LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

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-BF110316.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	4.739	265	267	278	rBV	359733	543426	9.40%	1.169%
2	5.196	305	307	321	rBV	1717976	2333074	40.38%	5.019%
3	6.270	398	401	409	rBV	1464175	1687989	29.21%	3.631%
4	6.385	409	411	414	rVV	3878950	3832031	66.32%	8.243%
5	6.442	414	416	424	rVV	158430	224762	3.89%	0.483%
6	6.579	424	428	430	rVV2	37484	66889	1.16%	0.144%
7	6.613	430	431	441	rVB	835629	1187856	20.56%	2.555%
8	6.773	442	445	453	rVV	4010925	4312492	74.63%	9.277%
9	6.876	453	454	459	rVB3	44095	90190	1.56%	0.194%
10	6.967	459	462	465	rBV3	31725	63137	1.09%	0.136%
11	7.116	471	475	477	rBV	44858	81066	1.40%	0.174%
12	7.162	477	479	480	rBV	145890	183895	3.18%	0.396%
13	7.196	480	482	484	rBV	2880971	3322125	57.49%	7.146%
14	7.402	497	500	501	rBV	62655	71856	1.24%	0.155%
15	7.425	501	502	505	rVB	97485	94781	1.64%	0.204%
16	7.585	511	516	519	rVB2	112891	220479	3.82%	0.474%
17	7.653	519	522	524	rBV	180145	254886	4.41%	0.548%
18	7.745	527	530	532	rVB2	78790	123655	2.14%	0.266%
19	7.905	542	544	548	rBV	1589674	1881521	32.56%	4.047%
20	7.962	548	549	550	rVB	177448	122409	2.12%	0.263%
21	8.110	560	562	564	rBV2	79623	89471	1.55%	0.192%
22	8.156	564	566	567	rVV	106590	106583	1.84%	0.229%
23	8.190	567	569	572	rVV3	50596	73584	1.27%	0.158%
24	8.293	576	578	581	rVB	75867	103546	1.79%	0.223%
25	8.385	581	586	587	rBV2	70241	107232	1.86%	0.231%
26	8.476	591	594	595	rVB2	55984	66876	1.16%	0.144%
27	8.568	601	602	604	rVB2	76265	92600	1.60%	0.199%
28	8.659	608	610	613	rVV	66808	84030	1.45%	0.181%
29	8.716	613	615	621	rVB	414468	620801	10.74%	1.335%
30	8.830	621	625	626	rBV3	33471	88138	1.53%	0.190%
31	8.991	636	639	641	rBV	5603844	5778128	100.00%	12.429%
32	9.093	645	648	653	rBV2	99448	255076	4.41%	0.549%
33	9.162	653	654	655	rBV	77352	74955	1.30%	0.161%
34	9.196	655	657	659	rVB	66774	93112	1.61%	0.200%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

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-BF110316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.253	659	662	665	rBV	101758	188999	3.27%	0.407%
36	9.322	665	668	670	rBV	222187	265396	4.59%	0.571%
37	9.436	675	678	683	rVB2	137945	276581	4.79%	0.595%
38	9.516	683	685	688	rBV	93701	123722	2.14%	0.266%
39	9.653	695	697	700	rBV	1662131	1996148	34.55%	4.294%
40	9.756	704	706	709	rBV2	34801	71303	1.23%	0.153%
41	9.871	714	716	717	rVB	50220	62762	1.09%	0.135%
42	9.985	724	726	730	rBV3	93472	171180	2.96%	0.368%
43	10.099	734	736	739	rVB2	60486	105193	1.82%	0.226%
44	10.168	739	742	744	rBV4	36563	77813	1.35%	0.167%
45	10.271	749	751	754	rBV	78355	106398	1.84%	0.229%
46	10.408	761	763	764	rBV	67674	93247	1.61%	0.201%
47	10.454	764	767	769	rBV	3143535	3814713	66.02%	8.206%
48	10.579	776	778	782	rVB	91776	118376	2.05%	0.255%
49	10.785	794	796	799	rBV4	29144	61575	1.07%	0.132%
50	11.025	815	817	824	rVB2	54021	106977	1.85%	0.230%
51	11.139	824	827	829	rBV	2026094	1897504	32.84%	4.082%
52	11.516	857	860	866	rVB3	28215	77975	1.35%	0.168%
53	11.688	873	875	876	rBV2	76894	101328	1.75%	0.218%
54	11.711	876	877	879	rVB	104355	100755	1.74%	0.217%
55	12.728	963	966	969	rBV	5170892	5732737	99.21%	12.332%
56	13.642	1043	1046	1055	rBV	86504	155704	2.69%	0.335%
57	13.768	1055	1057	1060	rBV	1414348	1410184	24.41%	3.033%
58	14.614	1129	1131	1134	rBV	67792	69229	1.20%	0.149%
59	15.140	1175	1177	1184	rBV	836919	969385	16.78%	2.085%

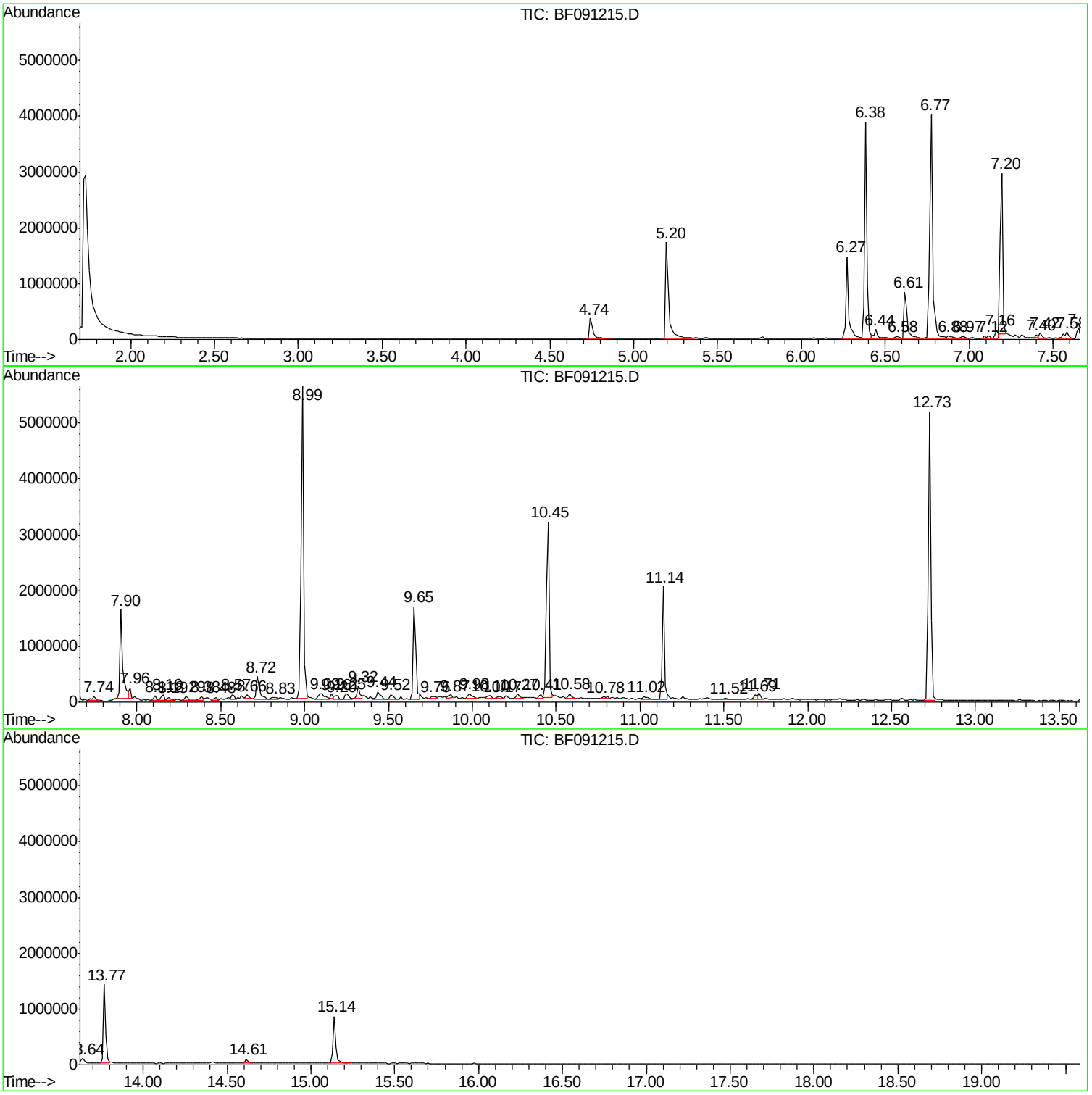
Sum of corrected areas: 46487835

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

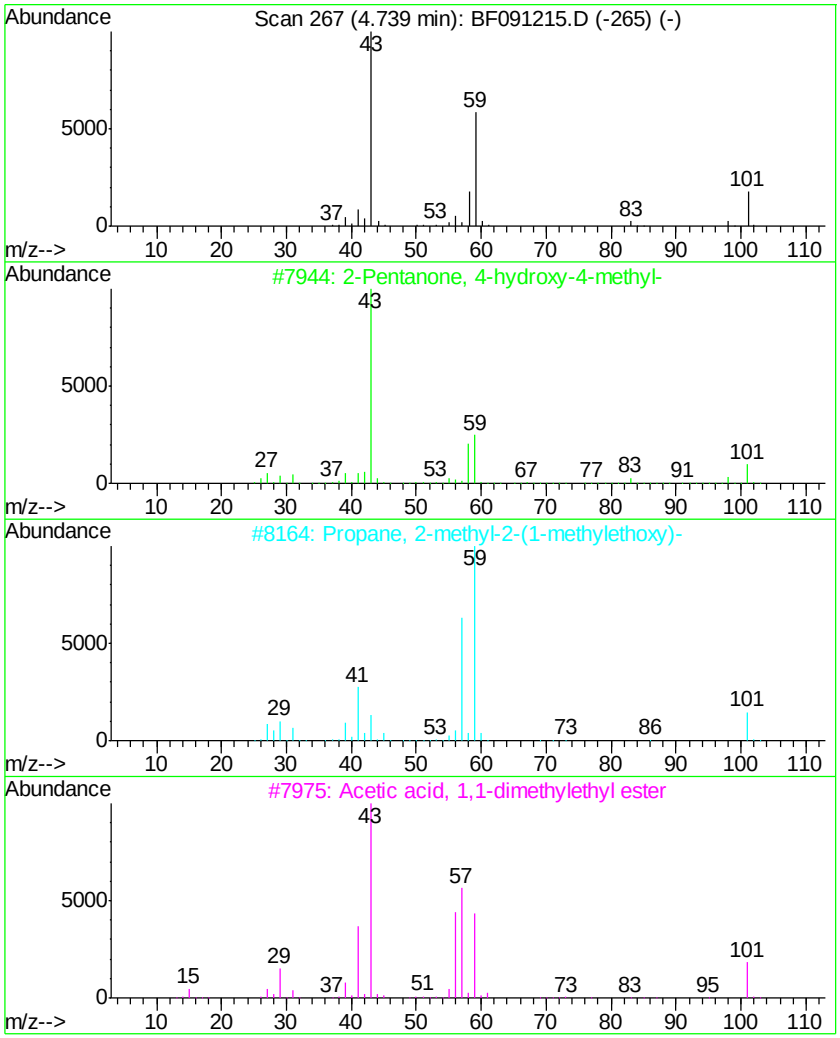
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

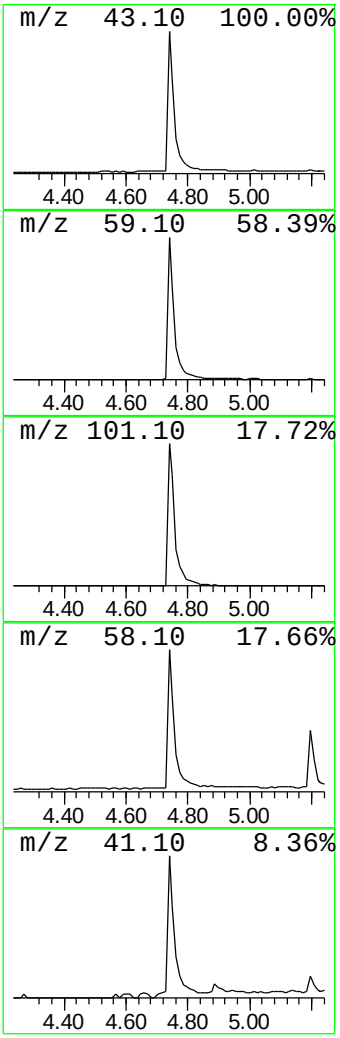
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	9.15 ng	543426	1,4-Dichlorobenzene-d4	6.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

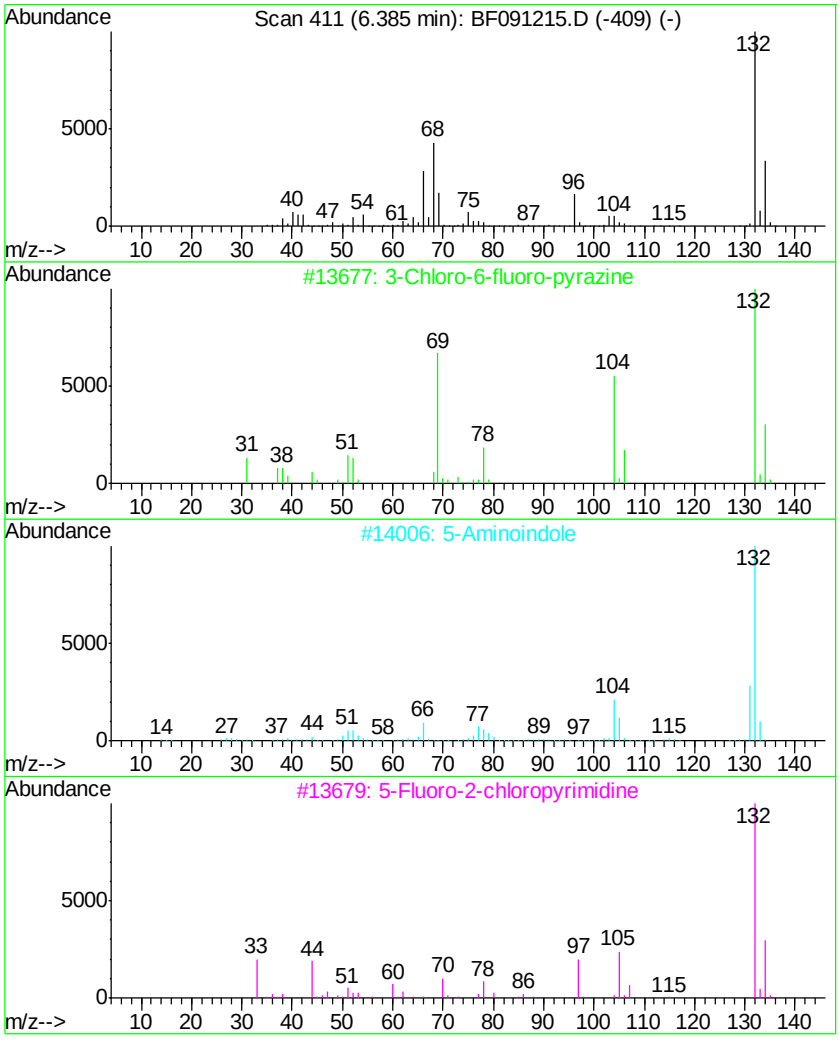
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

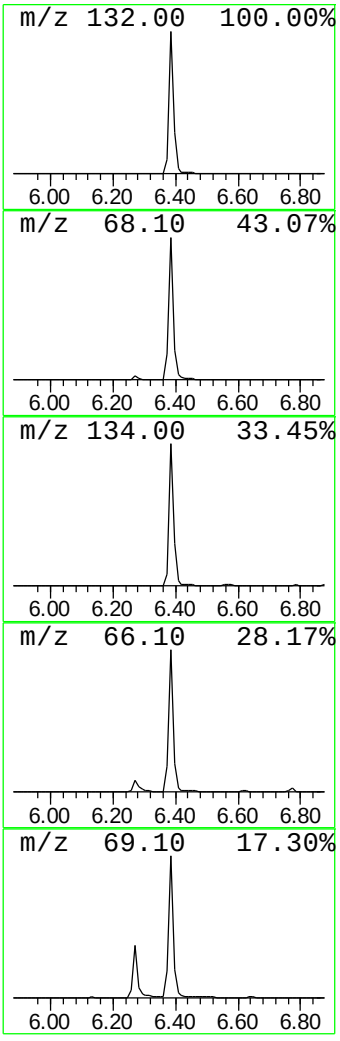
****

Peak Number 2 unknown6.38 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	64.52 ng	3832030	1,4-Dichlorobenzene-d4	6.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

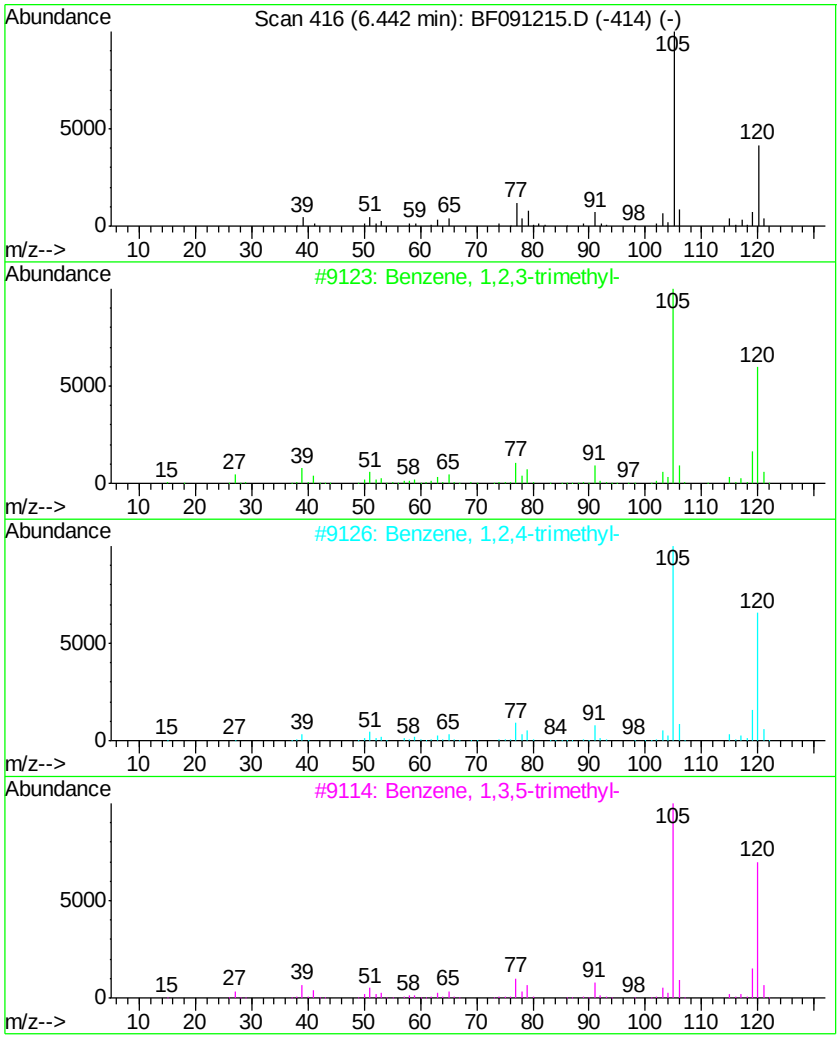
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

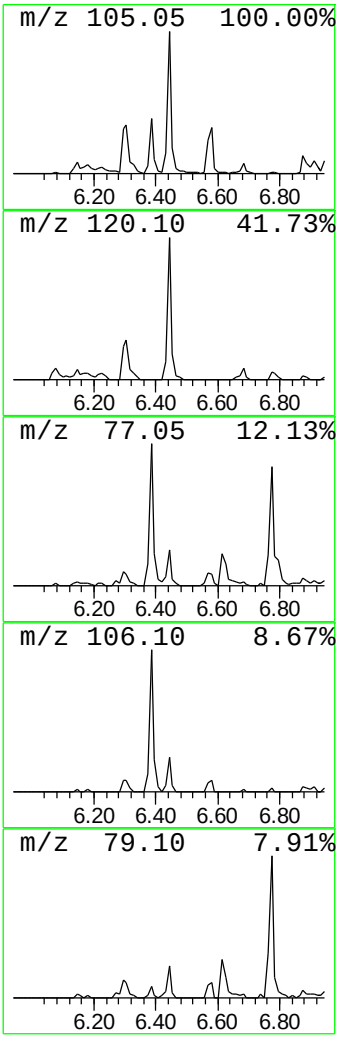
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	3.78 ng	224762	1,4-Dichlorobenzene-d4	6.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

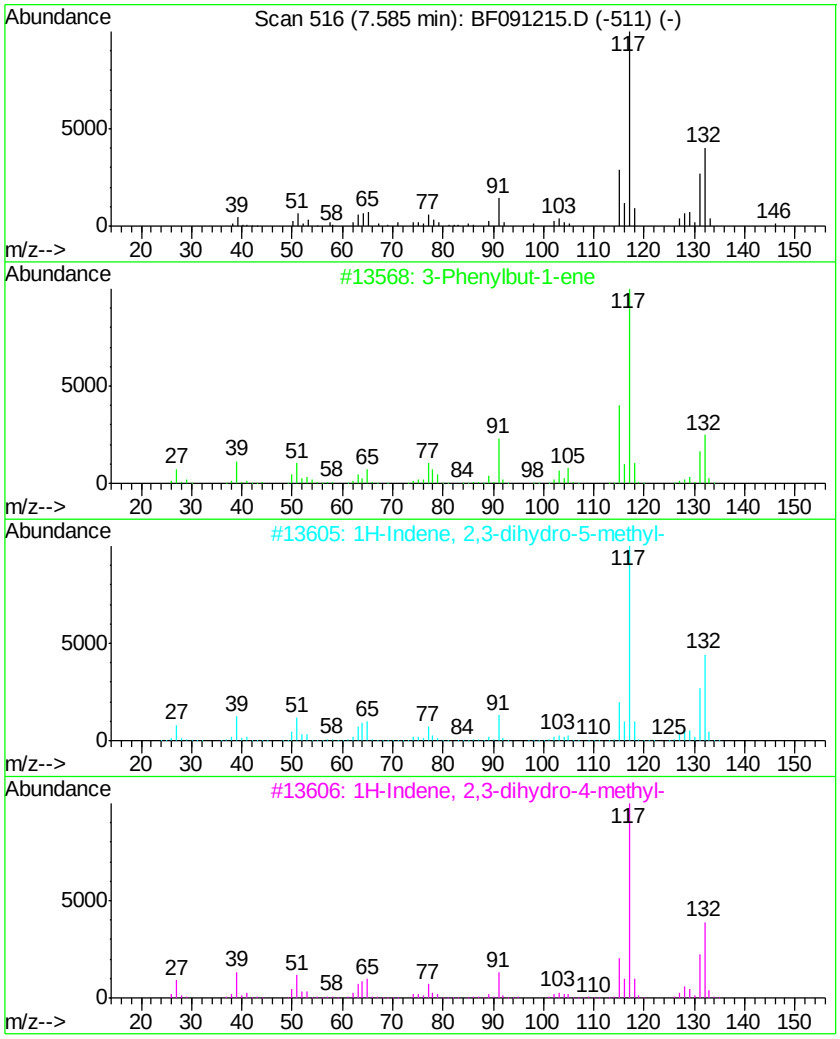
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

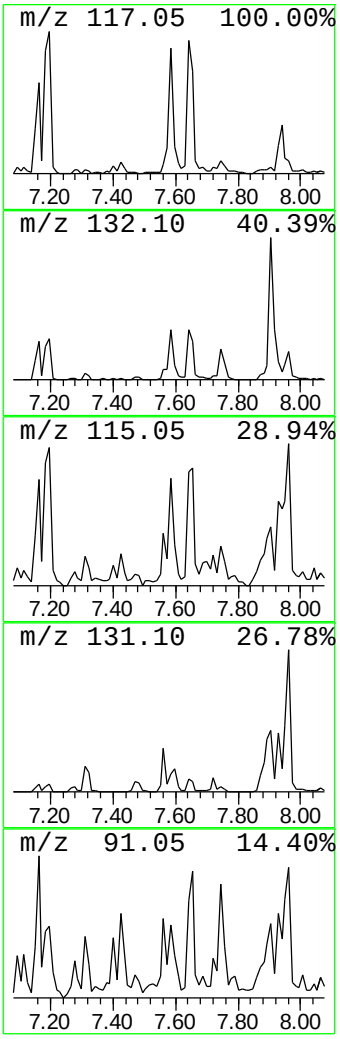
****

Peak Number 5 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	2.34 ng	220479	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

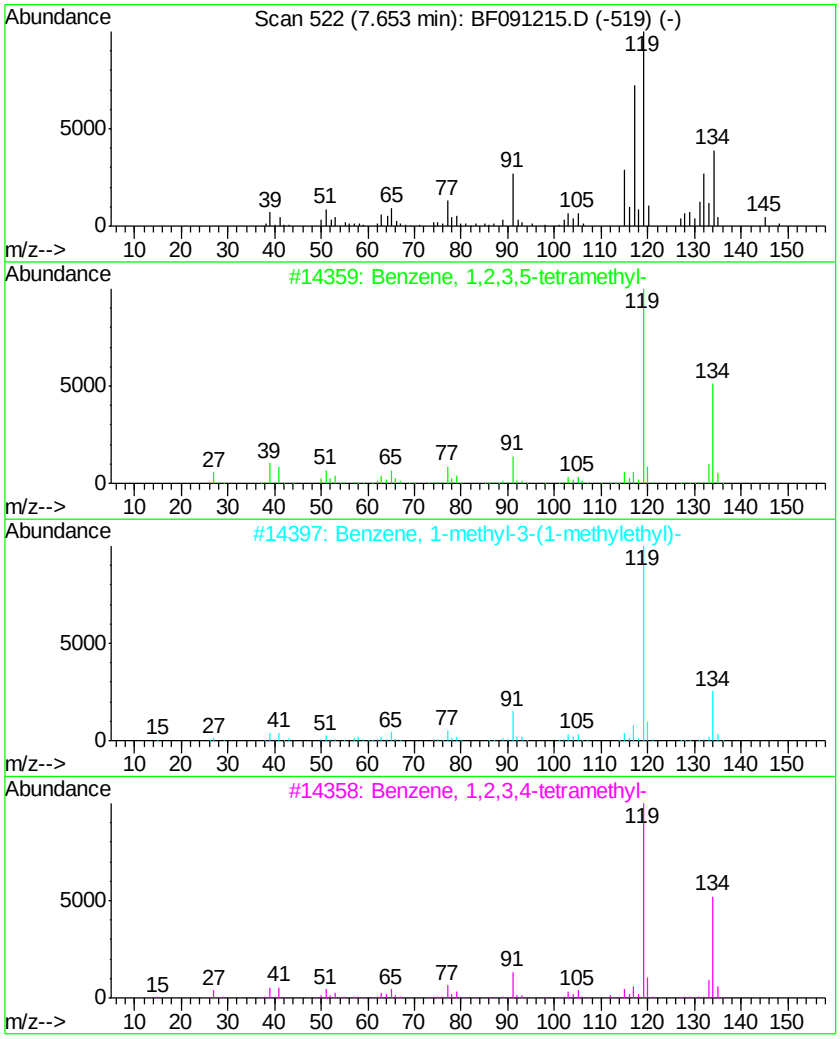
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

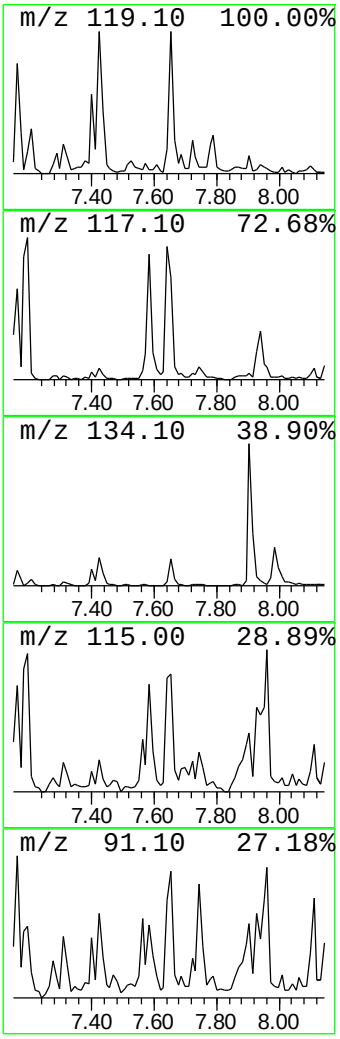
****

Peak Number 6 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	2.71 ng	254886	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

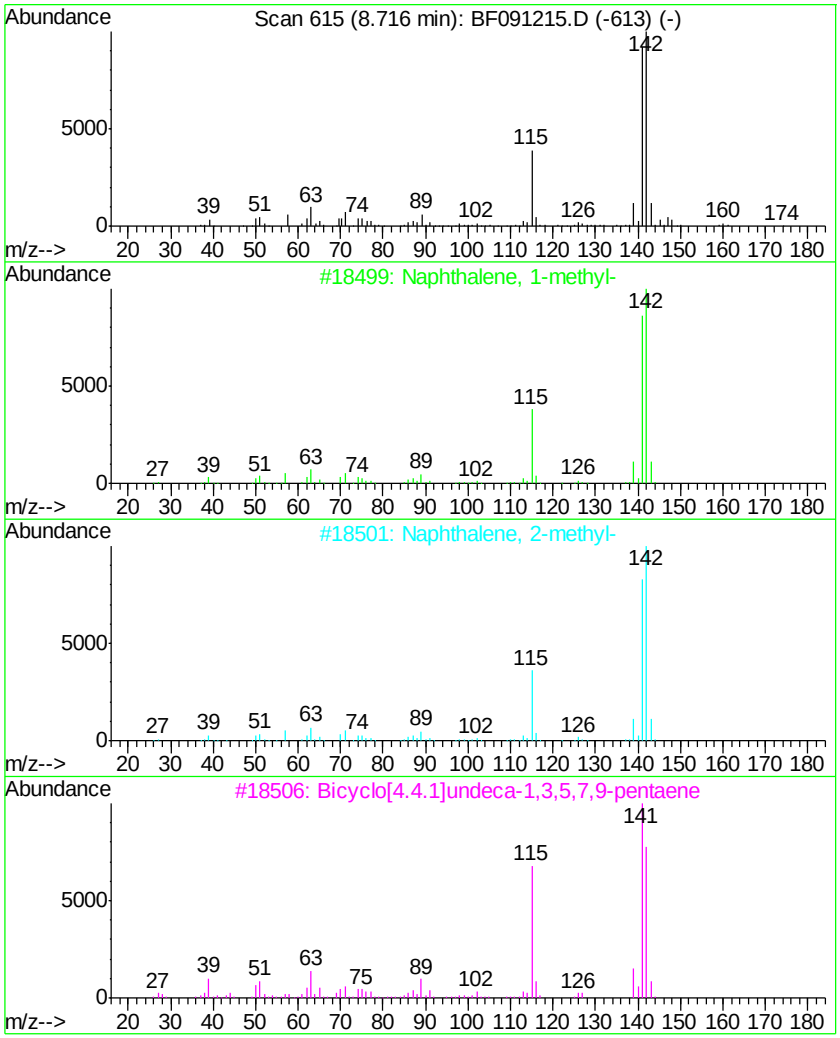
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

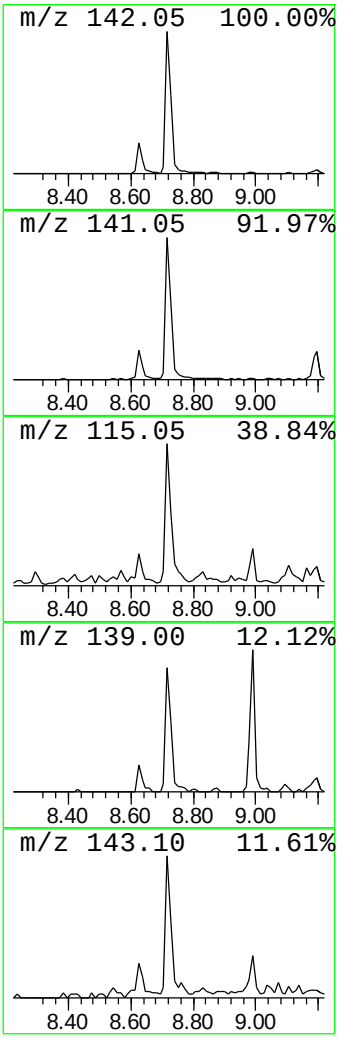
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	6.60 ng	620801	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

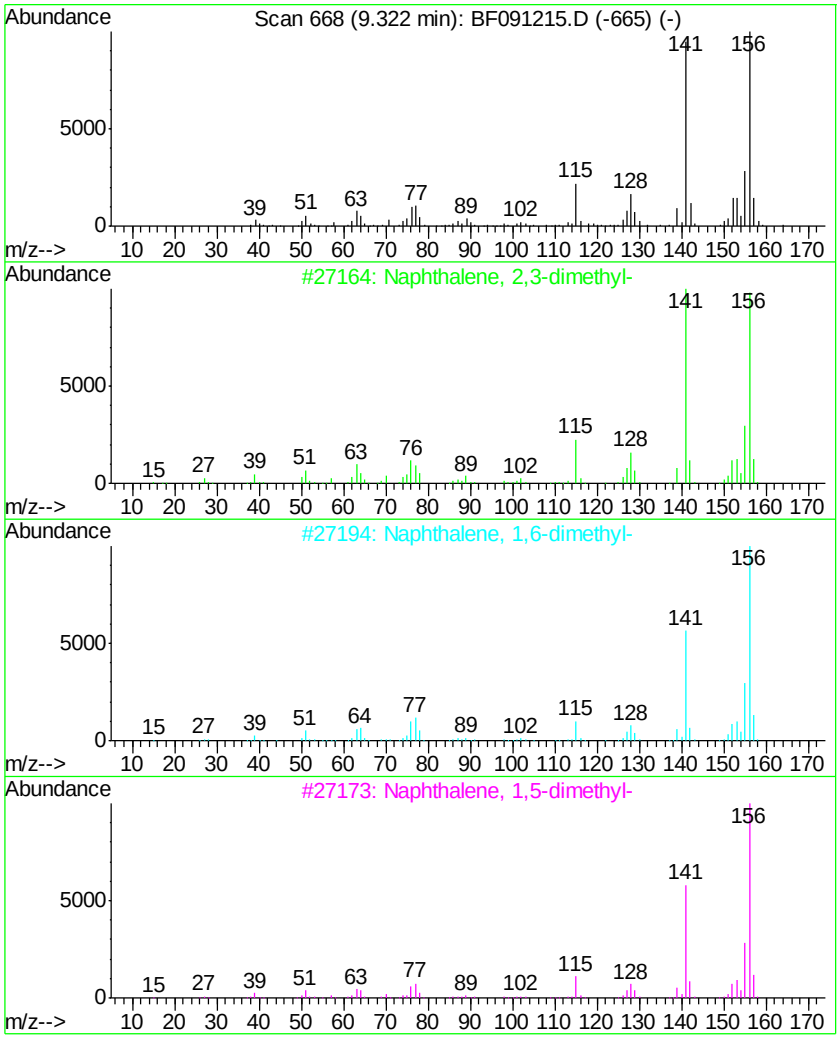
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

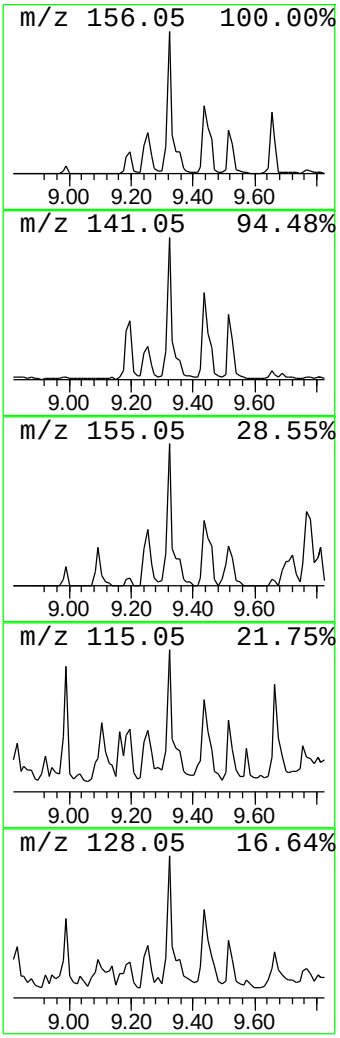
****

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	2.66 ng	265396	Acenaphthene-d10	9.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

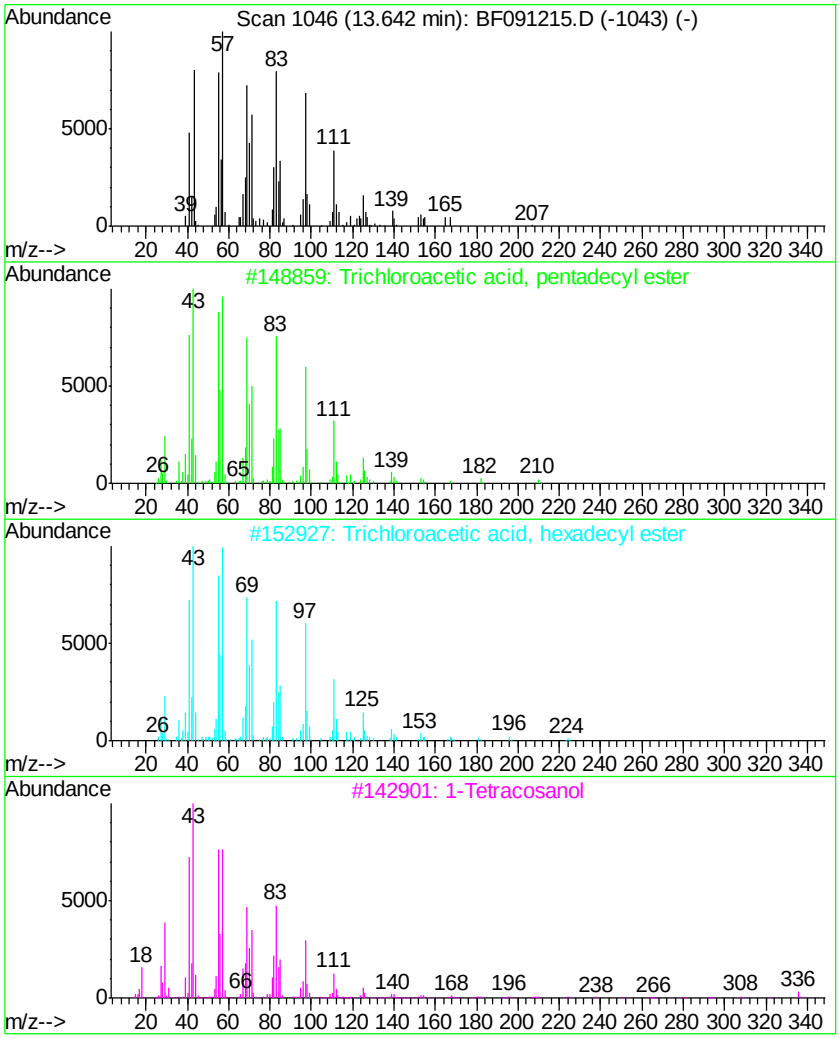
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

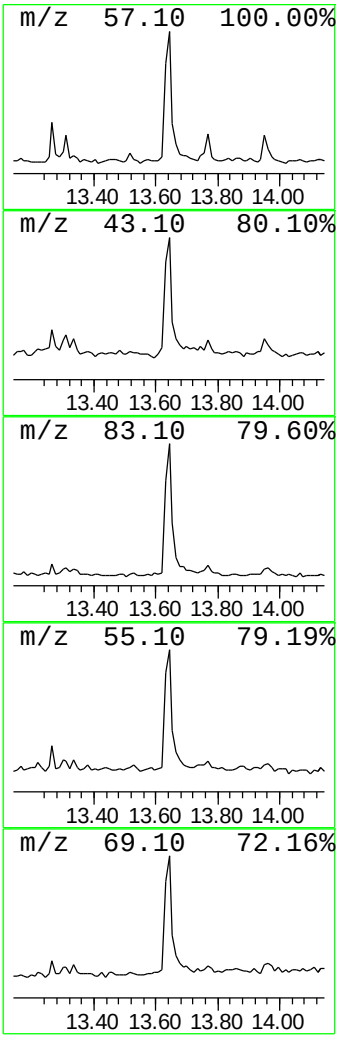
****

Peak Number 11 Trichloroacetic acid, penta... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.21 ng	155704	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
3	1-Tetracosanol	354	C24H50O	000506-51-4	90
4	1-Docosene	308	C22H44	001599-67-3	90
5	1-Nonadecene	266	C19H38	018435-45-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
Data File : BF091215.D
Acq On : 17 Nov 2016 16:35
Operator : UM/SJ
Sample : H5686-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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...	4.74	9.2	ng	543426	1	6.61	1187860	20.0
unknown6.38	6.38	64.5	ng	3832030	1	6.61	1187860	20.0
Benzene, 1,2,3-tr...	6.44	3.8	ng	224762	1	6.61	1187860	20.0
3-Phenylbut-1-ene	7.58	2.3	ng	220479	2	7.90	1881520	20.0
Benzene, 1,2,3,5-...	7.65	2.7	ng	254886	2	7.90	1881520	20.0
Naphthalene, 1-me...	8.72	6.6	ng	620801	2	7.90	1881520	20.0
Naphthalene, 2,3-...	9.32	2.7	ng	265396	3	9.65	1996150	20.0
Trichloroacetic a...	13.64	2.2	ng	155704	5	13.77	1410180	20.0