LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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	499	rBB	118851	142253	12.29%	1.164%
2	5.596	550	554	574	rBV	982655	1007659	87.02%	8.243%
3	6.601	720	725	739	rBV	935136	1053040	90.94%	8.614%
4	6.731	743	747	750	rVV	1063856	1016330	87.77%	8.314%
5	6.778	750	755	764	rVB2	14376	27780	2.40%	0.227%
6	6.948	780	784	788	rBV	354272	280646	24.24%	2.296%
7	7.107	807	811	814	rBV	890118	807227	69.71%	6.603%
8	7.513	876	880	890	rBV	608521	614678	53.08%	5.028%
9	8.231	999	1002	1013	rBV	362615	359320	31.03%	2.939%
10	8.948	1121	1124	1129	rBB	17647	15927	1.38%	0.130%
11	9.307	1180	1185	1188	rBV	1219742	1146568	99.02%	9.379%
12	9.695	1245	1251	1257	rBV	208839	196284	16.95%	1.606%
13	9.854	1272	1278	1282	rBV	17459	17540	1.51%	0.143%
14	9.995	1298	1302	1305	rBV	374536	355120	30.67%	2.905%
15	10.025	1305	1307	1313	rVB	18246	14774	1.28%	0.121%
16	10.201	1332	1337	1340	rBV2	12553	16499	1.42%	0.135%
17	10.395	1367	1370	1373	rBV	20393	16476	1.42%	0.135%
18	10.542	1392	1395	1402	rVB2	15631	16476	1.42%	0.135%
19	10.789	1433	1437	1443	rBV	748156	675013	58.30%	5.522%
20	10.872	1448	1451	1454	rVV2	18751	27306	2.36%	0.223%
21	10.901	1454	1456	1462	rVB	21535	23985	2.07%	0.196%
22	11.295	1519	1523	1525	rBV	12484	12822	1.11%	0.105%
23	11.319	1525	1527	1530	rVV3	13031	13863	1.20%	0.113%
24	11.489	1552	1556	1558	rBV	429585	373544	32.26%	3.056%
25	11.513	1558	1560	1563	rVV	162227	127538	11.01%	1.043%
26	11.566	1565	1569	1572	rBV	48762	42782	3.69%	0.350%
27	11.725	1593	1596	1598	rBV	13445	12957	1.12%	0.106%
28	11.989	1638	1641	1643	rBV	32762	29976	2.59%	0.245%
29	12.019	1643	1646	1649	rVV2	45547	40360	3.49%	0.330%
30	12.066	1651	1654	1657	rVB	16038	16222	1.40%	0.133%
31	12.107	1657	1661	1663	rBV2	42043	53708	4.64%	0.439%
32	12.125	1663	1664	1667	rVB	21892	14056	1.21%	0.115%
33	12.283	1688	1691	1694	rBV	25207	23976	2.07%	0.196%
34	12.319	1694	1697	1701	rVB	17683	19113	1.65%	0.156%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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	12.542	1732	1735	1737	rBV	46497	45088	3.89%	0.369%
36	12.636	1747	1751	1755	rBV2	25793	35659	3.08%	0.292%
37	12.707	1759	1763	1767	rBV	356117	307410	26.55%	2.515%
38	12.772	1771	1774	1776	rBV4	11839	12972	1.12%	0.106%
39	12.919	1796	1799	1800	rBV	76390	67204	5.80%	0.550%
40	12.942	1800	1803	1808	rVV	320458	293564	25.35%	2.401%
41	12.989	1808	1811	1814	rVB2	24763	24316	2.10%	0.199%
42	13.072	1821	1825	1828	rBV	1275827	1157924	100.00%	9.472%
43	13.107	1828	1831	1835	rVB	18524	22284	1.92%	0.182%
44	13.166	1835	1841	1844	rBV4	25910	53657	4.63%	0.439%
45	13.248	1852	1855	1856	rBV3	26843	28691	2.48%	0.235%
46	13.266	1856	1858	1863	rVB2	59299	60866	5.26%	0.498%
47	13.330	1867	1869	1872	rVV	21003	21405	1.85%	0.175%
48	13.466	1890	1892	1895	rBV	28285	31944	2.76%	0.261%
49	13.495	1895	1897	1900	rVV	27725	29520	2.55%	0.241%
50	13.613	1915	1917	1920	rBV	36297	34915	3.02%	0.286%
51	13.889	1962	1964	1967	rBV	29124	30048	2.59%	0.246%
52	13.919	1967	1969	1971	rVB	28424	21847	1.89%	0.179%
53	13.948	1971	1974	1980	rBV3	99298	137300	11.86%	1.123%
54	14.142	2003	2007	2010	rBV2	346623	436411	37.69%	3.570%
55	14.171	2010	2012	2015	rVB	140279	102953	8.89%	0.842%
56	14.571	2077	2080	2084	rBV	77781	97349	8.41%	0.796%
57	15.236	2188	2193	2200	rVB2	133442	286394	24.73%	2.343%
58	15.624	2256	2259	2261	rBV	63420	91106	7.87%	0.745%
59	15.683	2266	2269	2273	rBV	149510	181894	15.71%	1.488%

Sum of corrected areas: 12224539

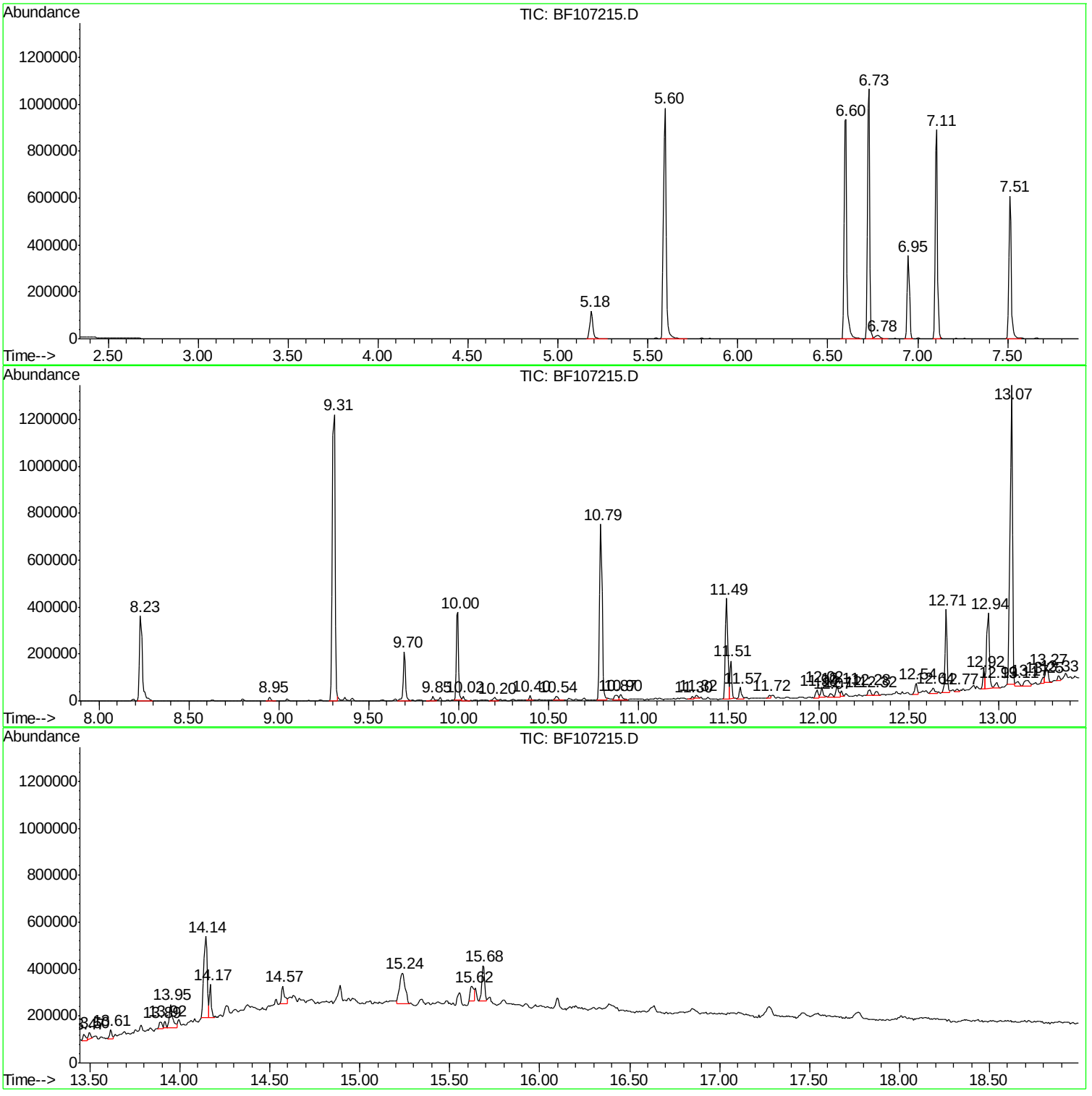
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14

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\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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

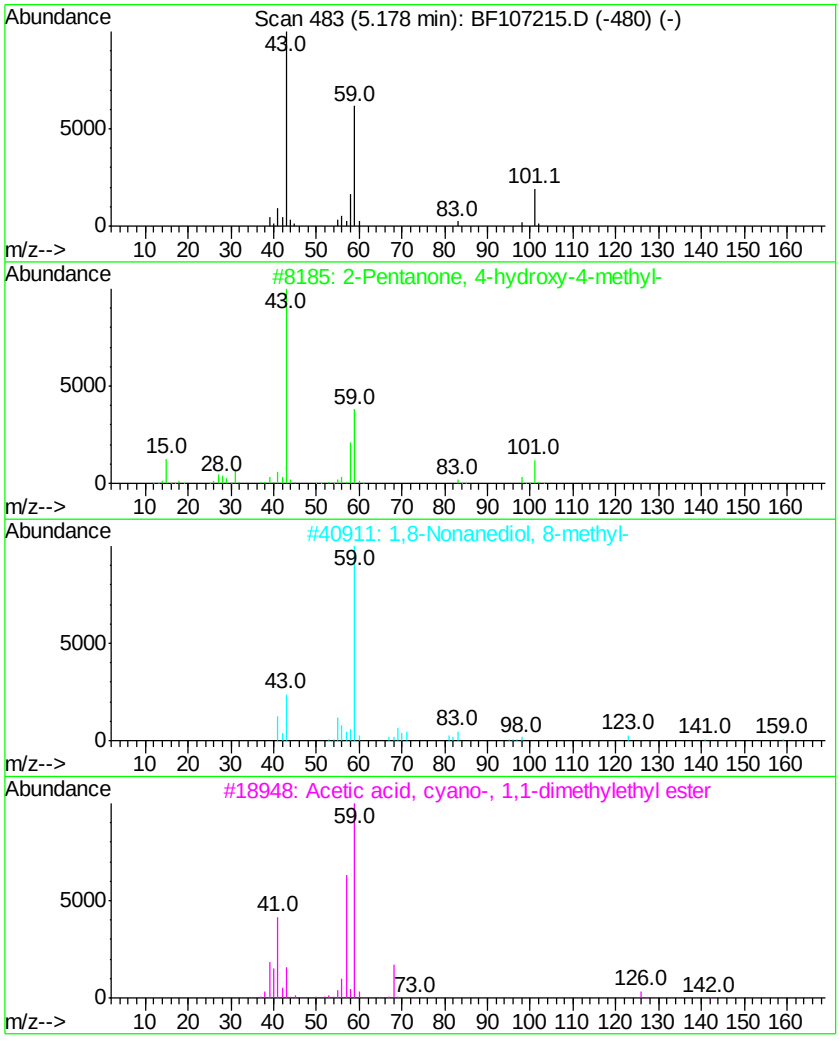
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

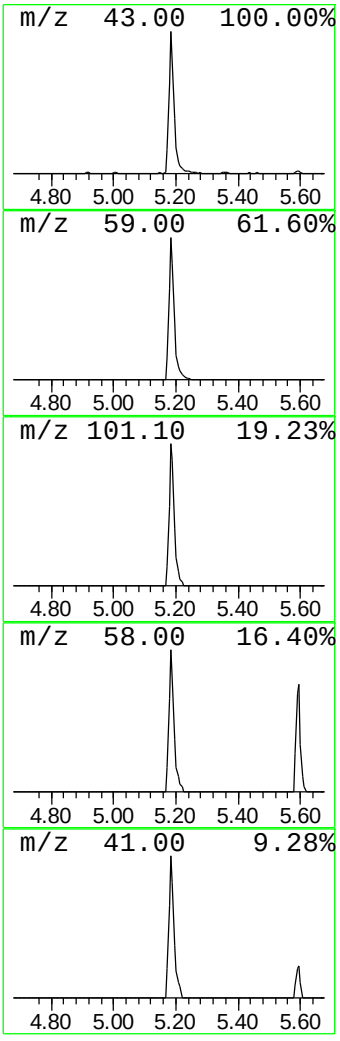
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	10.14 ng	142253	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	72
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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

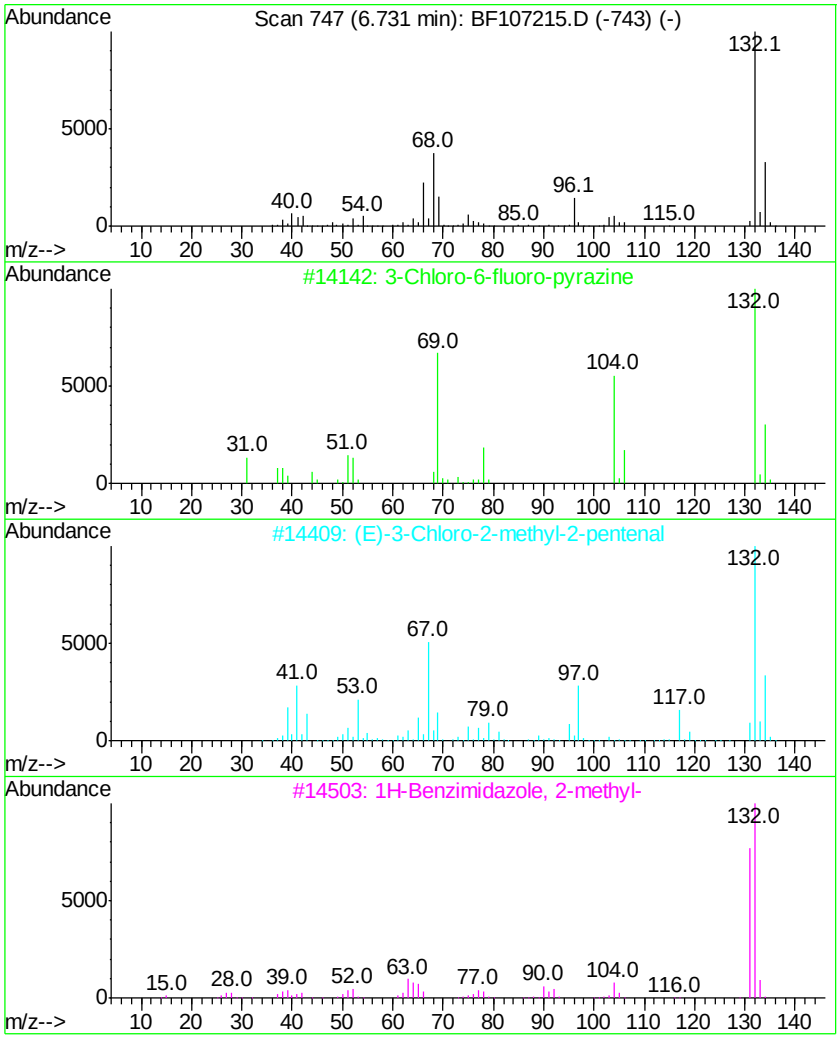
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

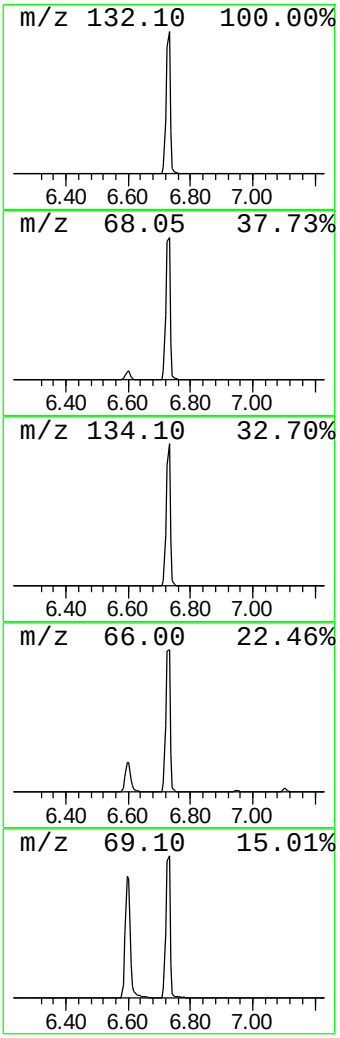
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	72.43 ng	1016330	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	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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

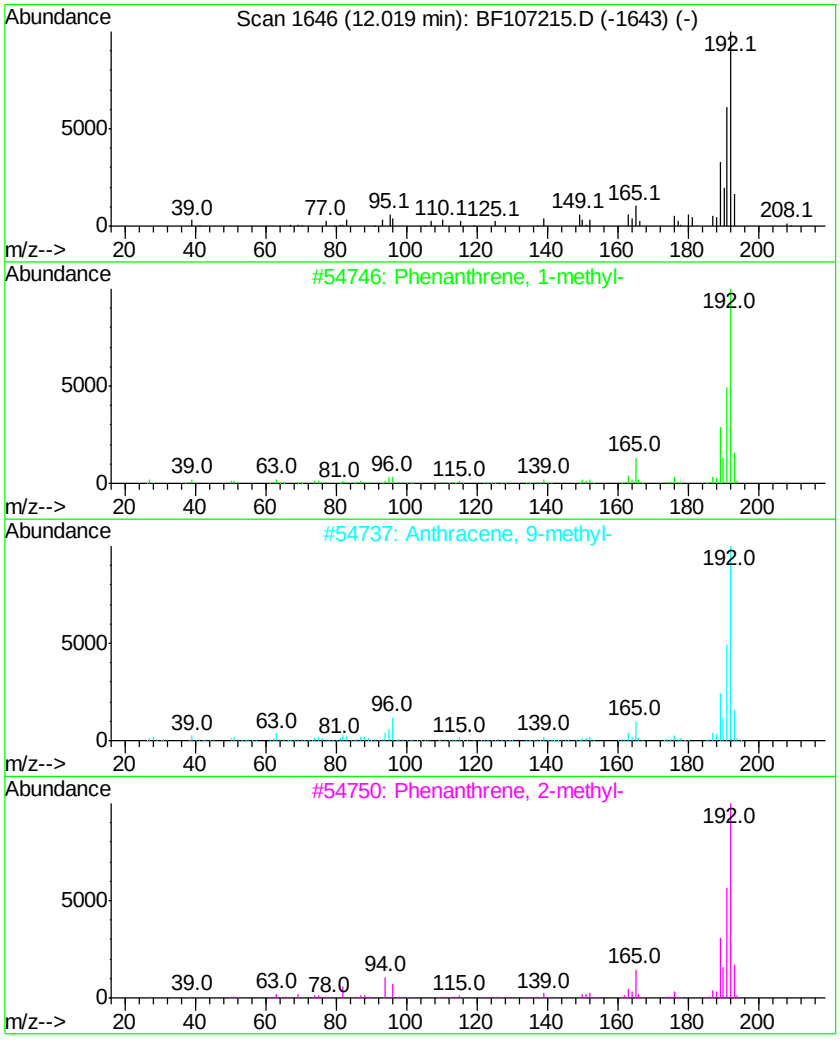
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

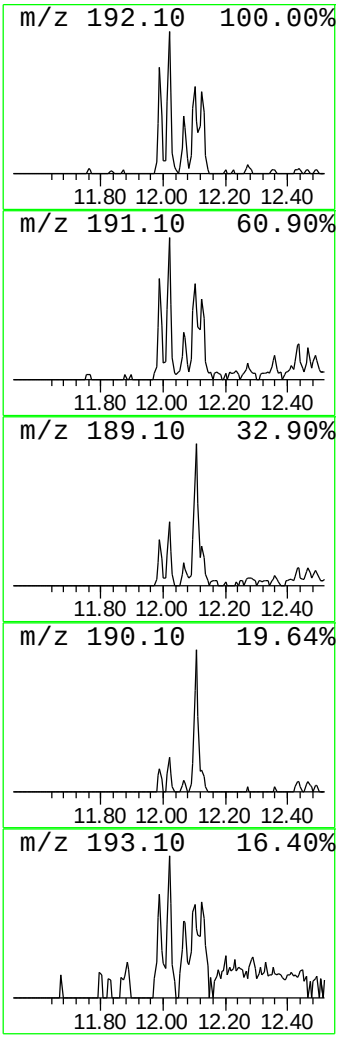
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.16 ng	40360	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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

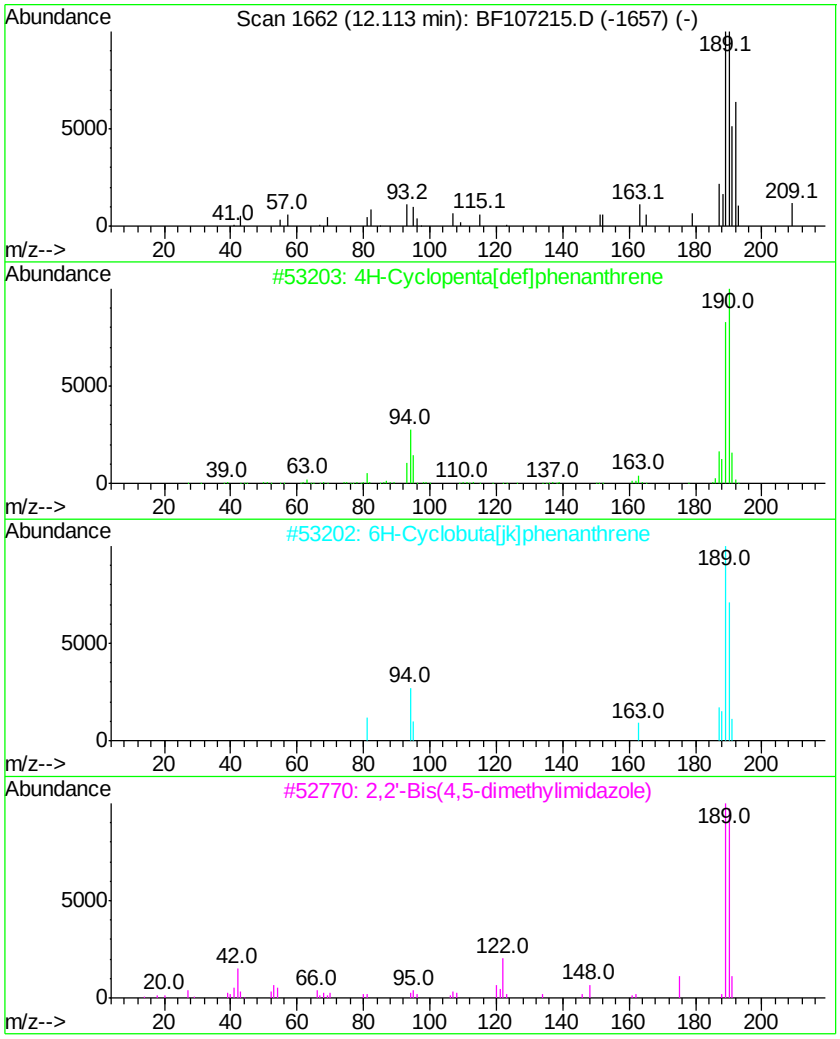
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

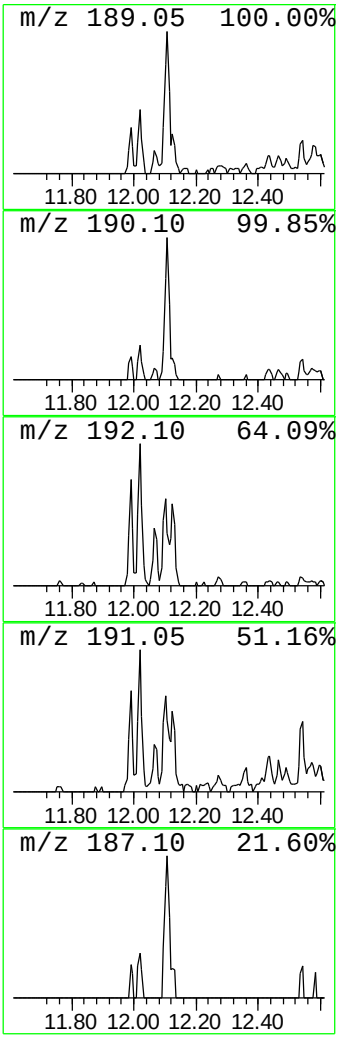
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	2.88 ng	53708	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	37
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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

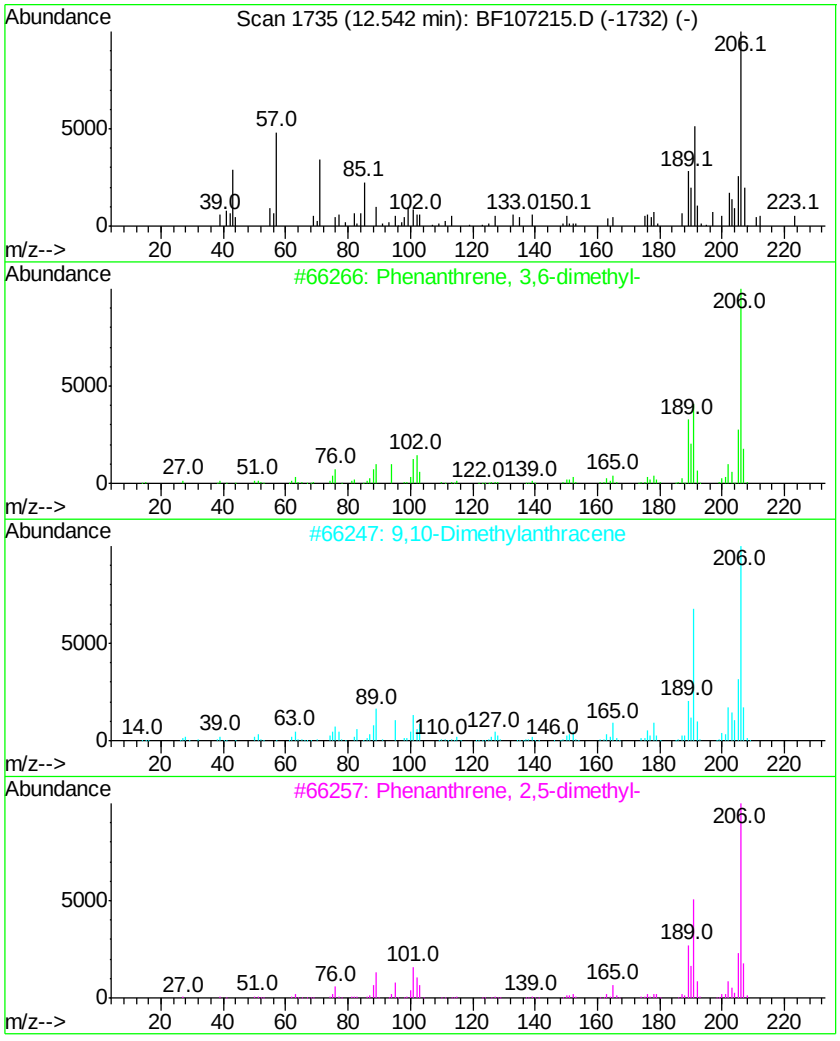
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

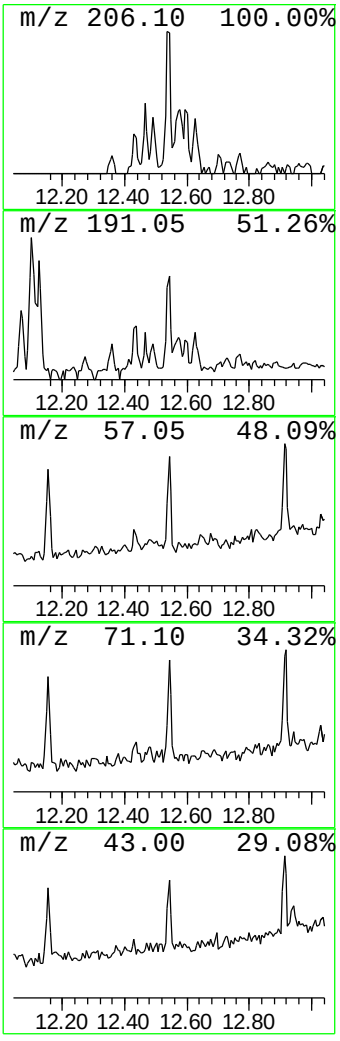
****

Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.41 ng	45088	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	76
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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

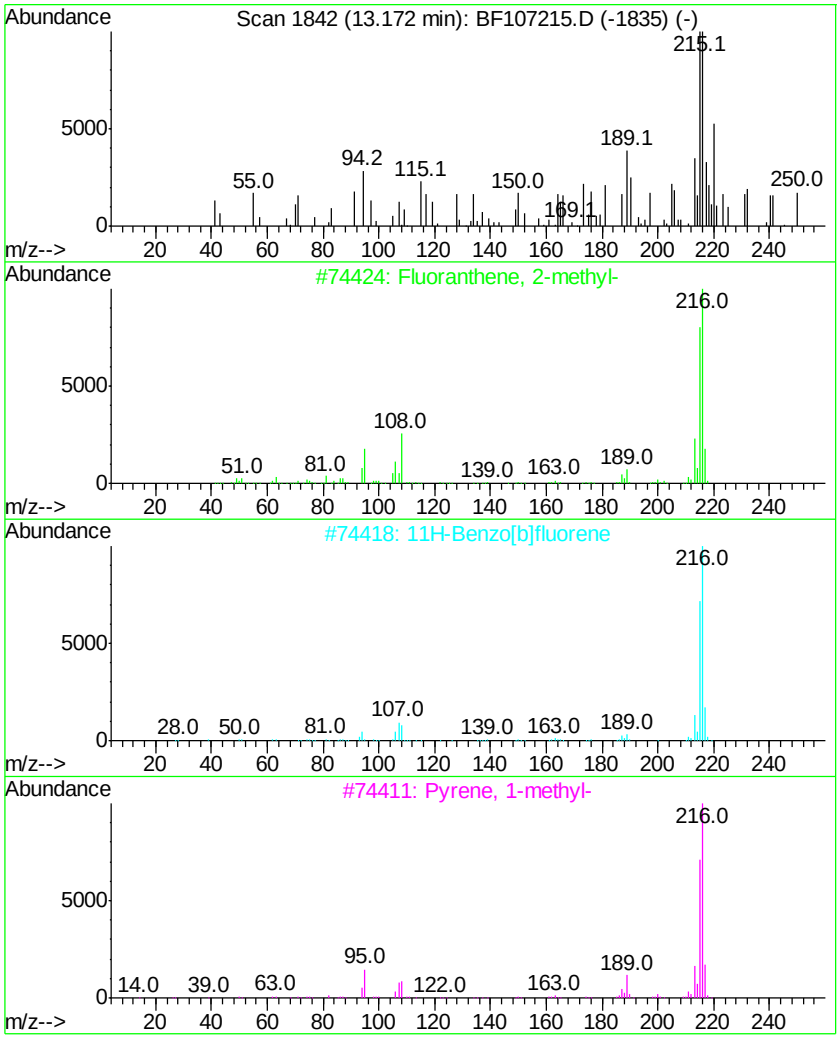
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

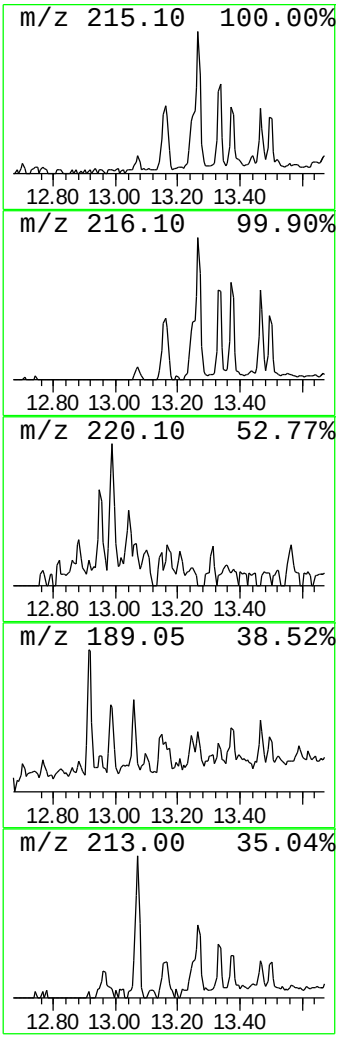
****

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.46 ng	53657	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	53





Library Search Compound Report

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Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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

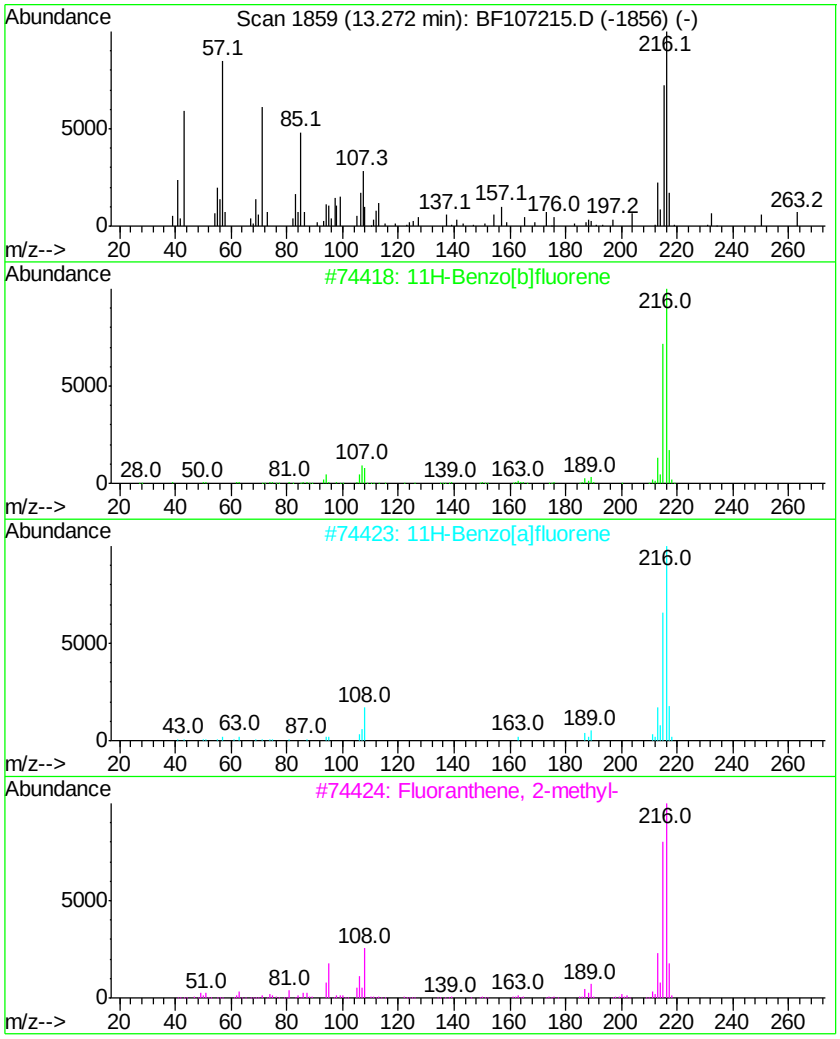
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

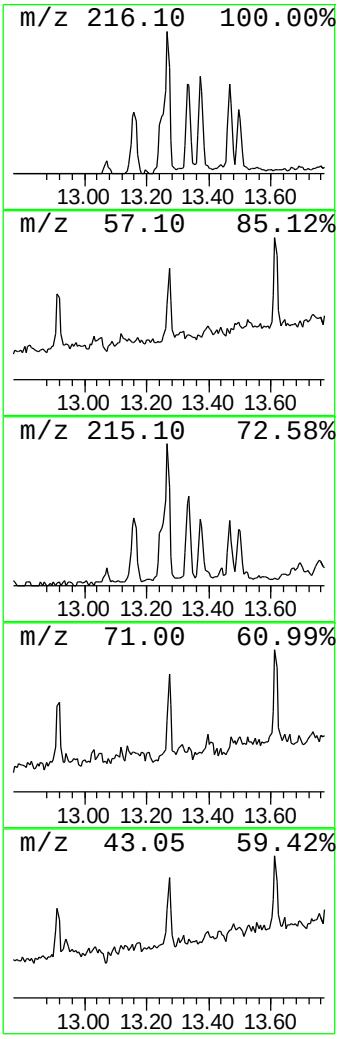
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.79 ng	60866	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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

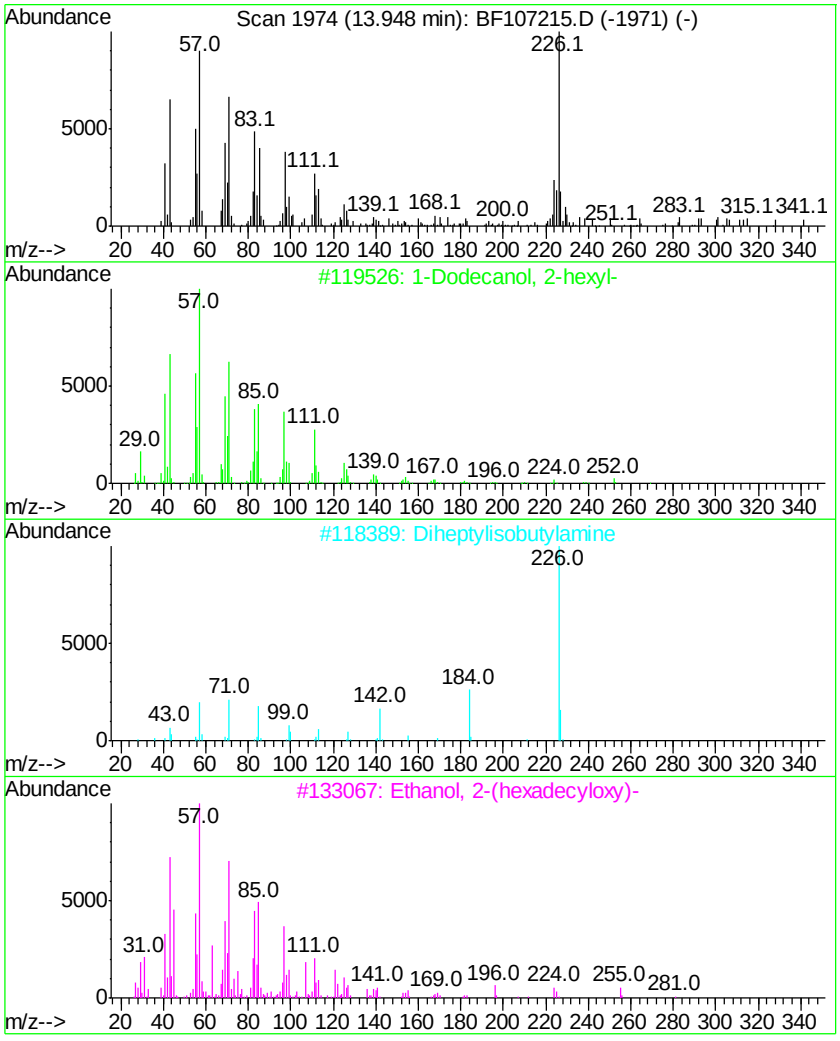
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

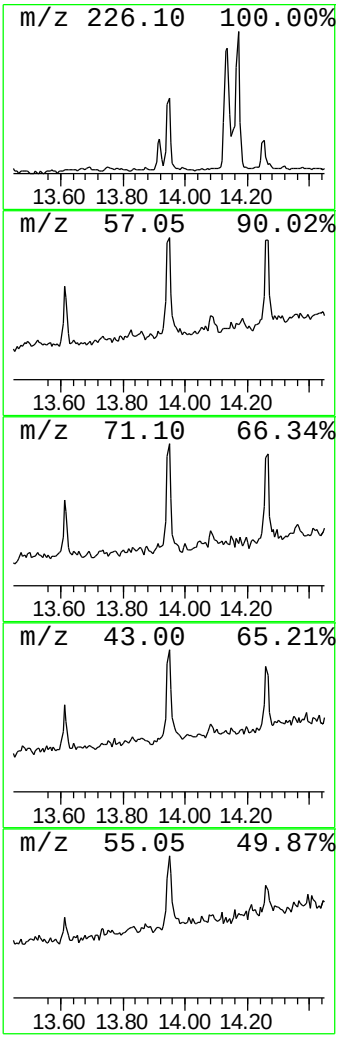
****

Peak Number 9 1-Dodecanol, 2-hexyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	6.29 ng	137300	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	50
2	Diheptylisobutylamine	269	C18H39N	1000310-32-0	43
3	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	43
4	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	43
5	2,6-Dimethyldecane	170	C12H26	013150-81-7	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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

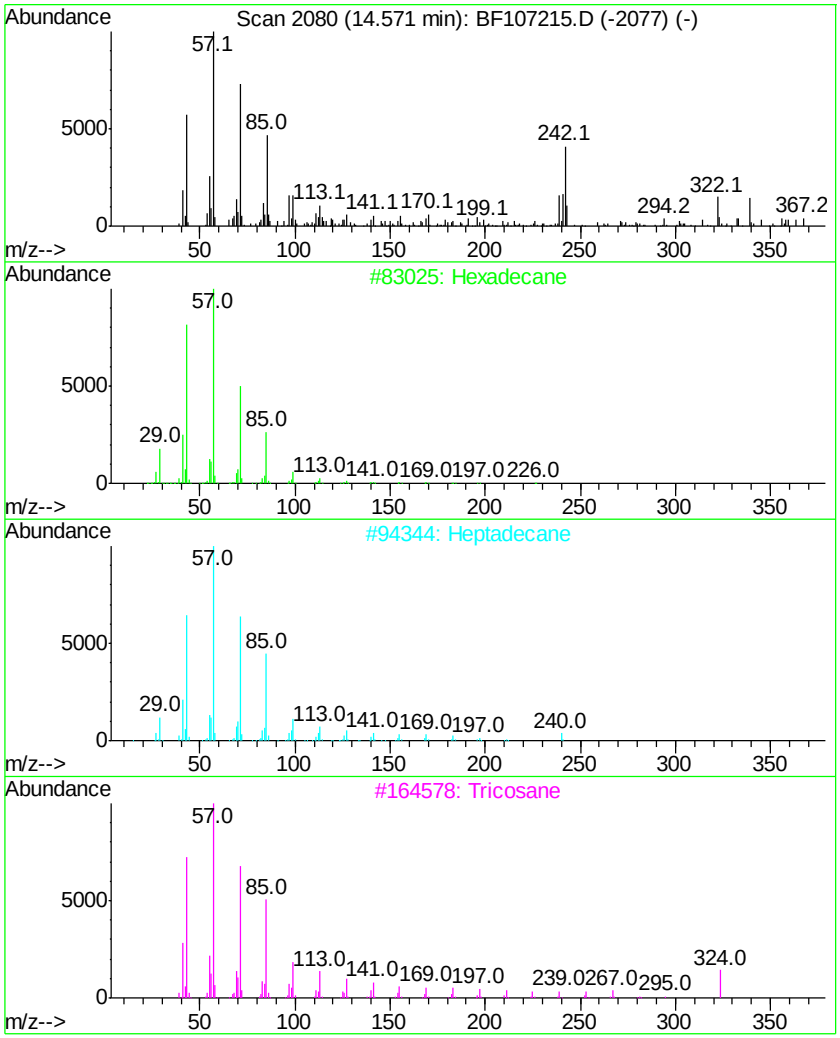
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

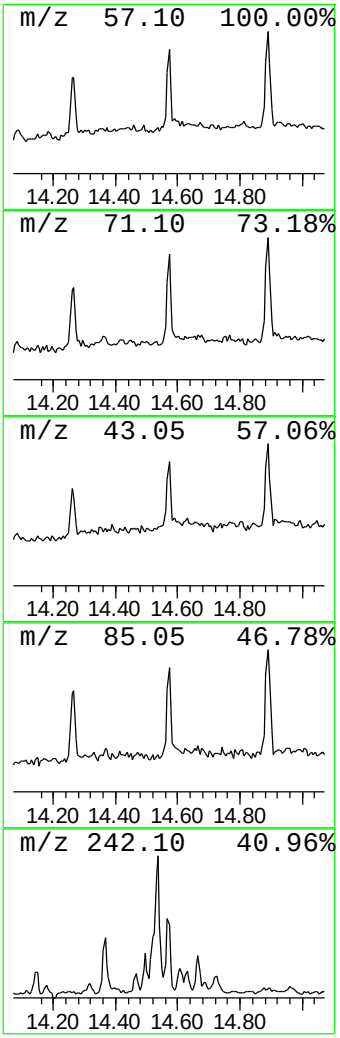
****

Peak Number 10 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	4.46 ng	97349	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heptadecane	240	C17H36	000629-78-7	83
3	Tricosane	324	C23H48	000638-67-5	80
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	55
5	Hexacosane	366	C26H54	000630-01-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070718\
Data File : BF107215.D
Acq On : 7 Jul 2018 19:05
Operator : JU/SJ
Sample : J3880-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-14

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	142253	1	6.95	280646	20.0
unknown6.73	6.73	72.4	ng	1016330	1	6.95	280646	20.0
Phenanthrene, 1-m...	12.02	2.2	ng	40360	4	11.49	373544	20.0
4H-Cyclopenta[def...	12.11	2.9	ng	53708	4	11.49	373544	20.0
Phenanthrene, 3,6...	12.54	2.4	ng	45088	4	11.49	373544	20.0
Fluoranthene, 2-m...	13.17	2.5	ng	53657	5	14.14	436411	20.0
11H-Benzo[b]fluorene	13.27	2.8	ng	60866	5	14.14	436411	20.0
1-Dodecanol, 2-he...	13.95	6.3	ng	137300	5	14.14	436411	20.0
Hexadecane	14.57	4.5	ng	97349	5	14.14	436411	20.0