LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
Data File : BF087689.D
Acq On : 5 Jun 2016 5:10
Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

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-BF060416.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	1.770	15	16	26	rVB	195317	345228	2.51%	0.482%
2	1.907	26	28	46	rVB	1500873	2634425	19.19%	3.678%
3	2.136	46	48	65	rVB	85298	208586	1.52%	0.291%
4	5.039	300	302	306	rBV	122752	147606	1.08%	0.206%
5	5.450	333	338	340	rBV	1678224	1805487	13.15%	2.521%
6	6.022	386	388	390	rVB	662861	550239	4.01%	0.768%
7	6.319	411	414	416	rBV	252940	235715	1.72%	0.329%
8	6.388	417	420	421	rVV	2594731	2469529	17.99%	3.448%
9	6.410	421	422	424	rVV	1067553	1393114	10.15%	1.945%
10	6.479	424	428	430	rVV2	1122576	1663483	12.12%	2.323%
11	6.548	431	434	436	rVV	510543	496720	3.62%	0.694%
12	6.628	438	441	442	rBV	2639589	3133398	22.82%	4.375%
13	6.685	444	446	449	rVB2	2351935	2796644	20.37%	3.905%
14	6.856	459	461	465	rBV	858765	887138	6.46%	1.239%
15	6.913	465	466	468	rVV	640597	841250	6.13%	1.175%
16	6.959	468	470	472	rVV	749145	724467	5.28%	1.012%
17	7.016	472	475	479	rVB2	2700475	2963502	21.58%	4.138%
18	7.119	481	484	485	rVV	492817	518313	3.77%	0.724%
19	7.188	487	490	491	rBV	264967	278972	2.03%	0.390%
20	7.428	506	511	513	rBV	2156608	3043477	22.17%	4.250%
21	7.668	530	532	534	rVB	124334	168233	1.23%	0.235%
22	7.816	543	545	548	rVB	326070	403289	2.94%	0.563%
23	7.896	548	552	554	rBV2	1498855	2713540	19.76%	3.789%
24	7.931	554	555	559	rVV	1729782	2730014	19.88%	3.812%
25	8.022	559	563	565	rVB	425696	473988	3.45%	0.662%
26	8.182	571	577	578	rBV2	5036941	13730501	100.00%	19.171%
27	8.239	581	582	584	rVB	236263	170139	1.24%	0.238%
28	8.502	600	605	607	rBV	122961	235224	1.71%	0.328%
29	8.605	610	614	617	rVV	82483	235346	1.71%	0.329%
30	8.856	634	636	639	rVV	1927502	2677205	19.50%	3.738%
31	8.959	642	645	647	rVB	2735268	2741481	19.97%	3.828%
32	9.222	665	668	671	rBV	3102049	4214237	30.69%	5.884%
33	9.325	674	677	679	rVV	427230	412707	3.01%	0.576%
34	9.416	681	685	688	rVV	216788	238115	1.73%	0.332%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3344-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-8

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-BF060416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.554	695	697	699	rVV	208201	244274	1.78%	0.341%
36	9.611	701	702	705	rVV	191229	241692	1.76%	0.337%
37	9.896	724	727	729	rBV	1217537	1359510	9.90%	1.898%
38	9.931	729	730	732	rVV	1472546	1100906	8.02%	1.537%
39	10.136	746	748	751	rBV	260187	248646	1.81%	0.347%
40	10.445	773	775	777	rVB	235804	223551	1.63%	0.312%
41	10.685	793	796	799	rBV	2277930	2565461	18.68%	3.582%
42	11.382	854	857	858	rBV	1204846	1277714	9.31%	1.784%
43	11.908	901	903	906	rBV2	118878	144726	1.05%	0.202%
44	12.697	970	972	979	rBV	152756	185356	1.35%	0.259%
45	12.800	979	981	984	rVB2	100109	140616	1.02%	0.196%
46	12.971	993	996	998	rBV	3351202	3597107	26.20%	5.023%
47	13.920	1076	1079	1084	rBV2	78398	151192	1.10%	0.211%
48	14.011	1084	1087	1089	rBV	1208201	1073340	7.82%	1.499%
49	15.440	1209	1212	1215	rBV	641386	783978	5.71%	1.095%

Sum of corrected areas: 71619381

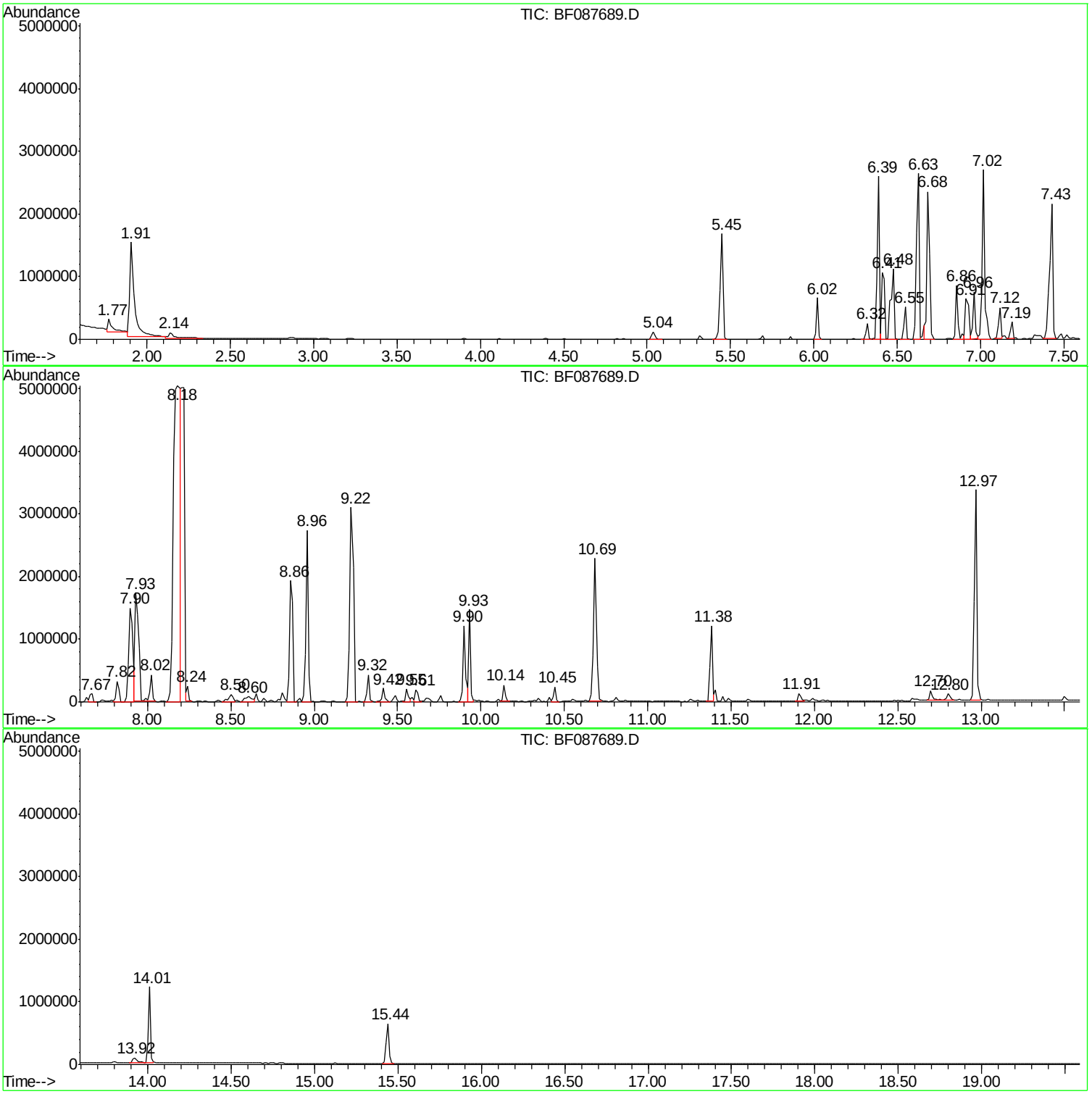
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
Data File : BF087689.D
Acq On : 5 Jun 2016 5:10
Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.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\BF060416\
Data File : BF087689.D
Acq On : 5 Jun 2016 5:10
Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.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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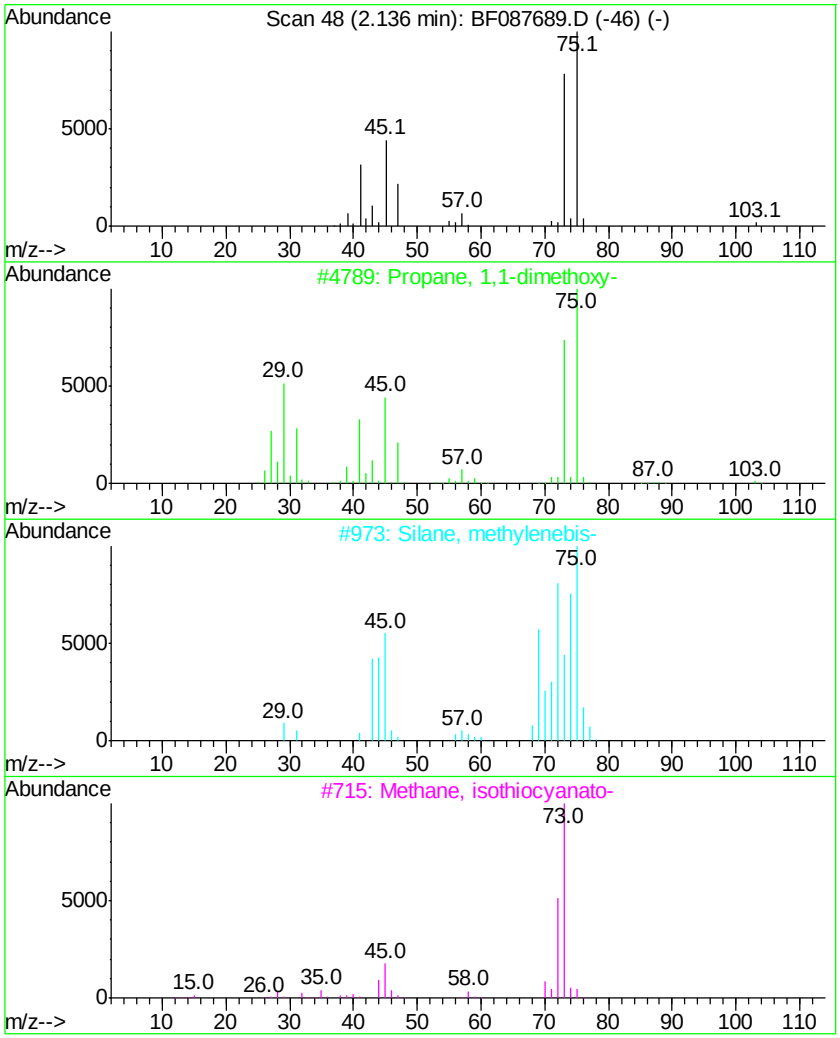
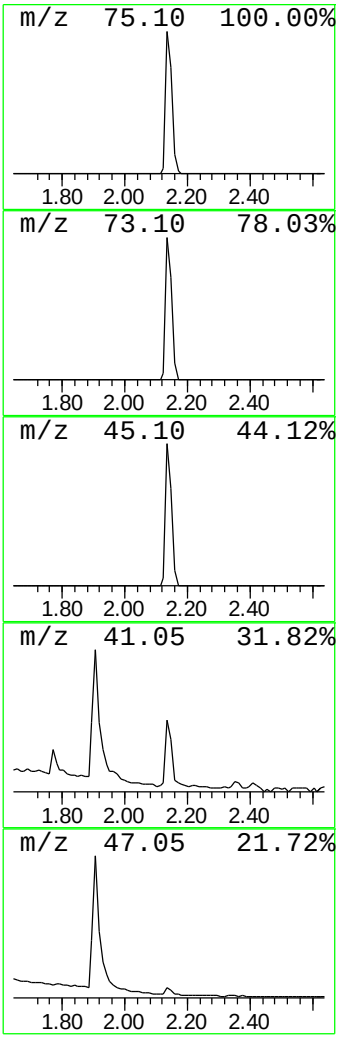
Peak Number 3 Propane, 1,1-dimethoxy- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	4.70 ng	208586	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Silane, methylenebis-	76	CH8Si2	001759-88-2	50
3	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9
4	1,3-Dioxolane, 2-(1,1-dimethylet...	130	C7H14O2	002568-29-8	9
5	.beta.-D-Glucopyranoside, methyl...	176	C7H12O5	003056-46-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
Data File : BF087689.D
Acq On : 5 Jun 2016 5:10
Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.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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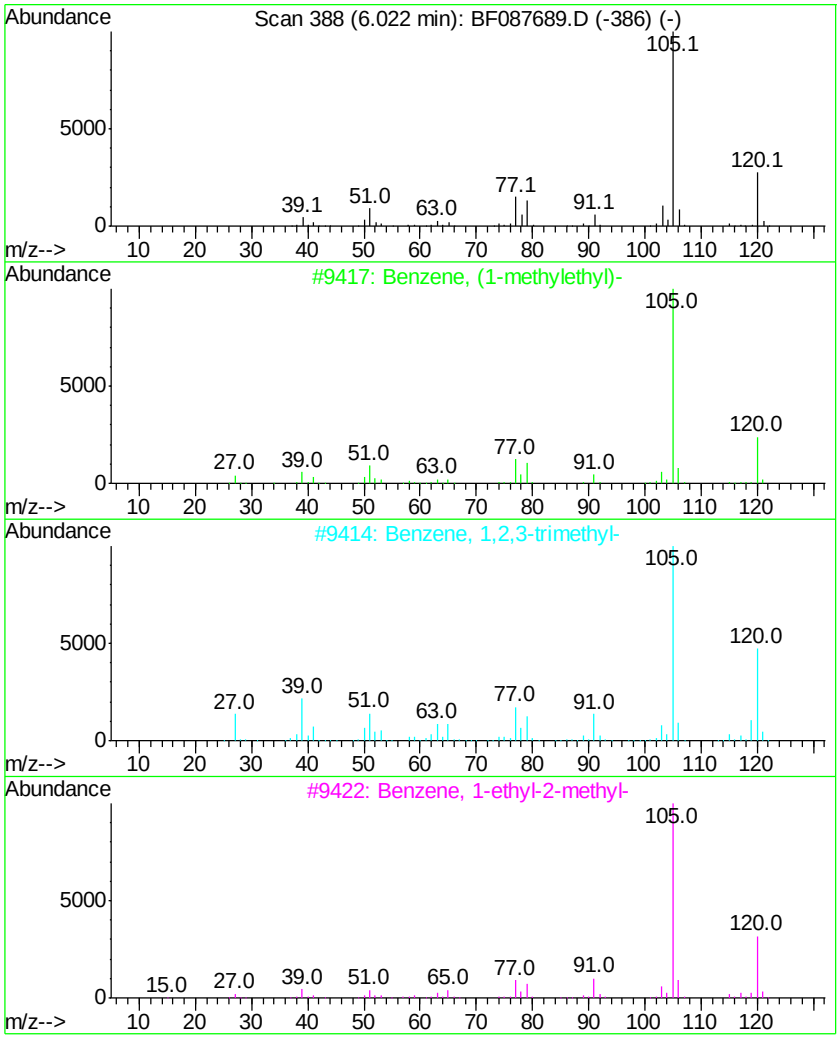
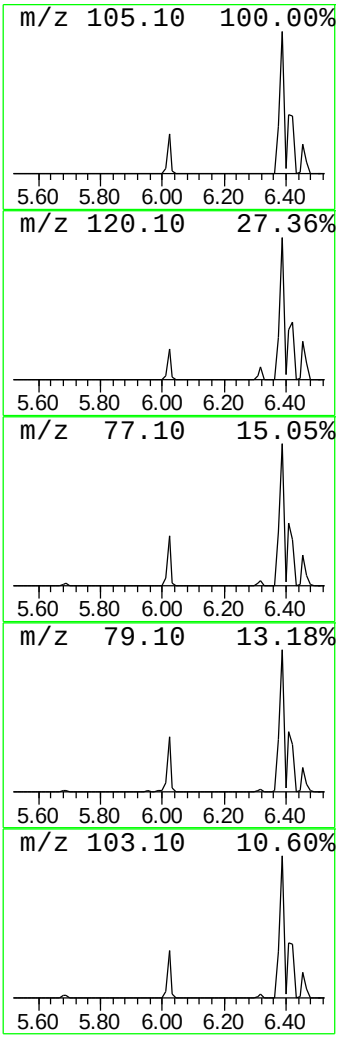
Peak Number 4 Benzene, (1-methylethyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.02	12.40 ng	550239	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80
5	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
Data File : BF087689.D
Acq On : 5 Jun 2016 5:10
Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.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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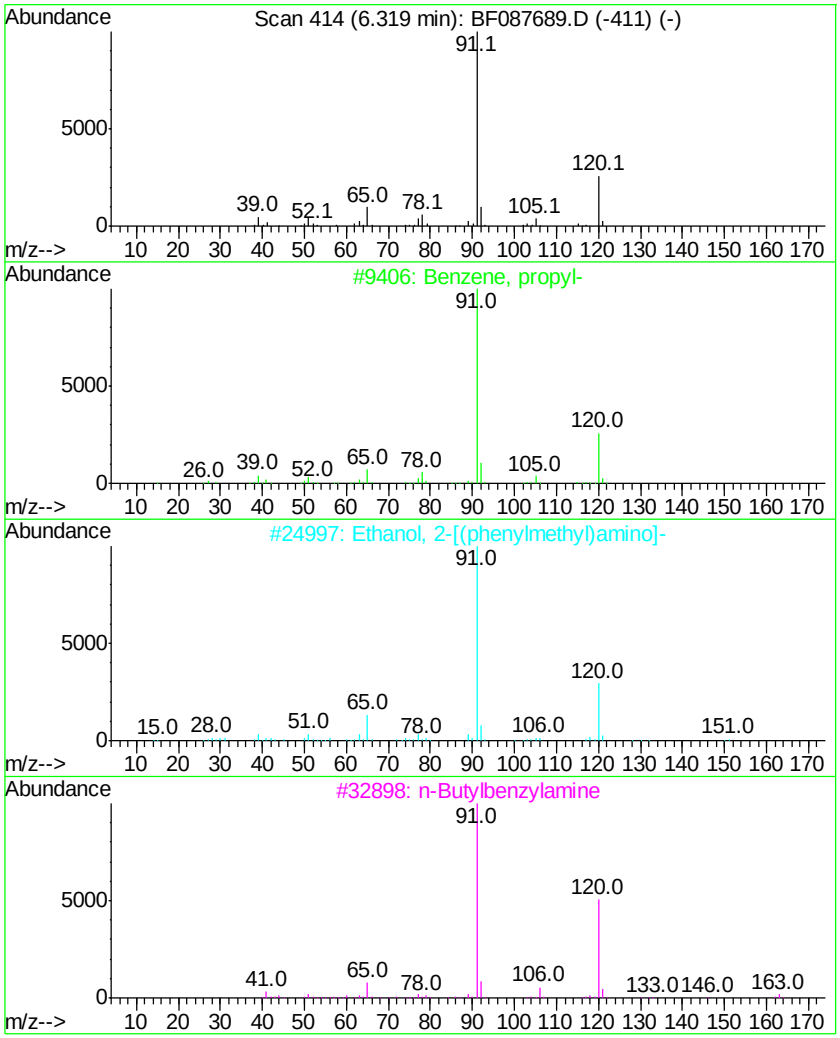
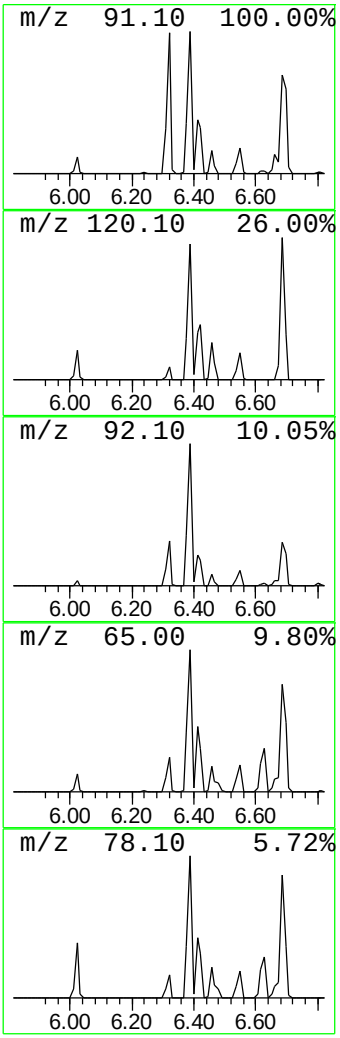
Peak Number 5 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	5.31 ng	235715	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
3	n-Butylbenzylamine	163	C11H17N	002403-22-7	64
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	59





Library Search Compound Report

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Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.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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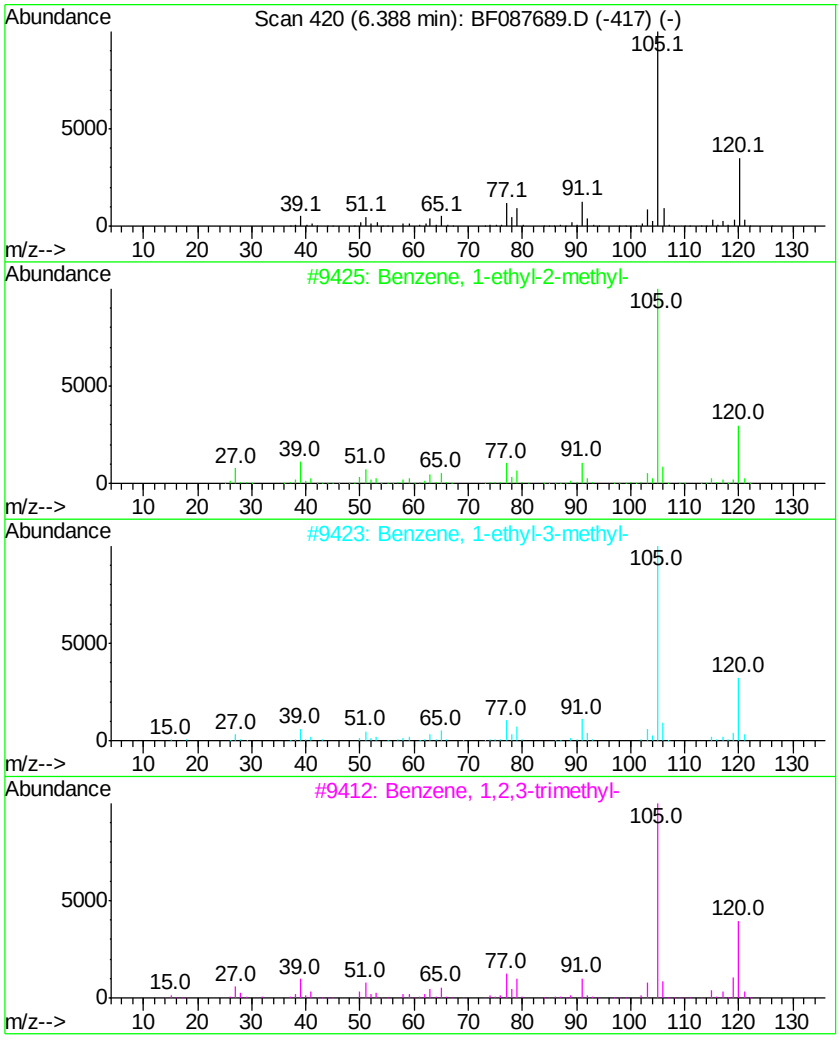
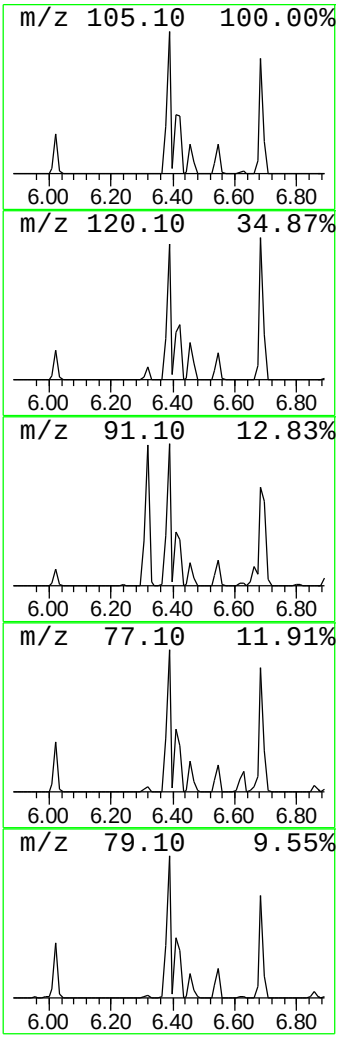
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	55.67 ng	2469530	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Acq On : 5 Jun 2016 5:10
Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

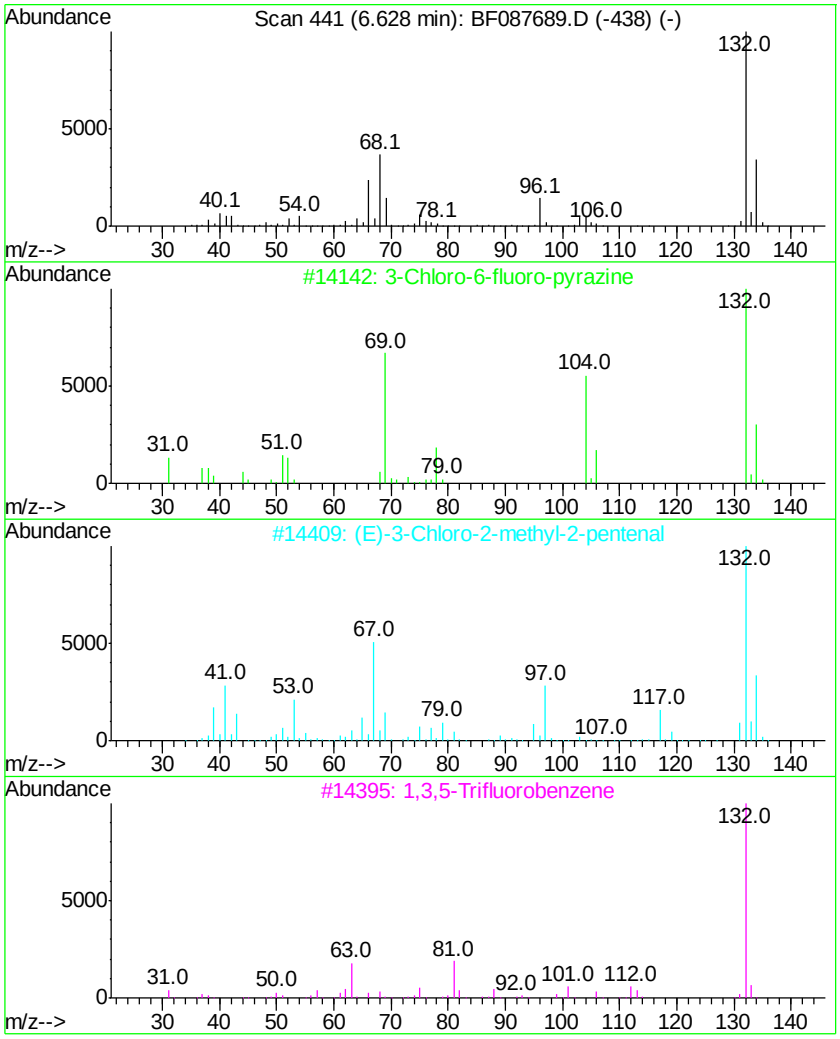
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

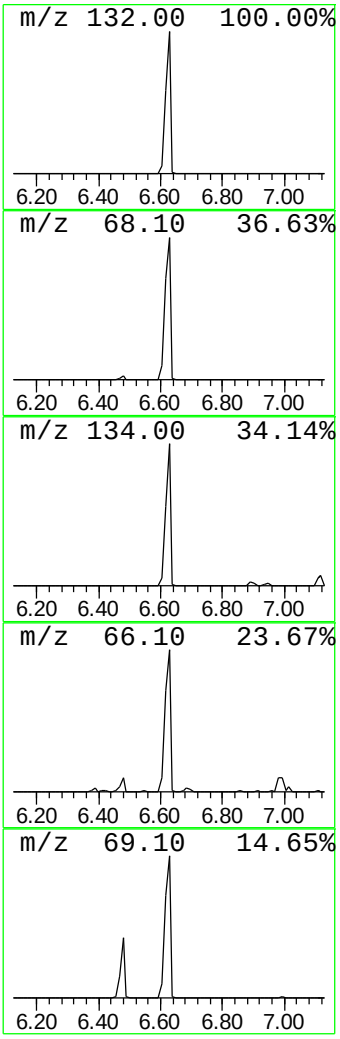
****

Peak Number 9 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	70.64 ng	3133400	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Xenon	132	Xe	007440-63-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

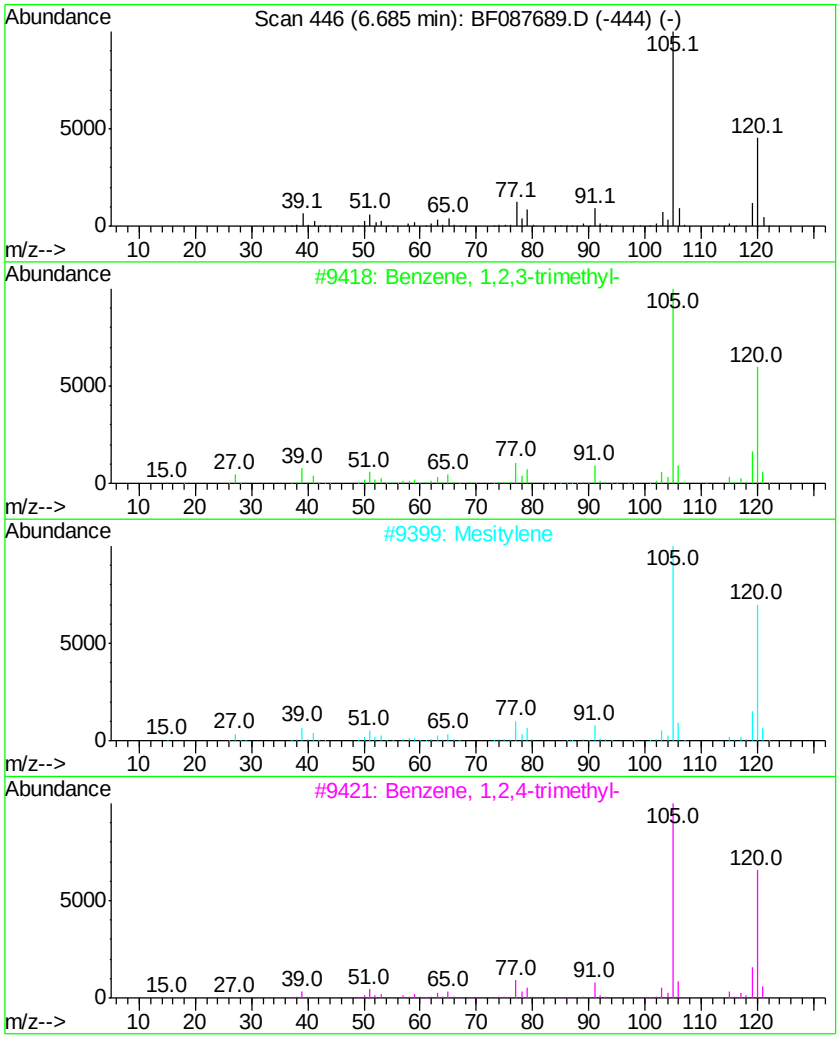
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

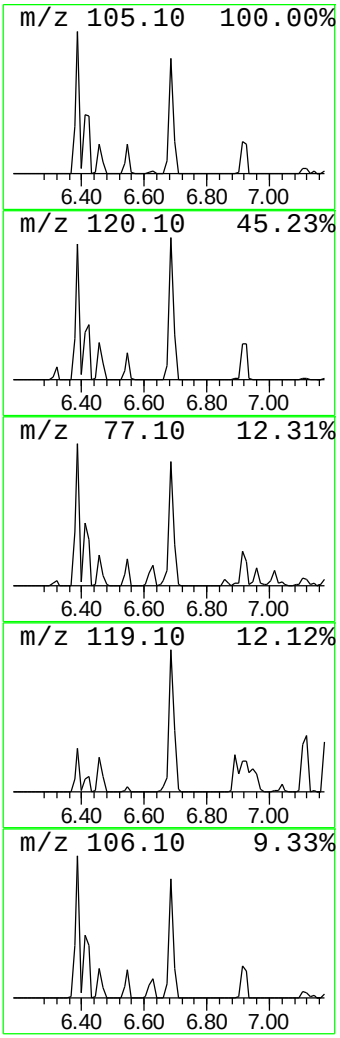
****

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	63.05 ng	2796640	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86





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Sample : H3344-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-8

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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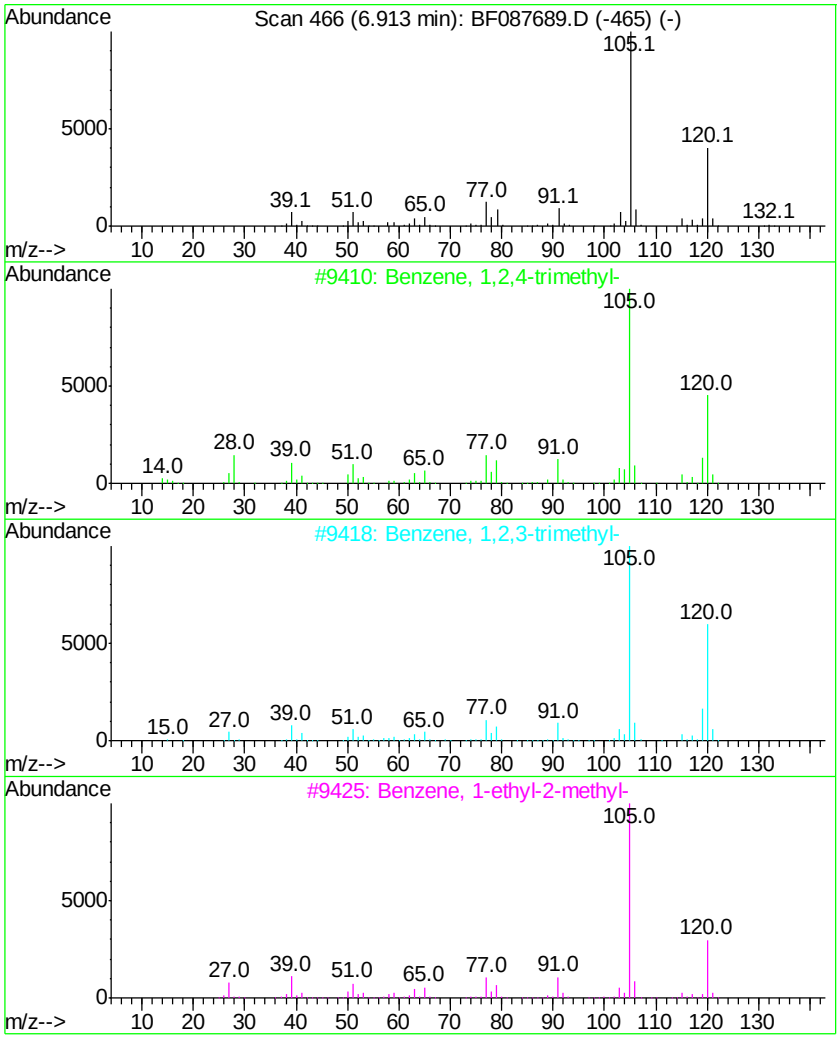
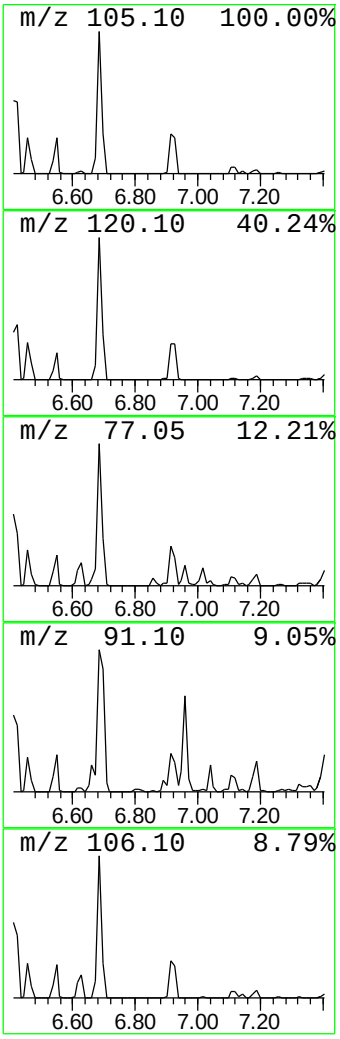
Peak Number 11 Benzene, 1,2,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	18.97 ng	841250	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

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Acq On : 5 Jun 2016 5:10
Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.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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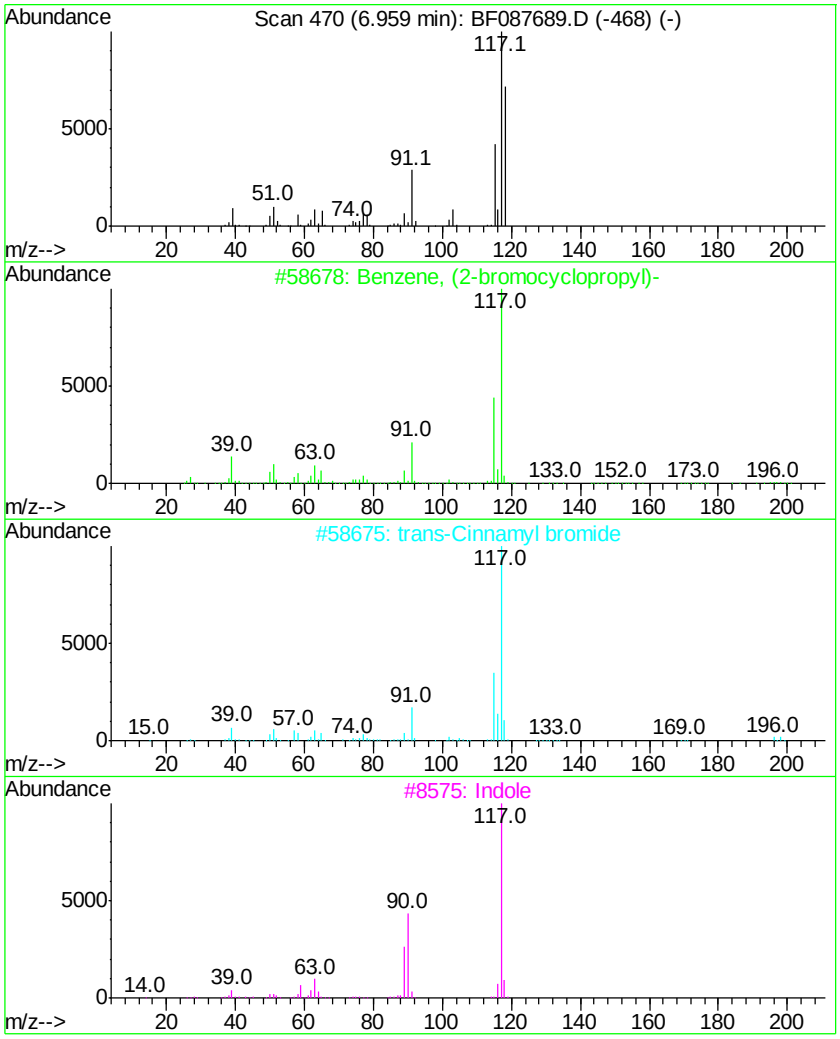
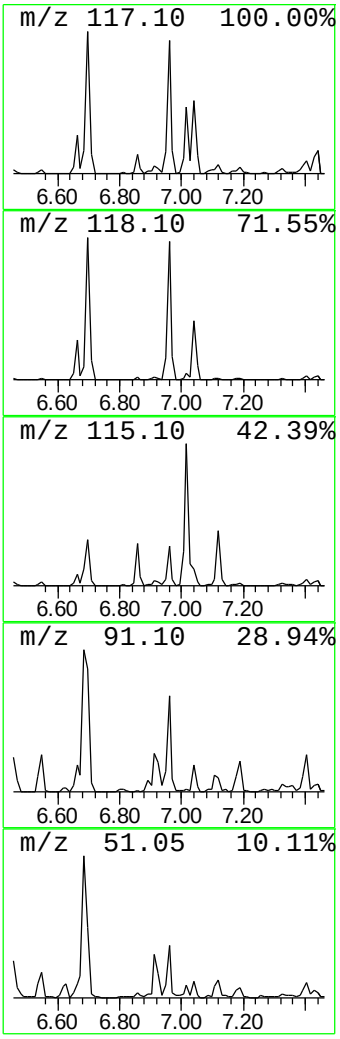
Peak Number 12 Benzene, (2-bromocyclopropyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	16.33 ng	724467	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59
2	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	45
3	Indole	117	C8H7N	000120-72-9	43
4	Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-43-1	43
5	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	38





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Data File : BF087689.D
Acq On : 5 Jun 2016 5:10
Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.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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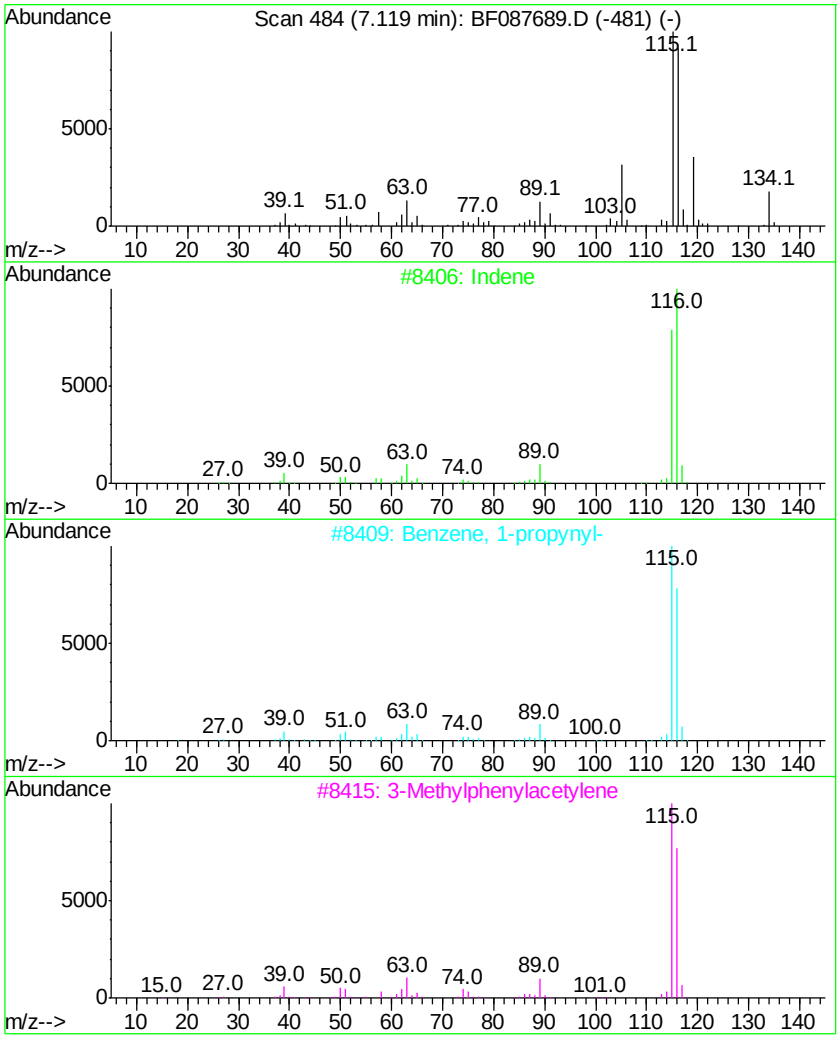
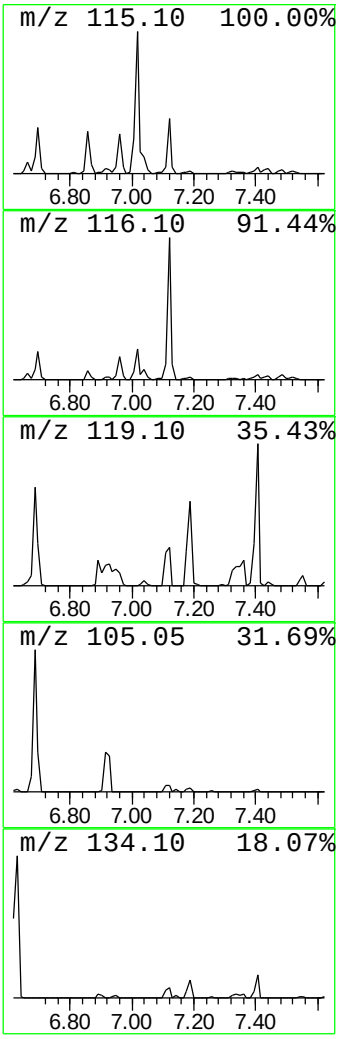
Peak Number 14 Indene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	11.69 ng	518313	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	76
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	76
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	68





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : MW-8

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TIC Library : C:\Database\NIST11.L
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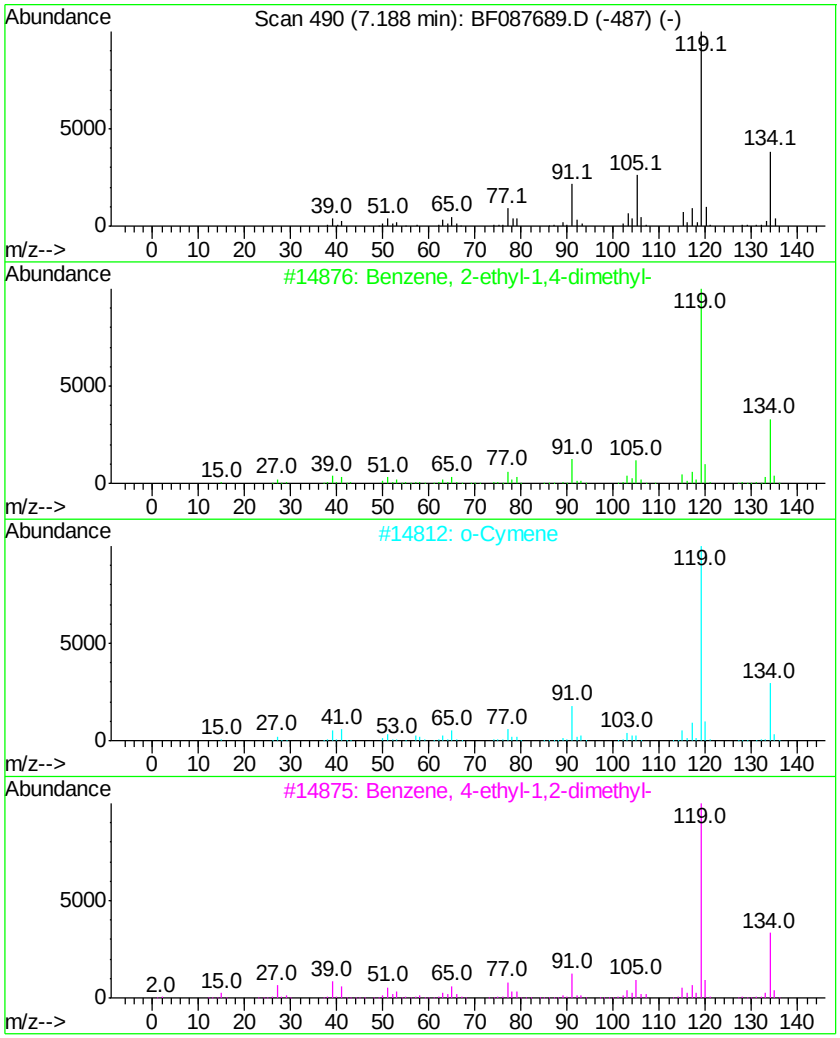
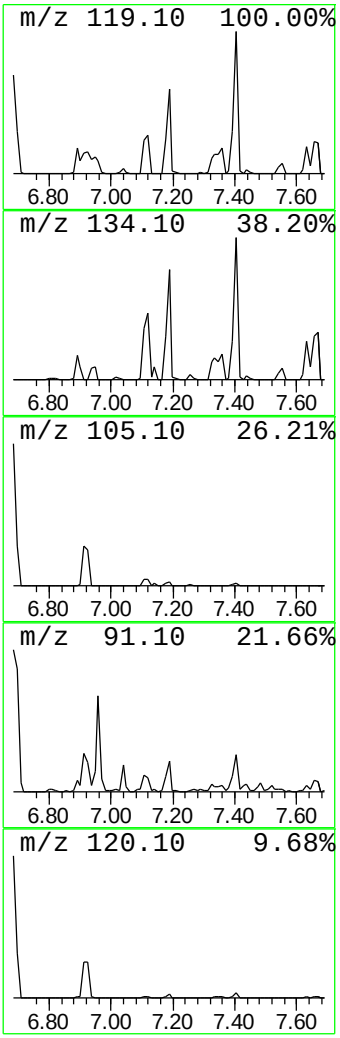
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	6.29 ng	278972	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





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Operator : UM/SJ
Sample : H3344-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-8

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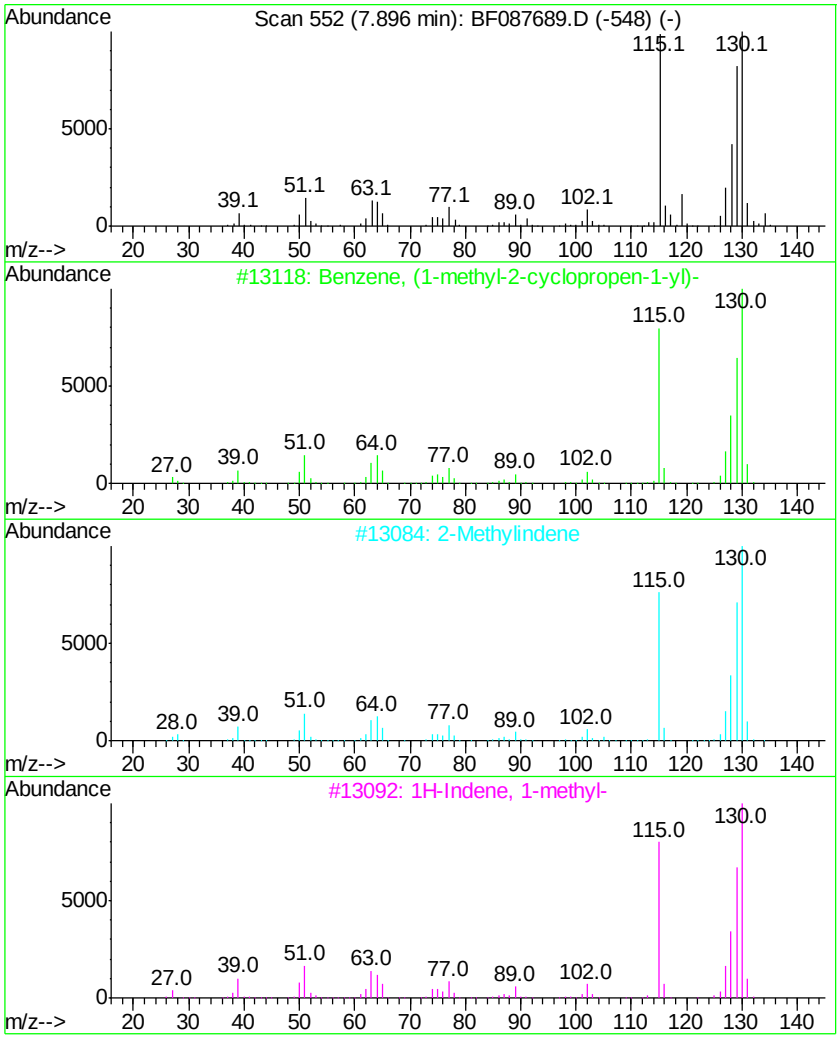
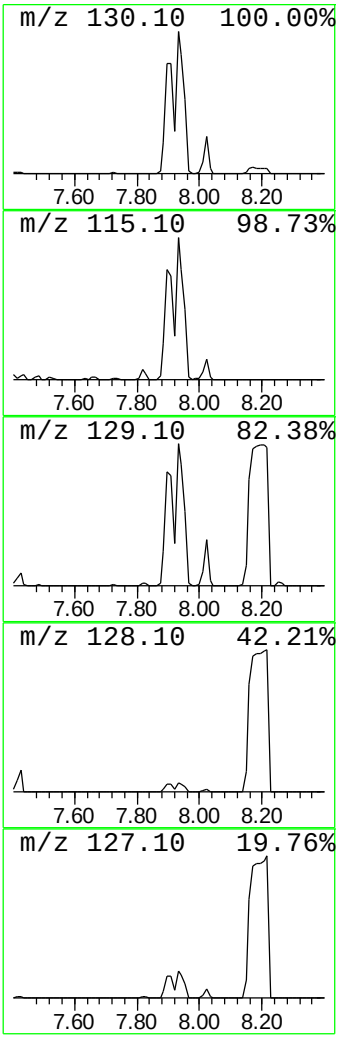
Peak Number 16 Benzene, (1-methyl-2-cyclop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	3.95 ng	2713540	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





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Instrument : BNA_F
ClientSampleId : MW-8

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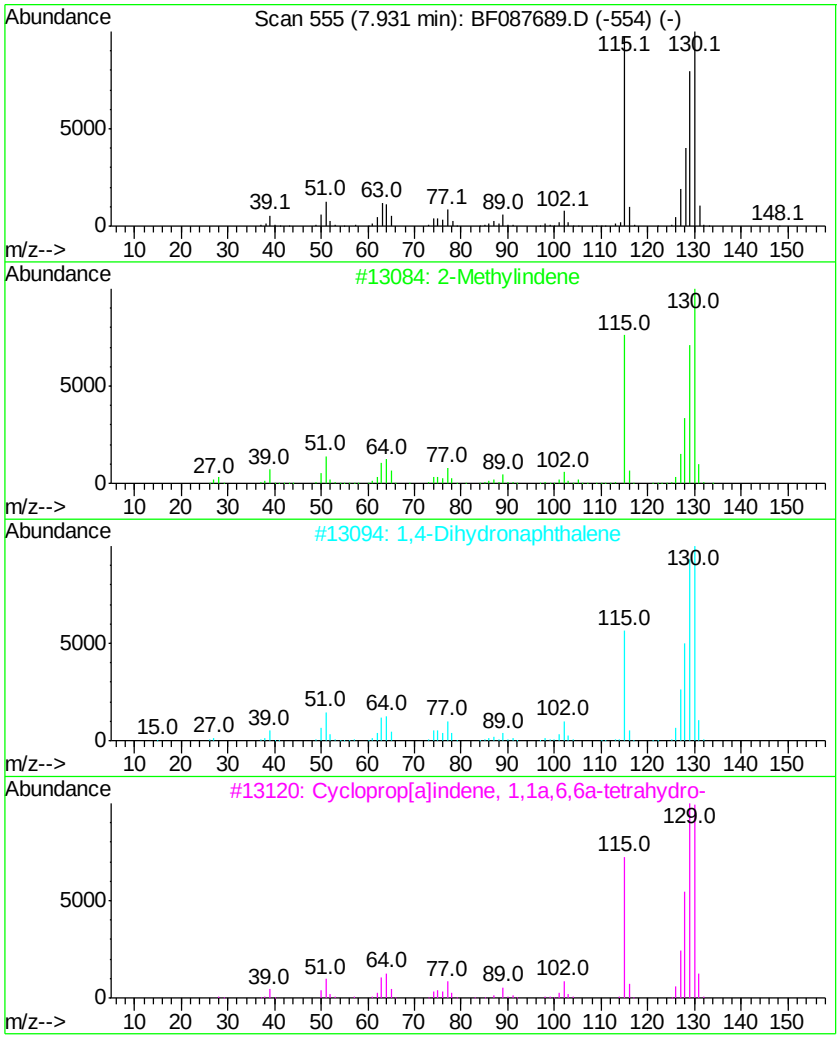
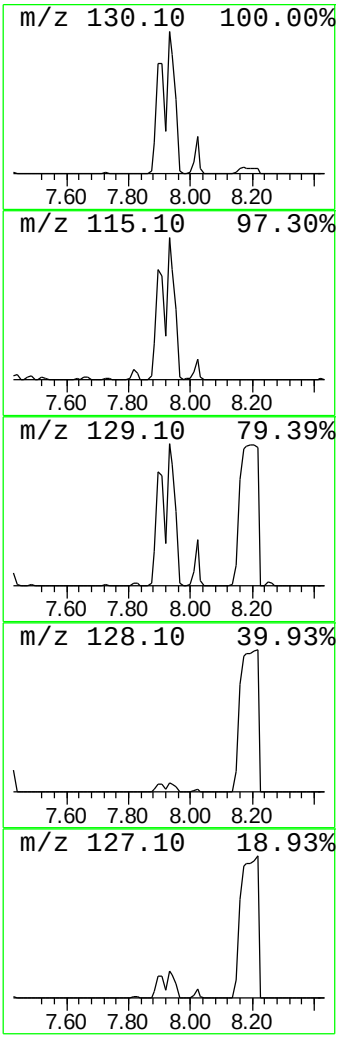
Peak Number 17 2-Methylindene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	3.98 ng	2730010	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





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ClientSampleId : MW-8

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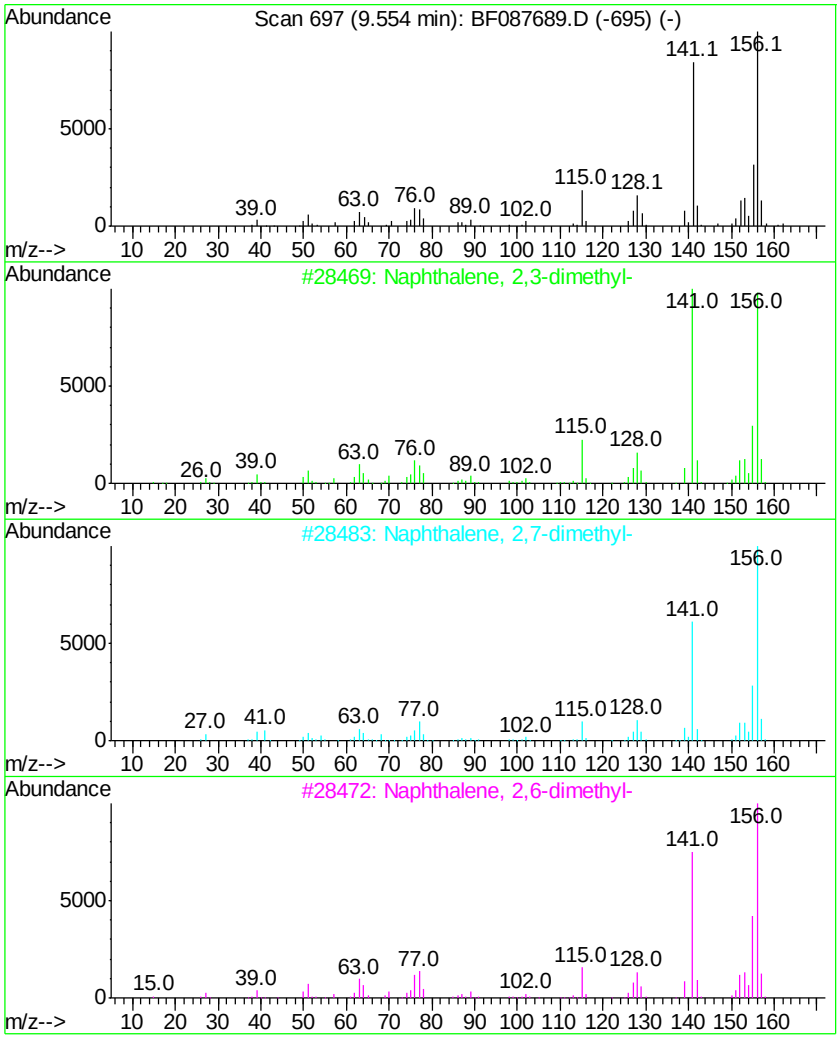
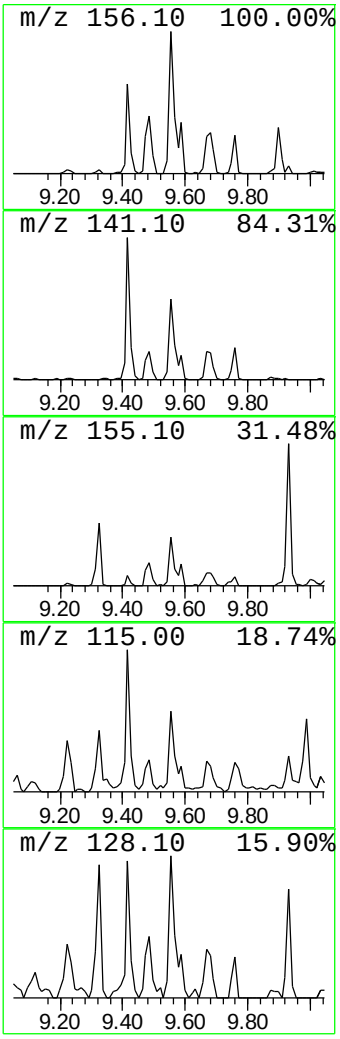
Peak Number 19 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	3.59 ng	244274	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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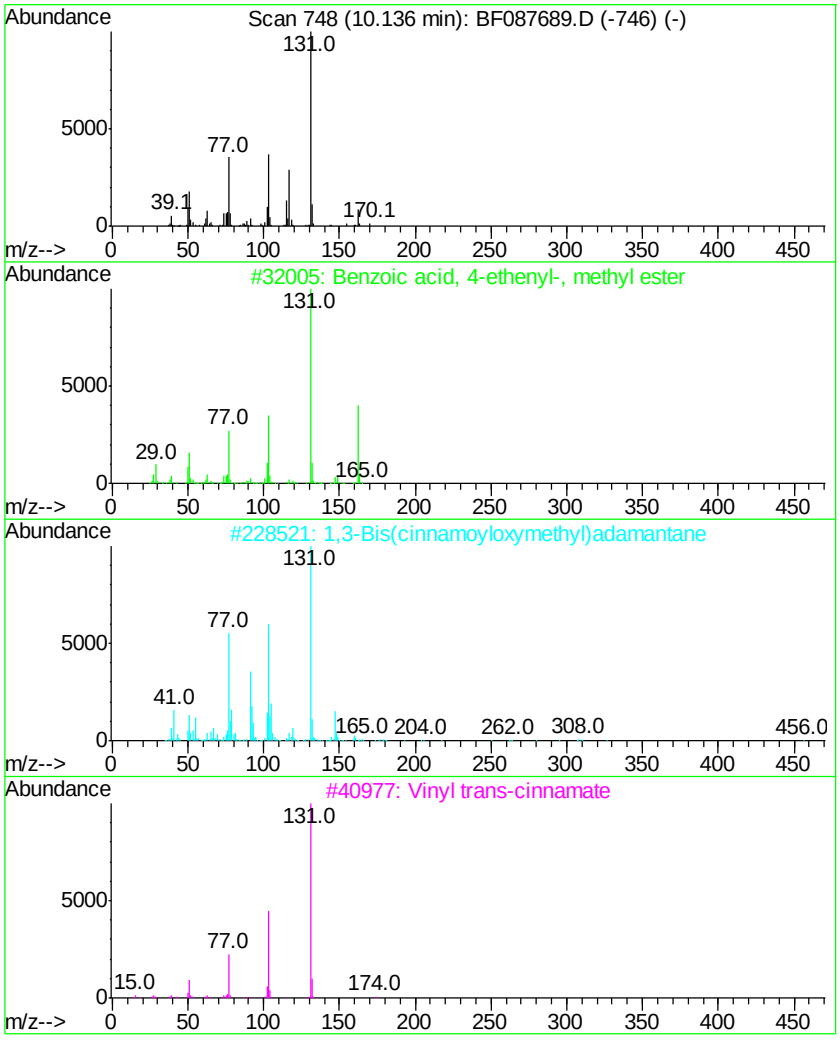
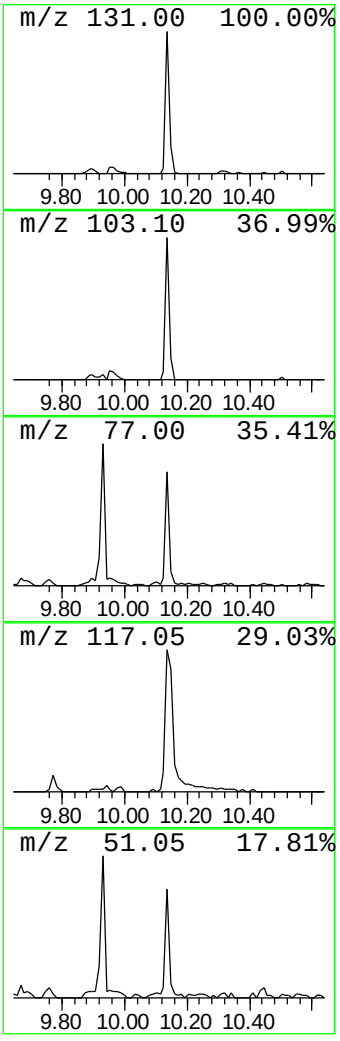
Peak Number 20 Benzoic acid, 4-ethenyl-, m... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	3.66 ng	248646	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-ethenyl-, methyl...	162	C10H10O2	001076-96-6	74
2	1,3-Bis(cinnamoyloxymethyl)adama...	456	C30H32O4	303797-58-2	64
3	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	59
4	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	59
5	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	59





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-dime...	2.14	4.7	ng	208586	1	6.86	887138	20.0
Benzene, (1-methy...	6.02	12.4	ng	550239	1	6.86	887138	20.0
Benzene, propyl-	6.32	5.3	ng	235715	1	6.86	887138	20.0
Benzene, 1-ethyl-...	6.39	55.7	ng	2469530	1	6.86	887138	20.0
unknown6.63	6.63	70.6	ng	3133400	1	6.86	887138	20.0
Benzene, 1,2,3-tr...	6.68	63.0	ng	2796640	1	6.86	887138	20.0
Benzene, 1,2,4-tr...	6.91	19.0	ng	841250	1	6.86	887138	20.0
Benzene, (2-bromo...	6.96	16.3	ng	724467	1	6.86	887138	20.0
Indene	7.12	11.7	ng	518313	1	6.86	887138	20.0
Benzene, 2-ethyl-...	7.19	6.3	ng	278972	1	6.86	887138	20.0
Benzene, (1-methy...	7.90	4.0	ng	2713540	2	8.16	13730500	20.0
2-Methylindene	7.93	4.0	ng	2730010	2	8.16	13730500	20.0
Naphthalene, 2,3-...	9.55	3.6	ng	244274	3	9.90	1359510	20.0
Benzoic acid, 4-e...	10.14	3.7	ng	248646	3	9.90	1359510	20.0