LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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	2.407	10	12	25	rVB3	7336	17938	1.12%	0.095%
2	5.189	480	485	494	rBV	145641	194504	12.17%	1.033%
3	5.589	549	553	570	rVB	1227614	1295362	81.05%	6.883%
4	6.595	719	724	737	rBV	1200606	1374129	85.98%	7.301%
5	6.725	742	746	750	rVV	1343971	1350181	84.48%	7.174%
6	6.772	750	754	758	rVB3	31847	33669	2.11%	0.179%
7	6.948	780	784	787	rBV	451717	374165	23.41%	1.988%
8	7.101	806	810	814	rBV	1124549	1097557	68.67%	5.832%
9	7.513	875	880	883	rBV	844430	881393	55.15%	4.683%
10	8.230	998	1002	1005	rBV	545218	465823	29.15%	2.475%
11	8.942	1120	1123	1128	rBV	22042	18931	1.18%	0.101%
12	9.301	1178	1184	1188	rBV	1632809	1598254	100.00%	8.492%
13	9.407	1198	1202	1205	rVB	21745	19903	1.25%	0.106%
14	9.572	1225	1230	1235	rBV	11248	17964	1.12%	0.095%
15	9.695	1245	1251	1255	rBV	448108	364890	22.83%	1.939%
16	9.777	1260	1265	1270	rVB5	16176	23183	1.45%	0.123%
17	9.848	1273	1277	1280	rBV	26094	27539	1.72%	0.146%
18	9.895	1281	1285	1289	rVB2	20422	20927	1.31%	0.111%
19	9.989	1297	1301	1305	rVB2	609921	511488	32.00%	2.718%
20	10.183	1331	1334	1338	rBV3	13091	18551	1.16%	0.099%
21	10.395	1363	1370	1372	rBV2	37431	37040	2.32%	0.197%
22	10.613	1400	1407	1410	rBV2	22117	25386	1.59%	0.135%
23	10.783	1432	1436	1440	rBV	915195	934192	58.45%	4.964%
24	10.877	1448	1452	1455	rVB	41206	46327	2.90%	0.246%
25	11.318	1524	1527	1529	rBV2	20732	18910	1.18%	0.100%
26	11.483	1551	1555	1557	rBV	569266	469946	29.40%	2.497%
27	11.507	1557	1559	1563	rVV	212480	163704	10.24%	0.870%
28	11.560	1565	1568	1571	rVV	66700	55339	3.46%	0.294%
29	11.595	1571	1574	1578	rVB	21561	22579	1.41%	0.120%
30	11.718	1593	1595	1597	rBV	41996	28512	1.78%	0.151%
31	11.983	1637	1640	1643	rBV	39424	42701	2.67%	0.227%
32	12.013	1643	1645	1650	rVB2	49334	41912	2.62%	0.223%
33	12.101	1656	1660	1662	rBV2	50968	58303	3.65%	0.310%
34	12.154	1666	1669	1672	rBV3	20210	25097	1.57%	0.133%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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	12.277	1688	1690	1693	rVB	32568	25808	1.61%	0.137%
36	12.313	1693	1696	1701	rVB	56819	53072	3.32%	0.282%
37	12.536	1730	1734	1737	rBV2	35130	37483	2.35%	0.199%
38	12.571	1737	1740	1742	rVV2	20235	21641	1.35%	0.115%
39	12.630	1746	1750	1753	rBV2	38167	43308	2.71%	0.230%
40	12.665	1753	1756	1758	rVV2	40558	34378	2.15%	0.183%
41	12.707	1758	1763	1766	rVV	586552	555981	34.79%	2.954%
42	12.801	1776	1779	1781	rVB	19040	17726	1.11%	0.094%
43	12.913	1795	1798	1799	rBV	112493	94336	5.90%	0.501%
44	12.936	1799	1802	1806	rVV	541084	491326	30.74%	2.611%
45	12.983	1807	1810	1814	rVB2	33170	35816	2.24%	0.190%
46	13.065	1820	1824	1827	rBV	1391000	1334574	83.50%	7.091%
47	13.095	1827	1829	1834	rVB	54616	54248	3.39%	0.288%
48	13.148	1834	1838	1842	rBV2	34048	57715	3.61%	0.307%
49	13.260	1850	1857	1860	rBV2	75237	133086	8.33%	0.707%
50	13.330	1866	1869	1871	rVB	32582	29938	1.87%	0.159%
51	13.365	1871	1875	1877	rBV2	45061	60486	3.78%	0.321%
52	13.389	1877	1879	1882	rVB	21189	17166	1.07%	0.091%
53	13.460	1889	1891	1894	rBV	37162	31309	1.96%	0.166%
54	13.495	1894	1897	1899	rVV2	31814	31369	1.96%	0.167%
55	13.530	1900	1903	1906	rVB	176573	156442	9.79%	0.831%
56	13.612	1914	1917	1919	rBV2	24329	22714	1.42%	0.121%
57	13.777	1942	1945	1949	rVB	76710	73129	4.58%	0.389%
58	13.883	1960	1963	1965	rBV	85736	76918	4.81%	0.409%
59	13.907	1965	1967	1970	rVV	57706	62830	3.93%	0.334%
60	13.942	1970	1973	1978	rVV4	131774	185356	11.60%	0.985%
61	13.983	1978	1980	1987	rVB	84490	97071	6.07%	0.516%
62	14.083	1994	1997	2000	rBV	240763	202583	12.68%	1.076%
63	14.136	2002	2006	2009	rVV2	519817	750256	46.94%	3.986%
64	14.165	2009	2011	2014	rVB	365812	285097	17.84%	1.515%
65	14.248	2022	2025	2026	rBV	47140	38846	2.43%	0.206%
66	14.530	2071	2073	2075	rBV	38492	27806	1.74%	0.148%
67	15.054	2159	2162	2165	rVB2	51179	56012	3.50%	0.298%
68	15.224	2187	2191	2194	rBV	361252	548076	34.29%	2.912%
69	15.336	2207	2210	2218	rVB	69995	98229	6.15%	0.522%
70	15.548	2242	2246	2252	rVB	203393	256260	16.03%	1.362%
71	15.612	2253	2257	2261	rBV	203543	289016	18.08%	1.536%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

72	15.683	2265	2269	2272	rVB	232145	286738	17.94%	1.524%
73	17.265	2533	2538	2546	rVB	128068	268623	16.81%	1.427%
74	17.747	2615	2620	2628	rVB2	94435	201091	12.58%	1.068%

Sum of corrected areas: 18820158

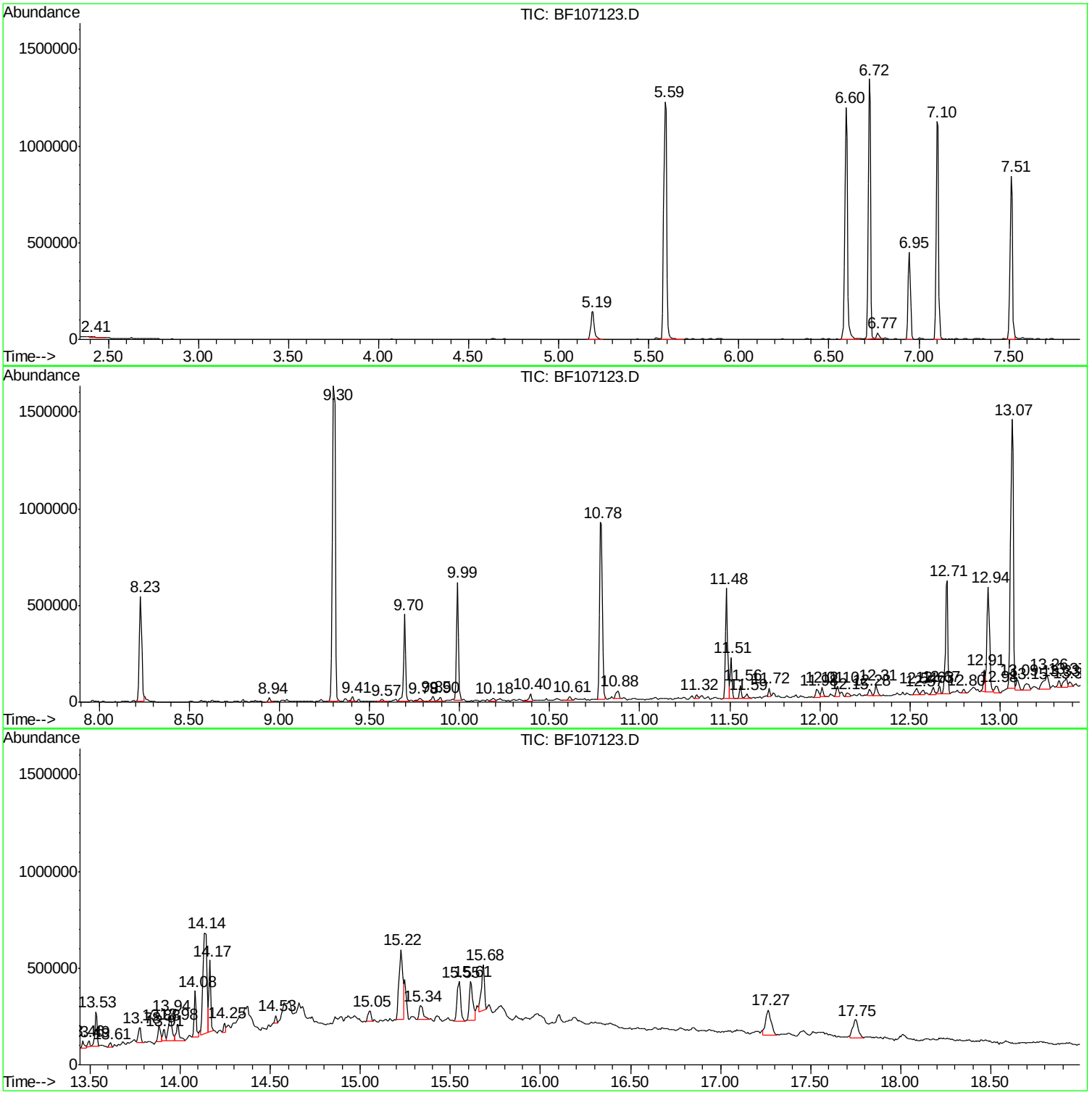
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

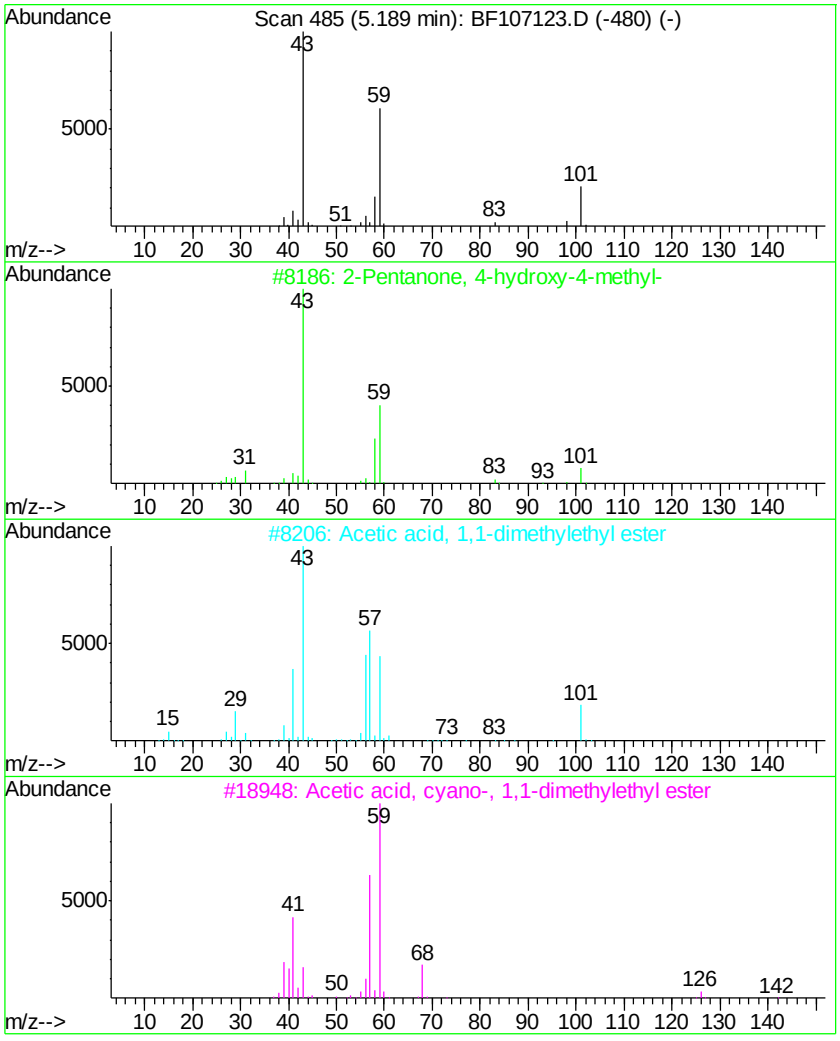
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

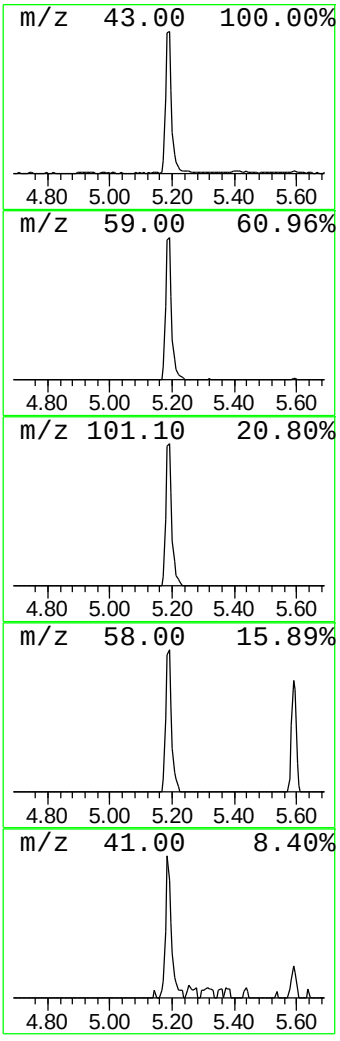
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	10.40 ng	194504	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	56
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	17
4	Guanidine	59	CH5N3	000113-00-8	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

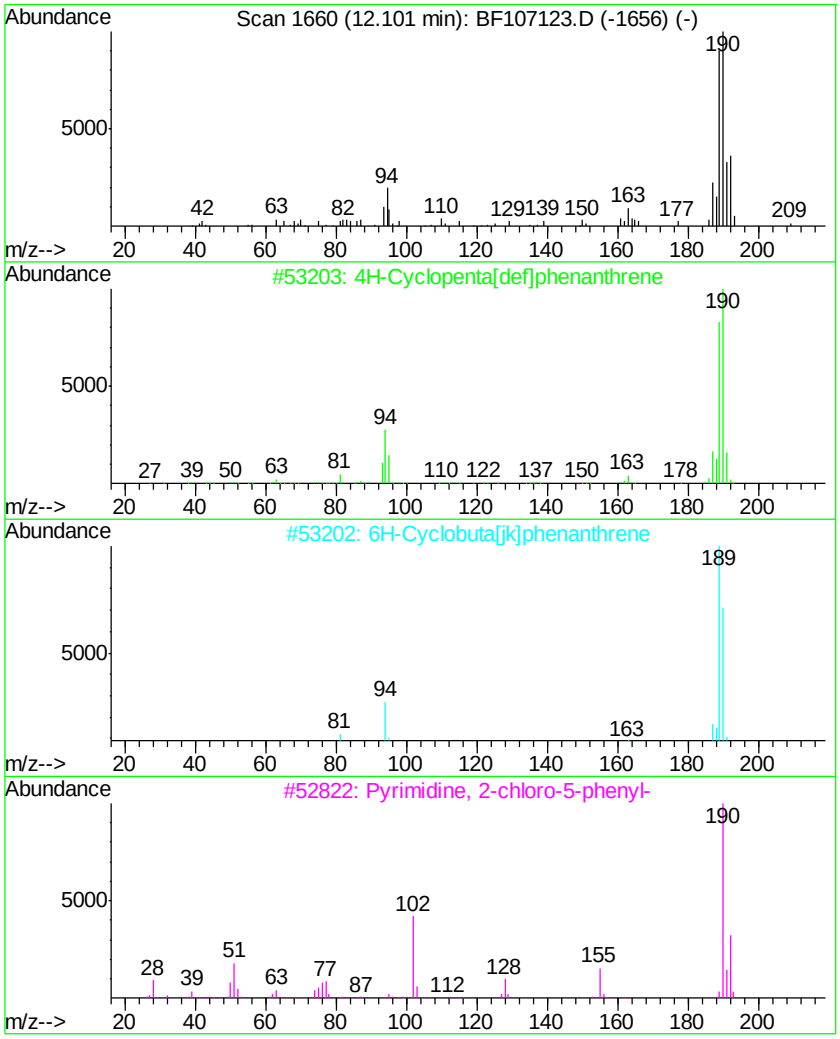
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

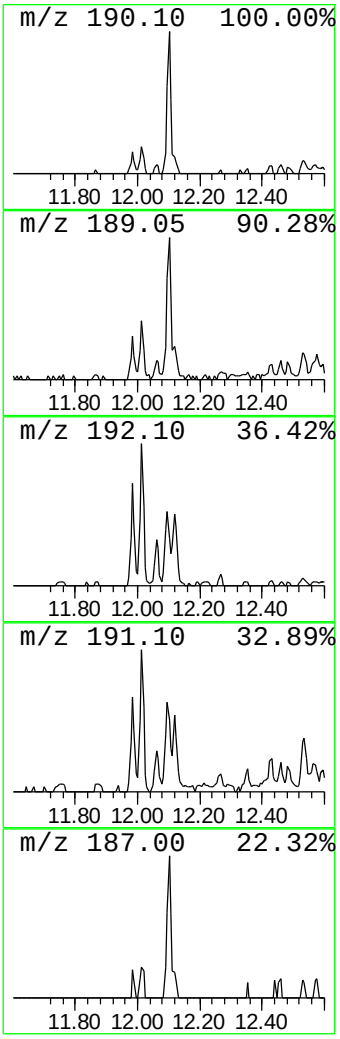
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.48 ng	58303	Phenanthrene-d10	11.48

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	33
3	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	25
4	1-Aminocyclopentanecarboxylic ac...	431	C23H42ClNO4	1000329-17-4	16
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

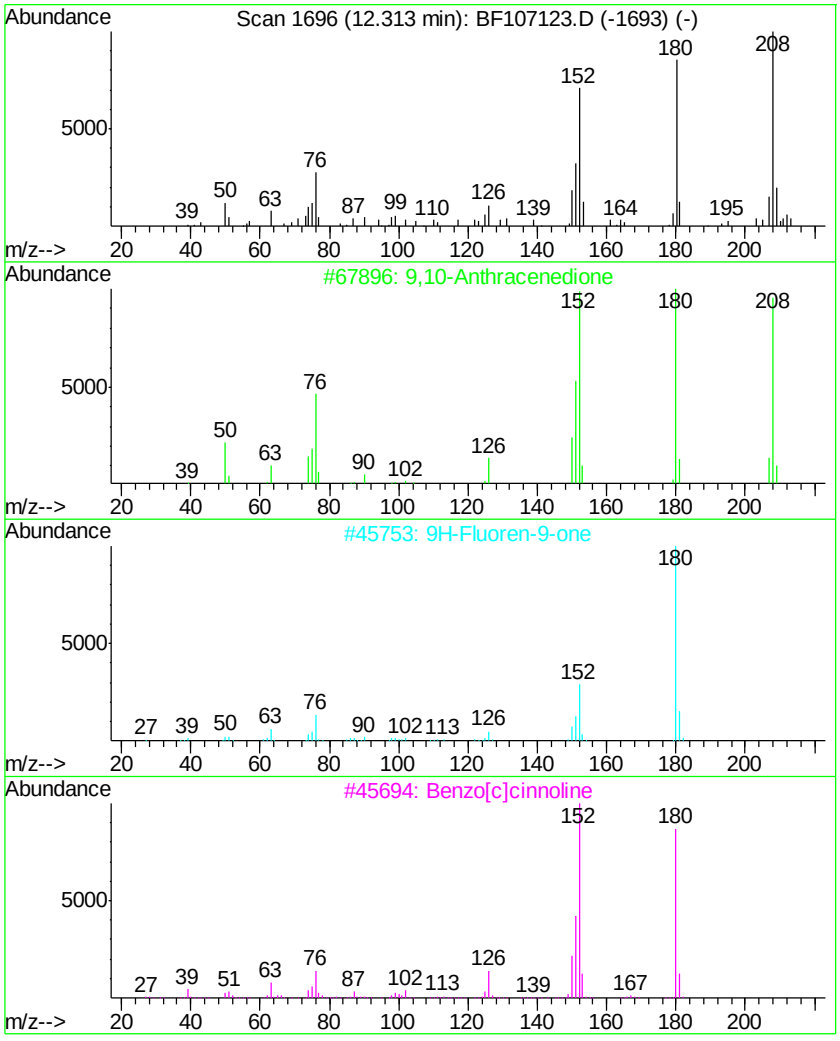
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

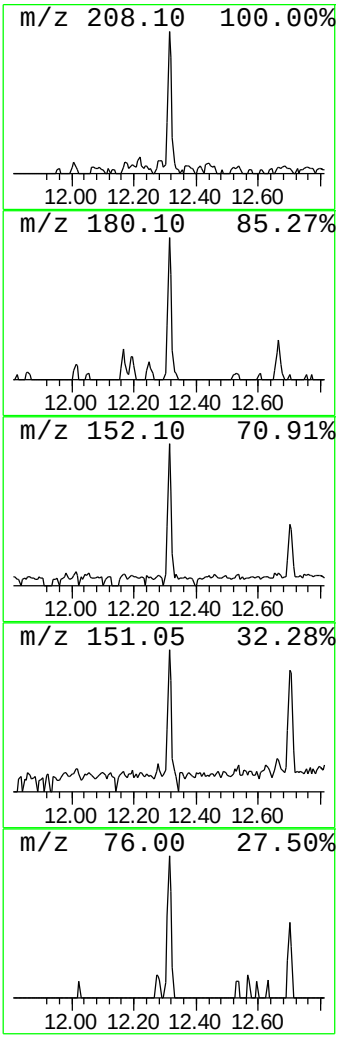
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.26 ng	53072	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

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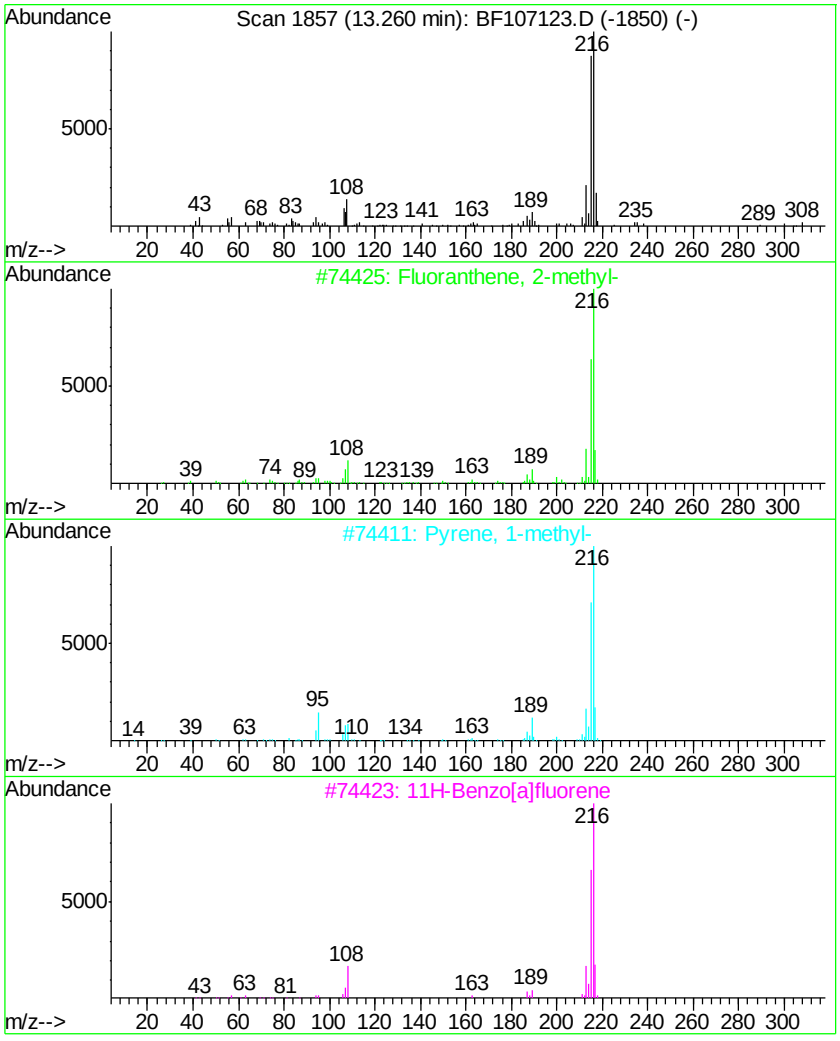
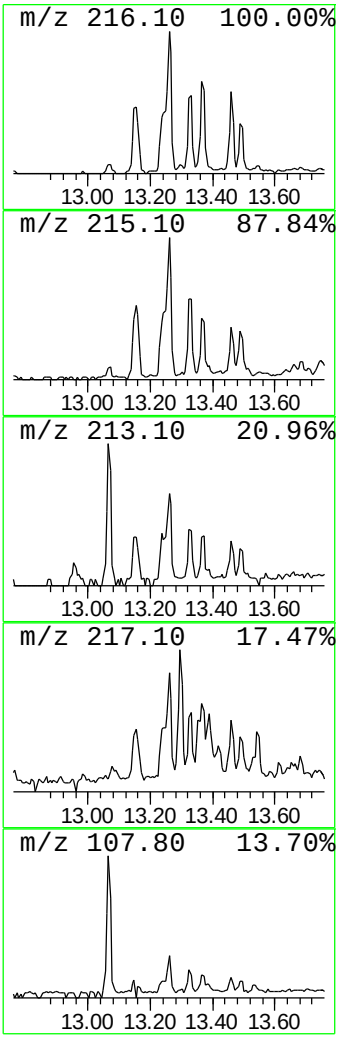
Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.55 ng	133086	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

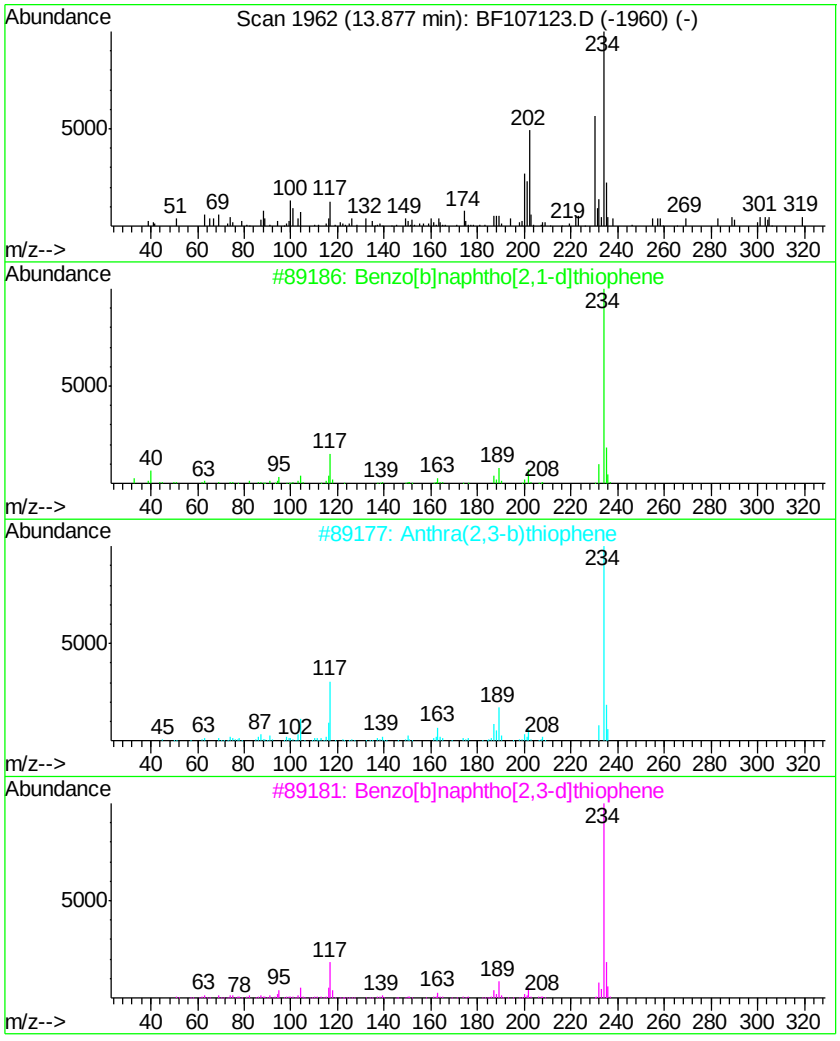
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

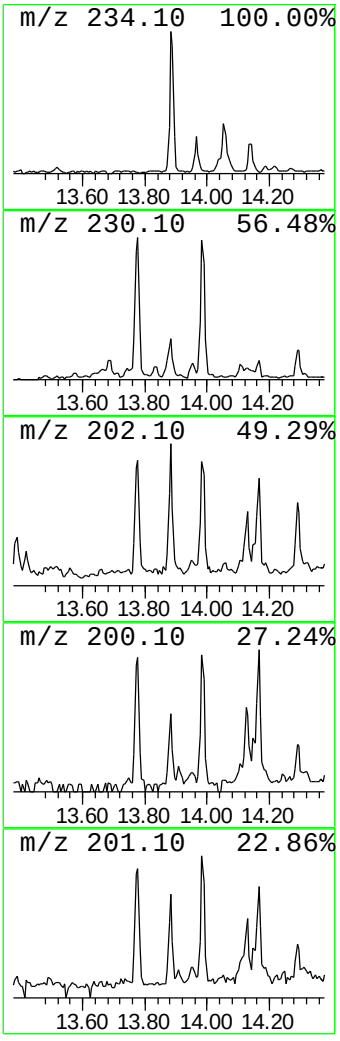
****

Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	2.05 ng	76918	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	64
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

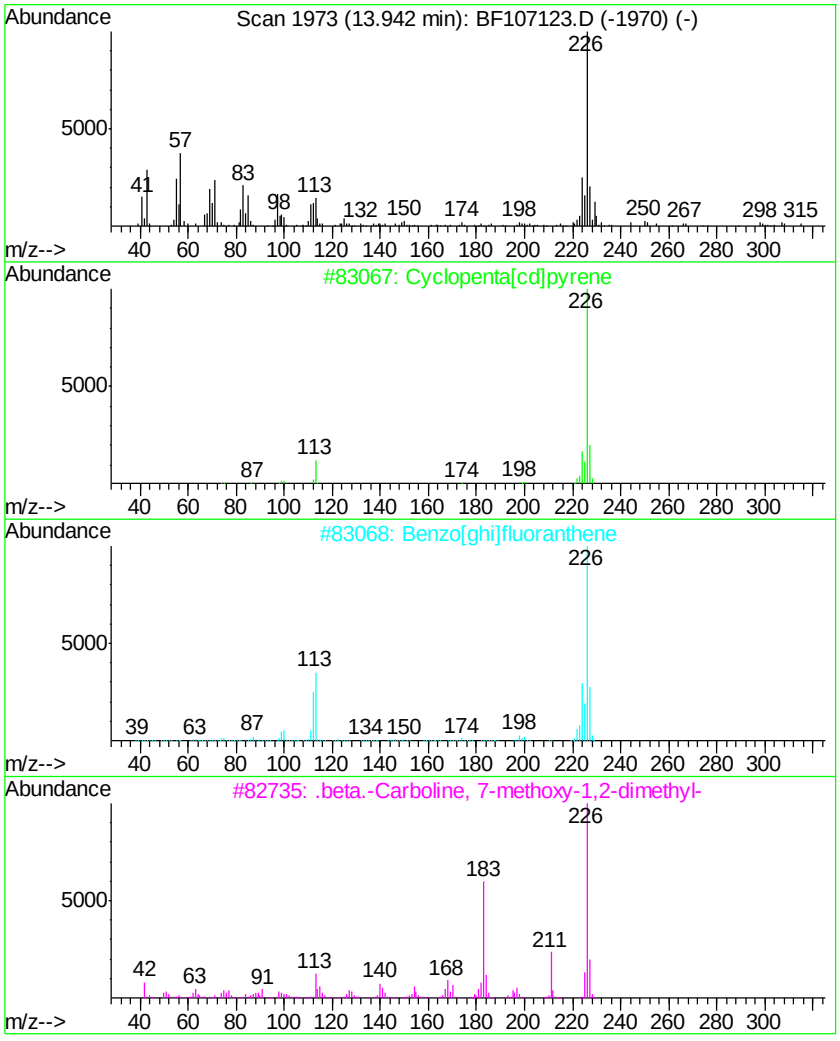
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

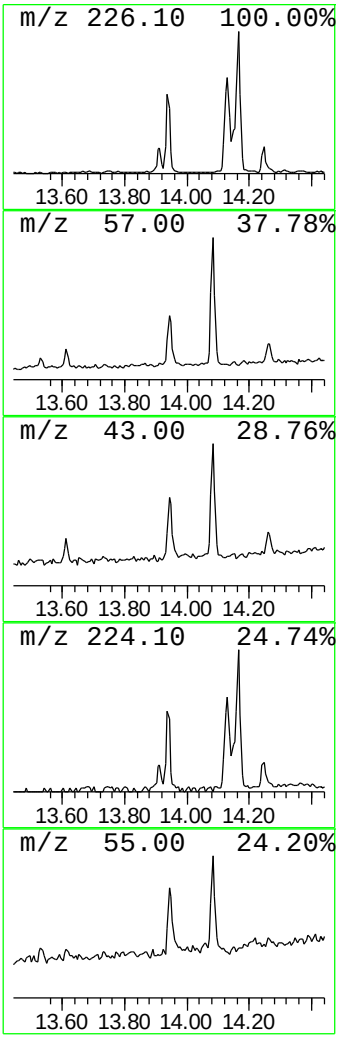
****

Peak Number 8 Cyclopenta[cd]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	4.94 ng	185356	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	68
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	52
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

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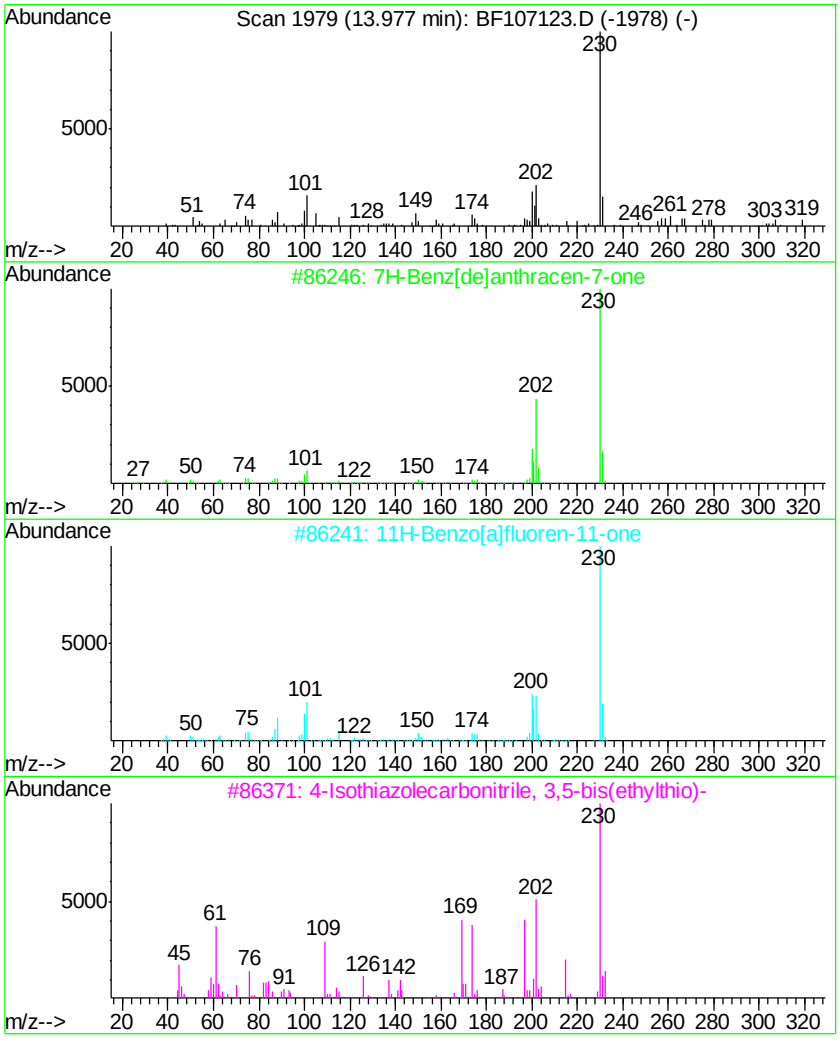
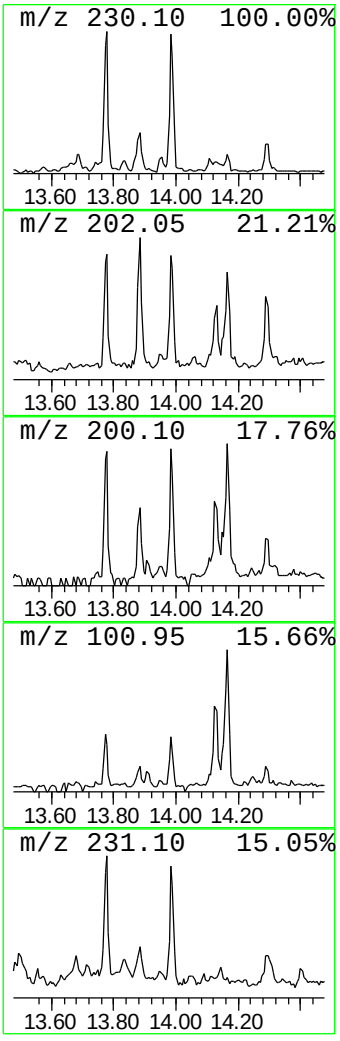
Peak Number 9 7H-Benz[de]anthracen-7-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.59 ng	97071	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	72
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	64
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

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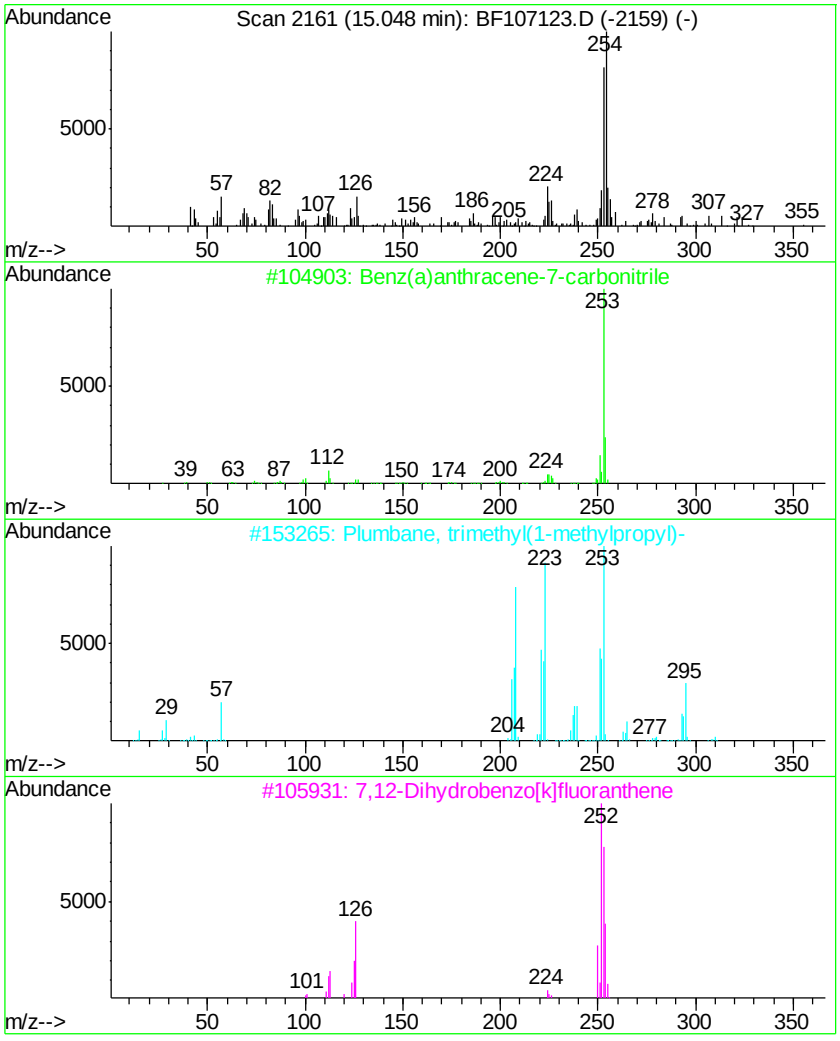
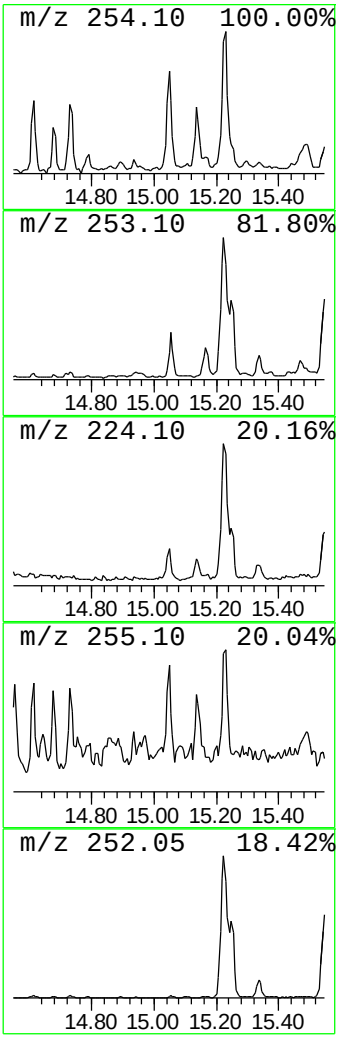
Peak Number 10 Benz(a)anthracene-7-carboni... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	3.91 ng	56012	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
2	Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	55
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	53
4	Triamterene	253	C12H11N7	000396-01-0	46
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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

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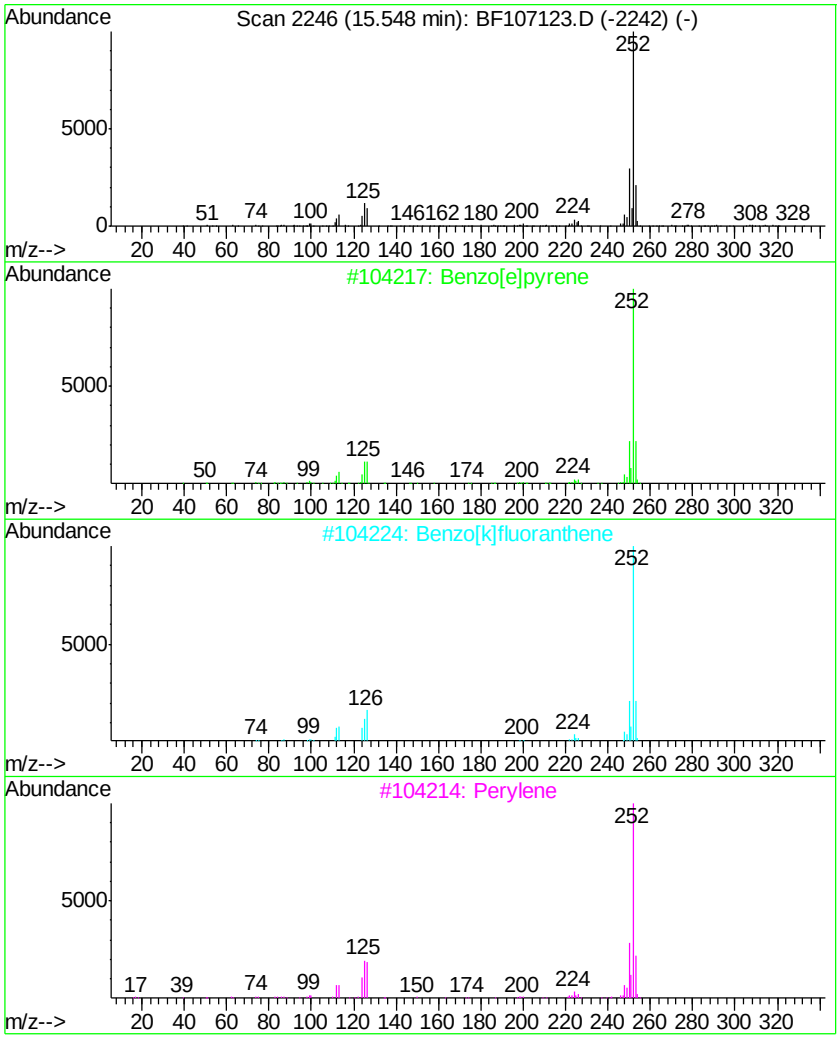
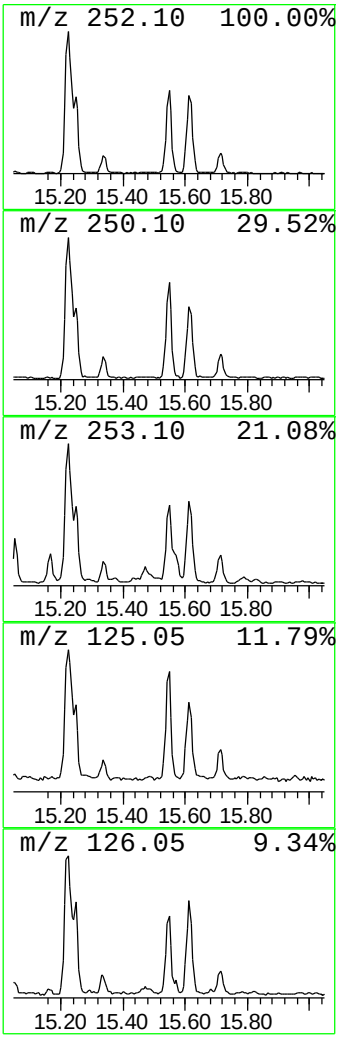
Peak Number 12 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	17.87 ng	256260	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
Data File : BF107123.D
Acq On : 5 Jul 2018 13:34
Operator : JU/SJ
Sample : J3853-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10

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...	5.19	10.4	ng	194504	1	6.95	374165	20.0
4H-Cyclopenta[def...	12.10	2.5	ng	58303	4	11.48	469946	20.0
9,10-Anthracenedione	12.31	2.3	ng	53072	4	11.48	469946	20.0
Fluoranthene, 2-m...	13.26	3.5	ng	133086	5	14.14	750256	20.0
Benzo[b]naphtho[2...	13.88	2.0	ng	76918	5	14.14	750256	20.0
Cyclopenta[cd]pyrene	13.94	4.9	ng	185356	5	14.14	750256	20.0
7H-Benz[de]anthra...	13.98	2.6	ng	97071	5	14.14	750256	20.0
Benz(a)anthracene...	15.05	3.9	ng	56012	6	15.68	286738	20.0
Benzo[e]pyrene	15.55	17.9	ng	256260	6	15.68	286738	20.0