LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

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-BF081916.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	1.644	3	5	13	rVV	666598	1252103	7.88%	1.368%
2	1.758	13	15	65	rVB	5735766	15897755	100.00%	17.364%
3	4.776	276	279	289	rBV	443518	588080	3.70%	0.642%
4	5.222	315	318	320	rBV	3398047	3225337	20.29%	3.523%
5	6.285	408	411	413	rVB	2530020	2280395	14.34%	2.491%
6	6.410	419	422	424	rBV	4952182	5522060	34.73%	6.031%
7	6.650	441	443	445	rBV	2095289	1934196	12.17%	2.113%
8	6.810	454	457	458	rBV	5320637	6215893	39.10%	6.789%
9	6.833	458	459	461	rVV	546996	387476	2.44%	0.423%
10	6.982	470	472	476	rBV	110088	181802	1.14%	0.199%
11	7.222	488	493	495	rBV	4431687	5982744	37.63%	6.535%
12	7.428	508	511	513	rBV	435647	478145	3.01%	0.522%
13	7.610	523	527	530	rBV3	374755	552172	3.47%	0.603%
14	7.679	530	533	535	rVV	1441149	1396804	8.79%	1.526%
15	7.930	553	555	559	rBV	2933631	3200818	20.13%	3.496%
16	7.988	559	560	562	rVB	593442	433515	2.73%	0.474%
17	8.216	578	580	581	rBV2	225997	218879	1.38%	0.239%
18	8.319	587	589	591	rVB	277251	297814	1.87%	0.325%
19	8.399	591	596	598	rBV	312563	505539	3.18%	0.552%
20	8.445	598	600	603	rVV3	129321	273479	1.72%	0.299%
21	8.502	603	605	606	rVV2	142530	183487	1.15%	0.200%
22	8.525	606	607	609	rVB2	273561	215969	1.36%	0.236%
23	8.570	609	611	612	rBV2	106163	163464	1.03%	0.179%
24	8.593	612	613	615	rVB	370328	294181	1.85%	0.321%
25	8.639	615	617	620	rBV	712432	927919	5.84%	1.014%
26	8.742	623	626	628	rBV	2217799	1993421	12.54%	2.177%
27	8.776	628	629	632	rVB2	138447	199250	1.25%	0.218%
28	8.856	632	636	637	rBV4	99003	237816	1.50%	0.260%
29	9.016	647	650	652	rBV	8027205	7946233	49.98%	8.679%
30	9.211	664	667	669	rVB	199445	352970	2.22%	0.386%
31	9.268	669	672	674	rBV	579335	787137	4.95%	0.860%
32	9.336	676	678	680	rVV	626220	996967	6.27%	1.089%
33	9.405	683	684	687	rVV	183426	204427	1.29%	0.223%
34	9.473	687	690	691	rVV2	238244	469618	2.95%	0.513%

LSC Area Percent Report

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Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

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-BF081916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.542	694	696	698	rBV	265484	268363	1.69%	0.293%
36	9.679	705	708	710	rBV	3575239	3163741	19.90%	3.456%
37	9.713	710	711	714	rVV2	118209	207161	1.30%	0.226%
38	9.782	716	717	720	rVV2	106845	181006	1.14%	0.198%
39	9.885	723	726	728	rVV2	181479	207431	1.30%	0.227%
40	9.999	734	736	737	rBV	227581	259087	1.63%	0.283%
41	10.102	741	745	747	rVV3	117542	192520	1.21%	0.210%
42	10.171	747	751	754	rVB5	91284	194861	1.23%	0.213%
43	10.216	754	755	757	rBV	206436	180831	1.14%	0.198%
44	10.285	759	761	764	rVB	332926	360068	2.26%	0.393%
45	10.468	774	777	779	rBV	4276207	4940873	31.08%	5.397%
46	10.799	804	806	809	rVV3	108551	195656	1.23%	0.214%
47	11.154	834	837	839	rBV	3370342	3046043	19.16%	3.327%
48	12.742	973	976	978	rBV	6779136	7451126	46.87%	8.138%
49	13.771	1063	1066	1068	rBV	2911940	2747390	17.28%	3.001%
50	15.120	1181	1184	1187	rBV	1766128	2160415	13.59%	2.360%

Sum of corrected areas: 91554437

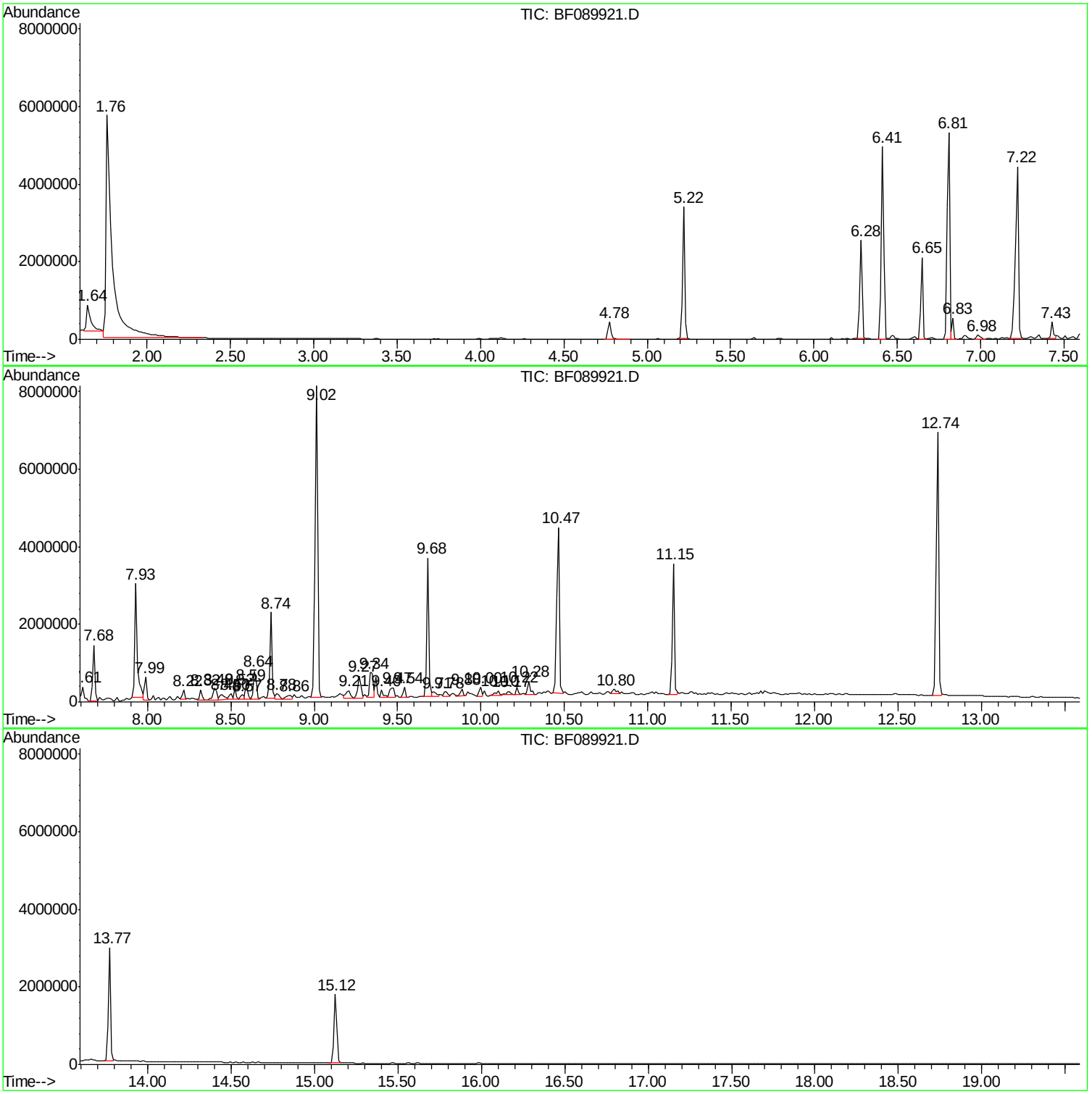
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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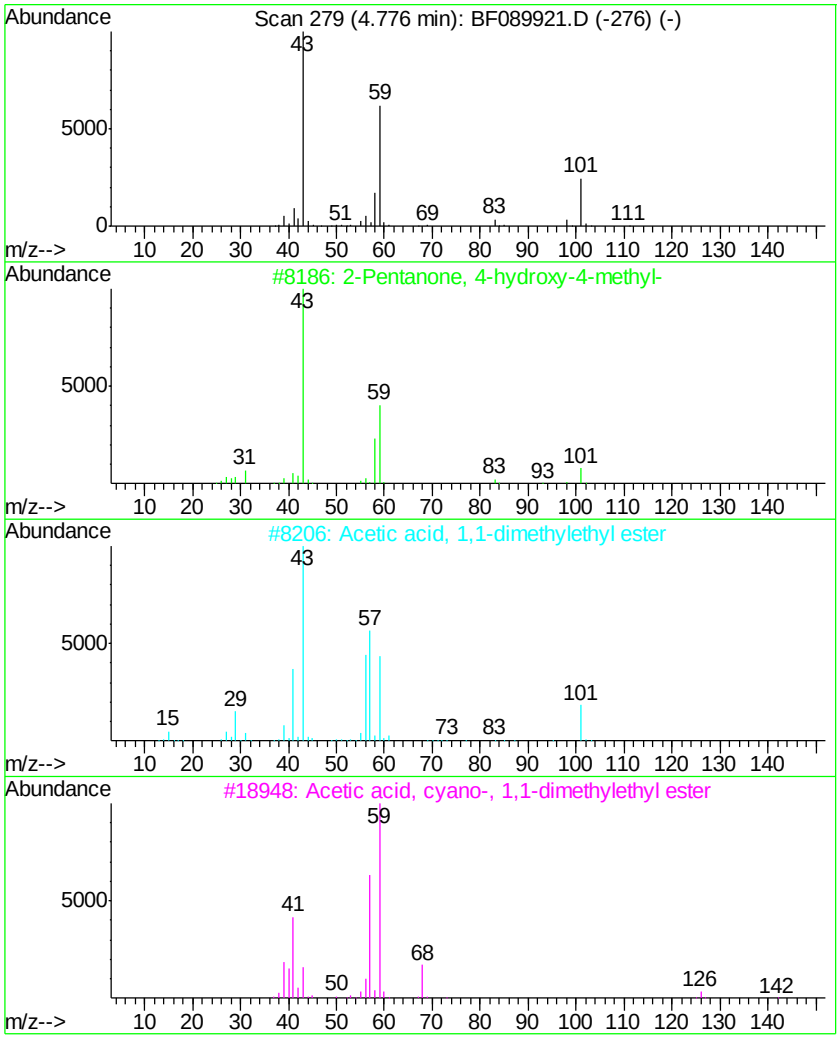
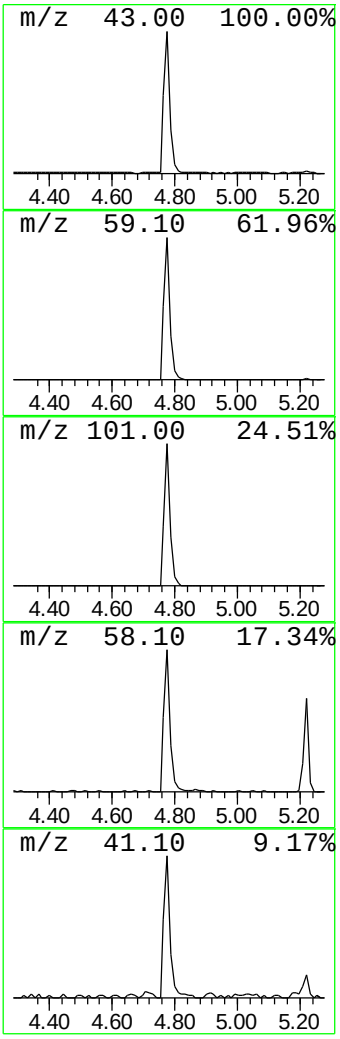
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	6.08 ng	588080	1,4-Dichlorobenzene-d4	6.65

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	25
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\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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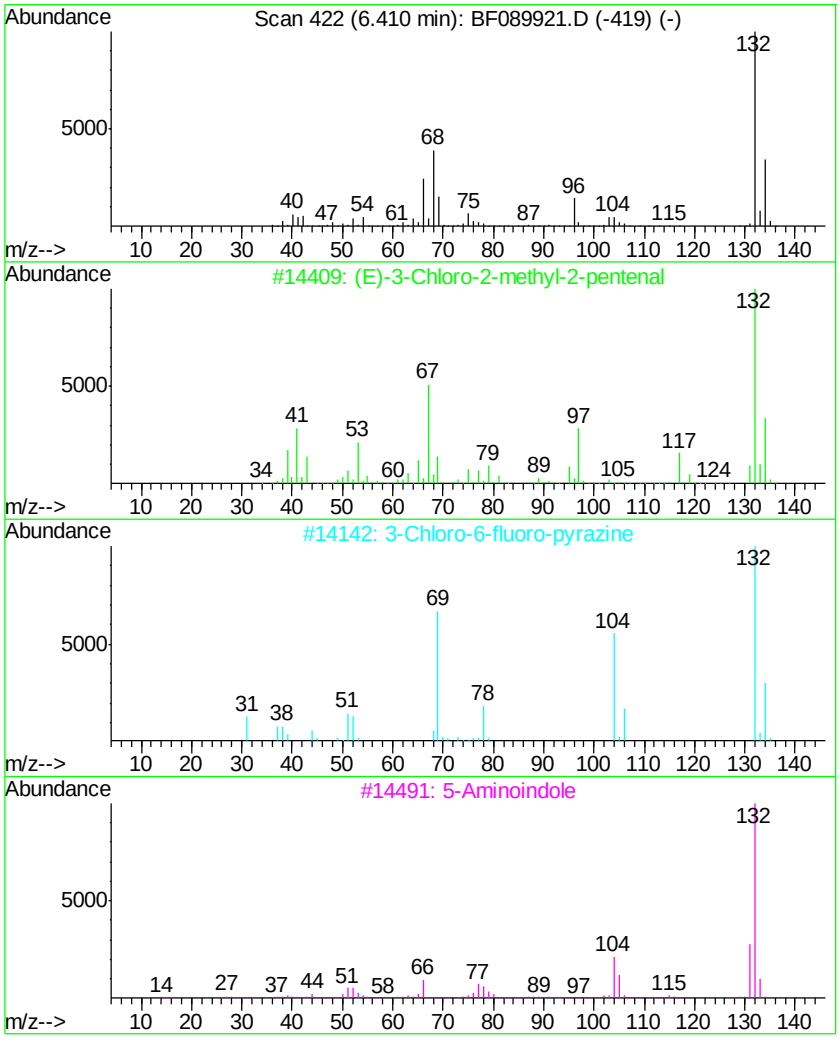
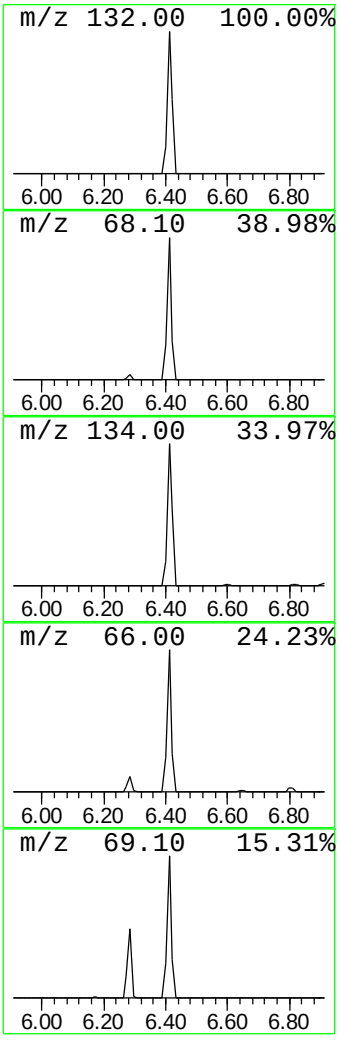
Peak Number 4 unknown6.41 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	57.10 ng	5522060	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

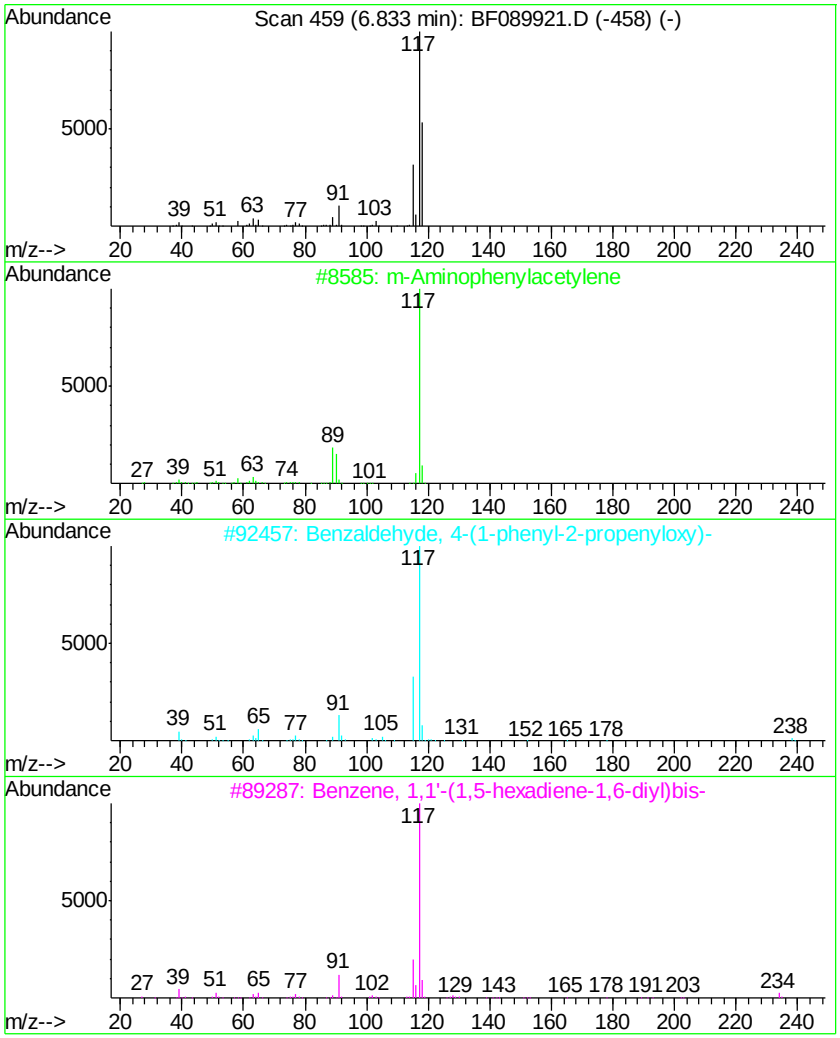
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

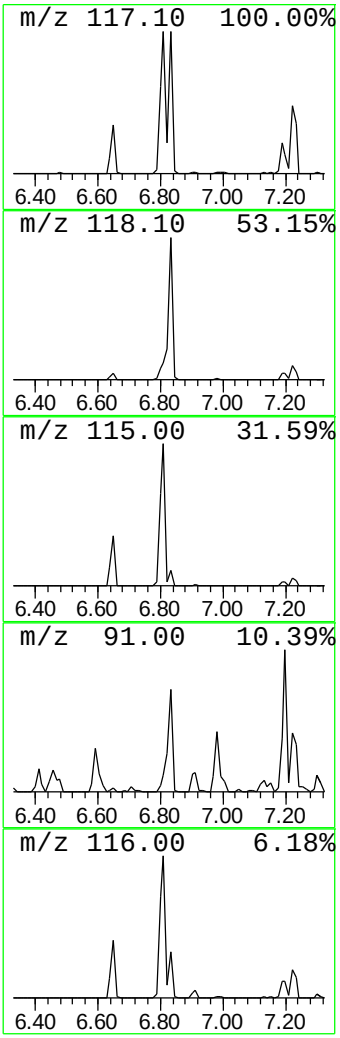
****

Peak Number 6 unknown6.83 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	4.01 ng	387476	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Aminophenylacetylene	117	C8H7N	054060-30-9	43
2	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	42
3	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	42
4	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	42
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

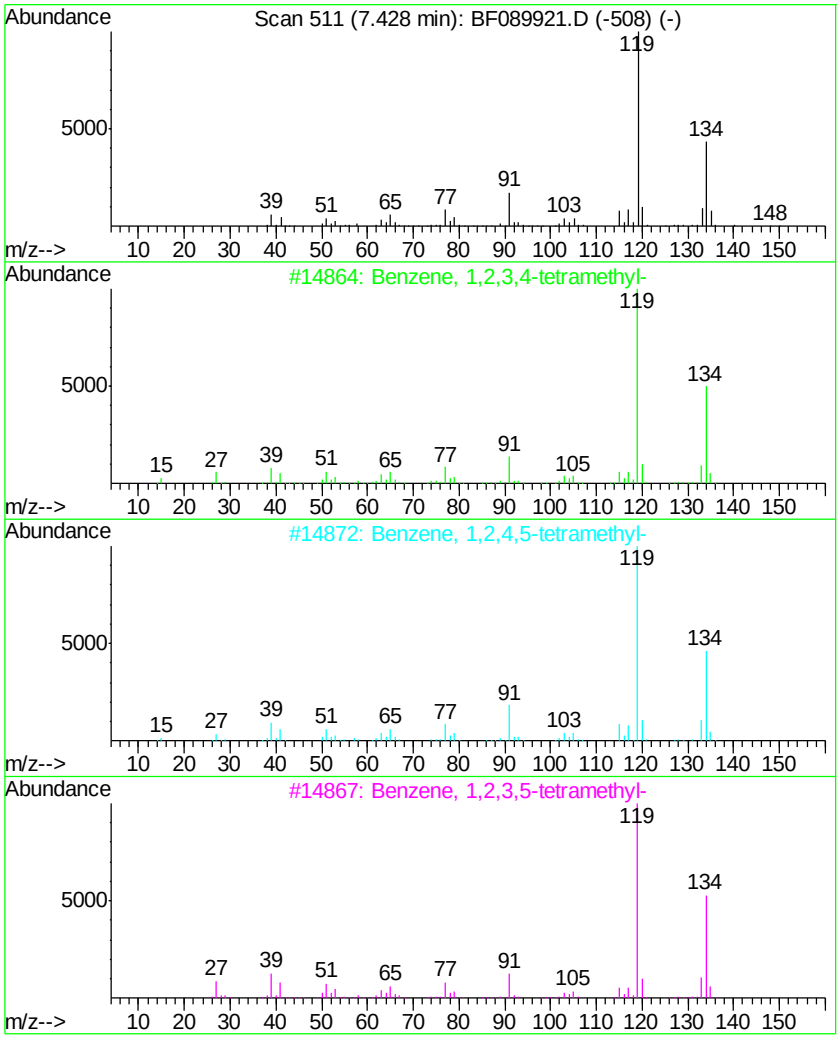
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

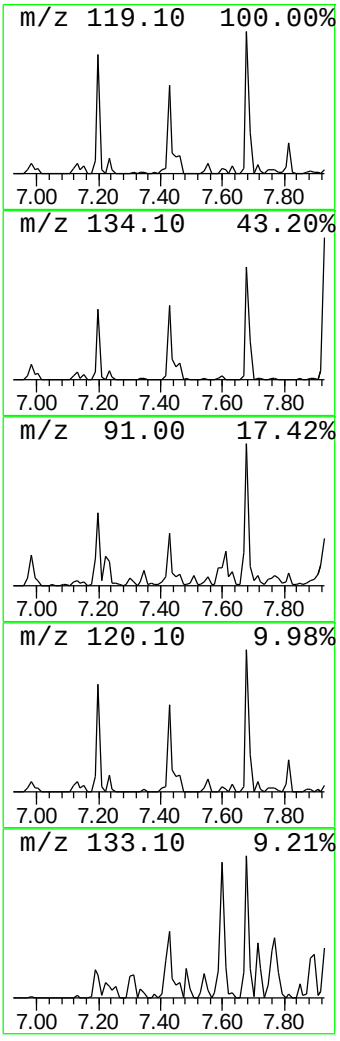
****

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	2.99 ng	478145	Naphthalene-d8	7.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

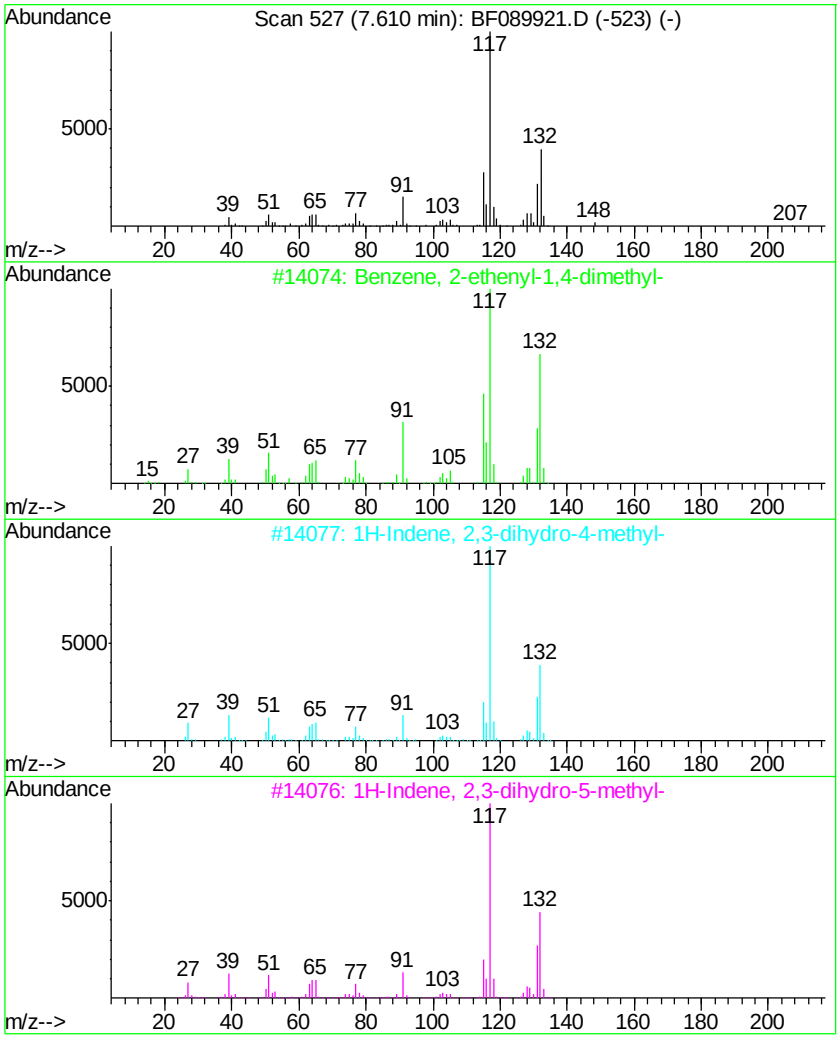
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

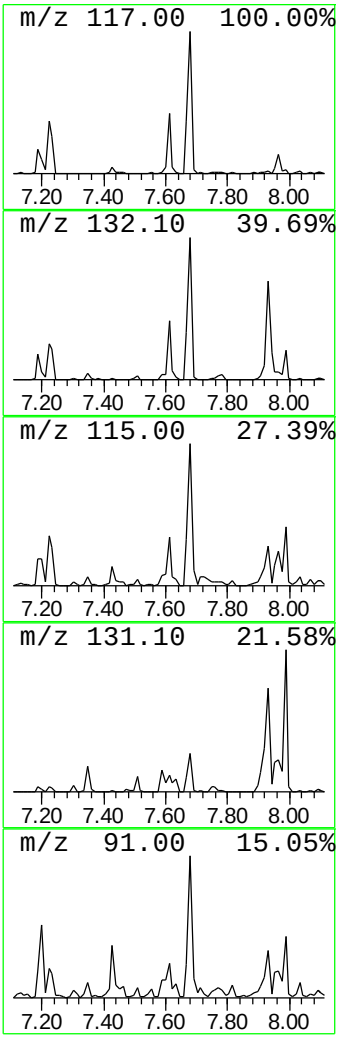
****

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	3.45 ng	552172	Naphthalene-d8	7.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

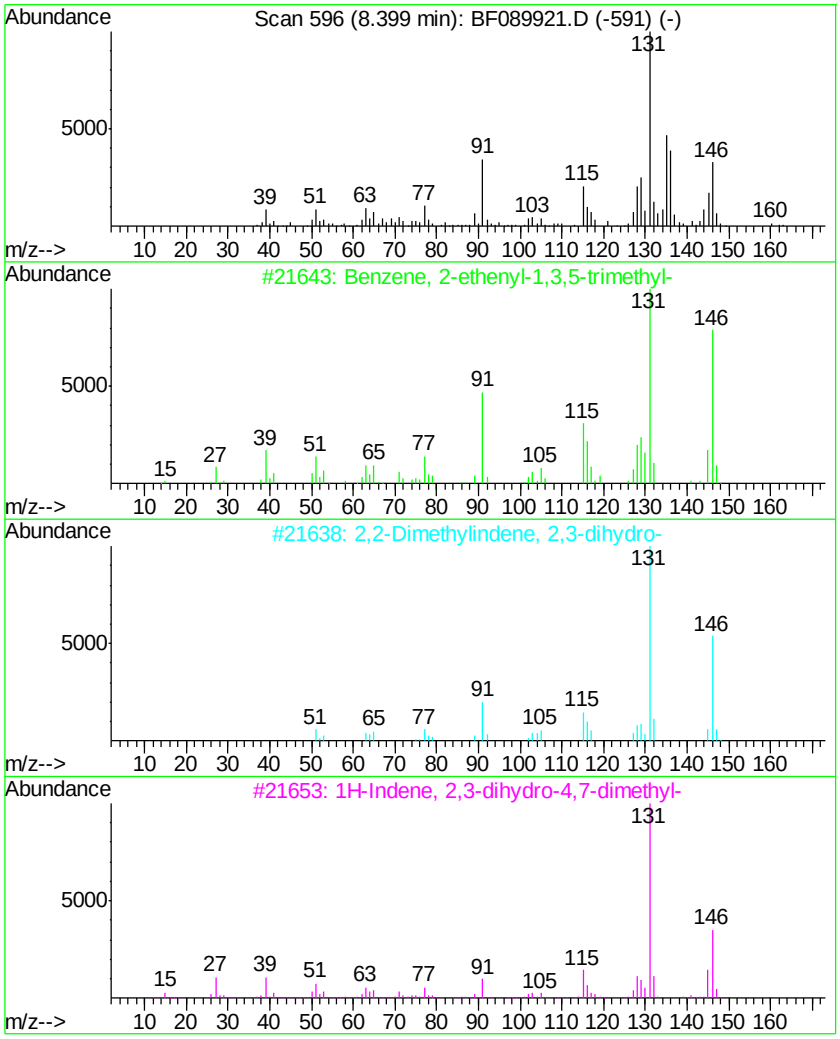
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

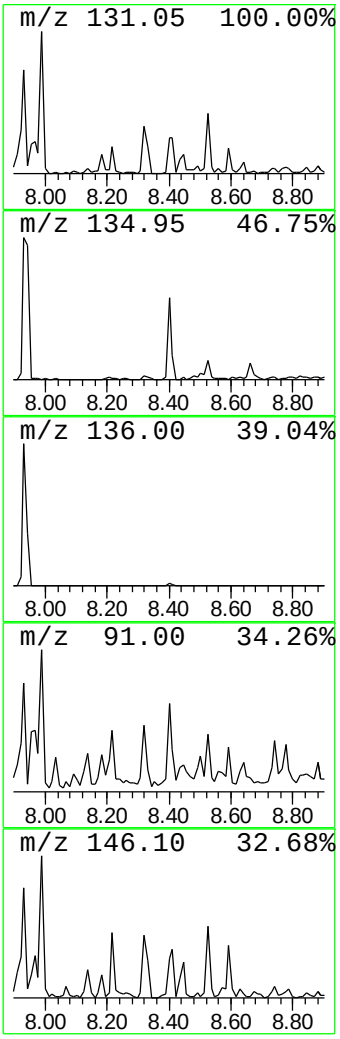
****

Peak Number 10 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	3.16 ng	505539	Naphthalene-d8	7.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	55
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	49
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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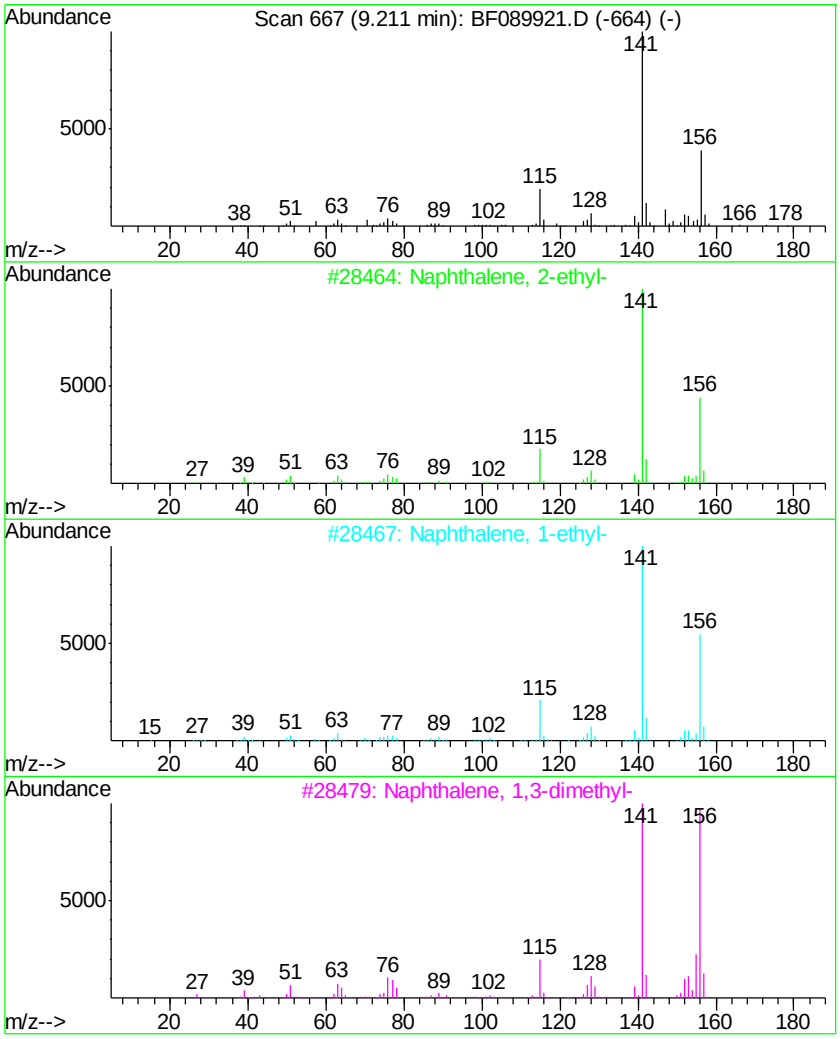
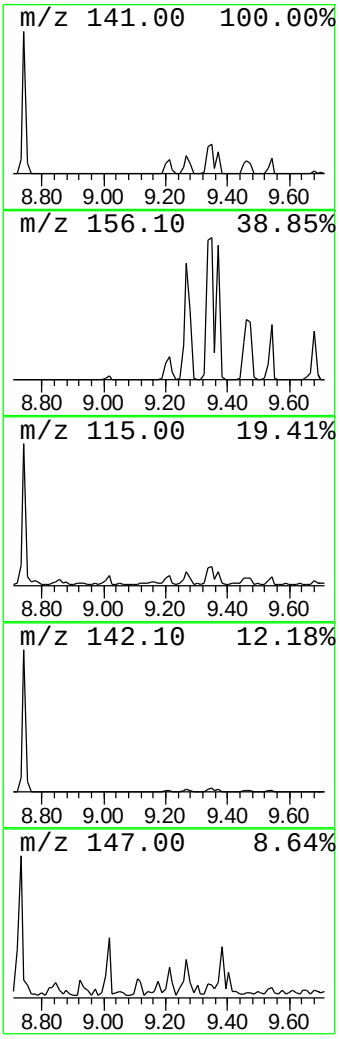
Peak Number 12 Naphthalene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	2.23 ng	352970	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5	2',5'-Difluoroacetophenone	156	C8H6F2O	001979-36-8	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

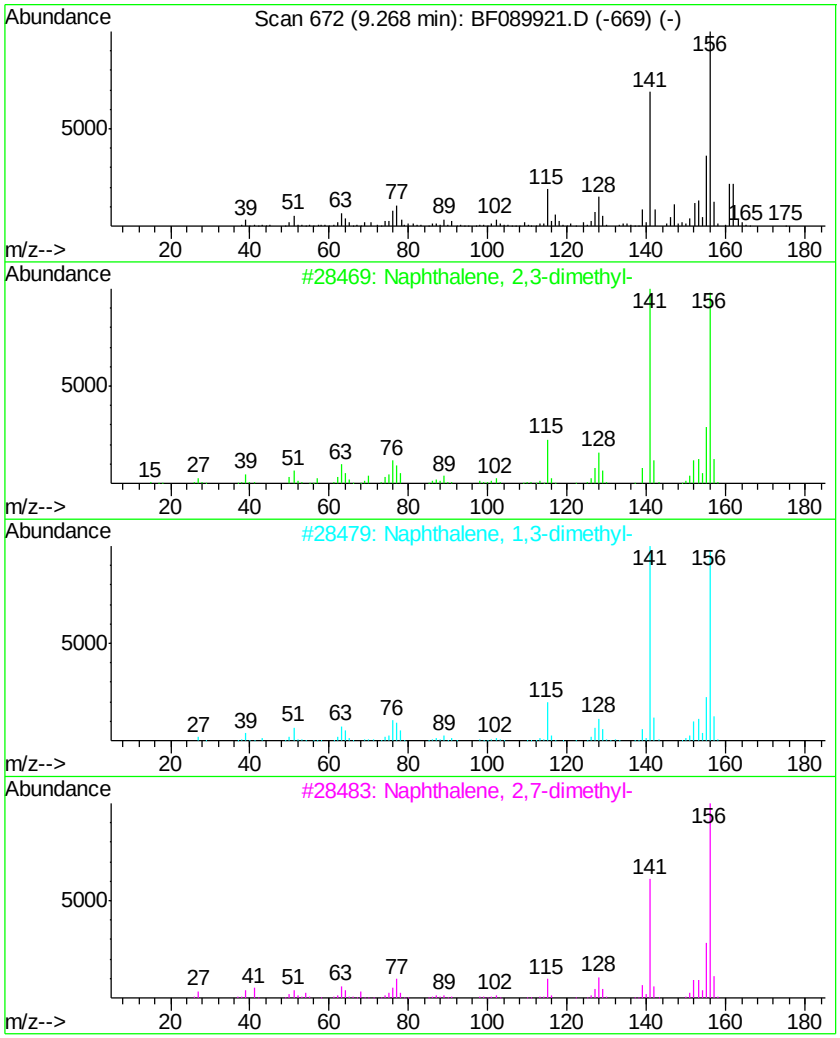
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

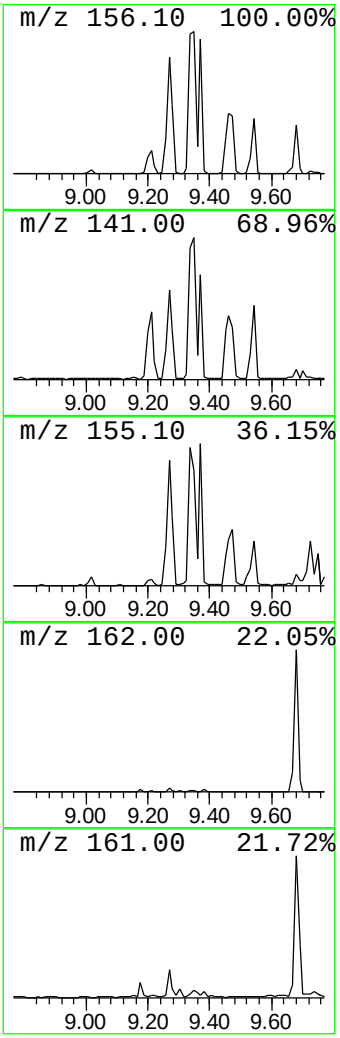
****

Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	4.98 ng	787137	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

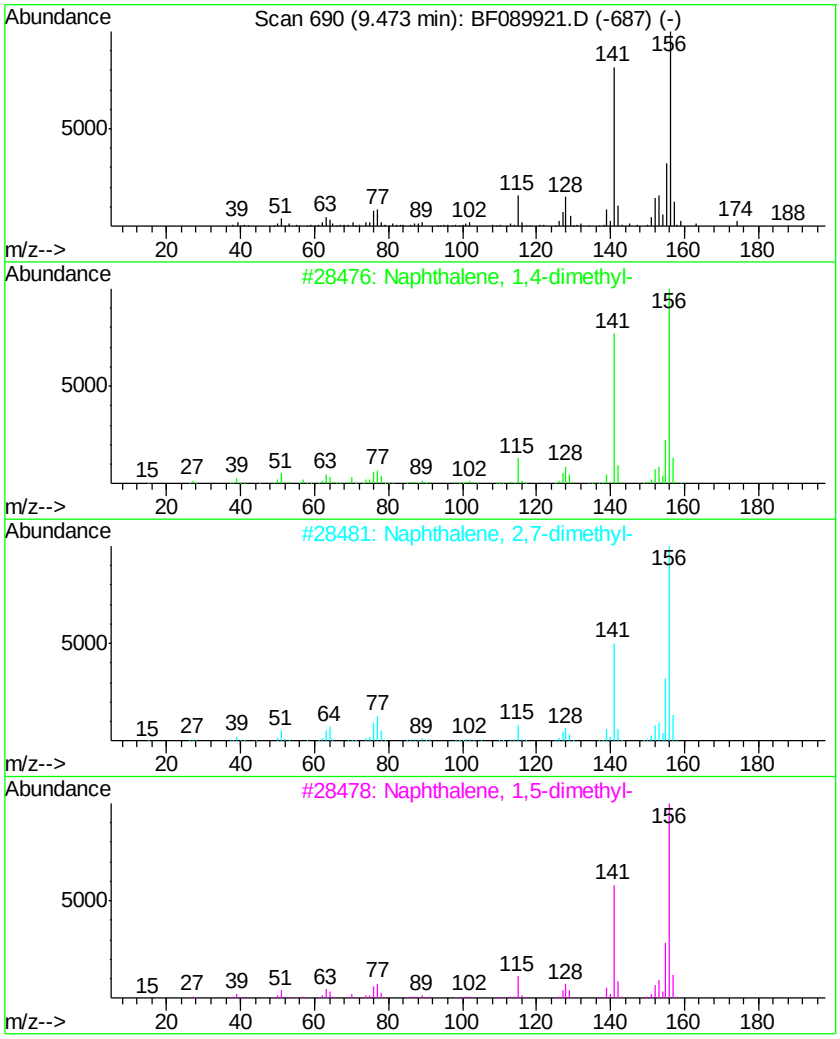
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

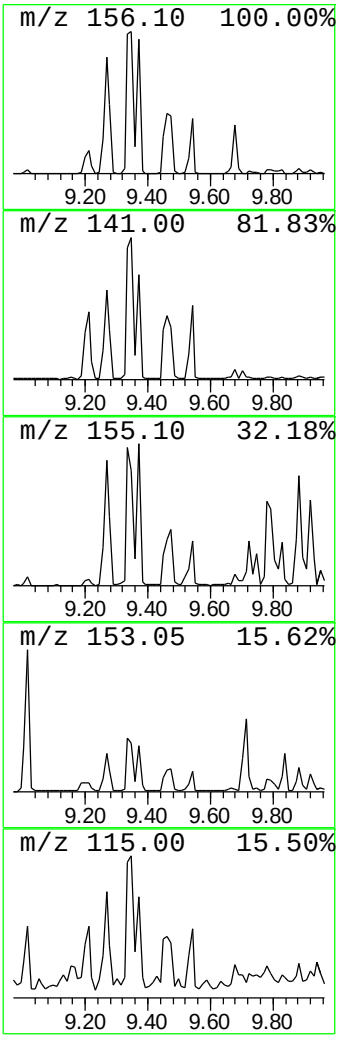
****

Peak Number 15 Naphthalene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	2.97 ng	469618	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

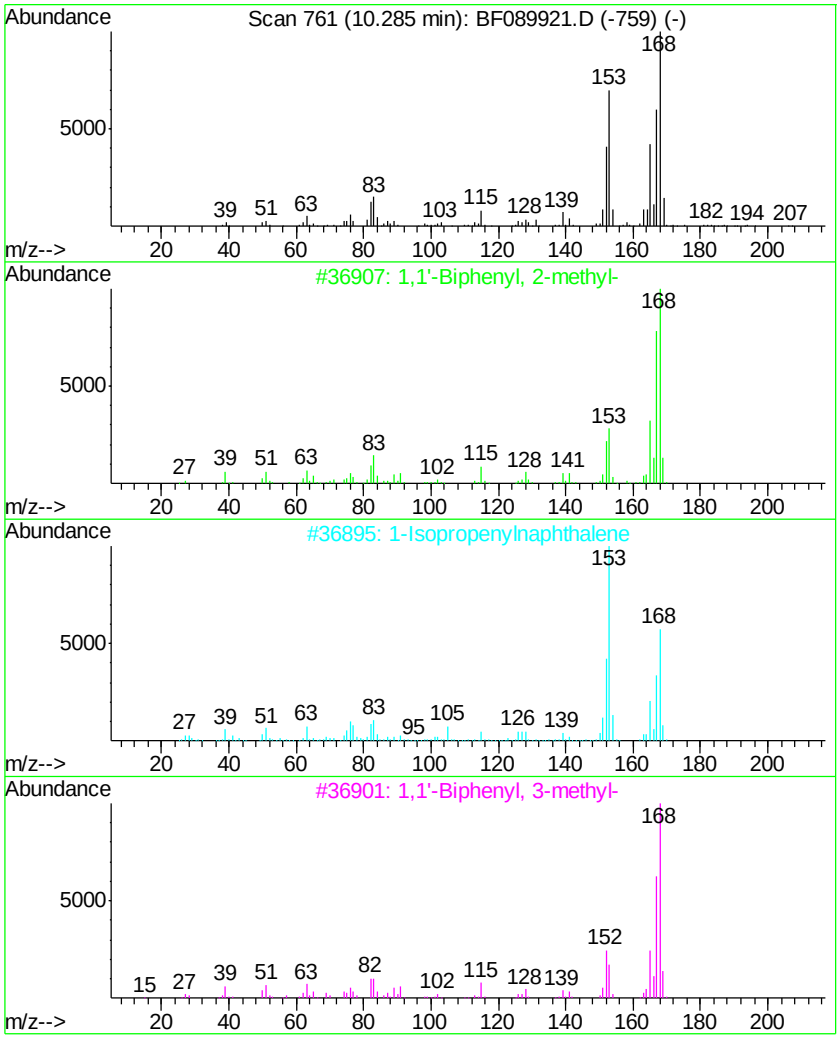
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

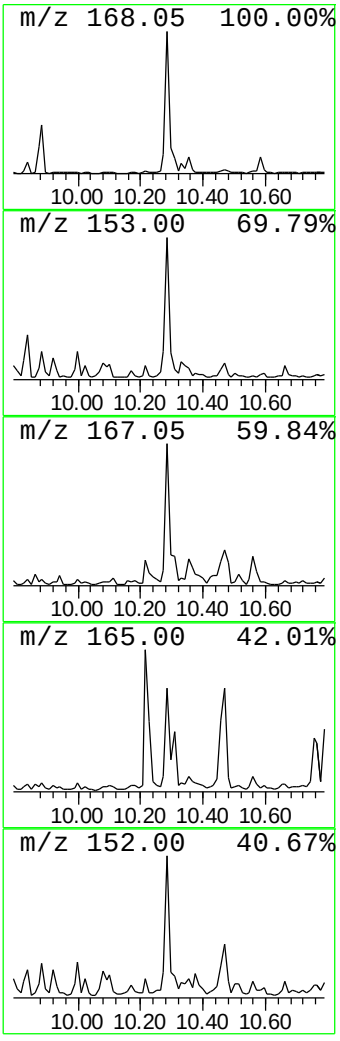
****

Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	2.28 ng	360068	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	60
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089921.D
Acq On : 26 Aug 2016 21:32
Operator : UM/SJ
Sample : H4598-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.78	6.1	ng	588080	1	6.65	1934200	20.0
unknown6.41	6.41	57.1	ng	5522060	1	6.65	1934200	20.0
unknown6.83	6.83	4.0	ng	387476	1	6.65	1934200	20.0
Benzene, 1,2,3,4-...	7.43	3.0	ng	478145	2	7.93	3200820	20.0
Benzene, 2-etheny...	7.61	3.5	ng	552172	2	7.93	3200820	20.0
Benzene, 2-etheny...	8.40	3.2	ng	505539	2	7.93	3200820	20.0
Naphthalene, 2-et...	9.21	2.2	ng	352970	3	9.68	3163740	20.0
Naphthalene, 2,3-...	9.27	5.0	ng	787137	3	9.68	3163740	20.0
Naphthalene, 1,4-...	9.47	3.0	ng	469618	3	9.68	3163740	20.0
1,1'-Biphenyl, 2-...	10.29	2.3	ng	360068	3	9.68	3163740	20.0