LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081118.D
Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

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-BF081715.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	4.710	244	247	259	rVB	764134	1190418	61.95%	4.116%
2	5.110	280	282	284	rBV	14965	30617	1.59%	0.106%
3	5.156	284	286	289	rVB	1321047	1783977	92.84%	6.168%
4	6.230	377	380	383	rBV	1446872	1766480	91.93%	6.108%
5	6.356	388	391	393	rVV	1715612	1921515	100.00%	6.644%
6	6.436	394	398	400	rVV3	19074	32614	1.70%	0.113%
7	6.584	409	411	413	rBV	533854	431645	22.46%	1.492%
8	6.744	422	425	427	rBV	1581499	1457707	75.86%	5.040%
9	7.156	458	461	463	rBV	1174277	1123663	58.48%	3.885%
10	7.613	499	501	507	rVV3	25425	61857	3.22%	0.214%
11	7.876	521	524	527	rVV	574594	721194	37.53%	2.494%
12	8.322	560	563	566	rVV	28594	48604	2.53%	0.168%
13	8.482	576	577	579	rVV	36721	37851	1.97%	0.131%
14	8.585	583	586	588	rVB	79764	74126	3.86%	0.256%
15	8.676	592	594	597	rVB	51860	59171	3.08%	0.205%
16	8.916	612	615	616	rBV	30533	32820	1.71%	0.113%
17	8.950	616	618	621	rVB	1702252	1708256	88.90%	5.907%
18	9.053	624	627	629	rVB	44370	60105	3.13%	0.208%
19	9.213	638	641	642	rBV	32141	49447	2.57%	0.171%
20	9.282	645	647	648	rBV	52685	42220	2.20%	0.146%
21	9.350	651	653	655	rVB	259558	216065	11.24%	0.747%
22	9.396	655	657	660	rVB2	35264	47786	2.49%	0.165%
23	9.476	662	664	666	rBV	70935	65028	3.38%	0.225%
24	9.567	670	672	674	rVB2	35289	49652	2.58%	0.172%
25	9.613	674	676	678	rBV2	495604	569213	29.62%	1.968%
26	9.647	678	679	681	rVB	253720	197148	10.26%	0.682%
27	9.727	684	686	688	rBV	24450	43961	2.29%	0.152%
28	9.819	692	694	696	rBV	87390	76546	3.98%	0.265%
29	9.865	696	698	699	rVB2	23288	30256	1.57%	0.105%
30	9.899	699	701	702	rBV	25997	36418	1.90%	0.126%
31	9.933	702	704	705	rBV	35523	46811	2.44%	0.162%
32	10.036	710	713	715	rBV4	36074	103951	5.41%	0.359%
33	10.070	715	716	718	rVB	108082	80624	4.20%	0.279%
34	10.162	722	724	725	rBV2	132677	136329	7.09%	0.471%

LSC Area Percent Report

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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.242	727	731	732	rBV3	44897	88557	4.61%	0.306%
36	10.288	732	735	736	rBV2	46341	51080	2.66%	0.177%
37	10.322	736	738	741	rVB2	53123	71699	3.73%	0.248%
38	10.402	742	745	747	rVB	1025729	997305	51.90%	3.448%
39	10.459	747	750	751	rVB3	31664	50350	2.62%	0.174%
40	10.505	751	754	755	rBV3	21478	36731	1.91%	0.127%
41	10.539	755	757	760	rVB	164207	196853	10.24%	0.681%
42	10.699	769	771	773	rBV2	49422	78232	4.07%	0.270%
43	10.733	773	774	775	rVV	39136	30151	1.57%	0.104%
44	10.836	780	783	787	rBV6	53710	142564	7.42%	0.493%
45	10.893	787	788	790	rVB2	36591	35457	1.85%	0.123%
46	10.950	790	793	794	rBV	55108	76350	3.97%	0.264%
47	10.985	794	796	798	rVV	236823	200541	10.44%	0.693%
48	11.019	798	799	802	rVB2	37943	36490	1.90%	0.126%
49	11.088	803	805	806	rBV	517541	484448	25.21%	1.675%
50	11.110	806	807	809	rVB	698716	568880	29.61%	1.967%
51	11.156	809	811	813	rVB	127955	180865	9.41%	0.625%
52	11.202	813	815	816	rBV	41013	48147	2.51%	0.166%
53	11.316	824	825	827	rBV	45971	59990	3.12%	0.207%
54	11.408	831	833	836	rVB2	170113	207479	10.80%	0.717%
55	11.591	847	849	850	rBV	130272	136646	7.11%	0.472%
56	11.648	853	854	857	rVV3	77225	177909	9.26%	0.615%
57	11.693	857	858	862	rVB	224612	358973	18.68%	1.241%
58	11.819	867	869	873	rVV	181783	216978	11.29%	0.750%
59	11.888	873	875	878	rVV2	110566	230376	11.99%	0.797%
60	11.945	878	880	882	rBV2	109362	117948	6.14%	0.408%
61	12.139	895	897	899	rVB2	66099	68796	3.58%	0.238%
62	12.311	909	912	913	rVB	705710	863505	44.94%	2.986%
63	12.345	913	915	920	rVB3	117156	197004	10.25%	0.681%
64	12.436	921	923	926	rVB3	39592	53704	2.79%	0.186%
65	12.516	928	930	933	rBV	833297	984936	51.26%	3.406%
66	12.573	933	935	938	rVB2	153394	167855	8.74%	0.580%
67	12.676	942	944	946	rVB	1345401	1271066	66.15%	4.395%
68	12.745	946	950	951	rVB2	49784	67010	3.49%	0.232%
69	12.802	953	955	956	rBV	88976	102708	5.35%	0.355%
70	12.848	957	959	961	rVB	137089	141605	7.37%	0.490%
71	12.916	962	965	967	rBV2	114473	237487	12.36%	0.821%

LSC Area Percent Report

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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.042	974	976	977	rBV	71998	97153	5.06%	0.336%
73	13.065	977	978	980	rVB	94949	84189	4.38%	0.291%
74	13.225	989	992	993	rBV	51167	108669	5.66%	0.376%
75	13.271	993	996	997	rVV	130704	213500	11.11%	0.738%
76	13.339	1000	1002	1004	rBV2	61098	106069	5.52%	0.367%
77	13.385	1004	1006	1007	rVB2	46429	55911	2.91%	0.193%
78	13.454	1010	1012	1014	rBV2	70632	131229	6.83%	0.454%
79	13.591	1022	1024	1026	rVB	143319	126420	6.58%	0.437%
80	13.705	1031	1034	1040	rVB2	521010	1107254	57.62%	3.828%
81	13.808	1041	1043	1044	rVV2	57447	51998	2.71%	0.180%
82	13.911	1049	1052	1055	rVB3	126068	208142	10.83%	0.720%
83	14.002	1058	1060	1064	rBV5	56442	117586	6.12%	0.407%
84	14.094	1066	1068	1069	rBV	82589	83603	4.35%	0.289%
85	14.208	1077	1078	1082	rVB3	219926	258630	13.46%	0.894%
86	14.505	1102	1104	1106	rVB	191915	193945	10.09%	0.671%
87	14.688	1118	1120	1124	rBV	216769	453047	23.58%	1.566%
88	14.791	1127	1129	1133	rVB2	216378	241898	12.59%	0.836%
89	14.939	1140	1142	1145	rVB	157701	205723	10.71%	0.711%
90	14.997	1145	1147	1150	rVV	243664	283988	14.78%	0.982%
91	15.054	1150	1152	1155	rVV2	194487	311975	16.24%	1.079%
92	15.111	1155	1157	1161	rVB	111881	159047	8.28%	0.550%
93	15.465	1186	1188	1196	rVB2	103997	225552	11.74%	0.780%
94	15.637	1201	1203	1209	rVB3	73555	172795	8.99%	0.597%
95	15.877	1222	1224	1228	rVV	41817	72584	3.78%	0.251%
96	15.991	1232	1234	1238	rVB3	56339	120384	6.27%	0.416%
97	16.254	1254	1257	1261	rVB2	71814	124334	6.47%	0.430%
98	16.357	1264	1266	1268	rBV	27124	43701	2.27%	0.151%
99	16.608	1286	1288	1292	rBV	60488	119661	6.23%	0.414%
100	16.802	1302	1305	1308	rVB2	39551	71799	3.74%	0.248%

Sum of corrected areas: 28921536

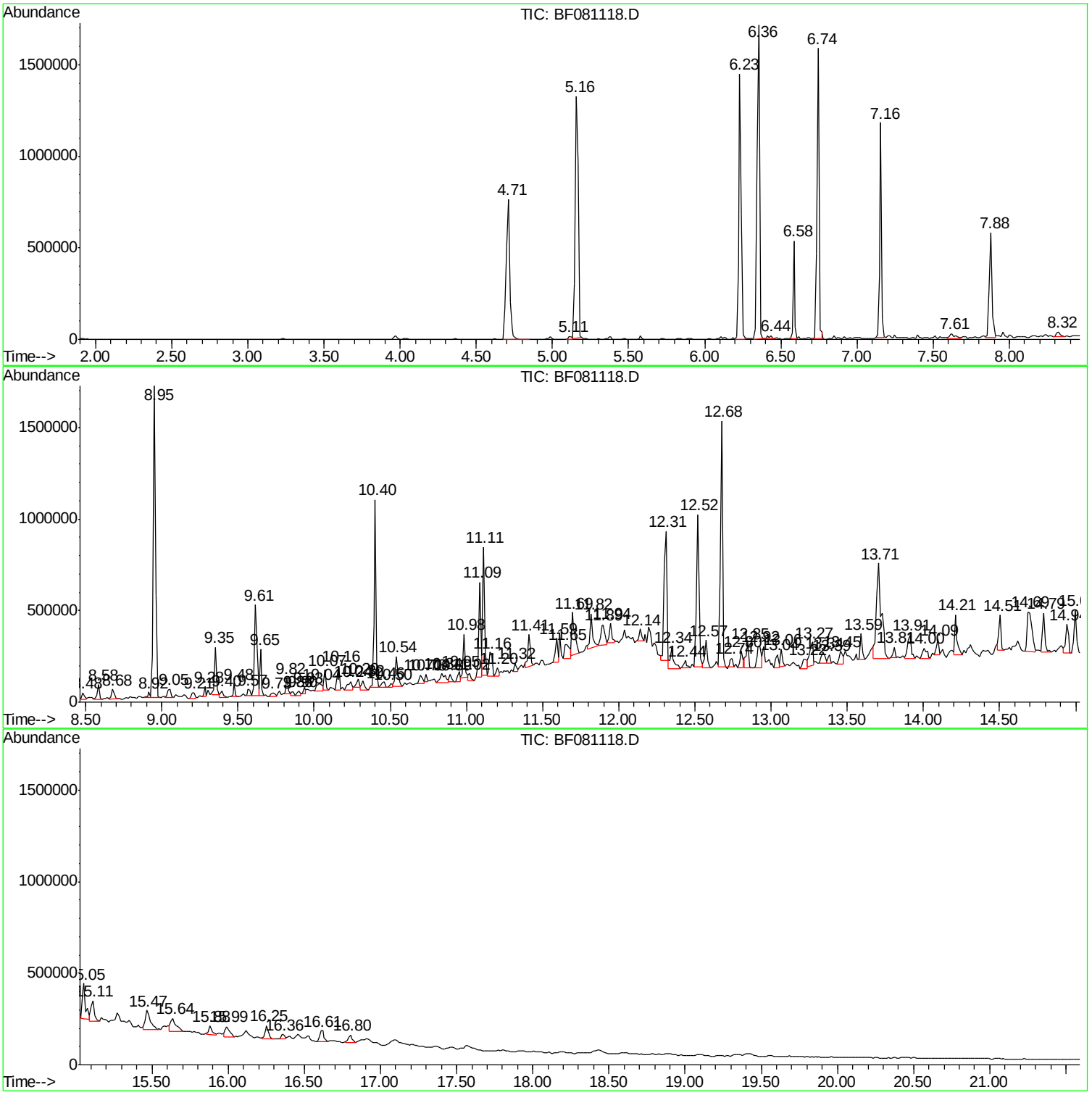
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081118.D
Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081118.D
Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

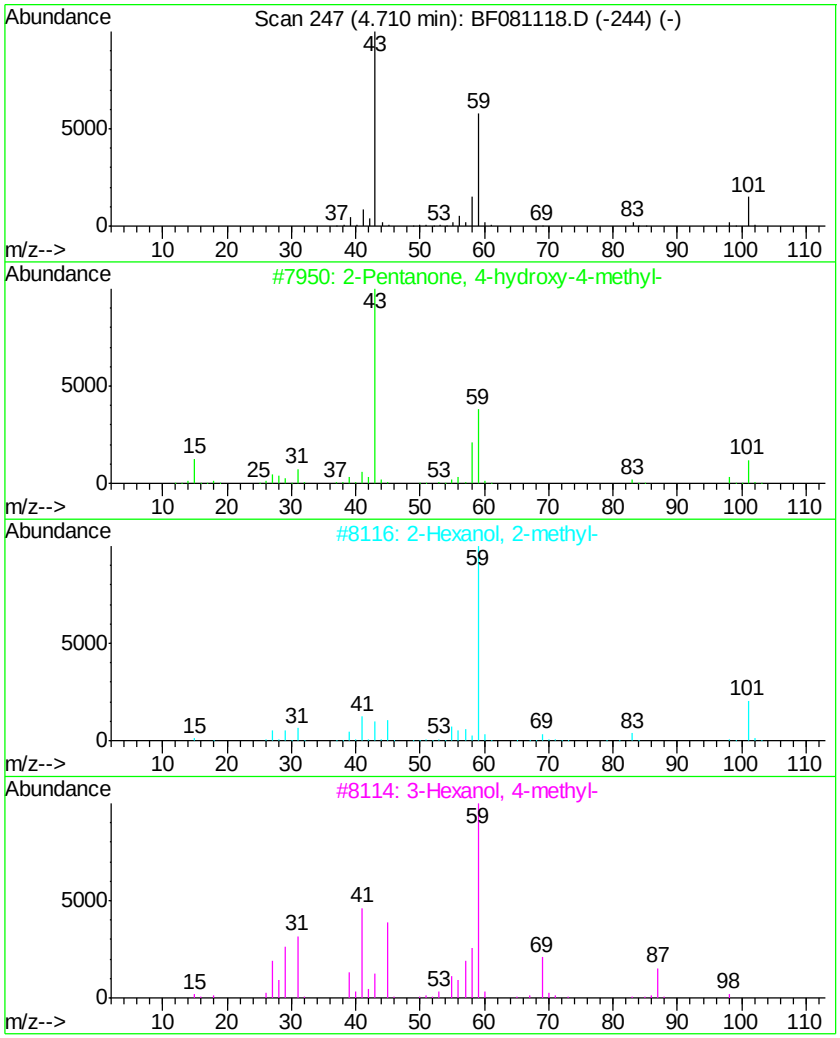
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

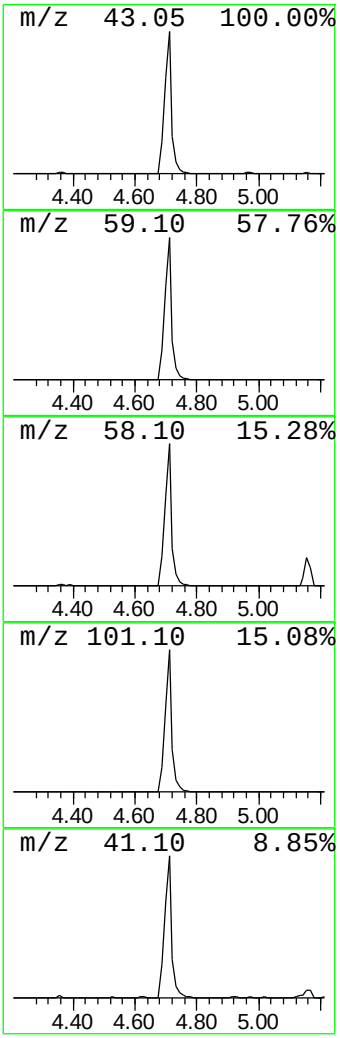
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	55.16 ng	1190420	1,4-Dichlorobenzene-d4	6.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
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ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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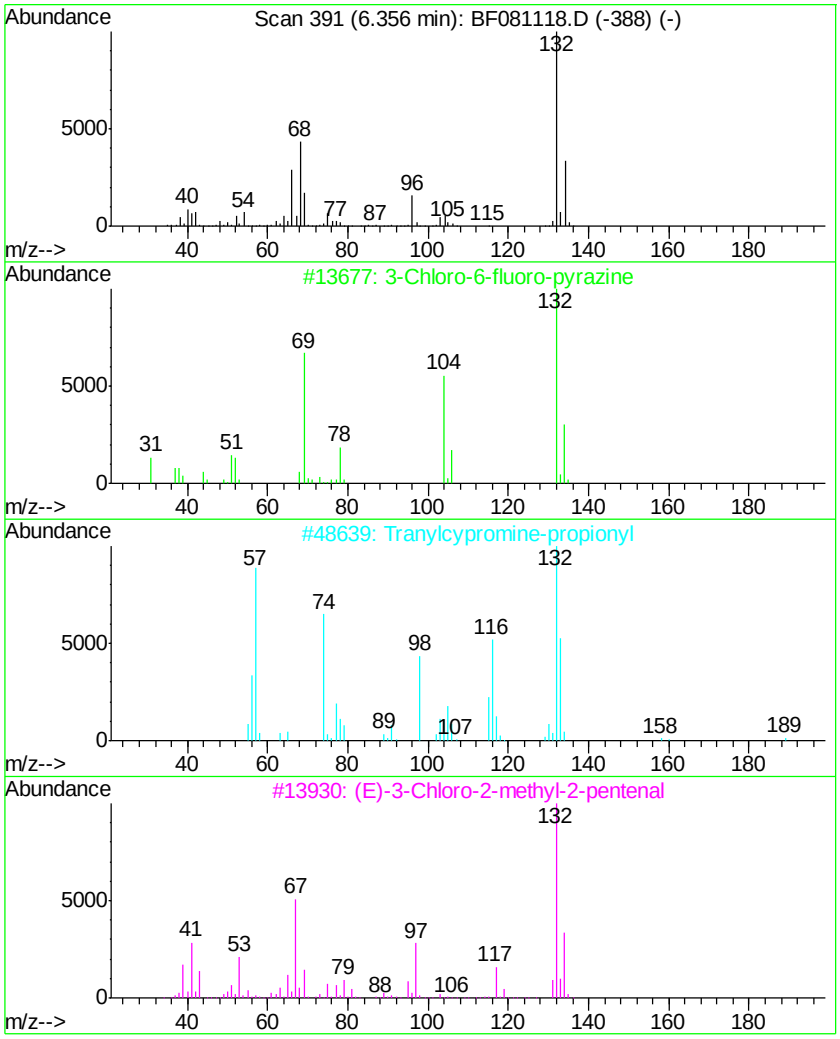
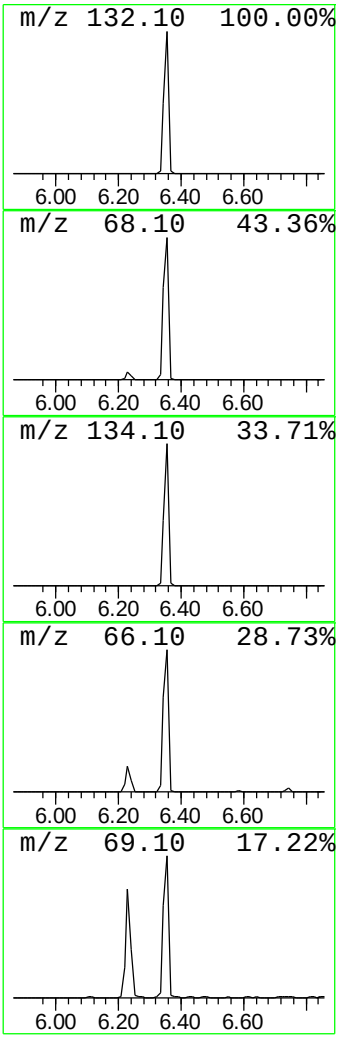
****

Peak Number 2 unknown6.36 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	89.03 ng	1921520	1,4-Dichlorobenzene-d4	6.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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TIC Library : C:\DATABASE\NIST02.L
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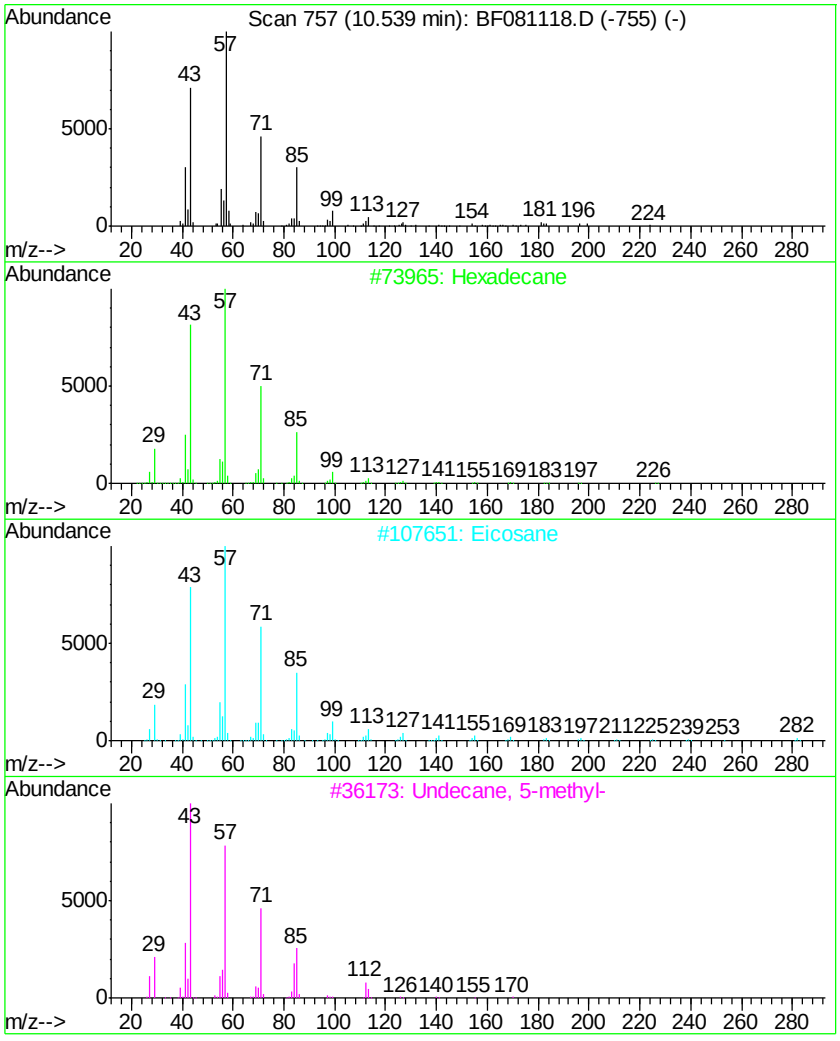
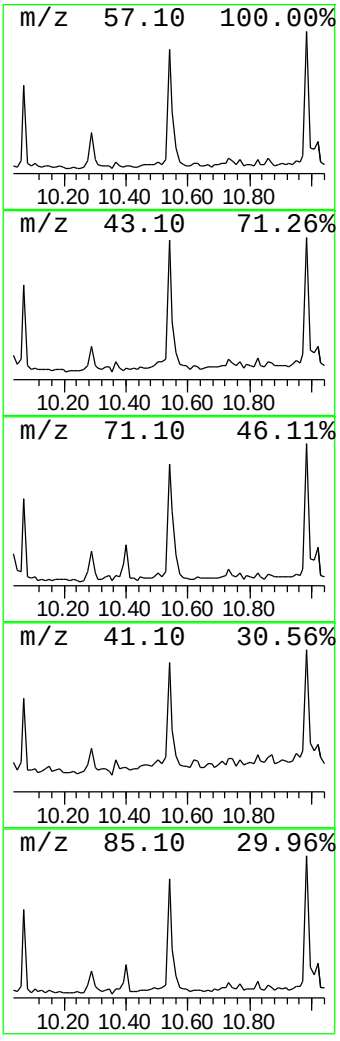
Peak Number 4 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	8.13 ng	196853	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Eicosane	282	C20H42	000112-95-8	86
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	80
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	80
5	Heptacosane	380	C27H56	000593-49-7	72





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Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
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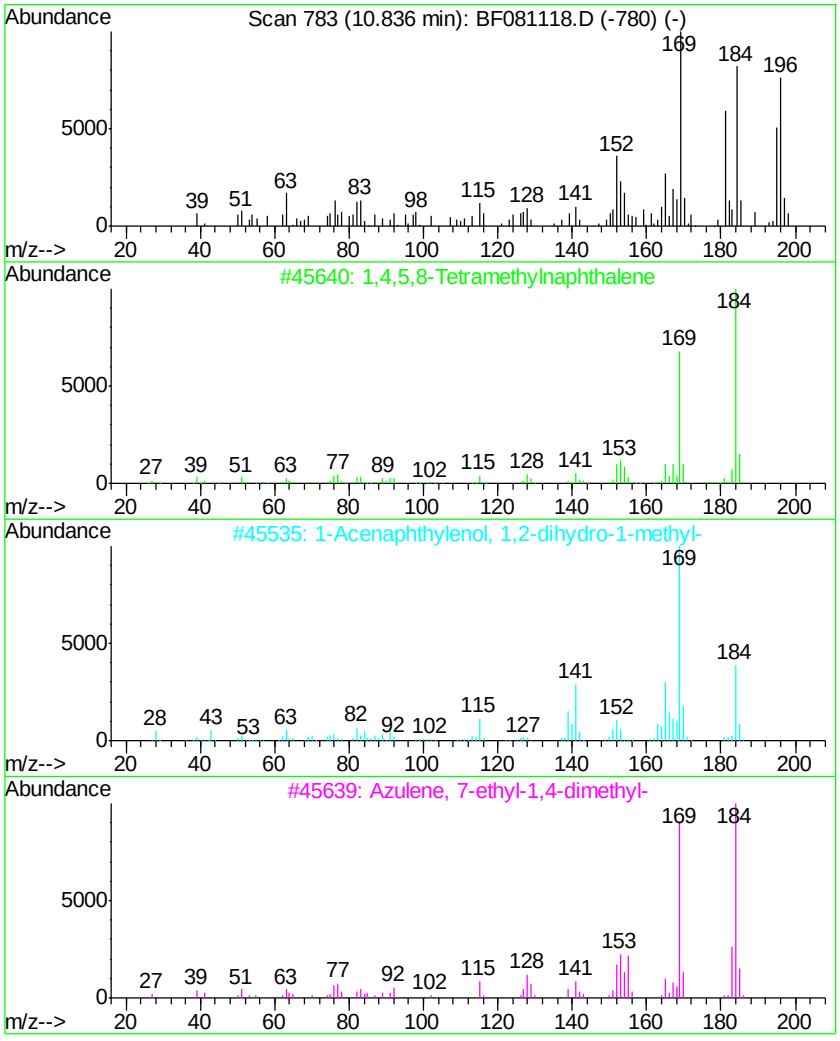
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

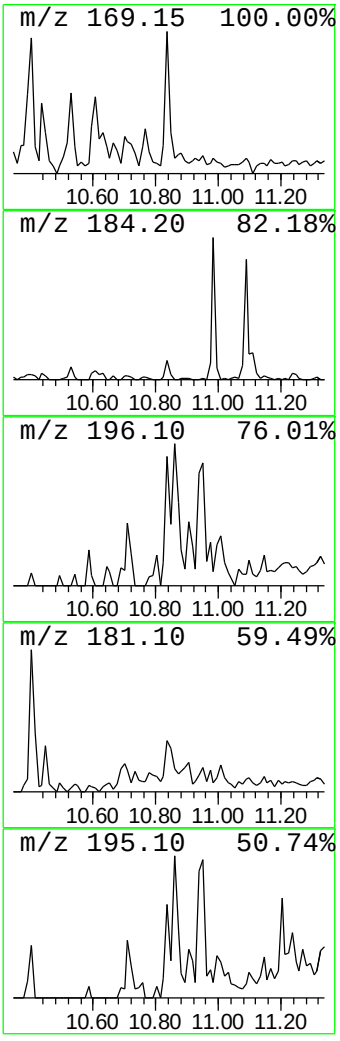
****

Peak Number 5 1,4,5,8-Tetramethylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	5.89 ng	142564	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	64
2	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	64
3	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	50
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	45
5	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	42





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081118.D
Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

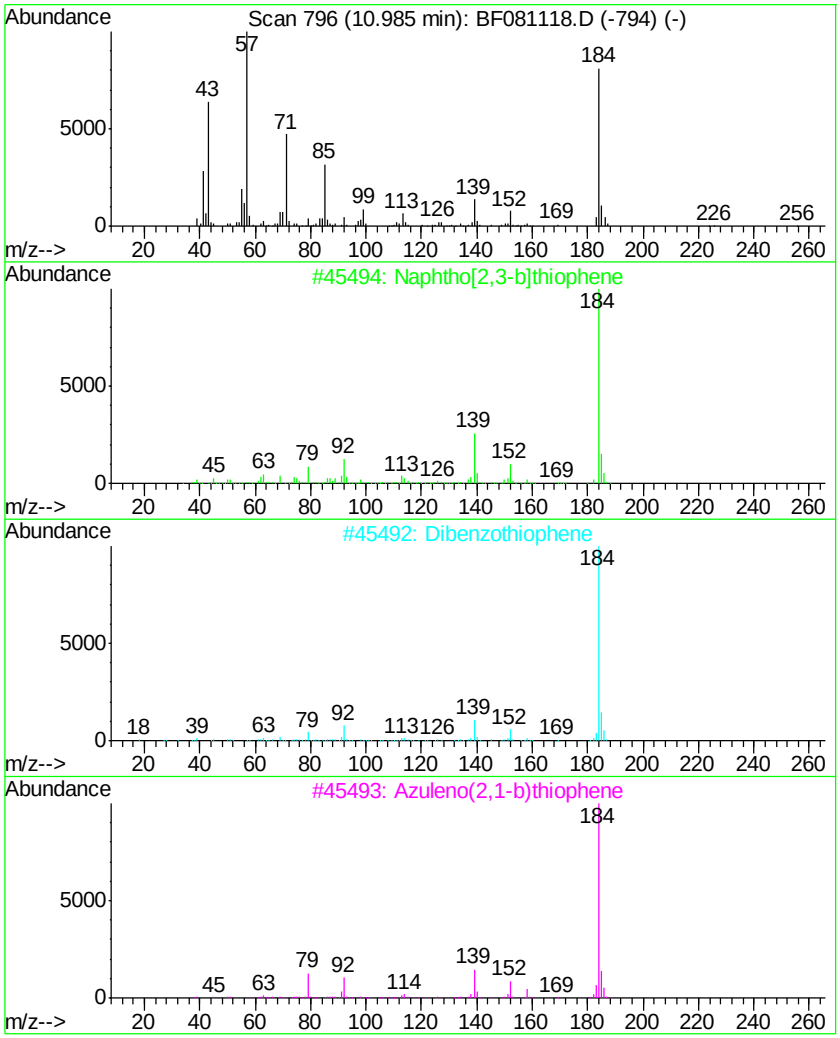
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

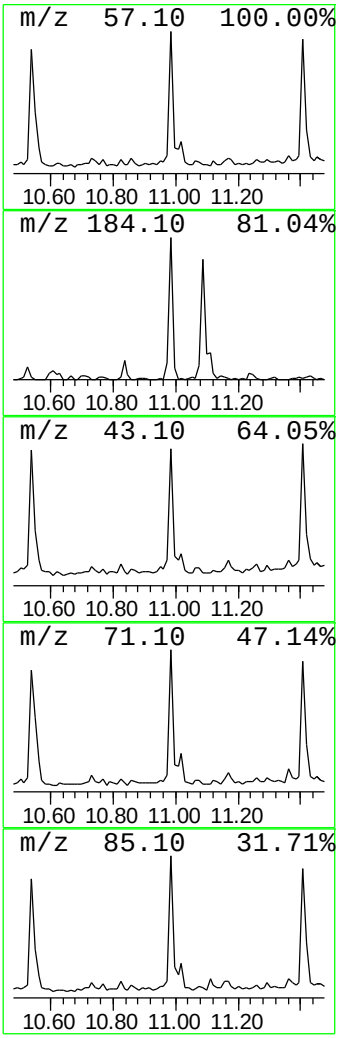
****

Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	8.28 ng	200541	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70
2	Dibenzothiophene	184	C12H8S	000132-65-0	60
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	53
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	43
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081118.D
Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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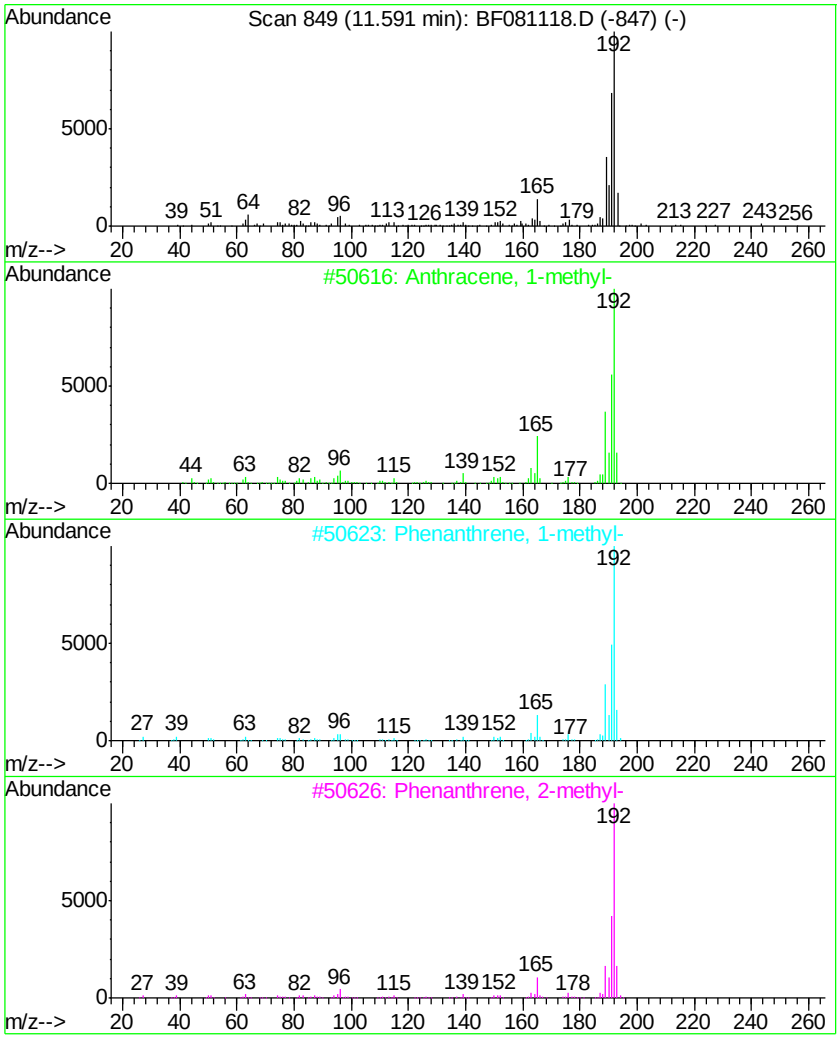
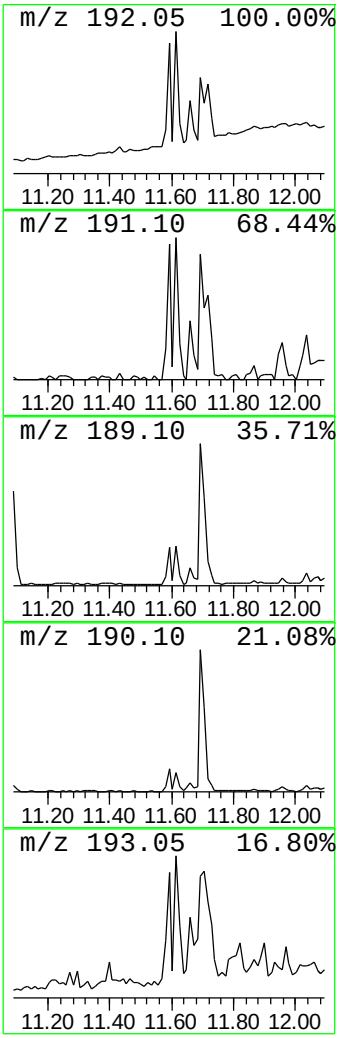
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	5.64 ng	136646	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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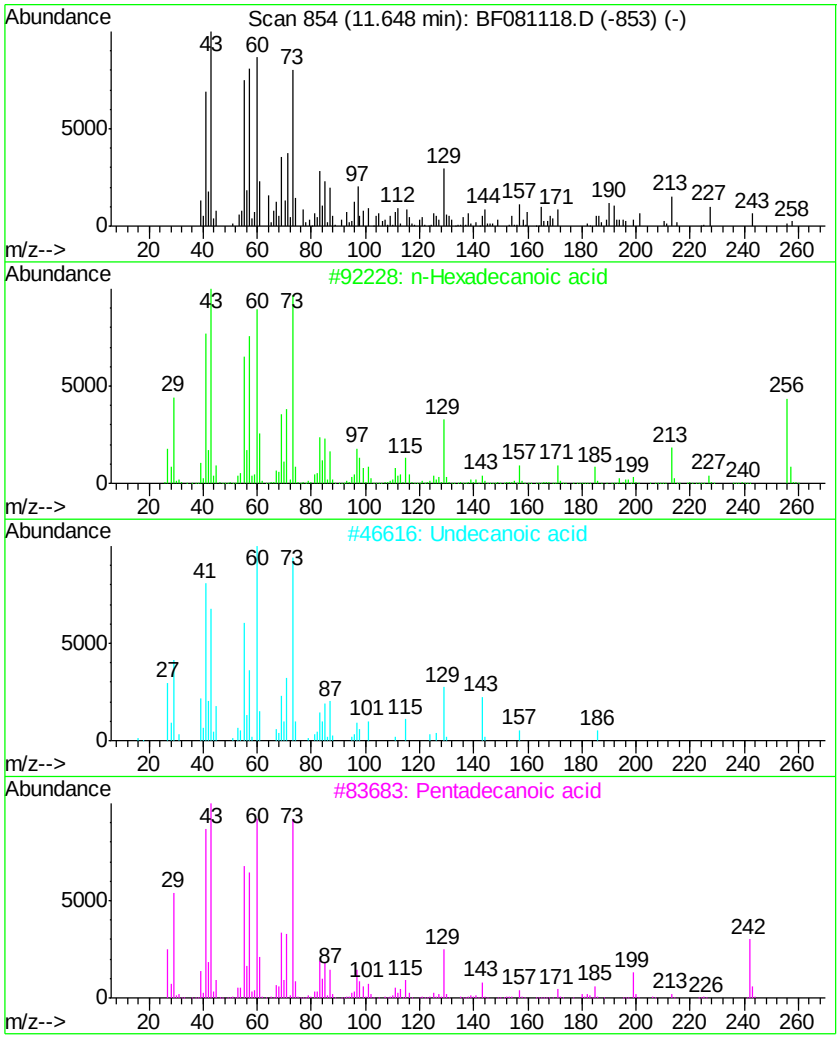
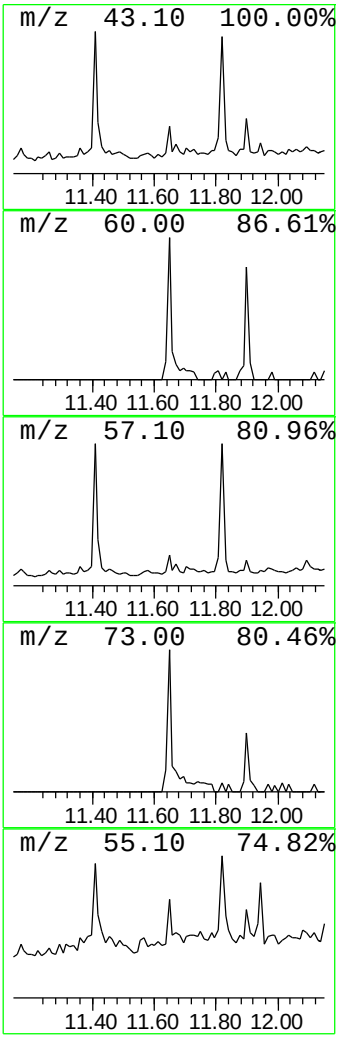
Peak Number 9 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	7.34 ng	177909	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Undecanoic acid	186	C11H22O2	000112-37-8	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	59
4	n-Decanoic acid	172	C10H20O2	000334-48-5	50
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	50





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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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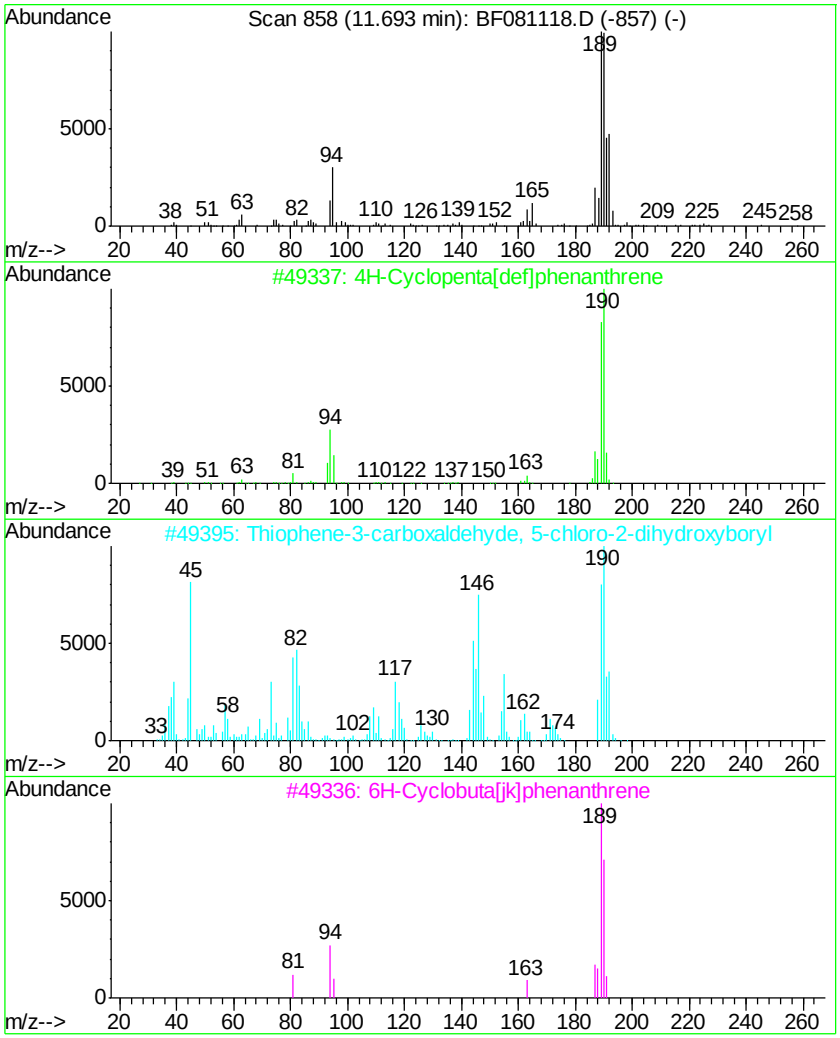
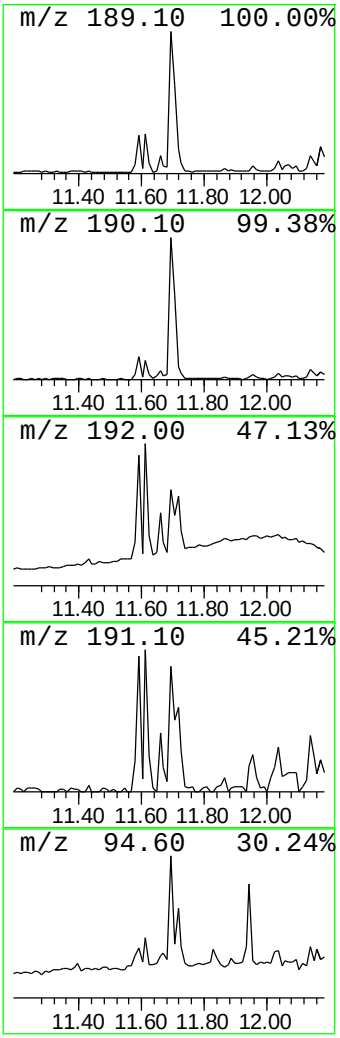
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	14.82 ng	358973	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	Propanoic acid, 2-(2,4-dichlorop...	378	C15H10Cl4O3	284488-02-4	17
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	11





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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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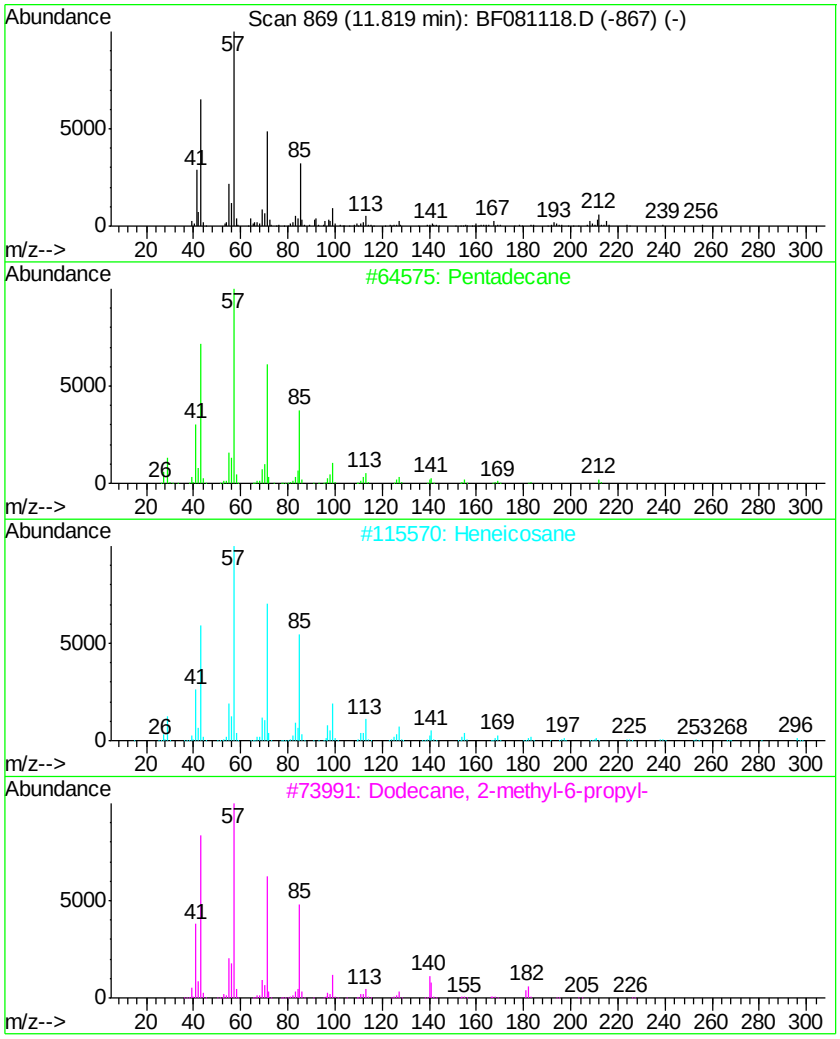
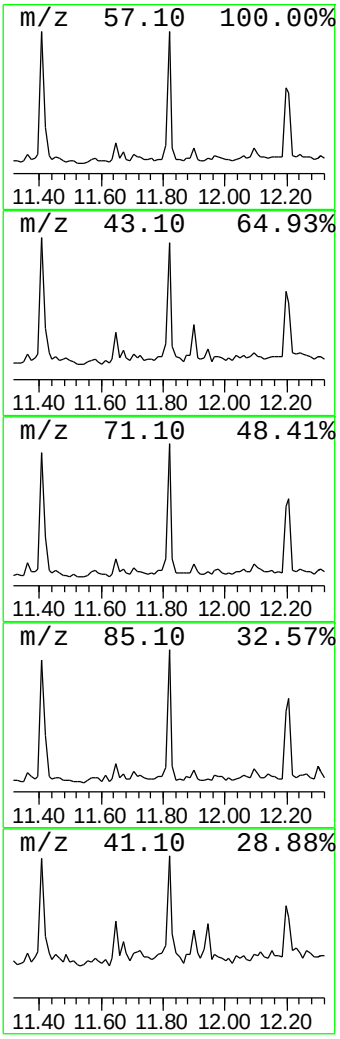
Peak Number 11 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	8.96 ng	216978	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	86
2	Heneicosane	296	C21H44	000629-94-7	80
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	64





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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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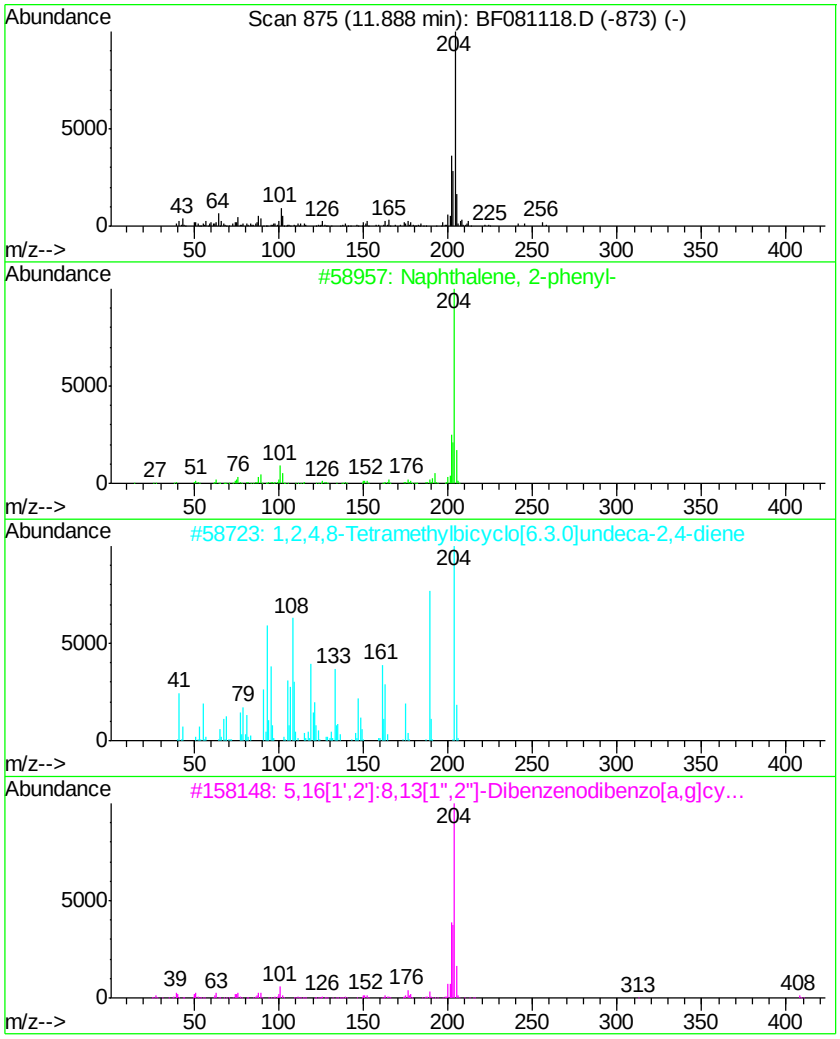
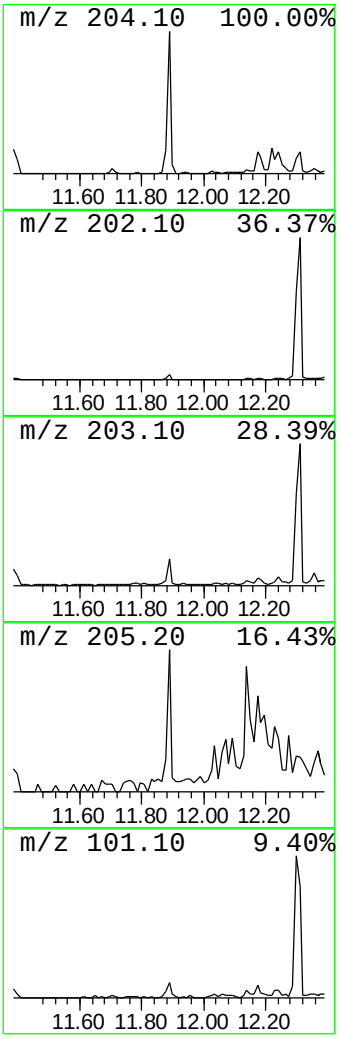
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.51 ng	230376	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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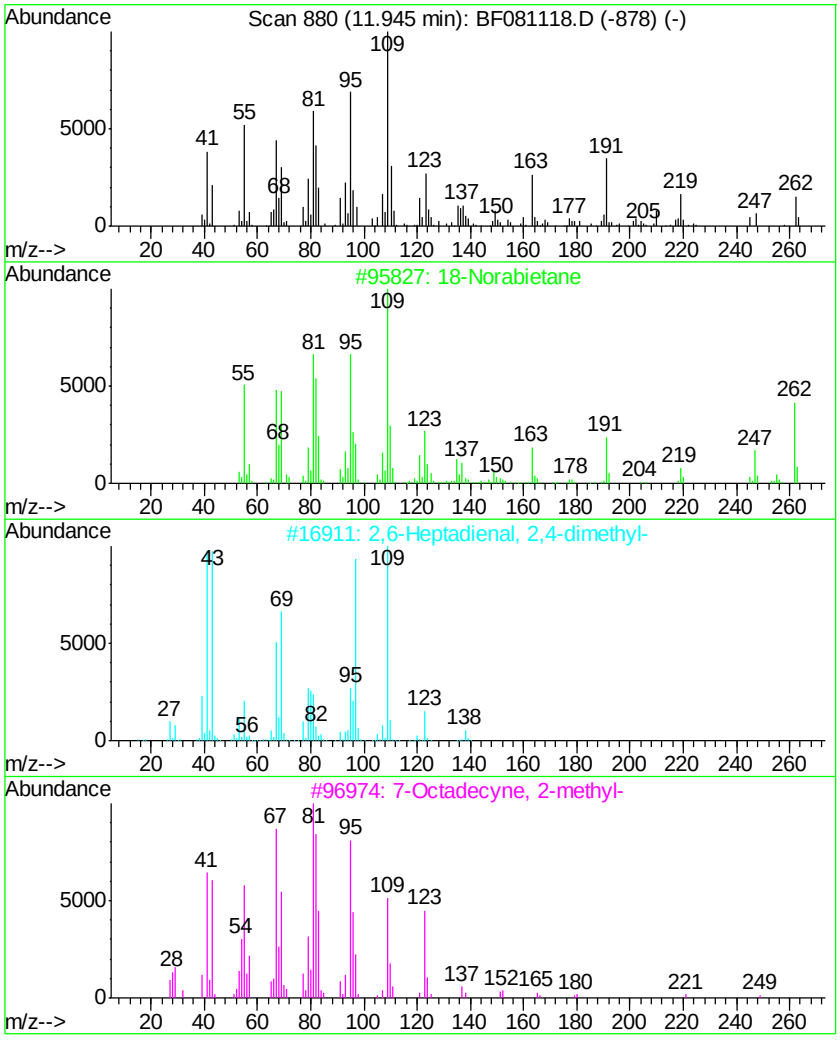
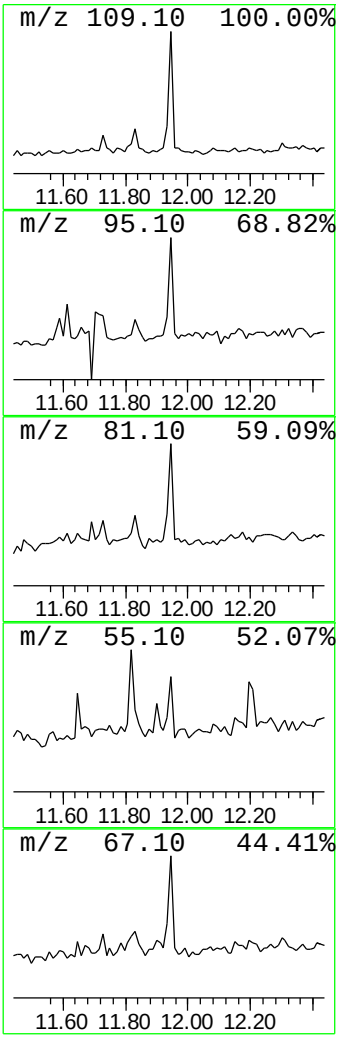
Peak Number 13 18-Norabietane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	4.87 ng	117948	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	93
2	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	46
3	7-Octadecyne, 2-methyl-	264	C19H36	035354-38-2	43
4	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	38
5	2-Amino-4-methylpyrimidine	109	C5H7N3	000108-52-1	38





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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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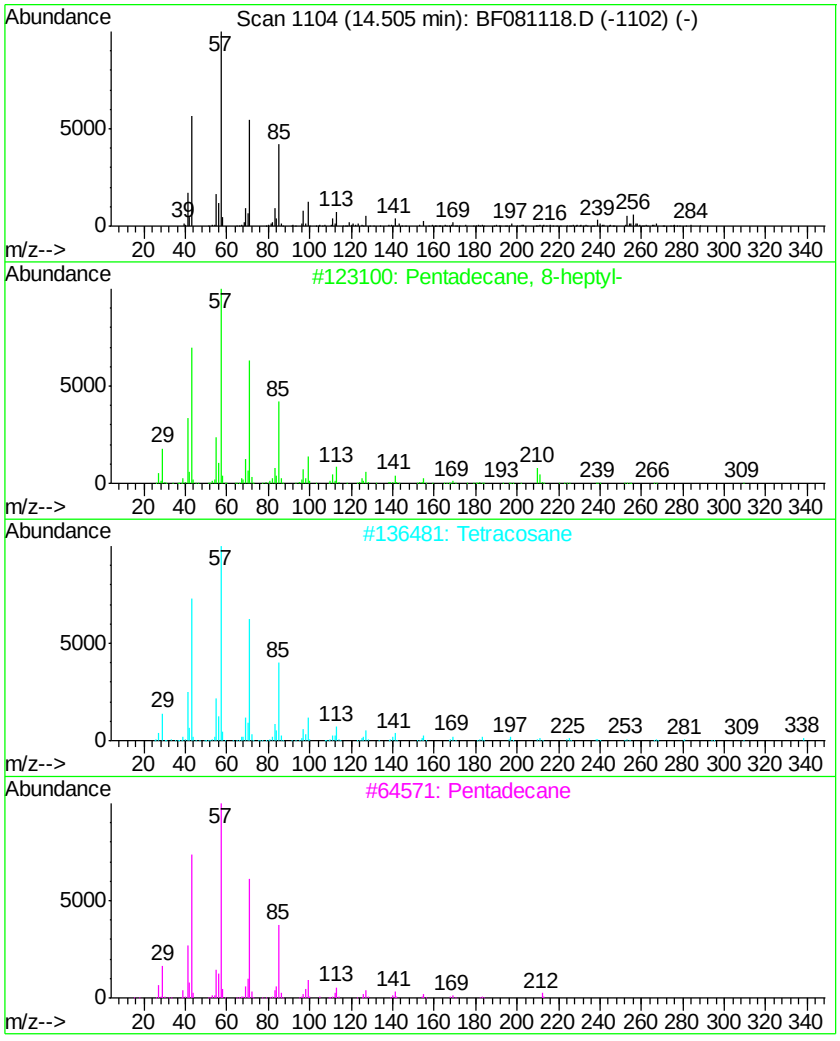
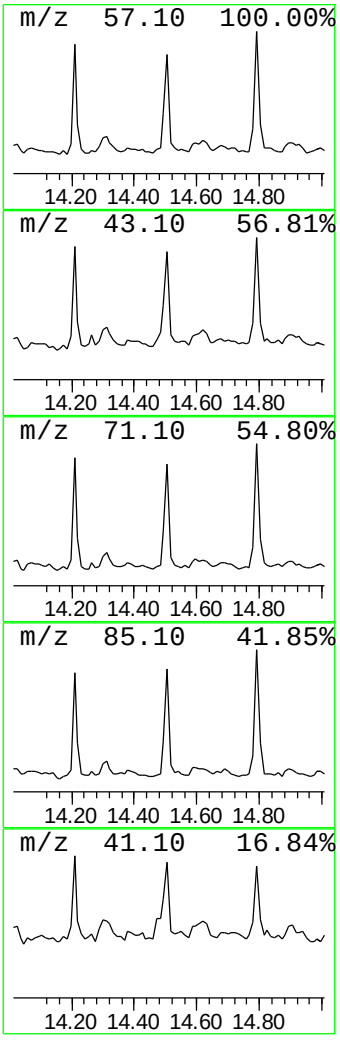
Peak Number 14 Pentadecane, 8-heptyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	12.43 ng	193945	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	83
2	Tetracosane	338	C24H50	000646-31-1	80
3	Pentadecane	212	C15H32	000629-62-9	80
4	Heneicosane	296	C21H44	000629-94-7	72
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	68





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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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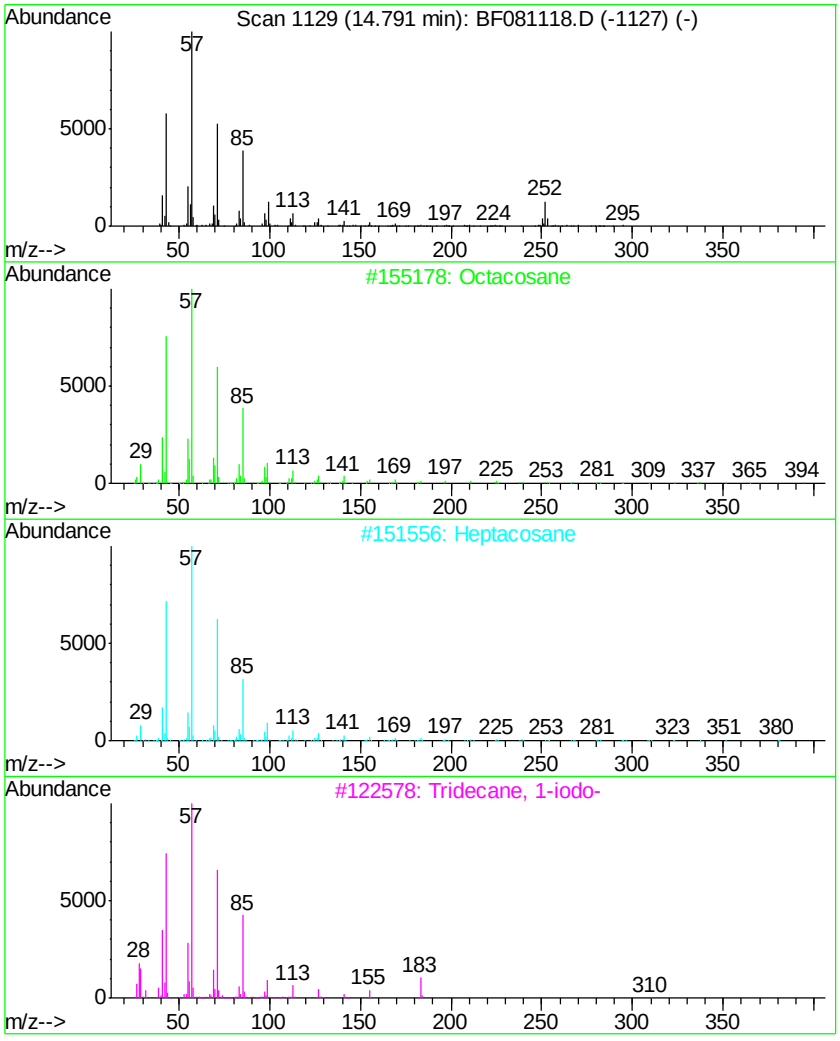
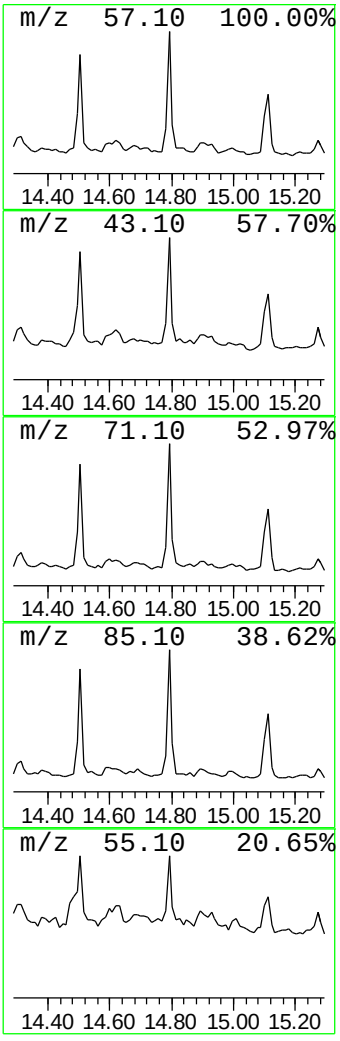
Peak Number 15 Octacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	15.51 ng	241898	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	Heptacosane	380	C27H56	000593-49-7	87
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	80
5	Octadecane	254	C18H38	000593-45-3	80





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Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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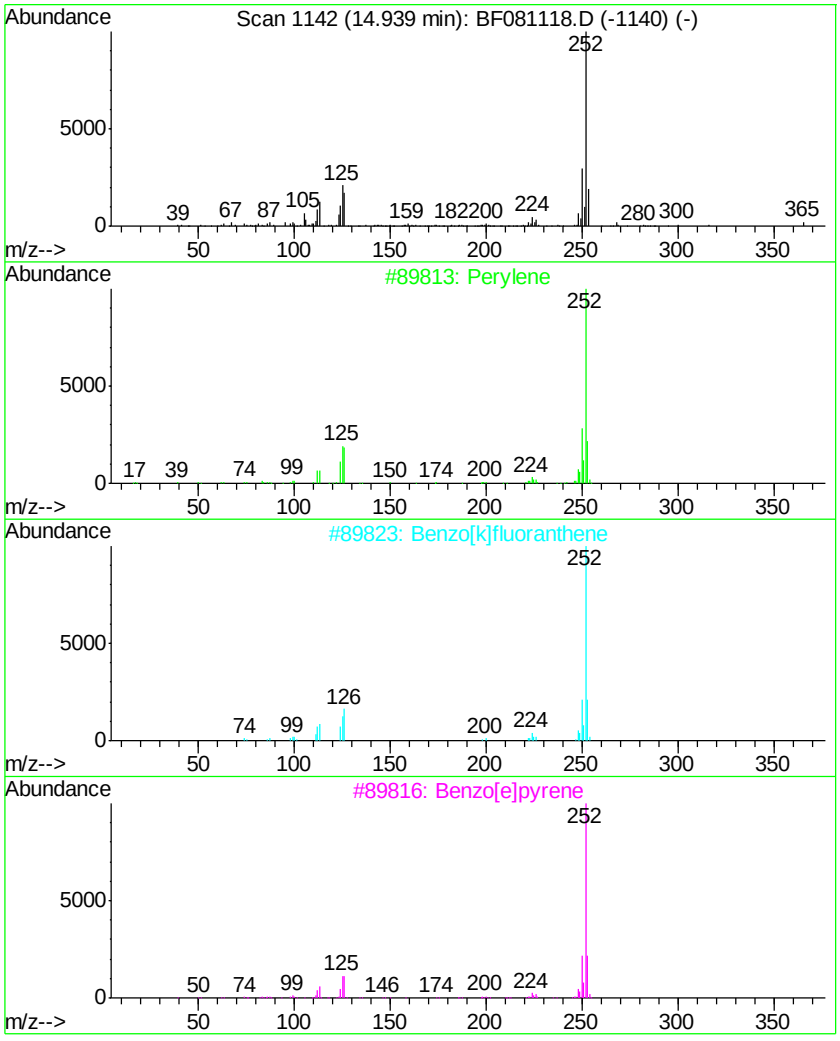
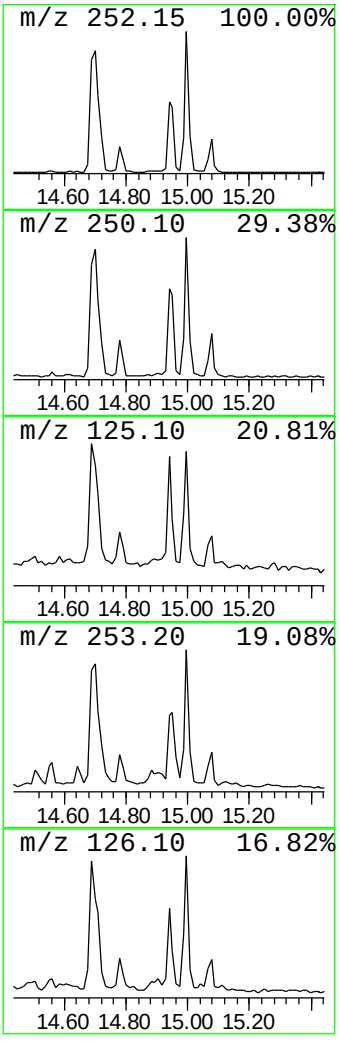
Peak Number 16 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	13.19 ng	205723	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96





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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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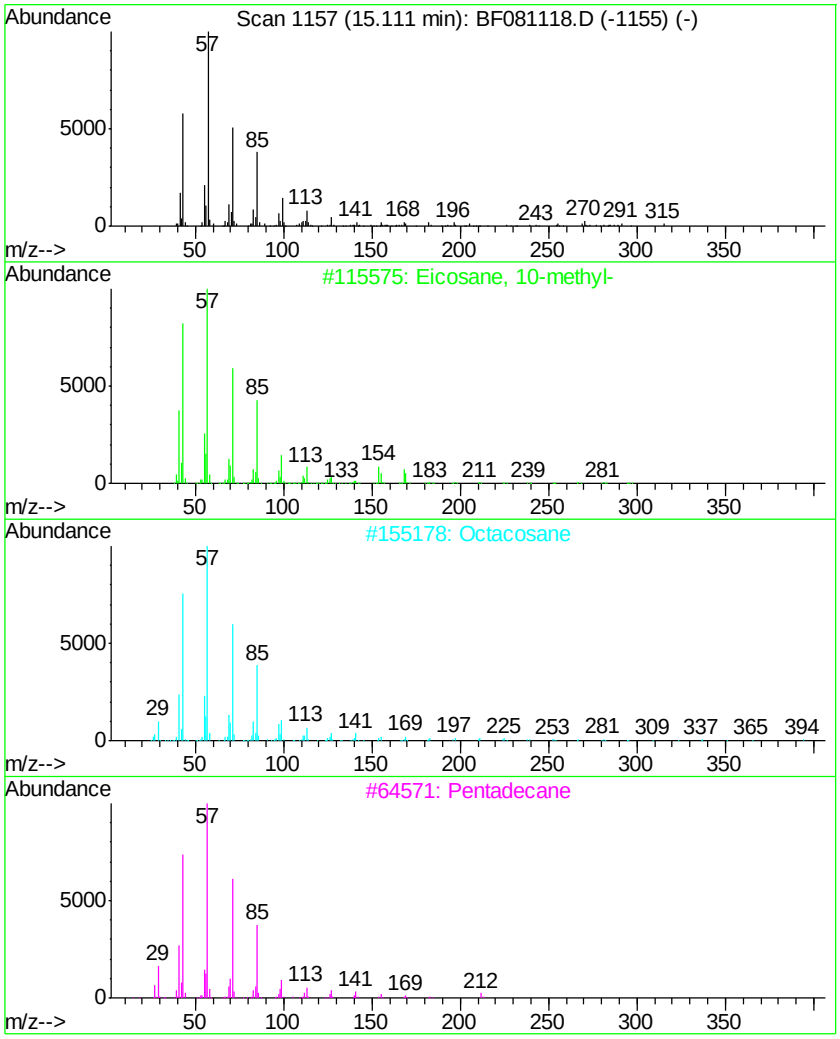
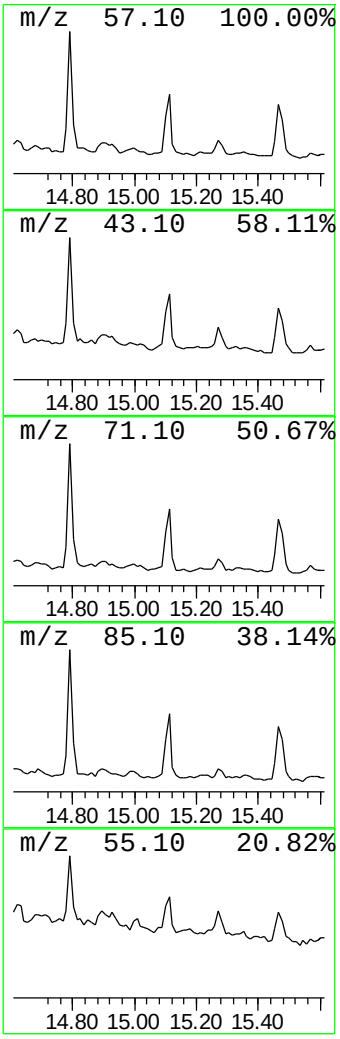
Peak Number 17 Eicosane, 10-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	10.20 ng	159047	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
2	Octacosane	394	C28H58	000630-02-4	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
5	Tetracosane	338	C24H50	000646-31-1	86





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Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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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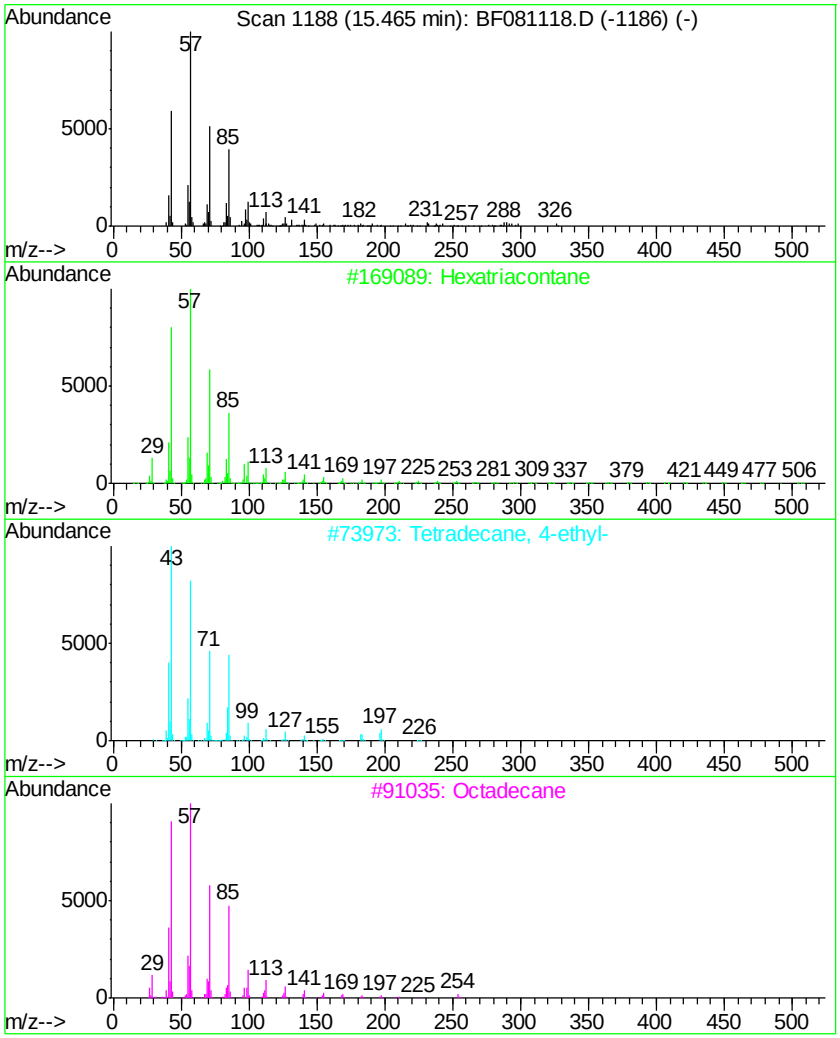
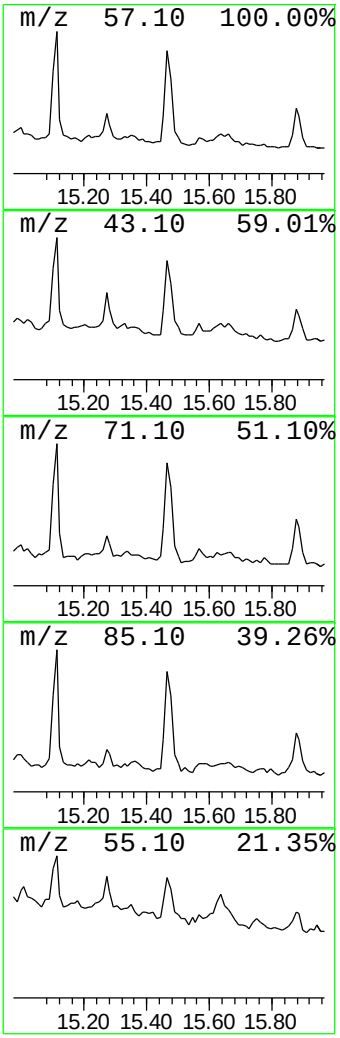
Peak Number 18 Hexatriacontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	14.46 ng	225552	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	83
2	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	83
3	Octadecane	254	C18H38	000593-45-3	81
4	Nonadecane	268	C19H40	000629-92-5	80
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081118.D
Acq On : 20 Aug 2015 10:20
Operator : UM/IZ
Sample : G3319-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCB-015CS-2(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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...	4.71	55.2	ng	1190420	1	6.58	431645	20.0
unknown6.36	6.36	89.0	ng	1921520	1	6.58	431645	20.0
Hexadecane	10.54	8.1	ng	196853	4	11.09	484448	20.0
1,4,5,8-Tetrameth...	10.84	5.9	ng	142564	4	11.09	484448	20.0
Naphtho[2,3-b]thi...	10.98	8.3	ng	200541	4	11.09	484448	20.0
Anthracene, 1-met...	11.59	5.6	ng	136646	4	11.09	484448	20.0
n-Hexadecanoic acid	11.65	7.3	ng	177909	4	11.09	484448	20.0
4H-Cyclopenta[def...	11.69	14.8	ng	358973	4	11.09	484448	20.0
Pentadecane	11.82	9.0	ng	216978	4	11.09	484448	20.0
Naphthalene, 2-ph...	11.89	9.5	ng	230376	4	11.09	484448	20.0
18-Norabietane	11.94	4.9	ng	117948	4	11.09	484448	20.0
Pentadecane, 8-he...	14.51	12.4	ng	193945	6	15.05	311975	20.0
Octacosane	14.79	15.5	ng	241898	6	15.05	311975	20.0
Perylene	14.94	13.2	ng	205723	6	15.05	311975	20.0
Eicosane, 10-methyl-	15.11	10.2	ng	159047	6	15.05	311975	20.0
Hexatriacontane	15.47	14.5	ng	225552	6	15.05	311975	20.0