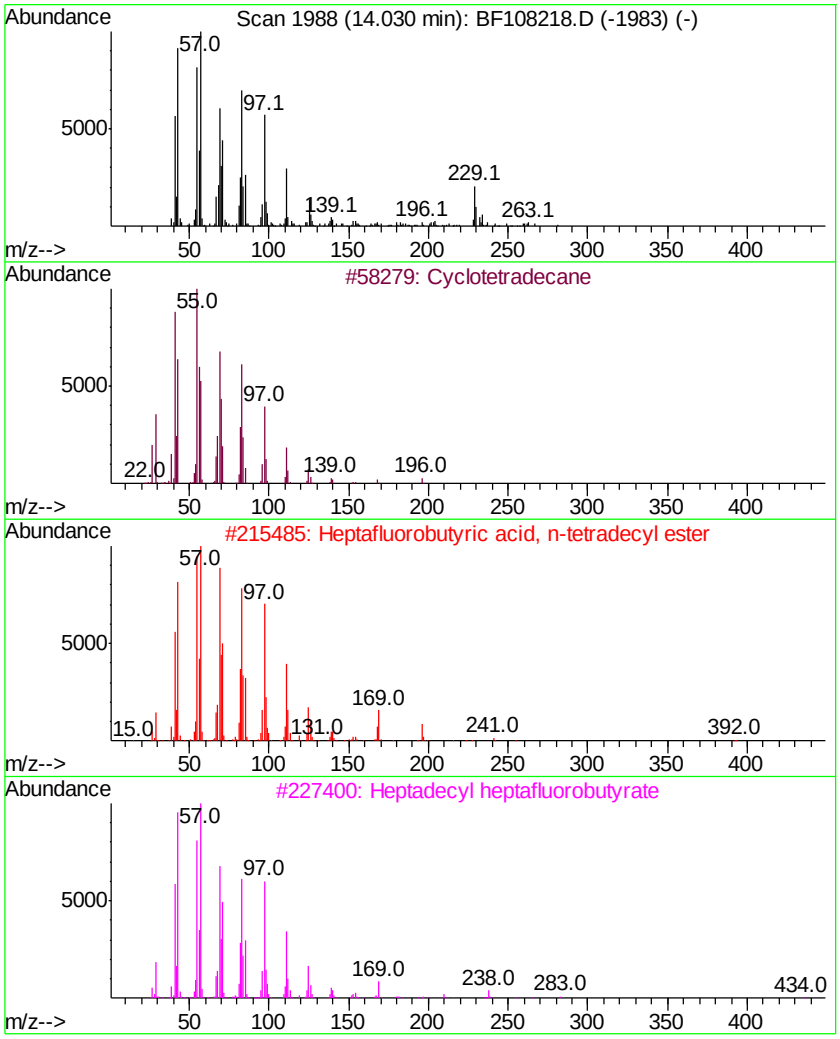
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

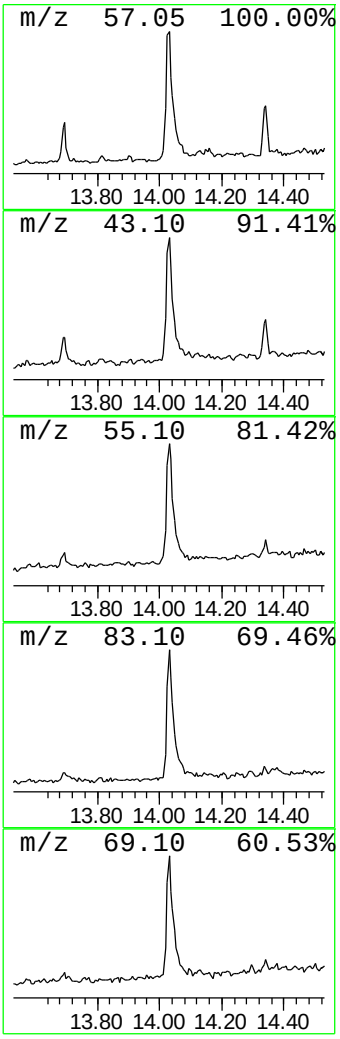
****

Peak Number 7 Cyclotetradecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	7.49 ng	602543	Chrysene-d12	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	93
2	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	91
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	87
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	87
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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

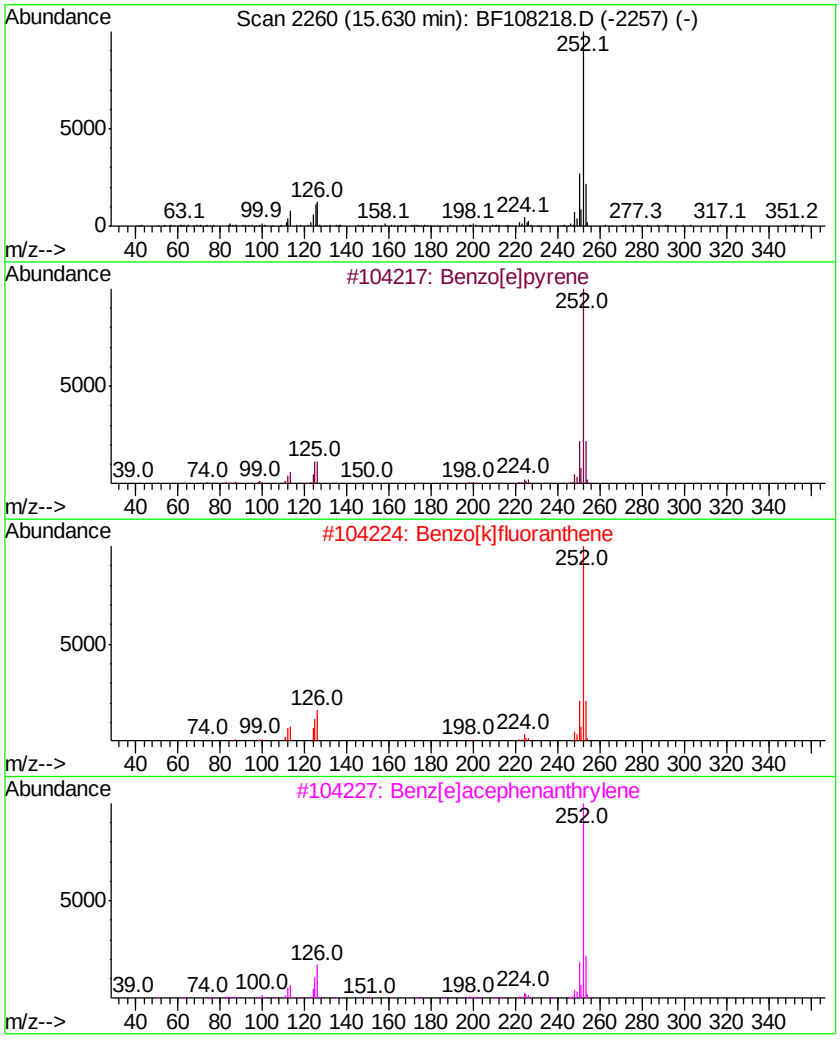
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

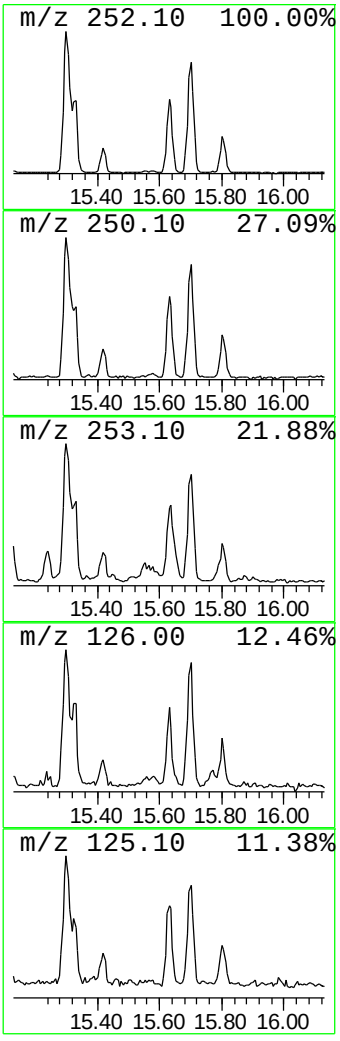
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	4.60 ng	187951	Perylene-d12	15.77

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	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081318-FL-017

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...	5.26	4.0	ng	185940	1	7.02	932739	20.0
unknown6.78	6.78	77.3	ng	3607540	1	7.02	932739	20.0
Anthracene, 2-met...	12.06	2.8	ng	138808	4	11.55	992462	20.0
Phenanthrene, 2-m...	12.08	3.0	ng	147776	4	11.55	992462	20.0
4H-Cyclopenta[def...	12.17	3.4	ng	166493	4	11.55	992462	20.0
Cyclotetradecane	14.03	7.5	ng	602543	5	14.21	1608720	20.0
Benzo[e]pyrene	15.63	4.6	ng	187951	6	15.77	817915	20.0