LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086108.D
Acq On : 6 Apr 2016 20:03
Operator : UM/SJ
Sample : H2254-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

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-BF040216.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	4.898	245	246	255	rBV	123672	210489	10.96%	0.855%
2	5.333	282	284	287	rBV	1602307	1885577	98.16%	7.660%
3	6.236	356	363	364	rBV4	7996	22733	1.18%	0.092%
4	6.384	374	376	379	rBV	1470930	1817017	94.59%	7.382%
5	6.510	385	387	390	rBV	2180933	1920881	100.00%	7.804%
6	6.739	405	407	410	rBV	902408	901971	46.96%	3.664%
7	6.899	419	421	423	rBV	1870171	1673593	87.13%	6.799%
8	7.070	429	436	437	rBV3	8709	27738	1.44%	0.113%
9	7.127	439	441	444	rVB3	19893	27017	1.41%	0.110%
10	7.207	446	448	451	rBV3	13097	21890	1.14%	0.089%
11	7.310	455	457	461	rBV	1360858	1239322	64.52%	5.035%
12	7.436	465	468	470	rVB	44042	66282	3.45%	0.269%
13	7.562	476	479	484	rBV5	46257	159787	8.32%	0.649%
14	7.630	484	485	487	rVB	44904	52382	2.73%	0.213%
15	7.733	492	494	497	rBV3	48014	79117	4.12%	0.321%
16	7.779	497	498	503	rVB2	13428	24156	1.26%	0.098%
17	8.030	518	520	522	rBV	1228124	1094884	57.00%	4.448%
18	8.693	574	578	581	rBV3	85640	208503	10.85%	0.847%
19	8.750	581	583	584	rVV2	79786	137603	7.16%	0.559%
20	8.796	584	587	588	rVV3	75910	191023	9.94%	0.776%
21	8.842	588	591	595	rVB4	90254	264197	13.75%	1.073%
22	9.105	612	614	616	rBV	2283031	1898635	98.84%	7.713%
23	9.173	618	620	623	rVB3	30268	38135	1.99%	0.155%
24	9.505	647	649	651	rBV	286545	246008	12.81%	0.999%
25	9.642	659	661	664	rBV	30978	33901	1.76%	0.138%
26	9.722	666	668	671	rBV	23322	37782	1.97%	0.153%
27	9.779	671	673	676	rVV	1141096	974208	50.72%	3.958%
28	10.213	710	711	713	rVB	60074	42514	2.21%	0.173%
29	10.430	727	730	733	rBV	19805	35163	1.83%	0.143%
30	10.568	740	742	745	rBV	1019153	922020	48.00%	3.746%
31	10.682	751	752	756	rVB	63605	89852	4.68%	0.365%
32	10.876	766	769	773	rBV6	11375	33297	1.73%	0.135%
33	11.070	784	786	790	rVB2	18029	24679	1.28%	0.100%
34	11.139	790	792	793	rVV	23021	40211	2.09%	0.163%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H2254-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

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-BF040216.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.162	793	794	798	rVB	28744	26110	1.36%	0.106%
36	11.265	801	803	804	rVV	808842	840181	43.74%	3.413%
37	11.288	804	805	807	rVV	67492	61489	3.20%	0.250%
38	11.345	807	810	812	rVB	30834	48213	2.51%	0.196%
39	11.505	822	824	826	rBV	32944	39814	2.07%	0.162%
40	11.539	826	827	830	rVV2	22814	28961	1.51%	0.118%
41	11.791	848	849	852	rBV	84054	139911	7.28%	0.568%
42	11.871	855	856	860	rVB	17820	29605	1.54%	0.120%
43	12.316	892	895	897	rBV3	25576	53300	2.77%	0.217%
44	12.351	897	898	901	rVB2	37372	42475	2.21%	0.173%
45	12.476	906	909	910	rBV	129606	152199	7.92%	0.618%
46	12.579	915	918	920	rBV2	83775	106294	5.53%	0.432%
47	12.705	926	929	930	rBV	104790	162857	8.48%	0.662%
48	12.751	930	933	936	rVB4	26501	56620	2.95%	0.230%
49	12.842	939	941	944	rVV	1565385	1451828	75.58%	5.898%
50	13.025	954	957	959	rBV2	35533	72774	3.79%	0.296%
51	13.082	959	962	963	rBV	33070	54471	2.84%	0.221%
52	13.231	973	975	976	rBV	53021	79503	4.14%	0.323%
53	13.322	981	983	988	rVV2	57592	129014	6.72%	0.524%
54	13.425	989	992	993	rVV	72591	102317	5.33%	0.416%
55	13.539	1000	1002	1005	rVB	42314	54405	2.83%	0.221%
56	13.699	1014	1016	1019	rVB	114113	122681	6.39%	0.498%
57	13.756	1019	1021	1025	rBV2	156422	266764	13.89%	1.084%
58	13.894	1031	1033	1035	rBV	758079	1042706	54.28%	4.236%
59	14.065	1046	1048	1052	rBV	166119	221949	11.55%	0.902%
60	14.374	1073	1075	1076	rBV	100302	125774	6.55%	0.511%
61	14.659	1099	1100	1103	rBV2	109733	173556	9.04%	0.705%
62	14.911	1119	1122	1126	rBV	164316	322922	16.81%	1.312%
63	15.185	1144	1146	1149	rVB	147680	170069	8.85%	0.691%
64	15.242	1149	1151	1154	rBV	160182	227515	11.84%	0.924%
65	15.299	1154	1156	1159	rBV	680325	909978	47.37%	3.697%
66	15.917	1207	1210	1218	rVB	176109	444380	23.13%	1.805%
67	16.305	1241	1244	1248	rBV	169485	281888	14.67%	1.145%
68	16.820	1287	1289	1292	rVB	73287	129367	6.73%	0.526%

Sum of corrected areas: 24614457

LSC Report - Integrated Chromatogram

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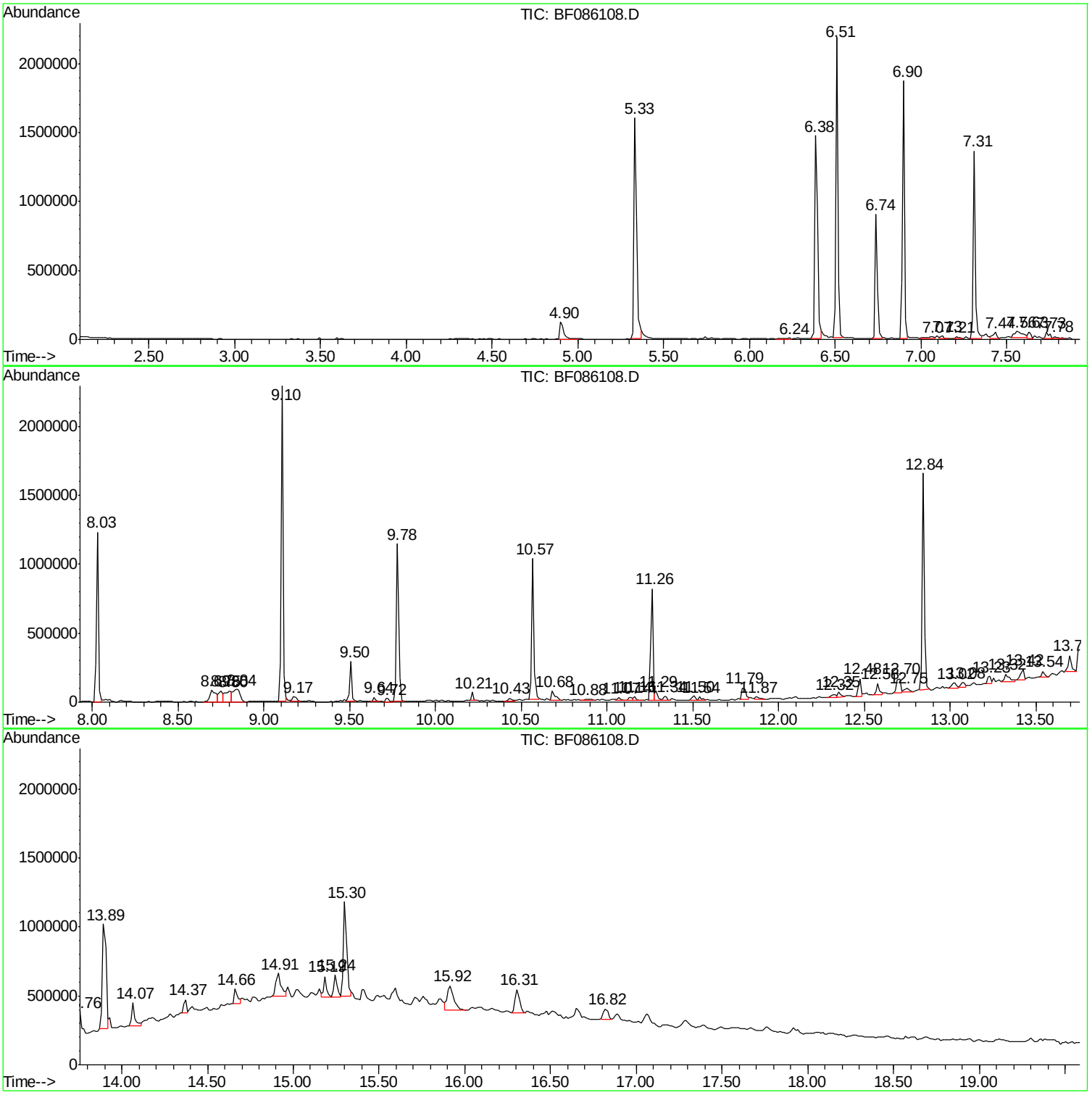
Data File : BF086108.D
Acq On : 6 Apr 2016 20:03
Operator : UM/SJ
Sample : H2254-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
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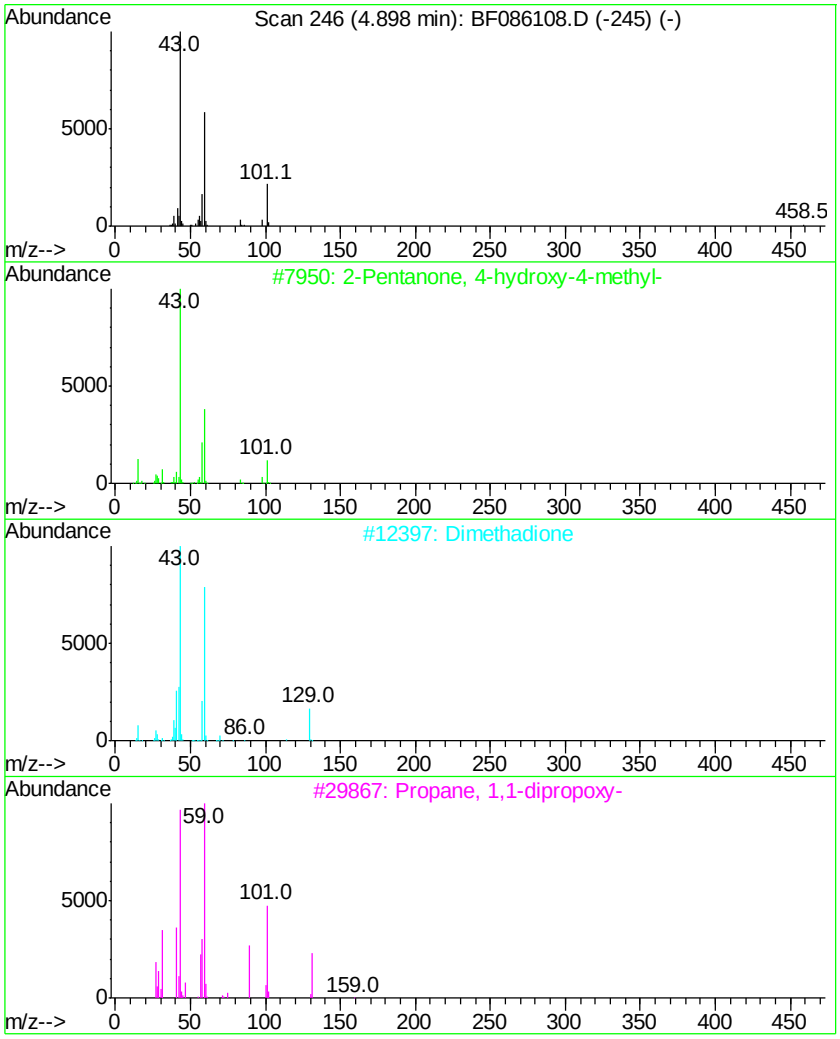
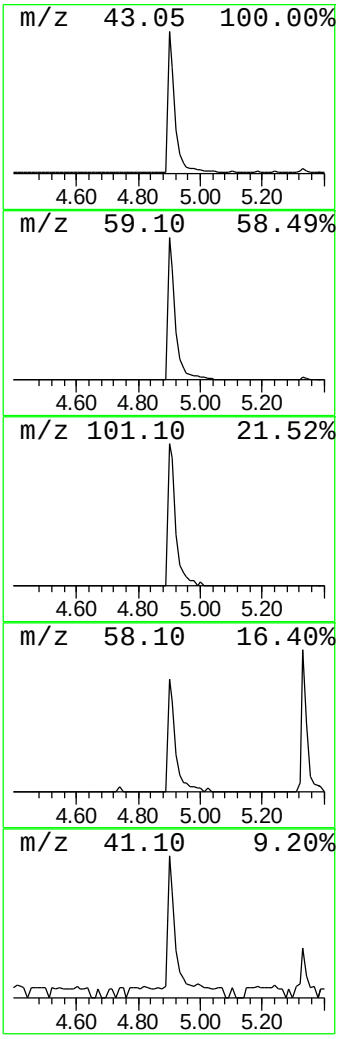
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	4.67 ng	210489	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Dimethadione	129	C5H7NO3	000695-53-4	40
3	Propane, 1,1-dipropoxy-	160	C9H20O2	004744-11-0	38
4	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086108.D
Acq On : 6 Apr 2016 20:03
Operator : UM/SJ
Sample : H2254-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

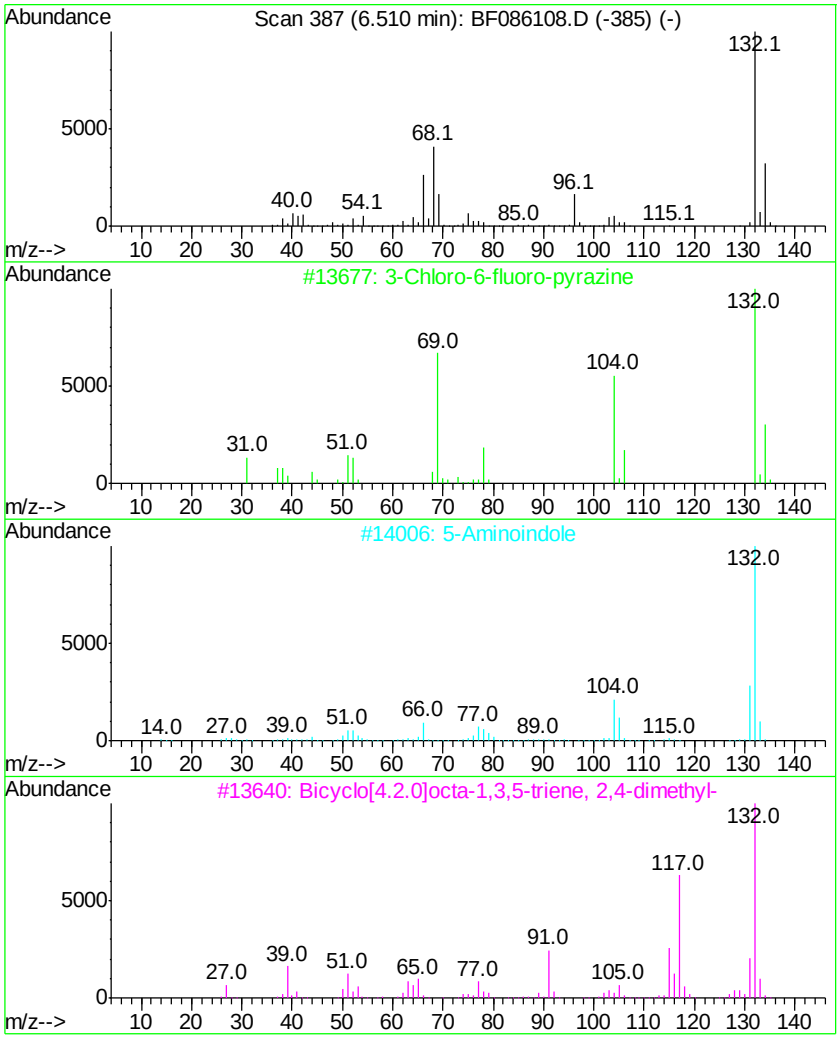
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

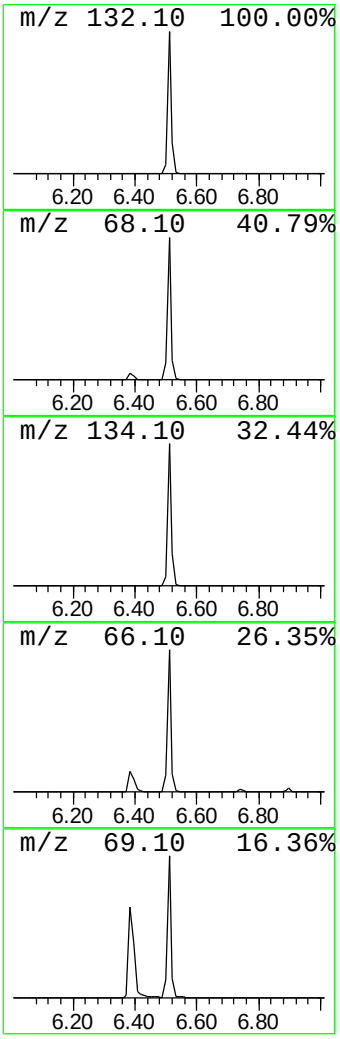
****

Peak Number 2 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	42.59 ng	1920880	1,4-Dichlorobenzene-d4	6.74

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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST02.L
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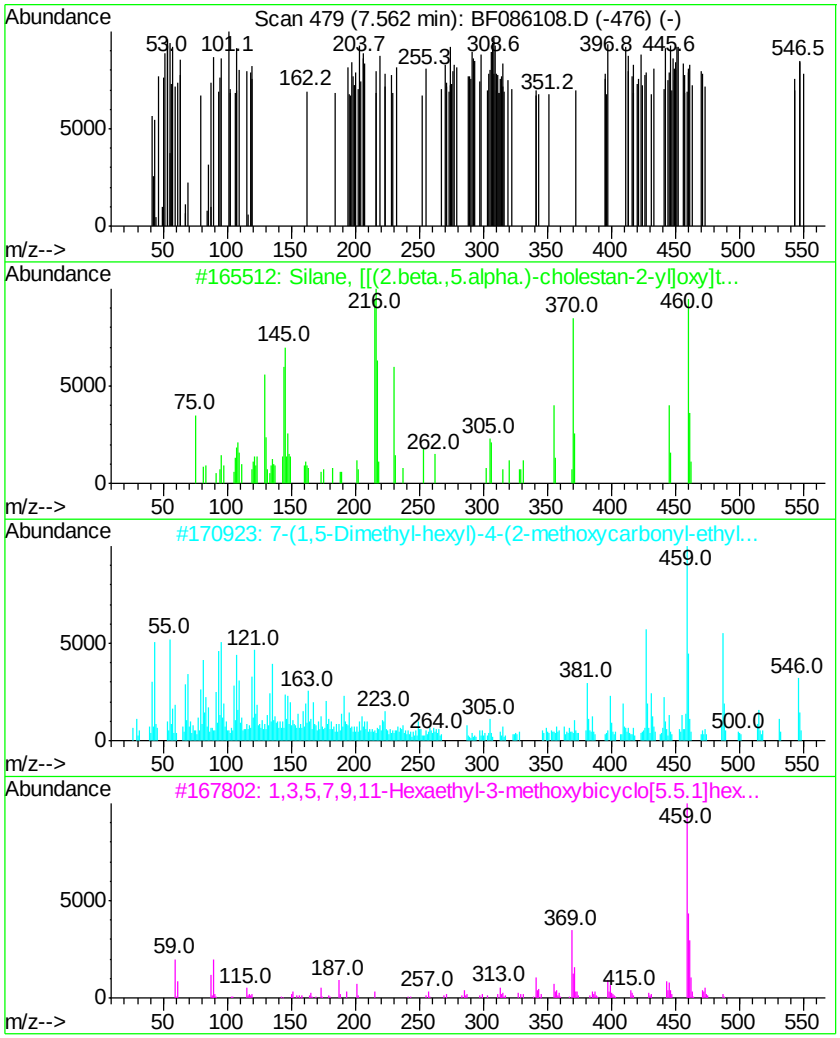
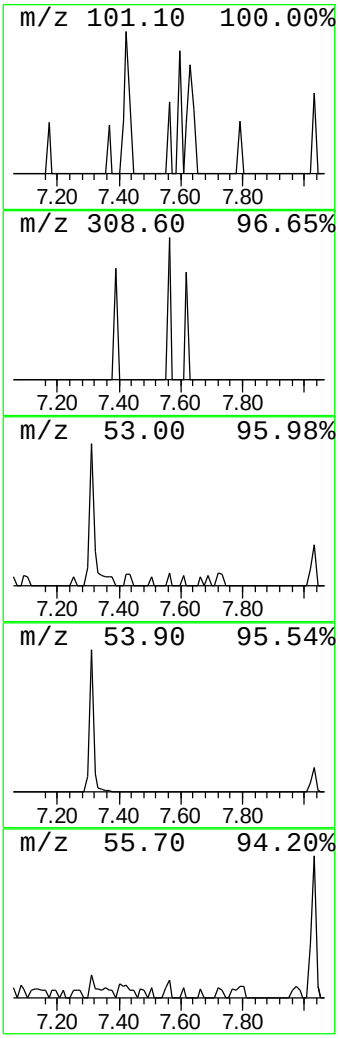
Peak Number 4 Silane, [[(2.beta.,5.alpha.... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	2.92 ng	159787	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, [[(2.beta.,5.alpha.)-cho...	460	C30H56OSi	055282-51-4	90
2	7-(1,5-Dimethyl-hexyl)-4-(2-meth...	546	C32H50O7	1000194-67-5	10
3	1,3,5,7,9,11-Hexaethyl-3-methoxy...	488	C13H36O8Si6	073113-18-5	9
4	Estra-1,3,5(10)-trien-17-one, 3,...	459	C25H41NO3Si2	069833-47-2	9
5	Dibenzo[b,e][1,4]dioxin, octachl...	456	C12Cl8O2	003268-87-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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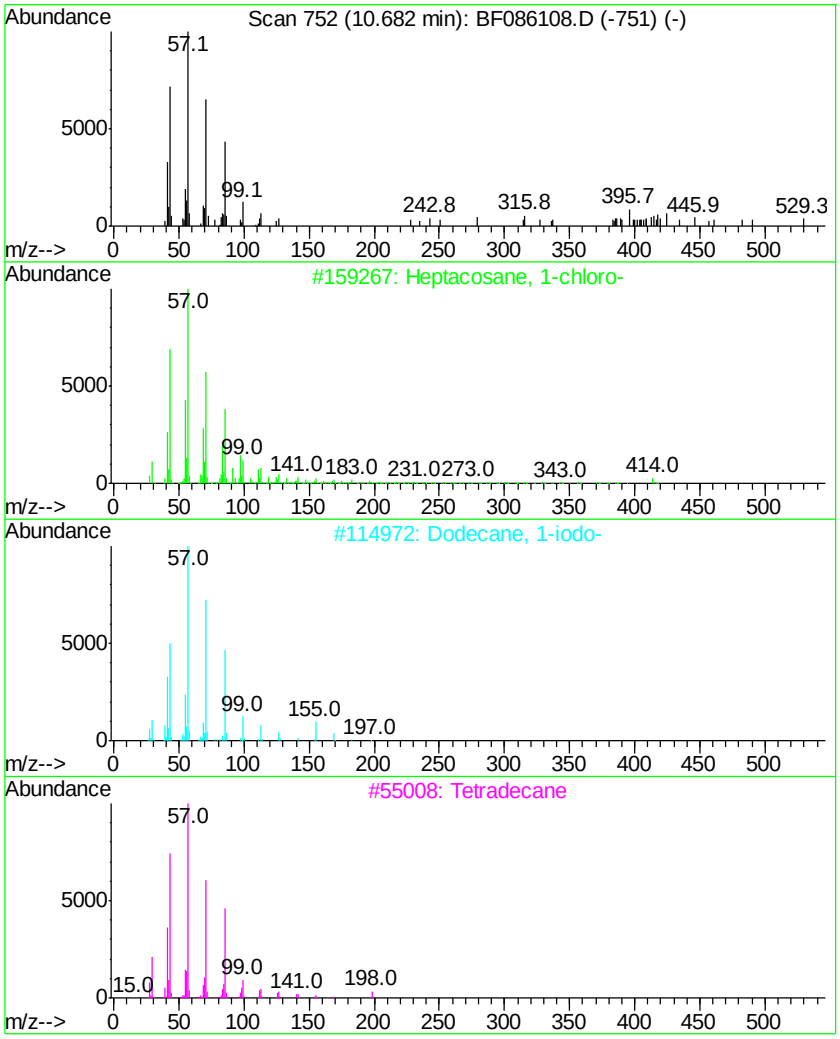
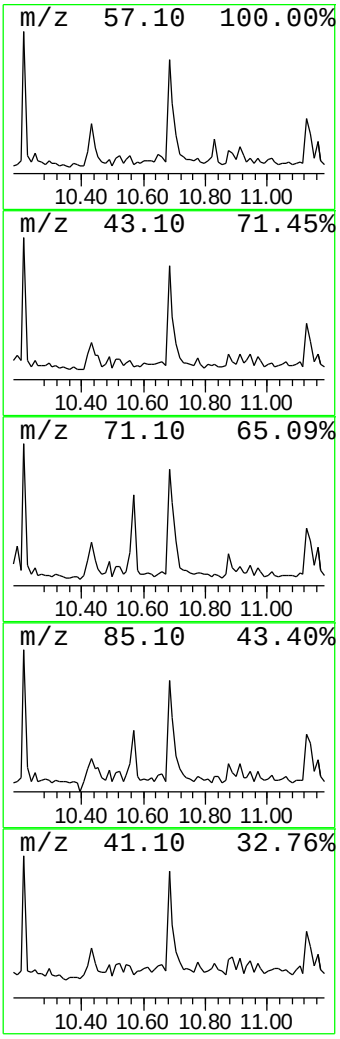
****

Peak Number 9 unknown10.68 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	2.14 ng	89852	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	46
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	38
3	Tetradecane	198	C14H30	000629-59-4	38
4	Nonadecane	268	C19H40	000629-92-5	38
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	38





Library Search Compound Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

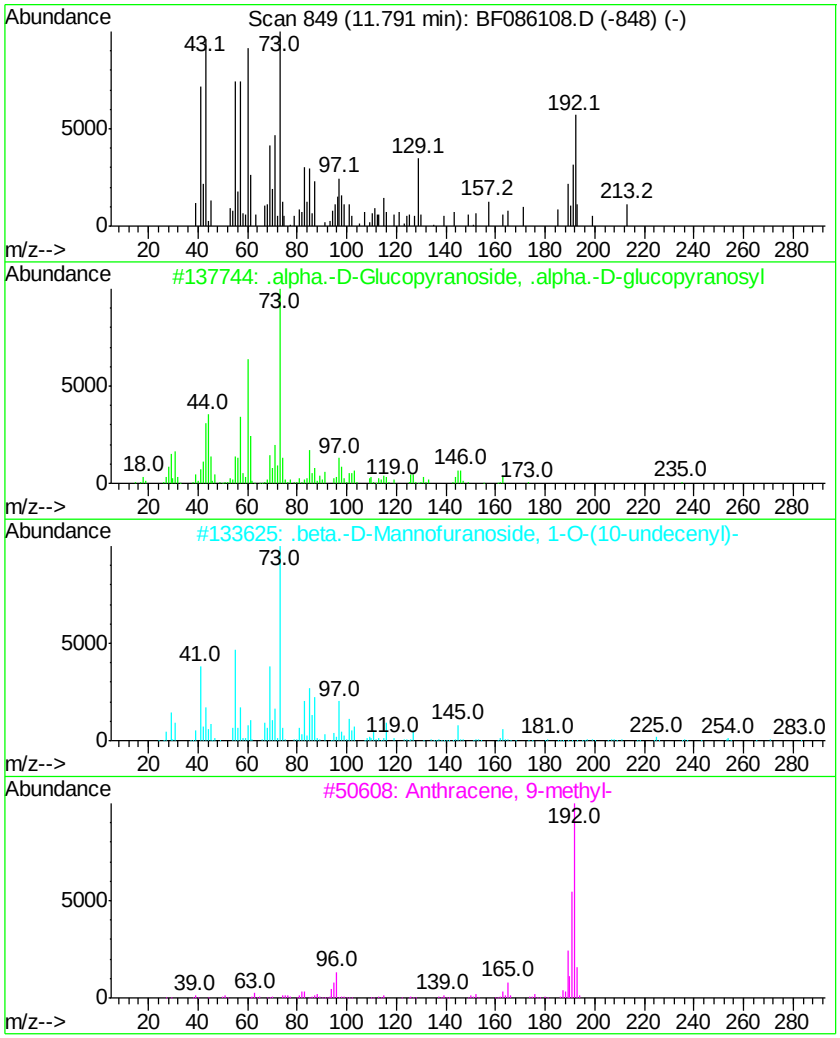
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

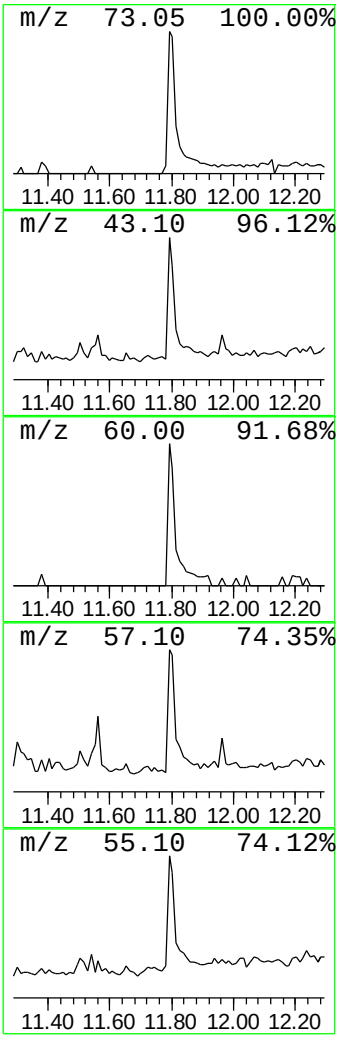
****

Peak Number 10 unknown11.79 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.33 ng	139911	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-D-Glucopyranoside, .alph...	342	C12H22O11	000099-20-7	35
2	.beta.-D-Mannofuranoside, 1-O-(1...	332	C17H32O6	1000155-29-9	18
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	15
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	11
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	11





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
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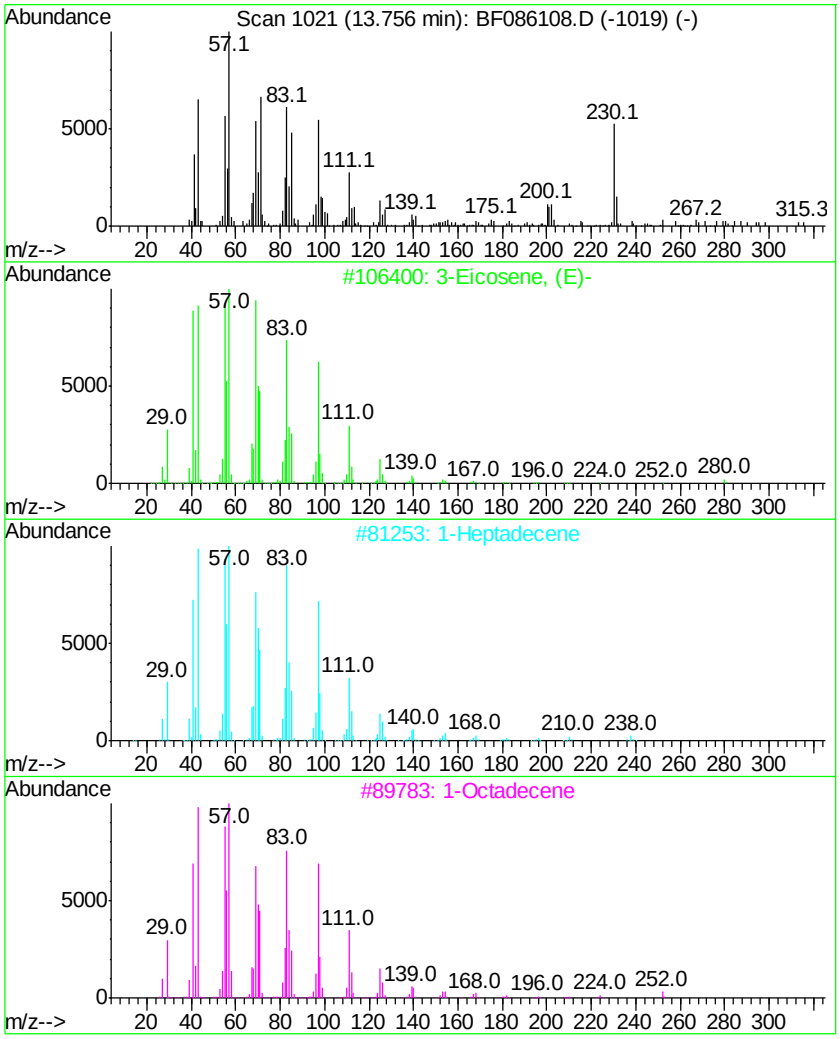
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

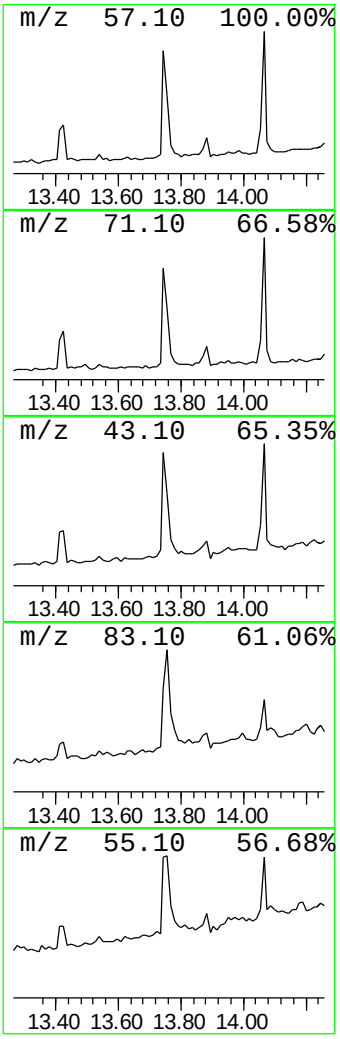
****

Peak Number 13 3-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	5.12 ng	266764	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	94
2	1-Heptadecene	238	C17H34	006765-39-5	89
3	1-Octadecene	252	C18H36	000112-88-9	89
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	83
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086108.D
Acq On : 6 Apr 2016 20:03
Operator : UM/SJ
Sample : H2254-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

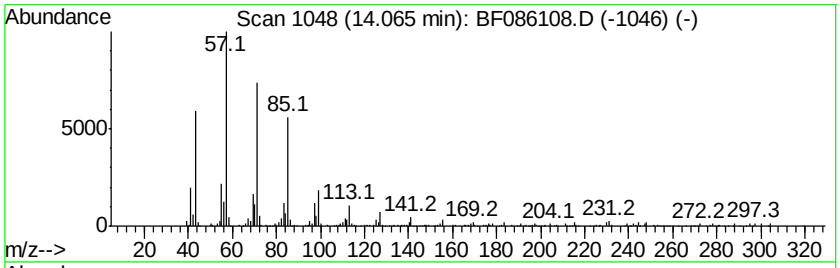
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

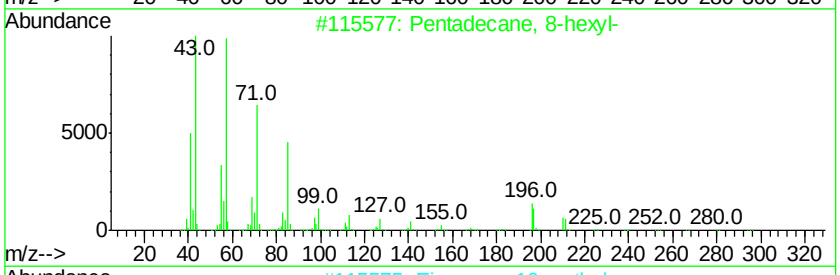
****

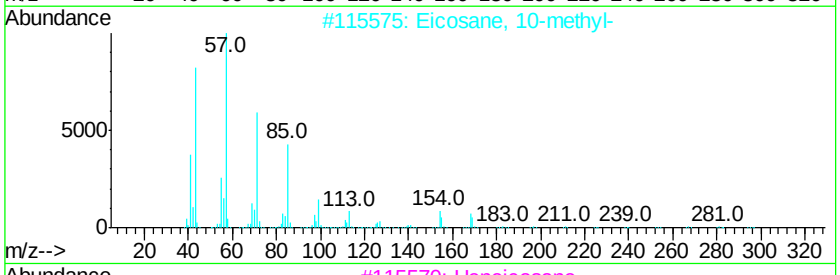
Peak Number 14 Pentadecane, 8-hexyl- Concentration Rank 8

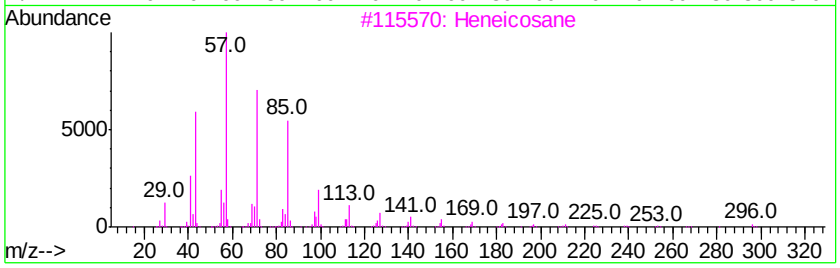
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	4.26 ng	221949	Chrysene-d12	13.89

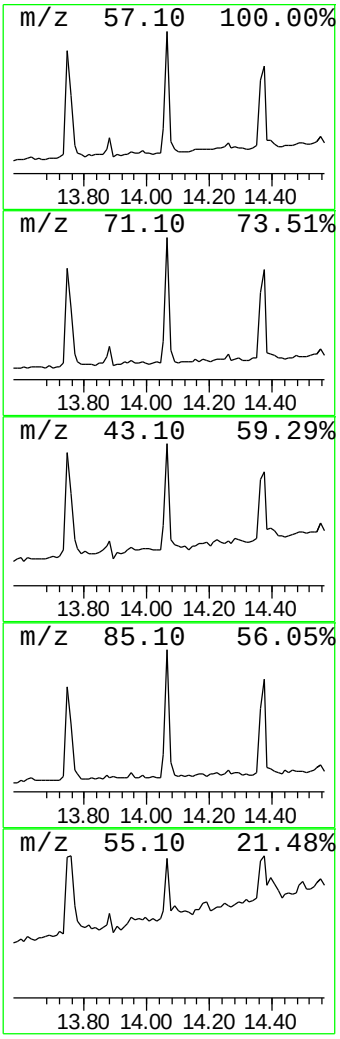
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexadecane	226	C16H34	000544-76-3	91
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91











Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086108.D
Acq On : 6 Apr 2016 20:03
Operator : UM/SJ
Sample : H2254-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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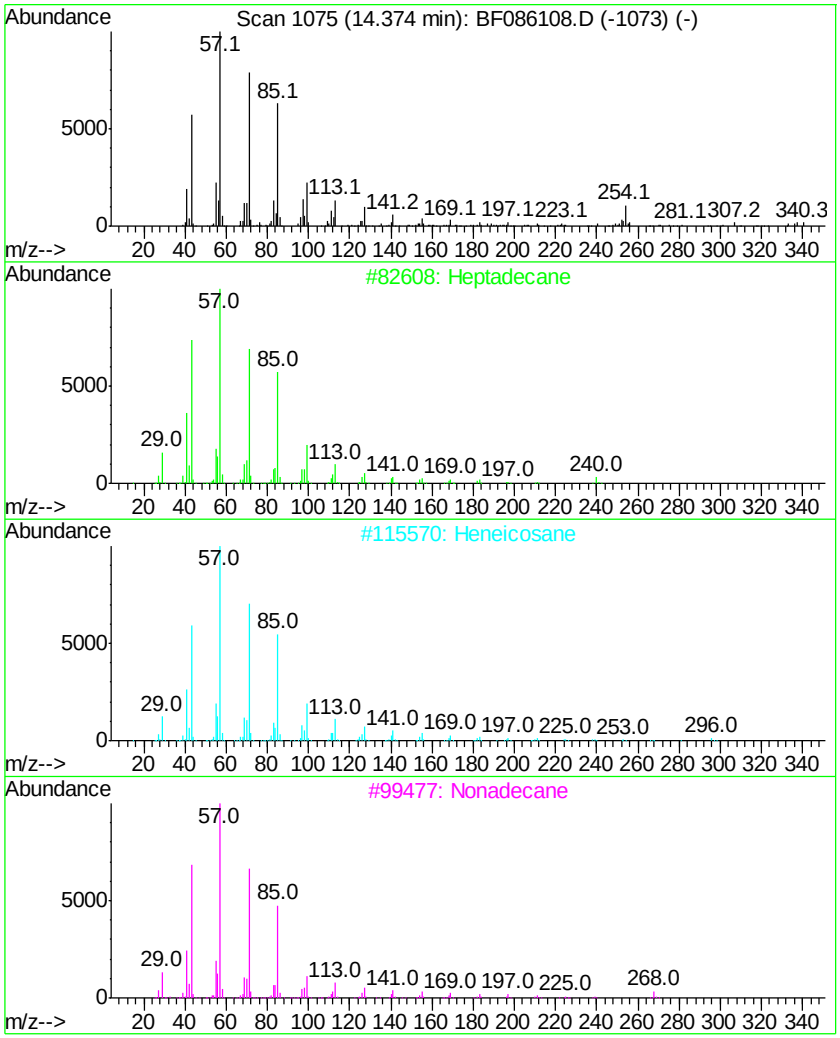
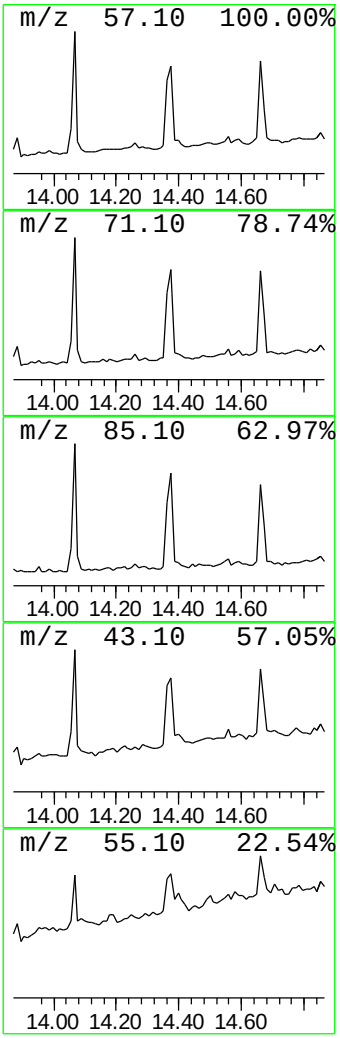
Peak Number 15 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	2.41 ng	125774	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Nonadecane	268	C19H40	000629-92-5	83
4	Eicosane	282	C20H42	000112-95-8	83
5	Octadecane	254	C18H38	000593-45-3	80





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TIC Library : C:\DATABASE\NIST02.L
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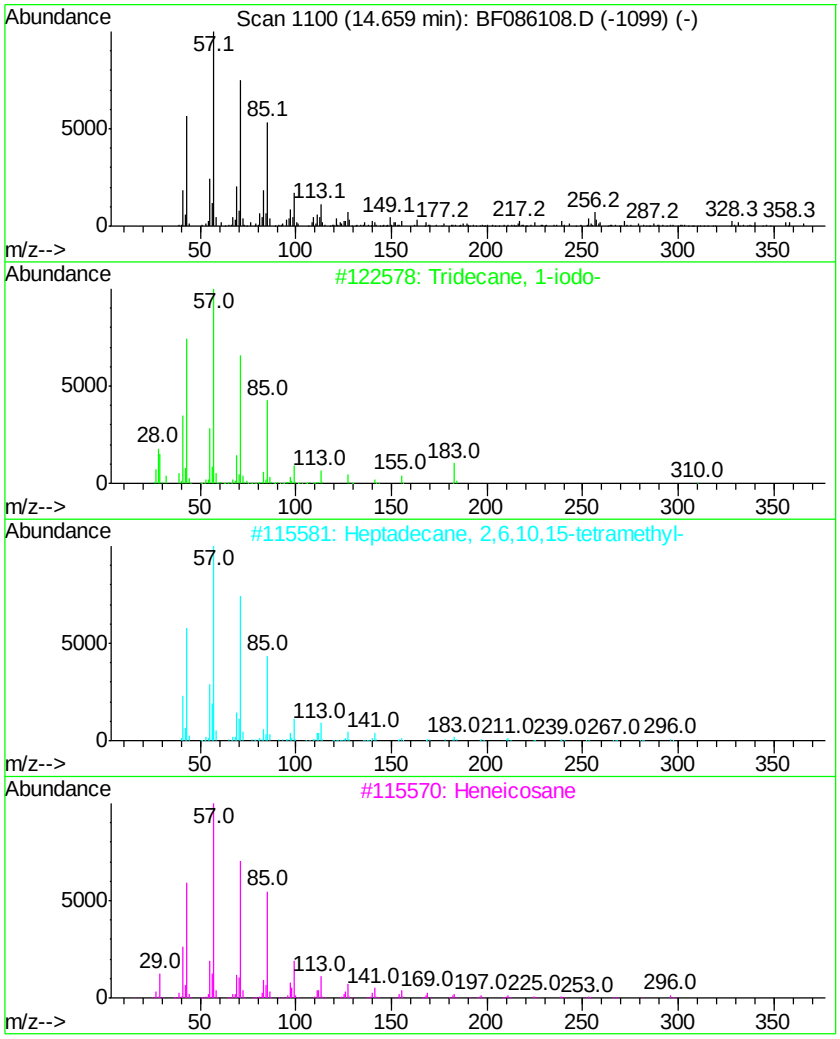
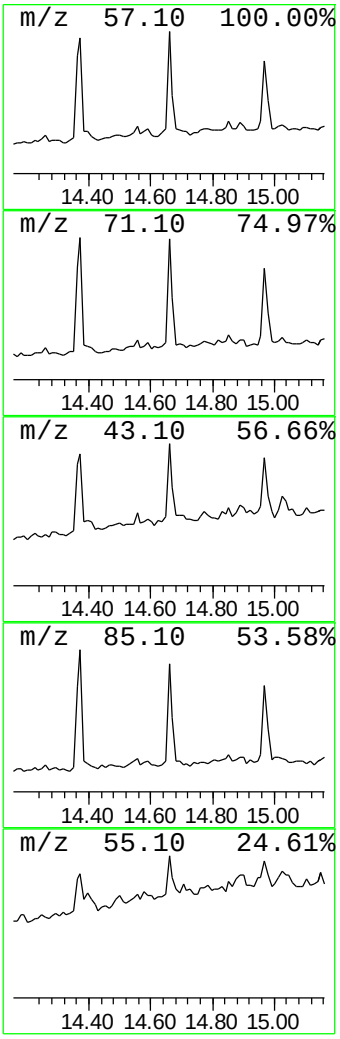
Peak Number 16 Tridecane, 1-iodo- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	3.81 ng	173556	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3	Heneicosane	296	C21H44	000629-94-7	87
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
5	Hexadecane	226	C16H34	000544-76-3	86





Library Search Compound Report

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Acq On : 6 Apr 2016 20:03
Operator : UM/SJ
Sample : H2254-05
Misc :
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Instrument : BNA_F
ClientSampleId : SP-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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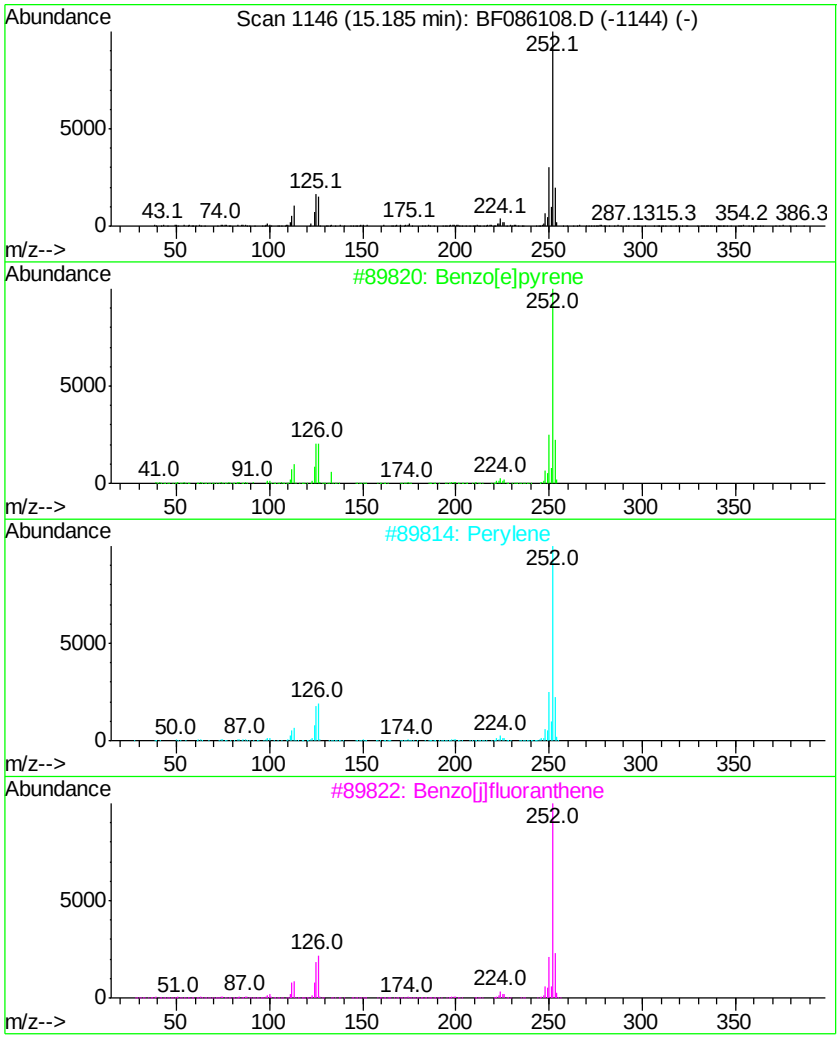
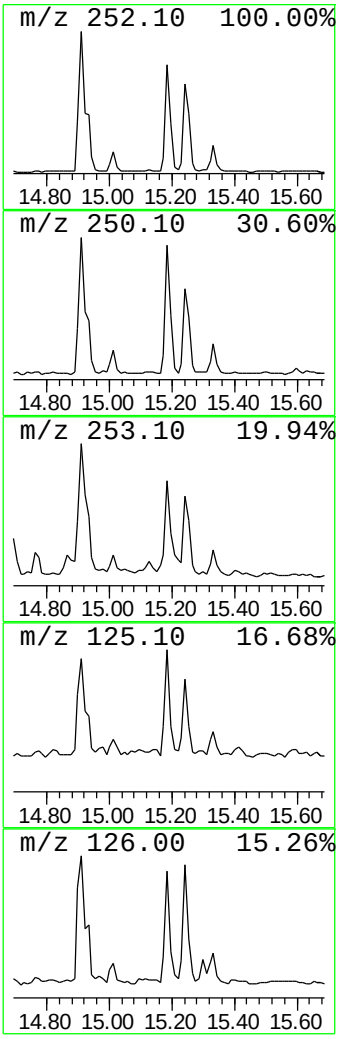
Peak Number 17 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.74 ng	170069	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95





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Sample : H2254-05
Misc :
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Instrument : BNA_F
ClientSampleId : SP-18

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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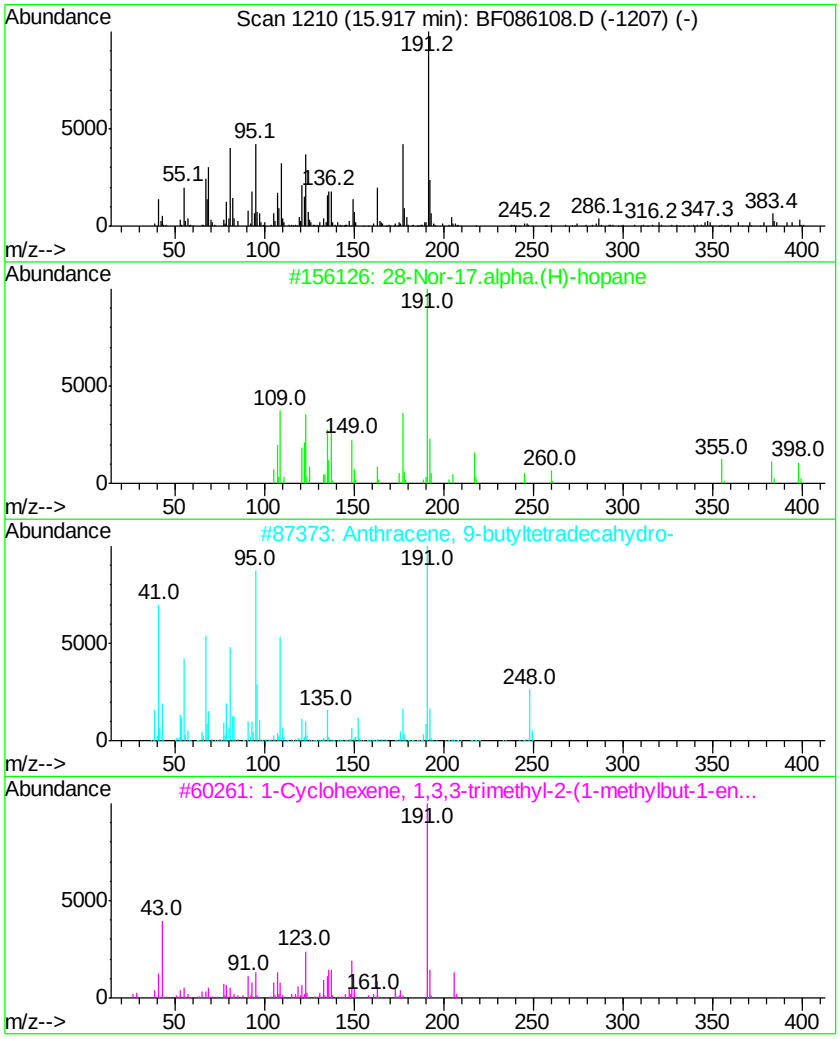
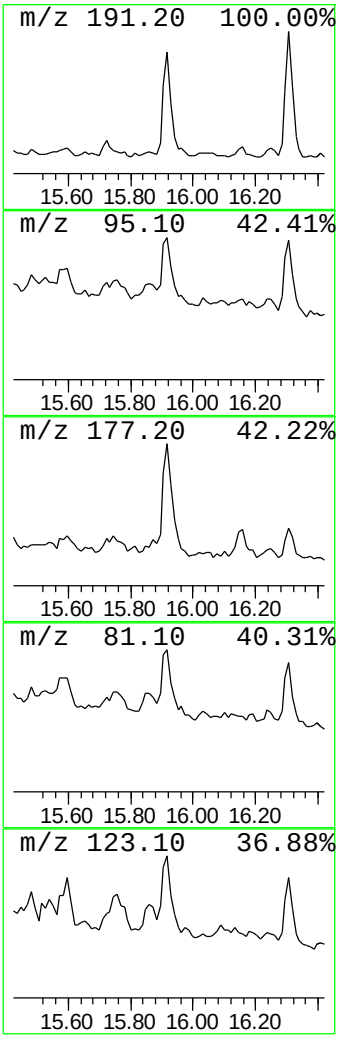
Peak Number 18 28-Nor-17.alpha.(H)-hopane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	9.77 ng	444380	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	78
2	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	40
3	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	38
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	32





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Sample : H2254-05
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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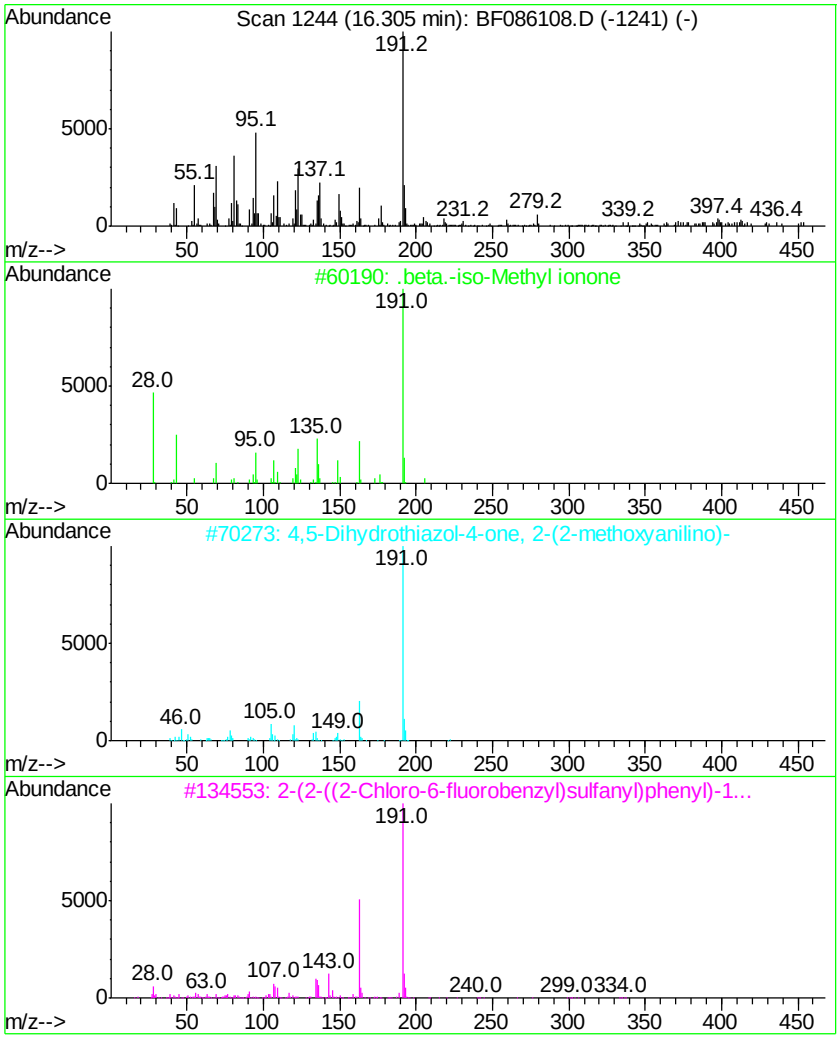
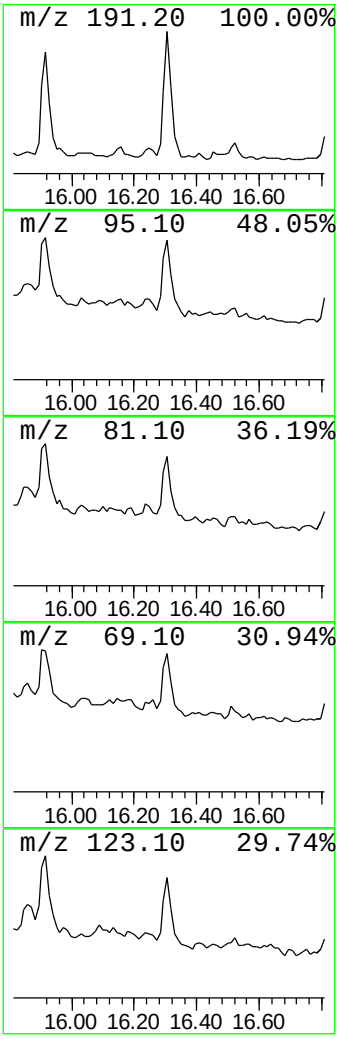
Peak Number 19 unknown16.31 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	6.20 ng	281888	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	43
2	4,5-Dihydrothiazol-4-one, 2-(2-m...	222	C10H10N2O2S	022476-61-5	38
3	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	38
4	2-Amino-4-methyl-6-(2-thienyl)py...	191	C9H9N3S	026963-43-9	27
5	Pyrido[3,2-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	024410-25-1	27





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Instrument : BNA_F
ClientSampleId : SP-18

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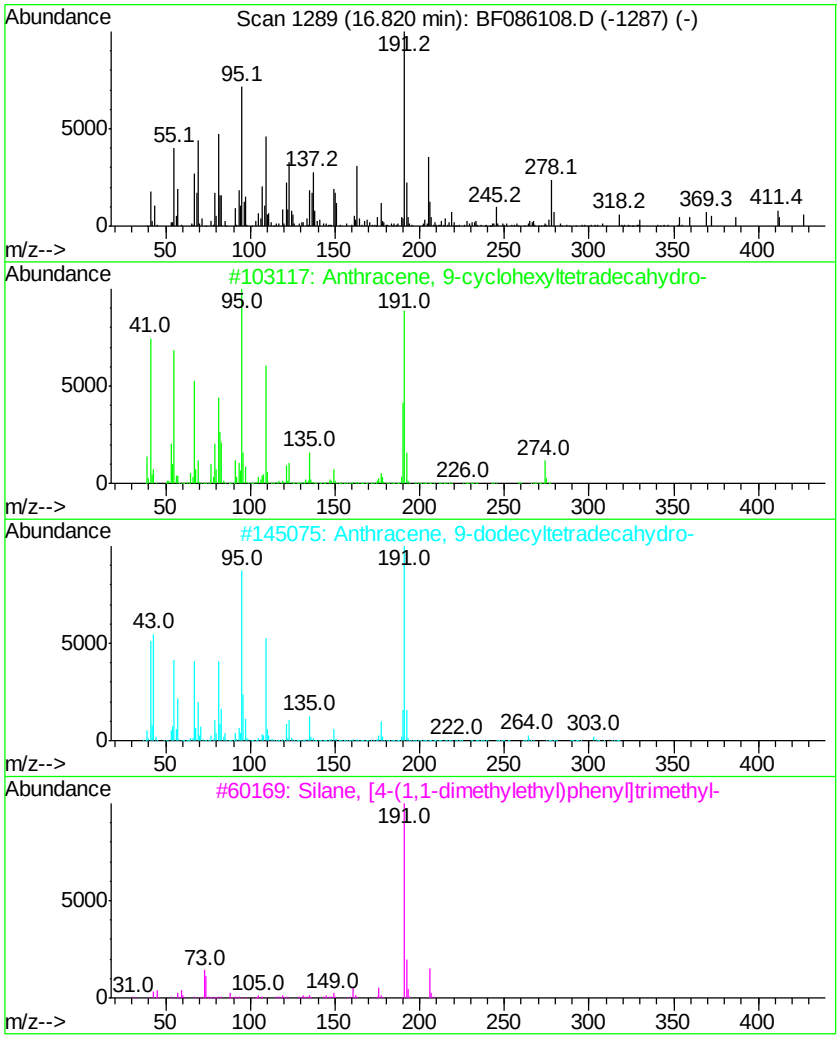
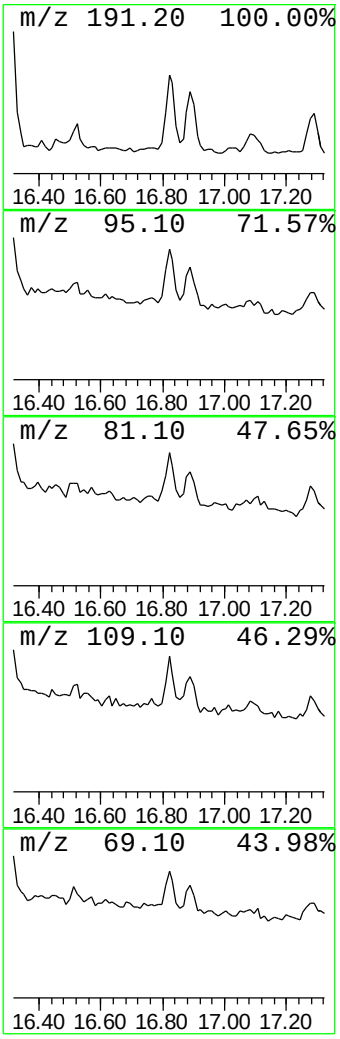
Peak Number 20 Anthracene, 9-cyclohexyltet... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.84 ng	129367	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	70
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	53
3	Silane, [4-(1,1-dimethylethyl)ph...	206	C13H22Si	018412-68-5	38
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	38
5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	38





Tentatively Identified Compound (LSC) summary

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Data File : BF086108.D
Acq On : 6 Apr 2016 20:03
Operator : UM/SJ
Sample : H2254-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.90	4.7	ng	210489	1	6.74	901971	20.0
unknown6.51	6.51	42.6	ng	1920880	1	6.74	901971	20.0
Silane, [[(2.beta...	7.56	2.9	ng	159787	2	8.03	1094880	20.0
unknown10.68	10.68	2.1	ng	89852	4	11.26	840181	20.0
unknown11.79	11.79	3.3	ng	139911	4	11.26	840181	20.0
3-Eicosene, (E)-	13.76	5.1	ng	266764	5	13.89	1042710	20.0
Pentadecane, 8-he...	14.07	4.3	ng	221949	5	13.89	1042710	20.0
Heptadecane	14.37	2.4	ng	125774	5	13.89	1042710	20.0
Tridecane, 1-iodo-	14.66	3.8	ng	173556	6	15.30	909978	20.0
Benzo[e]pyrene	15.19	3.7	ng	170069	6	15.30	909978	20.0
28-Nor-17.alpha.(...	15.92	9.8	ng	444380	6	15.30	909978	20.0
unknown16.31	16.31	6.2	ng	281888	6	15.30	909978	20.0
Anthracene, 9-cyc...	16.82	2.8	ng	129367	6	15.30	909978	20.0