LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

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-BF052316.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	2.033	36	39	46	rVB	73844	153294	3.31%	0.189%
2	2.901	110	115	127	rBV2	133194	302369	6.53%	0.373%
3	3.861	194	199	209	rVB2	42741	140153	3.02%	0.173%
4	4.501	252	255	259	rVV	62872	119510	2.58%	0.147%
5	4.707	270	273	287	rBV2	106988	353071	7.62%	0.435%
6	5.176	311	314	318	rVV3	56435	137469	2.97%	0.169%
7	5.393	332	333	346	rVV	512932	1646843	35.54%	2.029%
8	5.576	346	349	352	rVV4	75837	250726	5.41%	0.309%
9	5.747	362	364	370	rVV3	41837	175763	3.79%	0.217%
10	6.136	396	398	405	rBV	331657	591396	12.76%	0.729%
11	6.570	433	436	438	rVV	67739	136033	2.94%	0.168%
12	6.616	438	440	443	rVV	219848	402630	8.69%	0.496%
13	6.867	459	462	463	rBV	74738	130571	2.82%	0.161%
14	6.902	463	465	469	rVV	281231	465596	10.05%	0.574%
15	6.970	469	471	474	rVV	111751	182694	3.94%	0.225%
16	7.073	477	480	484	rVV	371715	918182	19.82%	1.131%
17	7.142	484	486	495	rVV	1538316	3444041	74.33%	4.243%
18	7.393	504	508	511	rVV3	173789	413909	8.93%	0.510%
19	7.473	511	515	518	rVV	558412	916909	19.79%	1.130%
20	7.530	518	520	525	rVV3	126286	278445	6.01%	0.343%
21	7.702	532	535	537	rBV	2005360	3308096	71.40%	4.076%
22	7.736	537	538	541	rVV	2015009	1993523	43.03%	2.456%
23	7.805	541	544	549	rVV	224948	425776	9.19%	0.525%
24	7.885	549	551	559	rVB	454422	679534	14.67%	0.837%
25	8.022	559	563	569	rBV3	308537	965392	20.84%	1.189%
26	8.182	574	577	580	rVB	138662	234538	5.06%	0.289%
27	8.239	580	582	586	rBV4	82636	171652	3.70%	0.211%
28	8.308	586	588	589	rBV	430858	614361	13.26%	0.757%
29	8.365	589	593	594	rVV2	1381885	2726465	58.84%	3.359%
30	8.399	594	596	602	rVV	1954582	2784278	60.09%	3.430%
31	8.559	608	610	613	rVV	208200	286268	6.18%	0.353%
32	8.662	615	619	622	rBV5	53392	161041	3.48%	0.198%
33	8.719	622	624	627	rVB	836803	990805	21.38%	1.221%
34	8.822	630	633	635	rBV2	137256	212761	4.59%	0.262%

LSC Area Percent Report

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Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

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-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.879	635	638	640	rBV3	100605	254403	5.49%	0.313%
36	8.993	644	648	654	rVB	811668	1429132	30.84%	1.761%
37	9.096	654	657	661	rBV2	1223542	3299530	71.21%	4.065%
38	9.268	668	672	676	rVB3	300393	679270	14.66%	0.837%
39	9.348	677	679	681	rBV2	168006	283023	6.11%	0.349%
40	9.473	687	690	691	rBV3	121753	231539	5.00%	0.285%
41	9.508	691	693	698	rVV	1009795	2257762	48.73%	2.782%
42	9.599	700	701	703	rVV	445281	556008	12.00%	0.685%
43	9.645	703	705	707	rVV2	208680	390680	8.43%	0.481%
44	9.691	707	709	711	rVV	116967	192710	4.16%	0.237%
45	9.771	714	716	719	rVB2	213427	475249	10.26%	0.586%
46	9.828	719	721	724	rBV3	316040	596300	12.87%	0.735%
47	9.908	725	728	730	rBV2	335941	635929	13.73%	0.783%
48	9.965	731	733	736	rVB3	374060	534088	11.53%	0.658%
49	10.022	736	738	740	rBV2	95046	169892	3.67%	0.209%
50	10.079	740	743	744	rVV3	82748	165867	3.58%	0.204%
51	10.136	744	748	751	rVB4	226364	617222	13.32%	0.760%
52	10.285	758	761	763	rBV3	442820	718054	15.50%	0.885%
53	10.331	763	765	769	rVV2	546920	1369765	29.56%	1.688%
54	10.399	769	771	773	rVV2	252578	398121	8.59%	0.490%
55	10.445	773	775	776	rVV	301425	389182	8.40%	0.479%
56	10.502	779	780	782	rVV2	183006	231980	5.01%	0.286%
57	10.582	784	787	789	rVB2	398479	685183	14.79%	0.844%
58	10.651	789	793	795	rBV3	407017	755977	16.32%	0.931%
59	10.776	800	804	806	rBV2	433280	820610	17.71%	1.011%
60	10.822	806	808	809	rBV	481186	594636	12.83%	0.733%
61	10.856	809	811	814	rVB	784118	1002747	21.64%	1.235%
62	10.982	820	822	825	rVB2	221477	387960	8.37%	0.478%
63	11.062	825	829	830	rBV	361052	680236	14.68%	0.838%
64	11.165	835	838	841	rVV4	390022	934140	20.16%	1.151%
65	11.222	841	843	845	rVV2	281582	438053	9.45%	0.540%
66	11.279	845	848	853	rVB	2530634	4633319	100.00%	5.708%
67	11.371	853	856	860	rBV2	686054	1061406	22.91%	1.308%
68	11.508	863	868	870	rBV2	261251	559783	12.08%	0.690%
69	11.588	872	875	878	rVB5	239812	534282	11.53%	0.658%
70	11.645	878	880	881	rBV2	106335	175401	3.79%	0.216%
71	11.691	882	884	885	rBV	183210	216615	4.68%	0.267%

LSC Area Percent Report

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Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.805	891	894	896	rBV4	435983	966802	20.87%	1.191%
73	11.942	904	906	908	rBV2	166567	331910	7.16%	0.409%
74	12.011	908	912	913	rVV4	312057	830893	17.93%	1.024%
75	12.045	913	915	920	rVB3	424880	782713	16.89%	0.964%
76	12.125	920	922	930	rVB7	184165	559129	12.07%	0.689%
77	12.239	930	932	934	rBV3	145171	371858	8.03%	0.458%
78	12.331	937	940	944	rBV3	1067299	2630663	56.78%	3.241%
79	12.502	949	955	957	rBV3	541552	1379341	29.77%	1.699%
80	12.617	962	965	967	rVB	326138	589274	12.72%	0.726%
81	12.719	971	974	976	rVB2	317287	610594	13.18%	0.752%
82	12.765	976	978	982	rBV2	378795	881089	19.02%	1.085%
83	12.868	985	987	991	rVB3	251154	556148	12.00%	0.685%
84	12.937	991	993	995	rBV3	171880	360571	7.78%	0.444%
85	13.039	1000	1002	1004	rVV3	254334	619760	13.38%	0.764%
86	13.085	1004	1006	1008	rVV3	367193	848572	18.31%	1.045%
87	13.154	1009	1012	1017	rVV3	497876	1394116	30.09%	1.718%
88	13.245	1017	1020	1023	rVV3	336694	921607	19.89%	1.135%
89	13.302	1023	1025	1028	rVB4	250148	401807	8.67%	0.495%
90	13.485	1038	1041	1044	rBV	485477	1148349	24.78%	1.415%
91	13.645	1052	1055	1058	rBV	1648238	2478769	53.50%	3.054%
92	13.691	1058	1059	1062	rVB3	174262	224265	4.84%	0.276%
93	13.737	1062	1063	1065	rBV	137425	184489	3.98%	0.227%
94	13.874	1073	1075	1078	rBV3	129217	233881	5.05%	0.288%
95	14.742	1149	1151	1154	rBV	753091	1046182	22.58%	1.289%
96	14.971	1168	1171	1172	rBV2	81997	168465	3.64%	0.208%
97	15.748	1237	1239	1247	rVB2	103112	237178	5.12%	0.292%
98	17.097	1354	1357	1359	rBV	2070368	3004478	64.85%	3.702%
99	18.457	1475	1476	1488	rVB2	345278	700132	15.11%	0.863%
100	20.149	1622	1624	1640	rVB	239360	635868	13.72%	0.783%

Sum of corrected areas: 81169051

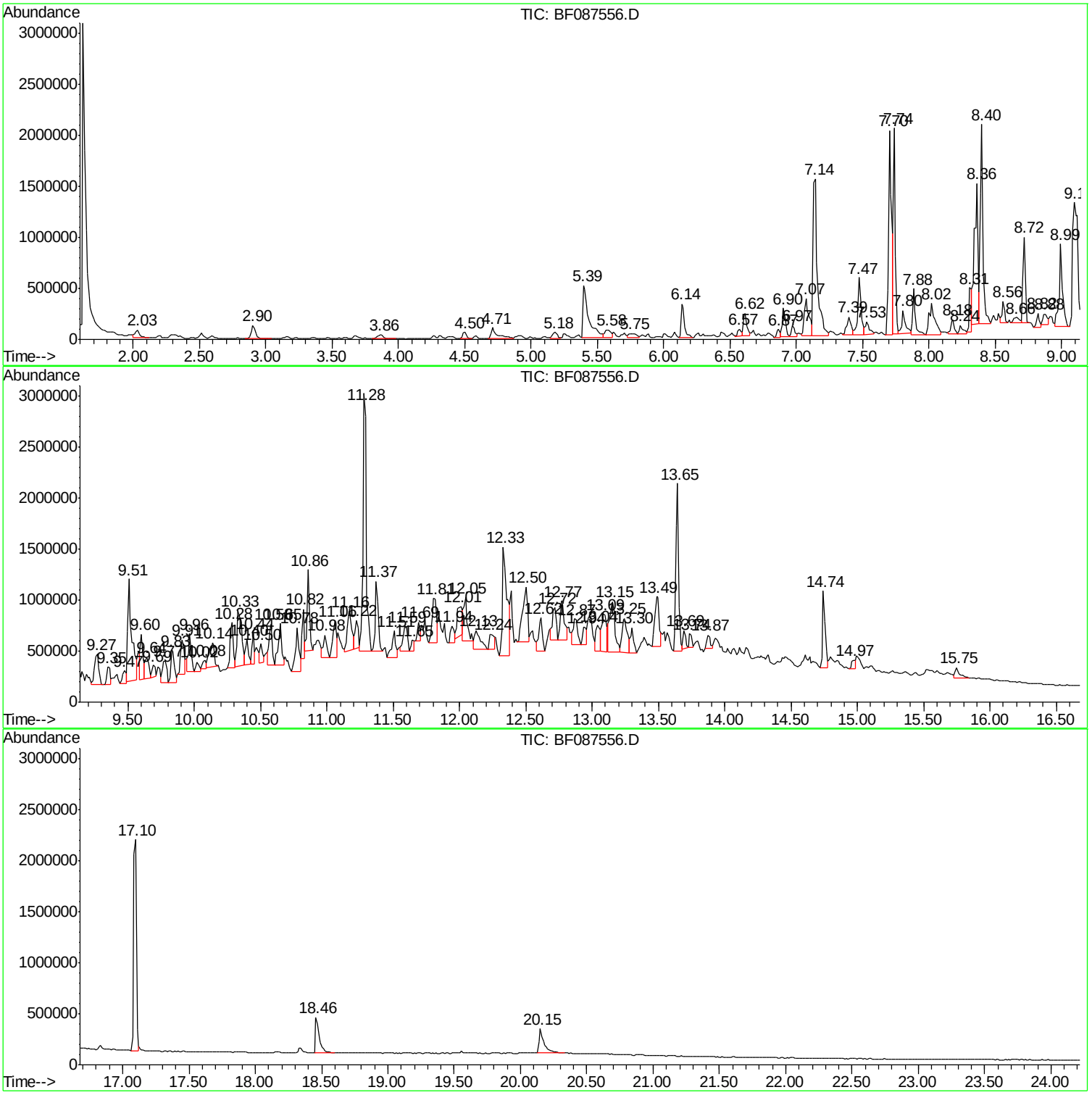
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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\BF052916\
Data File : BF087556.D
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

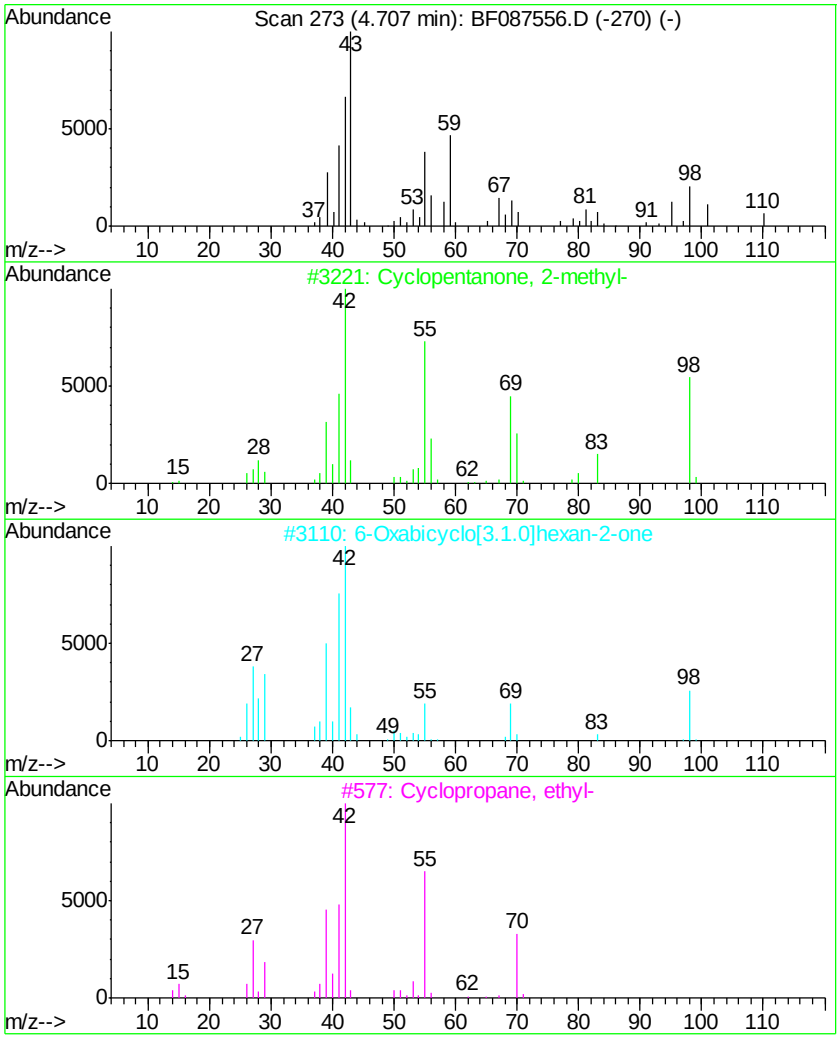
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

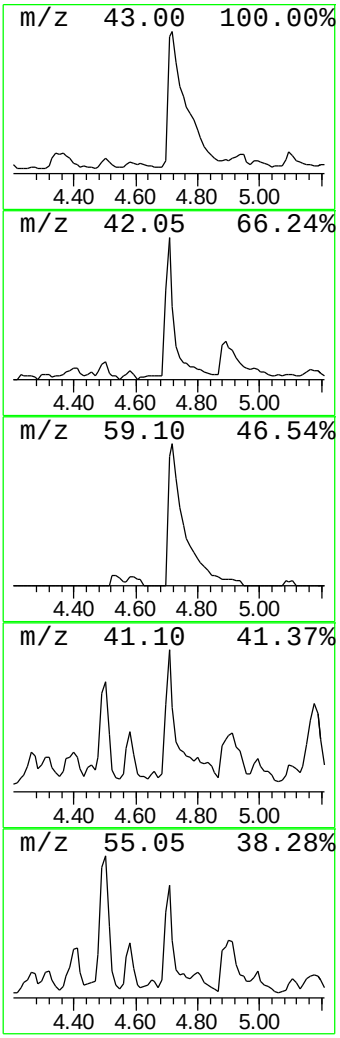
****

Peak Number 1 unknown4.71 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	7.70 ng	353071	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	35
2	6-Oxabicyclo[3.1.0]hexan-2-one	98	C5H6O2	006705-52-8	12
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	11
4	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	10
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

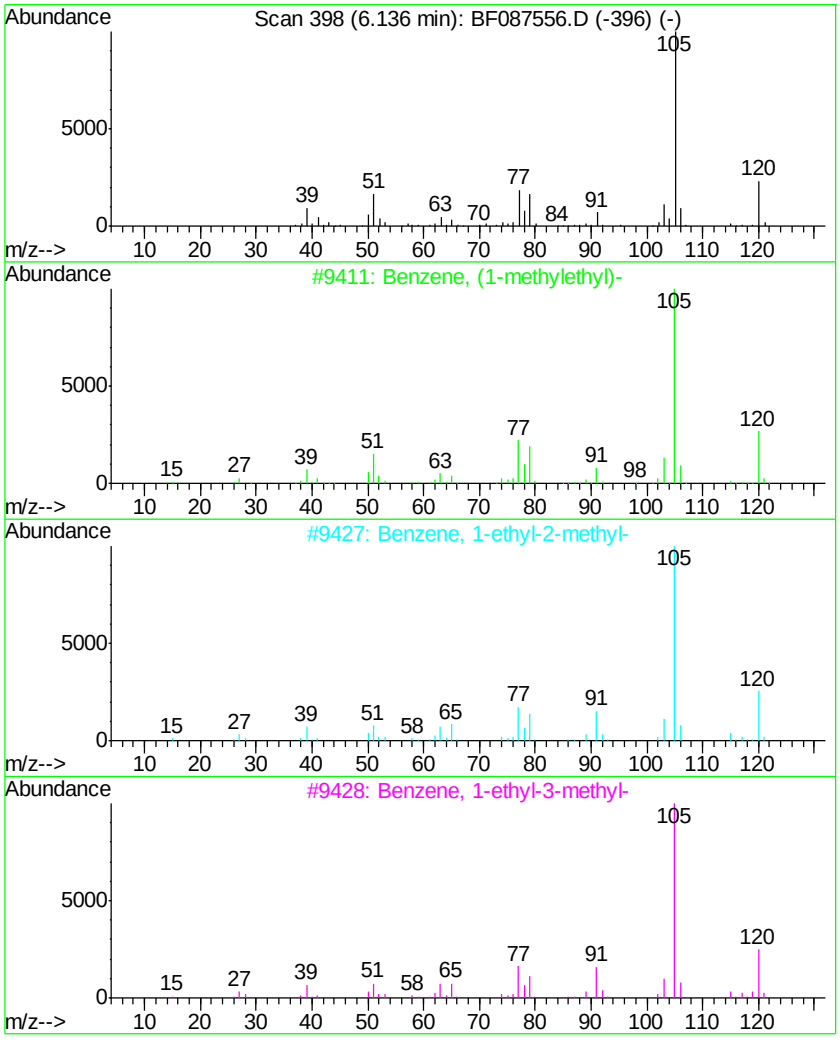
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

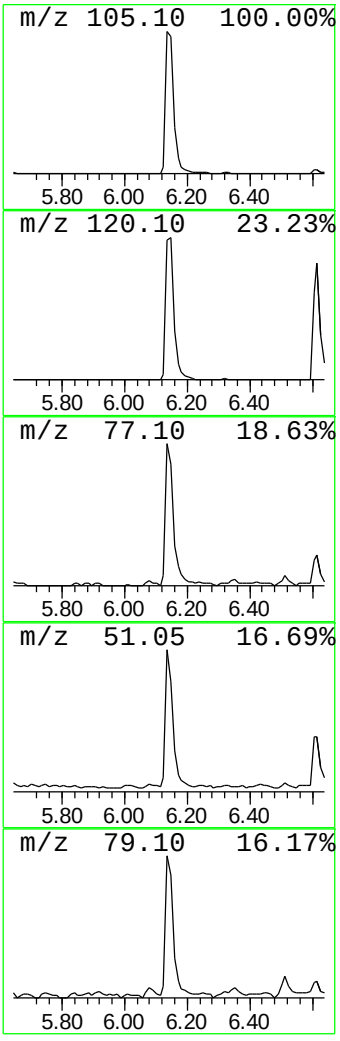
****

Peak Number 2 Benzene, (1-methylethyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.14	12.90 ng	591396	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	80
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

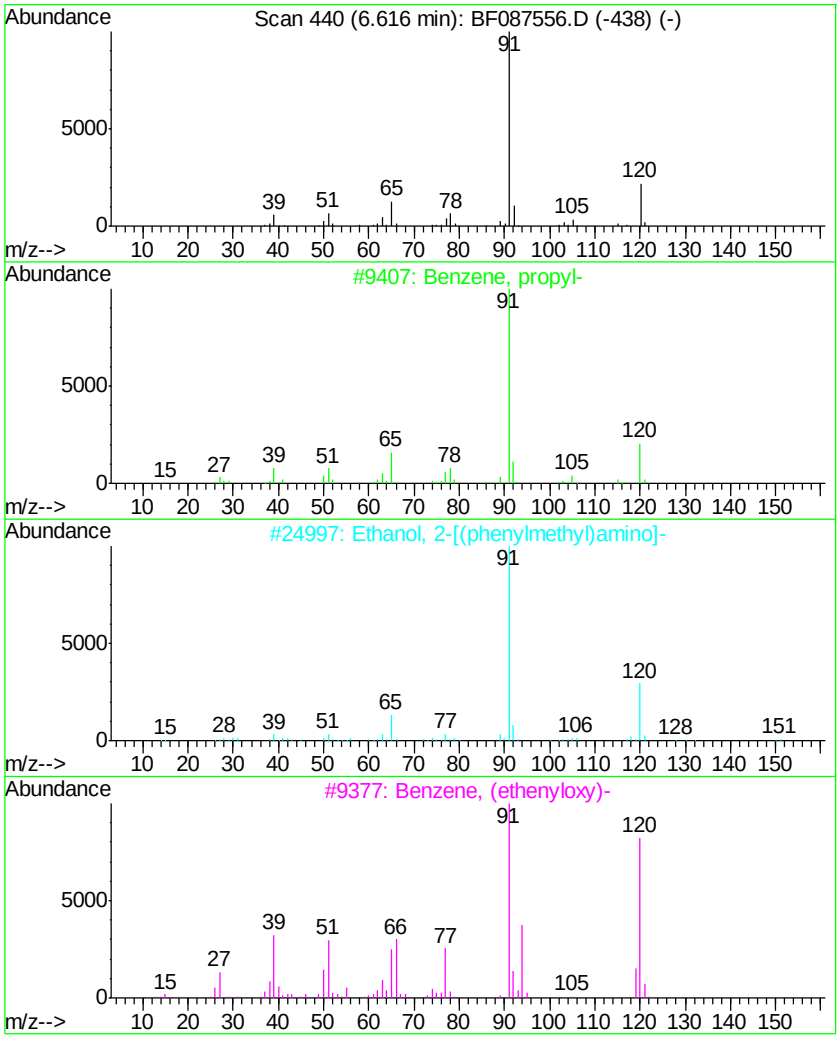
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

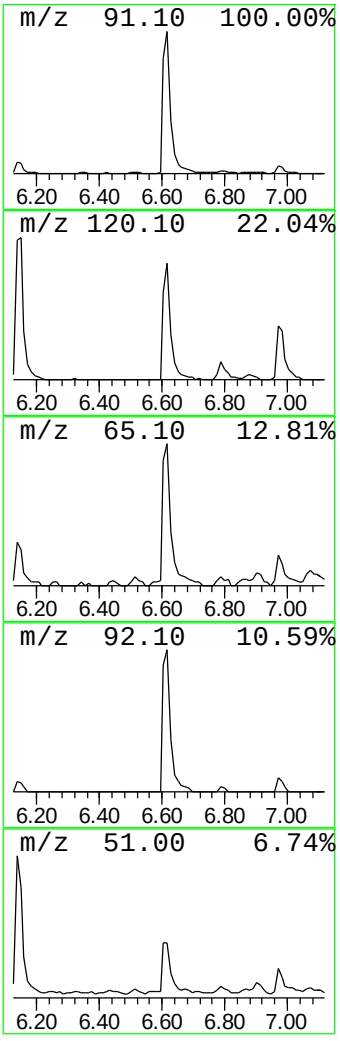
****

Peak Number 3 Benzene, propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	8.78 ng	402630	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
3	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	59
4	Benzeneacetaldehyde	120	C8H8O	000122-78-1	50
5	N-(Benzyloxy)-2,2,2-trifluoroace...	219	C9H8F3NO2	174075-91-3	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

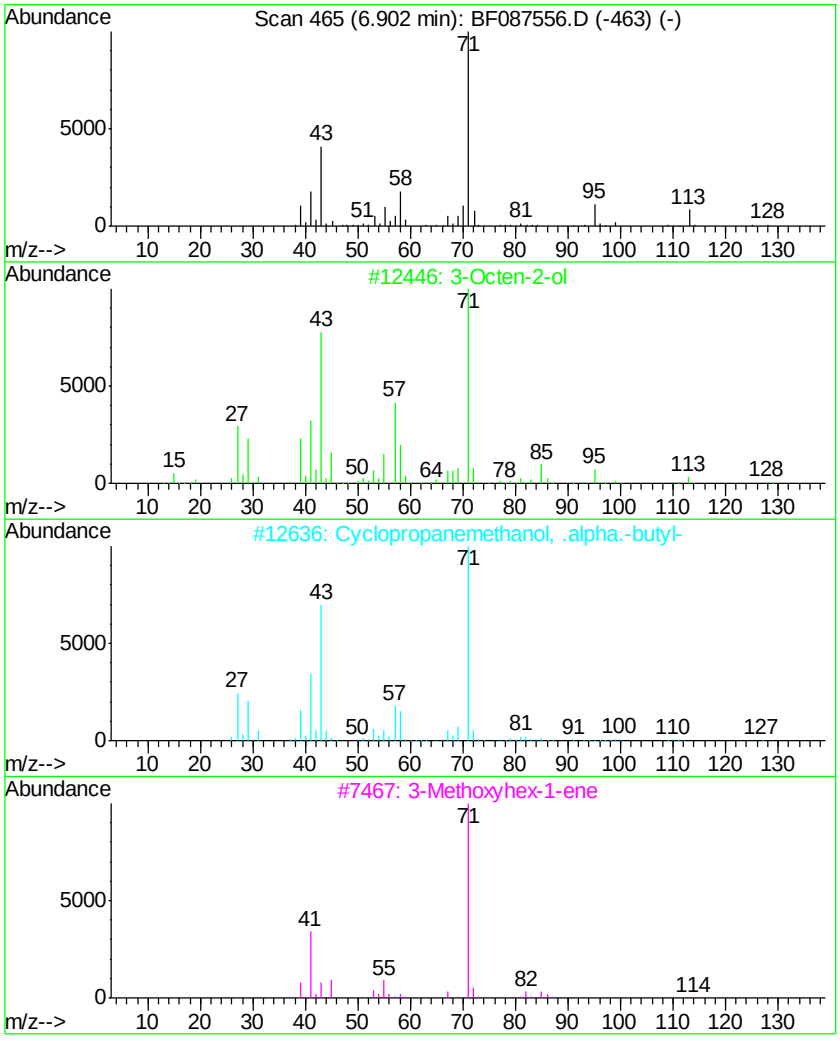
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

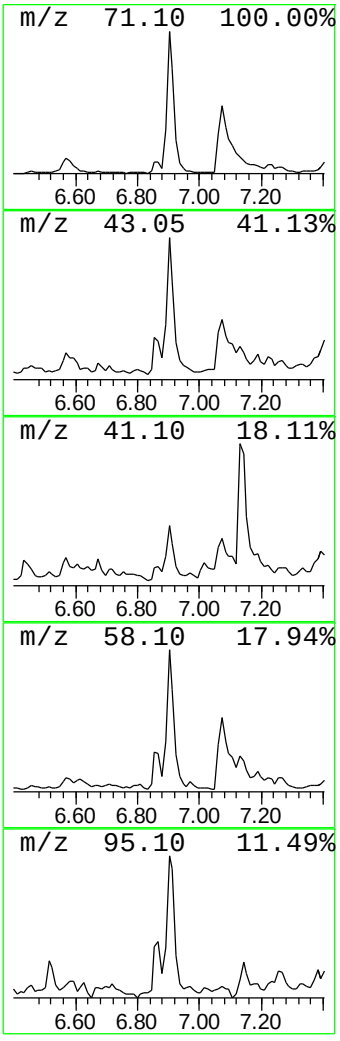
****

Peak Number 4 3-Octen-2-ol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	10.16 ng	465596	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octen-2-ol	128	C8H16O	076649-14-4	56
2	Cyclopropanemethanol, .alpha.-bu...	128	C8H16O	004379-16-2	53
3	3-Methoxyhex-1-ene	114	C7H14O	108811-41-2	50
4	1-Methylcycloheptanol	128	C8H16O	003761-94-2	49
5	Sulfurous acid, dipentyl ester	222	C10H22O3S	1000309-13-9	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

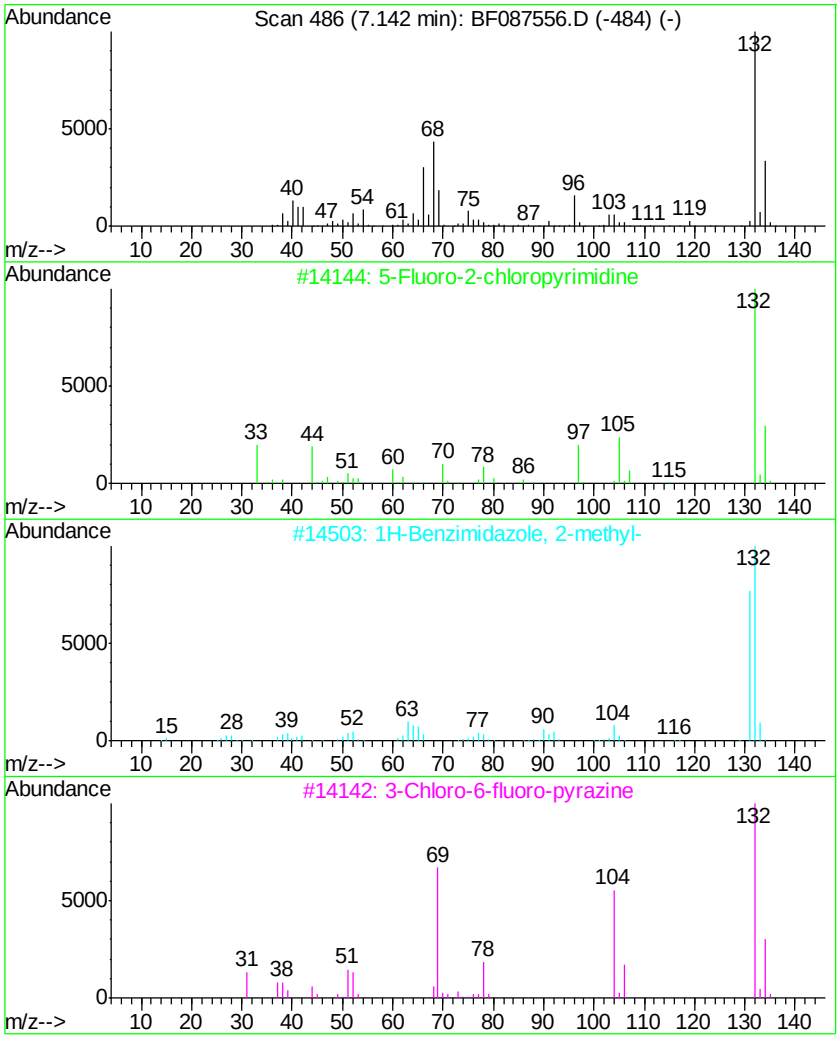
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

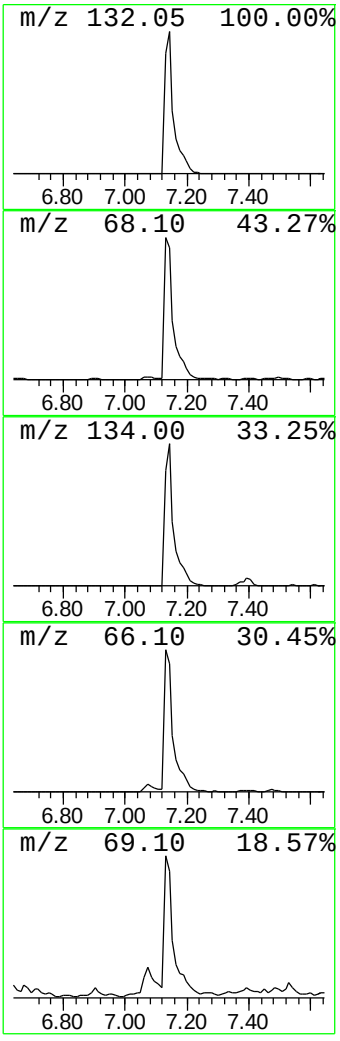
****

Peak Number 5 unknown7.14 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	75.12 ng	3444040	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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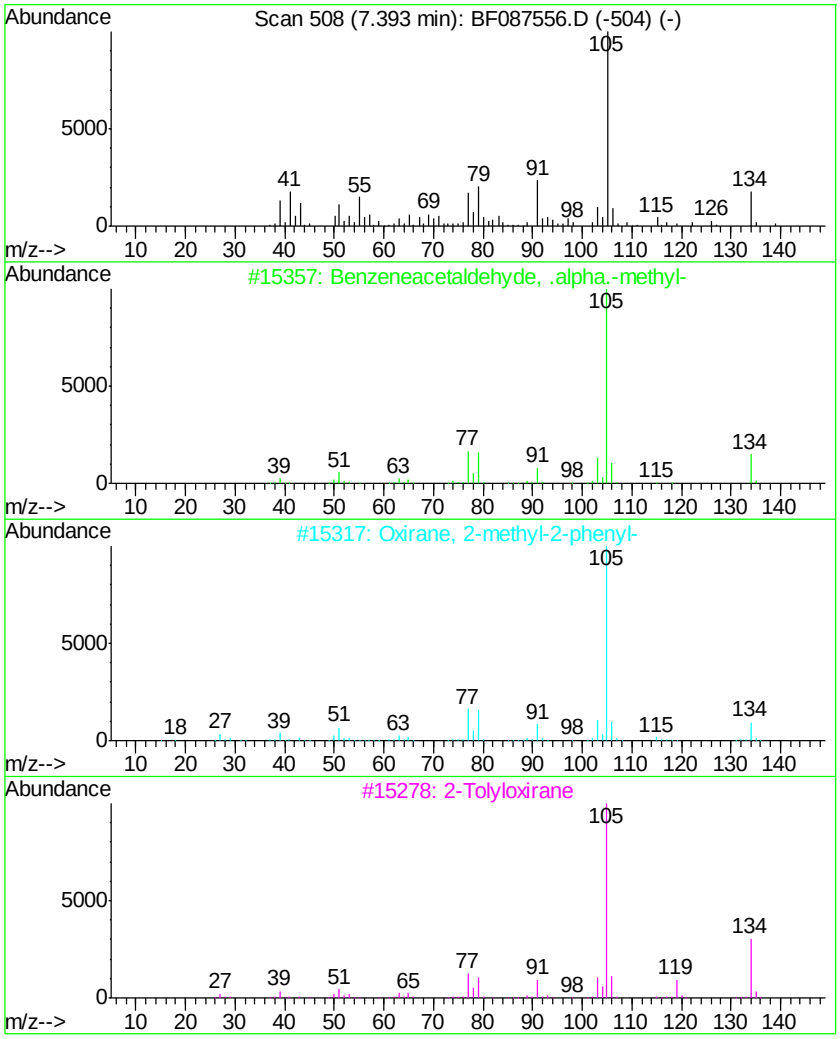
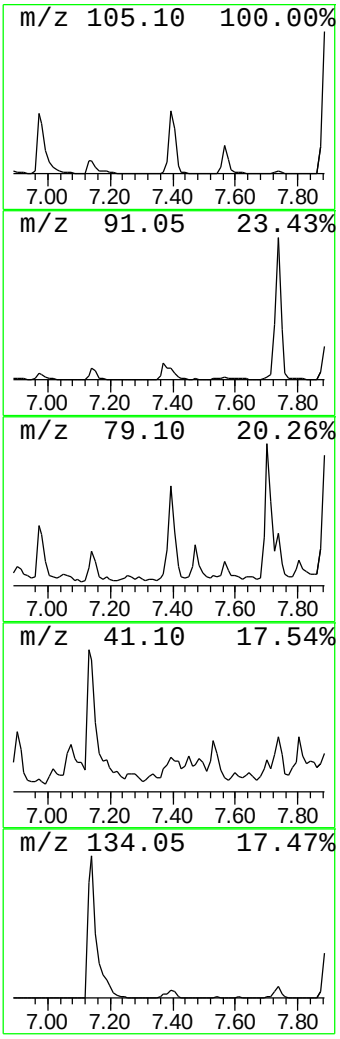
Peak Number 6 Benzeneacetaldehyde, .alpha... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	9.03 ng	413909	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87
3	2-Tolyloxirane	134	C9H10O	002783-26-8	83
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	74
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	70





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Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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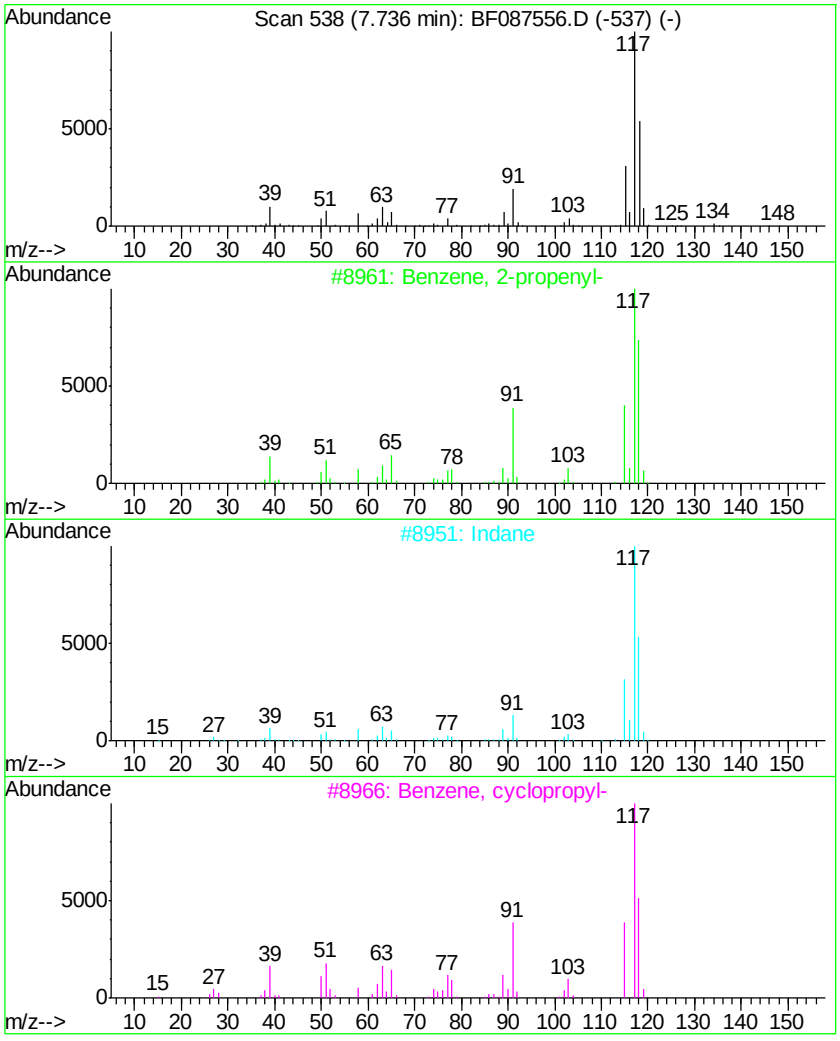
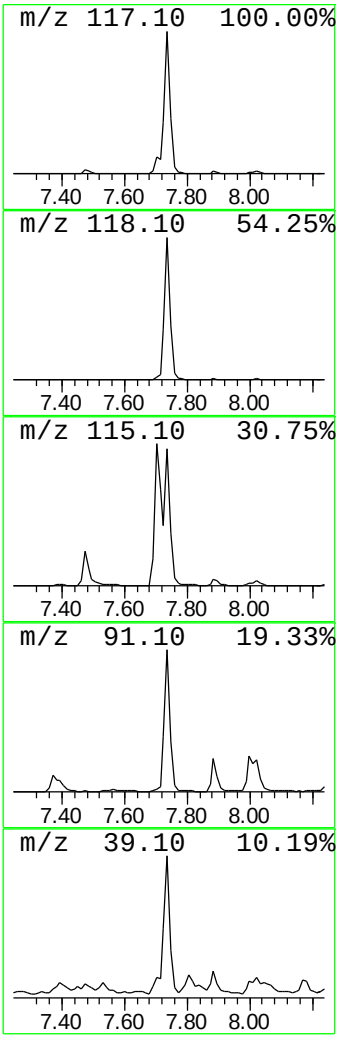
Peak Number 8 Benzene, 2-propenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	43.48 ng	1993520	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





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Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

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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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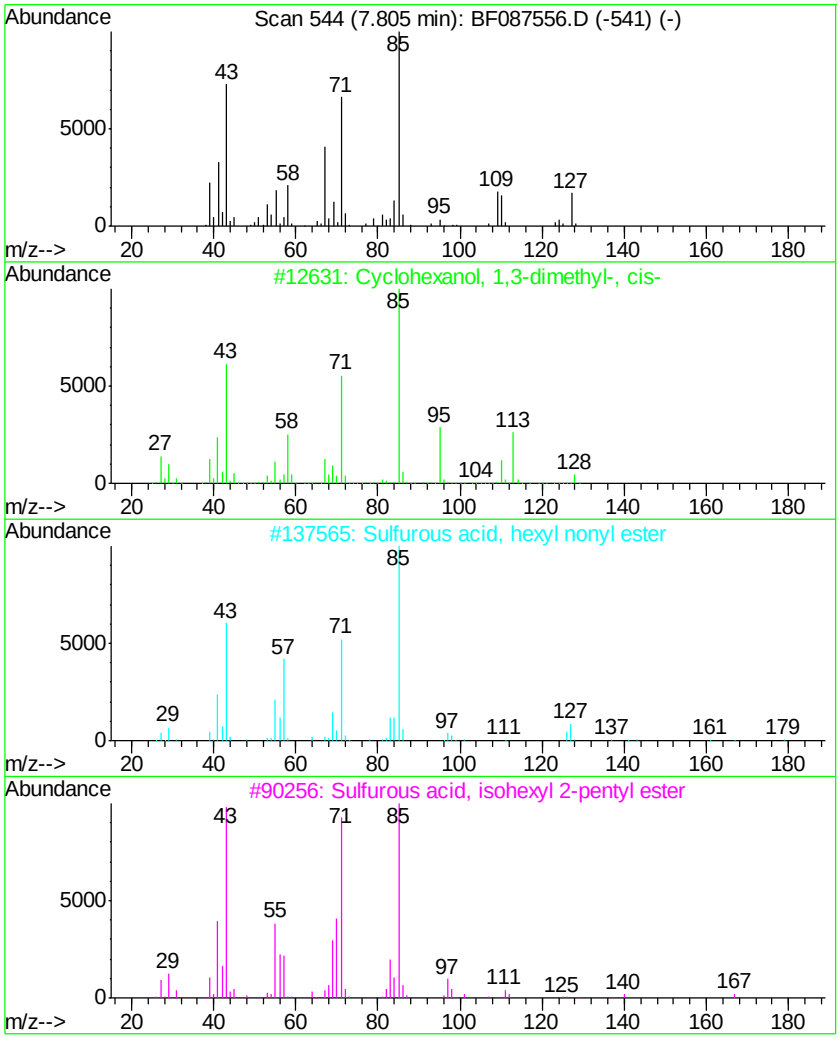
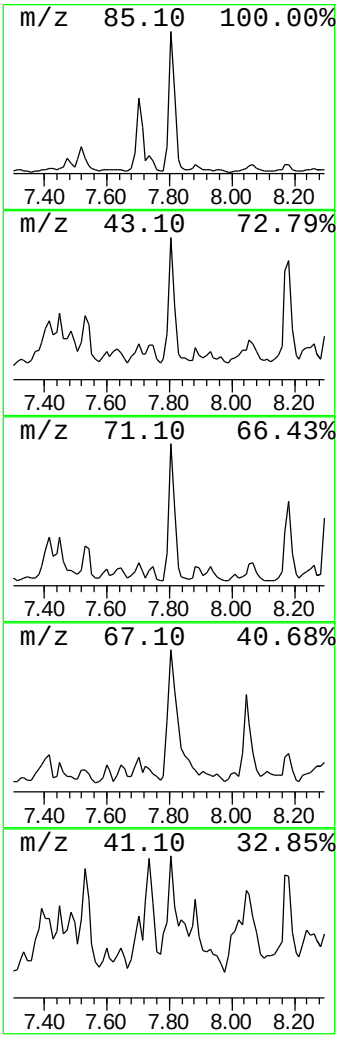
Peak Number 9 Cyclohexanol, 1,3-dimethyl-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	9.29 ng	425776	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1,3-dimethyl-, cis-	128	C8H16O	015466-94-1	50
2	Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	38
3	Sulfurous acid, isohexyl 2-penty...	236	C11H24O3S	1000309-15-5	37
4	4-Ethyl-4-methyl-1-hexene	126	C9H18	090674-67-2	27
5	1-Bromo-7-(tetrahydro-2-pyranylo...	278	C12H23BrO2	010160-25-5	27





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Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

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TIC Library : C:\Database\NIST11.L
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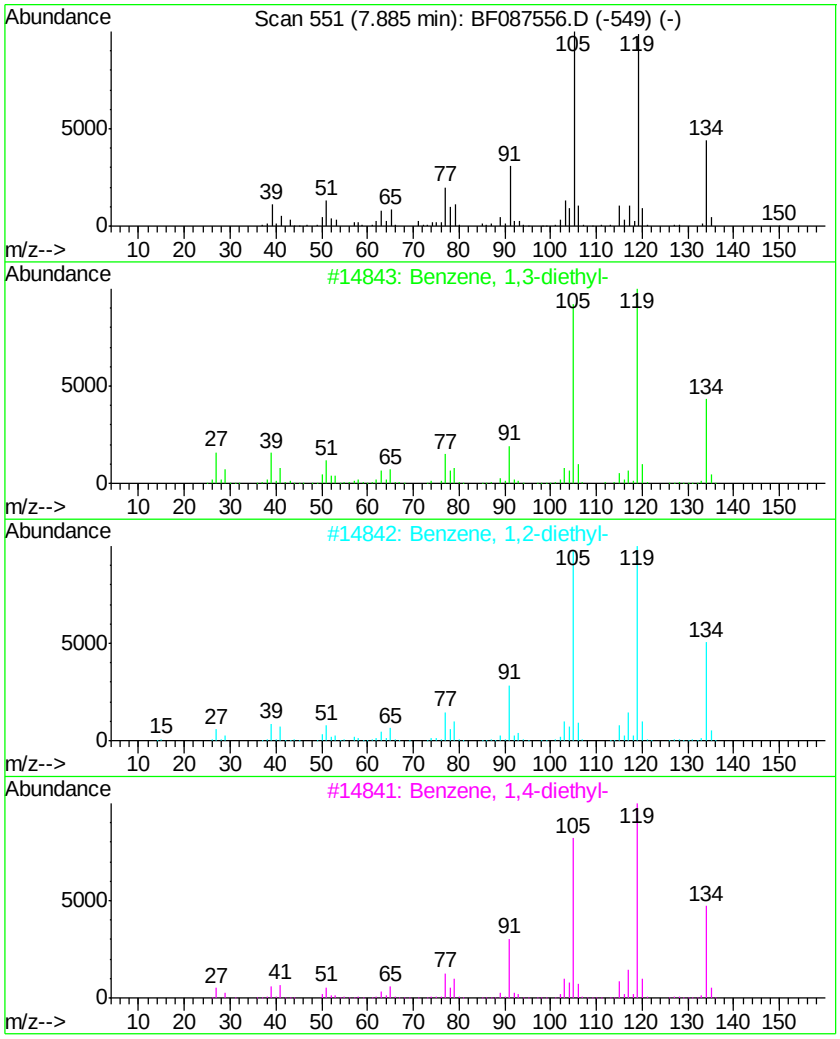
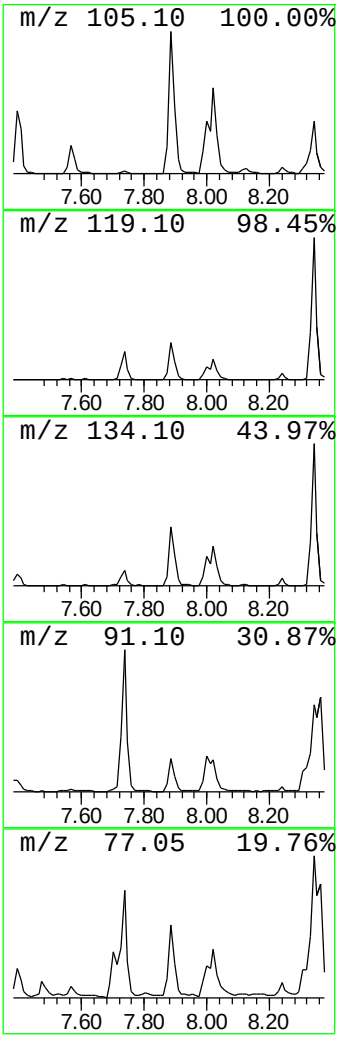
Peak Number 10 Benzene, 1,3-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	14.82 ng	679534	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81





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Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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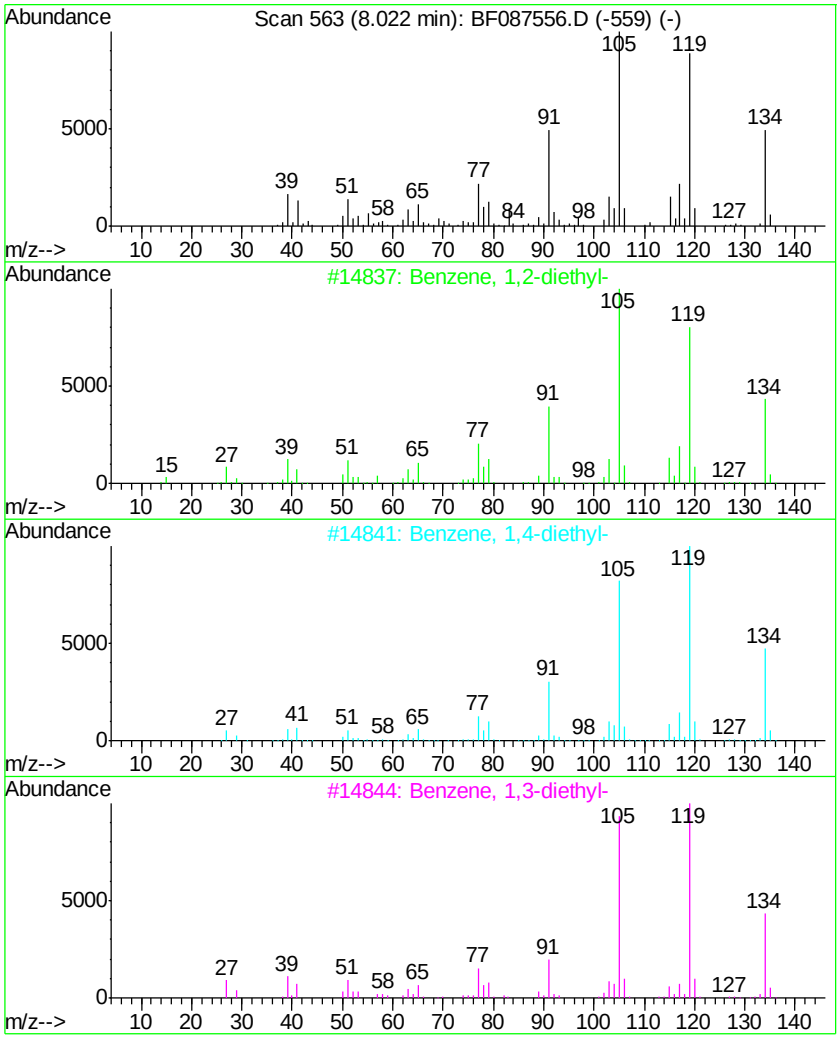
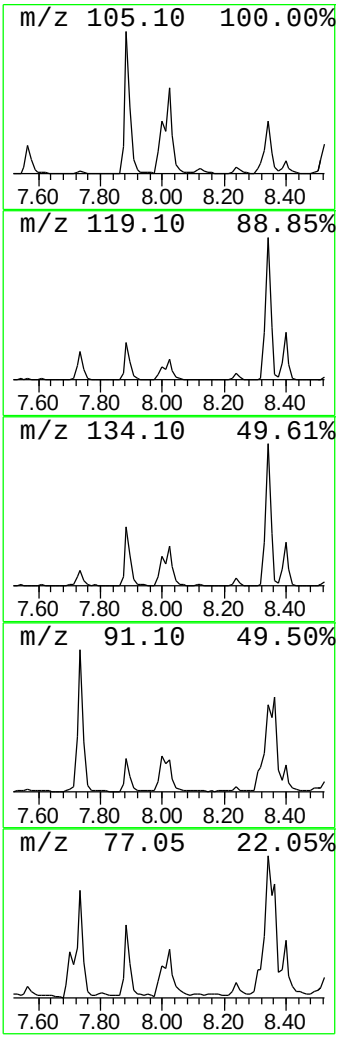
Peak Number 11 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	21.06 ng	965392	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	74





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Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

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ClientSampleId : MW-35

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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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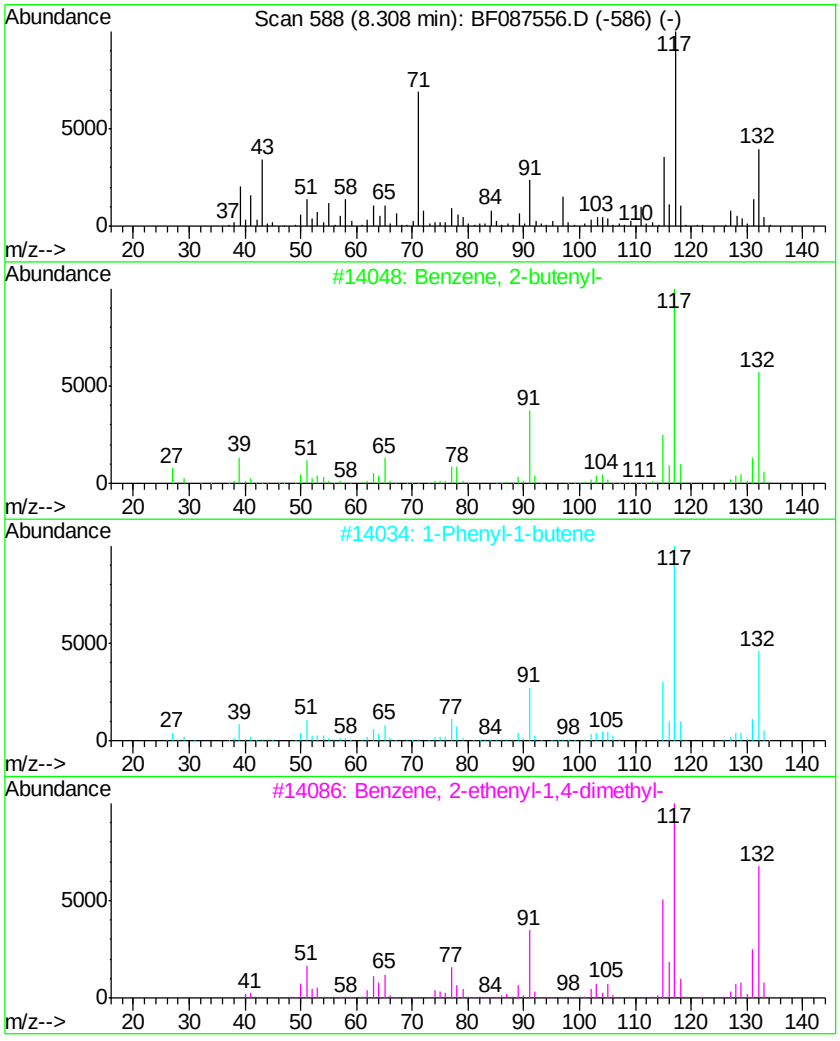
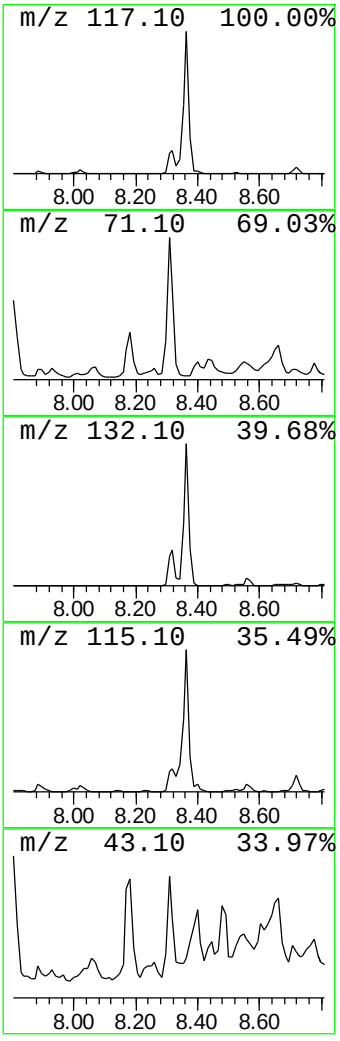
Peak Number 12 Benzene, 2-butenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	13.40 ng	614361	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	96
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	95
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91





Library Search Compound Report

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Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-35

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

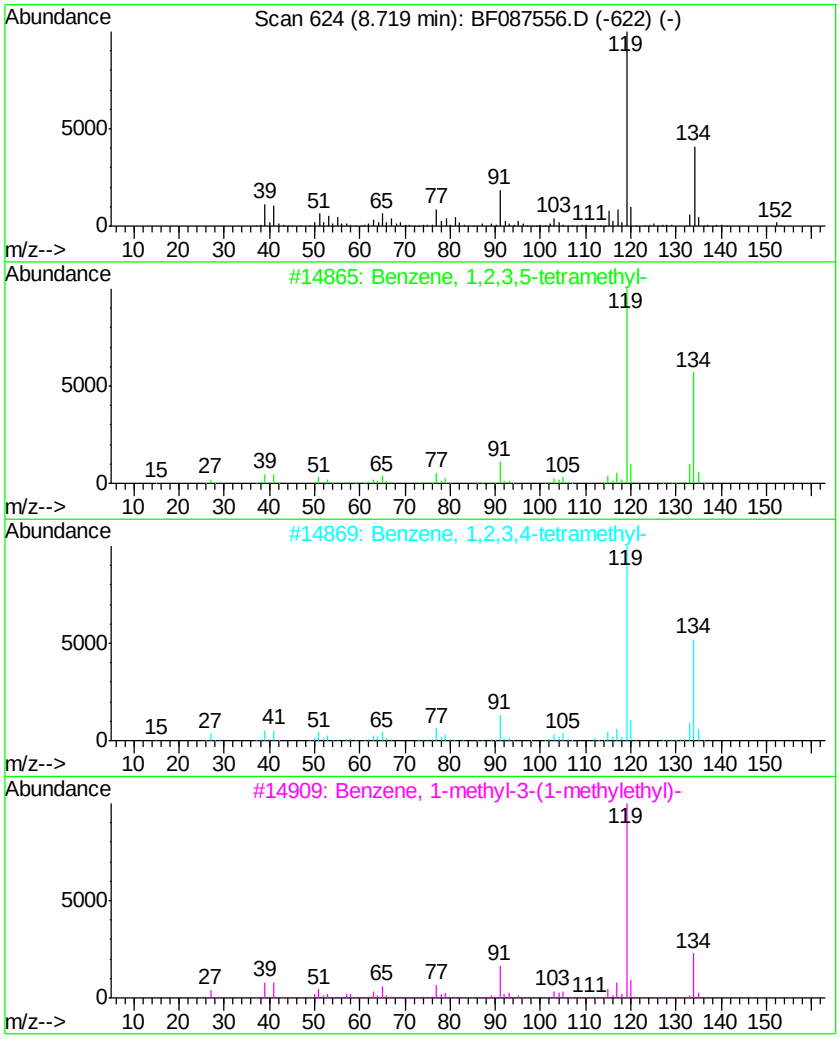
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

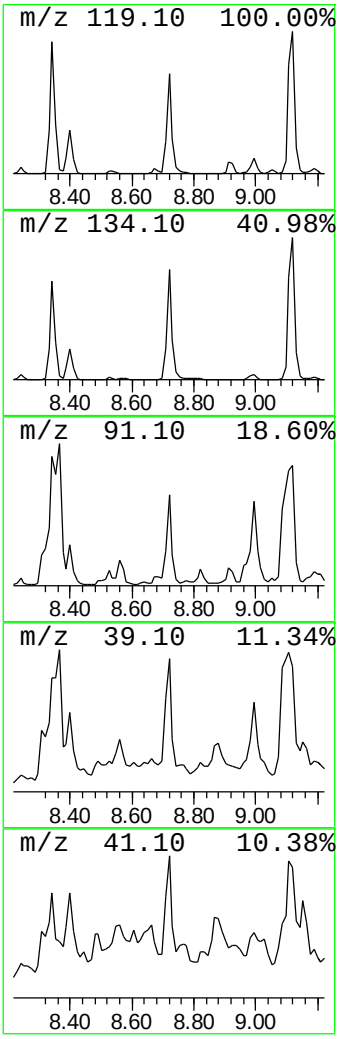
****

Peak Number 13 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	8.78 ng	990805	Naphthalene-d8	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	o-Cymene	134	C10H14	000527-84-4	93





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Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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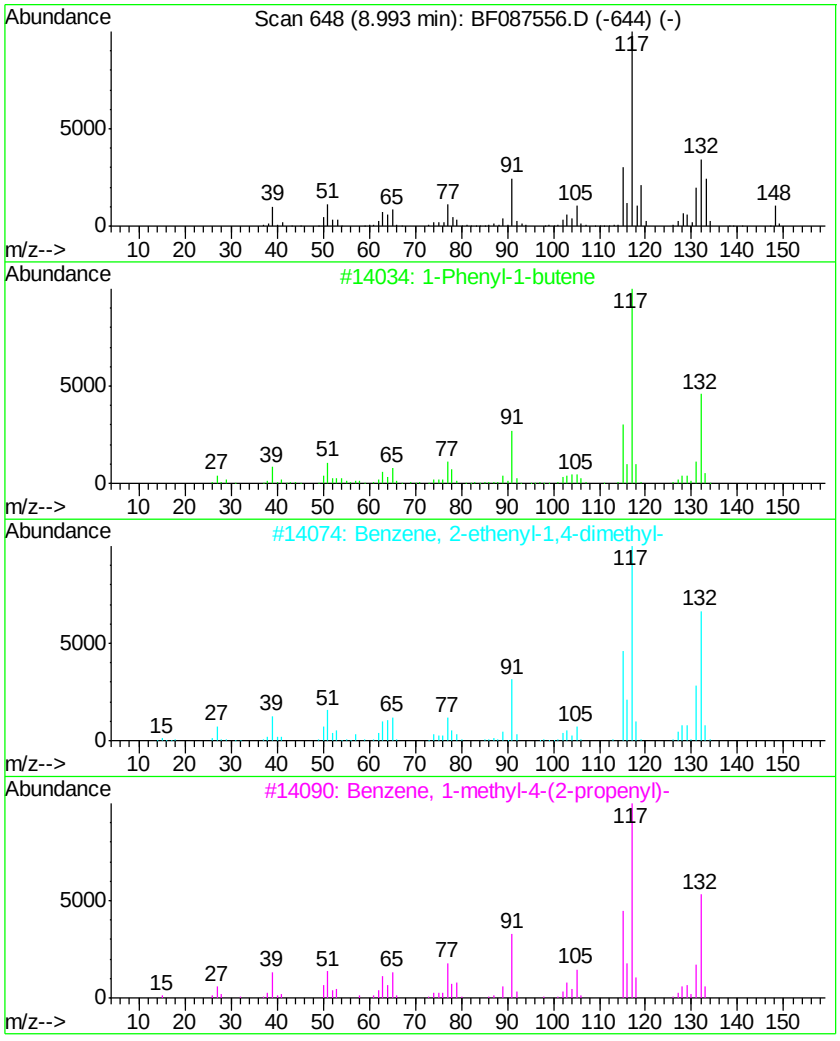
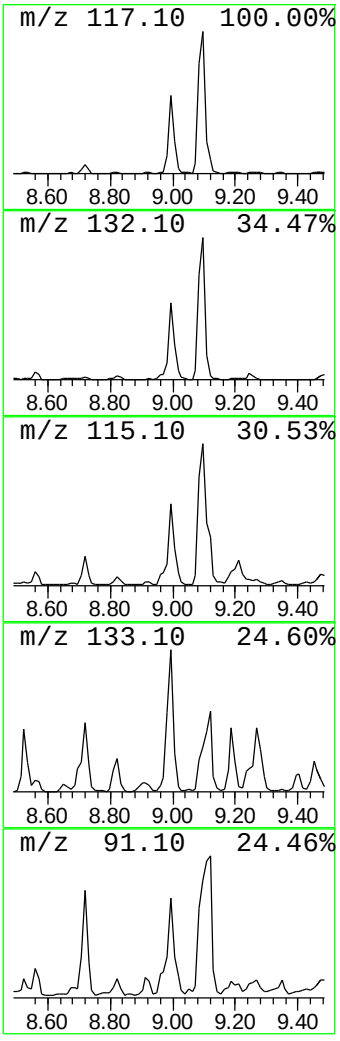
Peak Number 14 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	12.66 ng	1429130	Naphthalene-d8	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	92
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76





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Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

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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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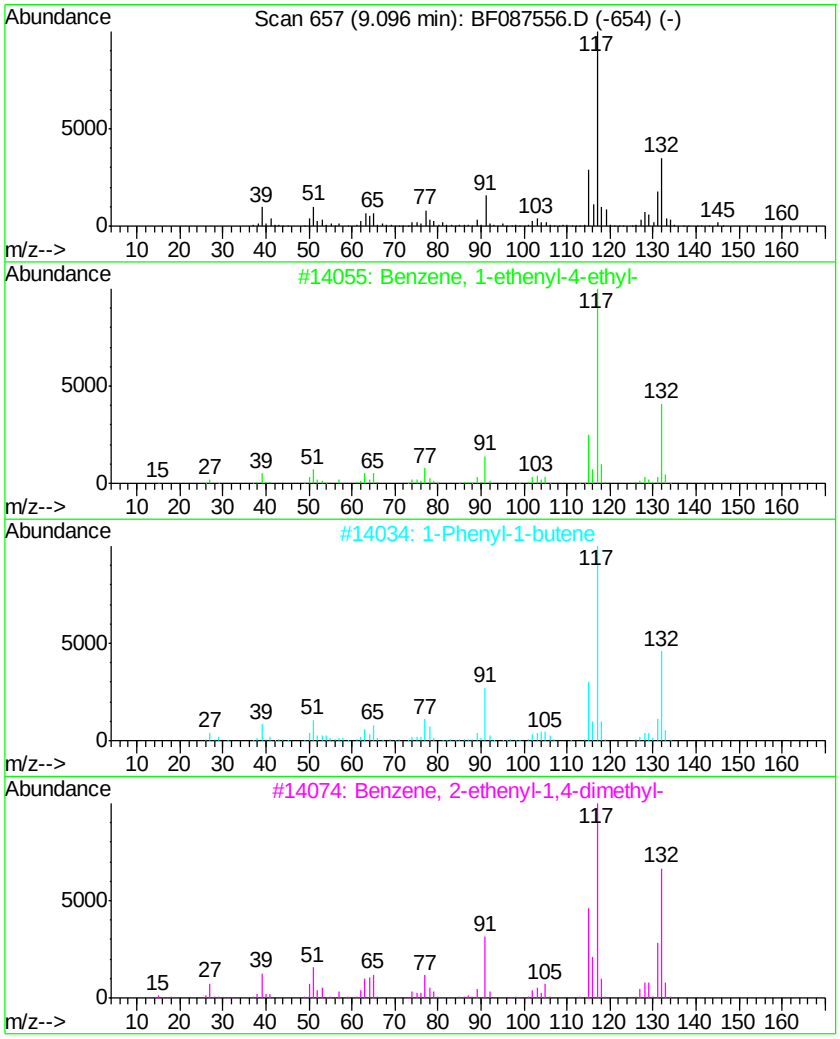
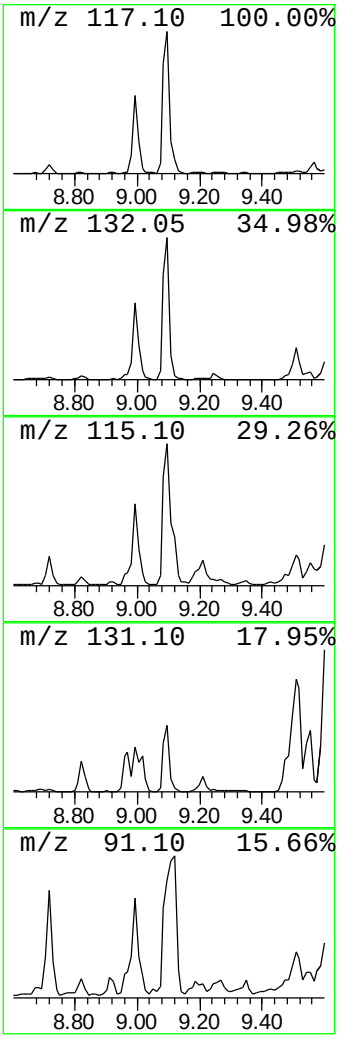
Peak Number 15 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	29.23 ng	3299530	Naphthalene-d8	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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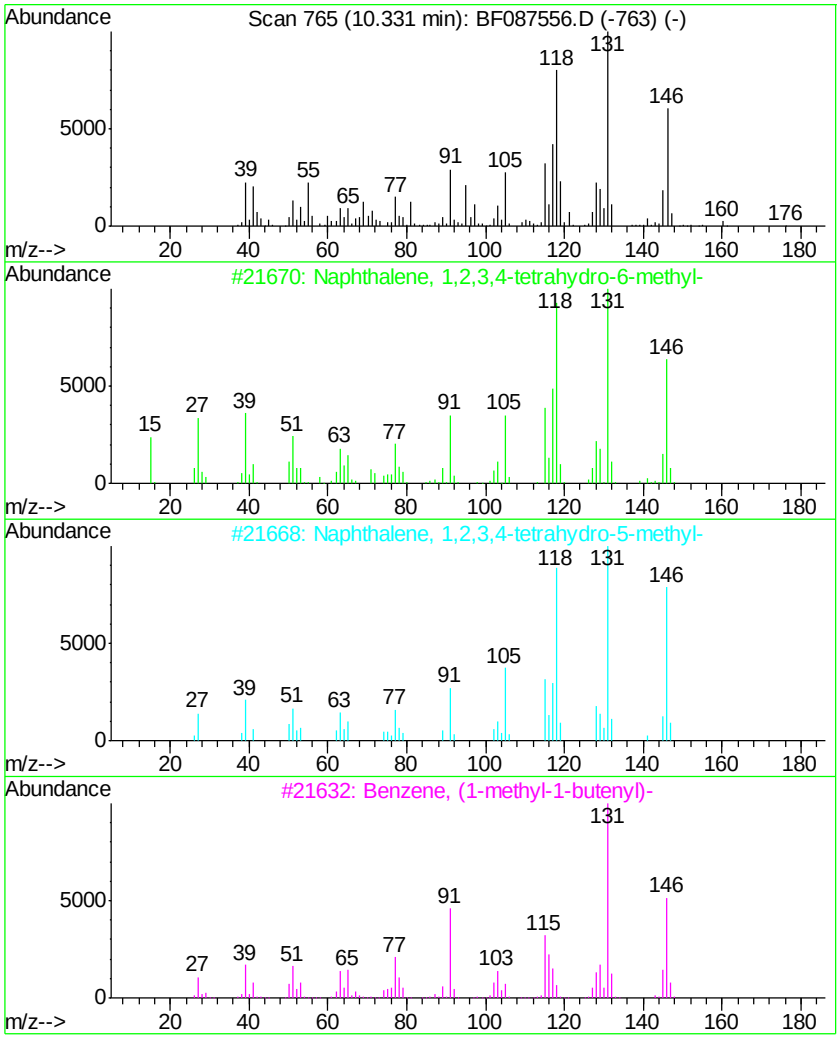
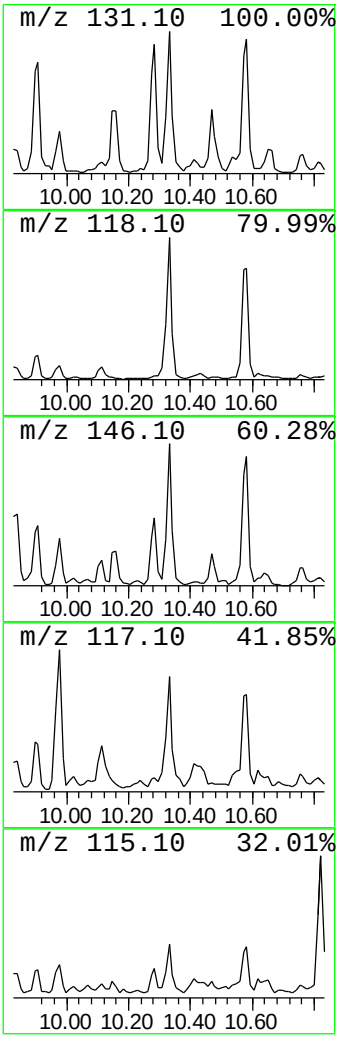
Peak Number 16 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	12.13 ng	1369770	Naphthalene-d8	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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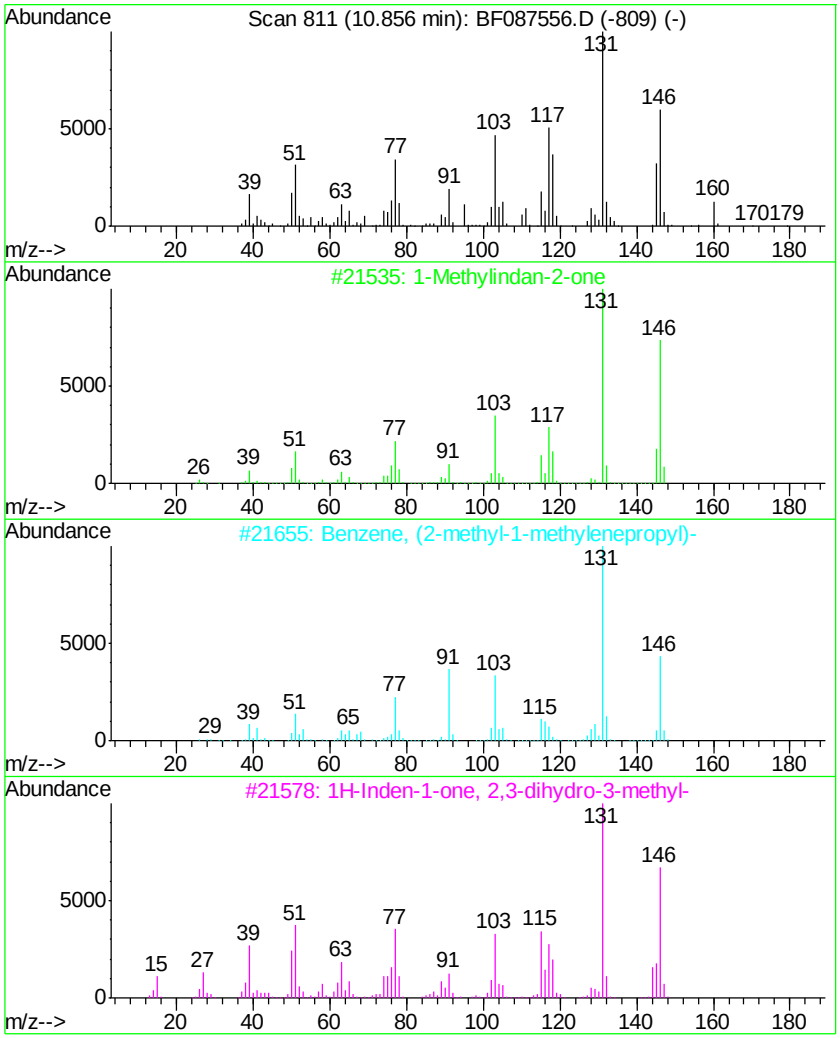
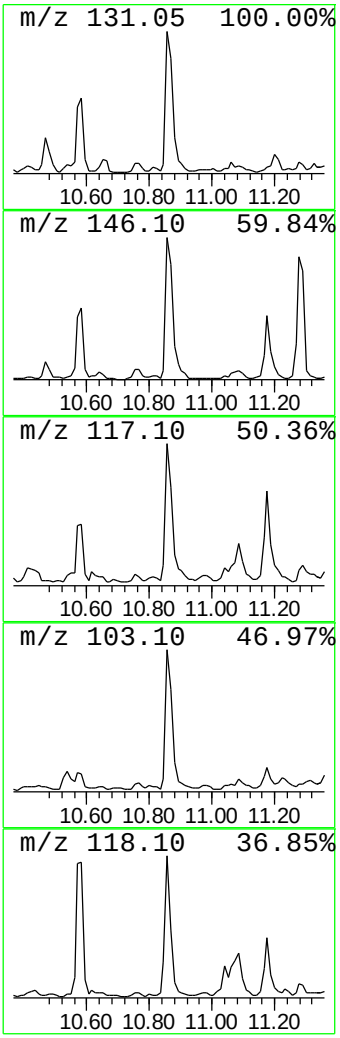
Peak Number 17 1-Methylindan-2-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	8.88 ng	1002750	Naphthalene-d8	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylindan-2-one	146	C10H10O	035587-60-1	93
2	Benzene, (2-methyl-1-methylenepr...	146	C11H14	017498-71-4	58
3	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	58
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	55
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	53





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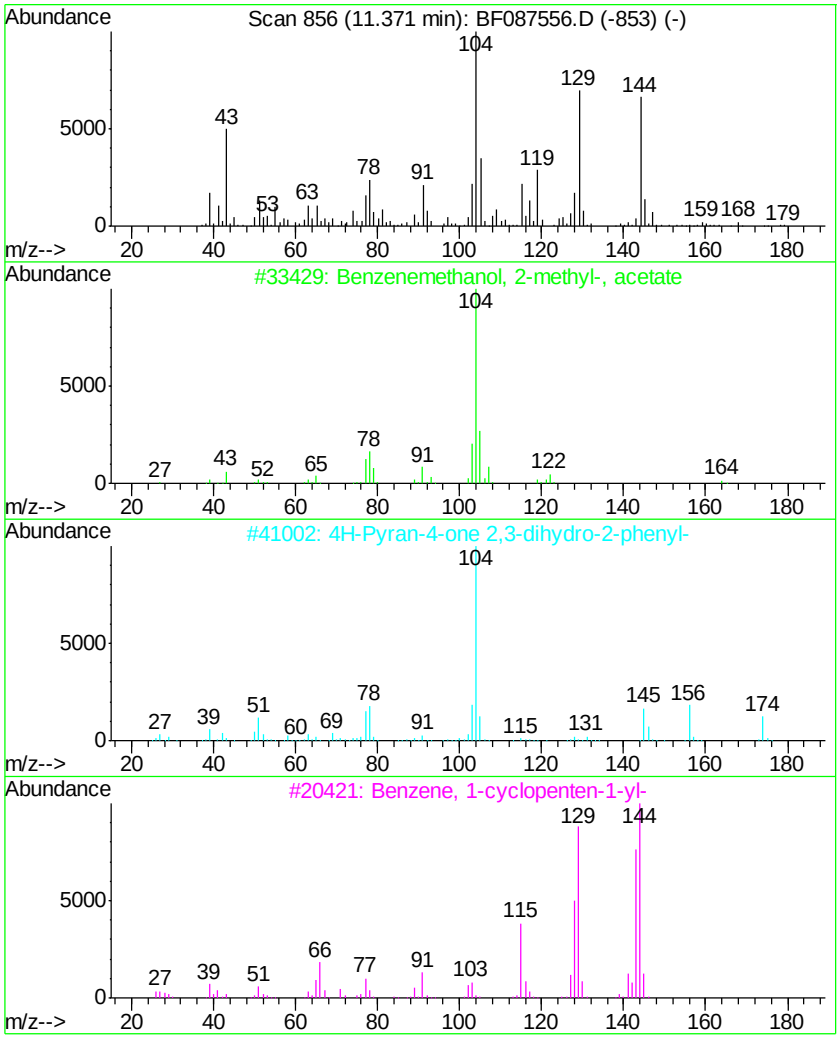
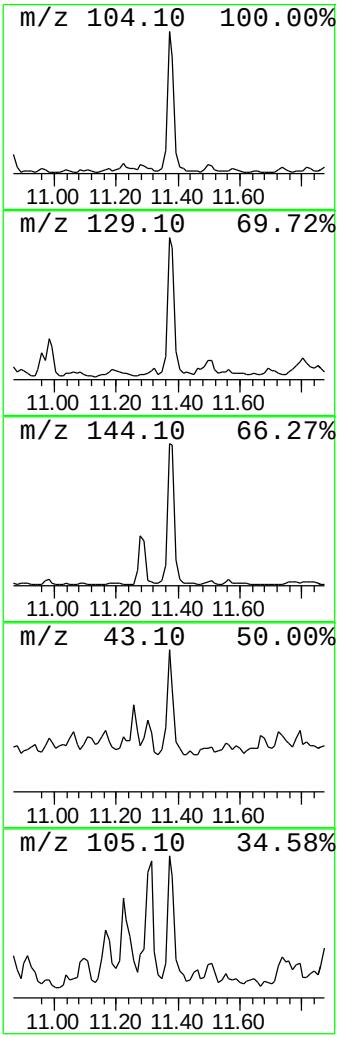
Peak Number 18 unknown11.37 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	8.07 ng	1061410	Acenaphthene-d10	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, 2-methyl-, acetate	164	C10H12O2	017373-93-2	35
2	4H-Pyran-4-one 2,3-dihydro-2-phe...	174	C11H10O2	1000163-21-2	35
3	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	27
4	Benzene,2-cyclopenten-1-yl-	144	C11H12	037689-22-8	27
5	Fumaric acid, pentadecyl 2-pheny...	430	C27H42O4	1000339-35-1	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

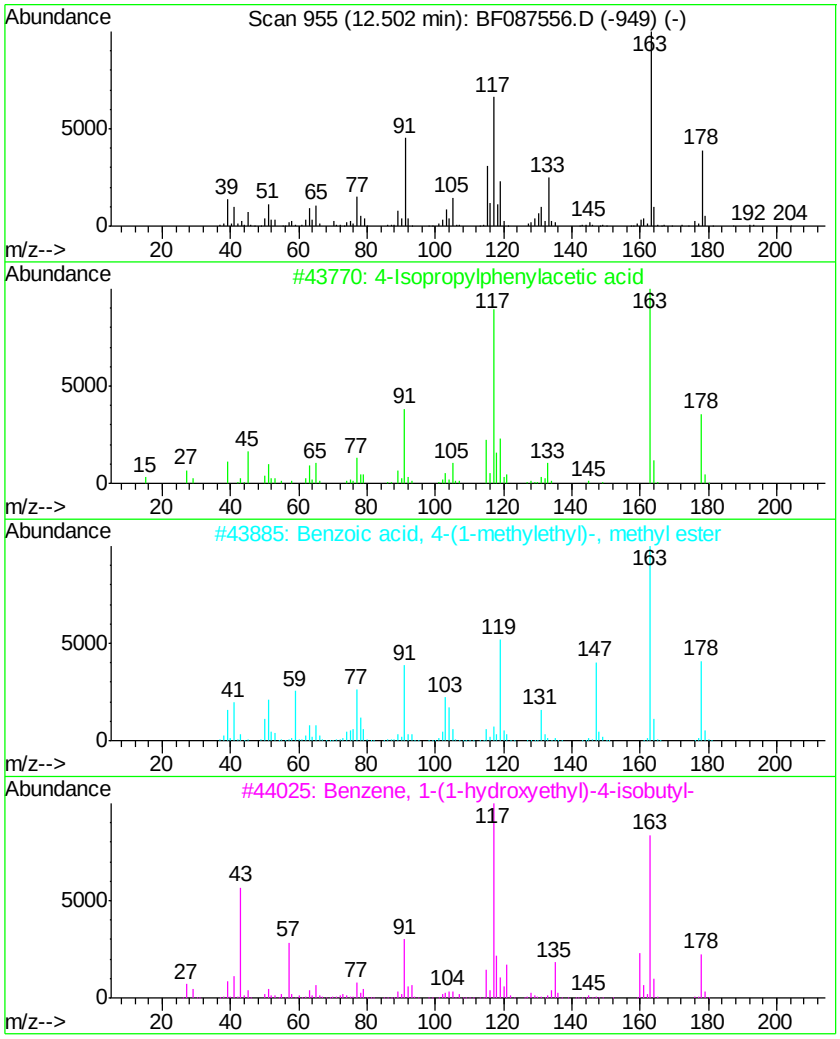
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

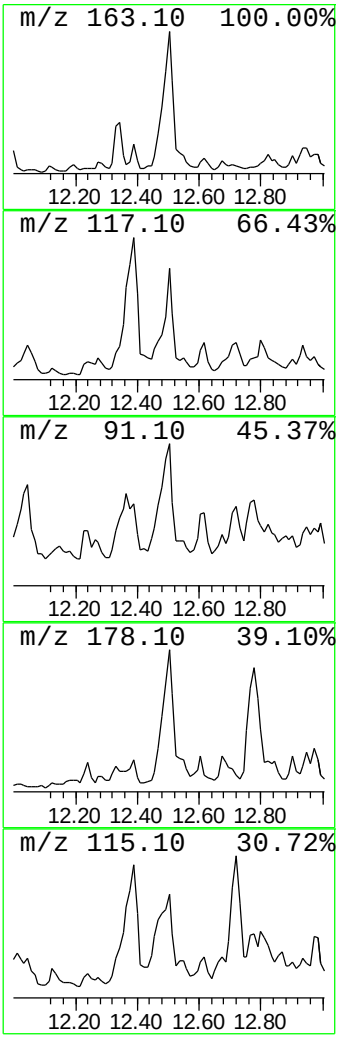
****

Peak Number 19 4-Isopropylphenylacetic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	10.49 ng	1379340	Acenaphthene-d10	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropylphenylacetic acid	178	C11H14O2	004476-28-2	91
2	Benzoic acid, 4-(1-methylethyl)-...	178	C11H14O2	020185-55-1	60
3	Benzene, 1-(1-hydroxyethyl)-4-is...	178	C12H18O	040150-92-3	59
4	5-Nitrobenzimidazole	163	C7H5N3O2	1000229-89-5	49
5	6-tert-Butyl-2,4-dimethylphenol	178	C12H18O	001879-09-0	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

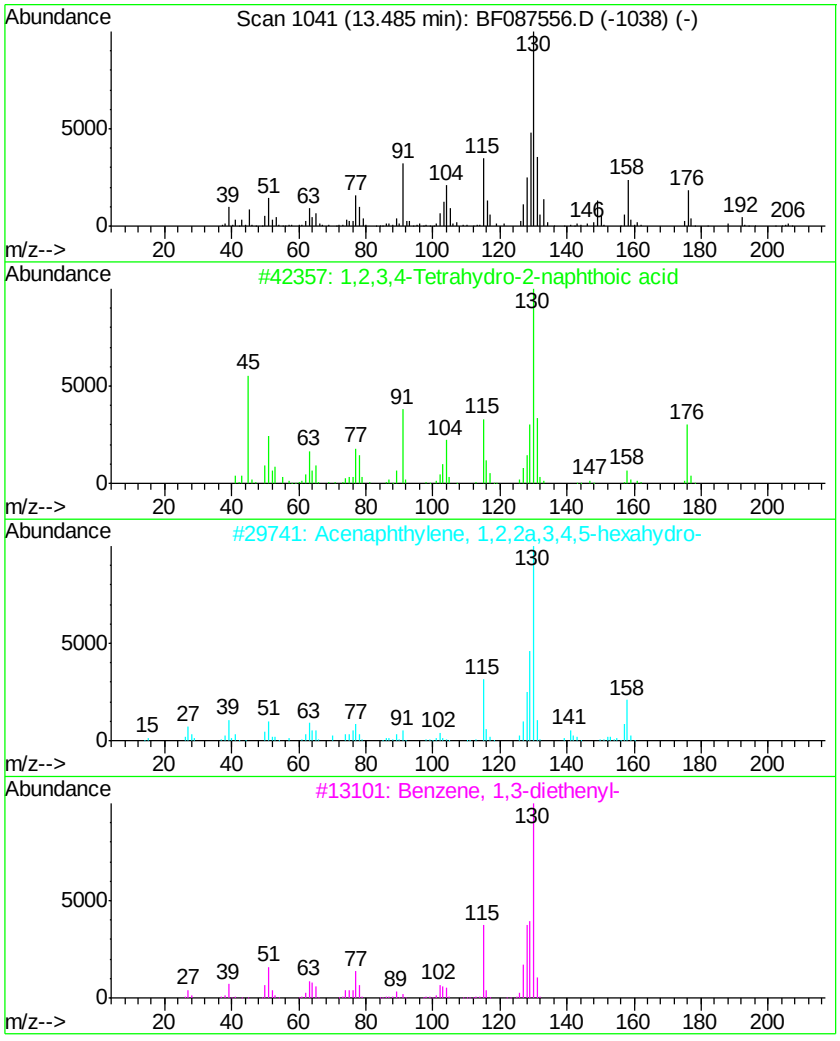
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

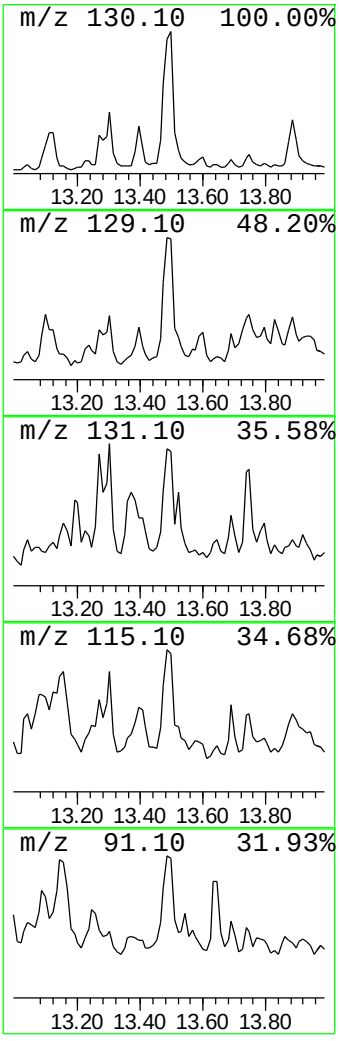
****

Peak Number 20 1,2,3,4-Tetrahydro-2-naphth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	8.73 ng	1148350	Acenaphthene-d10	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Tetrahydro-2-naphthoic acid	176	C11H12O2	053440-12-3	86
2	Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	62
3	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	49
4	Benzene, 1-methyl-4-(1-propynyl)-	130	C10H10	002749-93-1	49
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052916\
Data File : BF087556.D
Acq On : 30 May 2016 18:12
Operator : UM/SJ
Sample : H3317-11
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-35

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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
unknown4.71	4.71	7.7	ng	353071	1	7.47	916909	20.0
Benzene, (1-methy...	6.14	12.9	ng	591396	1	7.47	916909	20.0
Benzene, propyl-	6.62	8.8	ng	402630	1	7.47	916909	20.0
3-Octen-2-ol	6.90	10.2	ng	465596	1	7.47	916909	20.0
unknown7.14	7.14	75.1	ng	3444040	1	7.47	916909	20.0
Benzeneacetaldehy...	7.39	9.0	ng	413909	1	7.47	916909	20.0
Benzene, 2-propenyl-	7.74	43.5	ng	1993520	1	7.47	916909	20.0
Cyclohexanol, 1,3...	7.80	9.3	ng	425776	1	7.47	916909	20.0
Benzene, 1,3-diet...	7.88	14.8	ng	679534	1	7.47	916909	20.0
Benzene, 1,2-diet...	8.02	21.1	ng	965392	1	7.47	916909	20.0
Benzene, 2-butenyl-	8.31	13.4	ng	614361	1	7.47	916909	20.0
Benzene, 1,2,3,5-...	8.72	8.8	ng	990805	2	9.51	2257760	20.0
1-Phenyl-1-butene	8.99	12.7	ng	1429130	2	9.51	2257760	20.0
Benzene, 1-etheny...	9.10	29.2	ng	3299530	2	9.51	2257760	20.0
Naphthalene, 1,2,...	10.33	12.1	ng	1369770	2	9.51	2257760	20.0
1-Methylindan-2-one	10.86	8.9	ng	1002750	2	9.51	2257760	20.0
unknown11.37	11.37	8.1	ng	1061410	3	12.33	2630660	20.0
4-Isopropylphenyl...	12.50	10.5	ng	1379340	3	12.33	2630660	20.0
1,2,3,4-Tetrahydr...	13.49	8.7	ng	1148350	3	12.33	2630660	20.0