LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

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-BF050916.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	4.853	239	242	250	rBV	445852	748789	15.07%	1.558%
2	5.287	278	280	283	rBV	3463033	4566835	91.92%	9.501%
3	5.687	314	315	320	rVB	60780	74759	1.50%	0.156%
4	6.350	370	373	380	rBV	4280052	4843902	97.50%	10.077%
5	6.464	380	383	385	rBV	4999403	4968037	100.00%	10.335%
6	6.693	400	403	405	rBV	868318	1129076	22.73%	2.349%
7	6.842	414	416	419	rBV	3214213	3257781	65.57%	6.777%
8	7.265	450	453	455	rBV	3322625	3588423	72.23%	7.465%
9	7.390	461	464	469	rVB	57160	93953	1.89%	0.195%
10	7.973	513	515	518	rBV	1671144	1541532	31.03%	3.207%
11	9.059	607	610	612	rBV	3994650	4701981	94.64%	9.782%
12	9.459	642	645	647	rBV	604071	826539	16.64%	1.719%
13	9.665	661	663	665	rBV	265705	217700	4.38%	0.453%
14	9.722	666	668	670	rVV	1698781	1620992	32.63%	3.372%
15	9.893	680	683	685	rBV2	48291	90105	1.81%	0.187%
16	9.985	689	691	693	rVV	72762	68072	1.37%	0.142%
17	10.019	693	694	698	rVV2	41577	54490	1.10%	0.113%
18	10.168	703	707	708	rVV	310621	349532	7.04%	0.727%
19	10.271	714	716	719	rVB3	35846	55729	1.12%	0.116%
20	10.385	722	726	729	rBV	117557	206118	4.15%	0.429%
21	10.511	734	737	740	rBV2	2694767	3186144	64.13%	6.628%
22	10.636	745	748	755	rVB	373570	503968	10.14%	1.048%
23	10.831	762	765	769	rVB2	51339	124519	2.51%	0.259%
24	10.956	774	776	783	rVB3	36347	86168	1.73%	0.179%
25	11.082	783	787	788	rBV	212914	222791	4.48%	0.463%
26	11.105	788	789	793	rVB	64901	73728	1.48%	0.153%
27	11.208	795	798	801	rVV	1114044	1745063	35.13%	3.630%
28	11.276	801	804	806	rVB2	70299	105905	2.13%	0.220%
29	11.505	822	824	826	rBV	90255	81575	1.64%	0.170%
30	11.699	839	841	842	rBV	41839	51298	1.03%	0.107%
31	11.745	842	845	847	rVV2	260137	303133	6.10%	0.631%
32	11.814	849	851	856	rVB3	80993	145721	2.93%	0.303%
33	11.894	856	858	861	rBV3	41823	74553	1.50%	0.155%
34	11.996	864	867	869	rVB2	36871	82602	1.66%	0.172%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.145	878	880	882	rBV	72751	65933	1.33%	0.137%
36	12.294	891	893	895	rVB2	42403	60485	1.22%	0.126%
37	12.408	901	903	905	rBV	274780	252800	5.09%	0.526%
38	12.454	905	907	908	rVV	160669	179125	3.61%	0.373%
39	12.522	908	913	916	rVV4	59200	87418	1.76%	0.182%
40	12.636	919	923	924	rBV2	171461	247369	4.98%	0.515%
41	12.751	931	933	934	rBV	35517	51187	1.03%	0.106%
42	12.785	934	936	938	rVB	3527105	3262035	65.66%	6.786%
43	12.911	945	947	949	rBV	119667	149677	3.01%	0.311%
44	12.957	949	951	954	rVB	50599	84697	1.70%	0.176%
45	13.025	954	957	959	rBV	69473	95369	1.92%	0.198%
46	13.059	959	960	964	rVB4	49585	74667	1.50%	0.155%
47	13.357	983	986	990	rVB6	29417	55594	1.12%	0.116%
48	13.551	1002	1003	1007	rBV3	36326	56234	1.13%	0.117%
49	13.699	1013	1016	1024	rBV	182009	437986	8.82%	0.911%
50	13.825	1024	1027	1034	rVB	1181355	1309820	26.36%	2.725%
51	14.214	1056	1061	1062	rBV	29149	50632	1.02%	0.105%
52	14.305	1066	1069	1071	rBV	43472	65567	1.32%	0.136%
53	14.591	1092	1094	1099	rVB6	23117	62497	1.26%	0.130%
54	14.831	1112	1115	1119	rBV	57077	140824	2.83%	0.293%
55	15.151	1140	1143	1145	rVB	38258	53726	1.08%	0.112%
56	15.197	1145	1147	1150	rBV	669101	1003722	20.20%	2.088%
57	15.700	1189	1191	1199	rVB7	19703	63191	1.27%	0.131%
58	16.877	1291	1294	1302	rBV3	15625	76121	1.53%	0.158%
59	18.420	1423	1429	1440	rBV3	32517	191378	3.85%	0.398%
60	18.751	1455	1458	1469	rVB9	23387	99105	1.99%	0.206%

Sum of corrected areas: 48068672

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
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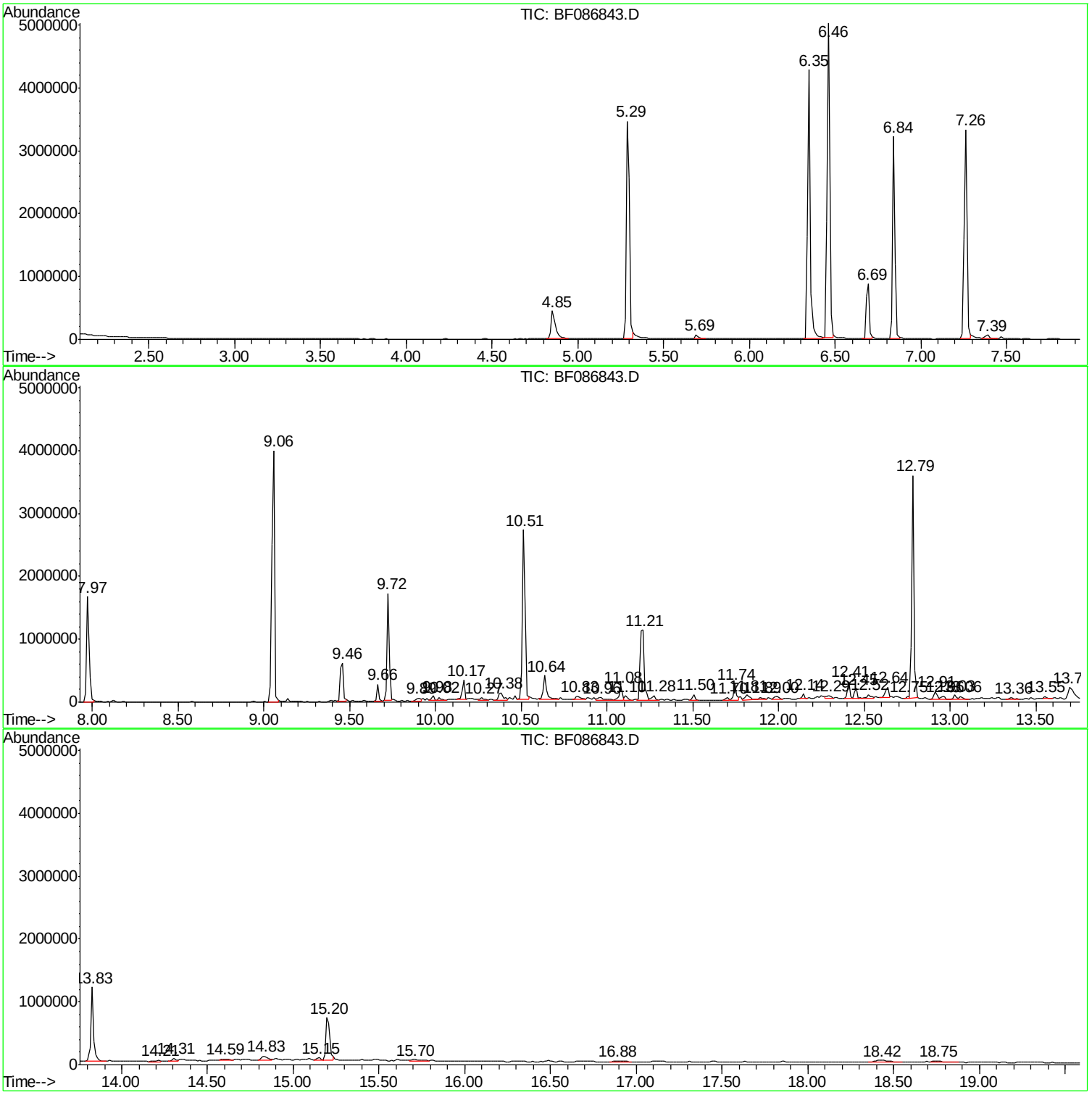
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF050916\
Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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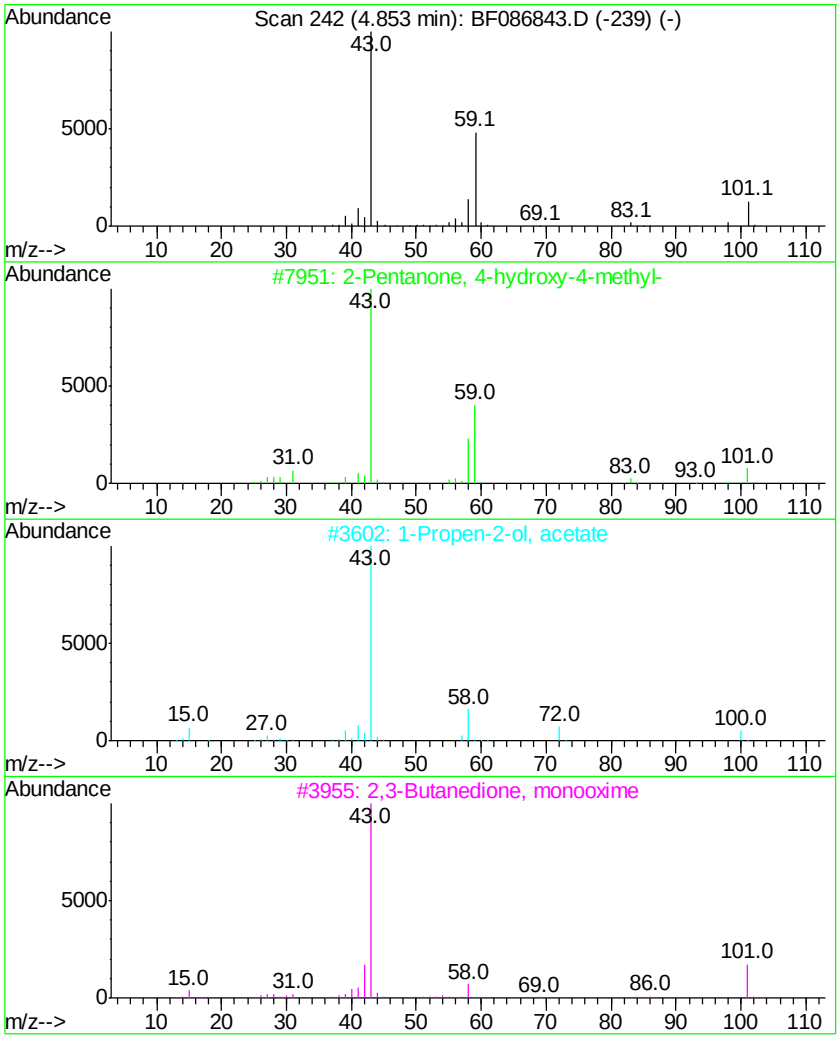
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

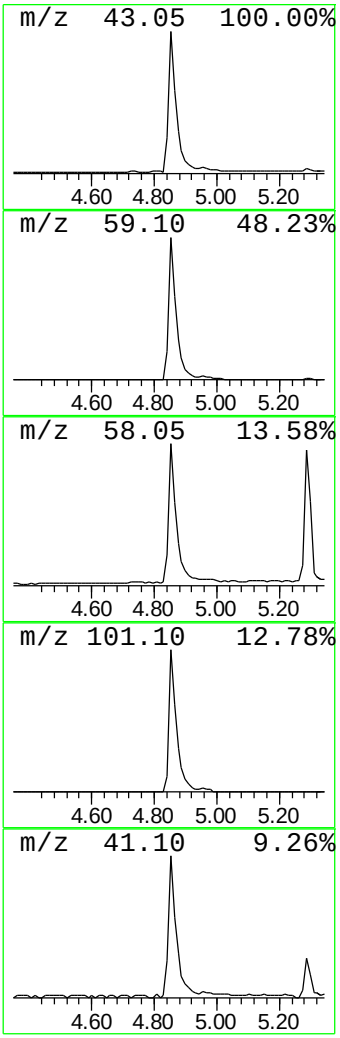
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	13.26 ng	748789	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	9
5	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
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Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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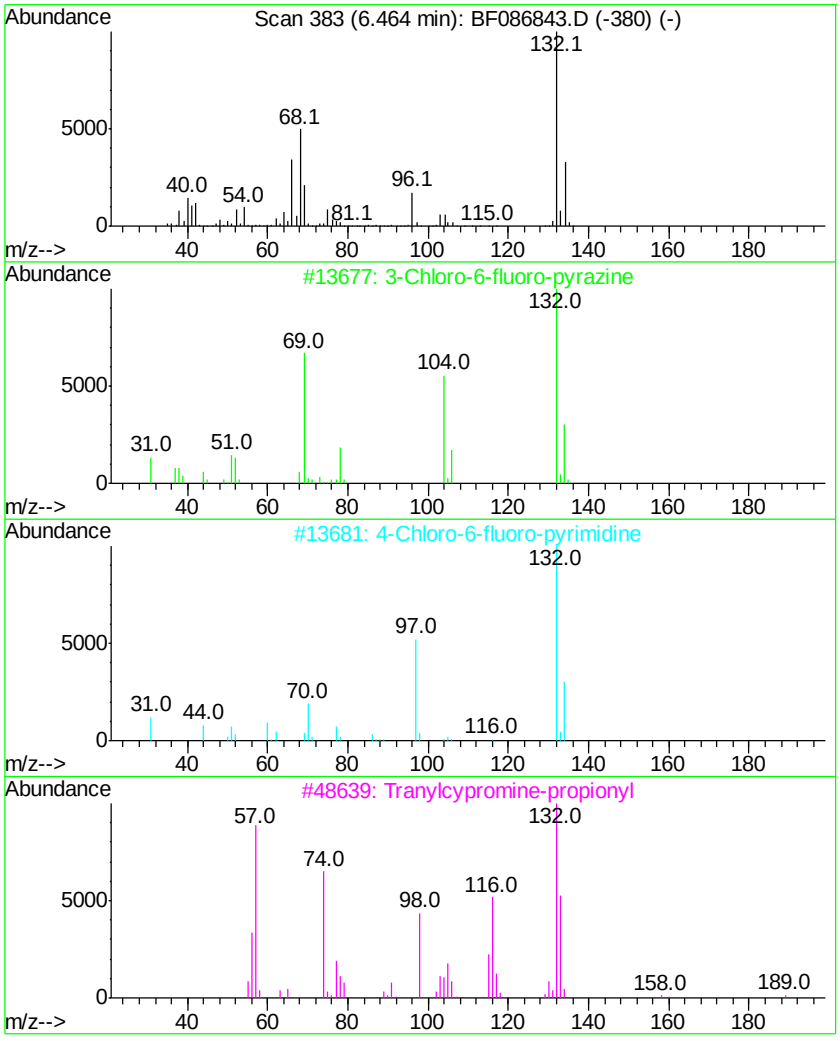
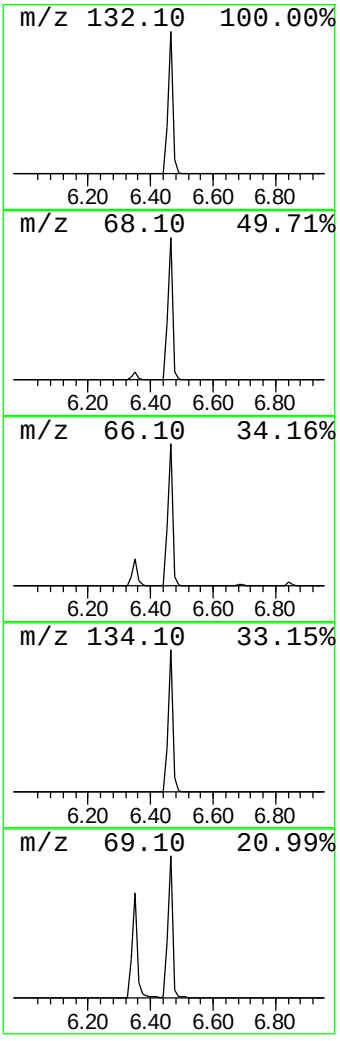
Peak Number 2 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	88.00 ng	4968040	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086843.D
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Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

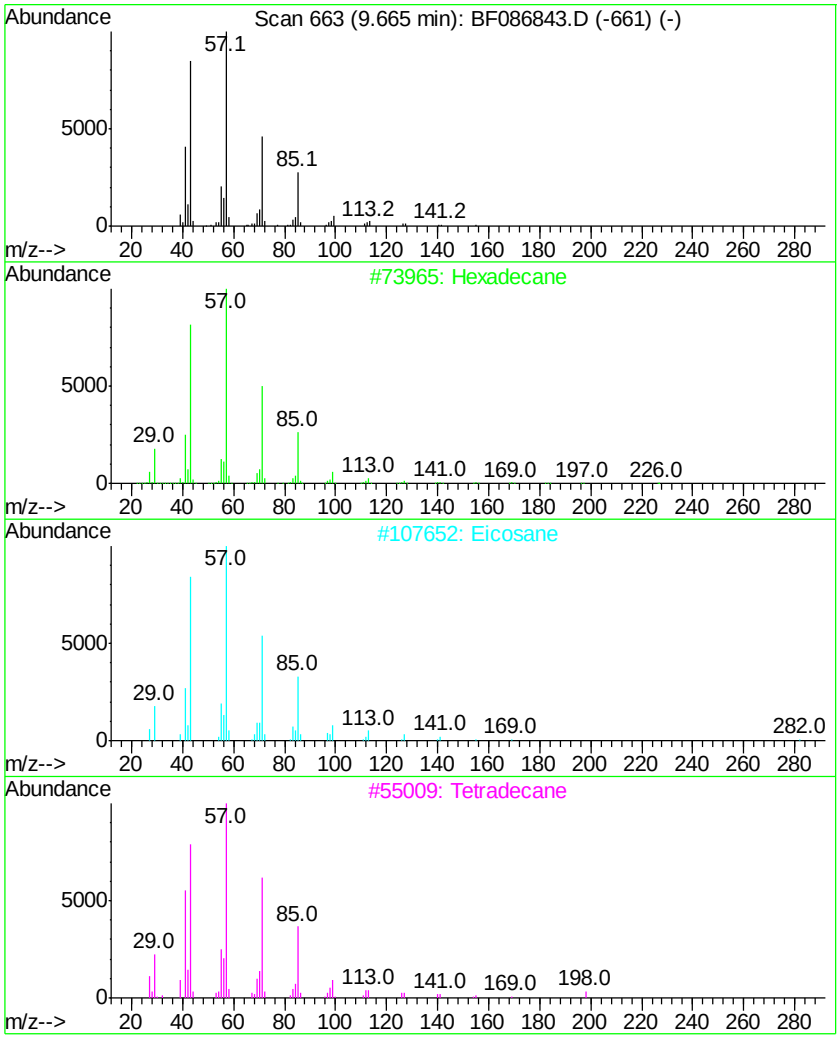
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

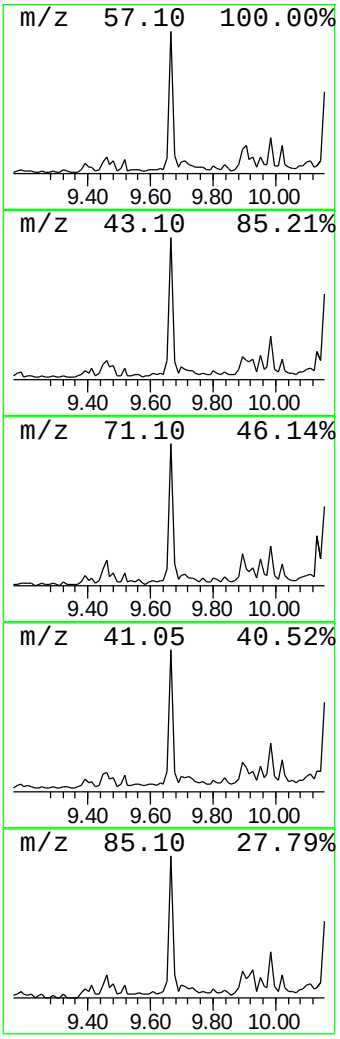
****

Peak Number 4 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	2.69 ng	217700	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Eicosane	282	C20H42	000112-95-8	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Tridecane	184	C13H28	000629-50-5	86
5	Pentadecane	212	C15H32	000629-62-9	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

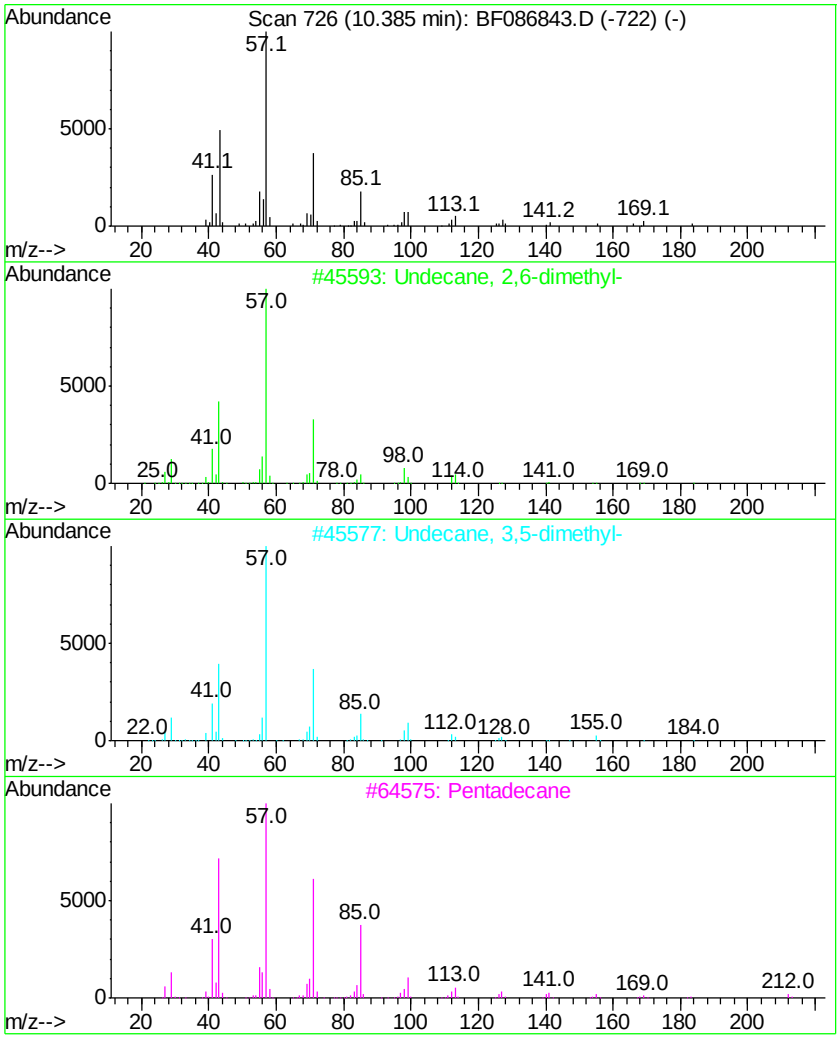
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

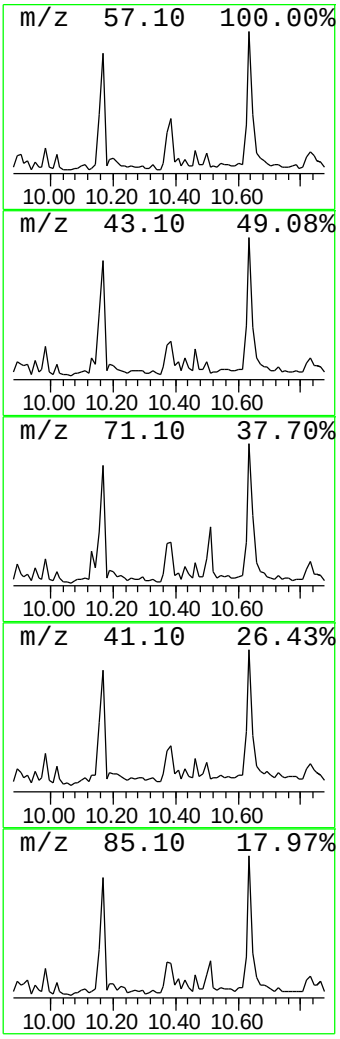
****

Peak Number 6 Undecane, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	2.54 ng	206118	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
3	Pentadecane	212	C15H32	000629-62-9	64
4	Eicosane	282	C20H42	000112-95-8	64
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64





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Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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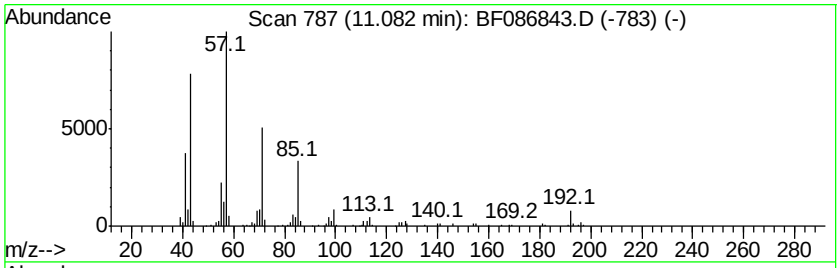
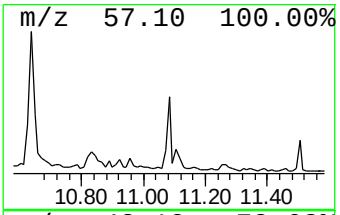
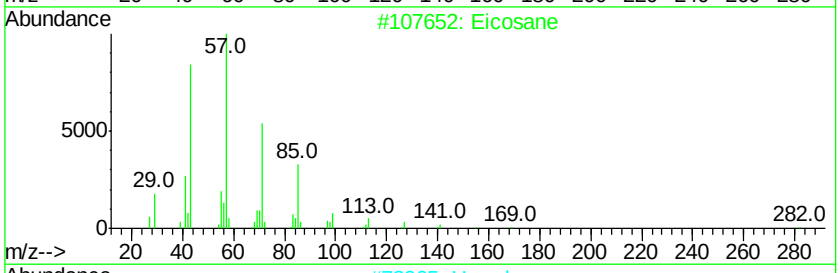
Peak Number 8 Eicosane Concentration Rank 11

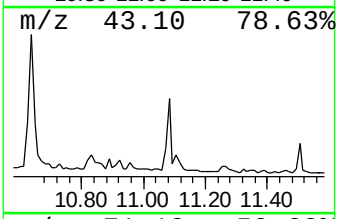
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	2.55 ng	222791	Phenanthrene-d10	11.21

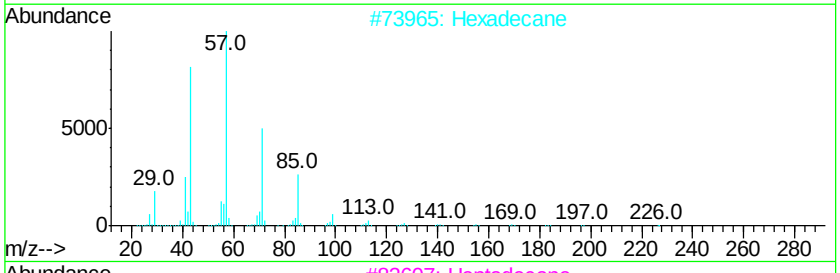
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Hexadecane	226	C16H34	000544-76-3	87
3	Heptadecane	240	C17H36	000629-78-7	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5	Tridecane	184	C13H28	000629-50-5	86

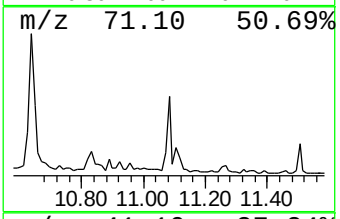


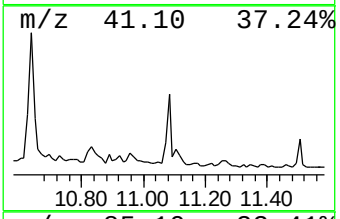


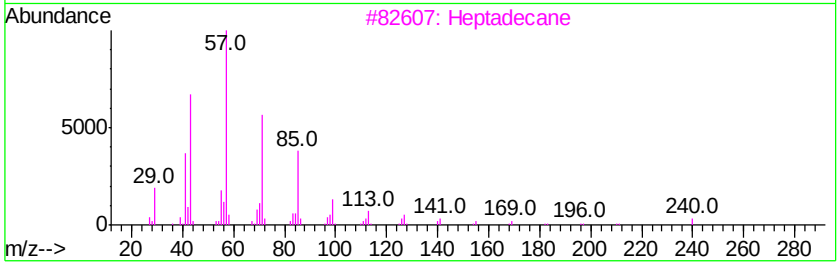


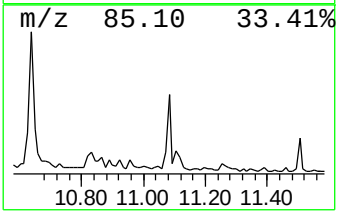












Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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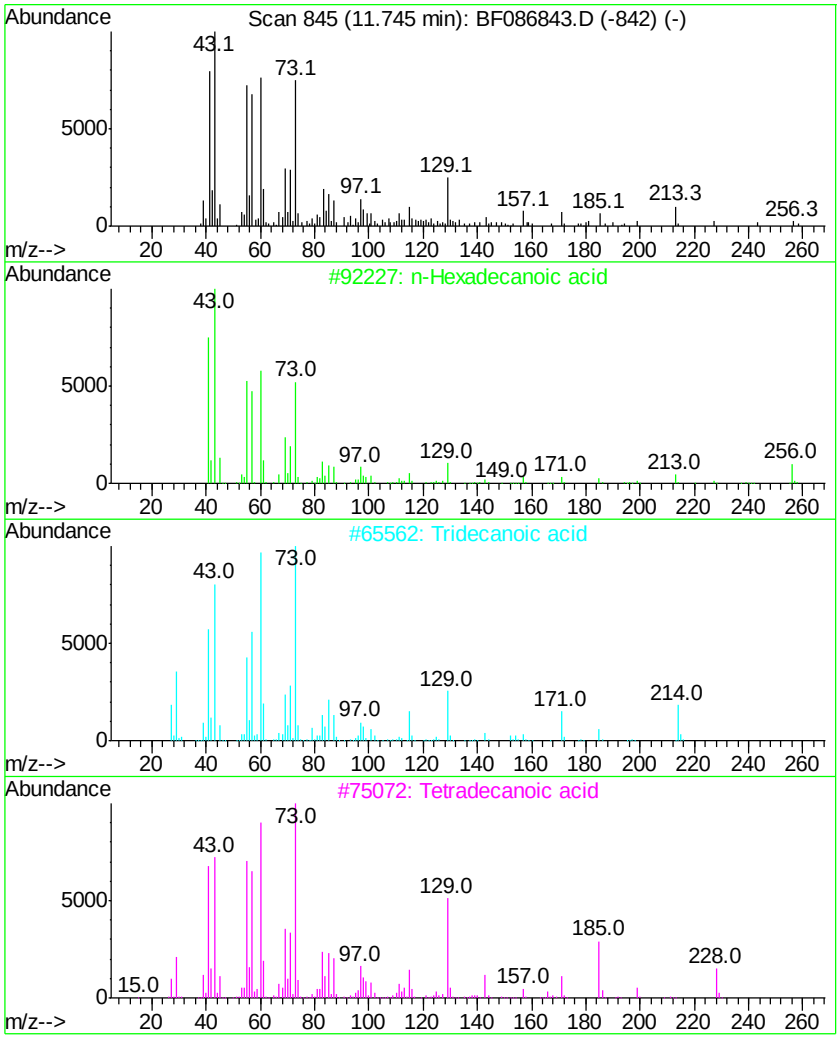
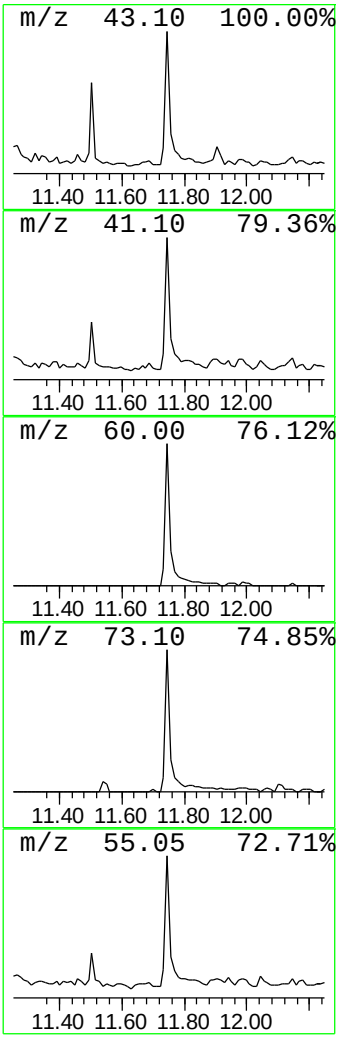
Peak Number 9 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.47 ng	303133	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Tridecanoic acid	214	C13H26O2	000638-53-9	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Undecanoic acid	186	C11H22O2	000112-37-8	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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TIC Library : C:\DATABASE\NIST02.L
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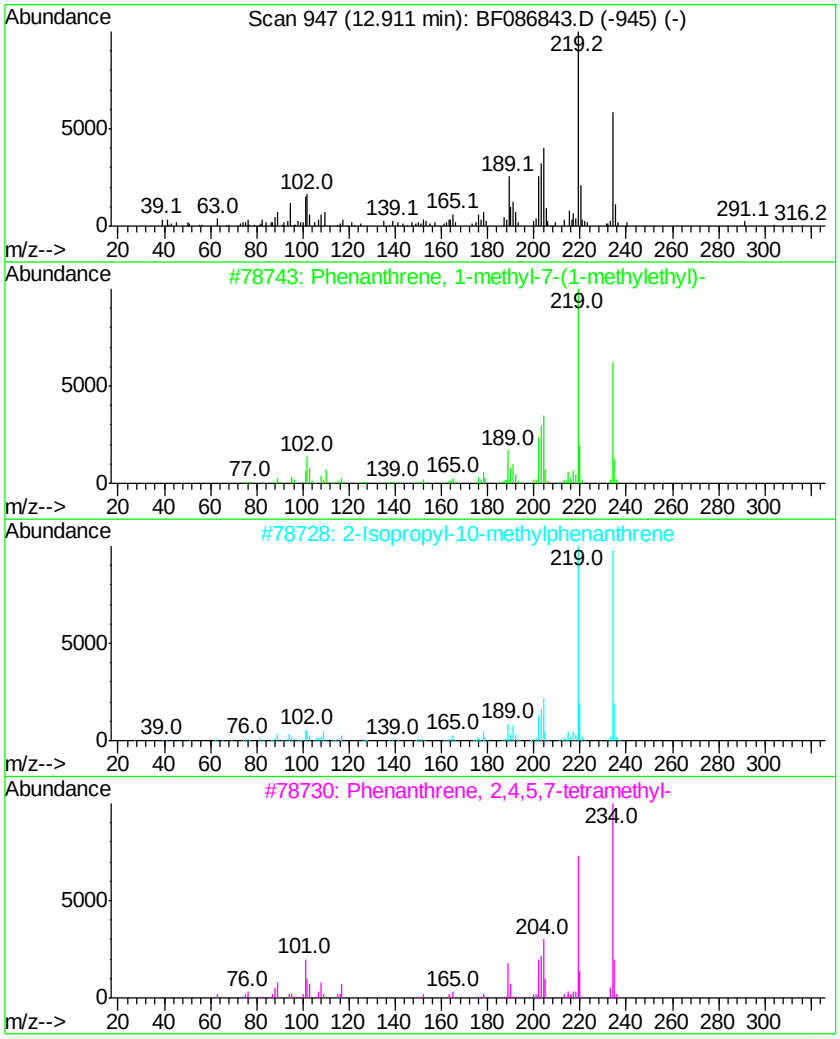
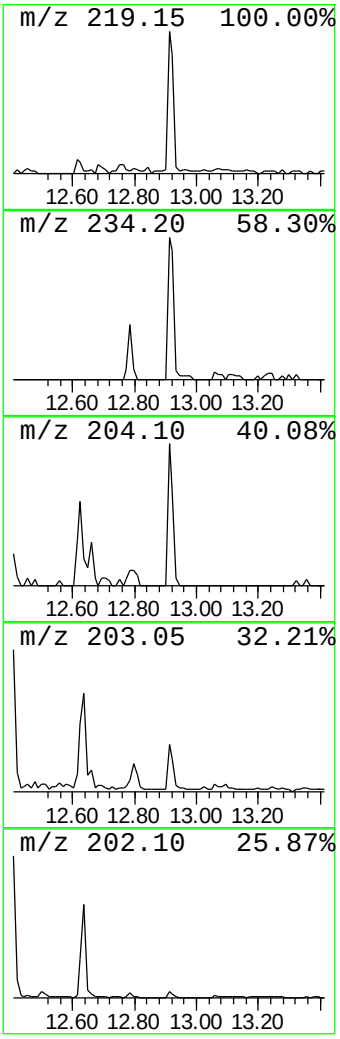
Peak Number 10 Phenanthrene, 1-methyl-7-(1... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	2.29 ng	149677	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	90
4	Quinoline, 2-(3-tolyl)-	219	C16H13N	024641-30-3	87
5	1-Phenyl-4-(3,5-dimethylphenyl)b...	234	C18H18	1000202-15-0	80





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Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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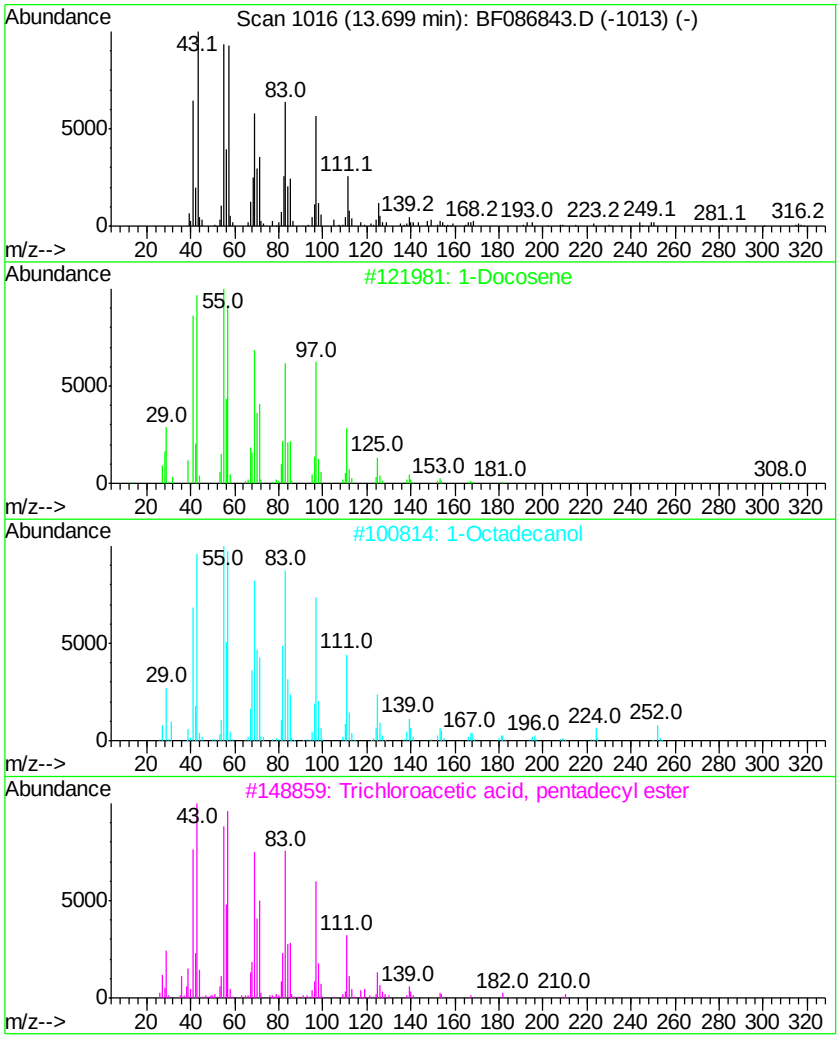
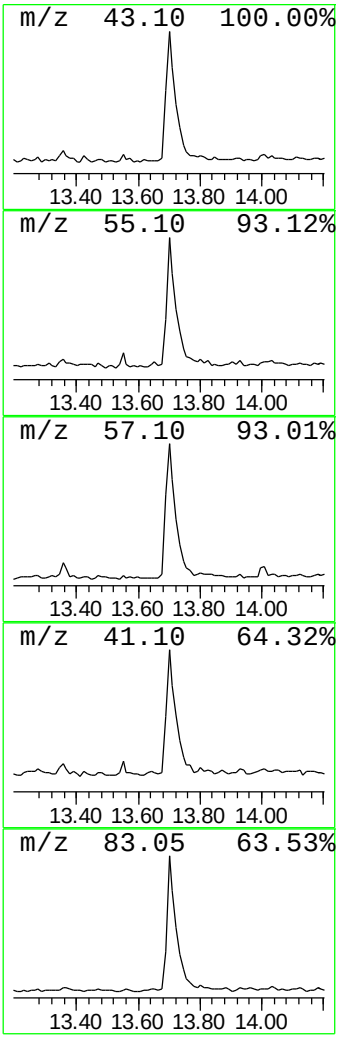
Peak Number 11 1-Docosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	6.69 ng	437986	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	1-Octadecanol	270	C18H38O	000112-92-5	91
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
5	E-15-Heptadecenal	252	C17H32O	1000130-97-9	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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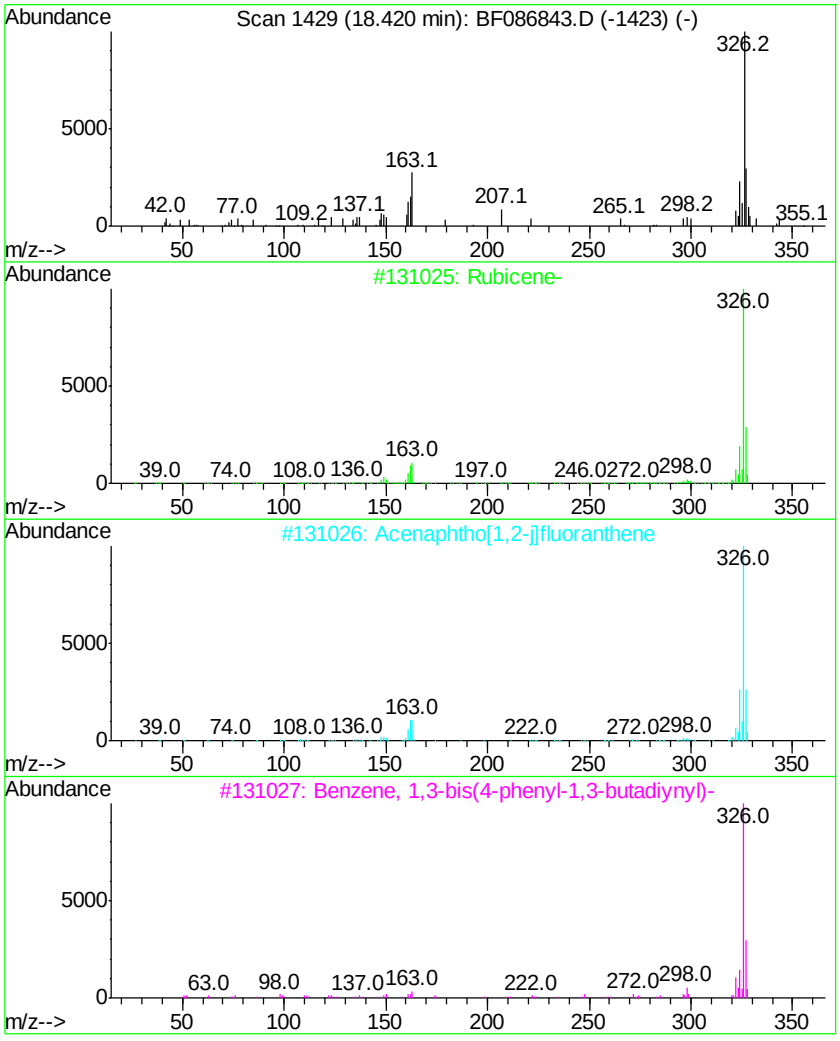
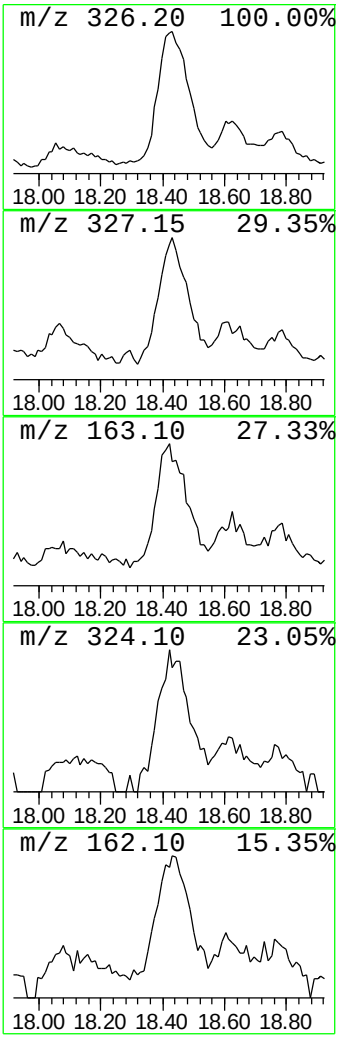
Peak Number 13 Rubicene- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.81 ng	191378	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Rubicene-	326	C26H14	000197-61-5	93
2	Acenaphtho[1,2-j]fluoranthene	326	C26H14	000193-21-5	81
3	Benzene, 1,3-bis(4-phenyl-1,3-bu...	326	C26H14	037902-13-9	64
4	2-(4-Biphenylyl)imidazo[2,1-b]be...	326	C21H14N2S	038956-29-5	64
5	Silane, (estra-1,3,5(10),16-tetr...	326	C21H30OSi	069688-27-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
Data File : BF086843.D
Acq On : 10 May 2016 1:54
Operator : UM/SJ
Sample : H2895-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP8-9.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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...	4.85	13.3	ng	748789	1	6.69	1129080	20.0
unknown6.46	6.46	88.0	ng	4968040	1	6.69	1129080	20.0
Hexadecane	9.66	2.7	ng	217700	3	9.72	1620990	20.0
Undecane, 2,6-dim...	10.38	2.5	ng	206118	3	9.72	1620990	20.0
Eicosane	11.08	2.5	ng	222791	4	11.21	1745060	20.0
n-Hexadecanoic acid	11.75	3.5	ng	303133	4	11.21	1745060	20.0
Phenanthrene, 1-m...	12.91	2.3	ng	149677	5	13.83	1309820	20.0
1-Docosene	13.70	6.7	ng	437986	5	13.83	1309820	20.0
Rubicene-	18.42	3.8	ng	191378	6	15.21	1003720	20.0