LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(3-5)

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-BF072018.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	5.195	482	486	496	rBV	333028	493715	13.21%	1.101%
2	5.595	550	554	587	rBV	1490467	2820650	75.44%	6.293%
3	6.595	720	724	744	rBV	1852154	3160900	84.54%	7.052%
4	6.731	744	747	781	rVV	2370757	3738762	100.00%	8.341%
5	6.960	783	786	808	rVV	683644	1274847	34.10%	2.844%
6	7.113	809	812	841	rVB	2004338	2596245	69.44%	5.792%
7	7.525	878	882	906	rBV	1308038	2118721	56.67%	4.727%
8	8.242	1000	1004	1024	rBV	1292309	1743078	46.62%	3.889%
9	9.313	1182	1186	1202	rBV	3320806	3707232	99.16%	8.270%
10	9.707	1250	1253	1262	rVB	163130	168408	4.50%	0.376%
11	9.860	1275	1279	1286	rBV	102179	138237	3.70%	0.308%
12	10.001	1299	1303	1319	rBV	1647105	1792062	47.93%	3.998%
13	10.213	1333	1339	1341	rBV2	45003	71464	1.91%	0.159%
14	10.236	1341	1343	1352	rVB3	31590	45186	1.21%	0.101%
15	10.407	1366	1372	1378	rVB3	33641	48538	1.30%	0.108%
16	10.554	1393	1397	1404	rBV	140775	175729	4.70%	0.392%
17	10.707	1419	1423	1429	rVB	36484	44815	1.20%	0.100%
18	10.795	1434	1438	1451	rBV	1888636	2368044	63.34%	5.283%
19	10.883	1451	1453	1463	rVB2	54642	96158	2.57%	0.215%
20	11.101	1483	1490	1493	rBV2	52431	83930	2.24%	0.187%
21	11.330	1526	1529	1532	rBV2	46701	44956	1.20%	0.100%
22	11.395	1536	1540	1550	rVB	53905	94793	2.54%	0.211%
23	11.495	1553	1557	1559	rBV	1534608	1493515	39.95%	3.332%
24	11.519	1559	1561	1567	rVV	929839	1022628	27.35%	2.281%
25	11.571	1567	1570	1580	rVB	245296	343025	9.17%	0.765%
26	11.995	1639	1642	1645	rBV	211280	244850	6.55%	0.546%
27	12.024	1645	1647	1652	rVV	163481	192777	5.16%	0.430%
28	12.071	1652	1655	1658	rVV	64278	72358	1.94%	0.161%
29	12.113	1658	1662	1669	rVB2	257638	411104	11.00%	0.917%
30	12.289	1689	1692	1696	rBV	85478	100295	2.68%	0.224%
31	12.548	1732	1736	1739	rBV2	85224	126149	3.37%	0.281%
32	12.583	1739	1742	1748	rVV4	57347	107719	2.88%	0.240%
33	12.636	1748	1751	1760	rVB5	39903	78032	2.09%	0.174%
34	12.713	1760	1764	1773	rBV	1249256	1366216	36.54%	3.048%

LSC Area Percent Report

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Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(3-5)

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.807	1777	1780	1786	rVV	104506	136582	3.65%	0.305%
36	12.871	1786	1791	1792	rVV	37511	62064	1.66%	0.138%
37	12.942	1796	1803	1809	rVV	975121	1238031	33.11%	2.762%
38	12.989	1809	1811	1815	rVB	66940	73921	1.98%	0.165%
39	13.077	1821	1826	1835	rBV	2363467	2513259	67.22%	5.607%
40	13.154	1835	1839	1846	rVB2	83706	149142	3.99%	0.333%
41	13.248	1851	1855	1856	rBV2	67347	84819	2.27%	0.189%
42	13.271	1856	1859	1864	rVV2	207982	279842	7.48%	0.624%
43	13.336	1867	1870	1873	rVV	204052	208922	5.59%	0.466%
44	13.377	1873	1877	1883	rVB2	100912	164777	4.41%	0.368%
45	13.465	1889	1892	1895	rBV	51880	49476	1.32%	0.110%
46	13.501	1895	1898	1904	rVB2	57918	71266	1.91%	0.159%
47	13.624	1916	1919	1922	rBV	67665	74072	1.98%	0.165%
48	13.754	1937	1941	1944	rBV6	34740	58624	1.57%	0.131%
49	13.783	1944	1946	1950	rVB	41649	45991	1.23%	0.103%
50	13.895	1962	1965	1967	rBV	59593	73320	1.96%	0.164%
51	13.918	1967	1969	1971	rVV	85386	77228	2.07%	0.172%
52	13.954	1971	1975	1980	rVB4	182061	229654	6.14%	0.512%
53	14.142	2002	2007	2010	rBV2	1376294	1877944	50.23%	4.189%
54	14.171	2010	2012	2019	rVB	515574	559938	14.98%	1.249%
55	14.271	2027	2029	2031	rBV	63288	42366	1.13%	0.095%
56	14.295	2031	2033	2040	rVB4	53436	78991	2.11%	0.176%
57	14.489	2064	2066	2068	rBV2	37739	39499	1.06%	0.088%
58	14.530	2070	2073	2076	rVV	124951	162271	4.34%	0.362%
59	14.577	2076	2081	2084	rVV2	98768	174626	4.67%	0.390%
60	14.624	2087	2089	2092	rVV	68896	86821	2.32%	0.194%
61	14.659	2092	2095	2096	rVV	60323	66822	1.79%	0.149%
62	14.683	2096	2099	2102	rVB	76260	86309	2.31%	0.193%
63	14.895	2132	2135	2139	rVB3	77222	87482	2.34%	0.195%
64	15.218	2185	2190	2193	rBV	392170	678670	18.15%	1.514%
65	15.330	2206	2209	2217	rVB	101536	139484	3.73%	0.311%
66	15.424	2222	2225	2227	rBV4	33726	47977	1.28%	0.107%
67	15.542	2240	2245	2252	rVB	205499	315558	8.44%	0.704%
68	15.606	2252	2256	2261	rBV	344391	496665	13.28%	1.108%
69	15.677	2262	2268	2280	rVB	811501	1443273	38.60%	3.220%
70	17.242	2528	2534	2546	rVB	106350	292077	7.81%	0.652%
71	17.718	2611	2615	2624	rVB2	78913	172509	4.61%	0.385%

LSC Area Percent Report

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Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-8(3-5)

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 44825410

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
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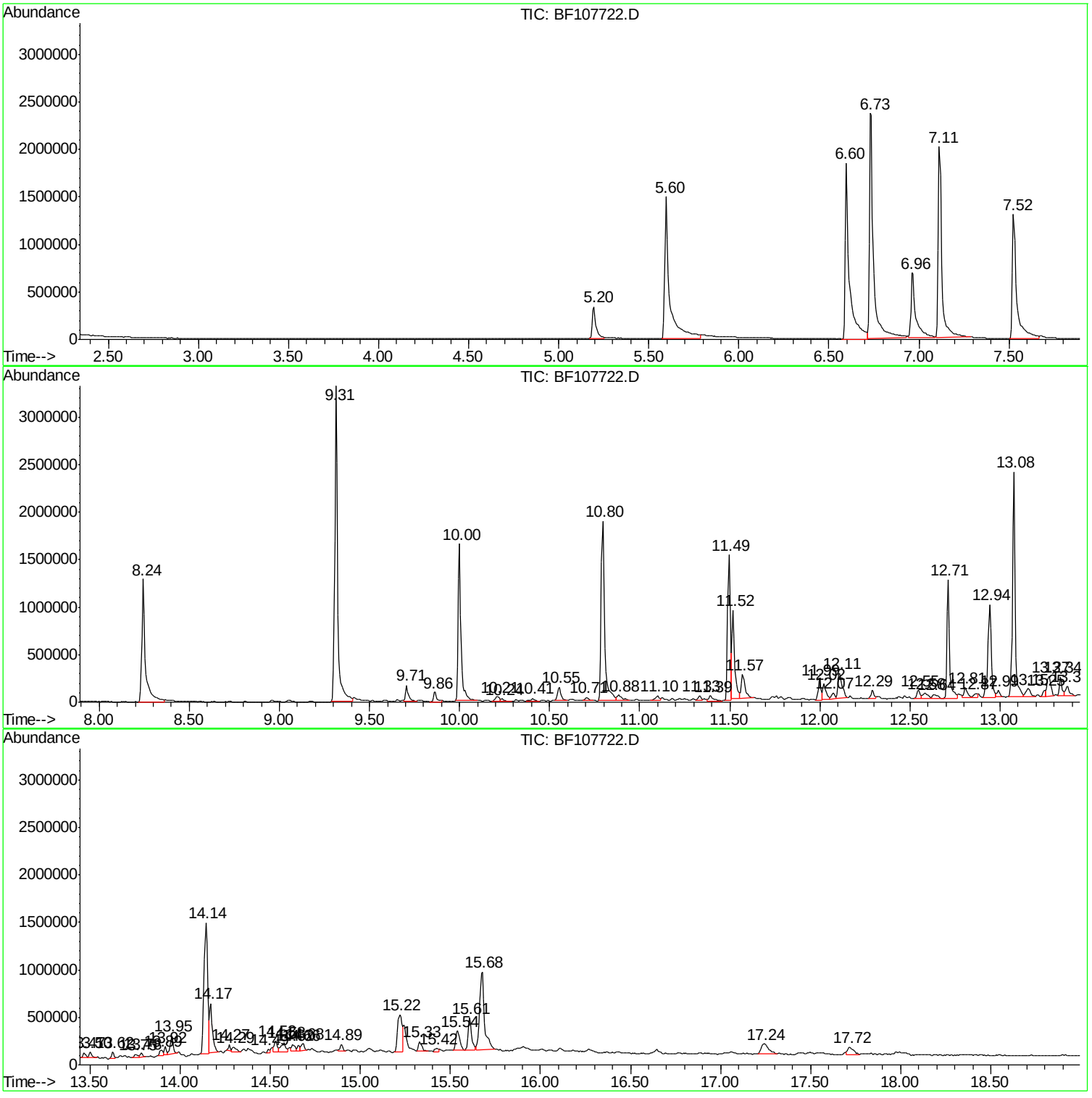
Instrument :
BNA_F
ClientSampleId :
SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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\BF072618\
Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
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Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

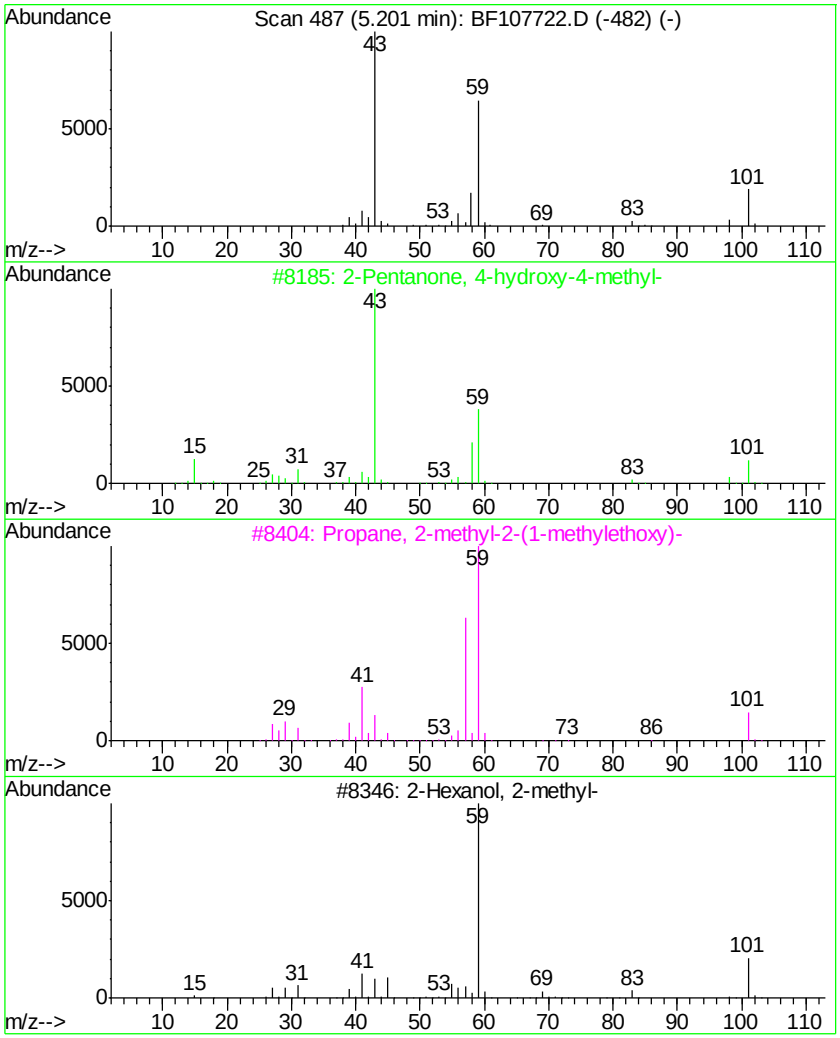
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

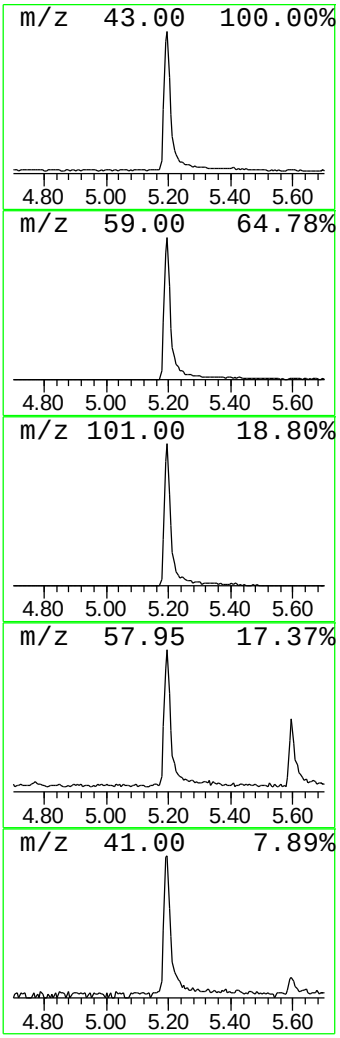
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	7.75 ng	493715	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

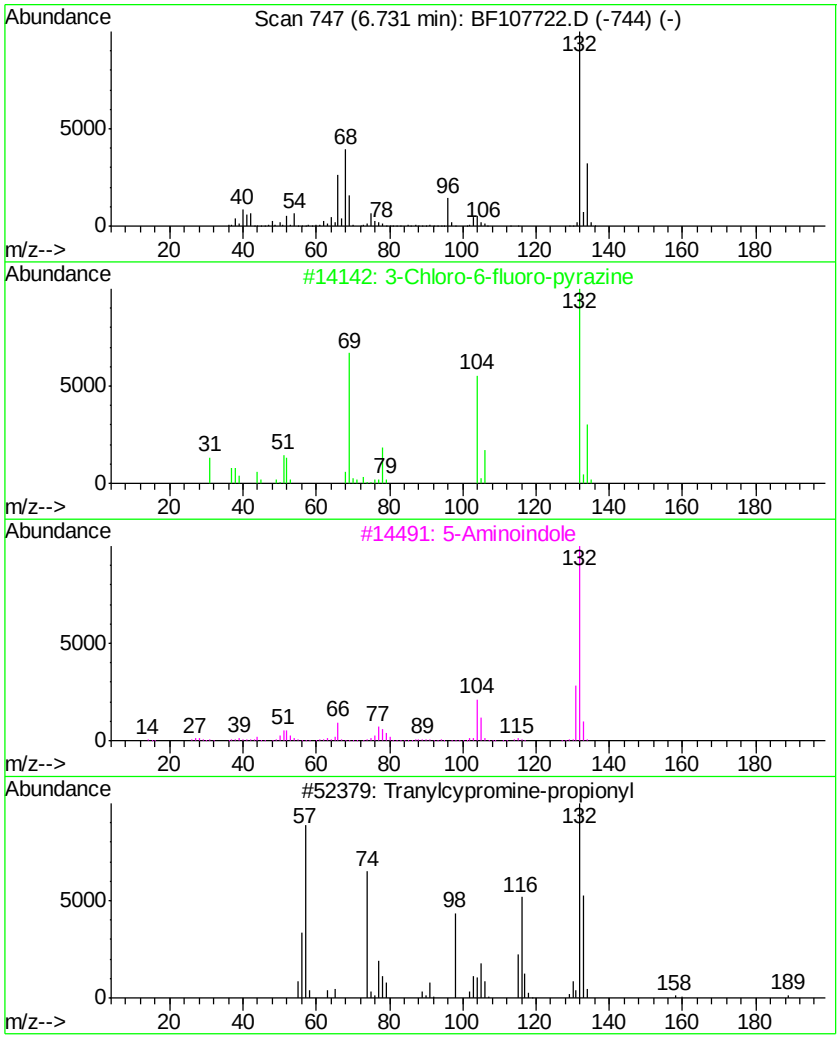
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

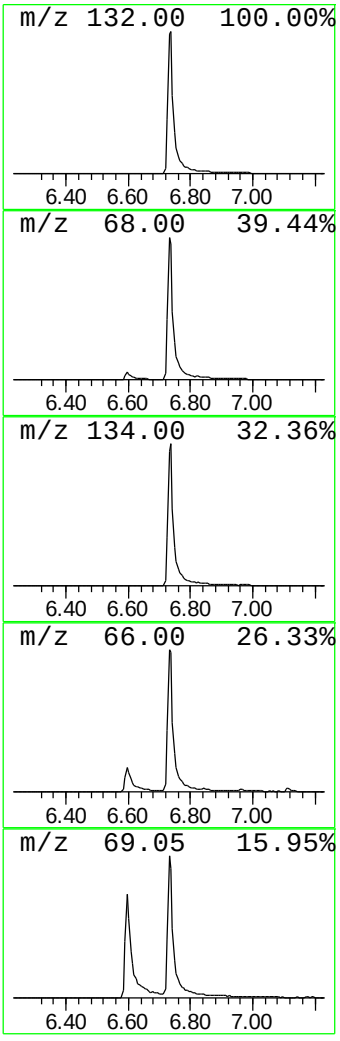
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	58.65 ng	3738760	1,4-Dichlorobenzene-d4	6.97

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

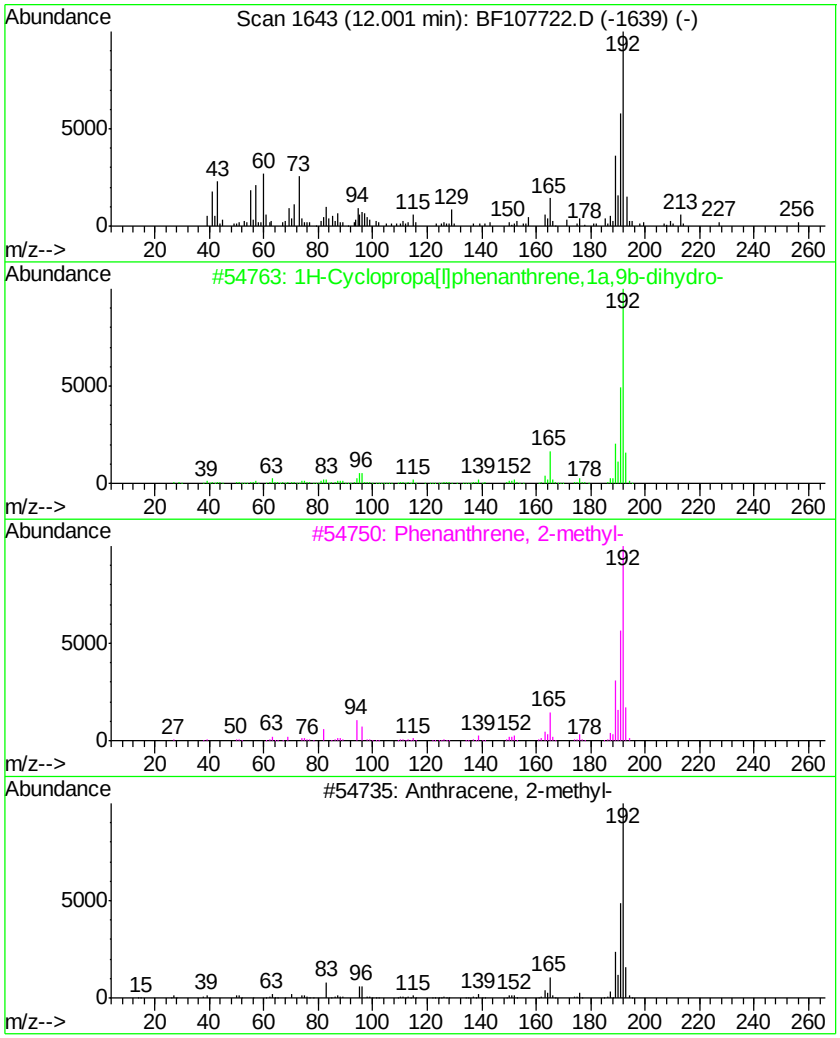
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

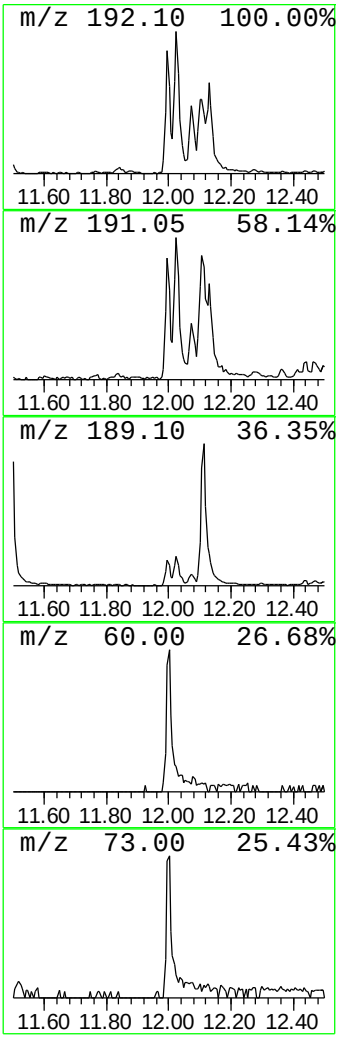
****

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.28 ng	244850	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

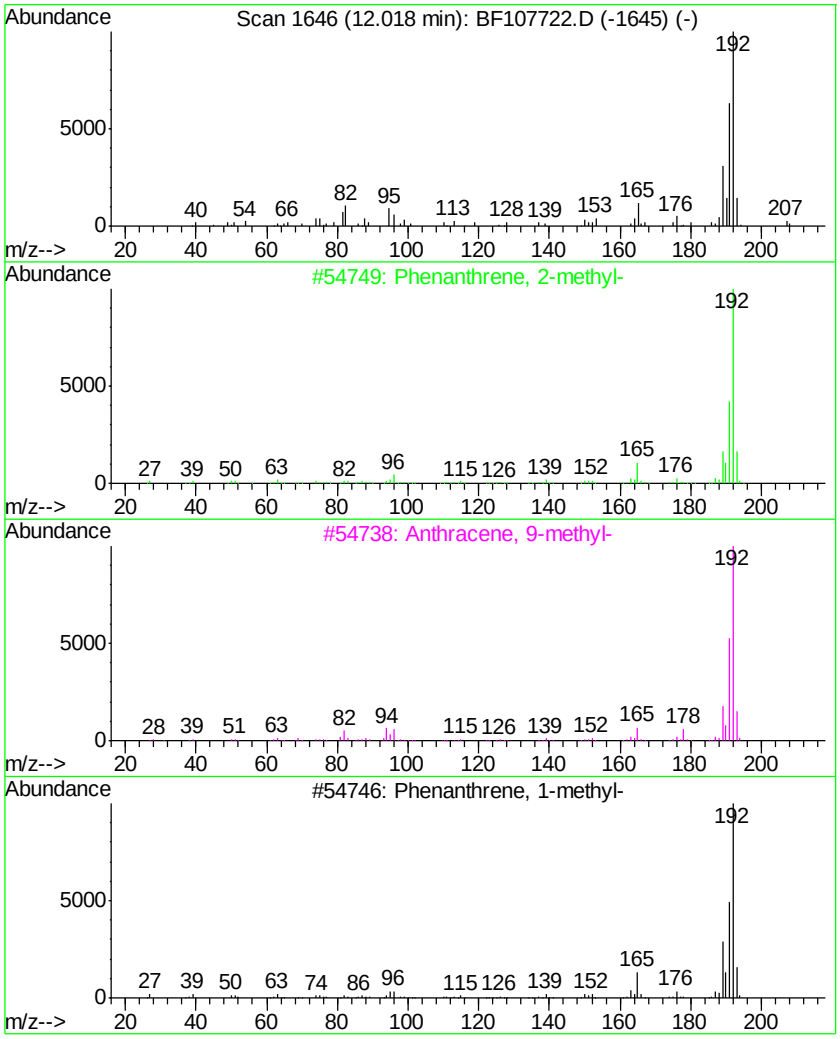
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

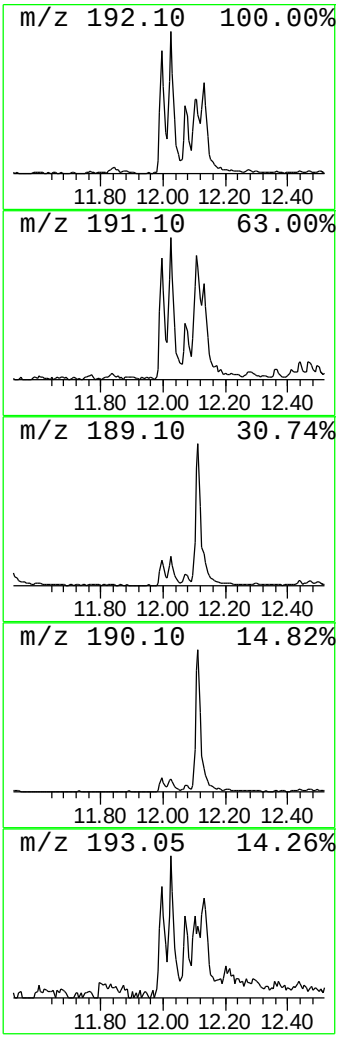
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.58 ng	192777	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

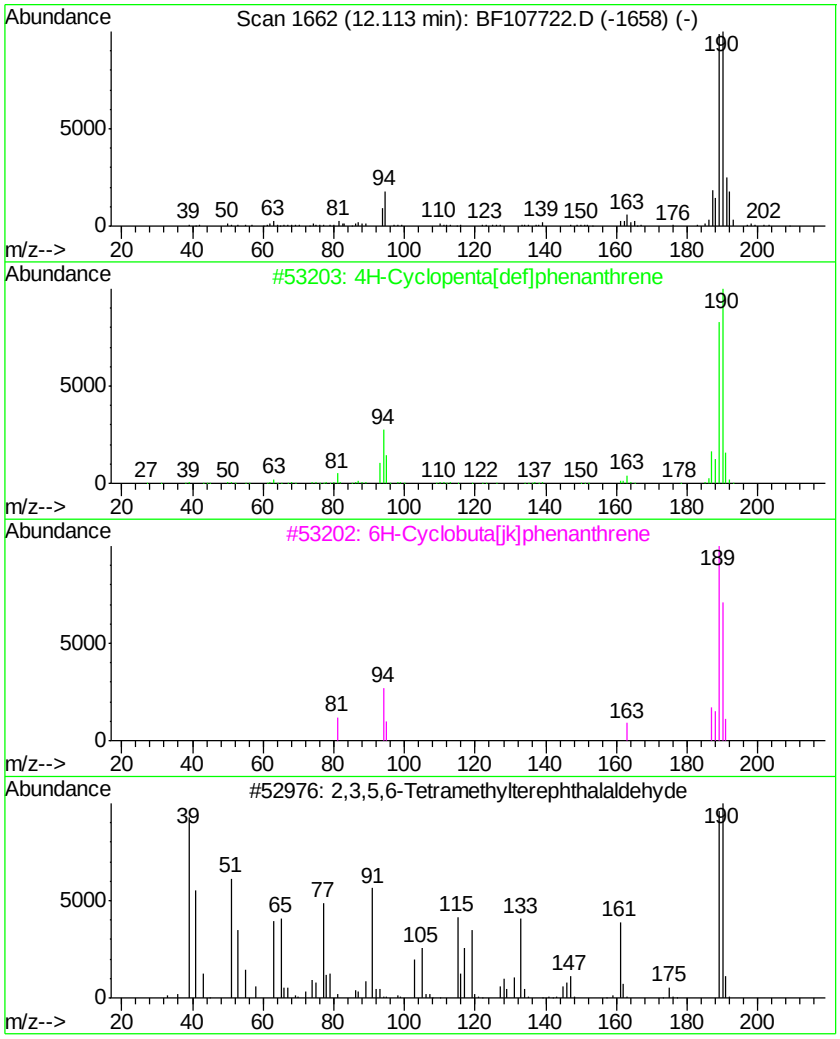
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

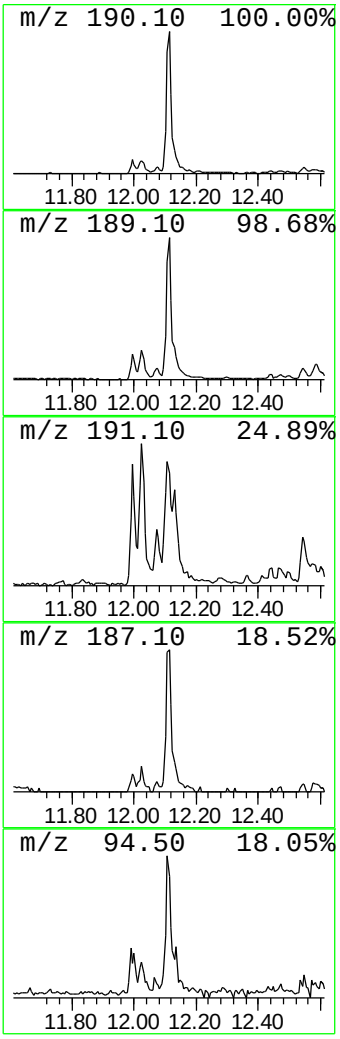
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	5.51 ng	411104	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

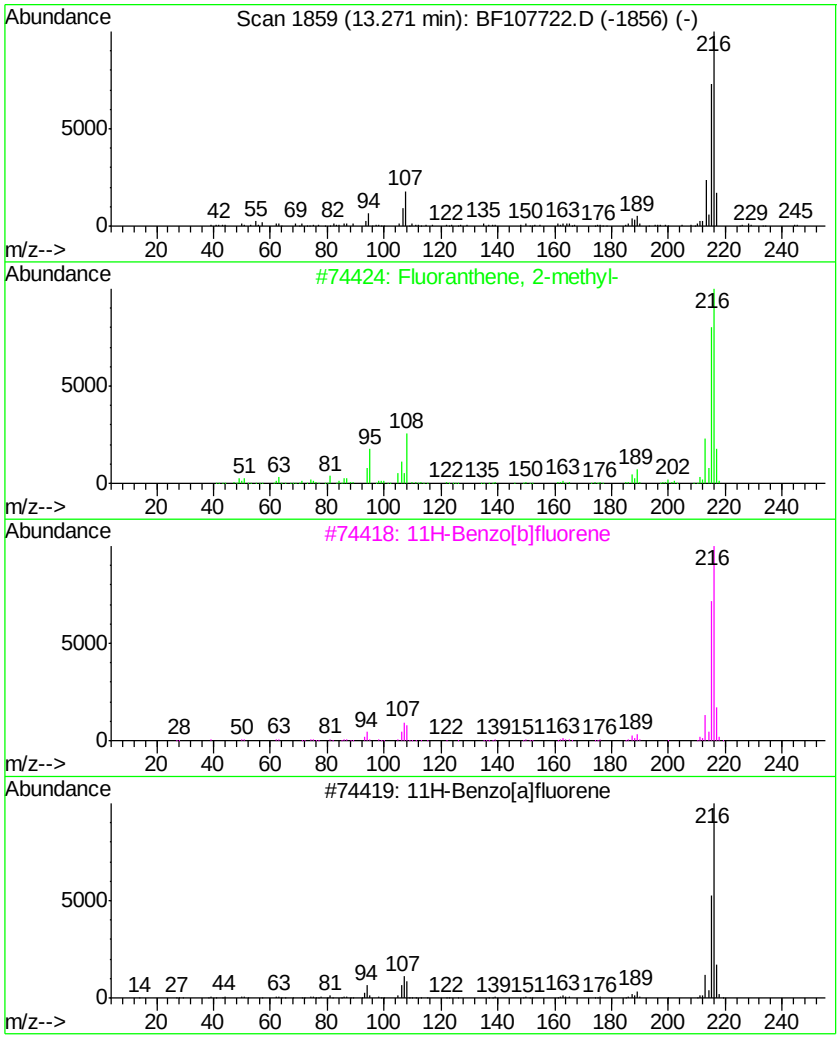
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

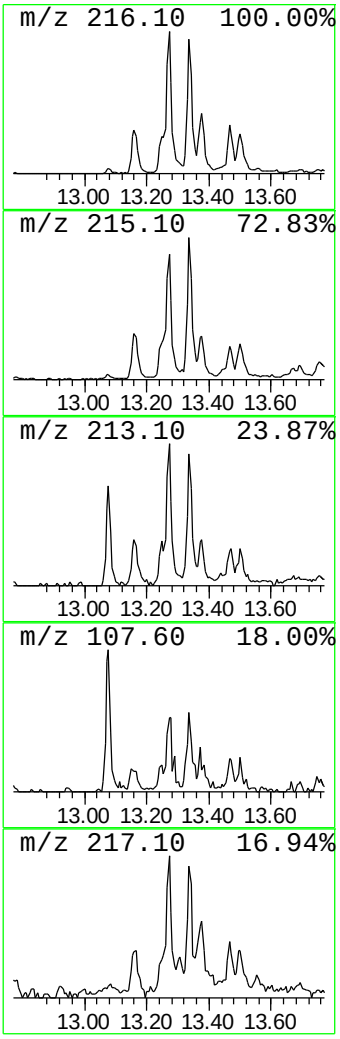
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.98 ng	279842	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
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Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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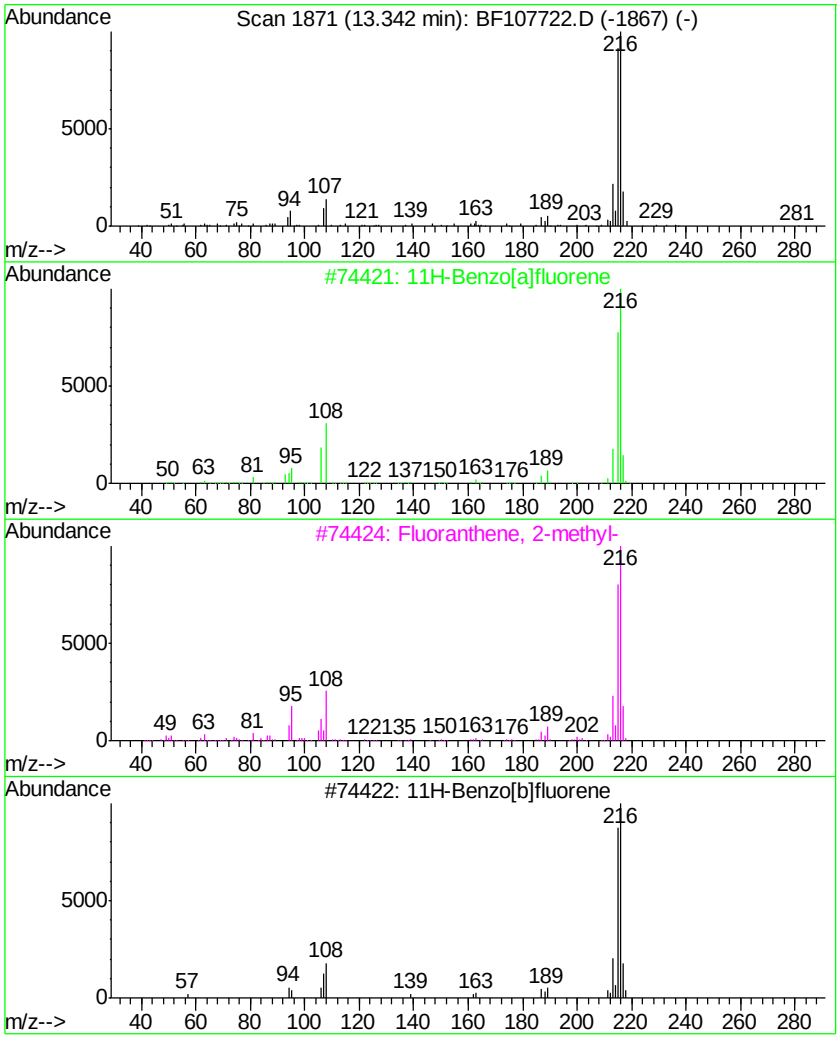
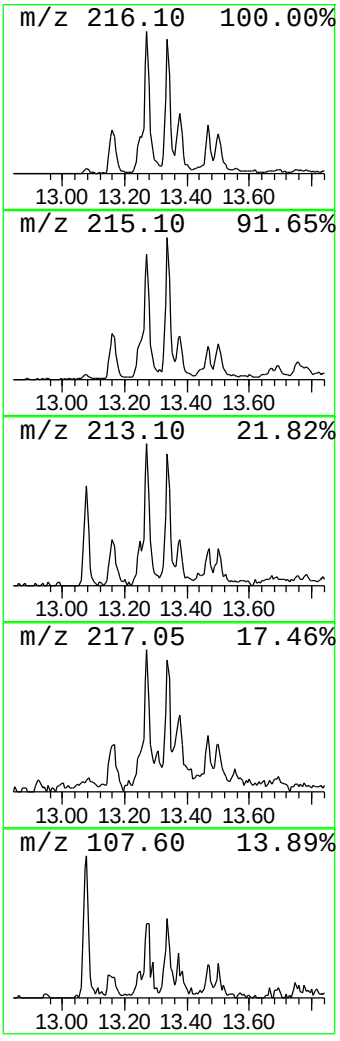
Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.23 ng	208922	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53





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Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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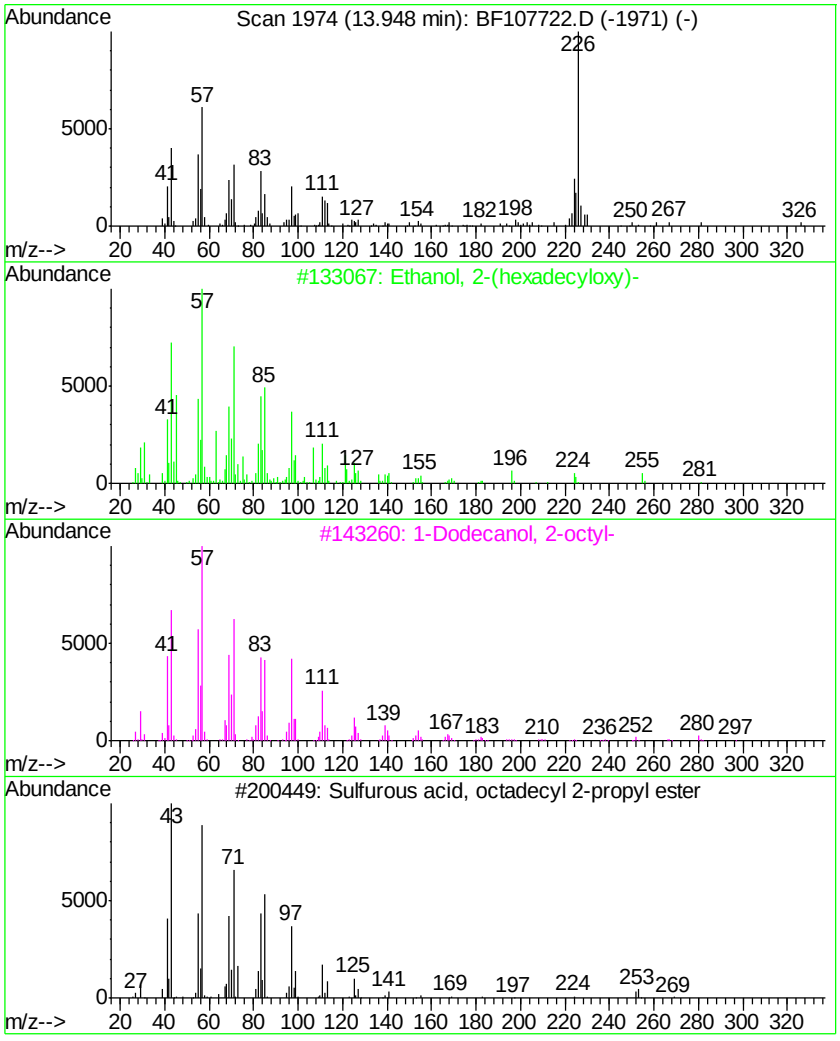
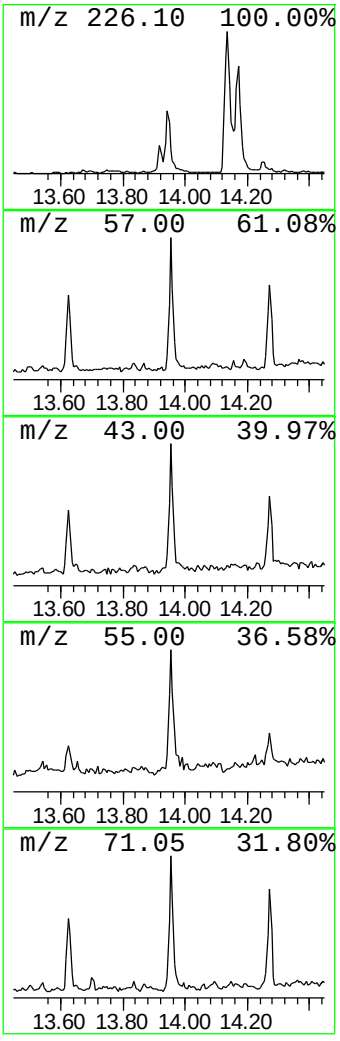
Peak Number 9 Ethanol, 2-(hexadecyloxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.45 ng	229654	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	58
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	53
3	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	53
4	Hexadecane	226	C16H34	000544-76-3	49
5	Tricosane	324	C23H48	000638-67-5	46





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Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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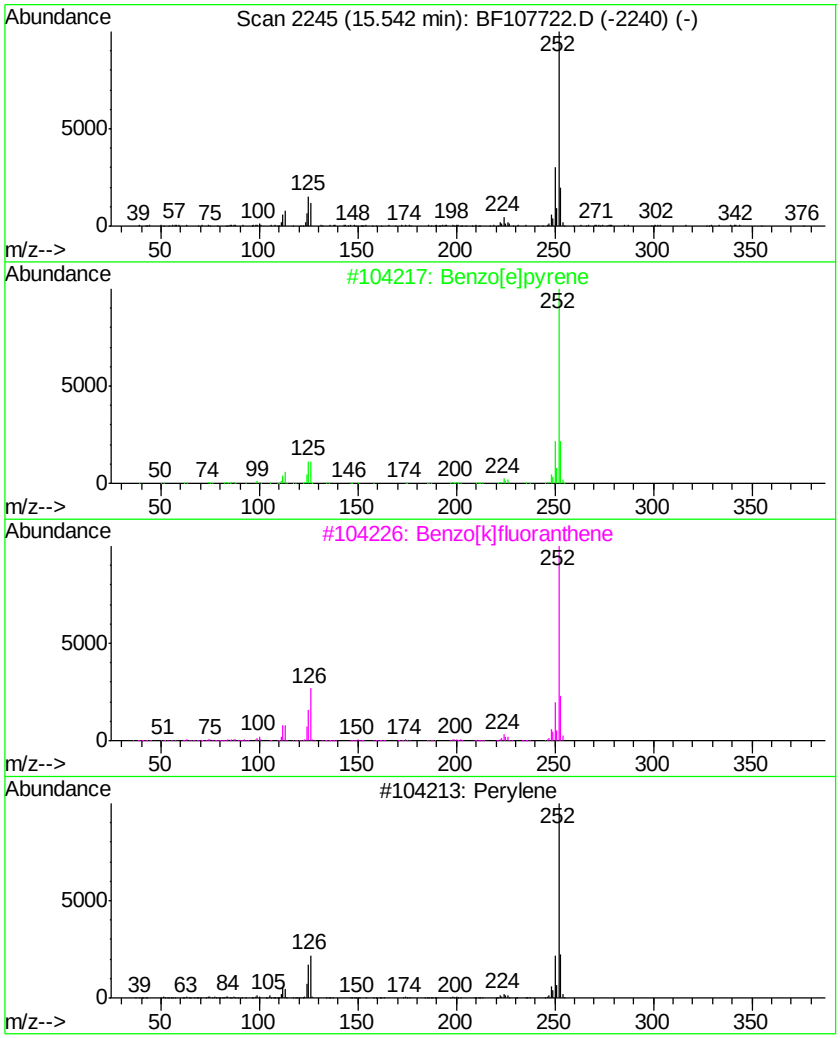
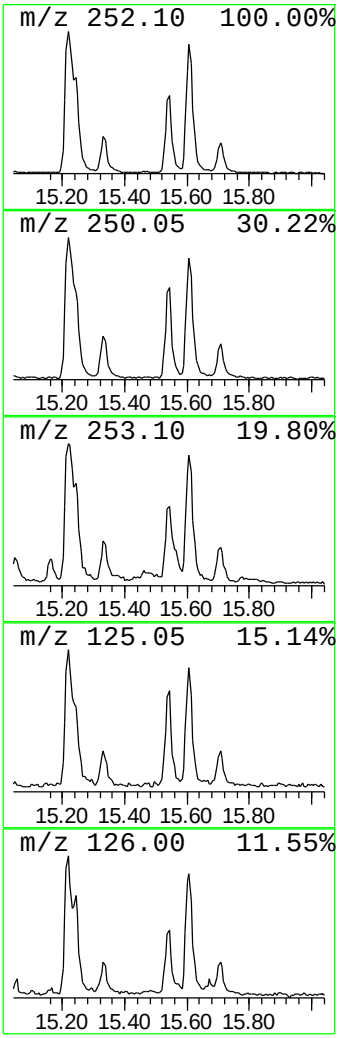
Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	4.37 ng	315558	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	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107722.D
Acq On : 27 Jul 2018 1:25
Operator : JU/SJ
Sample : J4121-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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...	5.20	7.8	ng	493715	1	6.97	1274850	20.0
unknown6.73	6.73	58.6	ng	3738760	1	6.97	1274850	20.0
1H-Cyclopropa[l]p...	12.00	3.3	ng	244850	4	11.49	1493520	20.0
Phenanthrene, 2-m...	12.02	2.6	ng	192777	4	11.49	1493520	20.0
4H-Cyclopenta[def...	12.11	5.5	ng	411104	4	11.49	1493520	20.0
Fluoranthene, 2-m...	13.27	3.0	ng	279842	5	14.14	1877940	20.0
11H-Benzo[a]fluorene	13.34	2.2	ng	208922	5	14.14	1877940	20.0
Ethanol, 2-(hexad...	13.95	2.5	ng	229654	5	14.14	1877940	20.0
Benzo[e]pyrene	15.54	4.4	ng	315558	6	15.68	1443270	20.0