LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

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-BF121315.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	5.116	262	265	269	rBV	502096	659745	20.50%	2.091%
2	5.527	298	301	304	rVB	2441290	2821353	87.66%	8.943%
3	6.453	379	382	386	rVV4	24479	63387	1.97%	0.201%
4	6.544	386	390	393	rBV	2042263	3062282	95.15%	9.707%
5	6.693	400	403	405	rBV	2698257	3218431	100.00%	10.202%
6	6.762	406	409	414	rVB2	99298	183867	5.71%	0.583%
7	6.922	420	423	424	rBV	674983	609390	18.93%	1.932%
8	6.979	427	428	431	rVV	114532	109882	3.41%	0.348%
9	7.082	434	437	439	rVV	2443539	2559628	79.53%	8.114%
10	7.207	446	448	449	rVB2	61062	83372	2.59%	0.264%
11	7.242	449	451	452	rBV2	102340	93704	2.91%	0.297%
12	7.265	452	453	456	rVV	28715	35549	1.10%	0.113%
13	7.322	456	458	460	rVB	109127	97883	3.04%	0.310%
14	7.482	468	472	473	rBV	1937661	2127661	66.11%	6.744%
15	7.527	473	476	478	rVV	239686	222478	6.91%	0.705%
16	7.573	478	480	482	rVB2	47981	70574	2.19%	0.224%
17	7.699	488	491	492	rBV	52724	85457	2.66%	0.271%
18	7.722	492	493	495	rVB	77775	68015	2.11%	0.216%
19	7.950	509	513	517	rVV4	60190	144354	4.49%	0.458%
20	8.019	517	519	522	rVB4	20568	41771	1.30%	0.132%
21	8.202	533	535	536	rBV	894934	780422	24.25%	2.474%
22	9.276	626	629	632	rBV	2827535	2842510	88.32%	9.010%
23	9.539	649	652	655	rBV	24784	34618	1.08%	0.110%
24	9.665	661	663	666	rVB	541897	579888	18.02%	1.838%
25	9.893	681	683	686	rBV2	68369	55872	1.74%	0.177%
26	9.951	686	688	691	rBV	648244	723769	22.49%	2.294%
27	10.156	705	706	707	rBV	46291	34055	1.06%	0.108%
28	10.191	707	709	713	rVB2	18002	38340	1.19%	0.122%
29	10.396	722	727	728	rBV2	91846	122423	3.80%	0.388%
30	10.613	743	746	748	rBV	37734	54169	1.68%	0.172%
31	10.739	754	757	759	rBV	1819348	1759889	54.68%	5.579%
32	10.831	763	765	767	rBV	84806	85325	2.65%	0.270%
33	10.865	767	768	773	rVB	168559	160241	4.98%	0.508%
34	11.071	782	786	787	rBV4	15895	35079	1.09%	0.111%

LSC Area Percent Report

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Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

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-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.105	787	789	792	rVB3	18156	34708	1.08%	0.110%
36	11.311	806	807	809	rBV	106536	89446	2.78%	0.284%
37	11.436	816	818	819	rBV	734137	695001	21.59%	2.203%
38	11.459	819	820	821	rVV	79984	55272	1.72%	0.175%
39	11.494	821	823	825	rVB3	24134	34721	1.08%	0.110%
40	11.734	843	844	848	rVB3	42620	69219	2.15%	0.219%
41	11.962	863	864	866	rVV2	128313	151504	4.71%	0.480%
42	12.042	869	871	876	rVV	32741	58378	1.81%	0.185%
43	12.145	876	880	881	rVV2	35572	60895	1.89%	0.193%
44	12.225	885	887	892	rVB4	17122	38346	1.19%	0.122%
45	12.477	908	909	911	rBV	36446	50785	1.58%	0.161%
46	12.534	911	914	915	rVV2	18475	32372	1.01%	0.103%
47	12.637	921	923	925	rBV	85464	97046	3.02%	0.308%
48	12.762	931	934	936	rBV3	17979	36367	1.13%	0.115%
49	12.842	939	941	945	rVV2	300883	399008	12.40%	1.265%
50	12.922	945	948	950	rVB3	84024	106579	3.31%	0.338%
51	13.014	954	956	959	rVB	2005011	2398746	74.53%	7.604%
52	13.254	976	977	979	rVB2	40220	40700	1.26%	0.129%
53	13.494	994	998	1000	rBV2	27912	56003	1.74%	0.178%
54	13.551	1000	1003	1004	rBV	230079	219620	6.82%	0.696%
55	13.688	1013	1015	1022	rBV3	33609	56068	1.74%	0.178%
56	13.802	1022	1025	1027	rBV4	24757	51794	1.61%	0.164%
57	13.917	1033	1035	1038	rBV3	133644	214356	6.66%	0.679%
58	14.065	1045	1048	1050	rBV	731652	845701	26.28%	2.681%
59	14.237	1061	1063	1065	rBV	81523	92530	2.88%	0.293%
60	14.545	1088	1090	1094	rBV	157303	178326	5.54%	0.565%
61	14.842	1114	1116	1120	rBV	62030	82412	2.56%	0.261%
62	14.922	1120	1123	1126	rVB	103293	113410	3.52%	0.359%
63	14.991	1126	1129	1131	rVB	39978	58605	1.82%	0.186%
64	15.082	1135	1137	1143	rBV	36834	99015	3.08%	0.314%
65	15.185	1143	1146	1151	rBV2	91274	191151	5.94%	0.606%
66	15.380	1161	1163	1166	rVB	29070	40424	1.26%	0.128%
67	15.437	1166	1168	1171	rVB	26146	36466	1.13%	0.116%
68	15.505	1171	1174	1176	rBV	413295	549930	17.09%	1.743%
69	15.551	1176	1178	1181	rVB2	41045	60408	1.88%	0.191%
70	15.745	1193	1195	1200	rBV2	46217	82971	2.58%	0.263%
71	15.985	1213	1216	1218	rBV	57299	78401	2.44%	0.249%

LSC Area Percent Report

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Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

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-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.763	1281	1284	1288	rVB2	57529	112177	3.49%	0.356%
73	17.071	1308	1311	1313	rBV	21236	42251	1.31%	0.134%
74	17.528	1348	1351	1356	rBV6	25107	62981	1.96%	0.200%
75	18.591	1442	1444	1451	rVB3	37734	107496	3.34%	0.341%

Sum of corrected areas: 31546972

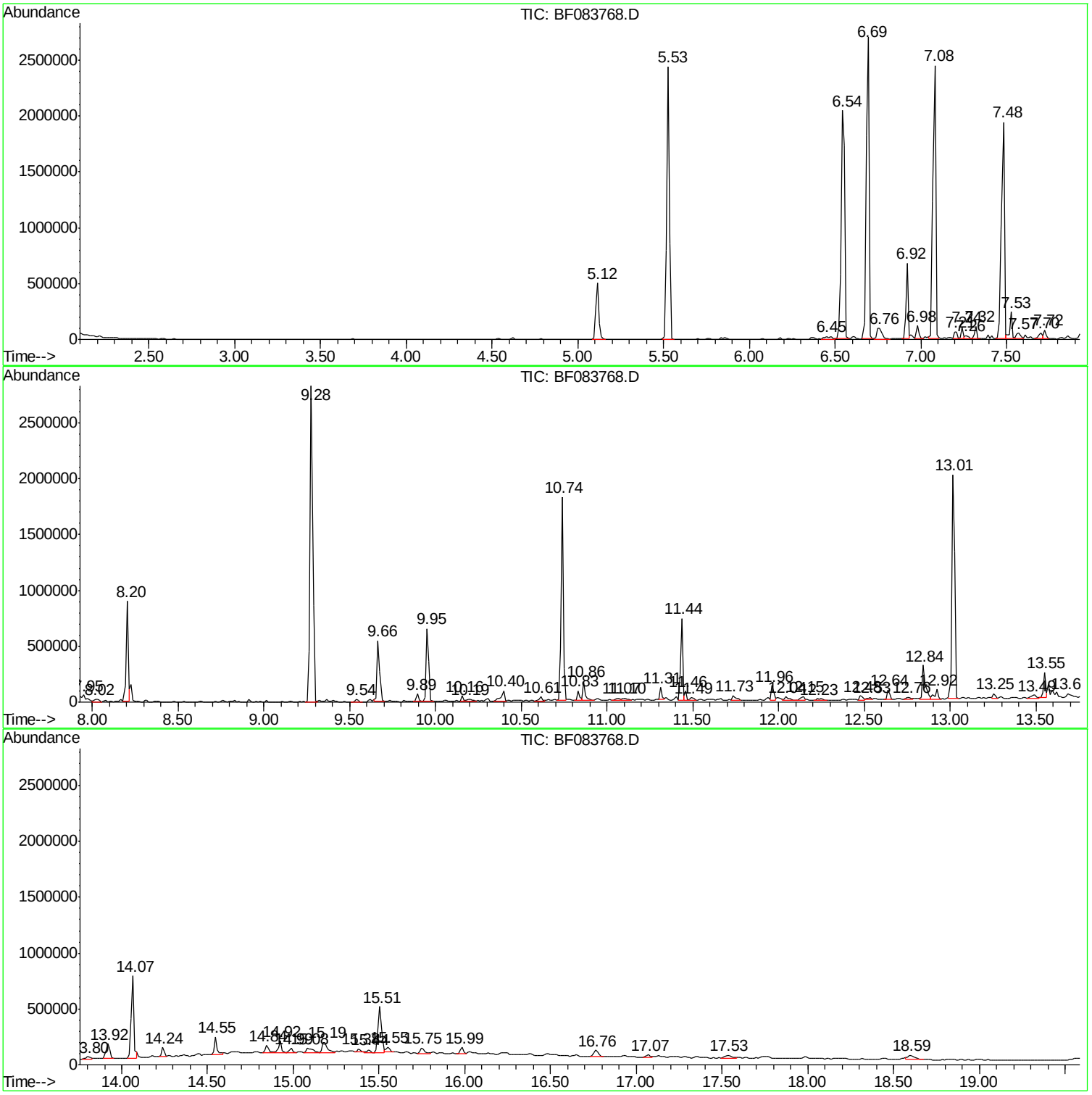
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
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Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

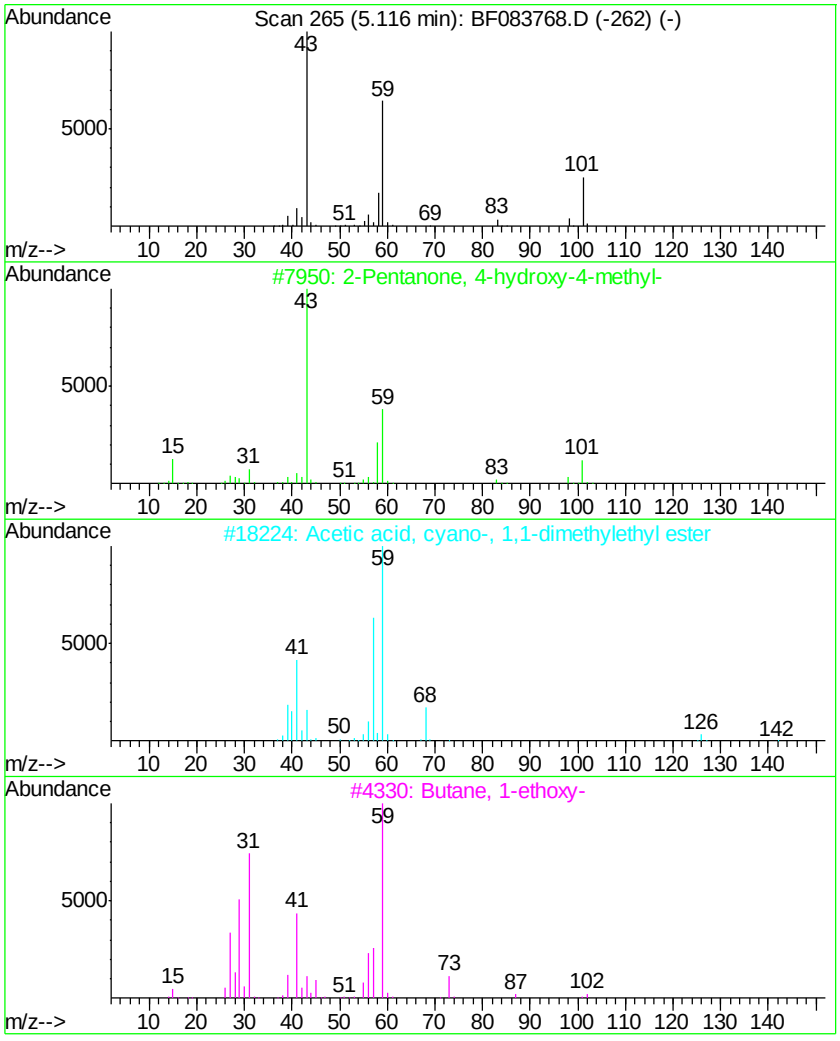
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

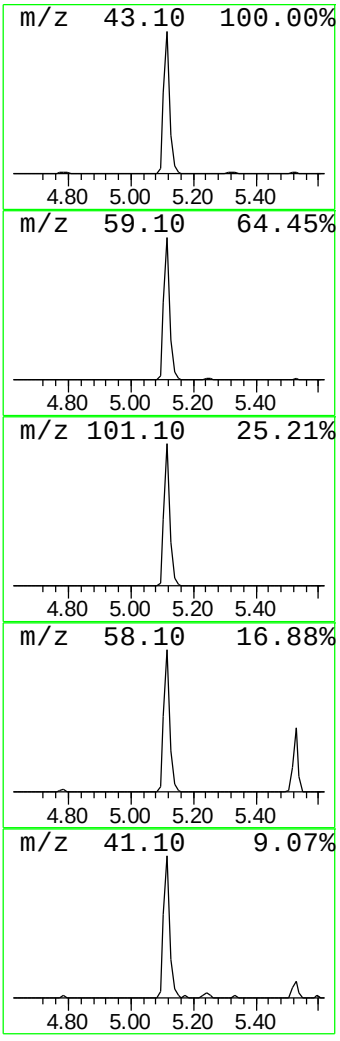
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	21.65 ng	659745	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

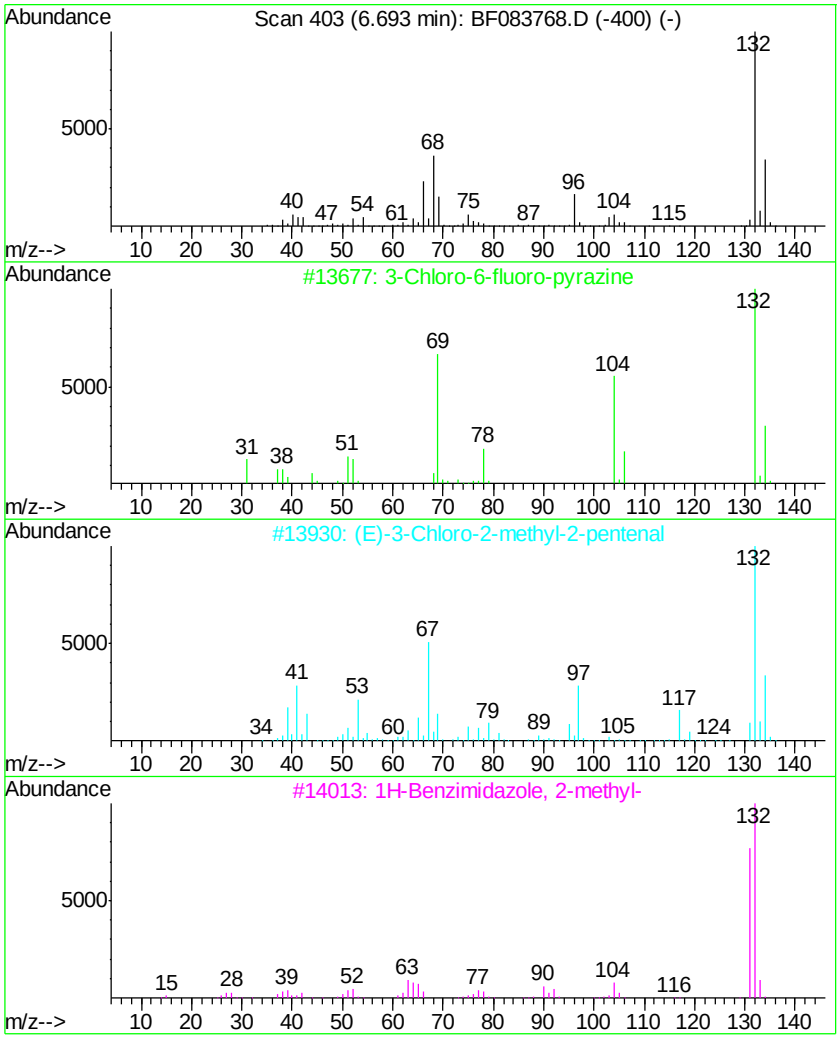
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

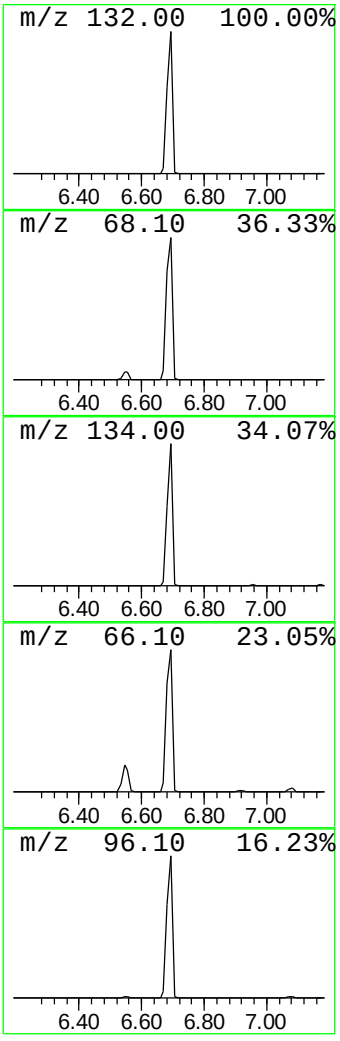
****

Peak Number 2 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	105.63 ng	3218430	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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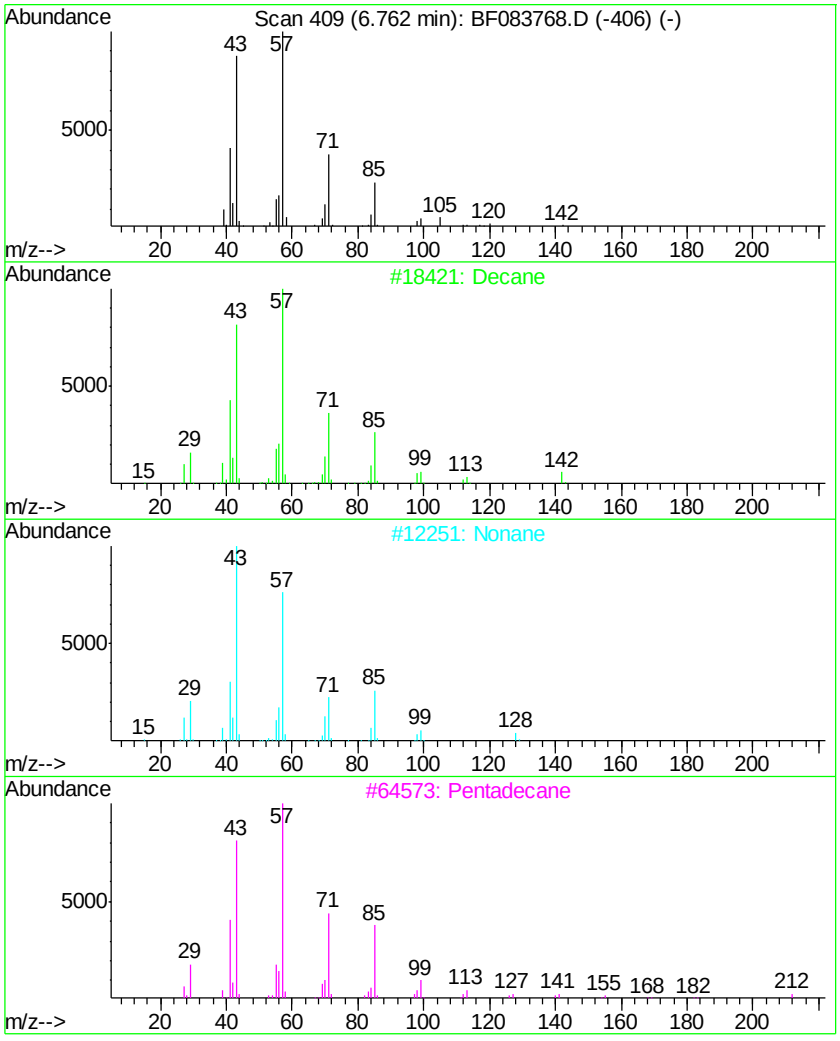
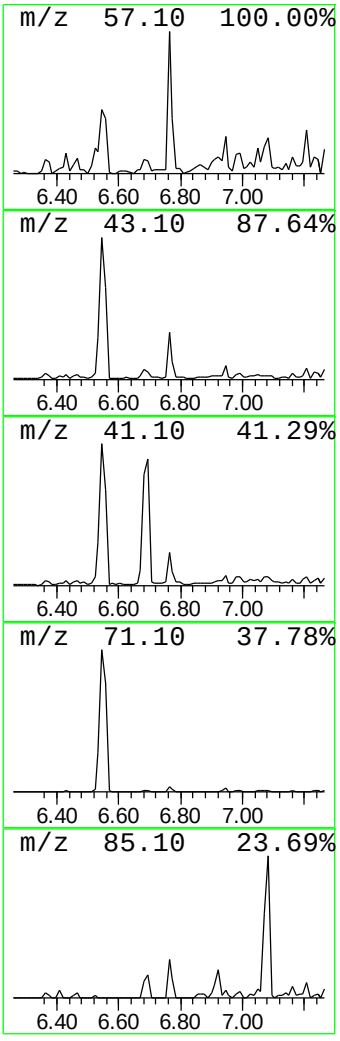
Peak Number 3 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	6.03 ng	183867	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Nonane	128	C9H20	000111-84-2	90
3	Pentadecane	212	C15H32	000629-62-9	78
4	Tridecane	184	C13H28	000629-50-5	78
5	Eicosane	282	C20H42	000112-95-8	78





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Data File : BF083768.D
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Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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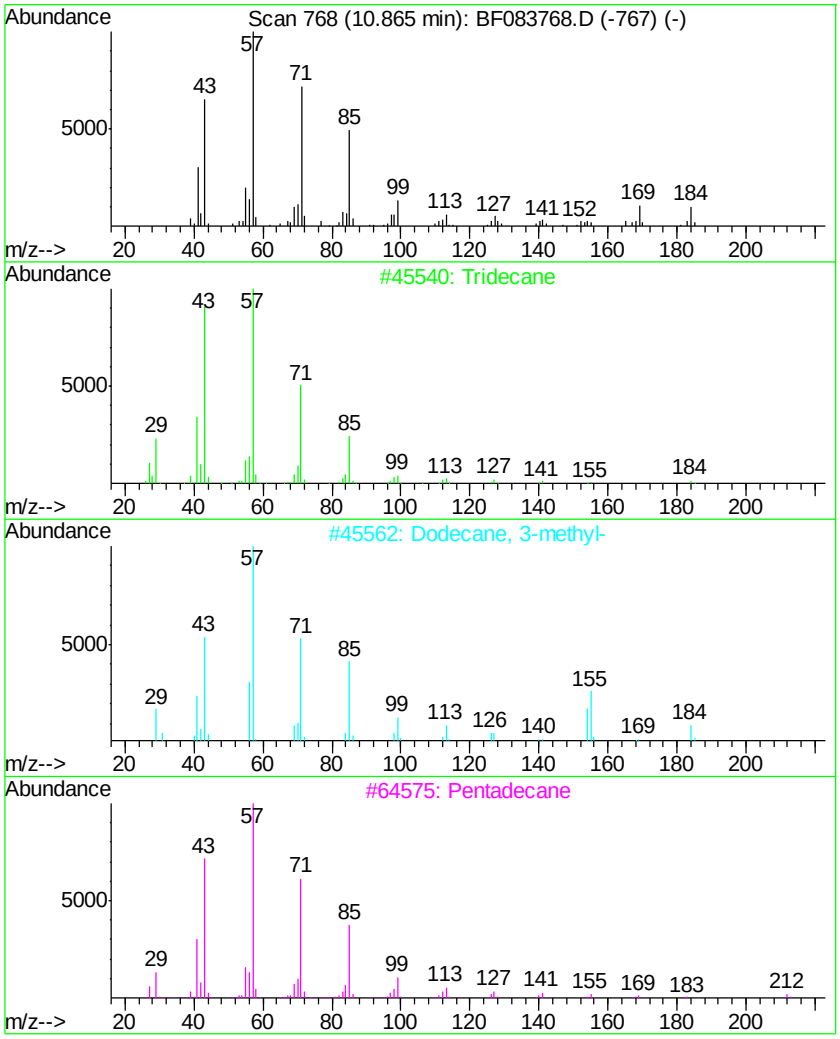
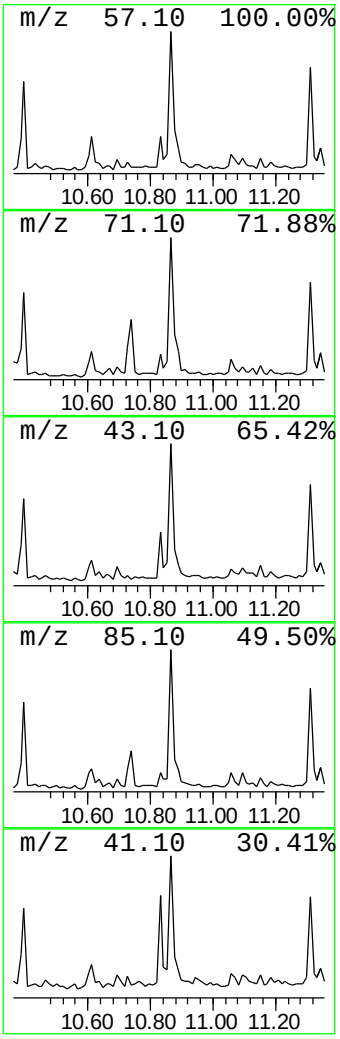
Peak Number 5 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	4.61 ng	160241	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	87
3	Pentadecane	212	C15H32	000629-62-9	83
4	Heptadecane	240	C17H36	000629-78-7	83
5	Octadecane	254	C18H38	000593-45-3	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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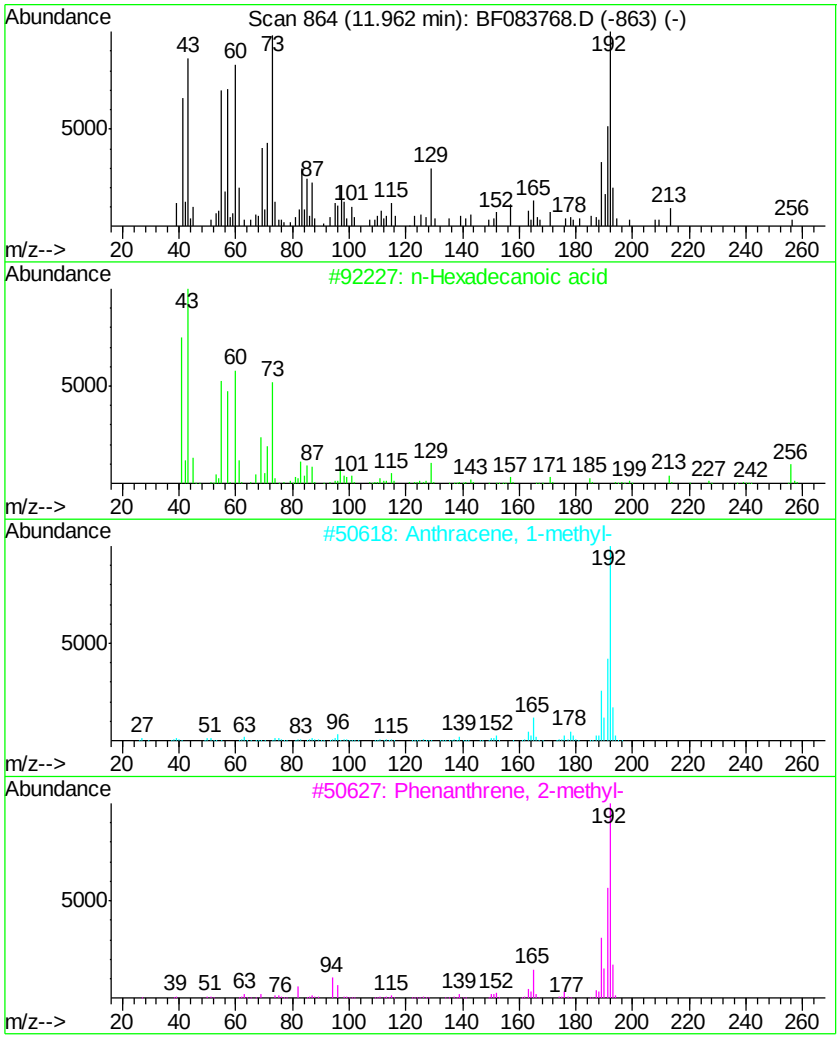
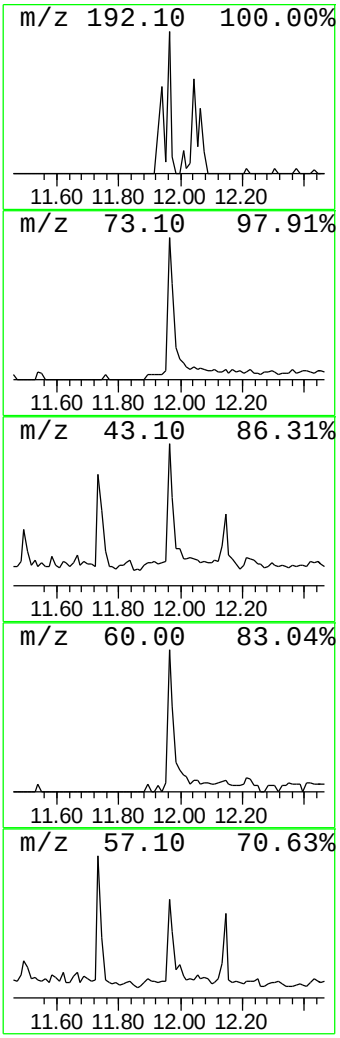
Peak Number 6 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.36 ng	151504	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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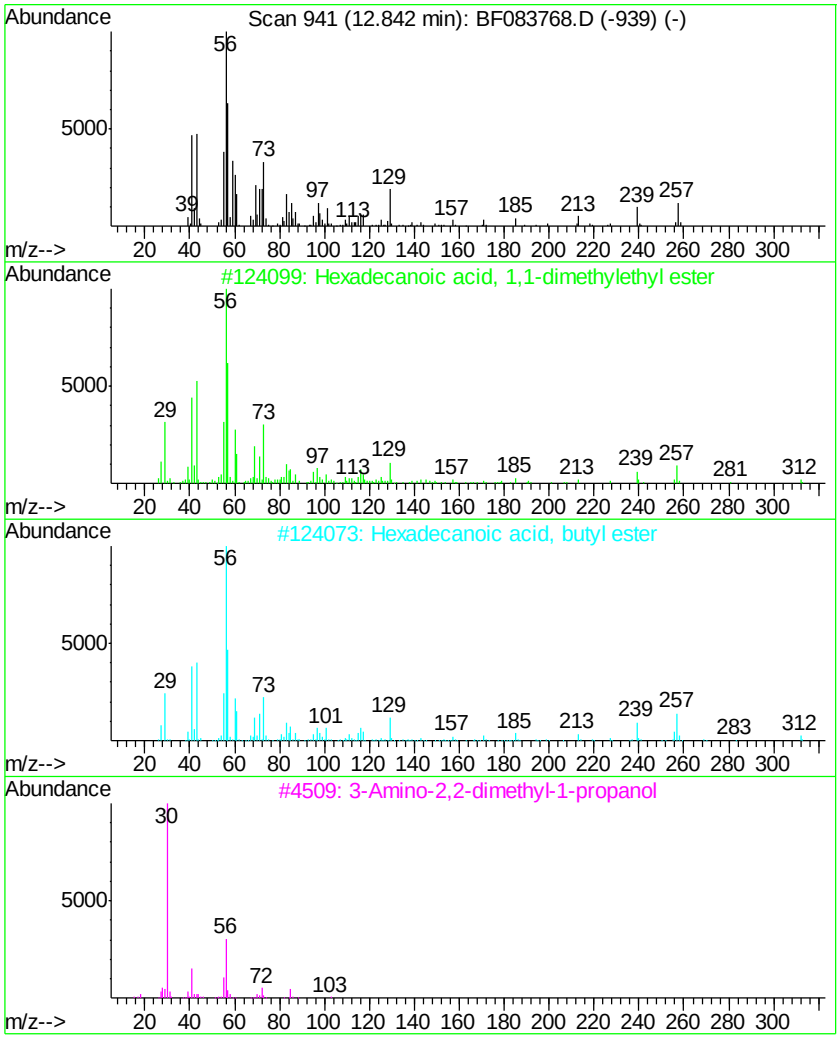
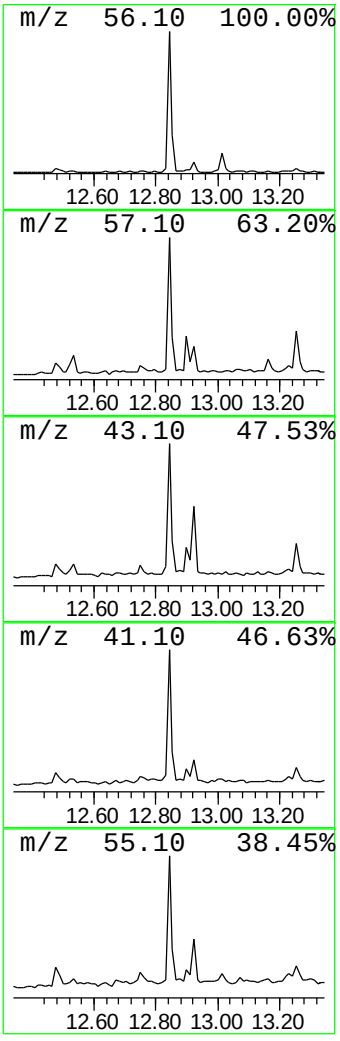
Peak Number 7 Hexadecanoic acid, 1,1-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	9.44 ng	399008	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	81
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	81
3	3-Amino-2,2-dimethyl-1-propanol	103	C5H13NO	026734-09-8	35
4	Urea, N,N'-di-2-propenyl-	140	C7H12N2O	001801-72-5	35
5	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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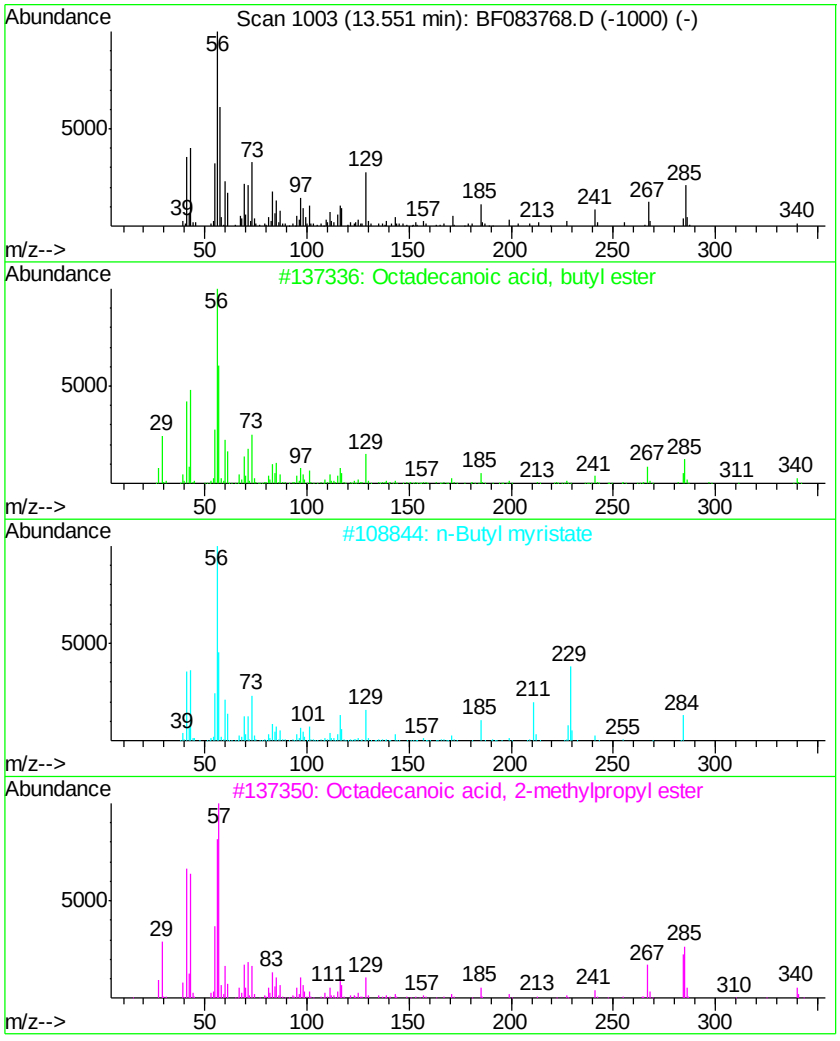
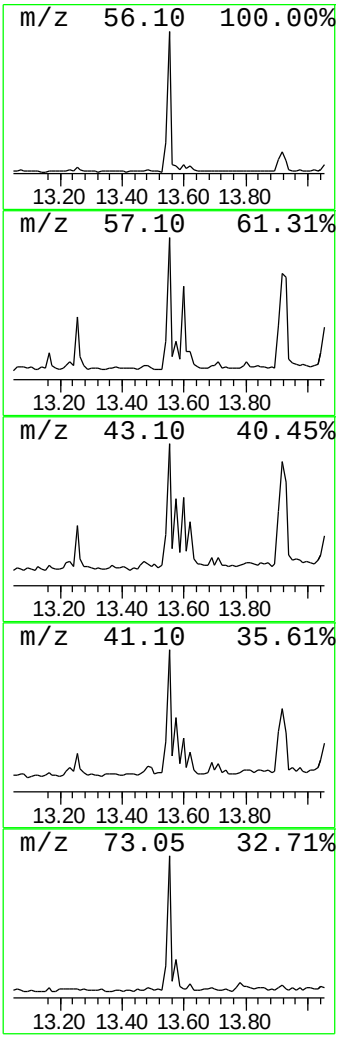
Peak Number 8 Octadecanoic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	5.19 ng	219620	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	96
2	n-Butyl myristate	284	C18H36O2	000110-36-1	64
3	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	38
4	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	38
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	30





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Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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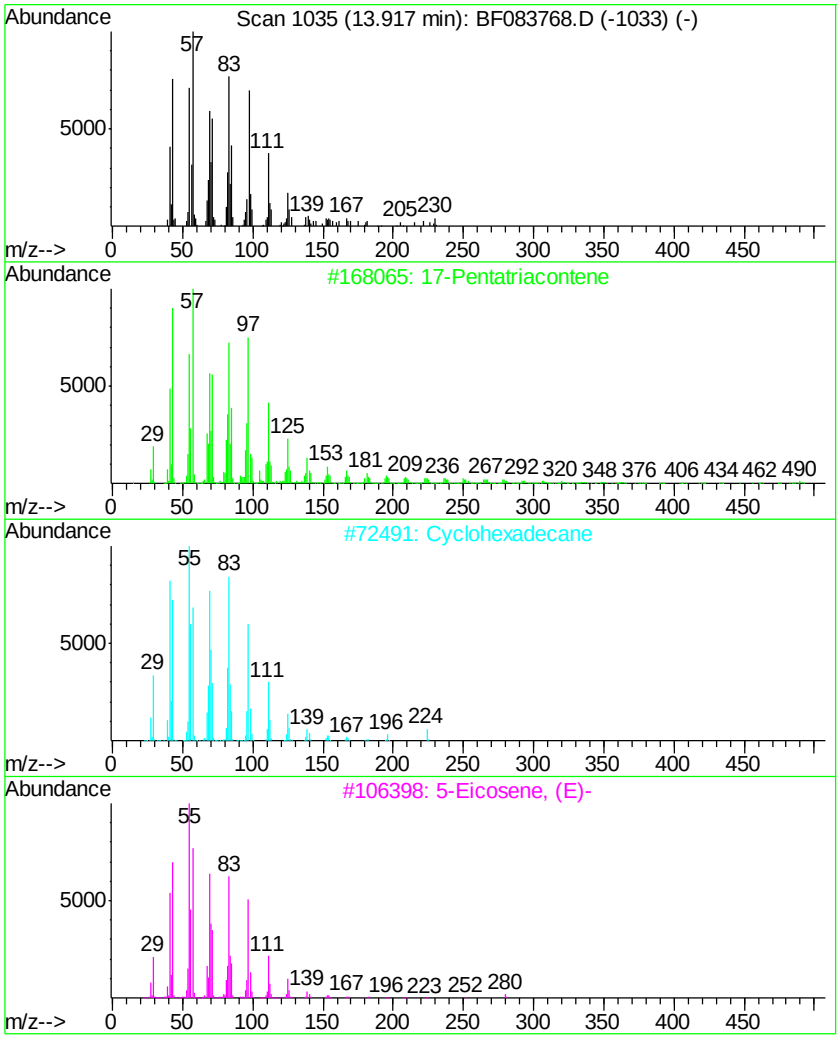
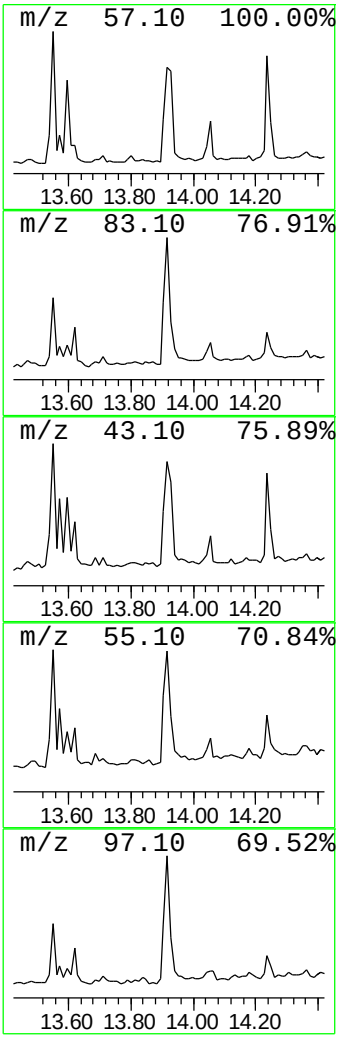
Peak Number 9 17-Pentatriacontene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	5.07 ng	214356	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	91
2	Cyclohexadecane	224	C16H32	000295-65-8	74
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	74
4	11-Tricosene	322	C23H46	052078-56-5	74
5	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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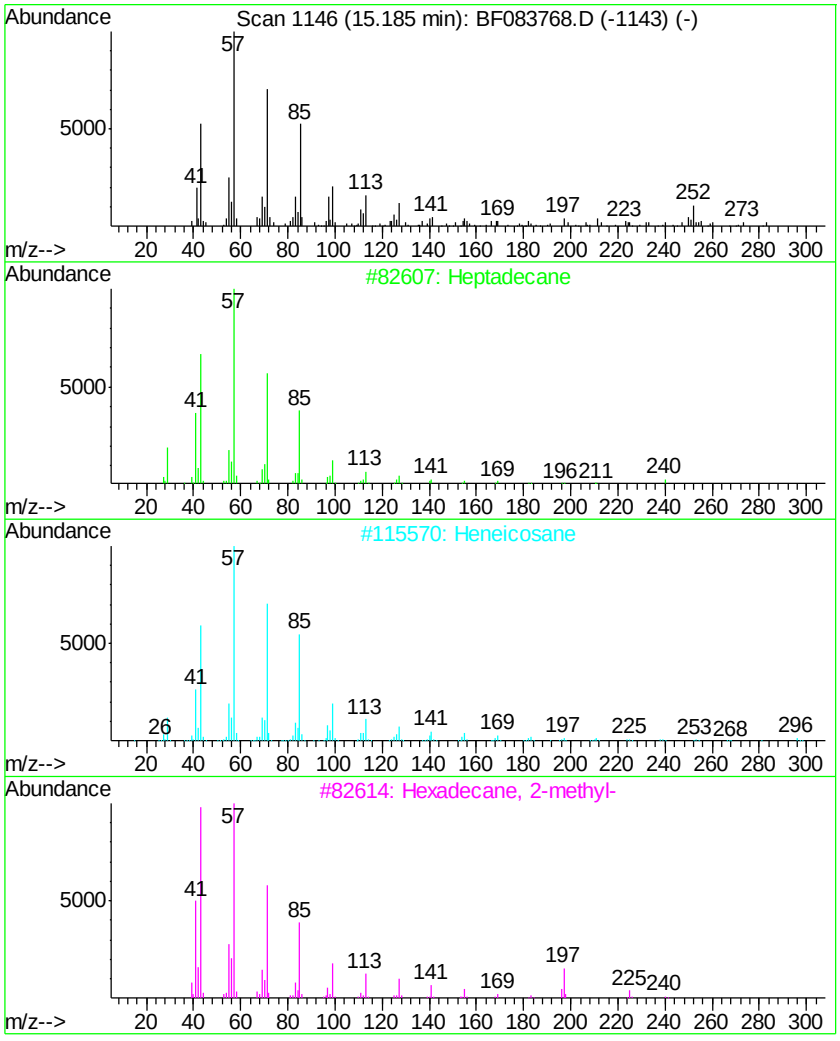
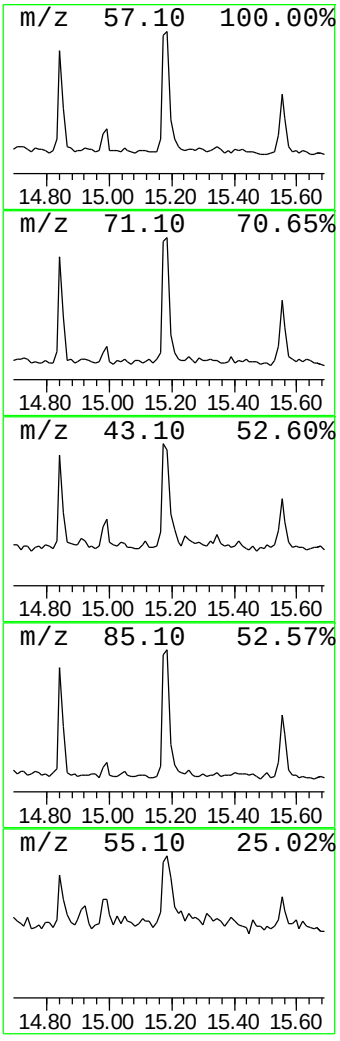
Peak Number 10 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	6.95 ng	191151	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Heneicosane	296	C21H44	000629-94-7	87
3	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	87
4	Hentriacontane	437	C31H64	000630-04-6	86
5	Tetracontane	563	C40H82	004181-95-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
Data File : BF083768.D
Acq On : 14 Dec 2015 9:45
Operator : UM/IZ
Sample : G4648-17
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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...	5.12	21.6	ng	659745	1	6.92	609390	20.0
unknown6.69	6.69	105.6	ng	3218430	1	6.92	609390	20.0
Decane	6.76	6.0	ng	183867	1	6.92	609390	20.0
Tridecane	10.86	4.6	ng	160241	4	11.44	695001	20.0
n-Hexadecanoic acid	11.96	4.4	ng	151504	4	11.44	695001	20.0
Hexadecanoic acid...	12.84	9.4	ng	399008	5	14.07	845701	20.0
Octadecanoic acid...	13.55	5.2	ng	219620	5	14.07	845701	20.0
17-Pentatriacontene	13.92	5.1	ng	214356	5	14.07	845701	20.0
Heptadecane	15.19	7.0	ng	191151	6	15.51	549930	20.0