LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
Data File : BF091800.D
Acq On : 20 Dec 2016 3:43
Operator : UM/SJ
Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

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-BF121716.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	4.921	246	248	257	rBV	877562	1011935	15.14%	2.031%
2	5.356	284	286	289	rBV	2557254	2938733	43.96%	5.899%
3	5.607	306	308	311	rVB	103261	95641	1.43%	0.192%
4	6.213	356	361	363	rBV	115949	122111	1.83%	0.245%
5	6.396	375	377	380	rBV	1482764	1709093	25.56%	3.431%
6	6.533	386	389	391	rBV	3520425	4606307	68.90%	9.247%
7	6.761	406	409	411	rBV	1124151	1346554	20.14%	2.703%
8	6.910	420	422	425	rBV	3501589	4591952	68.68%	9.218%
9	7.013	427	431	432	rBV	99361	89358	1.34%	0.179%
10	7.081	435	437	442	rBV	69457	97992	1.47%	0.197%
11	7.322	453	458	461	rBV	2923412	3894124	58.25%	7.817%
12	7.413	464	466	473	rVB4	43025	109343	1.64%	0.219%
13	7.539	473	477	478	rBV	125954	150503	2.25%	0.302%
14	7.722	488	493	496	rBV3	93021	172677	2.58%	0.347%
15	7.779	496	498	501	rBV2	212857	283039	4.23%	0.568%
16	8.042	518	521	524	rBV	2011776	2097245	31.37%	4.210%
17	8.327	544	546	549	rVB3	49455	68823	1.03%	0.138%
18	8.544	564	565	569	rBV2	60779	71432	1.07%	0.143%
19	8.750	581	583	585	rVB2	69899	103917	1.55%	0.209%
20	8.853	590	592	598	rVB	365026	387899	5.80%	0.779%
21	9.127	613	616	618	rBV	5609088	6685652	100.00%	13.421%
22	9.310	630	632	635	rVB	51150	80881	1.21%	0.162%
23	9.379	635	638	641	rBV	114368	182116	2.72%	0.366%
24	9.459	642	645	648	rVV2	160895	326759	4.89%	0.656%
25	9.516	648	650	652	rVV	826932	701937	10.50%	1.409%
26	9.573	652	655	657	rVV	90884	138653	2.07%	0.278%
27	9.653	660	662	665	rBV	90846	90773	1.36%	0.182%
28	9.790	672	674	676	rBV	1680776	1840434	27.53%	3.695%
29	9.825	676	677	679	rVB	155013	126597	1.89%	0.254%
30	9.996	690	692	694	rBV	108301	111792	1.67%	0.224%
31	10.236	706	713	714	rBV4	96687	208474	3.12%	0.418%
32	10.339	720	722	724	rVB	150645	118090	1.77%	0.237%
33	10.408	725	728	729	rBV	56369	78941	1.18%	0.158%
34	10.579	740	743	746	rBV2	2827784	3225655	48.25%	6.475%

LSC Area Percent Report

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Data File : BF091800.D
Acq On : 20 Dec 2016 3:43
Operator : UM/SJ
Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

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-BF121716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.705	752	754	758	rVB	165861	201018	3.01%	0.404%
36	11.150	792	793	795	rBV	128918	135758	2.03%	0.273%
37	11.276	801	804	805	rBV	2022553	1909863	28.57%	3.834%
38	11.299	805	806	807	rVV	317811	227311	3.40%	0.456%
39	11.345	807	810	812	rVB	102260	110421	1.65%	0.222%
40	11.573	828	830	836	rVB	61684	98528	1.47%	0.198%
41	11.813	849	851	853	rBV2	67075	99098	1.48%	0.199%
42	11.882	855	857	862	rVB	70032	104317	1.56%	0.209%
43	12.476	907	909	911	rBV	215690	258168	3.86%	0.518%
44	12.705	926	929	933	rBV	238856	302953	4.53%	0.608%
45	12.865	940	943	945	rBV	5000733	5246917	78.48%	10.533%
46	13.756	1019	1021	1024	rBV	165065	260348	3.89%	0.523%
47	13.905	1031	1034	1040	rBV	1510966	1619396	24.22%	3.251%
48	14.911	1120	1122	1126	rBV	90247	162398	2.43%	0.326%
49	15.242	1149	1151	1153	rBV	67131	78847	1.18%	0.158%
50	15.311	1154	1157	1159	rBV	733497	1134487	16.97%	2.277%

Sum of corrected areas: 49815260

LSC Report - Integrated Chromatogram

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Data File : BF091800.D
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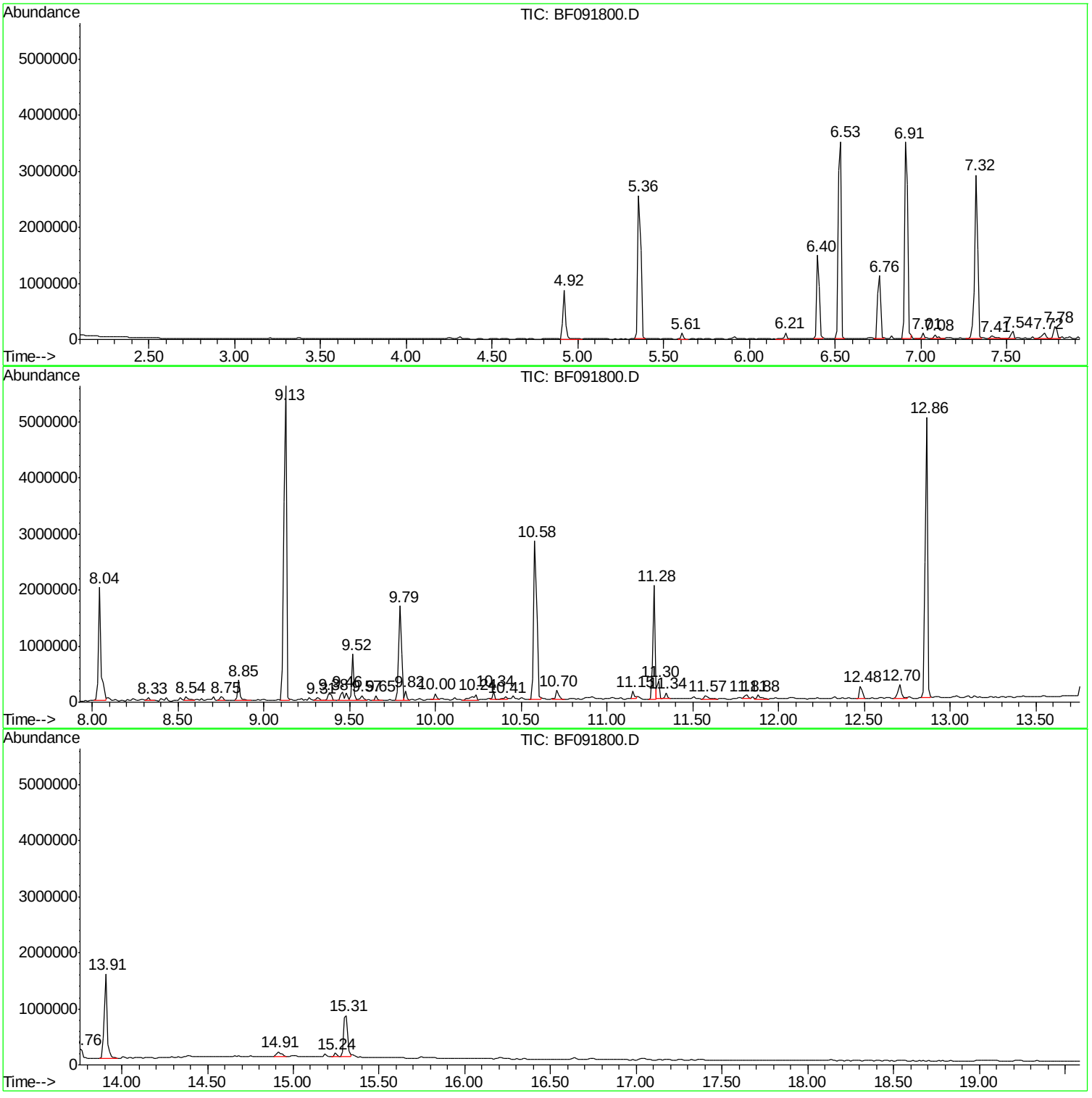
Operator : UM/SJ
Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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\BF121916\
Data File : BF091800.D
Acq On : 20 Dec 2016 3:43
Operator : UM/SJ
Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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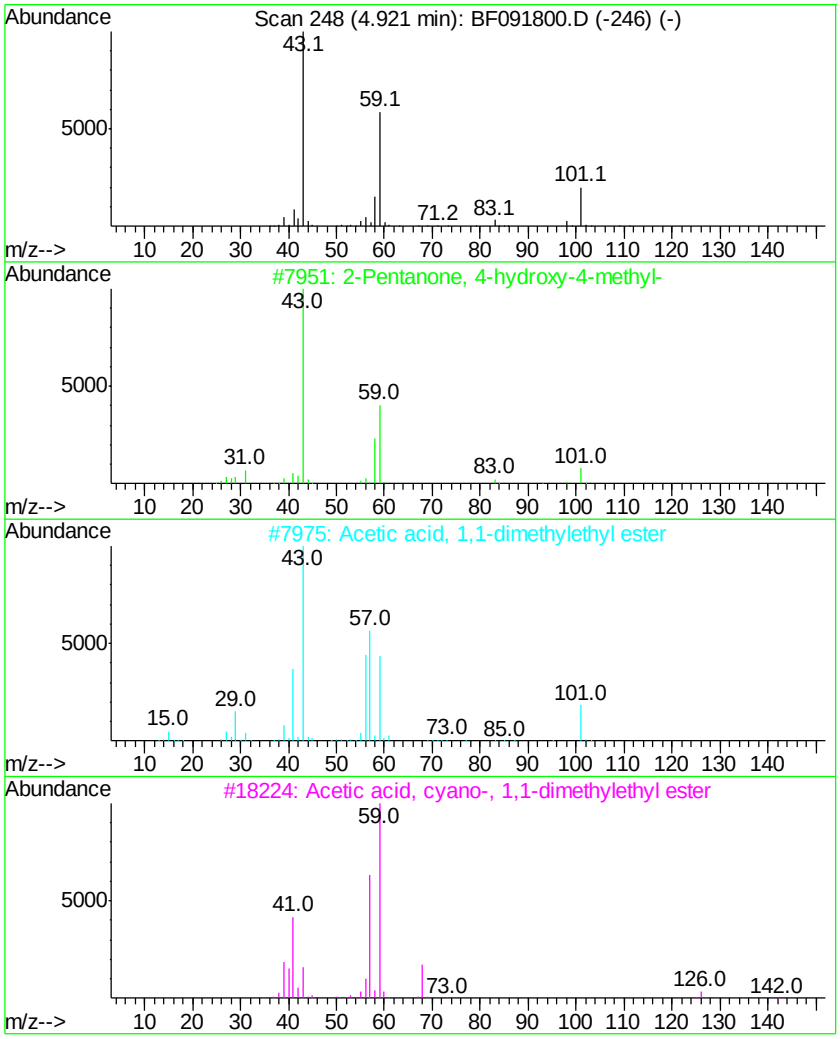
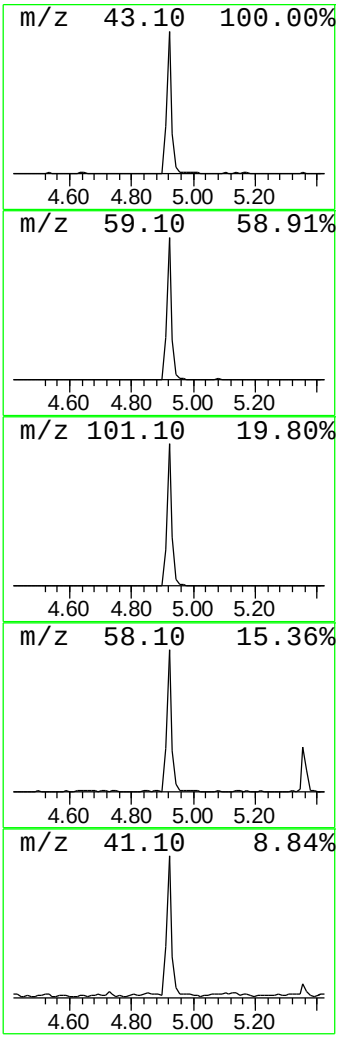
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	15.03 ng	1011940	1,4-Dichlorobenzene-d4	6.76

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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
Data File : BF091800.D
Acq On : 20 Dec 2016 3:43
Operator : UM/SJ
Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

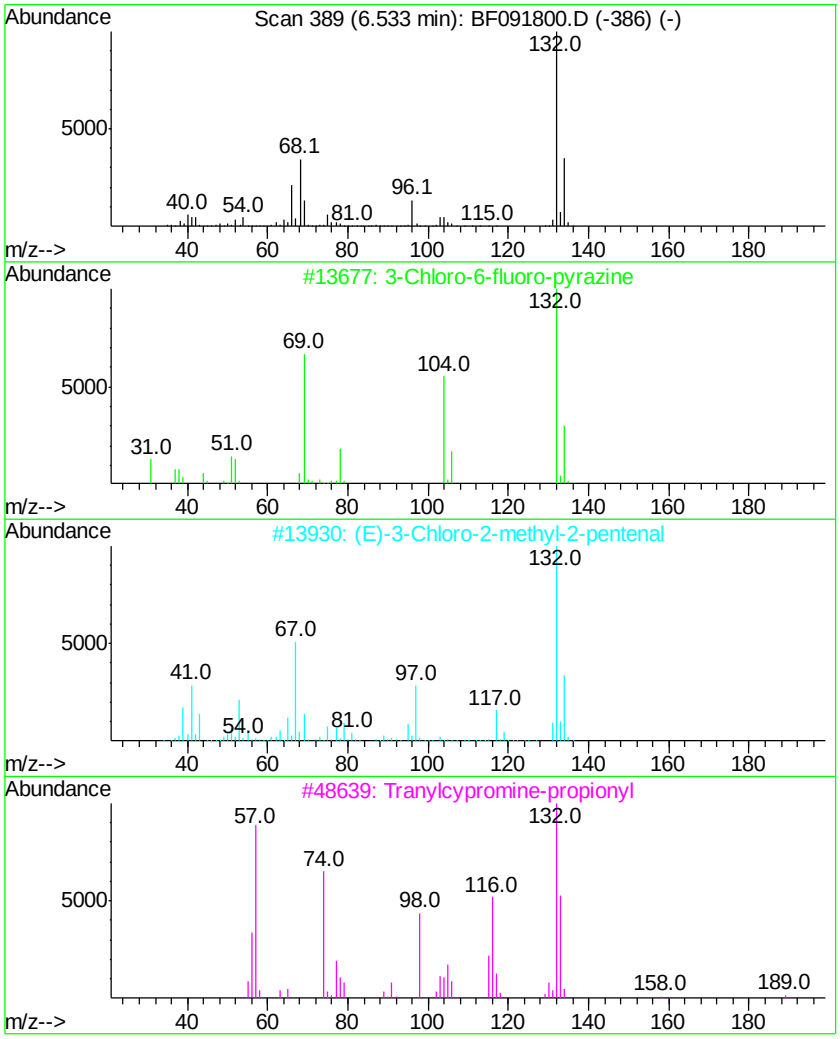
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

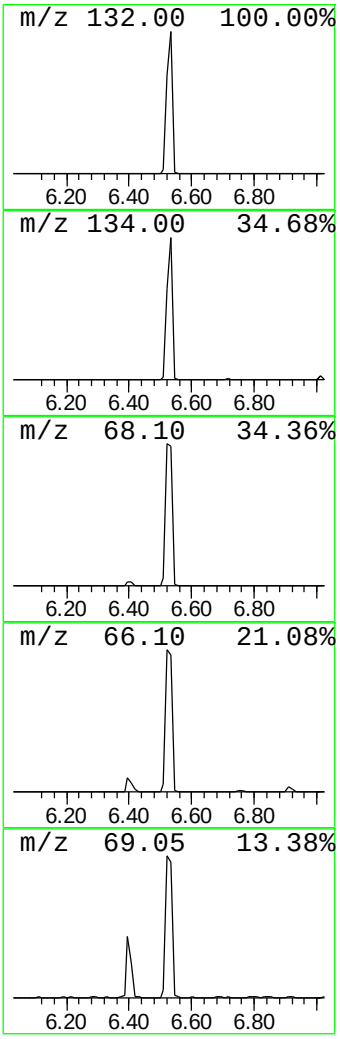
****

Peak Number 2 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	68.42 ng	4606310	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
Data File : BF091800.D
Acq On : 20 Dec 2016 3:43
Operator : UM/SJ
Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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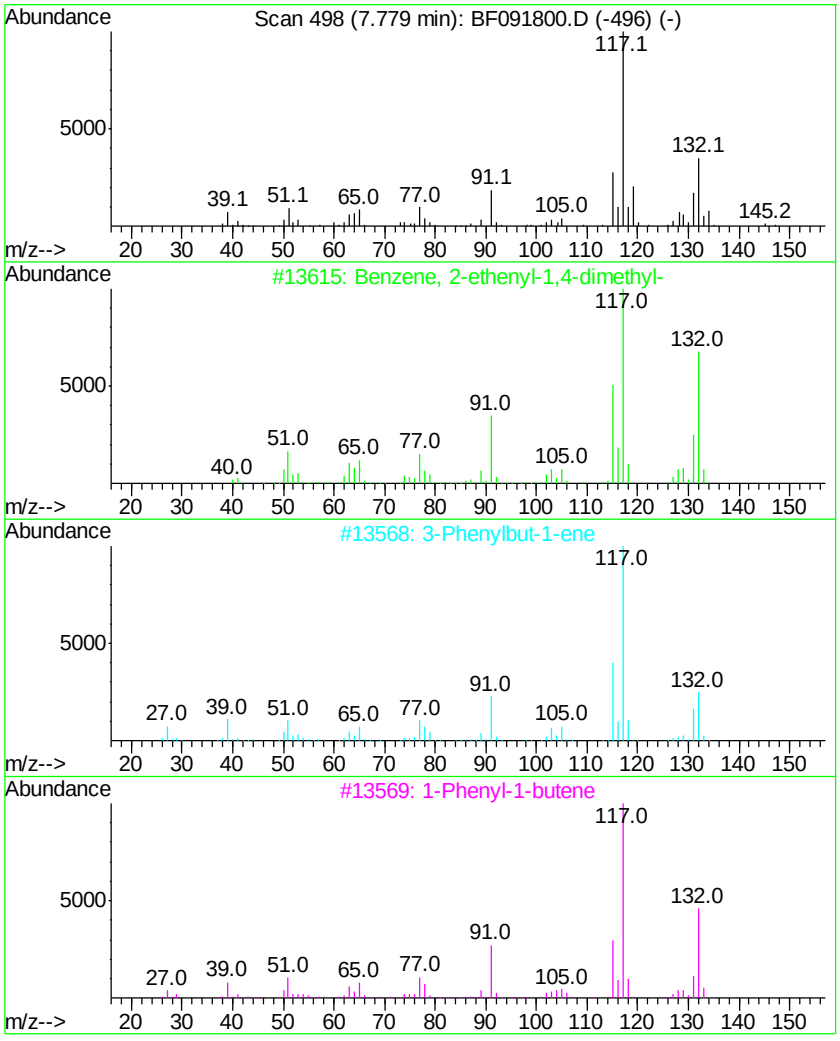
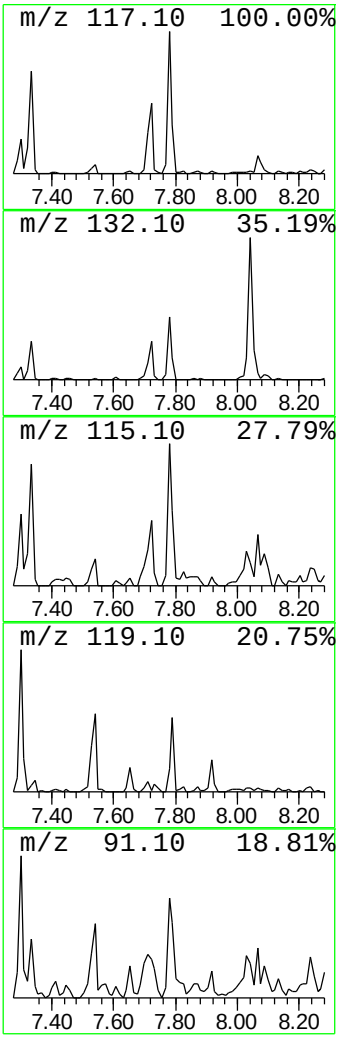
Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	2.70 ng	283039	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





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Data File : BF091800.D
Acq On : 20 Dec 2016 3:43
Operator : UM/SJ
Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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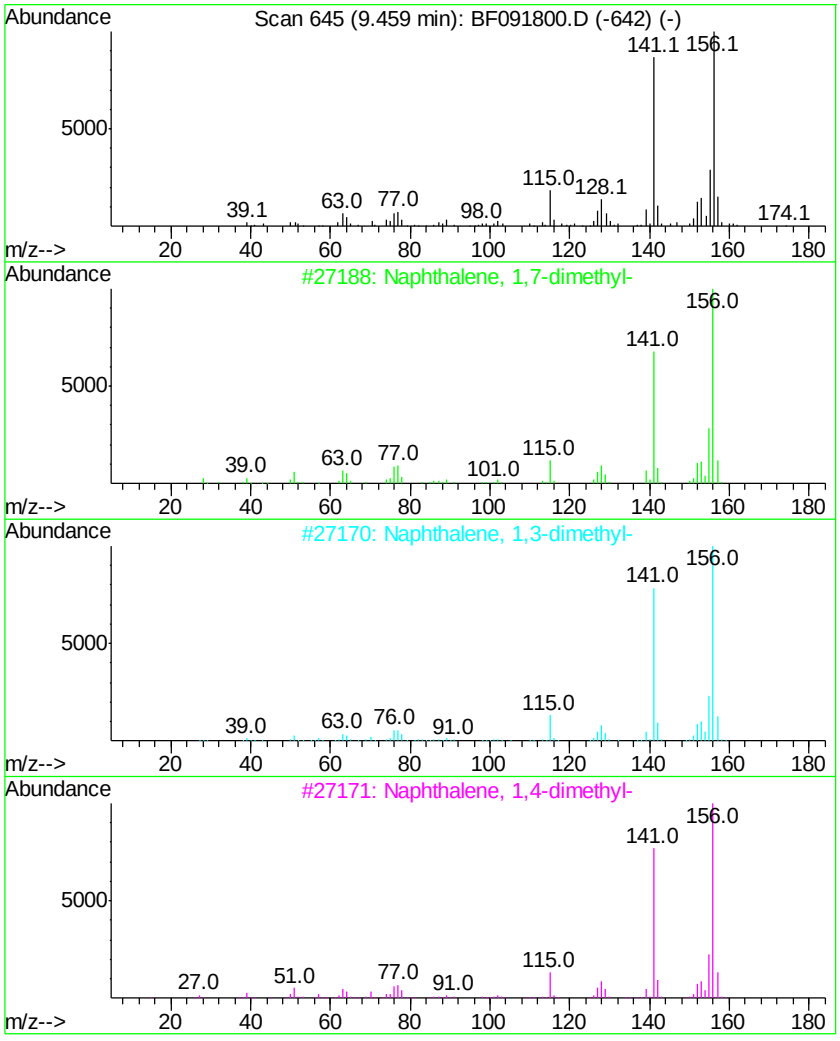
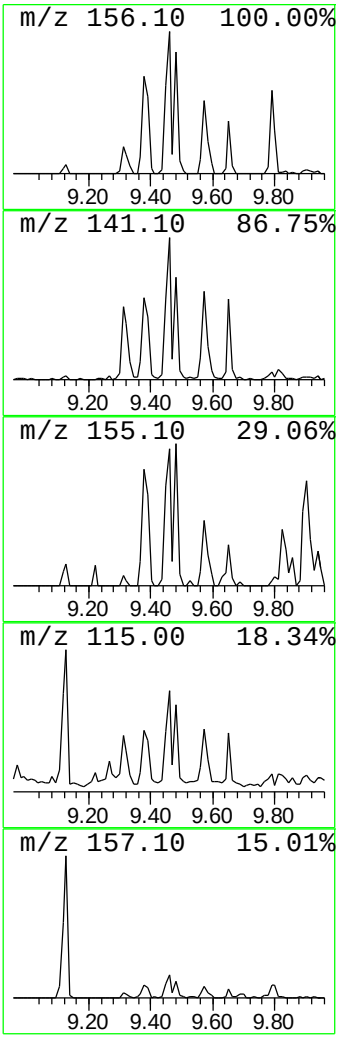
Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	3.55 ng	326759	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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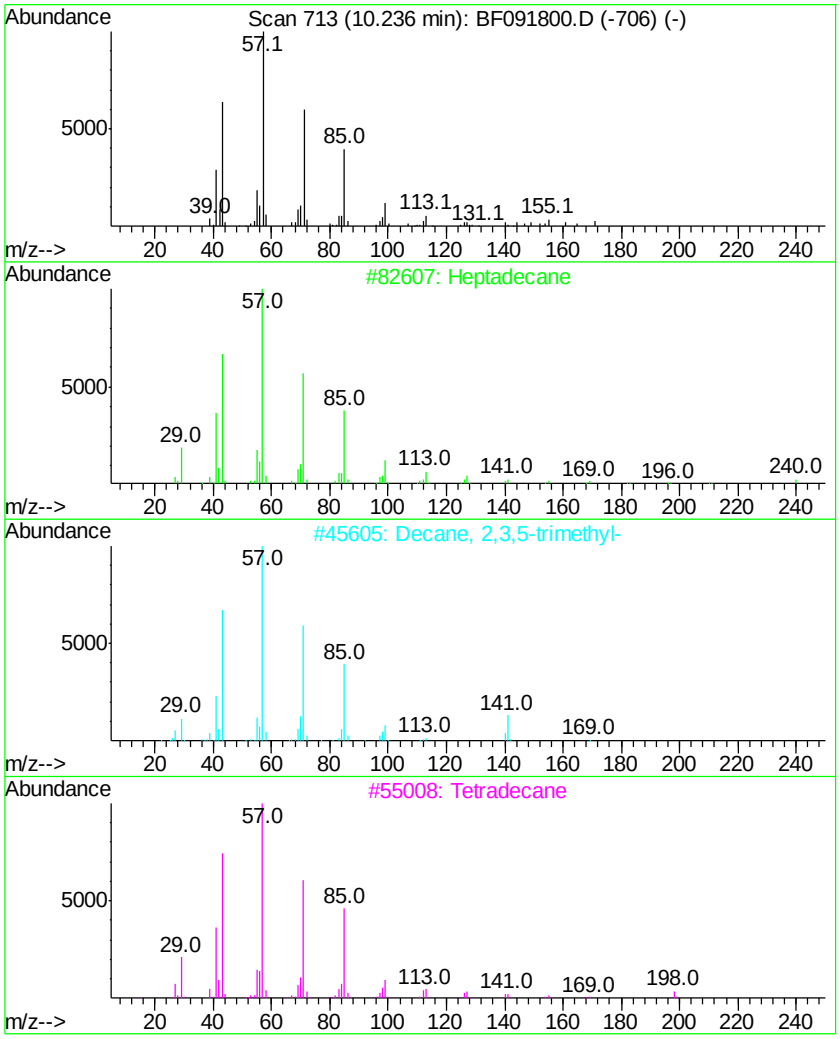
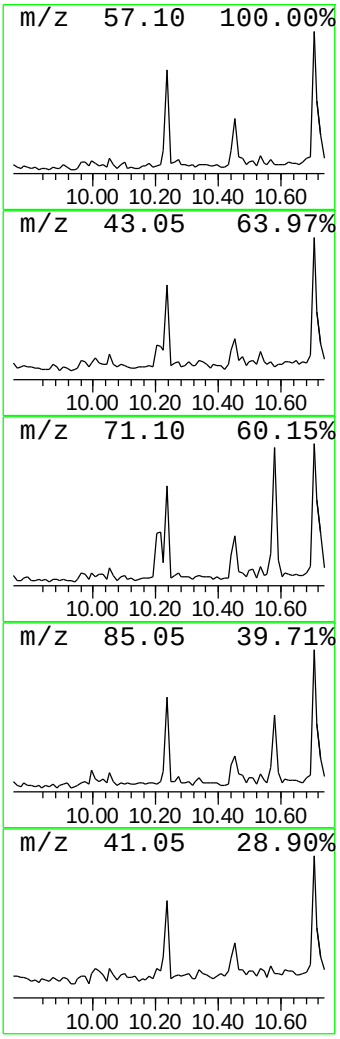
Peak Number 7 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	2.27 ng	208474	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Tetracosane	338	C24H50	000646-31-1	83
5	Hexadecane	226	C16H34	000544-76-3	78





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Acq On : 20 Dec 2016 3:43
Operator : UM/SJ
Sample : H6165-08
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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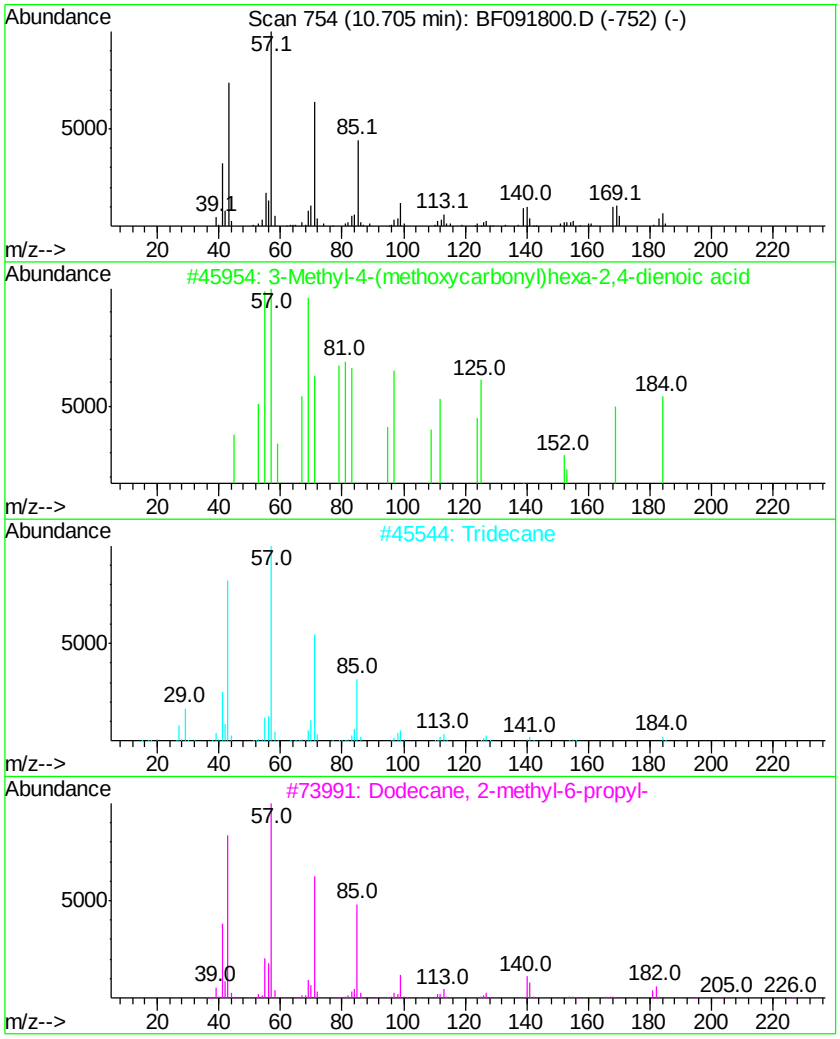
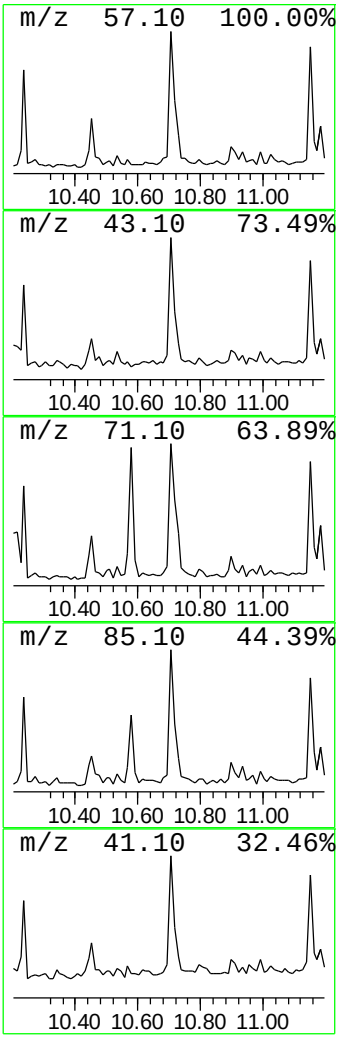
Peak Number 8 3-Methyl-4-(methoxycarbonyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	2.11 ng	201018	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	86
2	Tridecane	184	C13H28	000629-50-5	76
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64
4	Tetradecane	198	C14H30	000629-59-4	58
5	Heneicosane	296	C21H44	000629-94-7	52





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Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

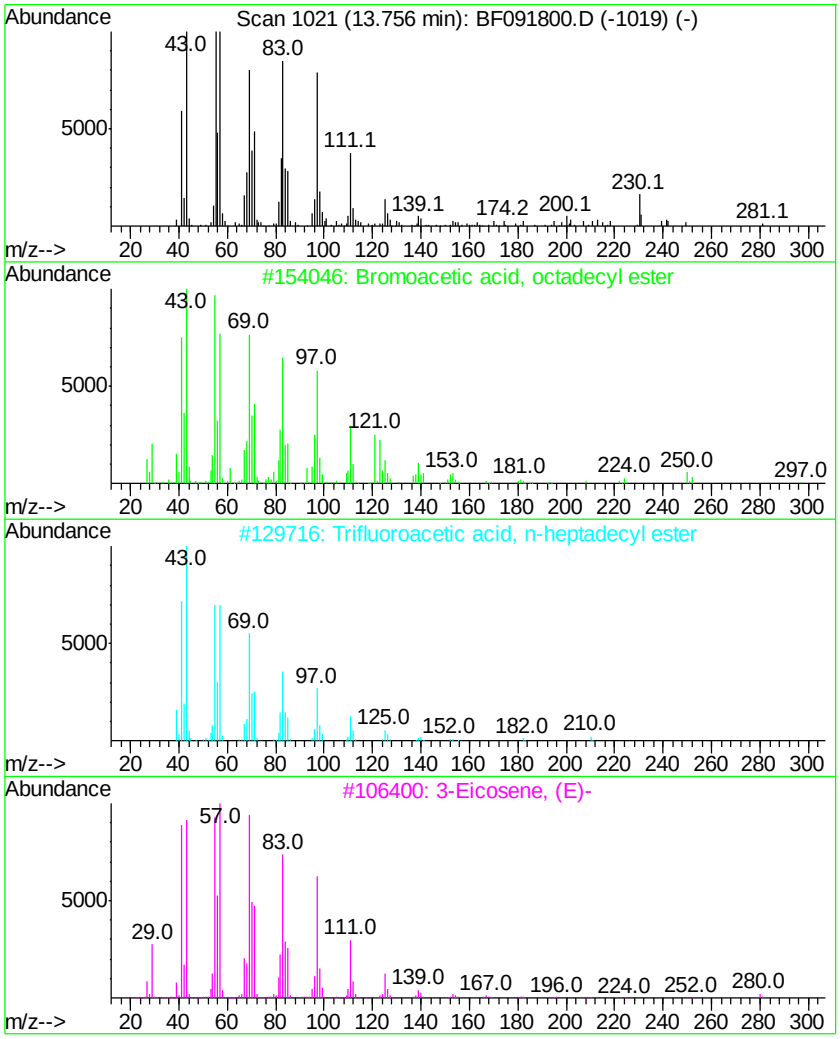
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

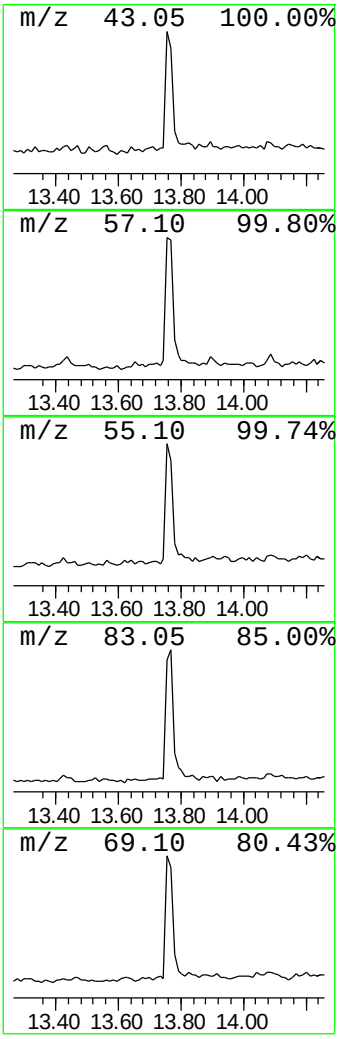
****

Peak Number 9 Bromoacetic acid, octadecyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.22 ng	260348	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
2	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	91
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
4	1-Nonadecene	266	C19H38	018435-45-5	91
5	1-Docosene	308	C22H44	001599-67-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121916\
Data File : BF091800.D
Acq On : 20 Dec 2016 3:43
Operator : UM/SJ
Sample : H6165-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SBW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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...	4.92	15.0	ng	1011940	1	6.76	1346550	20.0
unknown6.53	6.53	68.4	ng	4606310	1	6.76	1346550	20.0
Benzene, 2-etheny...	7.78	2.7	ng	283039	2	8.04	2097250	20.0
Naphthalene, 1,7-...	9.46	3.5	ng	326759	3	9.79	1840430	20.0
Heptadecane	10.24	2.3	ng	208474	3	9.79	1840430	20.0
3-Methyl-4-(metho...	10.70	2.1	ng	201018	4	11.28	1909860	20.0
Bromoacetic acid,...	13.76	3.2	ng	260348	5	13.90	1619400	20.0