LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107245.D
Acq On : 9 Jul 2018 22:36
Operator : JU/SJ
Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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	494	rBV	77225	89571	12.19%	1.267%
2	5.595	551	554	572	rBV	620243	604959	82.31%	8.555%
3	6.595	721	724	740	rBV	575129	607687	82.68%	8.593%
4	6.725	742	746	751	rBV	626490	585302	79.63%	8.277%
5	6.948	780	784	788	rBV	202666	166121	22.60%	2.349%
6	7.101	806	810	814	rBV	520695	471698	64.18%	6.670%
7	7.513	876	880	895	rBV	352912	329942	44.89%	4.666%
8	8.231	998	1002	1014	rBV	188910	190618	25.93%	2.695%
9	8.948	1121	1124	1128	rBB	9091	7732	1.05%	0.109%
10	9.301	1180	1184	1188	rBV	659420	599361	81.54%	8.475%
11	9.695	1246	1251	1257	rVB	135022	117921	16.04%	1.667%
12	9.854	1273	1278	1281	rBV	12719	13645	1.86%	0.193%
13	9.995	1298	1302	1305	rBV	199228	180502	24.56%	2.552%
14	10.025	1305	1307	1313	rVB	10162	8232	1.12%	0.116%
15	10.201	1332	1337	1340	rBV2	6767	8556	1.16%	0.121%
16	10.395	1367	1370	1373	rBV3	12489	10971	1.49%	0.155%
17	10.548	1392	1396	1400	rVB2	9350	11374	1.55%	0.161%
18	10.613	1403	1407	1411	rBV2	6301	7930	1.08%	0.112%
19	10.789	1434	1437	1443	rBV	367872	364682	49.62%	5.157%
20	10.883	1449	1453	1455	rVB3	12143	15917	2.17%	0.225%
21	11.489	1552	1556	1558	rBV	255313	212823	28.96%	3.009%
22	11.513	1558	1560	1564	rVV	103918	85441	11.62%	1.208%
23	11.566	1566	1569	1573	rBV	30440	28121	3.83%	0.398%
24	11.748	1598	1600	1603	rVB2	10180	8854	1.20%	0.125%
25	11.995	1638	1642	1644	rBV	17495	18472	2.51%	0.261%
26	12.024	1644	1647	1651	rVV2	25549	24363	3.31%	0.345%
27	12.071	1652	1655	1657	rVB	10028	8346	1.14%	0.118%
28	12.107	1657	1661	1663	rBV3	28851	33139	4.51%	0.469%
29	12.130	1663	1665	1667	rVB	12888	9986	1.36%	0.141%
30	12.283	1684	1691	1696	rBV3	16763	25570	3.48%	0.362%
31	12.324	1696	1698	1702	rVB2	11492	12429	1.69%	0.176%
32	12.542	1732	1735	1739	rBV	31570	30817	4.19%	0.436%
33	12.577	1739	1741	1744	rVV4	8056	9441	1.28%	0.134%
34	12.642	1748	1752	1754	rBV2	14476	18462	2.51%	0.261%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107245.D
Acq On : 9 Jul 2018 22:36
Operator : JU/SJ
Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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	12.713	1760	1764	1768	rBV	230830	205717	27.99%	2.909%
36	12.813	1778	1781	1783	rBV	7723	8854	1.20%	0.125%
37	12.866	1786	1790	1791	rBV4	10489	12098	1.65%	0.171%
38	12.924	1797	1800	1801	rBV2	43762	42933	5.84%	0.607%
39	12.942	1801	1803	1809	rVV	189203	189909	25.84%	2.685%
40	12.989	1809	1811	1815	rVB	18784	19892	2.71%	0.281%
41	13.071	1821	1825	1829	rBV	766699	735011	100.00%	10.394%
42	13.107	1829	1831	1835	rVB	13137	15260	2.08%	0.216%
43	13.166	1835	1841	1845	rBV3	20456	45035	6.13%	0.637%
44	13.248	1852	1855	1857	rBV4	16761	22003	2.99%	0.311%
45	13.271	1857	1859	1862	rVB	39365	32906	4.48%	0.465%
46	13.342	1868	1871	1872	rBV	15938	12759	1.74%	0.180%
47	13.471	1891	1893	1895	rBV	14635	10135	1.38%	0.143%
48	13.501	1896	1898	1901	rVV2	17019	19737	2.69%	0.279%
49	13.536	1902	1904	1907	rVB	21831	18805	2.56%	0.266%
50	13.618	1915	1918	1920	rBV2	22656	18385	2.50%	0.260%
51	13.789	1945	1947	1949	rVB	19464	14136	1.92%	0.200%
52	13.948	1972	1974	1980	rBV3	47766	52269	7.11%	0.739%
53	14.148	2003	2008	2011	rBV2	216316	275438	37.47%	3.895%
54	14.177	2011	2013	2015	rVB	70776	58223	7.92%	0.823%
55	15.236	2189	2193	2200	rVB2	81513	161643	21.99%	2.286%
56	15.624	2257	2259	2266	rVB2	45885	71904	9.78%	1.017%
57	15.695	2267	2271	2275	rBV	85048	109758	14.93%	1.552%

Sum of corrected areas: 7071795

LSC Report - Integrated Chromatogram

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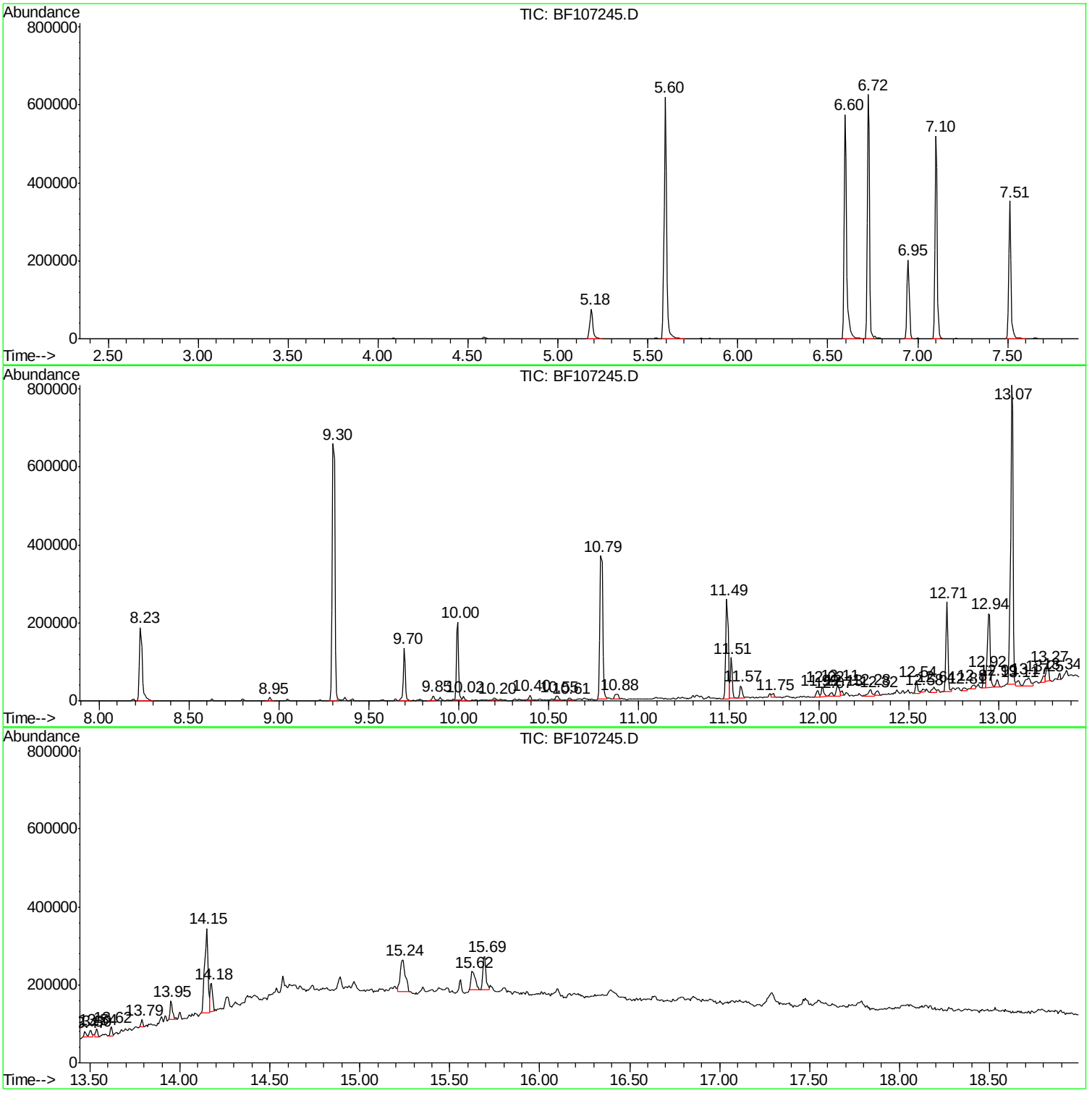
Operator : JU/SJ
Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107245.D
Acq On : 9 Jul 2018 22:36
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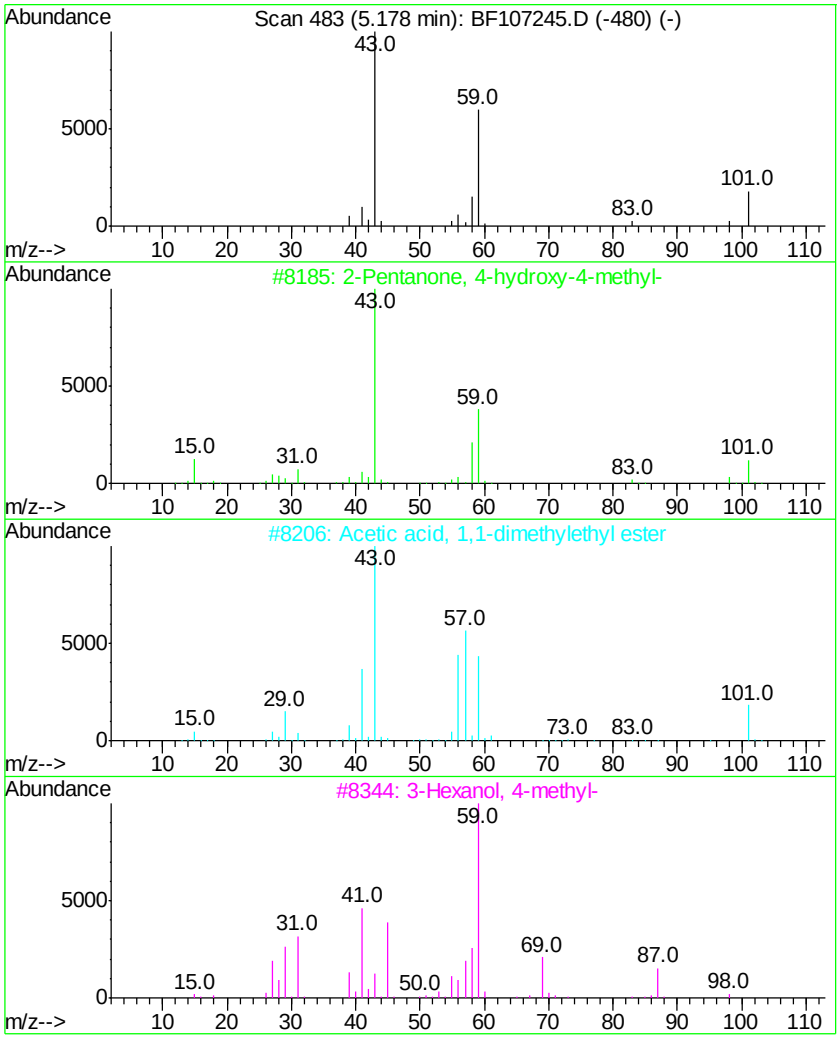
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

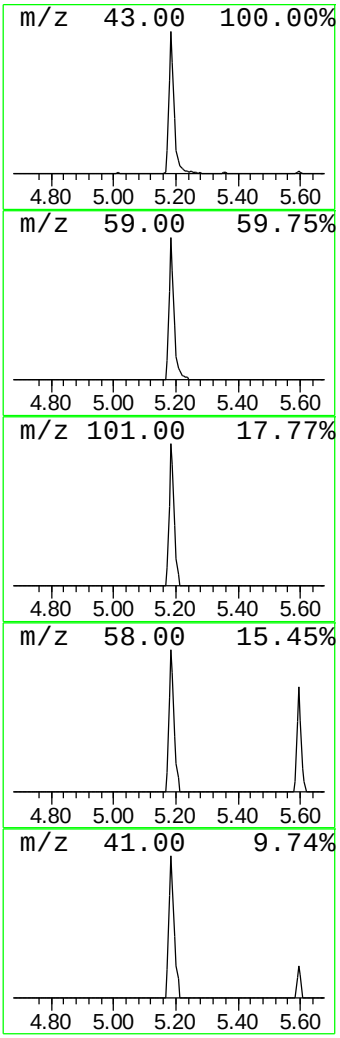
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	10.78 ng	89571	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	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Operator : JU/SJ
Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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

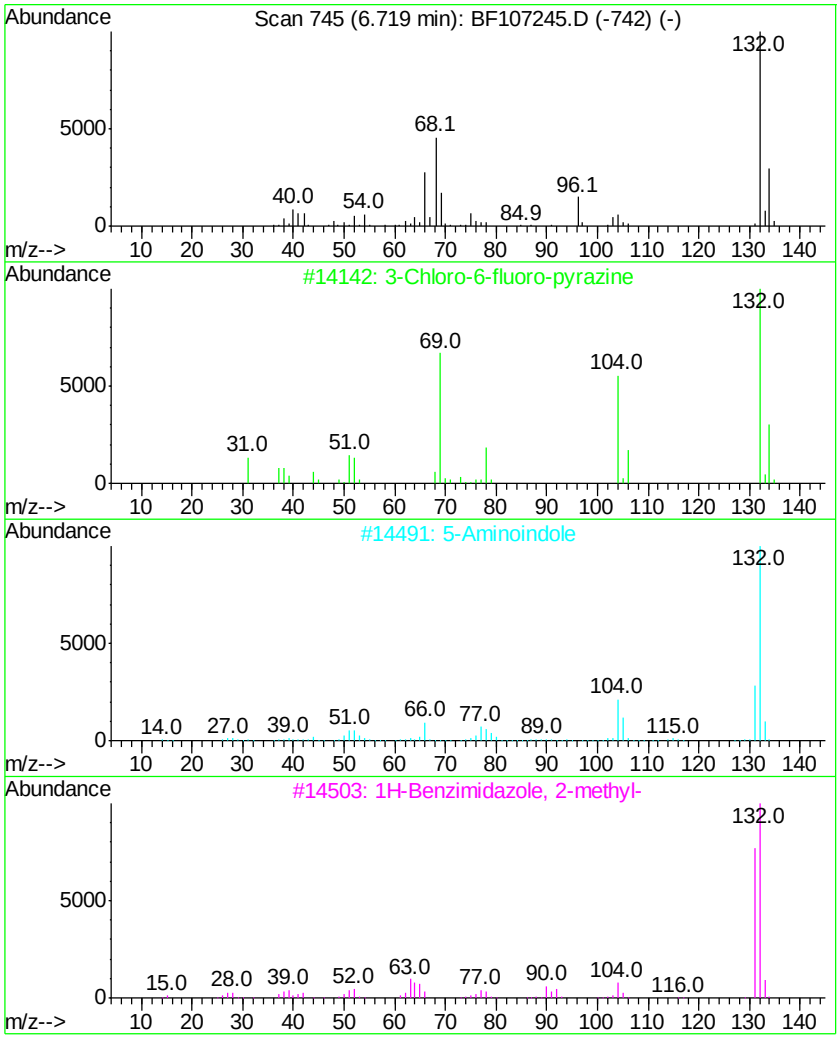
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

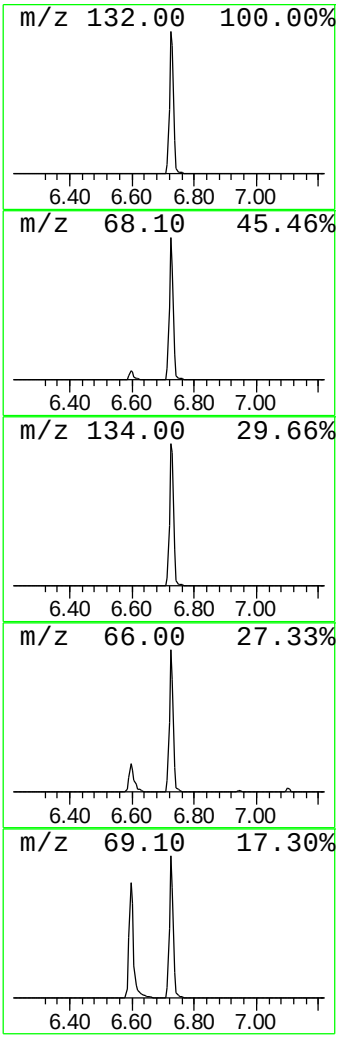
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	70.47 ng	585302	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	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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Operator : JU/SJ
Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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

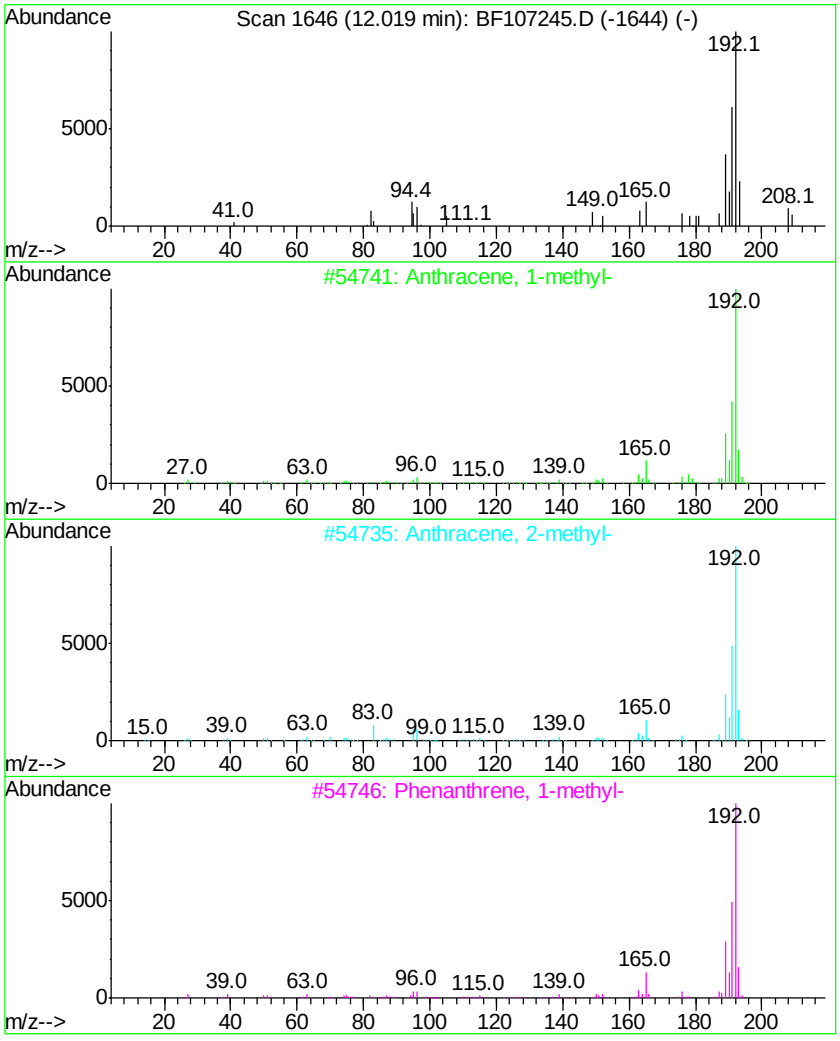
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

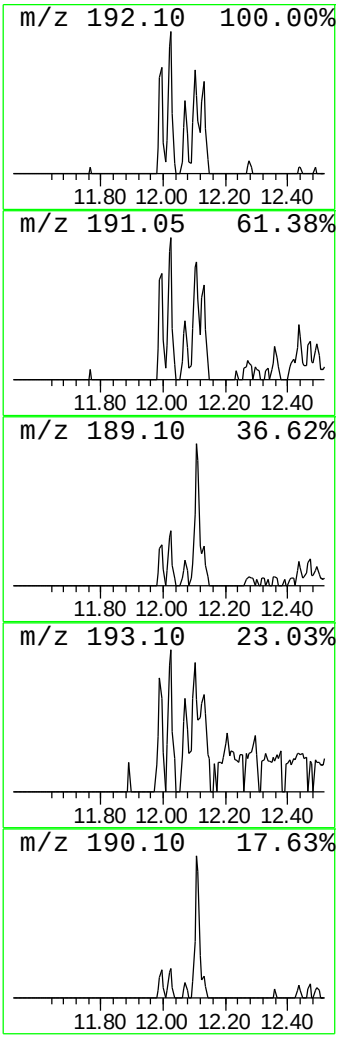
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.29 ng	24363	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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Operator : JU/SJ
Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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

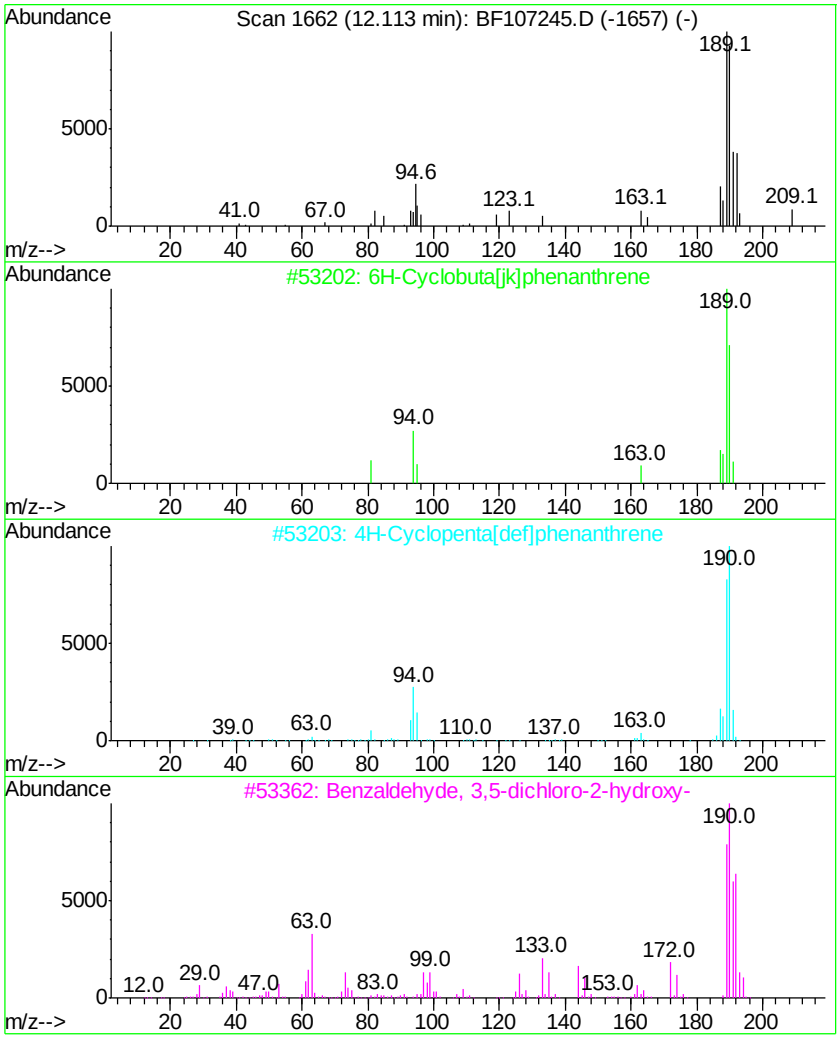
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

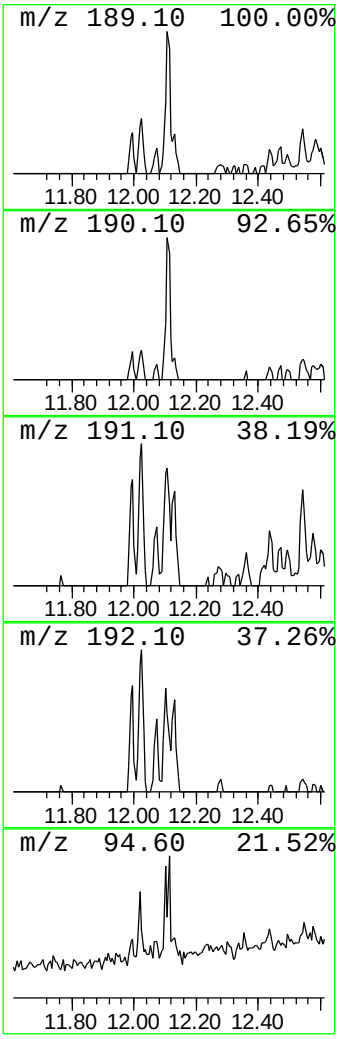
****

Peak Number 5 6H-Cyclobuta[jk]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.11 ng	33139	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
4	1-Chloro-4-(2-chloro-2-fluoroeth...	190	C8H5Cl2F	1000305-36-3	38
5	Pyrimidine, 6-oxo-4-(4-fluorophe...	190	C10H7FN2O	085979-57-3	25





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Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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

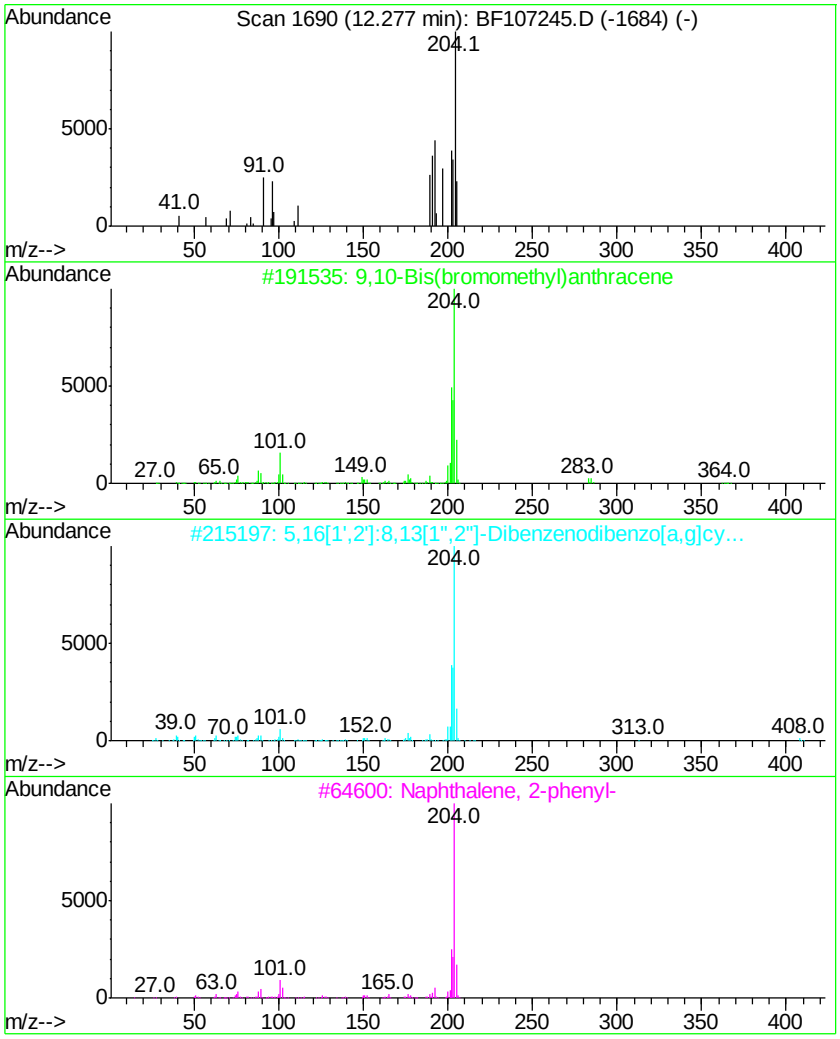
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

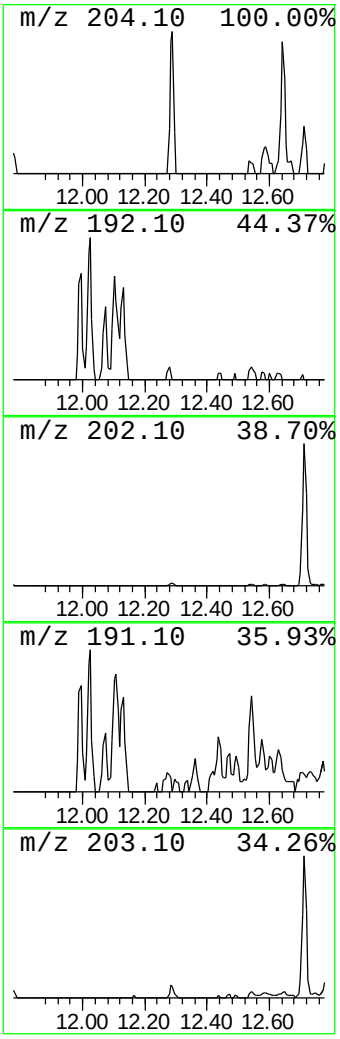
****

Peak Number 6 9,10-Bis(bromomethyl)anthra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.40 ng	25570	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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

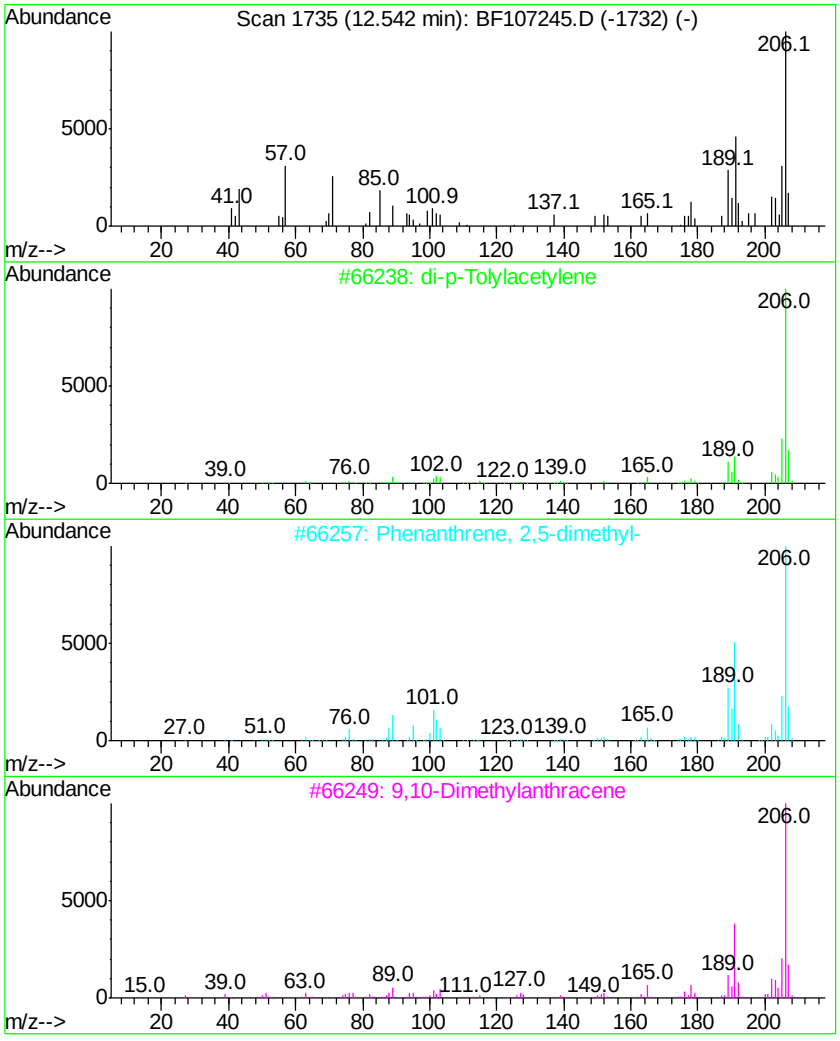
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

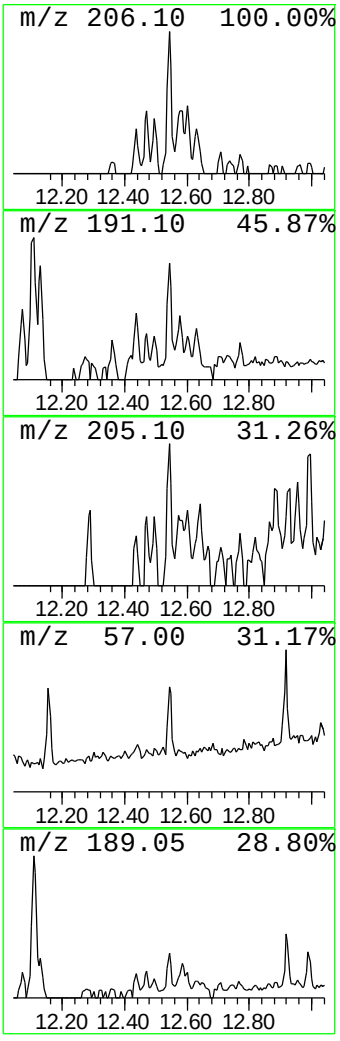
****

Peak Number 7 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.90 ng	30817	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83





Library Search Compound Report

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Sample : J3880-13
Misc :
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Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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

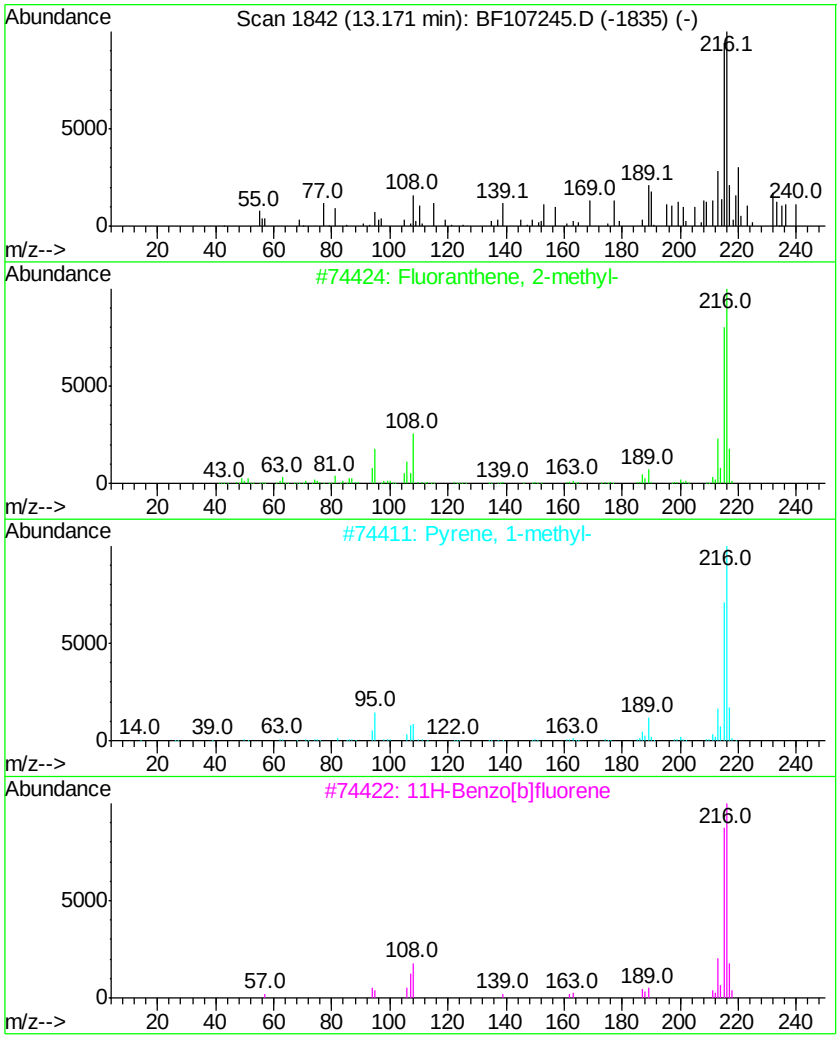
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

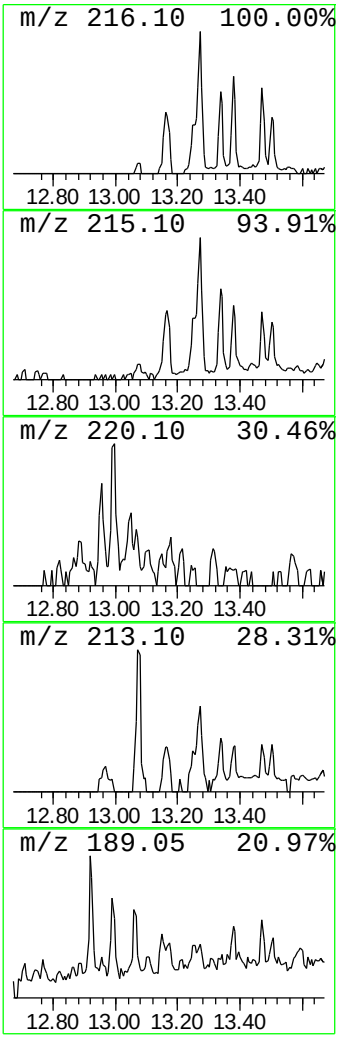
****

Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.27 ng	45035	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	58
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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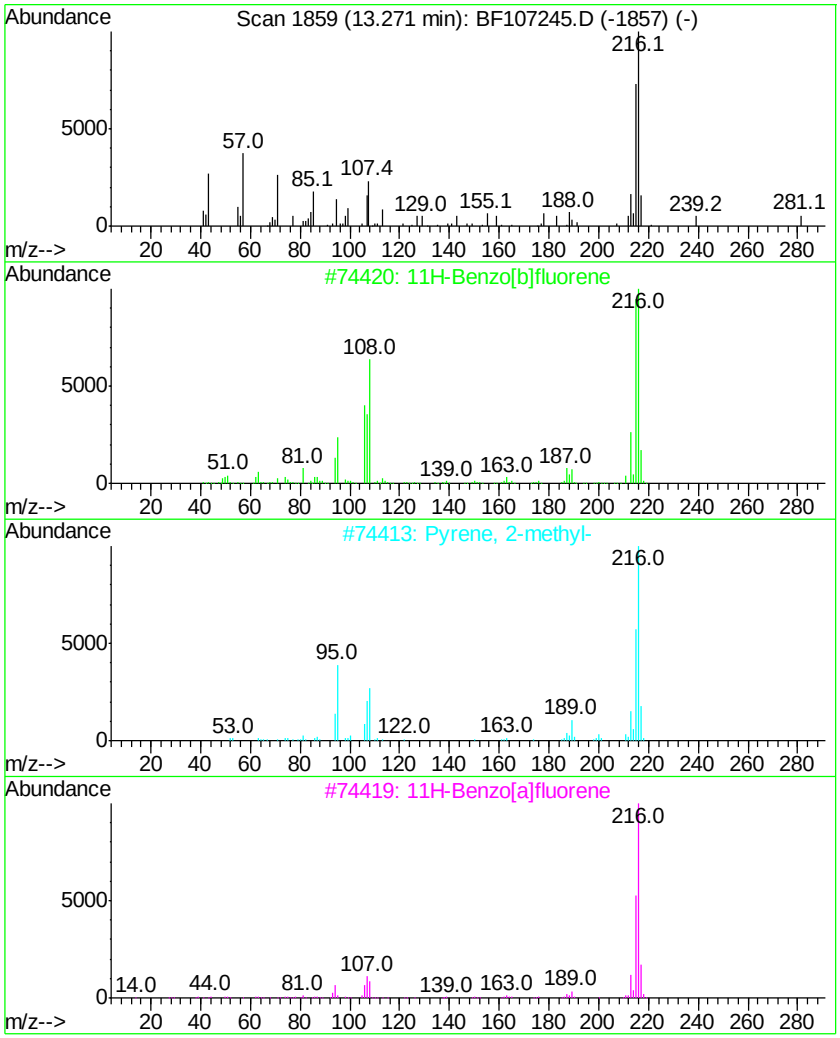
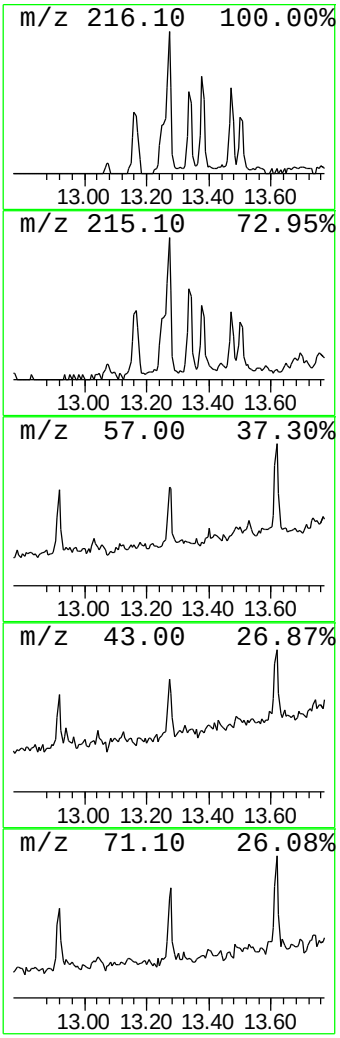
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.39 ng	32906	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	59
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107245.D
Acq On : 9 Jul 2018 22:36
Operator : JU/SJ
Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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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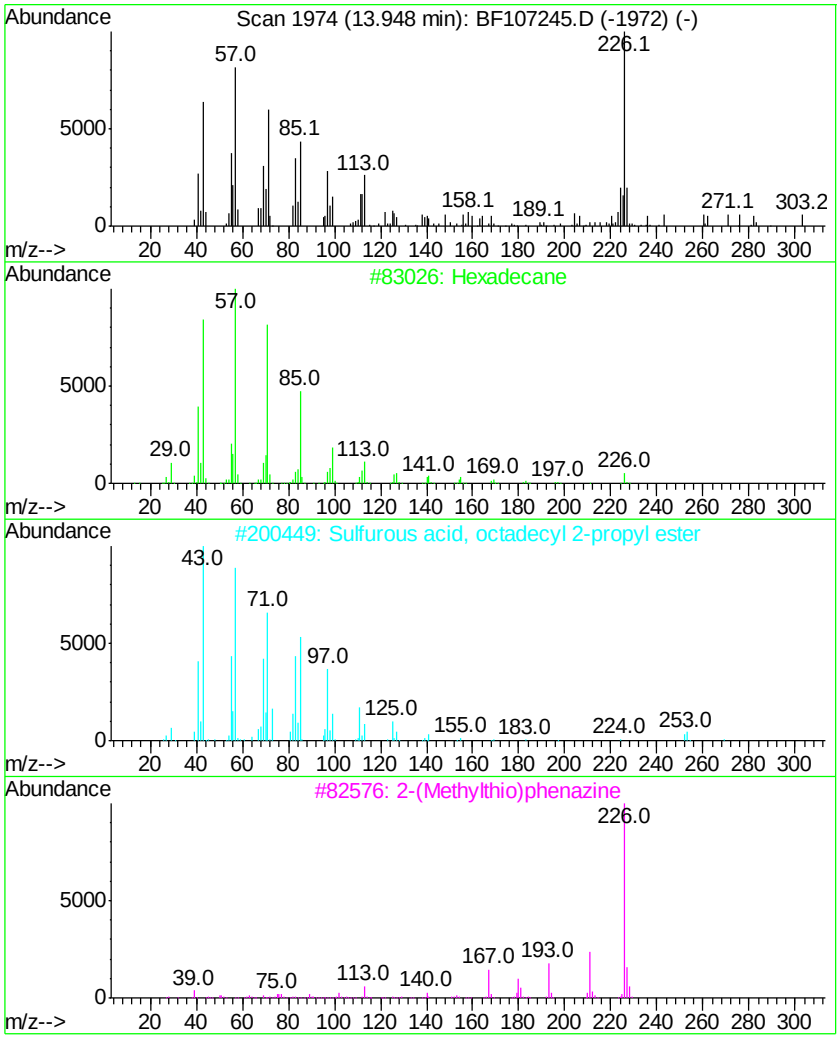
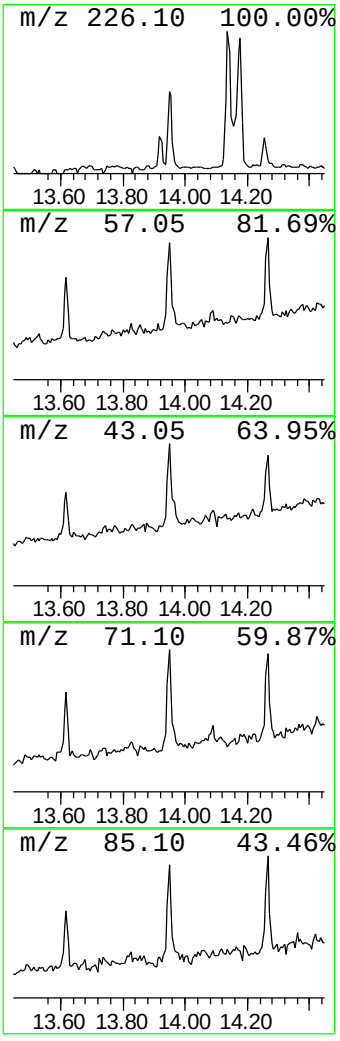
Peak Number 10 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.80 ng	52269	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	58
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	42
3	2-(Methylthio)phenazine	226	C13H10N2S	005752-54-5	38
4	Eicosane	282	C20H42	000112-95-8	38
5	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070918\
Data File : BF107245.D
Acq On : 9 Jul 2018 22:36
Operator : JU/SJ
Sample : J3880-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-17

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	10.8	ng	89571	1	6.95	166121	20.0
unknown6.72	6.72	70.5	ng	585302	1	6.95	166121	20.0
Anthracene, 1-met...	12.02	2.3	ng	24363	4	11.49	212823	20.0
6H-Cyclobuta[jk]p...	12.11	3.1	ng	33139	4	11.49	212823	20.0
9,10-Bis(bromomet...	12.28	2.4	ng	25570	4	11.49	212823	20.0
di-p-Tolylacetylene	12.54	2.9	ng	30817	4	11.49	212823	20.0
Fluoranthene, 2-m...	13.17	3.3	ng	45035	5	14.15	275438	20.0
11H-Benzo[b]fluorene	13.27	2.4	ng	32906	5	14.15	275438	20.0
Hexadecane	13.95	3.8	ng	52269	5	14.15	275438	20.0