LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

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:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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	3.916	307	311	317	rBB	27584	34375	3.76%	0.383%
2	5.069	503	507	517	rBB	46385	56873	6.23%	0.634%
3	5.469	571	575	578	rBV	900011	832221	91.10%	9.270%
4	6.481	742	747	754	rBV	964666	906114	99.19%	10.094%
5	6.616	766	770	773	rBV	1048484	913522	100.00%	10.176%
6	6.845	806	809	813	rBV	374118	296884	32.50%	3.307%
7	7.004	832	836	839	rBV	806983	650531	71.21%	7.246%
8	7.410	901	905	908	rBV	625508	551603	60.38%	6.145%
9	8.127	1024	1027	1030	rBV	469454	378426	41.42%	4.215%
10	8.839	1146	1148	1152	rBB	15473	12649	1.38%	0.141%
11	9.204	1206	1210	1213	rBV	1070332	815919	89.32%	9.089%
12	9.274	1219	1222	1225	rBV	23375	18919	2.07%	0.211%
13	9.592	1273	1276	1279	rBV	72192	60978	6.68%	0.679%
14	9.804	1309	1312	1317	rVB	35078	28676	3.14%	0.319%
15	9.886	1322	1326	1329	rVB	467483	386711	42.33%	4.308%
16	10.086	1358	1360	1363	rVB3	12144	11360	1.24%	0.127%
17	10.127	1364	1367	1371	rVB3	14875	14892	1.63%	0.166%
18	10.280	1390	1393	1395	rBV2	10885	10859	1.19%	0.121%
19	10.304	1395	1397	1400	rVB	37249	28444	3.11%	0.317%
20	10.521	1431	1434	1441	rBV3	10566	16691	1.83%	0.186%
21	10.674	1457	1460	1463	rBV	482029	389810	42.67%	4.342%
22	10.780	1475	1478	1483	rBV2	30784	38828	4.25%	0.433%
23	11.180	1542	1546	1549	rBV3	12095	13982	1.53%	0.156%
24	11.227	1549	1554	1556	rBV2	21023	18950	2.07%	0.211%
25	11.374	1575	1579	1581	rBV	406520	336127	36.79%	3.744%
26	11.398	1581	1583	1587	rVB	39984	31578	3.46%	0.352%
27	11.480	1594	1597	1600	rBV3	10529	14321	1.57%	0.160%
28	11.539	1603	1607	1611	rVB4	9469	17525	1.92%	0.195%
29	11.651	1624	1626	1630	rVB3	17385	13681	1.50%	0.152%
30	11.704	1630	1635	1640	rVB5	9442	15319	1.68%	0.171%
31	11.874	1661	1664	1665	rBV	21186	14534	1.59%	0.162%
32	11.904	1665	1669	1672	rVB2	35940	38312	4.19%	0.427%
33	11.980	1672	1682	1685	rBV2	27832	40170	4.40%	0.447%
34	12.010	1685	1687	1692	rVB	13815	12868	1.41%	0.143%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

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:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.063	1692	1696	1698	rBV2	17161	16577	1.81%	0.185%
36	12.168	1710	1714	1717	rBV2	17601	19473	2.13%	0.217%
37	12.198	1717	1719	1724	rVB4	7594	12392	1.36%	0.138%
38	12.351	1742	1745	1747	rBV	14415	10788	1.18%	0.120%
39	12.374	1747	1749	1751	rVB	12718	10225	1.12%	0.114%
40	12.421	1754	1757	1760	rBV	40204	36198	3.96%	0.403%
41	12.457	1760	1763	1765	rVB3	14666	16035	1.76%	0.179%
42	12.510	1770	1772	1776	rVB3	11461	13572	1.49%	0.151%
43	12.586	1782	1785	1790	rVV	57790	45364	4.97%	0.505%
44	12.627	1790	1792	1794	rVB	16322	12056	1.32%	0.134%
45	12.815	1819	1824	1830	rBV2	39607	54781	6.00%	0.610%
46	12.868	1830	1833	1837	rVB2	21092	21788	2.39%	0.243%
47	12.927	1837	1843	1844	rBV4	8329	11807	1.29%	0.132%
48	12.957	1844	1848	1851	rVV	636305	530942	58.12%	5.914%
49	13.027	1855	1860	1862	rBV2	17385	22099	2.42%	0.246%
50	13.092	1868	1871	1873	rBV3	10121	11936	1.31%	0.133%
51	13.145	1877	1880	1882	rVB	11946	13107	1.43%	0.146%
52	13.251	1895	1898	1902	rVB2	13349	13026	1.43%	0.145%
53	13.568	1947	1952	1959	rVB7	16379	37294	4.08%	0.415%
54	13.633	1959	1963	1964	rBV4	8723	10719	1.17%	0.119%
55	13.657	1964	1967	1972	rVB2	20467	26199	2.87%	0.292%
56	13.762	1981	1985	1988	rBV2	12051	14187	1.55%	0.158%
57	13.809	1988	1993	1996	rVV4	13319	18815	2.06%	0.210%
58	13.845	1996	1999	2006	rVB5	40280	53687	5.88%	0.598%
59	13.945	2012	2016	2019	rBV5	18926	26393	2.89%	0.294%
60	13.980	2019	2022	2024	rVV3	14703	14634	1.60%	0.163%
61	14.015	2024	2028	2031	rVV	385831	371753	40.69%	4.141%
62	14.039	2031	2032	2034	rVB	30179	20337	2.23%	0.227%
63	14.104	2040	2043	2045	rVB2	13767	14611	1.60%	0.163%
64	14.398	2089	2093	2097	rBV2	22779	39774	4.35%	0.443%
65	14.433	2097	2099	2103	rVV2	17434	18549	2.03%	0.207%
66	14.468	2103	2105	2112	rVB8	14647	26939	2.95%	0.300%
67	14.527	2113	2115	2118	rBV3	11707	10271	1.12%	0.114%
68	14.756	2152	2154	2157	rVB4	25096	20886	2.29%	0.233%
69	15.056	2202	2205	2208	rBV	23200	24013	2.63%	0.267%
70	15.362	2254	2257	2260	rBV	14556	17742	1.94%	0.198%
71	15.427	2264	2268	2270	rVB2	15306	18810	2.06%	0.210%

LSC Area Percent Report

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Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.492	2274	2279	2284	rBV	219779	296749	32.48%	3.306%

Sum of corrected areas: 8977180

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
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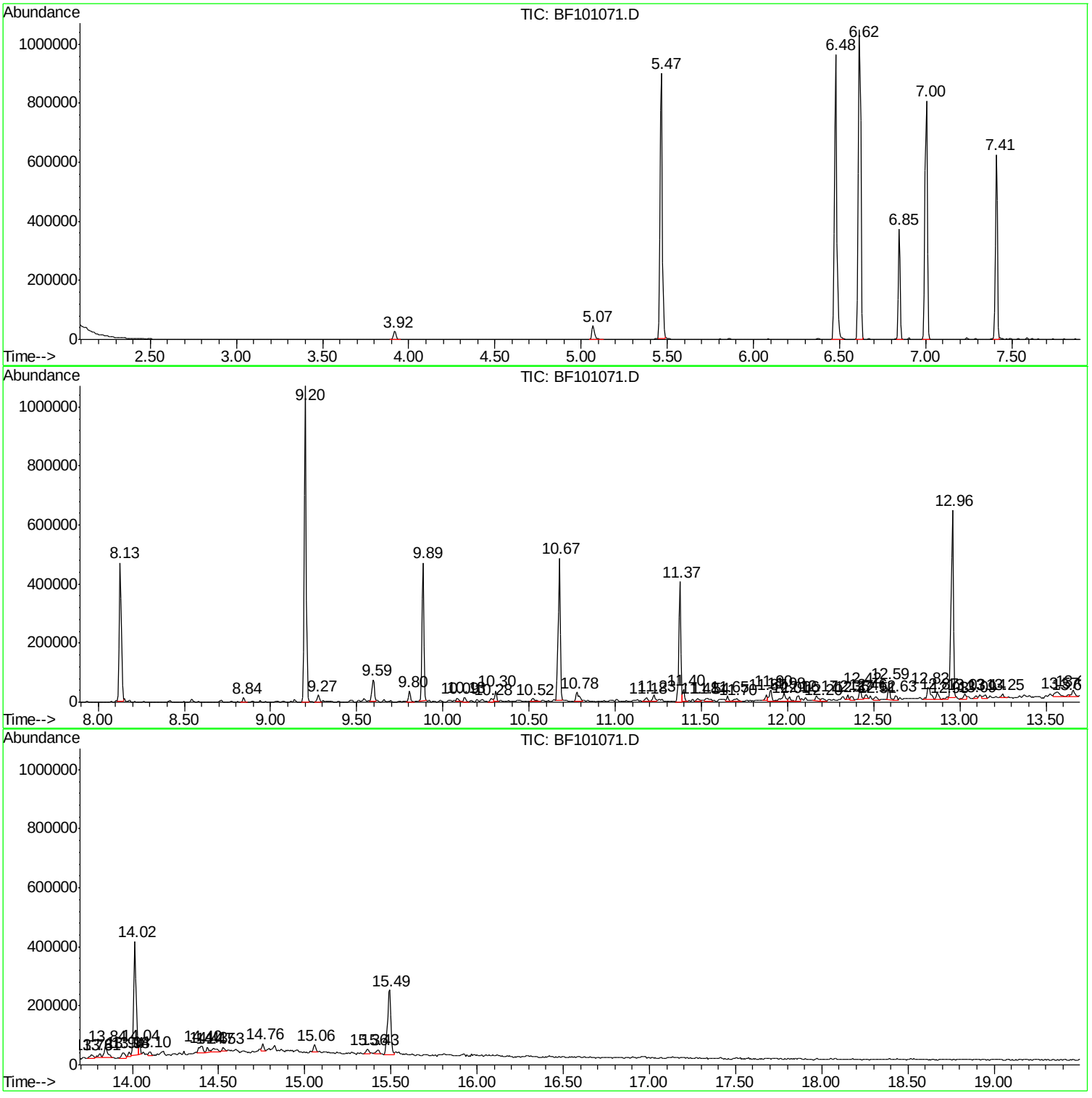
Instrument :
BNA_F
ClientSampleId :
DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
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Misc :
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Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

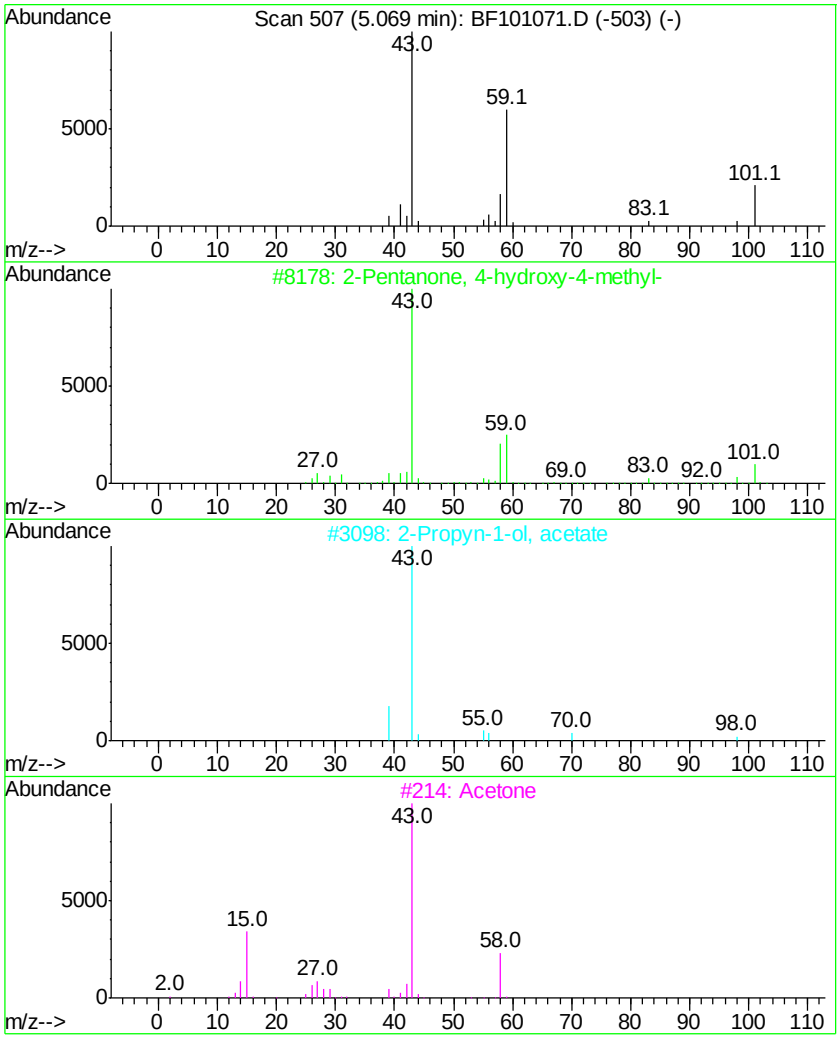
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

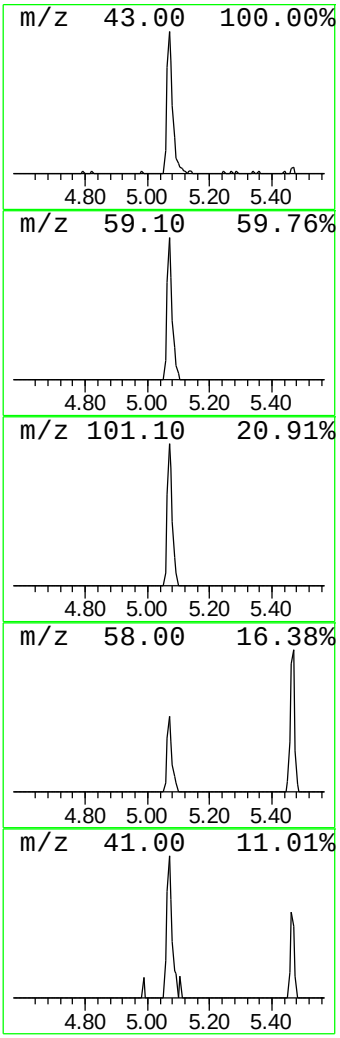
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	3.83 ng	56873	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9
3	Acetone	58	C3H6O	000067-64-1	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	3-Pentanol	88	C5H12O	000584-02-1	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

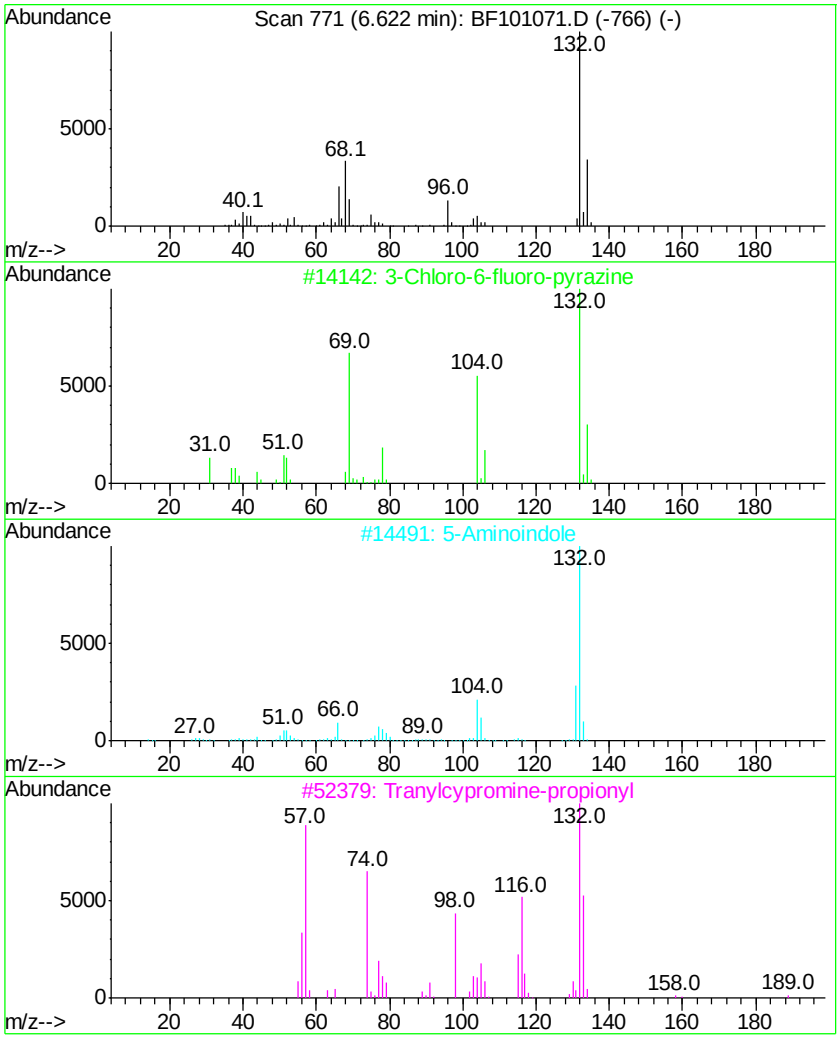
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

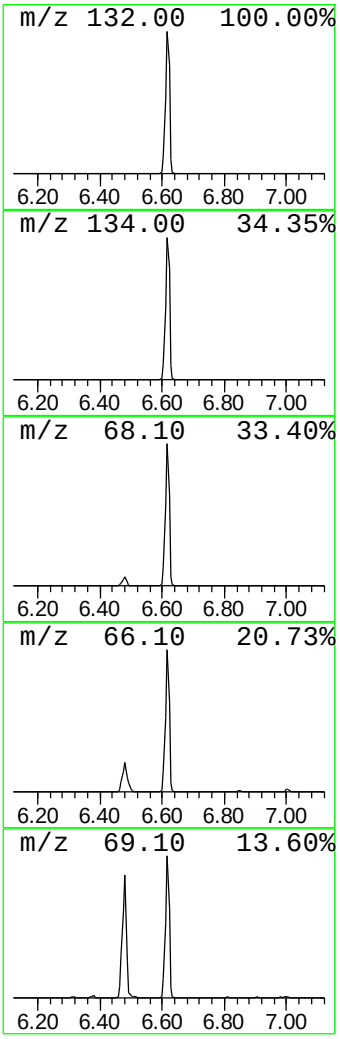
****

Peak Number 3 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	61.54 ng	913522	1,4-Dichlorobenzene-d4	6.85

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	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

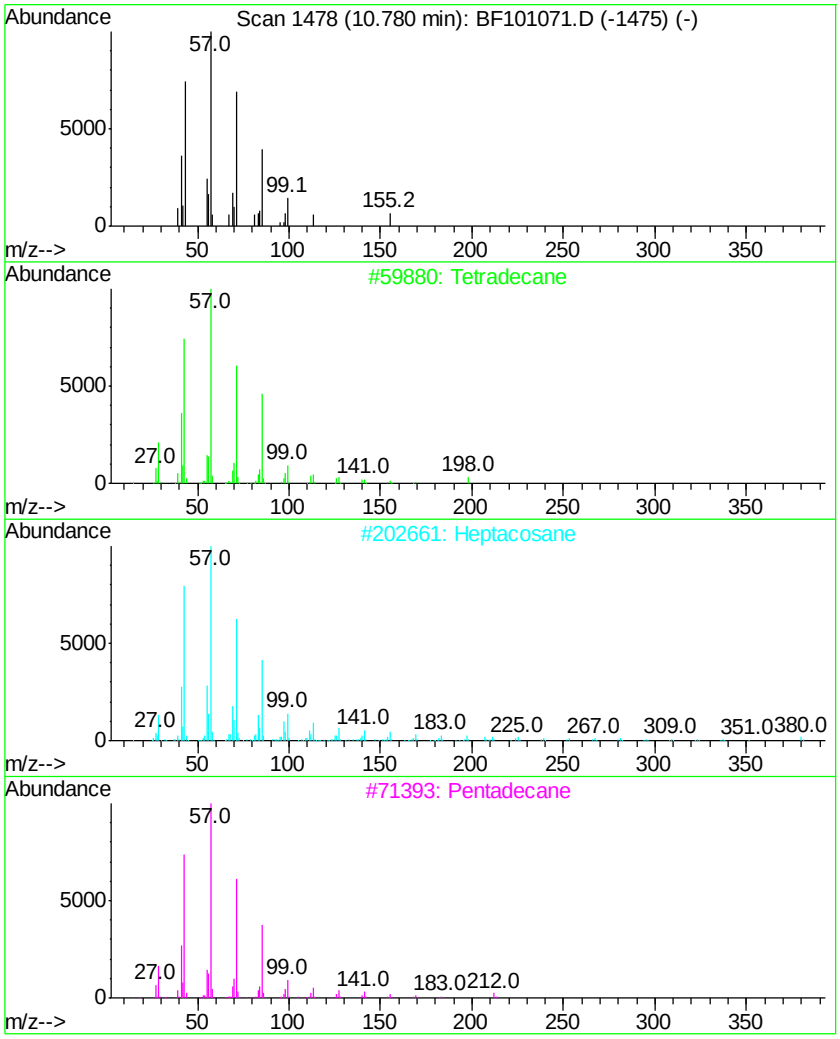
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

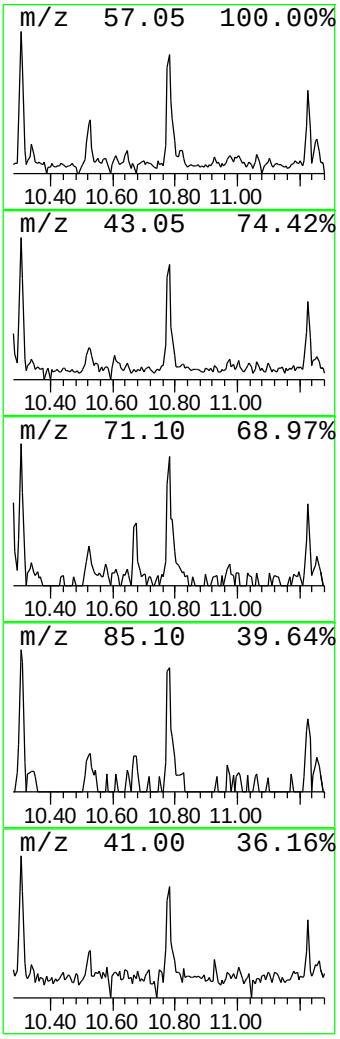
****

Peak Number 5 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	2.31 ng	38828	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Heptacosane	380	C27H56	000593-49-7	83
3	Pentadecane	212	C15H32	000629-62-9	78
4	Undecane, 5-ethyl-	184	C13H28	017453-94-0	78
5	Hexadecane	226	C16H34	000544-76-3	72





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

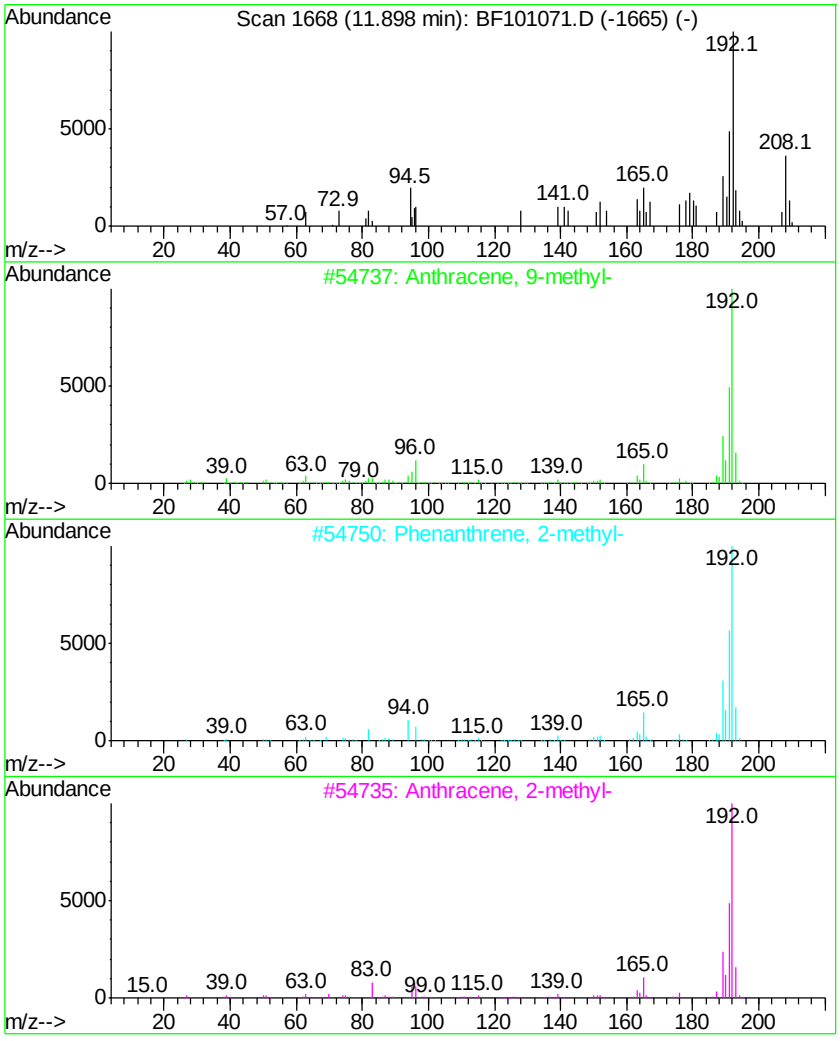
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

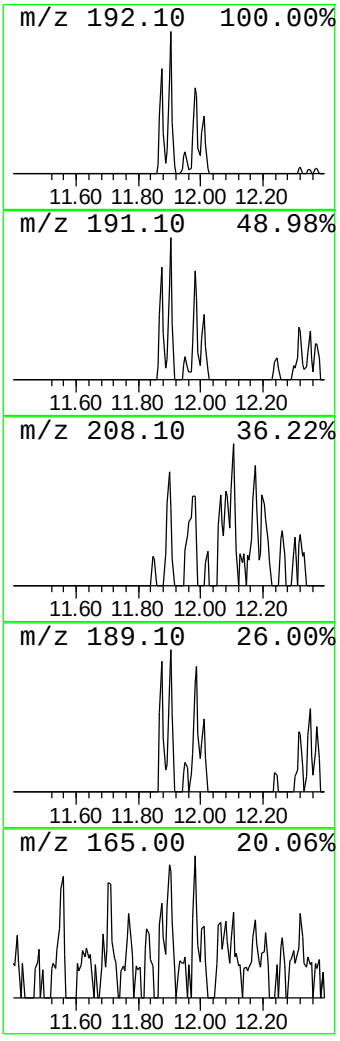
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.28 ng	38312	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	76





Library Search Compound Report

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Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

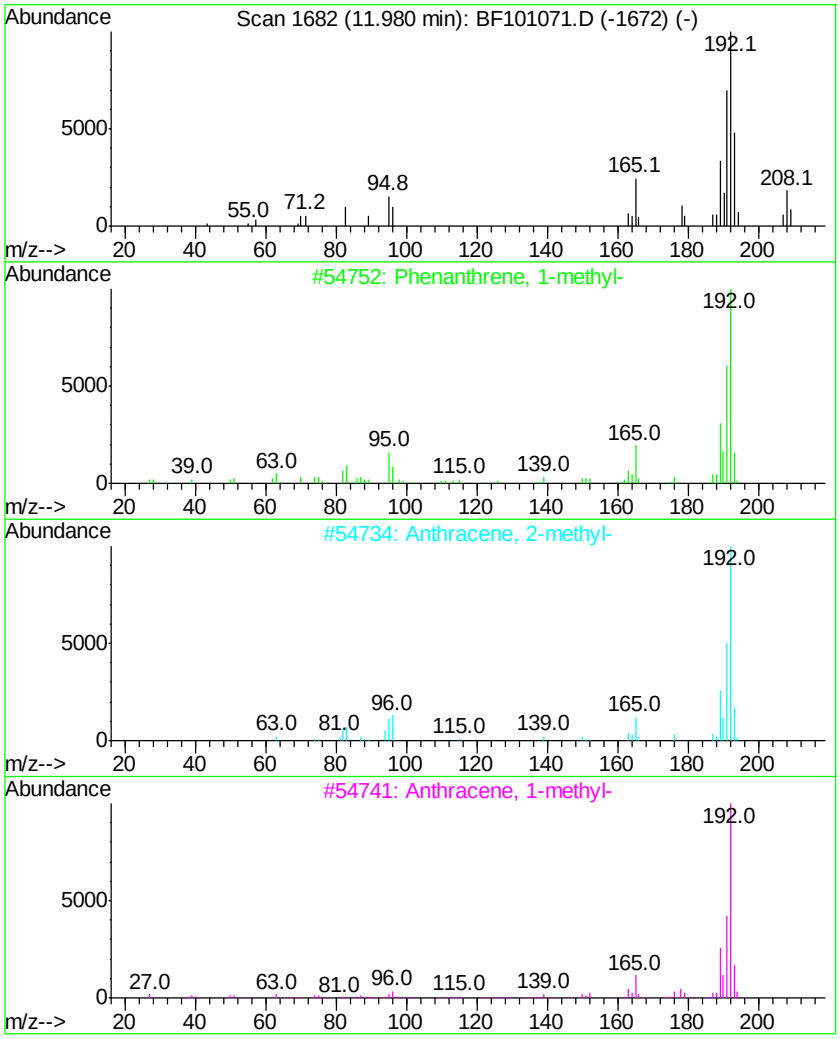
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

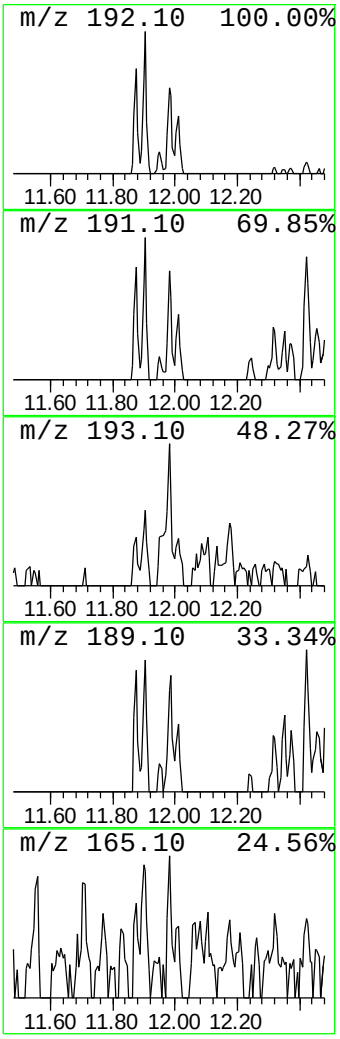
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.39 ng	40170	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	62
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	62
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	58





Library Search Compound Report

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Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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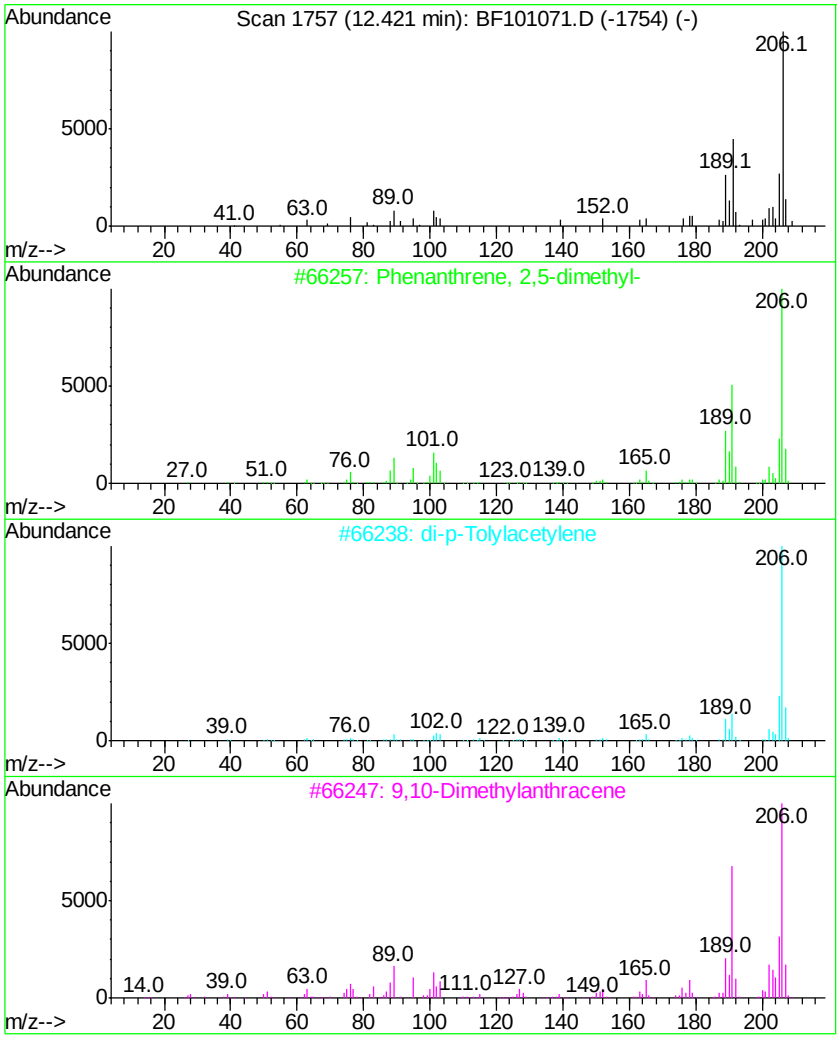
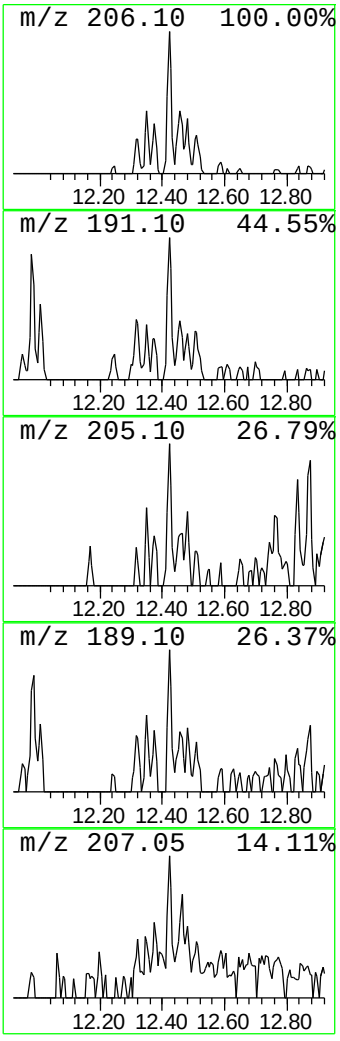
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.15 ng	36198	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	81





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101071.D
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Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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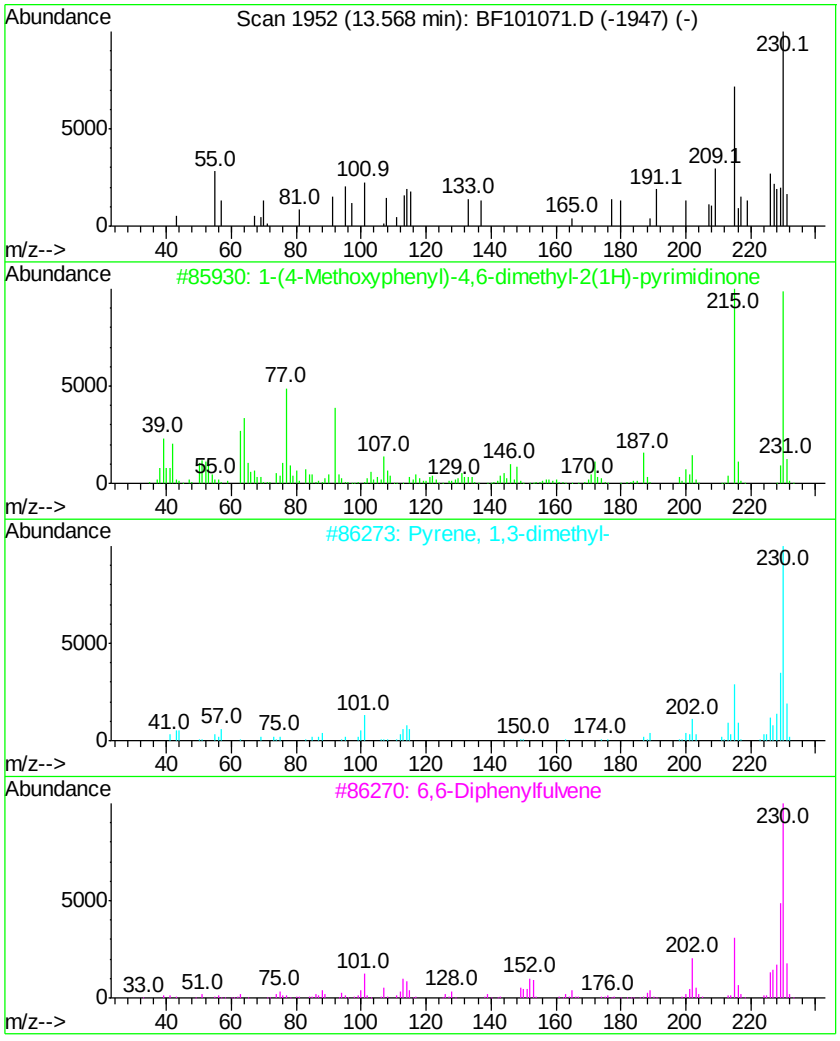
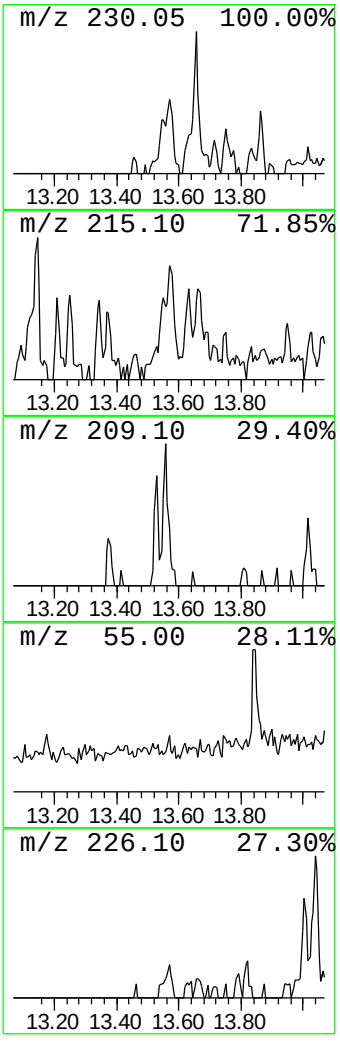
Peak Number 11 unknown13.57 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	2.01 ng	37294	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methoxyphenyl)-4,6-dimethyl...	230	C13H14N2O2	074360-11-5	43
2	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	38
3	6,6-Diphenylfulvene	230	C18H14	002175-90-8	38
4	Naphthalene, 2-styryl-	230	C18H14	002039-70-5	37
5	o-Terphenyl	230	C18H14	000084-15-1	32





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Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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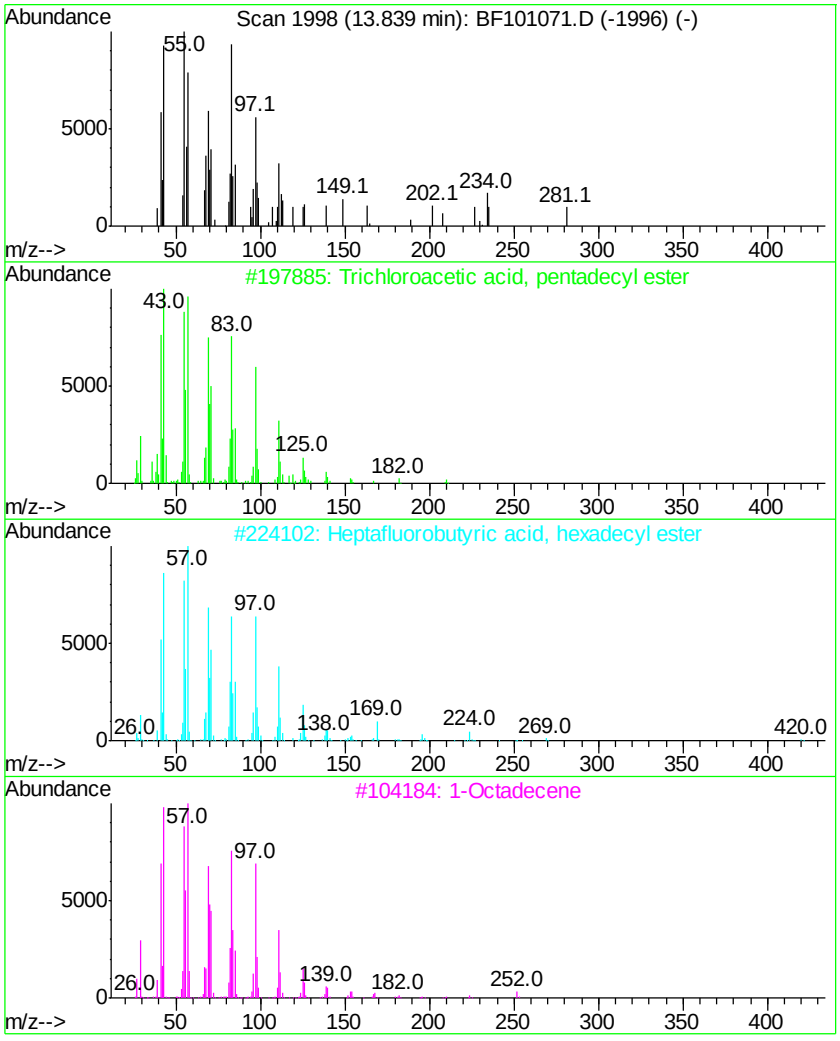
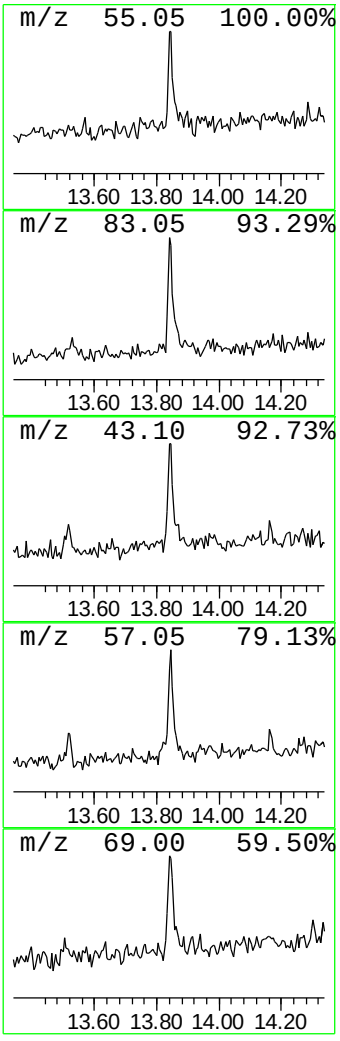
Peak Number 12 Trichloroacetic acid, penta... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	2.89 ng	53687	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	93
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	90
3	1-Octadecene	252	C18H36	000112-88-9	90
4	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	90
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	87





Library Search Compound Report

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Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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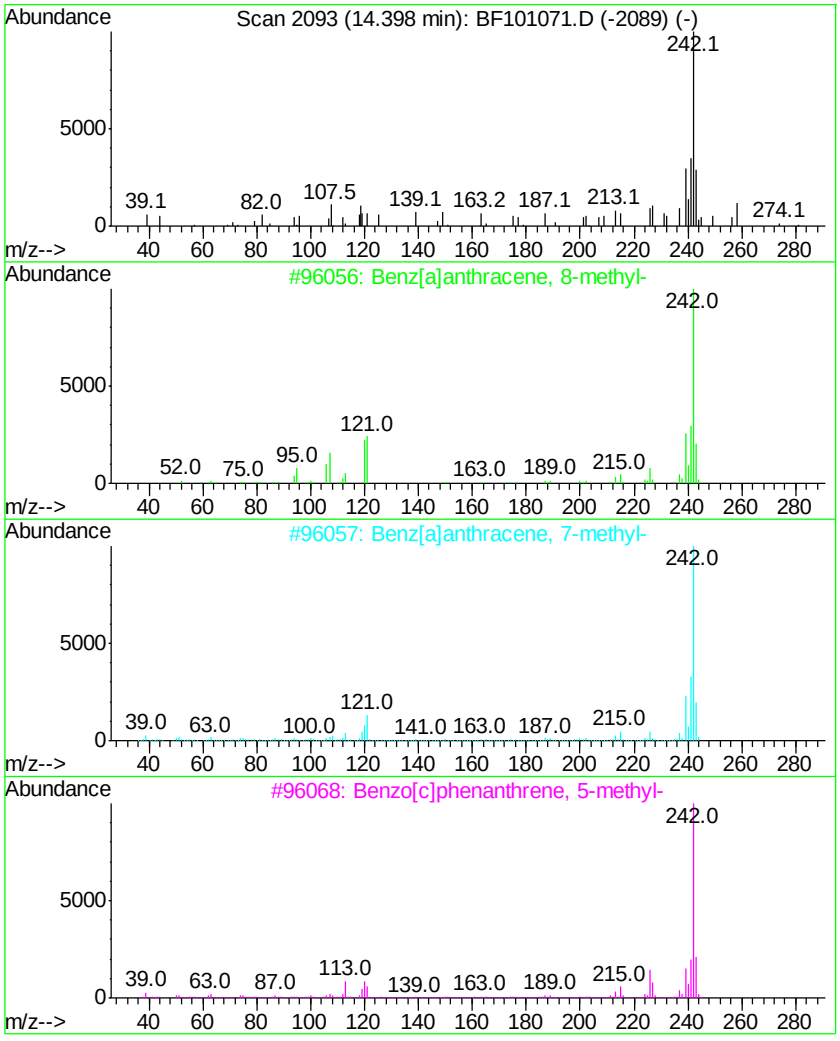
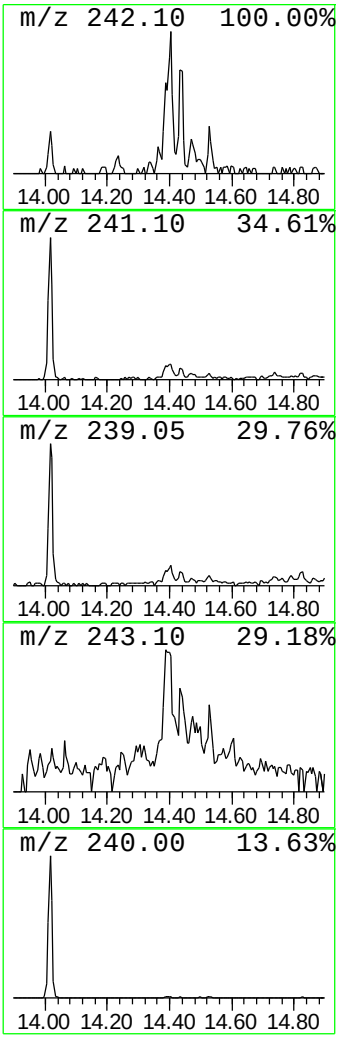
Peak Number 13 Benz[a]anthracene, 8-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.14 ng	39774	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	62
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	58
3	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	58
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	58
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	53





Tentatively Identified Compound (LSC) summary

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Data File : BF101071.D
Acq On : 1 Dec 2017 18:51
Operator : SJ/JU
Sample : I6622-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DBEW1A-2-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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...	5.07	3.8	ng	56873	1	6.85	296884	20.0
unknown6.62	6.62	61.5	ng	913522	1	6.85	296884	20.0
Tetradecane	10.78	2.3	ng	38828	4	11.37	336127	20.0
Anthracene, 9-met...	11.90	2.3	ng	38312	4	11.37	336127	20.0
Phenanthrene, 1-m...	11.98	2.4	ng	40170	4	11.37	336127	20.0
Phenanthrene, 2,5...	12.42	2.1	ng	36198	4	11.37	336127	20.0
unknown13.57	13.57	2.0	ng	37294	5	14.02	371753	20.0
Trichloroacetic a...	13.84	2.9	ng	53687	5	14.02	371753	20.0
Benz[a]anthracene...	14.40	2.1	ng	39774	5	14.02	371753	20.0