LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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	481	484	498	rBB	111078	139506	10.84%	0.927%
2	5.596	550	554	568	rBV	1093018	1086986	84.43%	7.225%
3	6.595	720	724	742	rBV	1052806	1108447	86.10%	7.368%
4	6.725	742	746	750	rBV	1167962	1107628	86.03%	7.363%
5	6.948	780	784	787	rBV	404924	328703	25.53%	2.185%
6	7.101	806	810	814	rBV	955680	902095	70.07%	5.996%
7	7.513	875	880	883	rBV	723363	670027	52.04%	4.454%
8	8.231	998	1002	1018	rBV	443455	401645	31.20%	2.670%
9	9.301	1180	1184	1188	rBV	1336943	1245366	96.73%	8.278%
10	9.695	1247	1251	1259	rVB	187117	156664	12.17%	1.041%
11	9.989	1297	1301	1305	rBV2	472763	404794	31.44%	2.691%
12	10.783	1432	1436	1445	rBV	669388	699158	54.31%	4.647%
13	11.483	1551	1555	1557	rBV	461996	394699	30.66%	2.624%
14	11.507	1557	1559	1563	rVV	222342	177936	13.82%	1.183%
15	11.560	1566	1568	1573	rVV	48443	39668	3.08%	0.264%
16	11.983	1638	1640	1643	rBV	26048	25019	1.94%	0.166%
17	12.013	1643	1645	1649	rVV2	34878	31405	2.44%	0.209%
18	12.066	1651	1654	1656	rBV	14951	13684	1.06%	0.091%
19	12.101	1656	1660	1662	rVV2	50926	52102	4.05%	0.346%
20	12.119	1662	1663	1666	rVB	17852	13827	1.07%	0.092%
21	12.277	1687	1690	1693	rVB	26437	23302	1.81%	0.155%
22	12.319	1693	1697	1701	rBV	16549	18132	1.41%	0.121%
23	12.489	1723	1726	1729	rVB	19245	17008	1.32%	0.113%
24	12.536	1730	1734	1737	rBV2	26034	27241	2.12%	0.181%
25	12.630	1746	1750	1755	rVB2	20719	22442	1.74%	0.149%
26	12.707	1759	1763	1766	rBV	536066	482153	37.45%	3.205%
27	12.913	1795	1798	1799	rBV	90618	76968	5.98%	0.512%
28	12.936	1799	1802	1807	rVV	486620	421083	32.71%	2.799%
29	12.983	1807	1810	1814	rVB2	22434	21953	1.71%	0.146%
30	13.066	1820	1824	1828	rBV	1325844	1287445	100.00%	8.558%
31	13.101	1828	1830	1834	rVB	17482	15604	1.21%	0.104%
32	13.148	1834	1838	1843	rBV3	26817	50243	3.90%	0.334%
33	13.260	1854	1857	1861	rVB	69054	75036	5.83%	0.499%
34	13.330	1866	1869	1871	rBV	34215	30580	2.38%	0.203%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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	13.366	1871	1875	1878	rBV2	38511	50409	3.92%	0.335%
36	13.460	1888	1891	1894	rBV	25903	23030	1.79%	0.153%
37	13.495	1894	1897	1900	rVV	24507	22285	1.73%	0.148%
38	13.777	1942	1945	1949	rVB	48588	41616	3.23%	0.277%
39	13.883	1958	1963	1966	rBV	53223	68257	5.30%	0.454%
40	13.913	1966	1968	1970	rVV	54415	43567	3.38%	0.290%
41	13.942	1970	1973	1978	rVV4	138431	188791	14.66%	1.255%
42	13.983	1978	1980	1984	rVV	48663	51128	3.97%	0.340%
43	14.054	1988	1992	1994	rBV	15330	22062	1.71%	0.147%
44	14.083	1994	1997	1999	rVV	116676	94328	7.33%	0.627%
45	14.136	1999	2006	2009	rVV2	584233	809020	62.84%	5.378%
46	14.166	2009	2011	2018	rVV	270432	241907	18.79%	1.608%
47	14.219	2018	2020	2022	rVV3	18906	18137	1.41%	0.121%
48	14.248	2022	2025	2030	rVV2	59801	76025	5.91%	0.505%
49	14.295	2030	2033	2039	rVV4	24104	51076	3.97%	0.340%
50	14.371	2042	2046	2049	rVV2	27525	45797	3.56%	0.304%
51	14.401	2049	2051	2054	rVB4	14654	16390	1.27%	0.109%
52	14.495	2064	2067	2068	rBV2	20403	22095	1.72%	0.147%
53	14.530	2071	2073	2075	rVB	46105	35302	2.74%	0.235%
54	14.571	2077	2080	2083	rBV2	35307	50541	3.93%	0.336%
55	14.660	2093	2095	2097	rBV	24434	18765	1.46%	0.125%
56	14.889	2132	2134	2138	rVB2	31070	35195	2.73%	0.234%
57	14.971	2146	2148	2150	rVB	22754	16803	1.31%	0.112%
58	15.048	2158	2161	2166	rVB2	35203	39657	3.08%	0.264%
59	15.224	2186	2191	2194	rBV	187367	321755	24.99%	2.139%
60	15.336	2206	2210	2213	rBV	42260	52893	4.11%	0.352%
61	15.542	2241	2245	2251	rVB	101355	139448	10.83%	0.927%
62	15.613	2253	2257	2260	rVV	151135	187178	14.54%	1.244%
63	15.677	2263	2268	2272	rVV	252384	346958	26.95%	2.306%
64	15.707	2272	2273	2279	rVB2	45398	57091	4.43%	0.379%
65	16.095	2336	2339	2344	rVB	31560	43955	3.41%	0.292%
66	17.254	2531	2536	2545	rVB2	71256	154479	12.00%	1.027%
67	17.742	2614	2619	2630	rVB	44885	89511	6.95%	0.595%

Sum of corrected areas: 15044000

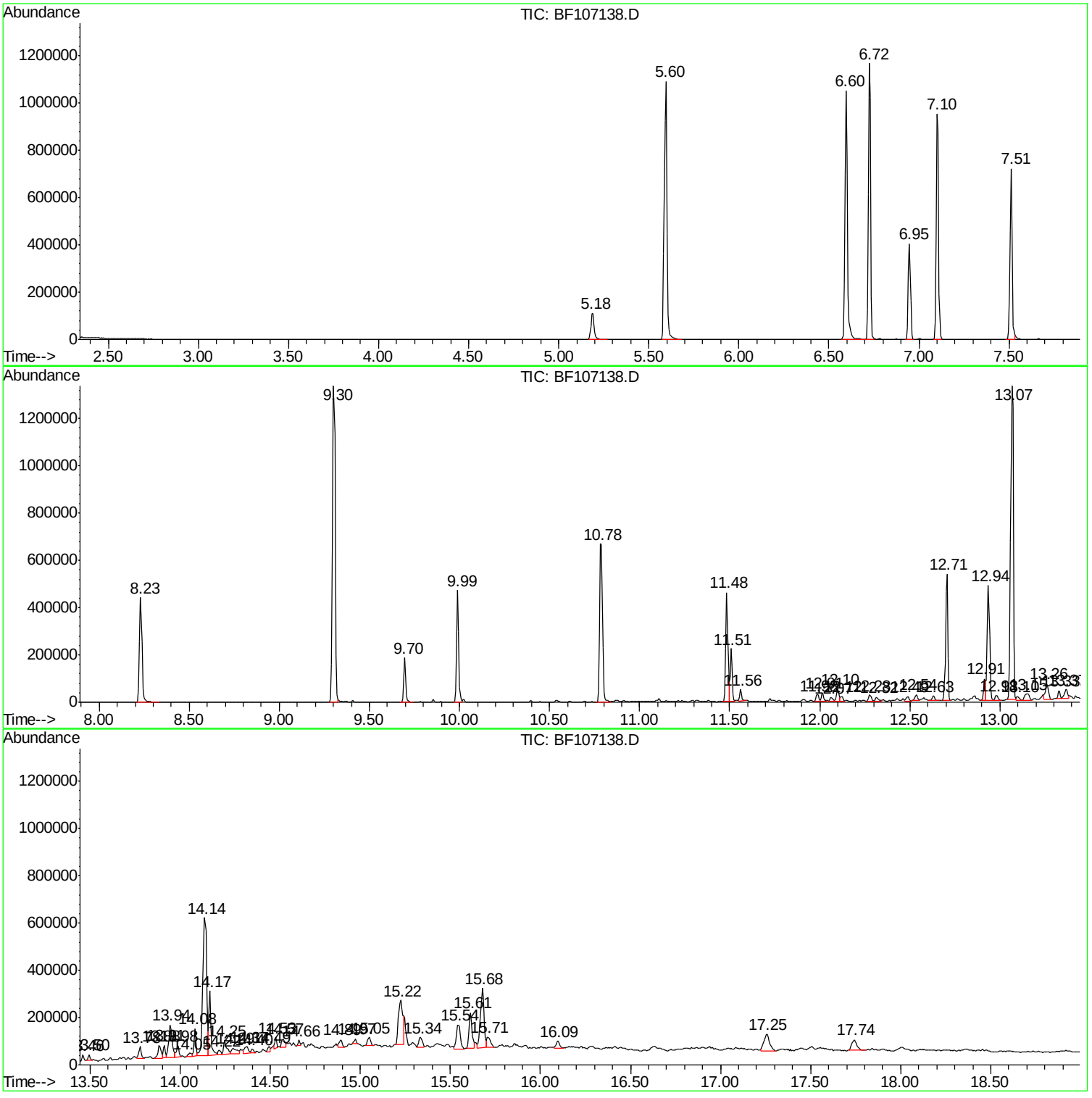
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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

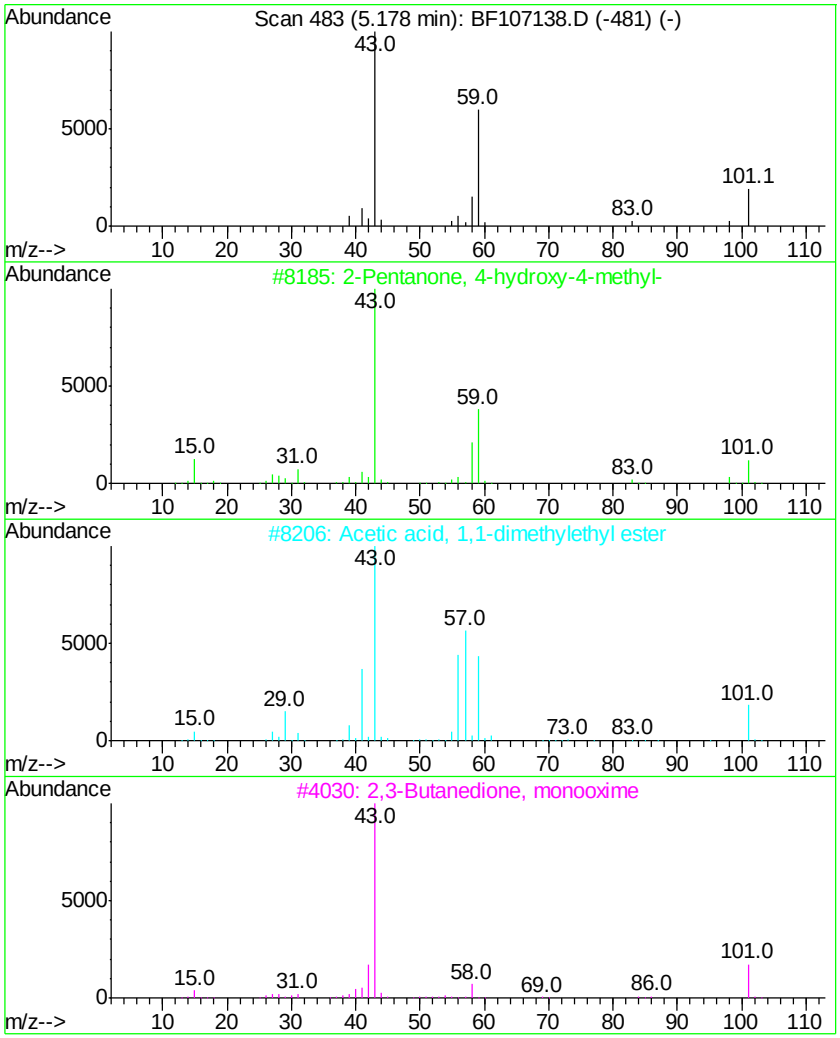
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

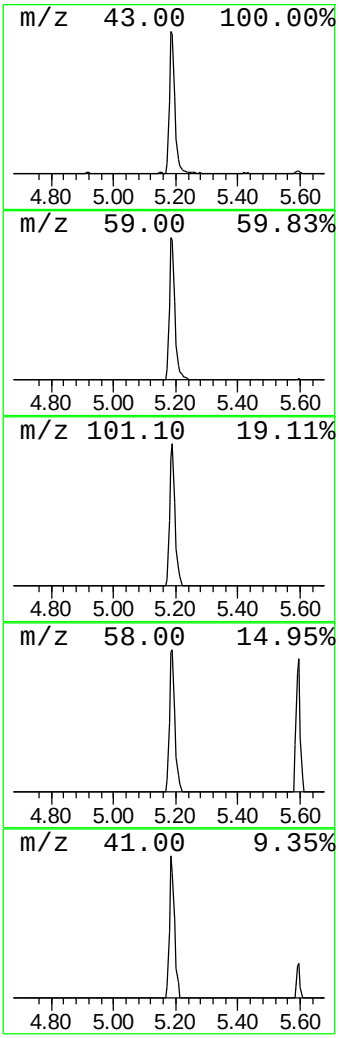
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	8.49 ng	139506	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	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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

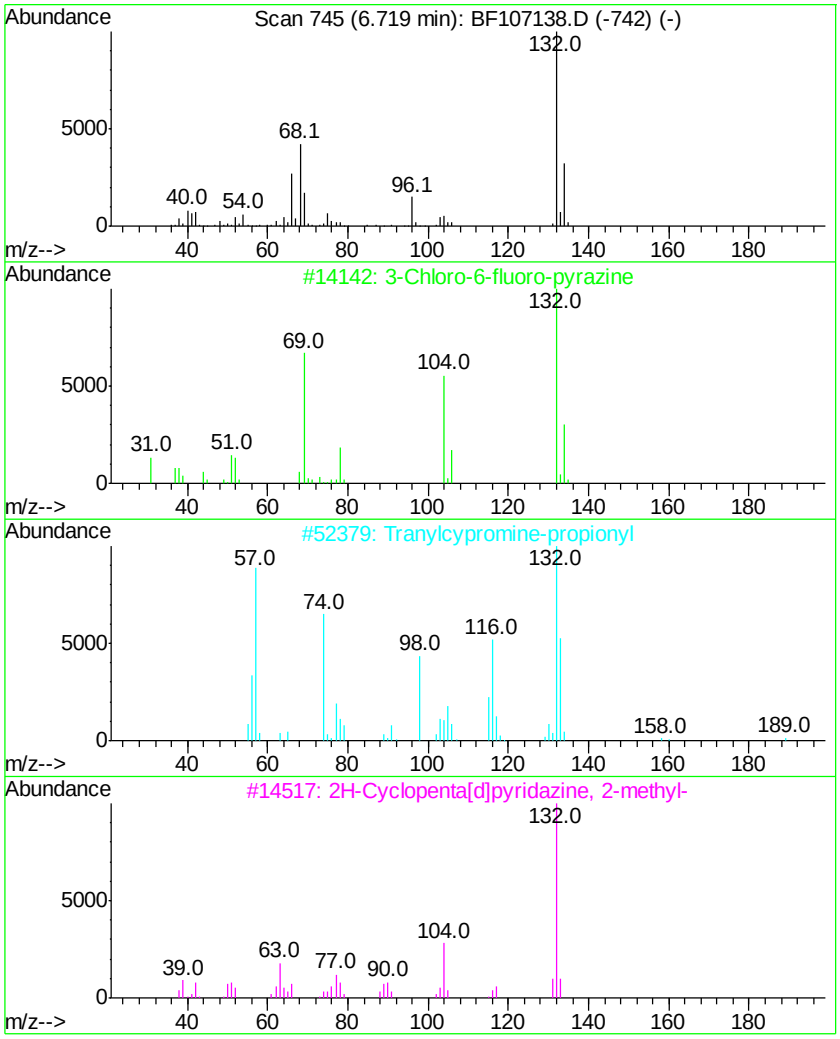
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

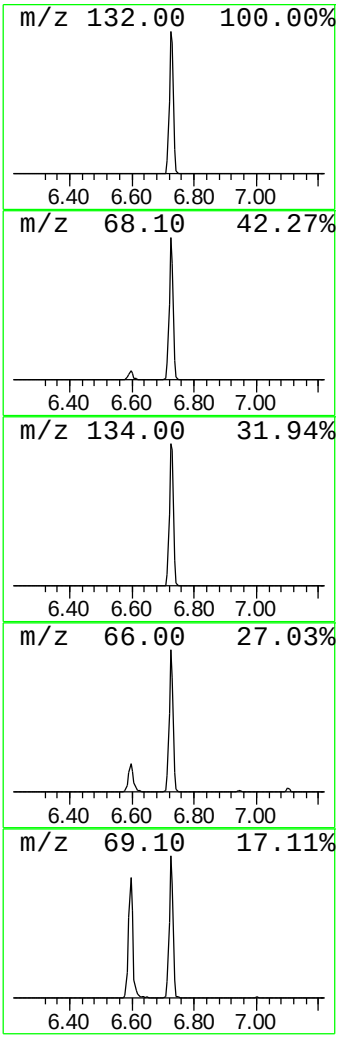
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	67.39 ng	1107630	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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

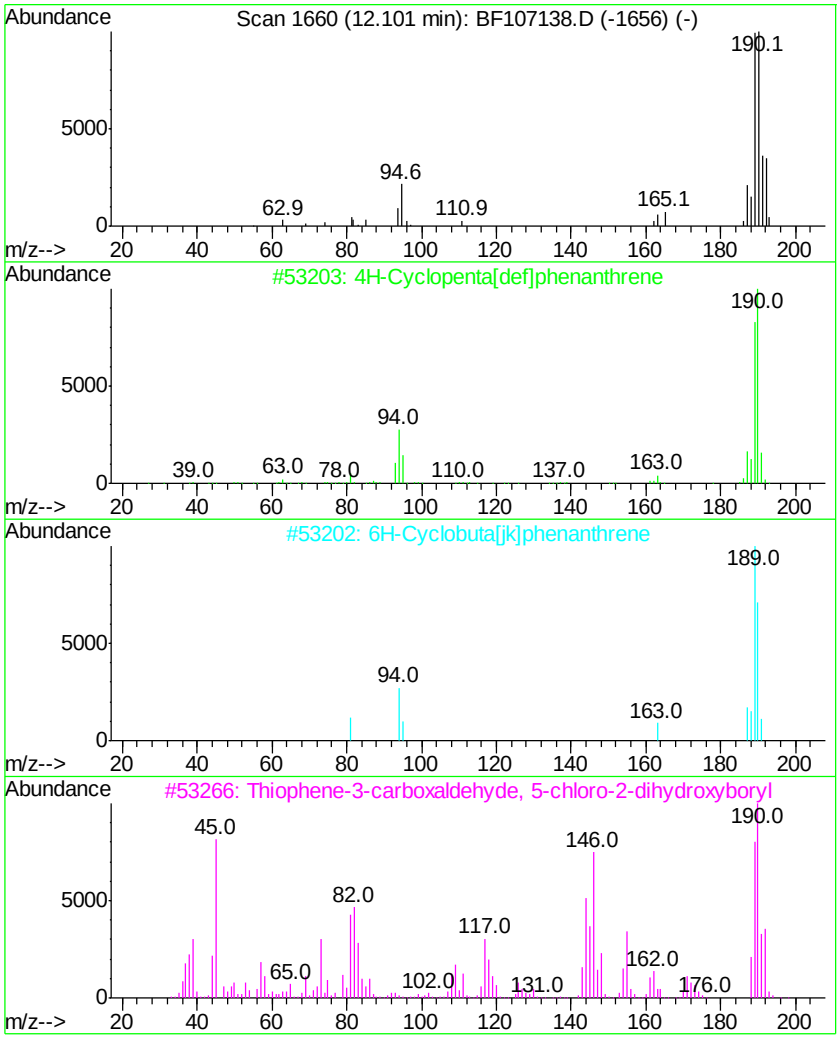
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

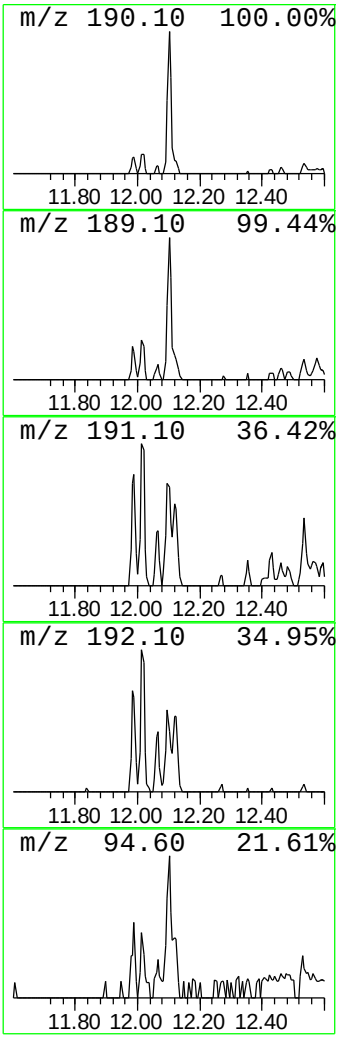
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.64 ng	52102	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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

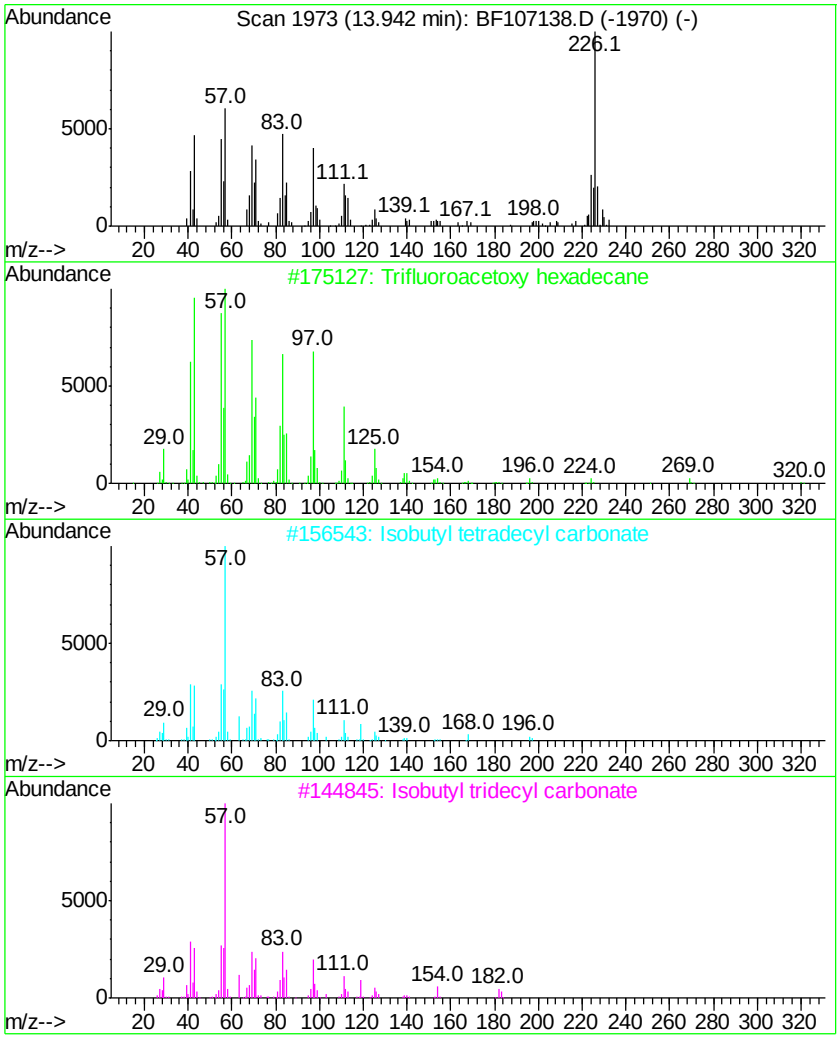
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

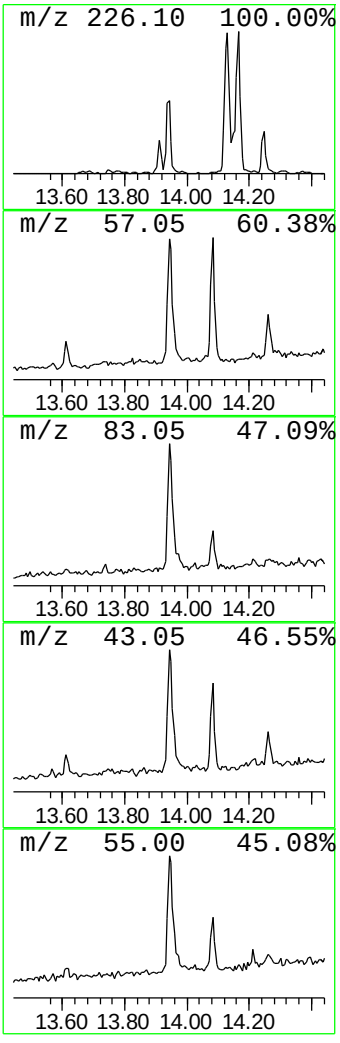
****

Peak Number 5 unknown13.94 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	4.67 ng	188791	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	42
2	Isobutyl tetradecyl carbonate	314	C19H38O3	959275-58-2	41
3	Isobutyl tridecyl carbonate	300	C18H36O3	959275-44-6	38
4	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	38
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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

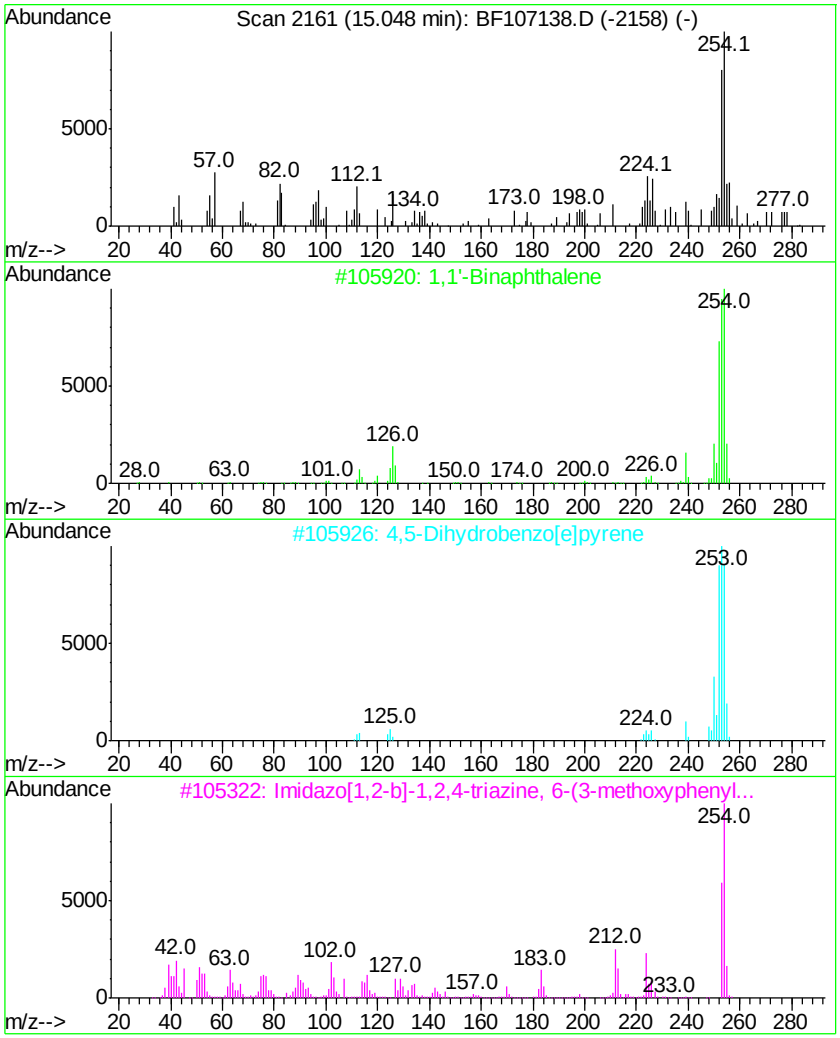
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

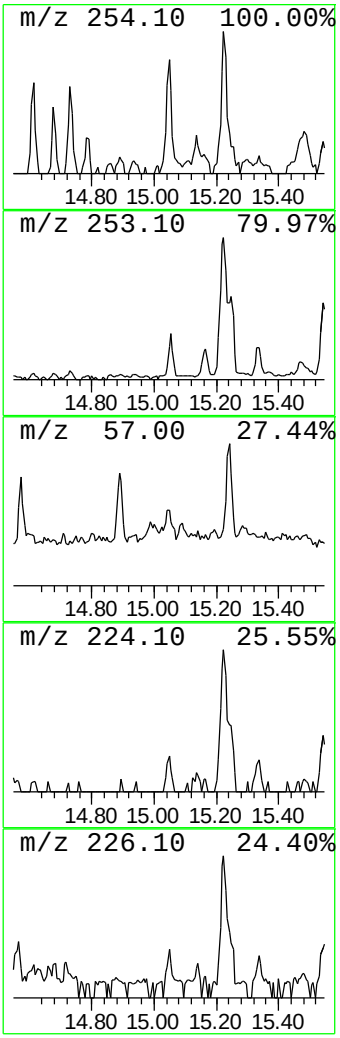
****

Peak Number 6 1,1'-Binaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	2.29 ng	39657	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	62
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	53
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	53
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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

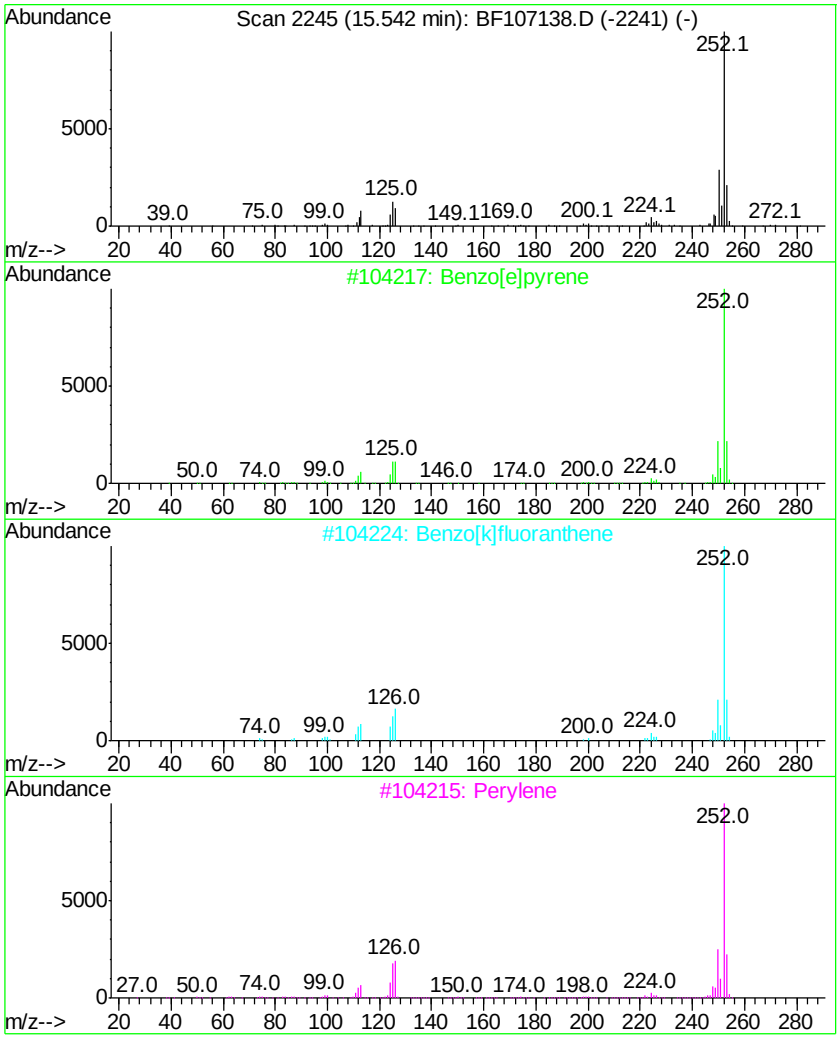
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

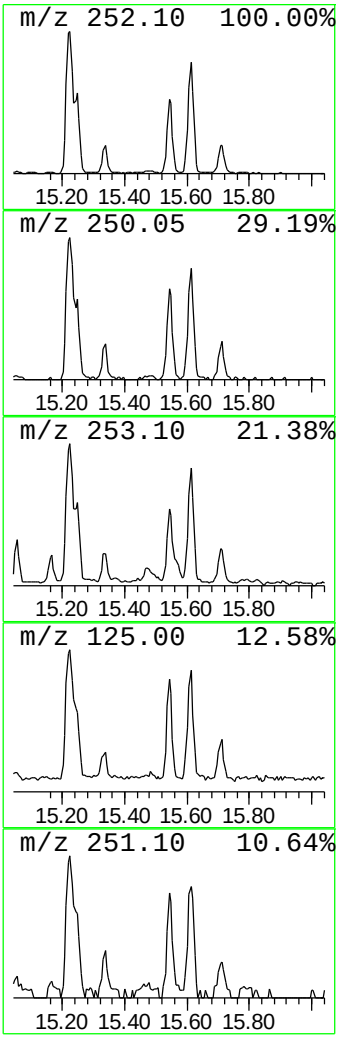
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	8.04 ng	139448	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	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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

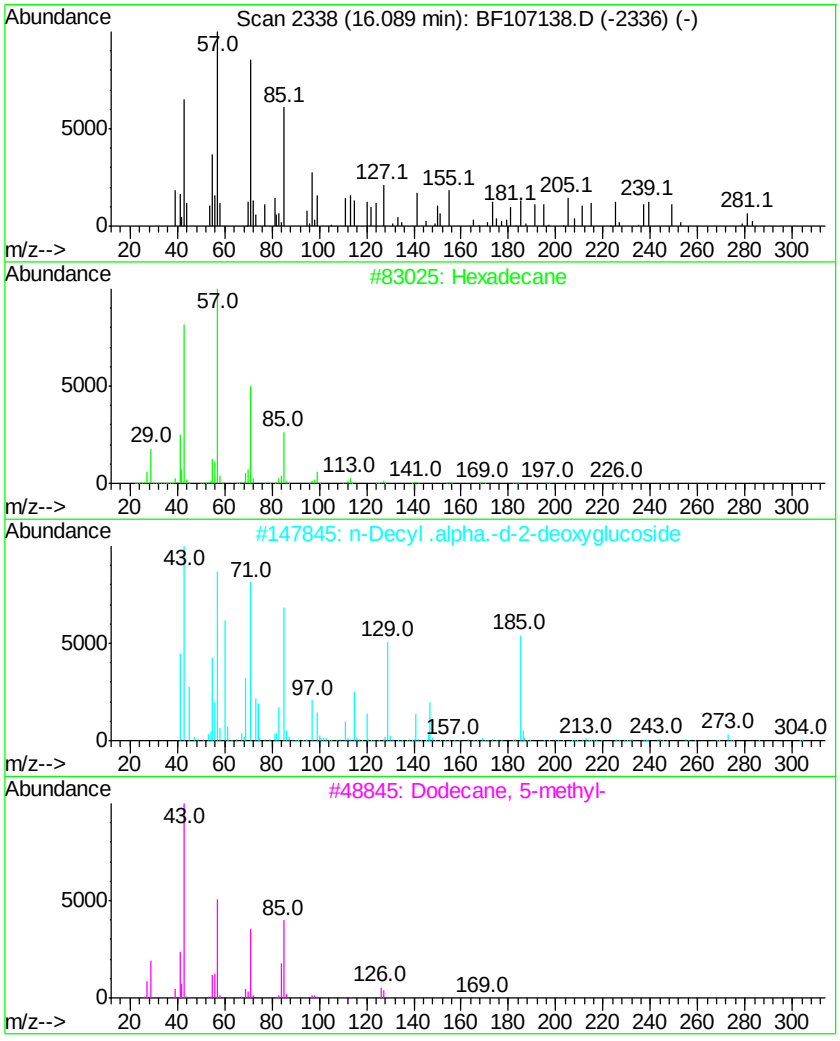
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

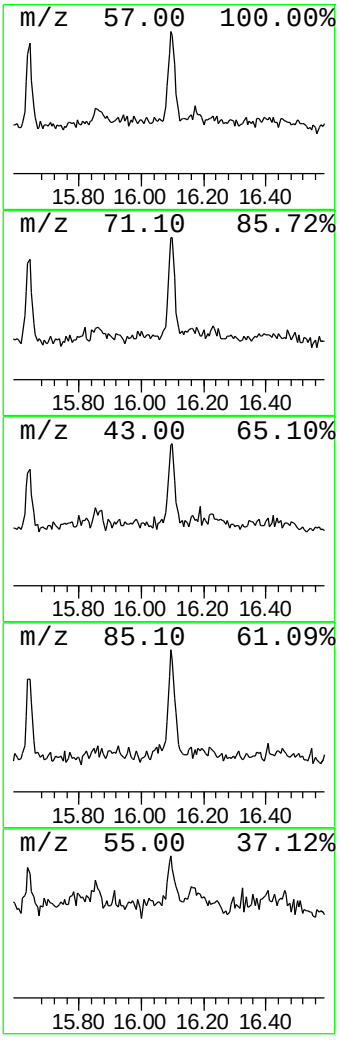
****

Peak Number 9 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	2.53 ng	43955	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	n-Decyl .alpha.-d-2-deoxyglucoside	304	C16H32O5	1000211-42-8	50
3	Dodecane, 5-methyl-	184	C13H28	017453-93-9	50
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	47
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070518\
Data File : BF107138.D
Acq On : 5 Jul 2018 20:26
Operator : JU/SJ
Sample : J3814-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8782-AA

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	8.5	ng	139506	1	6.95	328703	20.0
unknown6.72	6.72	67.4	ng	1107630	1	6.95	328703	20.0
4H-Cyclopenta[def...	12.10	2.6	ng	52102	4	11.48	394699	20.0
unknown13.94	13.94	4.7	ng	188791	5	14.14	809020	20.0
1,1'-Binaphthalene	15.05	2.3	ng	39657	6	15.68	346958	20.0
Benzo[e]pyrene	15.54	8.0	ng	139448	6	15.68	346958	20.0
Hexadecane	16.09	2.5	ng	43955	6	15.68	346958	20.0