LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

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-BF061918.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	5.184	480	484	497	rBV	86789	107983	12.20%	1.118%
2	5.596	550	554	571	rBV	796933	771976	87.22%	7.993%
3	6.601	720	725	739	rBV	703532	793600	89.67%	8.216%
4	6.725	742	746	750	rVV	772428	764719	86.40%	7.917%
5	6.760	750	752	761	rVB3	11058	11409	1.29%	0.118%
6	6.948	780	784	787	rBV	255748	214088	24.19%	2.217%
7	7.101	806	810	814	rBV	655084	608853	68.79%	6.304%
8	7.513	876	880	895	rBV	466544	455683	51.49%	4.718%
9	8.231	998	1002	1005	rBV	279622	245186	27.70%	2.538%
10	8.948	1121	1124	1128	rBB	18631	15962	1.80%	0.165%
11	9.307	1180	1185	1188	rBV	875359	821366	92.81%	8.504%
12	9.366	1192	1195	1199	rVV	12563	12596	1.42%	0.130%
13	9.407	1199	1202	1206	rVB	10440	9216	1.04%	0.095%
14	9.695	1246	1251	1257	rVB	192246	157774	17.83%	1.633%
15	9.854	1274	1278	1281	rBV	24953	22457	2.54%	0.233%
16	9.895	1281	1285	1289	rVB	12025	10369	1.17%	0.107%
17	9.995	1298	1302	1305	rBV	280682	253381	28.63%	2.623%
18	10.025	1305	1307	1310	rVB	17599	13931	1.57%	0.144%
19	10.201	1331	1337	1340	rBV2	15186	18924	2.14%	0.196%
20	10.395	1366	1370	1373	rBV	18126	15198	1.72%	0.157%
21	10.542	1391	1395	1402	rVB2	18176	20492	2.32%	0.212%
22	10.613	1402	1407	1412	rBV3	8603	12296	1.39%	0.127%
23	10.795	1433	1438	1446	rBV	496463	506671	57.25%	5.246%
24	10.872	1448	1451	1455	rVB3	15308	20655	2.33%	0.214%
25	11.301	1520	1524	1525	rBV	14063	13468	1.52%	0.139%
26	11.489	1553	1556	1558	rBV	317856	274028	30.96%	2.837%
27	11.513	1558	1560	1564	rVB	203283	164075	18.54%	1.699%
28	11.566	1566	1569	1573	rBV	61479	49548	5.60%	0.513%
29	11.730	1592	1597	1598	rBV2	16557	17713	2.00%	0.183%
30	11.748	1598	1600	1603	rVB	12562	9994	1.13%	0.103%
31	11.901	1622	1626	1631	rVB5	4614	9954	1.12%	0.103%
32	11.989	1638	1641	1644	rBV	30348	31592	3.57%	0.327%
33	12.019	1644	1646	1651	rVV	38247	39160	4.42%	0.405%
34	12.072	1651	1655	1657	rVV	17283	16513	1.87%	0.171%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.107	1657	1661	1663	rVV2	44343	50072	5.66%	0.518%
36	12.130	1663	1665	1667	rVB	24141	18227	2.06%	0.189%
37	12.283	1689	1691	1695	rBV	25309	23667	2.67%	0.245%
38	12.325	1695	1698	1701	rVB2	24423	23247	2.63%	0.241%
39	12.436	1712	1717	1720	rBV3	12448	15263	1.72%	0.158%
40	12.542	1732	1735	1738	rBV	42742	39753	4.49%	0.412%
41	12.583	1738	1742	1744	rVV3	16066	21161	2.39%	0.219%
42	12.642	1747	1752	1760	rBV3	23596	35671	4.03%	0.369%
43	12.713	1760	1764	1768	rBV	343626	303401	34.28%	3.141%
44	12.807	1778	1780	1783	rBV	16249	13754	1.55%	0.142%
45	12.924	1796	1800	1801	rBV2	58629	61819	6.98%	0.640%
46	12.948	1801	1804	1808	rVV	279800	271764	30.71%	2.814%
47	12.989	1809	1811	1815	rVB2	23871	23383	2.64%	0.242%
48	13.077	1821	1826	1829	rBV	911151	885044	100.00%	9.163%
49	13.107	1829	1831	1835	rVB	16818	16065	1.82%	0.166%
50	13.160	1836	1840	1845	rBV2	18330	34057	3.85%	0.353%
51	13.248	1852	1855	1856	rBV3	23934	23426	2.65%	0.243%
52	13.272	1856	1859	1863	rVB	55215	55819	6.31%	0.578%
53	13.336	1867	1870	1872	rBV	26493	22112	2.50%	0.229%
54	13.377	1875	1877	1879	rVB	21780	16467	1.86%	0.170%
55	13.471	1891	1893	1895	rBV	22828	19123	2.16%	0.198%
56	13.501	1896	1898	1901	rVV2	17505	18178	2.05%	0.188%
57	13.619	1915	1918	1920	rBV	21210	18526	2.09%	0.192%
58	13.789	1944	1947	1950	rVB	28003	25656	2.90%	0.266%
59	13.895	1963	1965	1967	rBV	24087	19654	2.22%	0.203%
60	13.919	1967	1969	1972	rVV	25007	18786	2.12%	0.194%
61	13.954	1972	1975	1980	rBV3	51335	70908	8.01%	0.734%
62	14.148	2003	2008	2011	rBV2	272701	373467	42.20%	3.867%
63	14.177	2011	2013	2016	rVB	114785	90404	10.21%	0.936%
64	15.236	2189	2193	2200	rVB2	112196	222145	25.10%	2.300%
65	15.560	2245	2248	2254	rBV	54917	74036	8.37%	0.767%
66	15.624	2256	2259	2267	rVV2	71974	117562	13.28%	1.217%
67	15.695	2267	2271	2274	rBV	100032	125302	14.16%	1.297%

Sum of corrected areas: 9658749

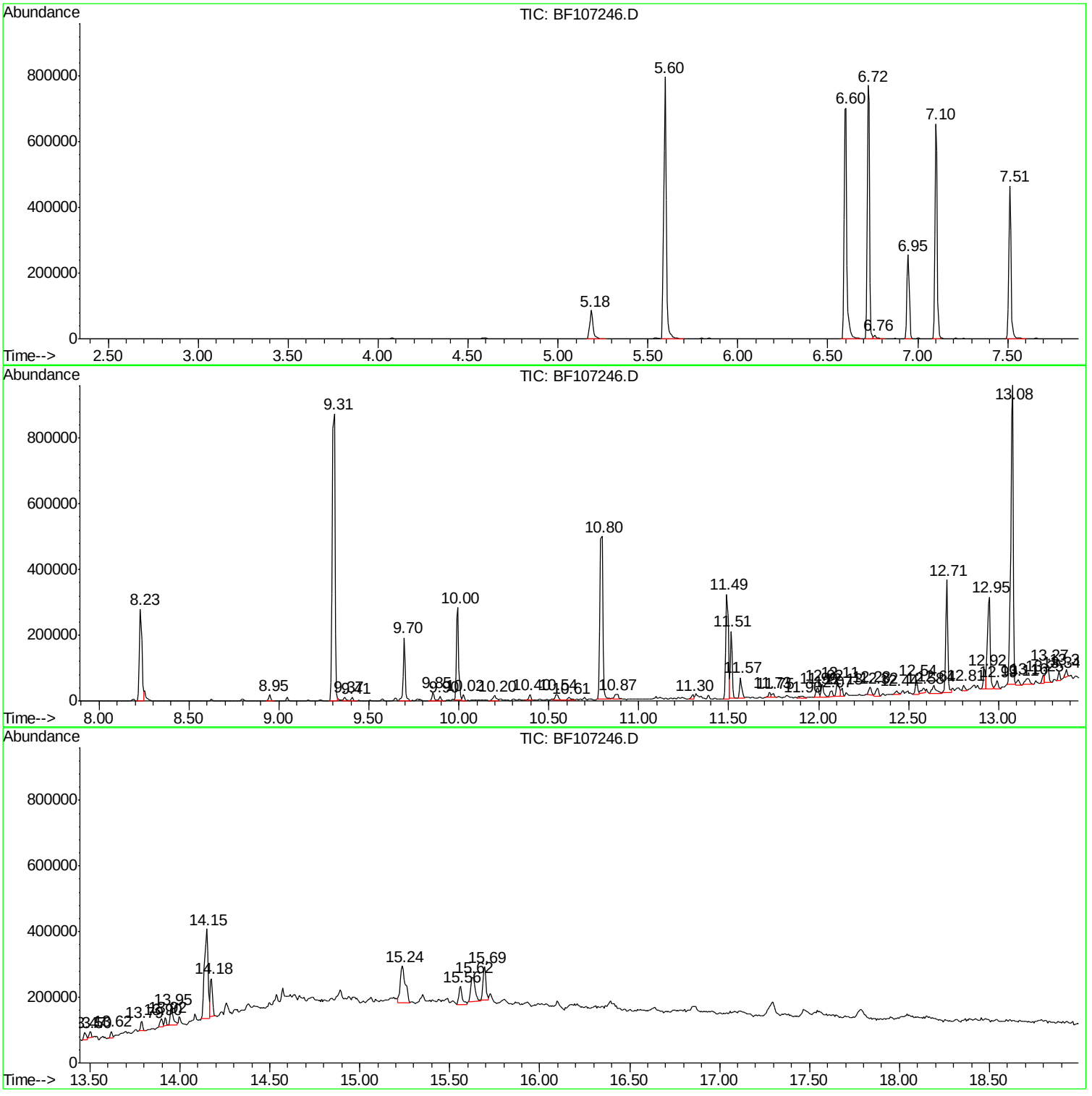
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

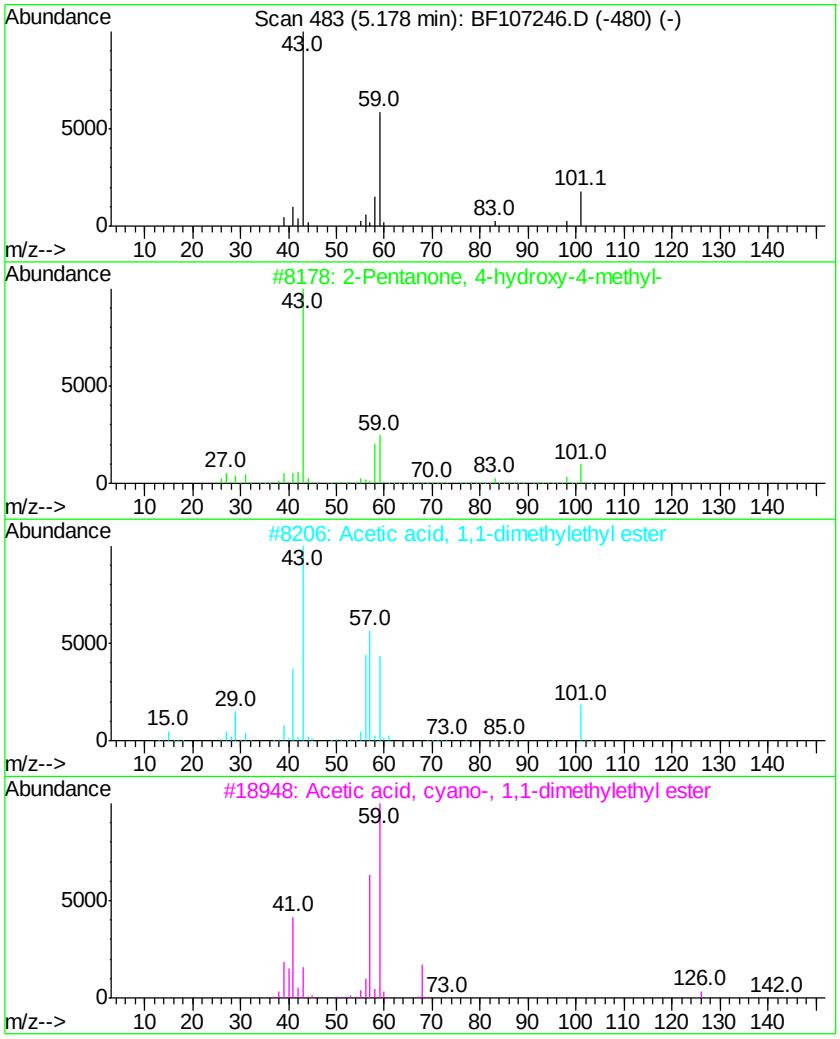
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

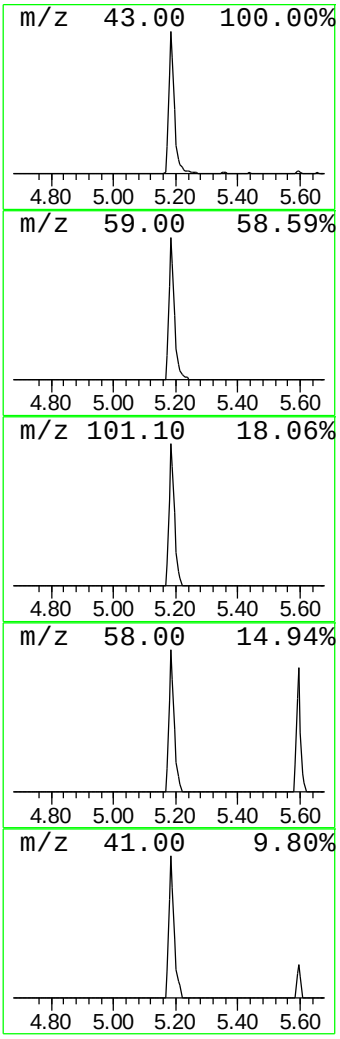
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	10.09 ng	107983	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

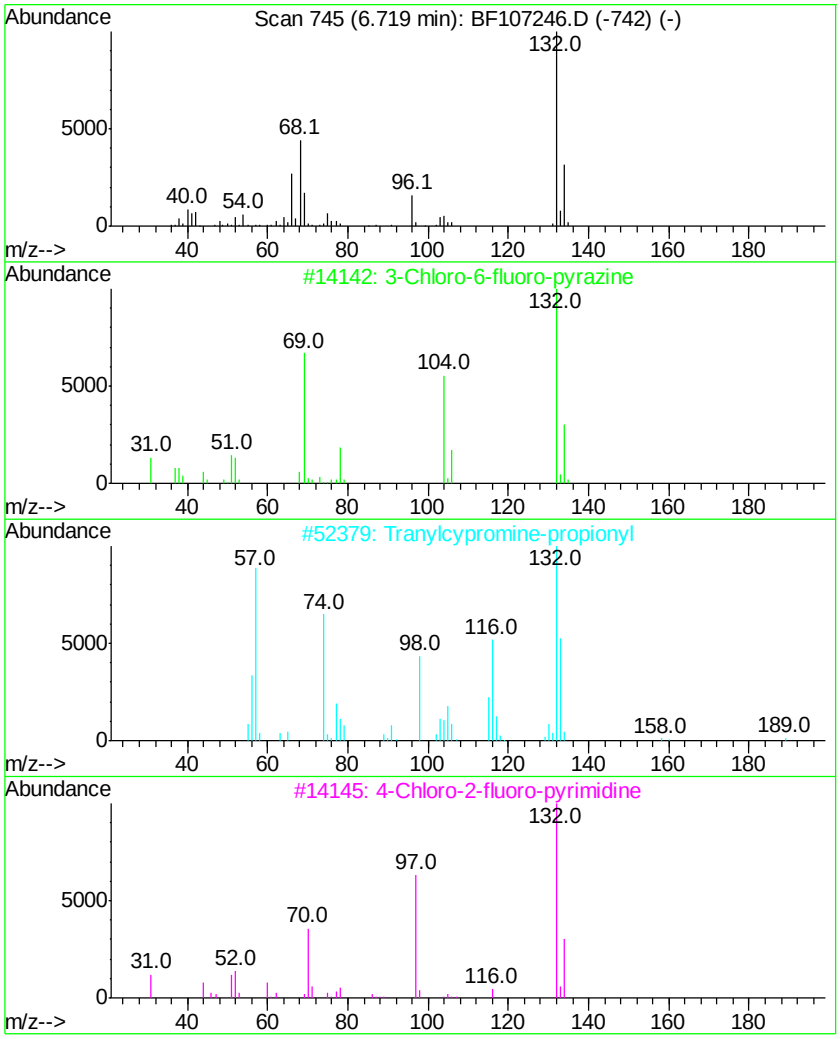
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

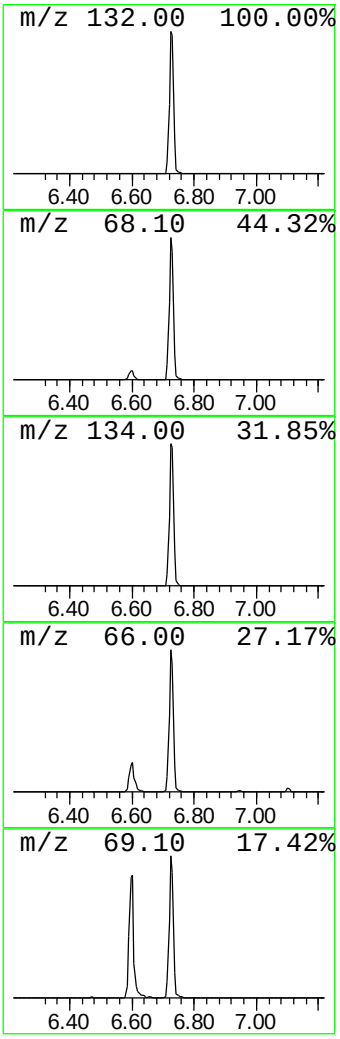
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	71.44 ng	764719	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

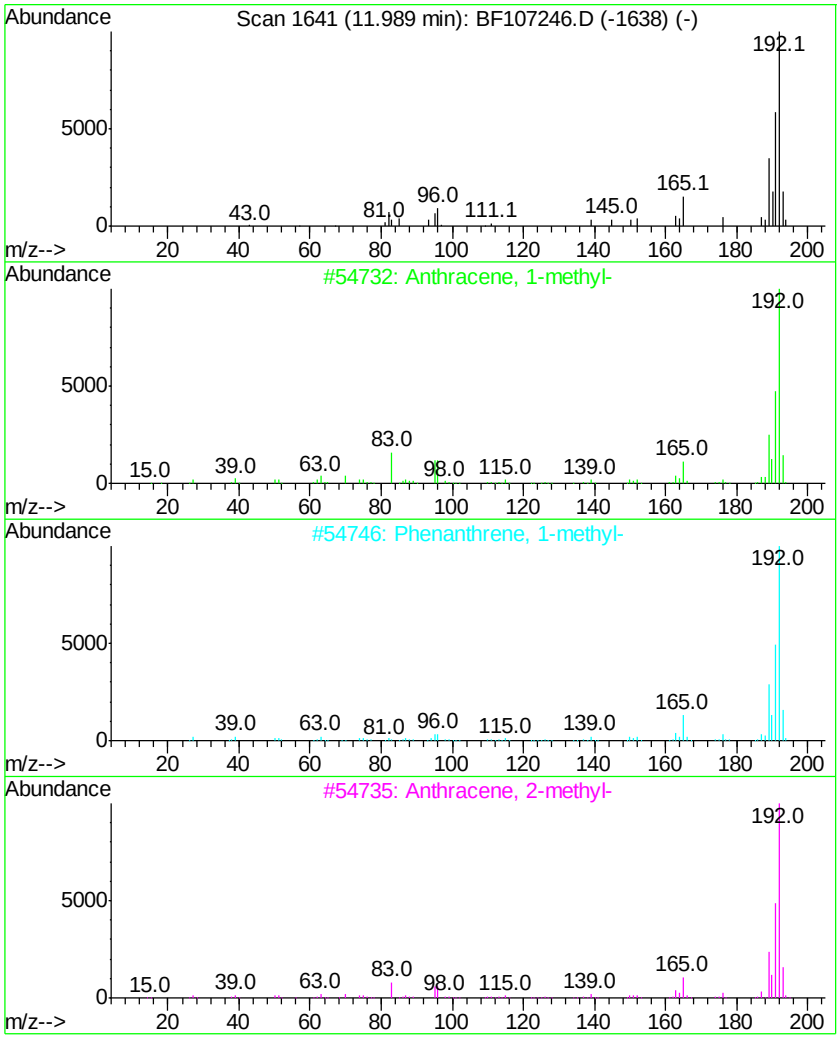
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

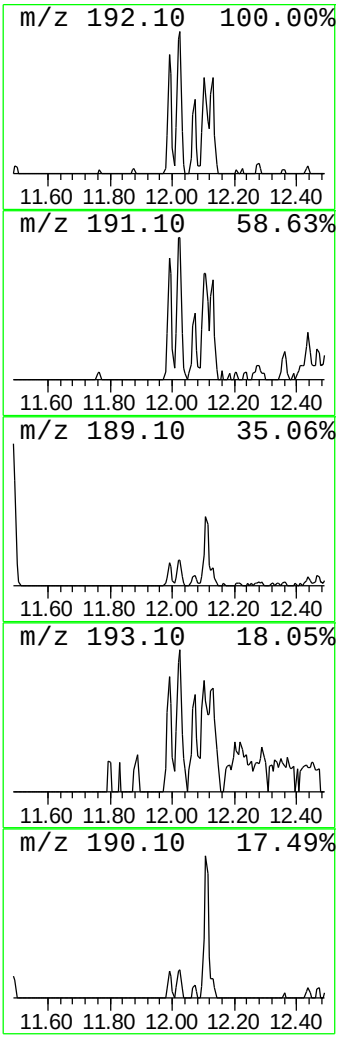
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.31 ng	31592	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

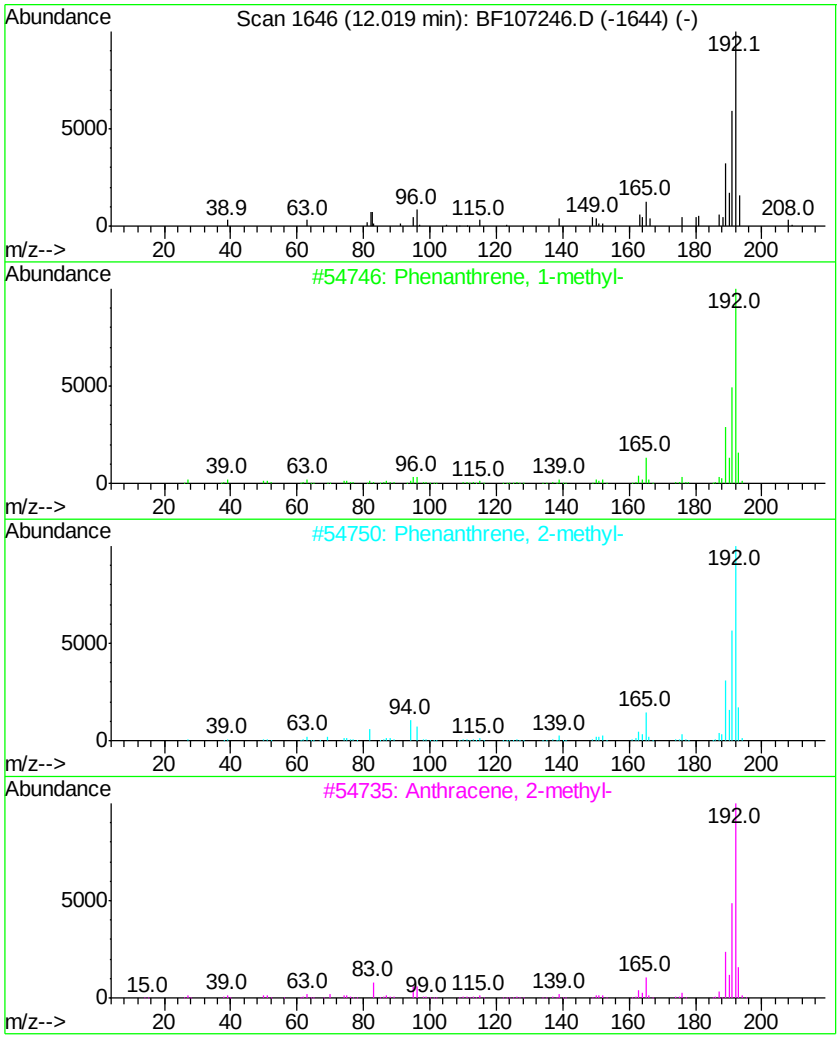
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

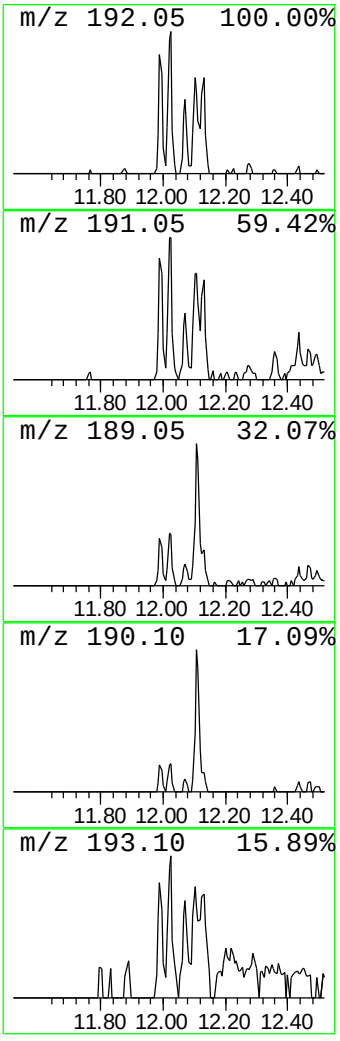
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.86 ng	39160	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

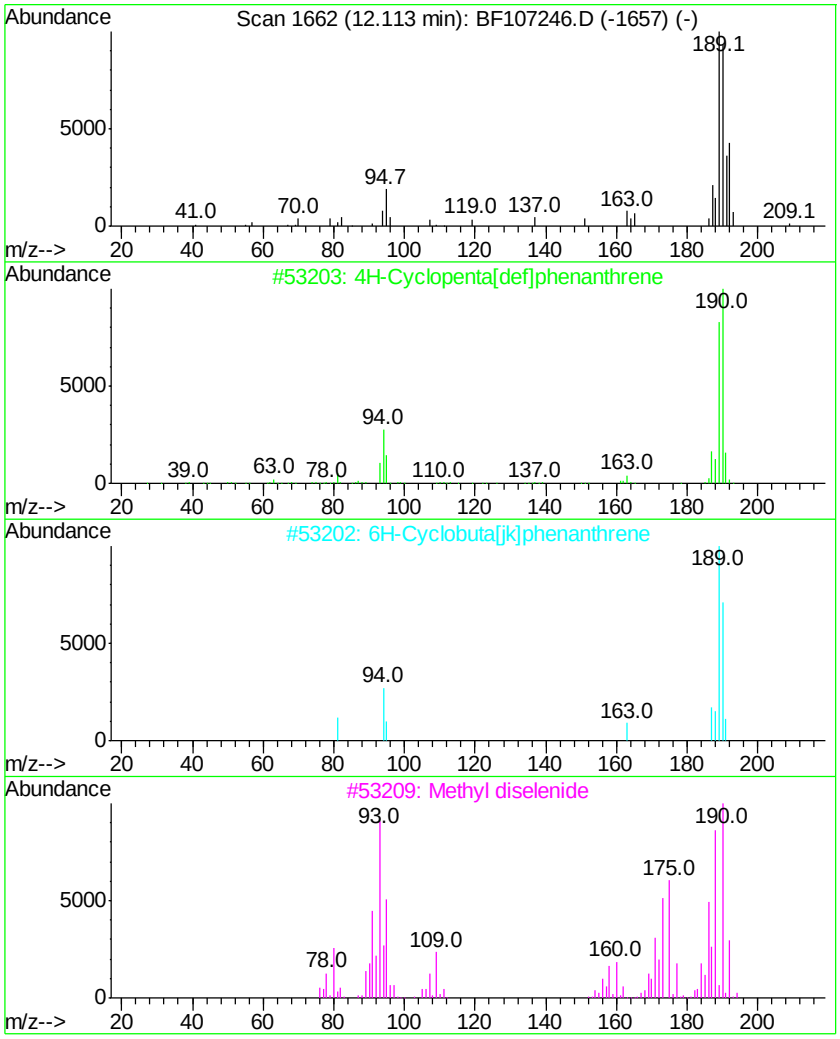
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

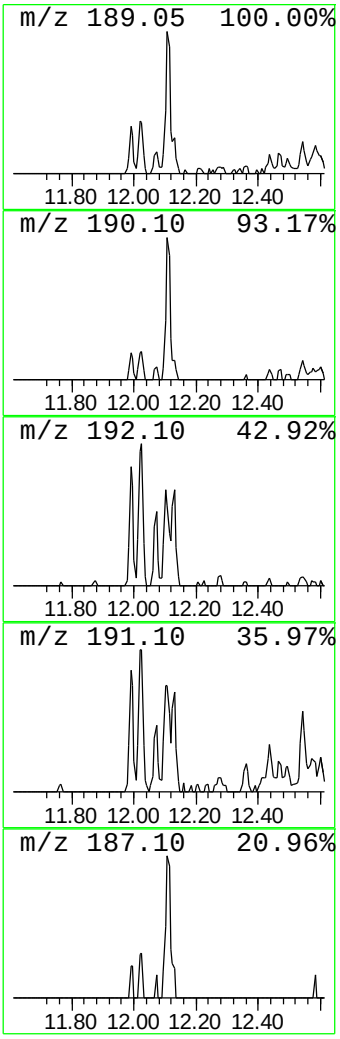
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.65 ng	50072	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1-Chloro-4-(2-chloro-2-fluoroeth...	190	C8H5Cl2F	1000305-36-3	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

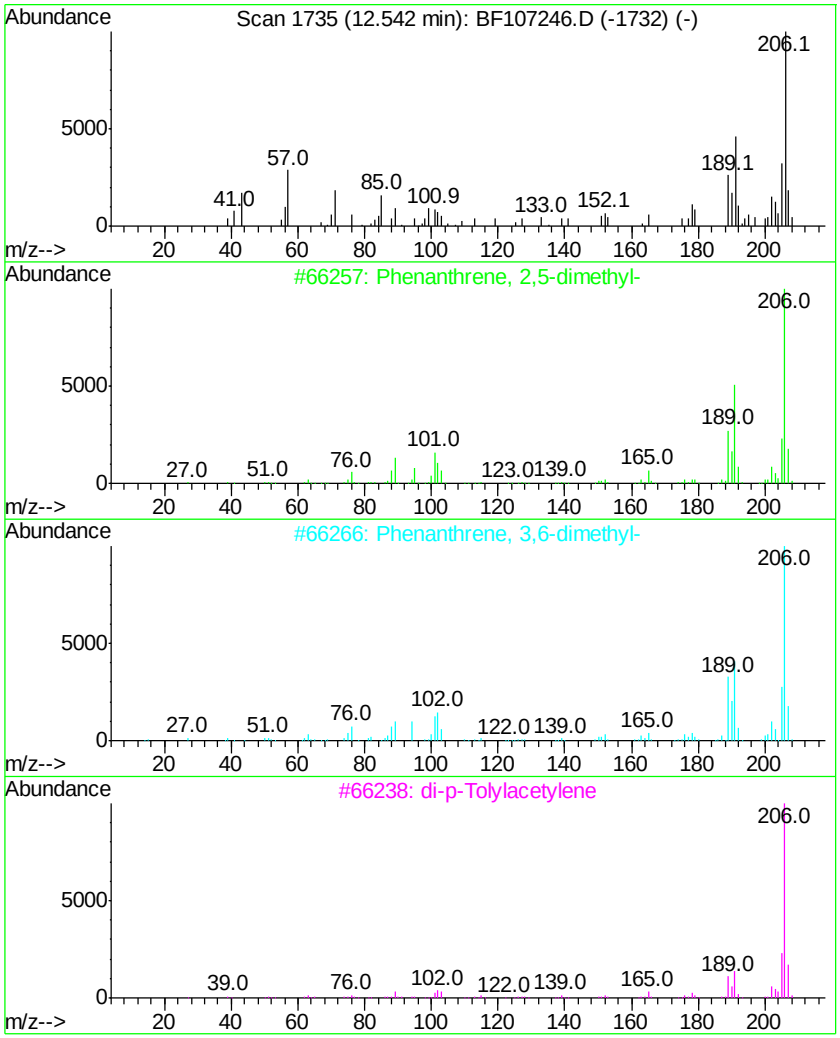
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

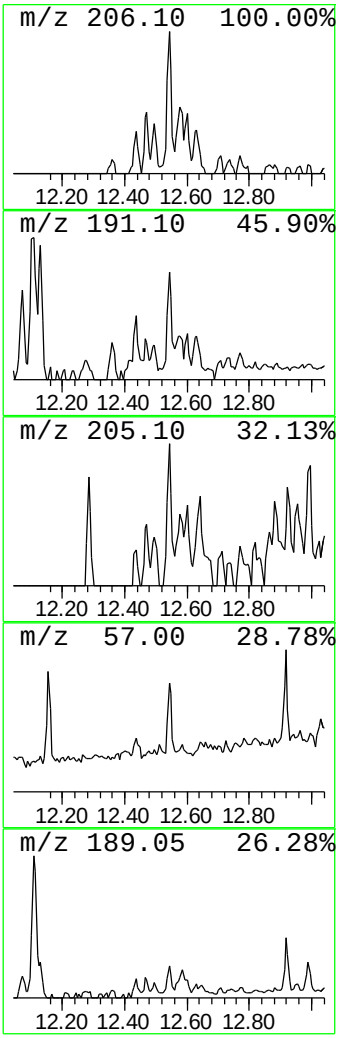
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.90 ng	39753	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

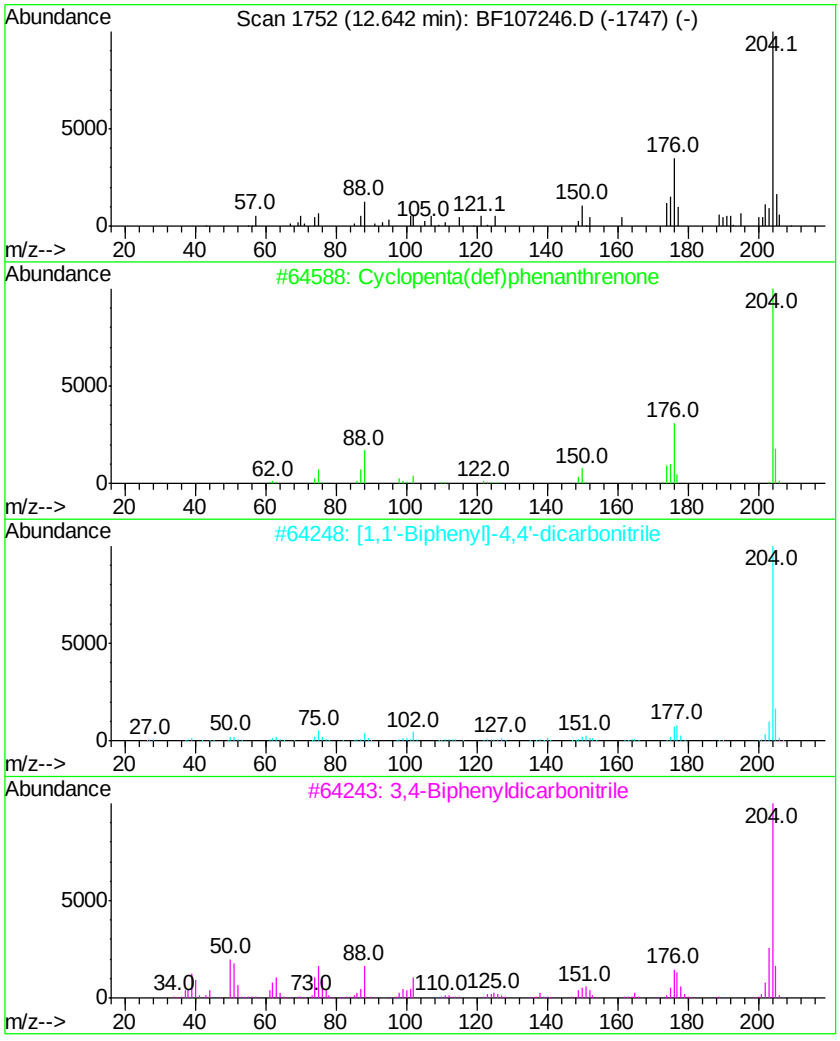
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

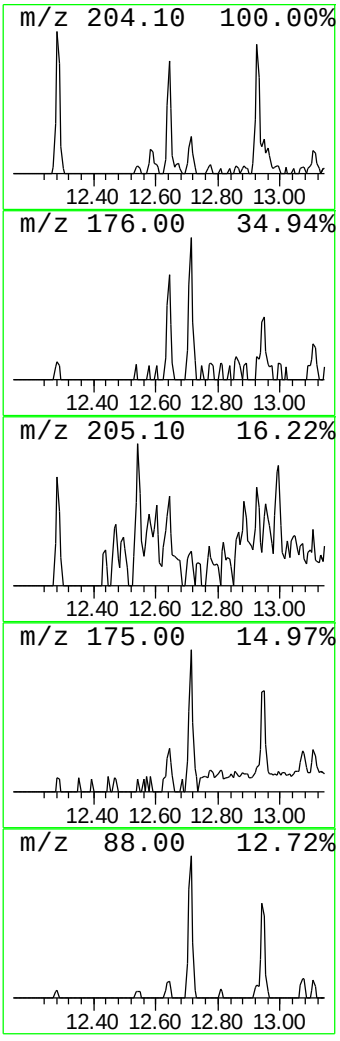
****

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.60 ng	35671	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53
5	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

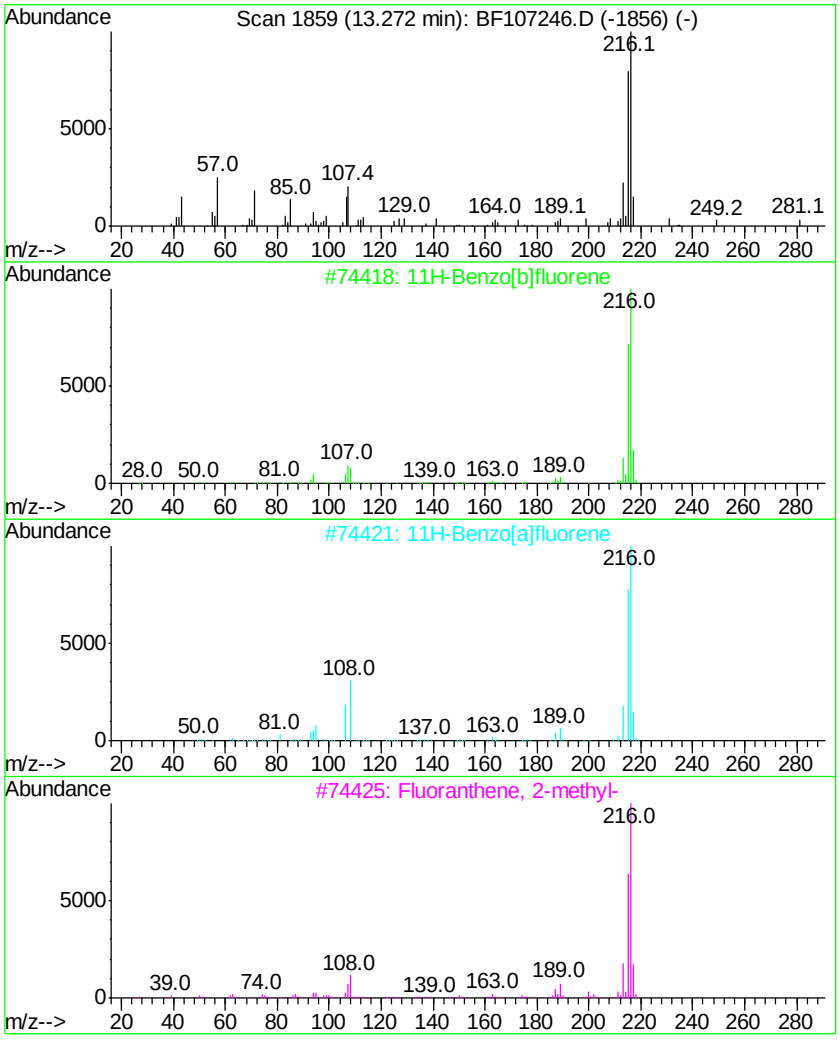
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

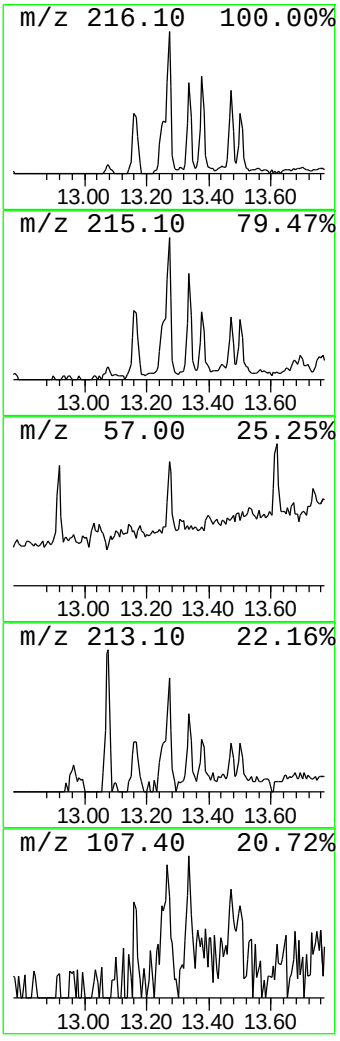
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.99 ng	55819	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

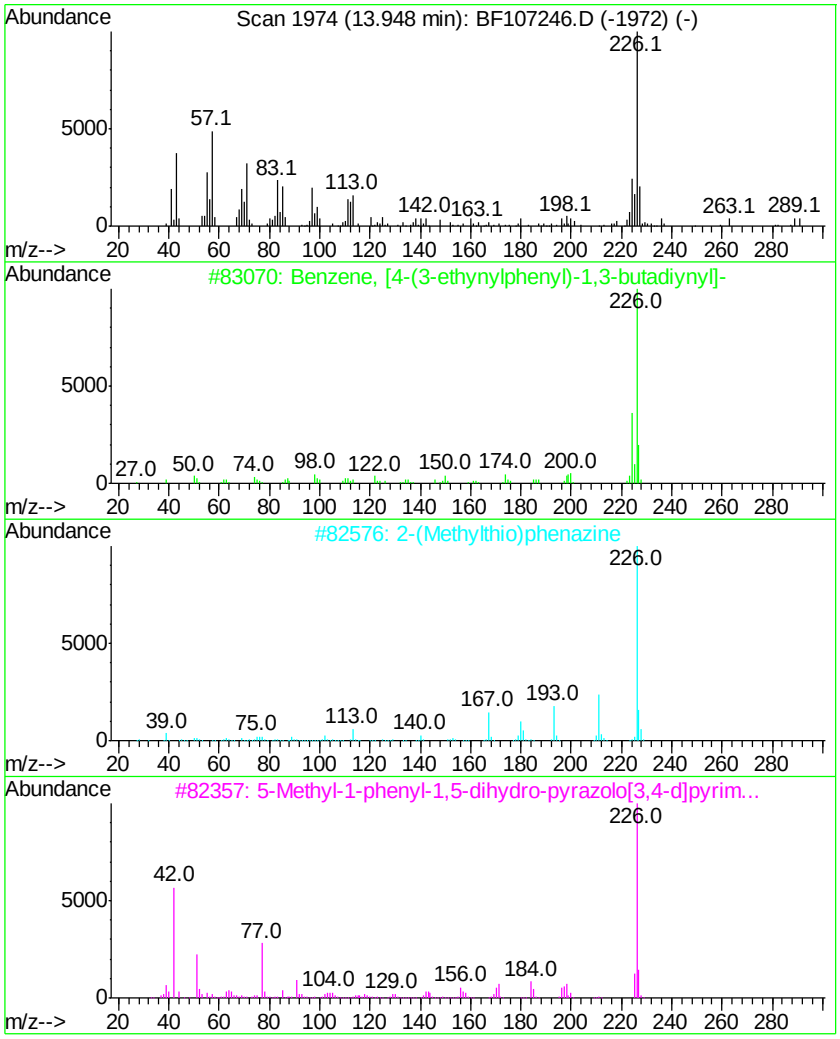
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

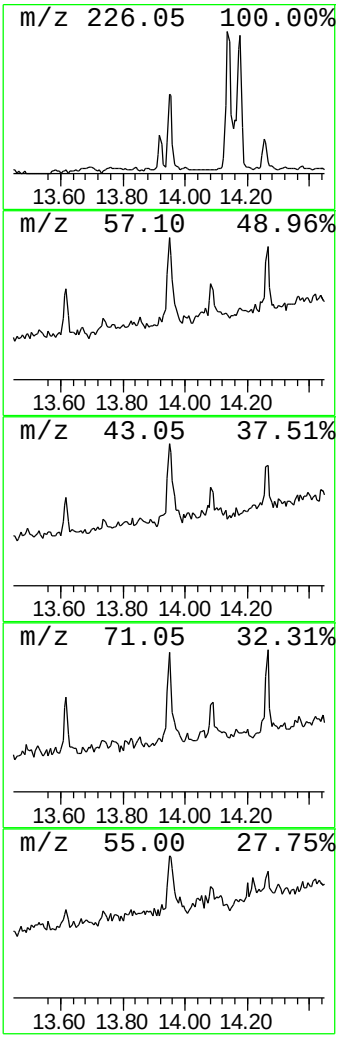
****

Peak Number 10 Benzene, [4-(3-ethynylpheny... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.80 ng	70908	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
2	2-(Methylthio)phenazine	226	C13H10N2S	005752-54-5	43
3	5-Methyl-1-phenyl-1,5-dihydro-py...	226	C12H10N4O	1000300-02-1	43
4	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	43
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070918\
Data File : BF107246.D
Acq On : 9 Jul 2018 23:03
Operator : JU/SJ
Sample : J3880-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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...	5.18	10.1	ng	107983	1	6.95	214088	20.0
unknown6.72	6.72	71.4	ng	764719	1	6.95	214088	20.0
Anthracene, 1-met...	11.99	2.3	ng	31592	4	11.49	274028	20.0
Phenanthrene, 1-m...	12.02	2.9	ng	39160	4	11.49	274028	20.0
4H-Cyclopenta[def...	12.11	3.6	ng	50072	4	11.49	274028	20.0
Phenanthrene, 2,5...	12.54	2.9	ng	39753	4	11.49	274028	20.0
Cyclopenta(def)ph...	12.64	2.6	ng	35671	4	11.49	274028	20.0
11H-Benzo[b]fluorene	13.27	3.0	ng	55819	5	14.15	373467	20.0
Benzene, [4-(3-et...	13.95	3.8	ng	70908	5	14.15	373467	20.0