LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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	1.744	3	5	28	rVB	3669849	9627518	100.00%	9.047%
2	2.201	42	45	53	rVB2	48194	123662	1.28%	0.116%
3	2.738	87	92	98	rVB3	39290	107308	1.11%	0.101%
4	2.910	101	107	110	rBV3	62573	166145	1.73%	0.156%
5	3.687	168	175	178	rBV3	72966	196756	2.04%	0.185%
6	3.881	187	192	194	rBV2	45887	106211	1.10%	0.100%
7	3.927	194	196	199	rVV	46943	105267	1.09%	0.099%
8	4.099	208	211	217	rVB2	58944	112499	1.17%	0.106%
9	4.224	217	222	226	rBV	305869	517421	5.37%	0.486%
10	4.510	244	247	249	rBV2	67283	102029	1.06%	0.096%
11	4.681	260	262	266	rVB	82635	116098	1.21%	0.109%
12	4.761	266	269	272	rBV	317426	515269	5.35%	0.484%
13	4.819	272	274	277	rVB	77747	104990	1.09%	0.099%
14	5.047	291	294	296	rBV	2490615	2801258	29.10%	2.632%
15	5.184	302	306	307	rBV	572418	1201729	12.48%	1.129%
16	5.219	307	309	316	rVV	2104822	2328392	24.18%	2.188%
17	5.356	319	321	324	rVV	73019	116478	1.21%	0.109%
18	5.436	327	328	334	rVV4	66059	155879	1.62%	0.146%
19	5.619	338	344	346	rBV2	63216	111798	1.16%	0.105%
20	5.779	354	358	360	rBV	969154	991157	10.30%	0.931%
21	6.076	382	384	387	rBV	1516488	1819979	18.90%	1.710%
22	6.156	387	391	392	rVV2	73155	100402	1.04%	0.094%
23	6.179	392	393	396	rVB	357128	351957	3.66%	0.331%
24	6.224	396	397	401	rVB	417449	451101	4.69%	0.424%
25	6.293	401	403	411	rBV2	1095845	1984935	20.62%	1.865%
26	6.407	411	413	416	rBV	3780680	4156983	43.18%	3.906%
27	6.453	416	417	420	rVB	2402184	2814910	29.24%	2.645%
28	6.590	426	429	431	rBV2	353971	582715	6.05%	0.548%
29	6.636	431	433	435	rBV	876376	885401	9.20%	0.832%
30	6.693	435	438	439	rVV	553769	462588	4.80%	0.435%
31	6.796	444	447	451	rBV2	2859428	6551148	68.05%	6.156%
32	6.887	453	455	460	rVV	1517087	1935874	20.11%	1.819%
33	6.956	460	461	466	rVV	1018213	1748060	18.16%	1.643%
34	7.036	466	468	471	rVV	242330	237844	2.47%	0.223%

LSC Area Percent Report

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Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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	7.105	472	474	478	rVB	547610	968054	10.06%	0.910%
36	7.185	478	481	482	rBV2	3420660	5198207	53.99%	4.885%
37	7.207	482	483	486	rVV	3950751	3794068	39.41%	3.565%
38	7.287	488	490	492	rVV2	239454	368122	3.82%	0.346%
39	7.333	492	494	495	rVV	151356	212188	2.20%	0.199%
40	7.413	498	501	502	rVV	2044084	1987429	20.64%	1.868%
41	7.436	502	503	506	rVV	839710	1008981	10.48%	0.948%
42	7.493	506	508	509	rVV	99304	114675	1.19%	0.108%
43	7.539	509	512	513	rVV	275374	393062	4.08%	0.369%
44	7.596	513	517	520	rVV	2255050	2708850	28.14%	2.545%
45	7.665	520	523	525	rVV	3816146	4319526	44.87%	4.059%
46	7.699	525	526	528	rVV	472465	547978	5.69%	0.515%
47	7.756	528	531	533	rVV3	475302	887734	9.22%	0.834%
48	7.802	533	535	537	rVV	456267	525127	5.45%	0.493%
49	7.939	539	547	551	rVV3	2393502	6676780	69.35%	6.274%
50	8.019	551	554	556	rVV2	348303	451563	4.69%	0.424%
51	8.076	556	559	561	rVV3	77698	169693	1.76%	0.159%
52	8.122	561	563	566	rVV4	87269	180713	1.88%	0.170%
53	8.202	567	570	573	rVV2	594991	876809	9.11%	0.824%
54	8.305	577	579	582	rVV	335209	526603	5.47%	0.495%
55	8.362	582	584	585	rVV2	90708	172459	1.79%	0.162%
56	8.396	585	587	588	rVV	298695	400862	4.16%	0.377%
57	8.430	588	590	593	rVV3	222583	544455	5.66%	0.512%
58	8.488	593	595	596	rVV	238343	269405	2.80%	0.253%
59	8.510	596	597	600	rVV	257569	331632	3.44%	0.312%
60	8.579	600	603	605	rVV3	104850	254569	2.64%	0.239%
61	8.636	605	608	610	rVV	2557084	2426026	25.20%	2.280%
62	8.670	610	611	614	rVV2	124241	209306	2.17%	0.197%
63	8.728	614	616	619	rVV	1047675	1607276	16.69%	1.510%
64	8.773	619	620	622	rVV	116319	162164	1.68%	0.152%
65	8.819	622	624	626	rVV2	139844	247897	2.57%	0.233%
66	8.876	626	629	631	rVV2	107665	226519	2.35%	0.213%
67	8.933	631	634	635	rVV2	73436	143954	1.50%	0.135%
68	9.002	637	640	643	rVV	5509507	5601499	58.18%	5.264%
69	9.105	645	649	651	rVV3	85473	200358	2.08%	0.188%
70	9.196	654	657	659	rVV2	99946	177023	1.84%	0.166%
71	9.265	659	663	665	rVV	256606	476518	4.95%	0.448%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

72	9.333	665	669	670	rVV	293603	419771	4.36%	0.394%
73	9.356	670	671	673	rVV	159420	208418	2.16%	0.196%
74	9.402	673	675	678	rVV	230228	277826	2.89%	0.261%
75	9.448	678	679	682	rVV	95708	128446	1.33%	0.121%
76	9.528	682	686	689	rVB2	55077	96291	1.00%	0.090%
77	9.665	696	698	701	rBV	1294315	1422797	14.78%	1.337%
78	9.802	705	710	713	rBV3	166647	287395	2.99%	0.270%
79	10.168	739	742	745	rBV2	72841	115008	1.19%	0.108%
80	10.465	765	768	770	rBV	3268434	3930947	40.83%	3.694%
81	10.591	777	779	783	rVB	60681	98608	1.02%	0.093%
82	11.151	825	828	830	rBV	1550210	1527105	15.86%	1.435%
83	12.739	964	967	969	rBV	5568185	6383898	66.31%	5.999%
84	13.780	1055	1058	1060	rBV	1131258	1370605	14.24%	1.288%
85	15.140	1175	1177	1183	rBV	800015	1093172	11.35%	1.027%

Sum of corrected areas: 106420132

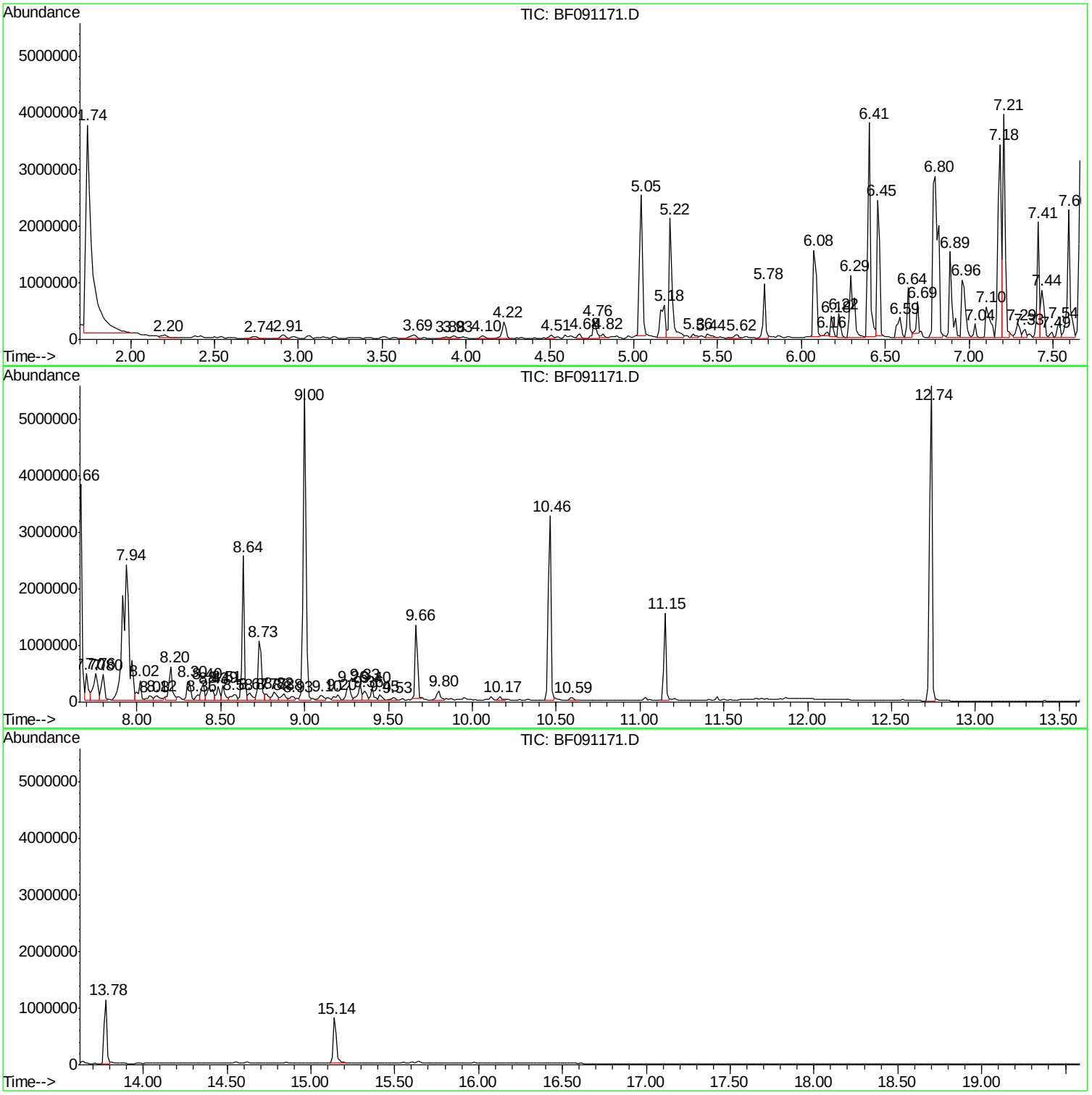
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

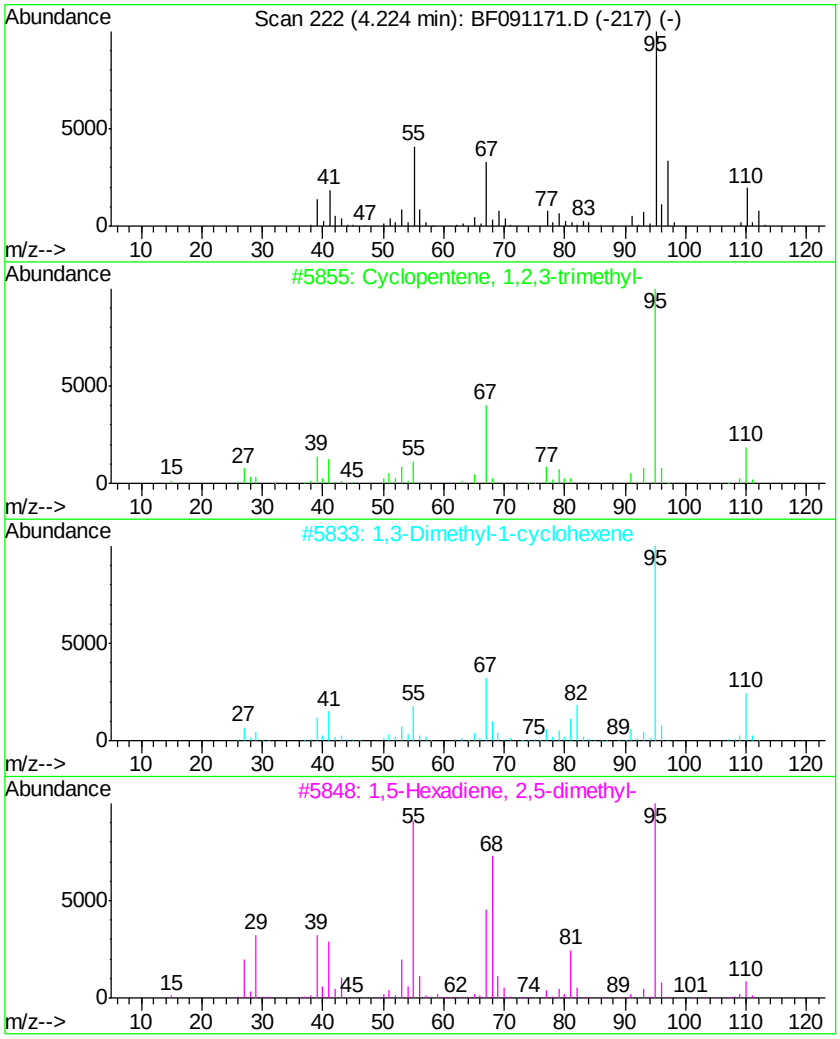
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

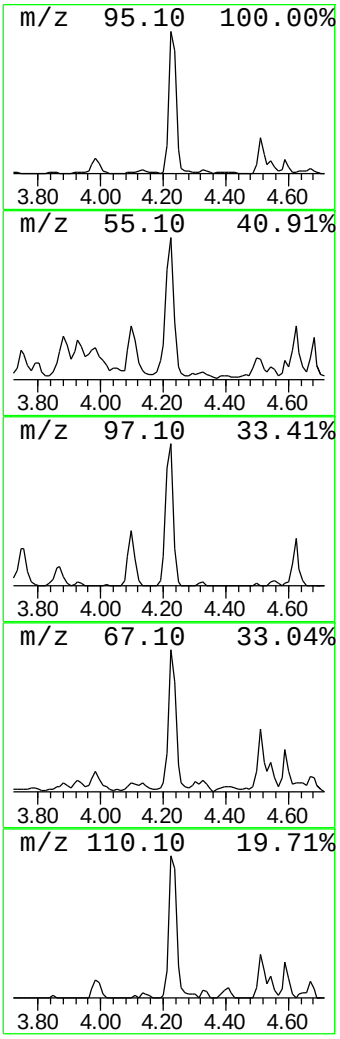
****

Peak Number 2 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.22	11.69 ng	517421	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	93
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	76
3	1,5-Hexadiene, 2,5-dimethyl-	110	C8H14	000627-58-7	59
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	59
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

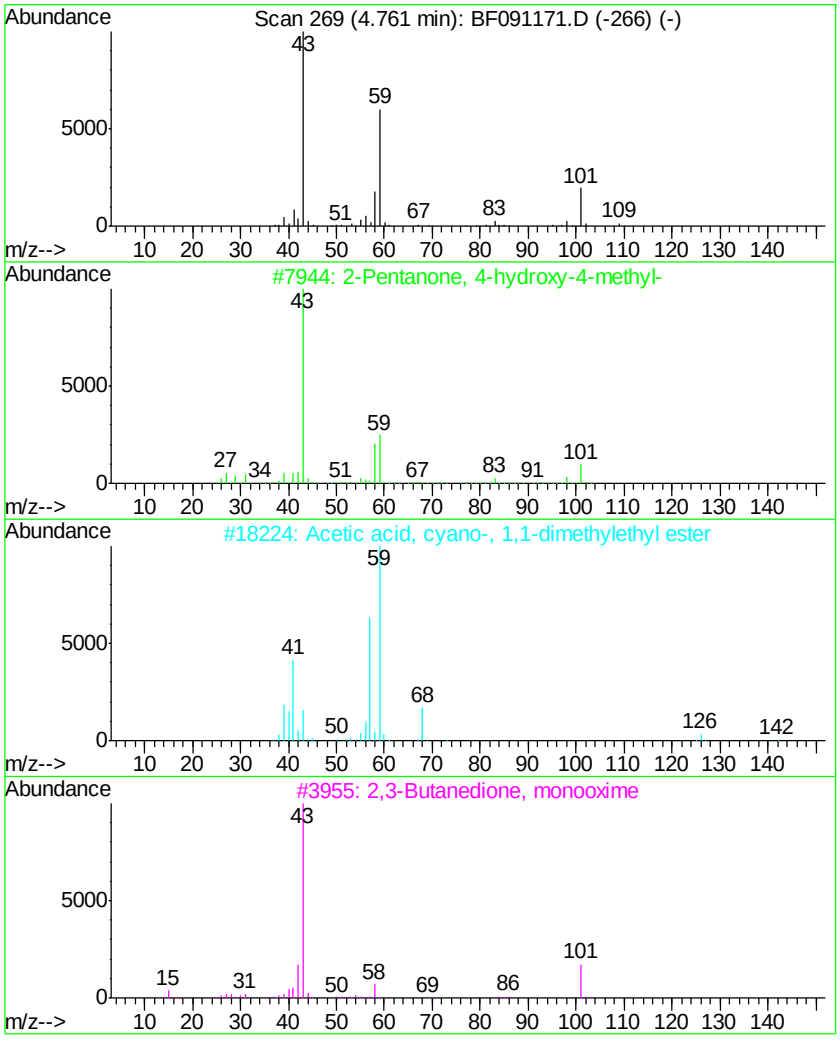
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

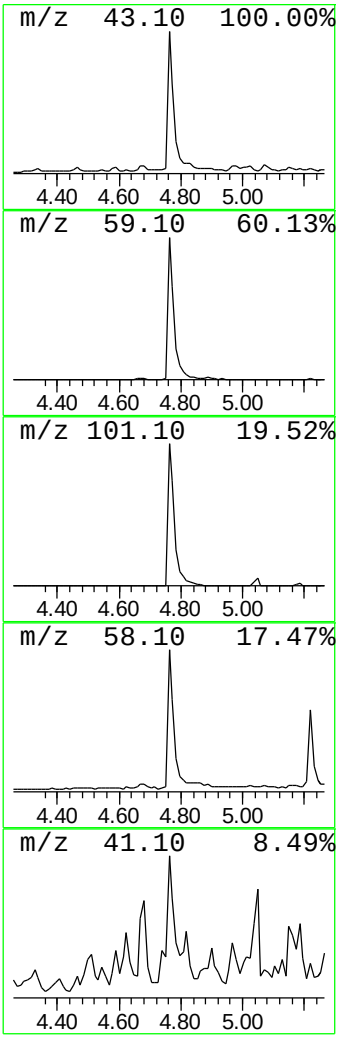
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	11.64 ng	515269	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-111016

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

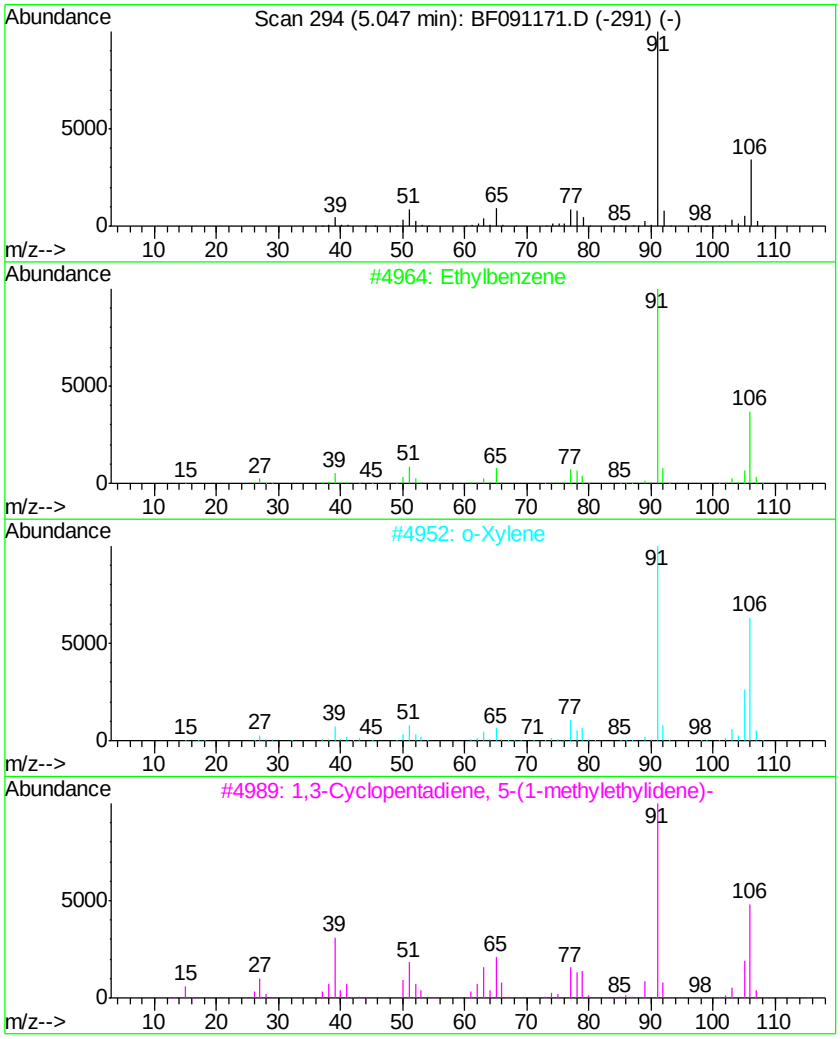
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

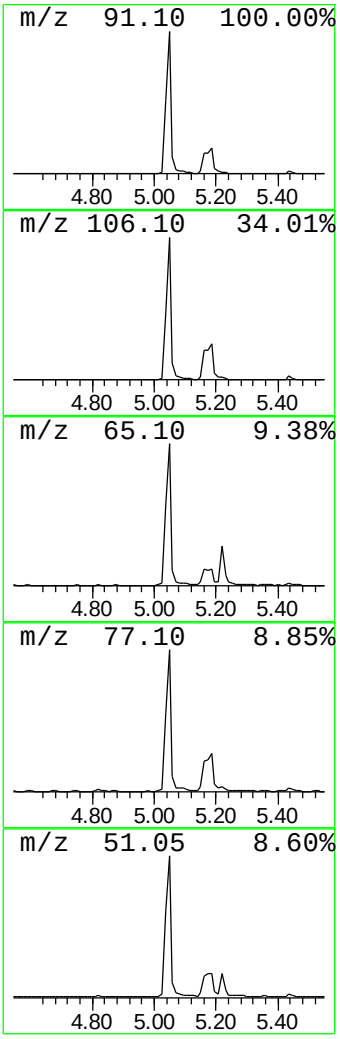
****

Peak Number 4 Ethylbenzene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	63.28 ng	2801260	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	91
2	o-Xylene	106	C8H10	000095-47-6	68
3	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	64
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	64
5	p-Xylene	106	C8H10	000106-42-3	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
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Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

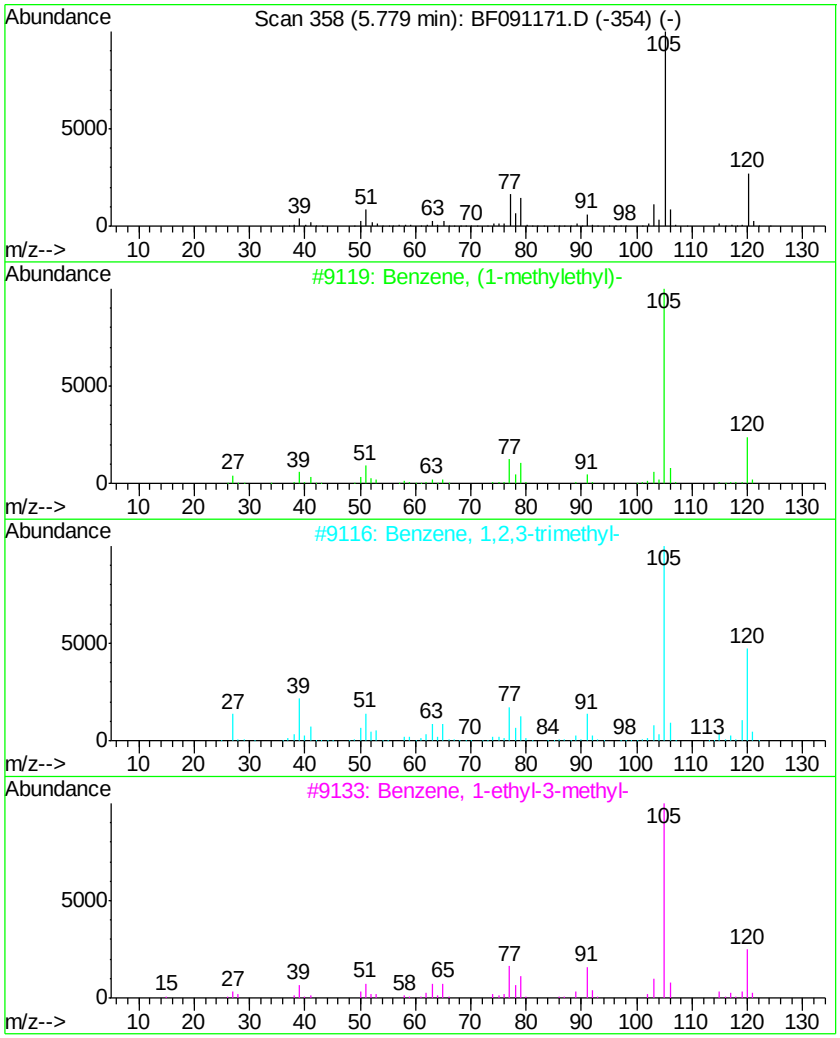
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

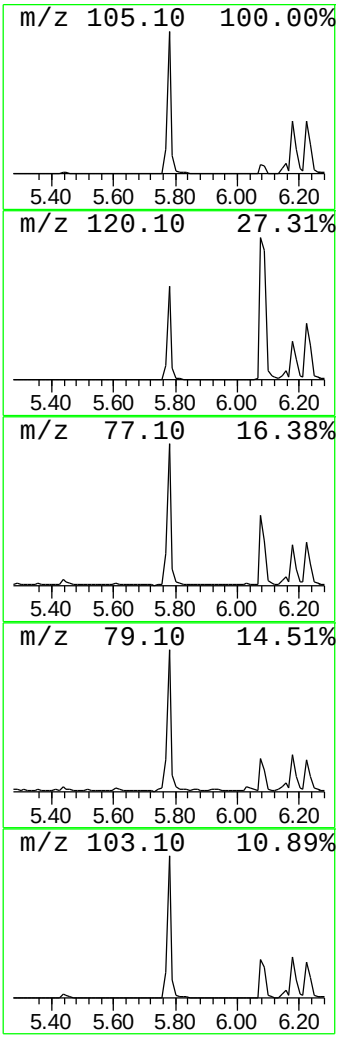
****

Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	22.39 ng	991157	1,4-Dichlorobenzene-d4	6.64

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-3-methyl-	120	C9H12	000620-14-4	80
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80
5	1,3,5-Cycloheptatriene, 7,7-dime...	120	C9H12	007557-11-1	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

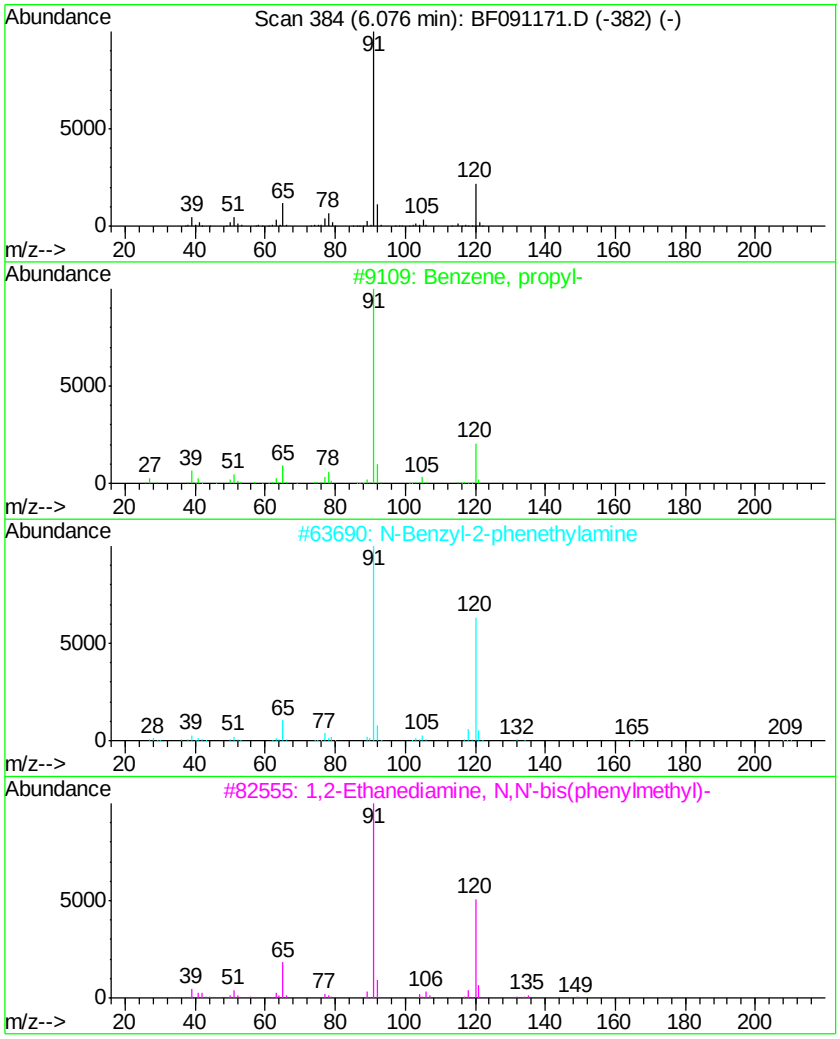
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

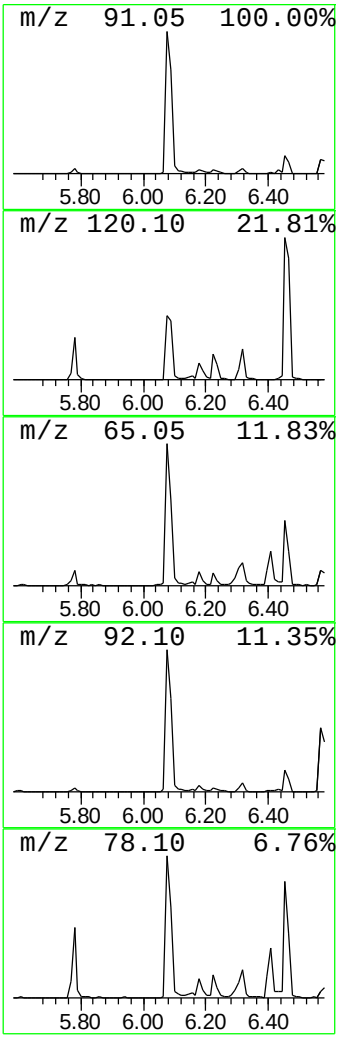
****

Peak Number 6 Benzene, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	41.11 ng	1819980	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	74
3	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

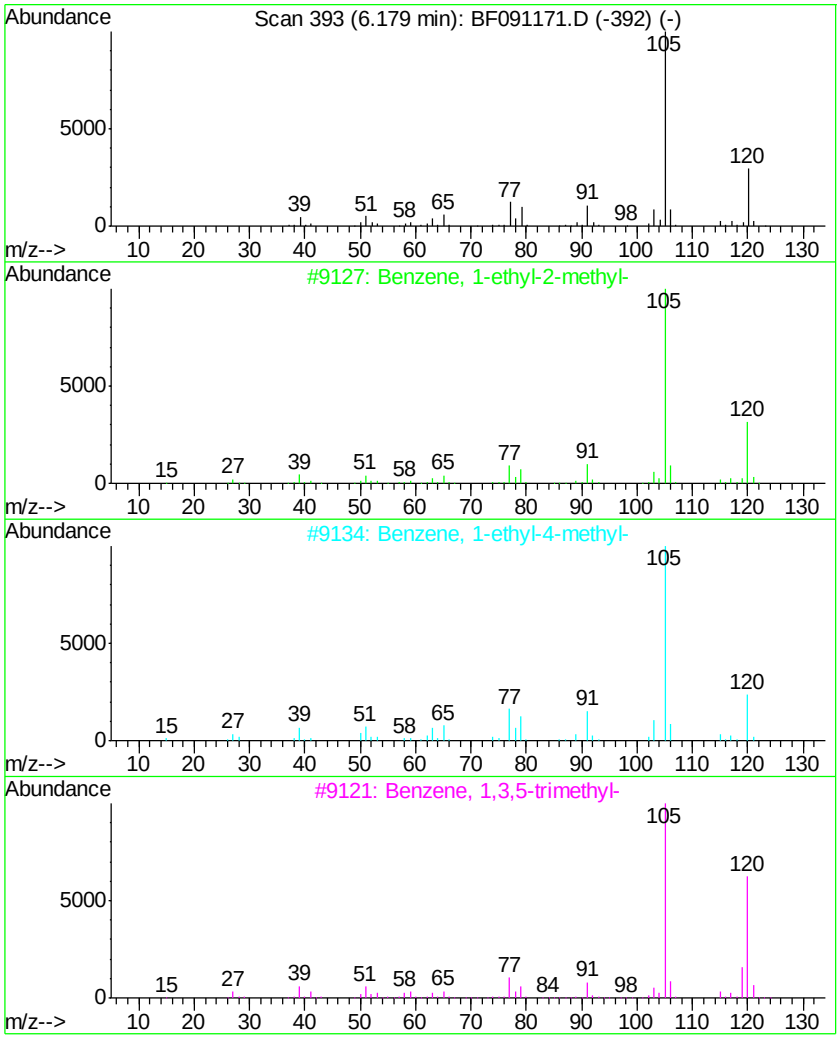
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

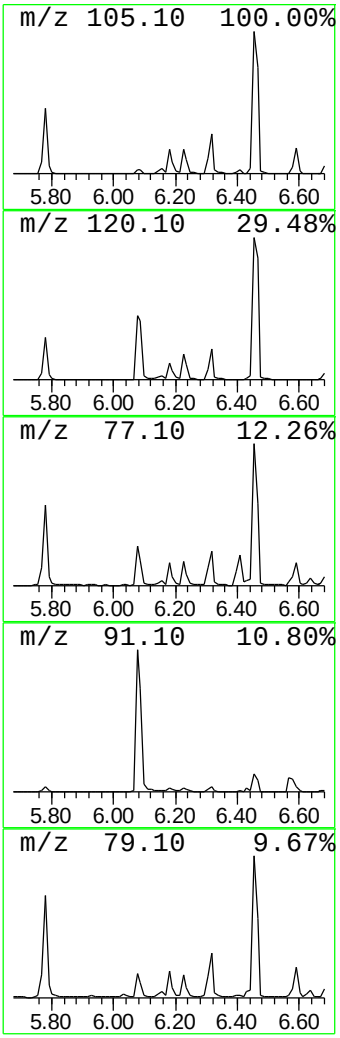
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	7.95 ng	351957	1,4-Dichlorobenzene-d4	6.64

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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

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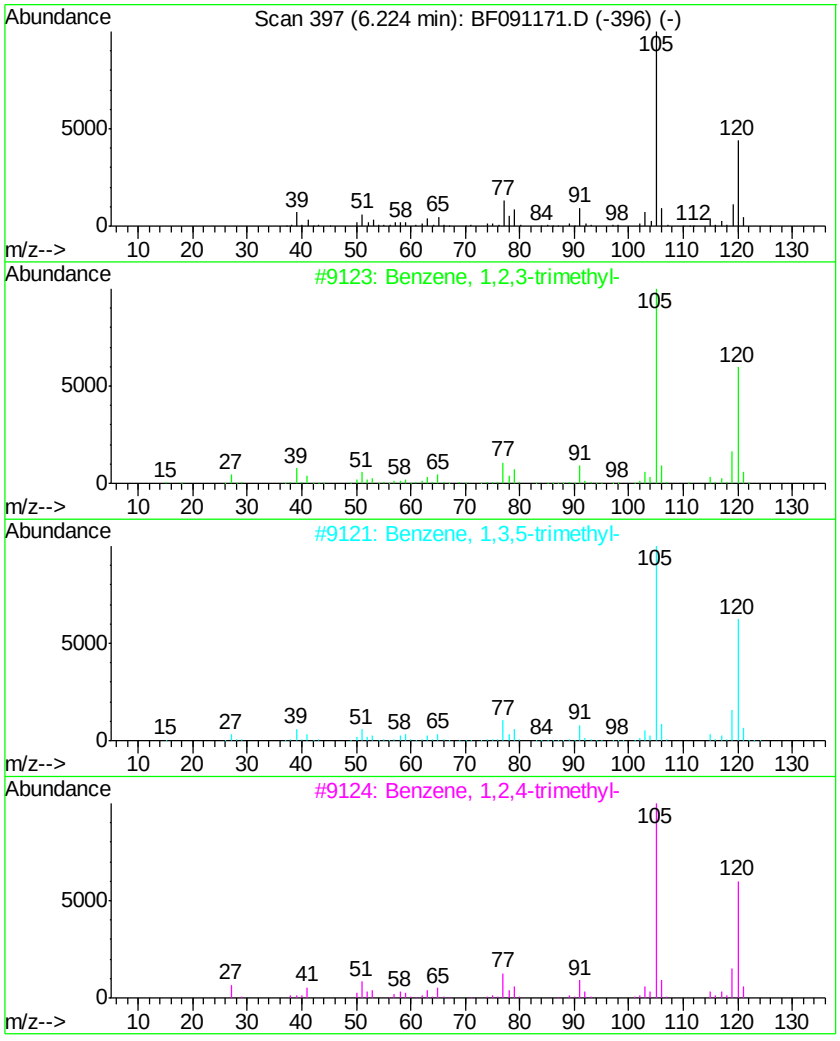
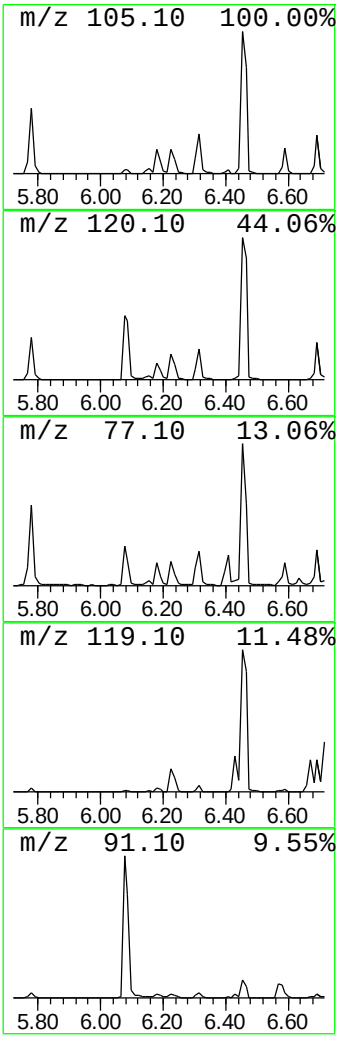
Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	10.19 ng	451101	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





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Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

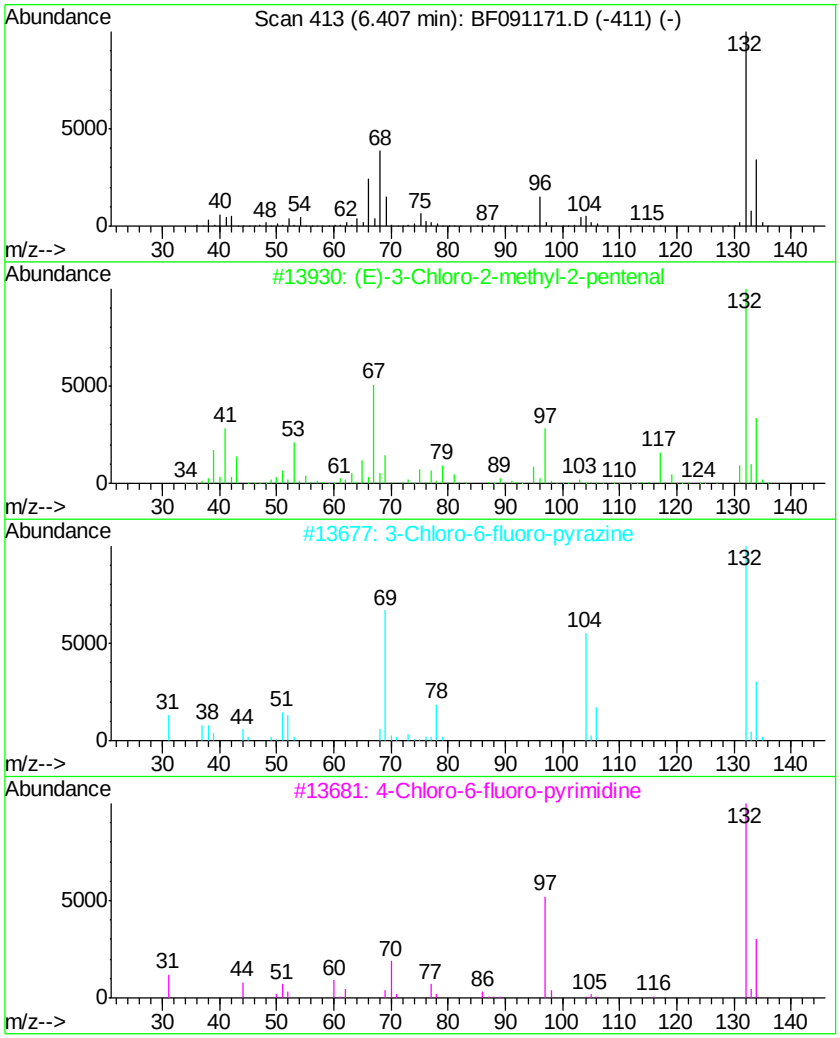
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

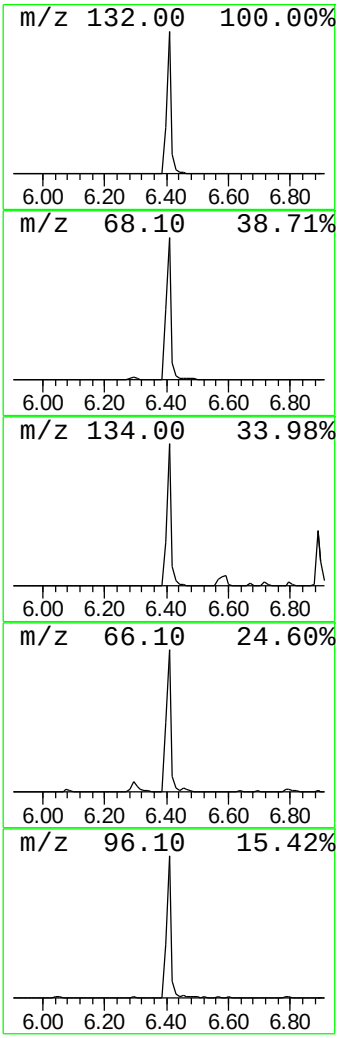
****

Peak Number 9 unknown6.41 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	93.90 ng	4156980	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Acq On : 15 Nov 2016 11:13
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Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

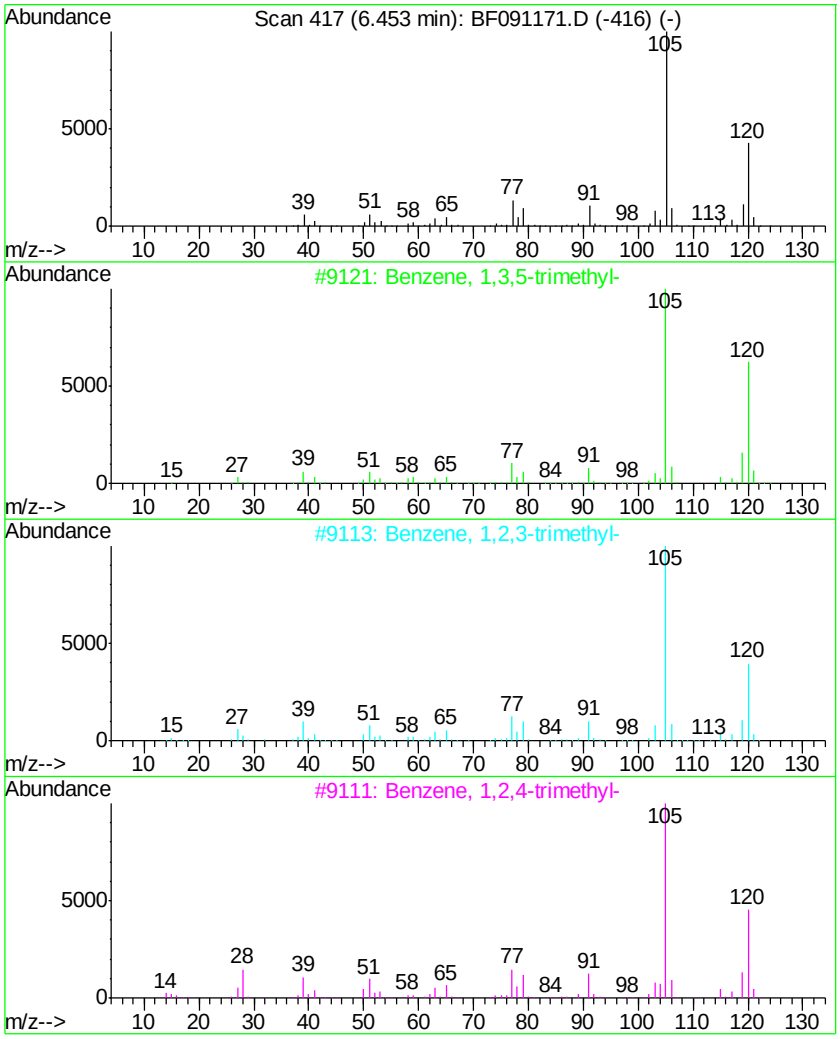
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

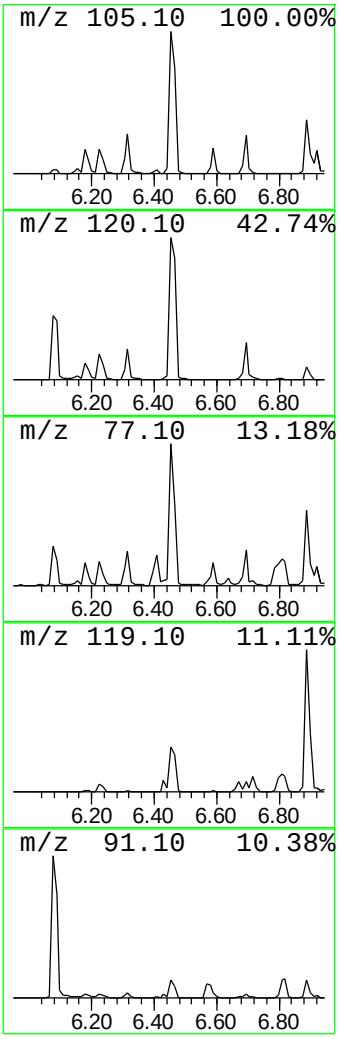
****

Peak Number 10 Benzene, 1,3,5-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	63.59 ng	2814910	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

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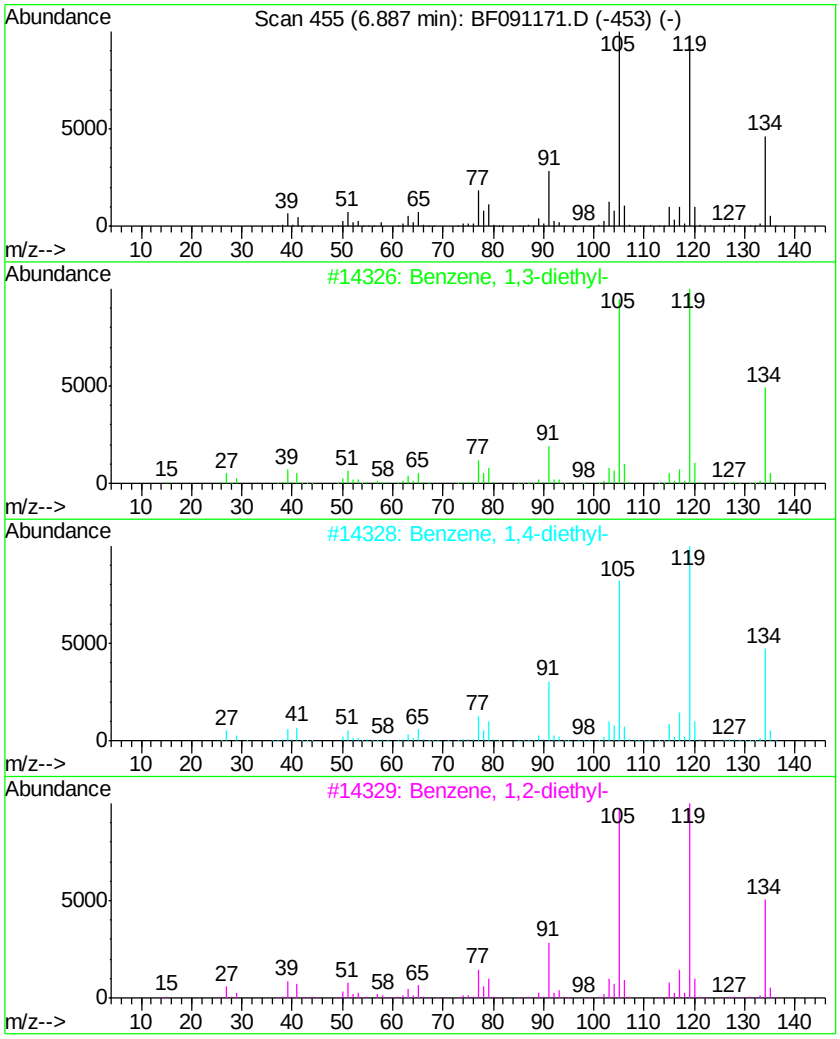
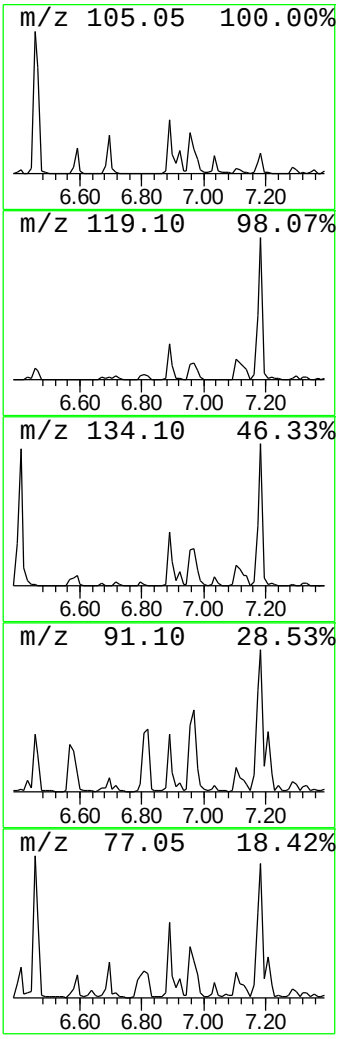
Peak Number 13 Benzene, 1,3-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	43.73 ng	1935870	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

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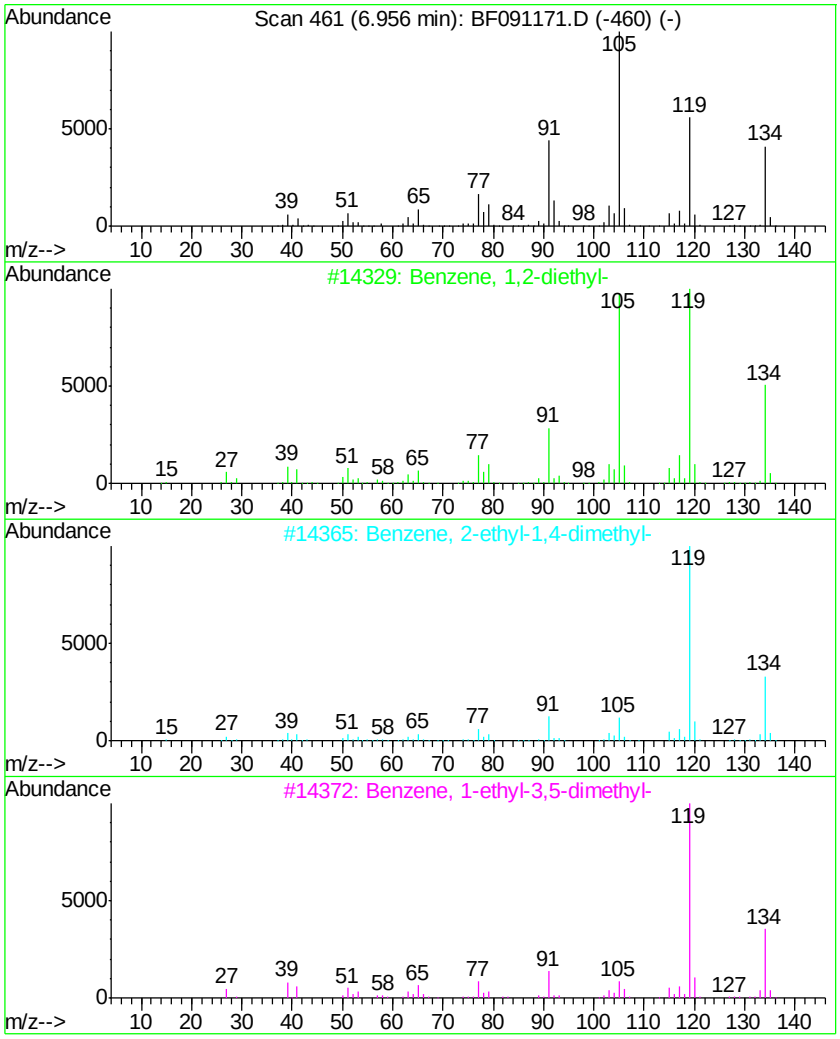
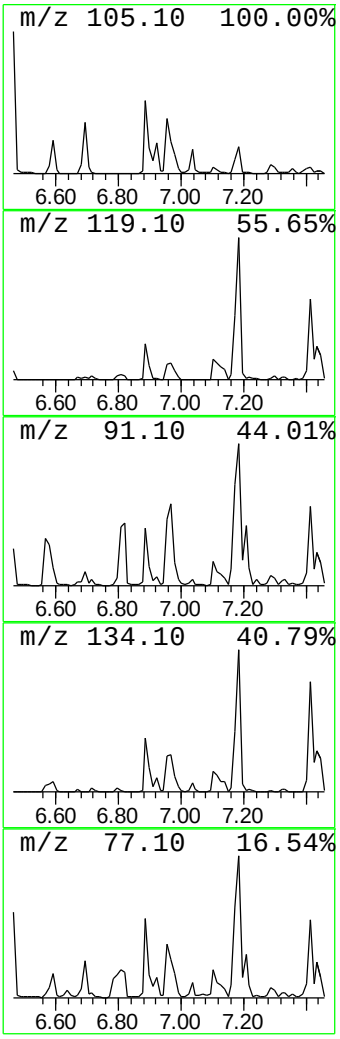
Peak Number 14 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	39.49 ng	1748060	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
4	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	83
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81





Library Search Compound Report

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Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

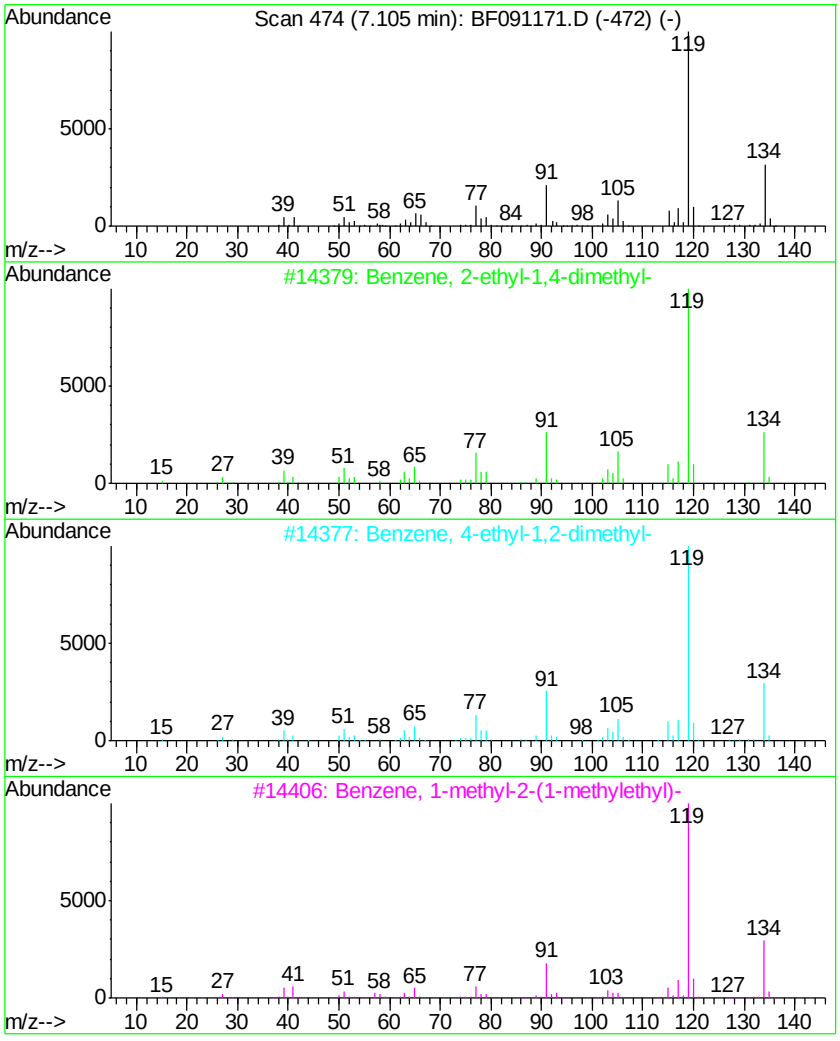
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

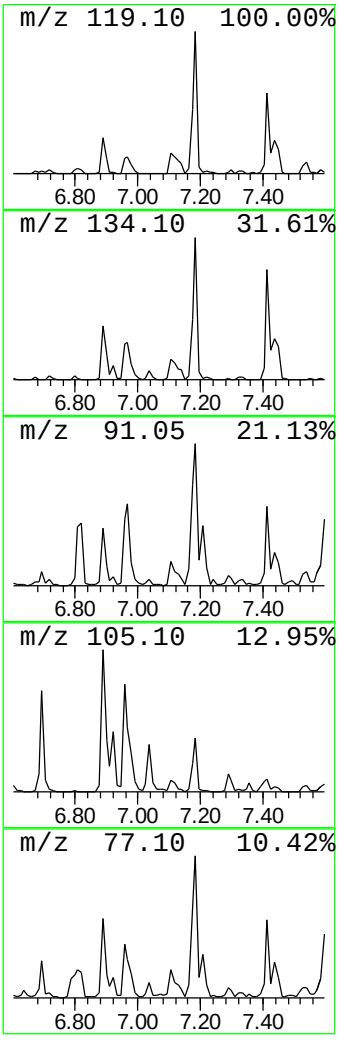
****

Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	21.87 ng	968054	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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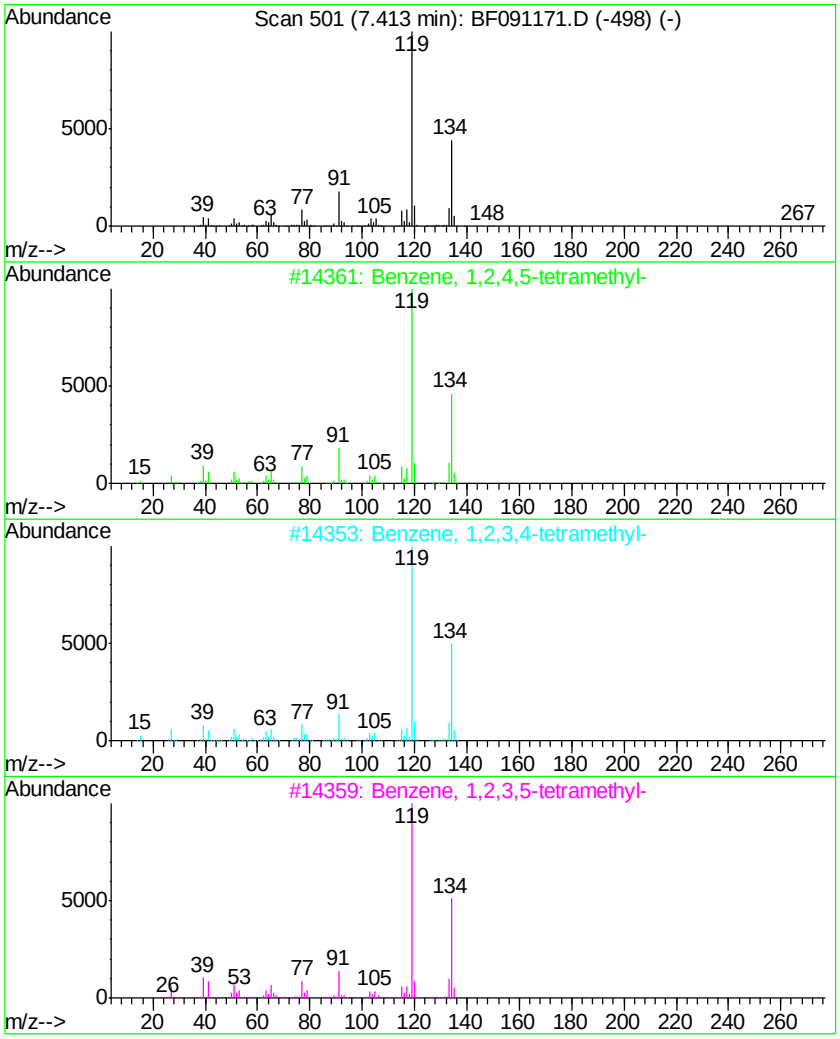
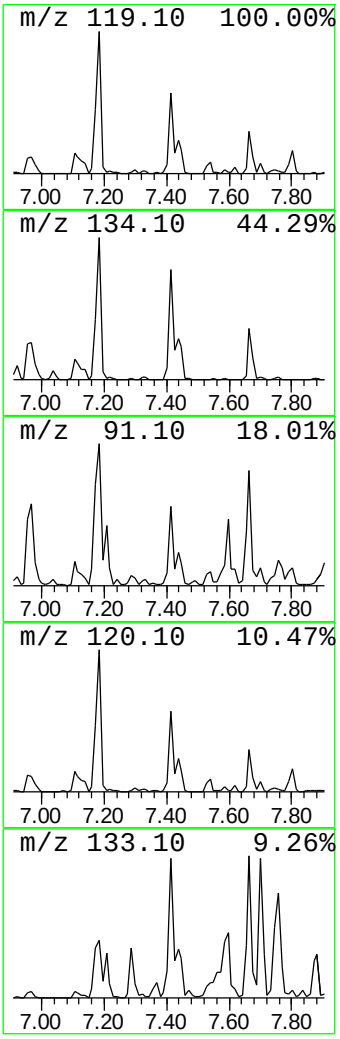
Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	5.95 ng	1987430	Naphthalene-d8	7.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





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Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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

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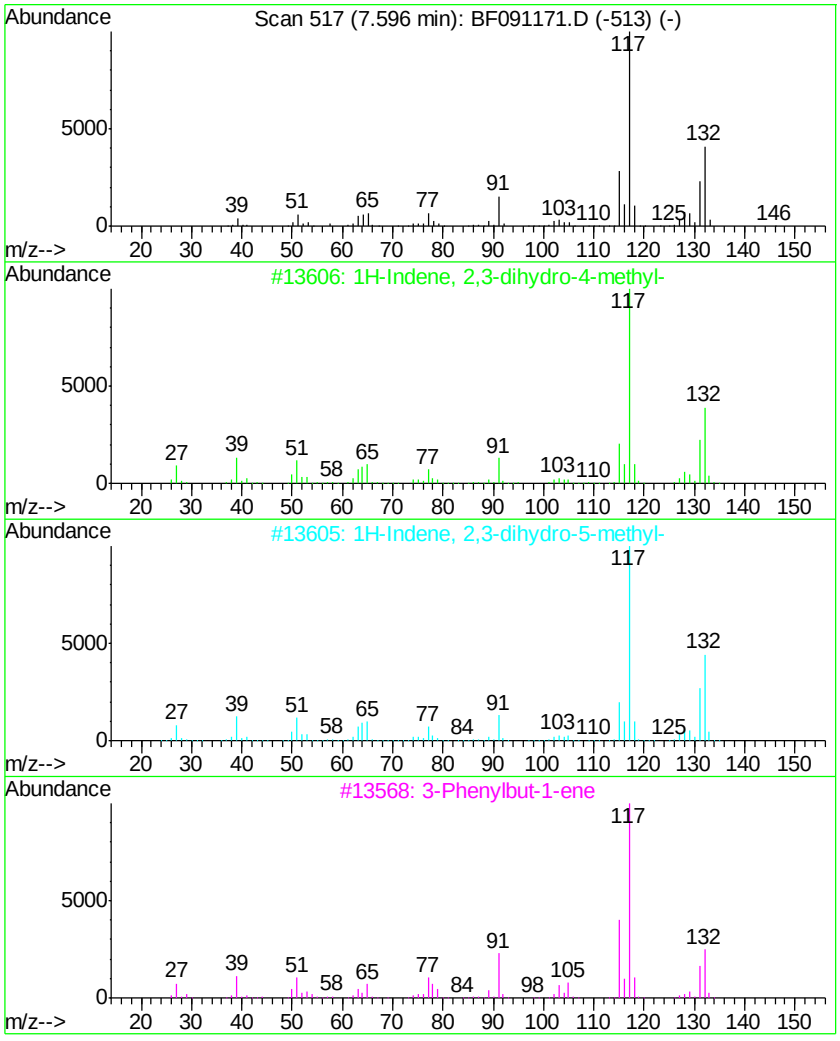
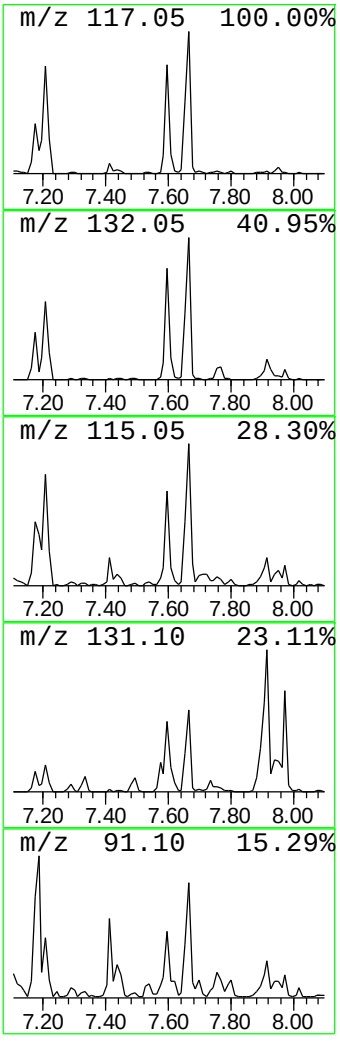
Peak Number 17 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	8.11 ng	2708850	Naphthalene-d8	7.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Library Search Compound Report

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Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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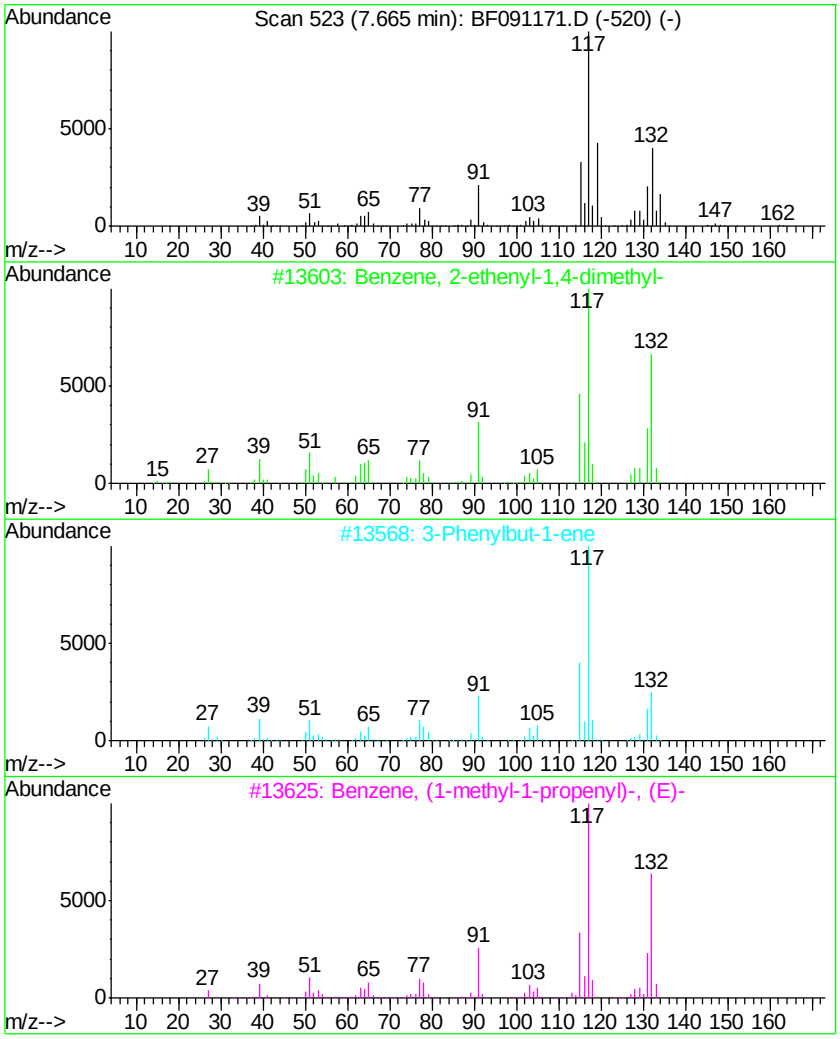
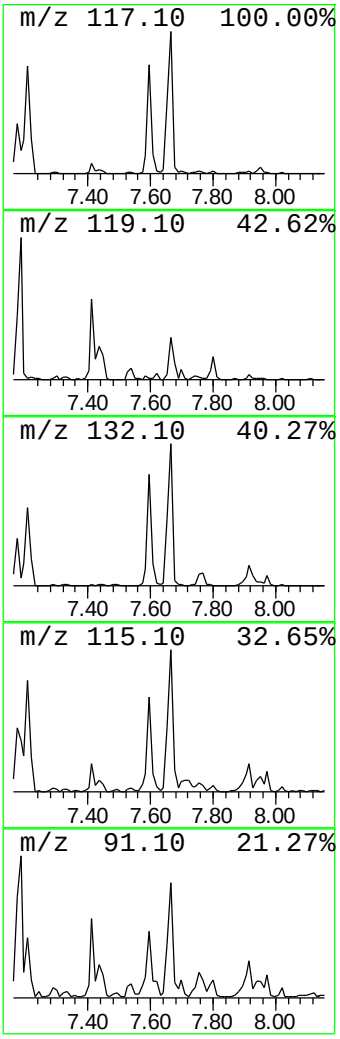
Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	12.94 ng	4319530	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	95
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76





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Instrument : BNA_F
ClientSampleId : MW-2-111016

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

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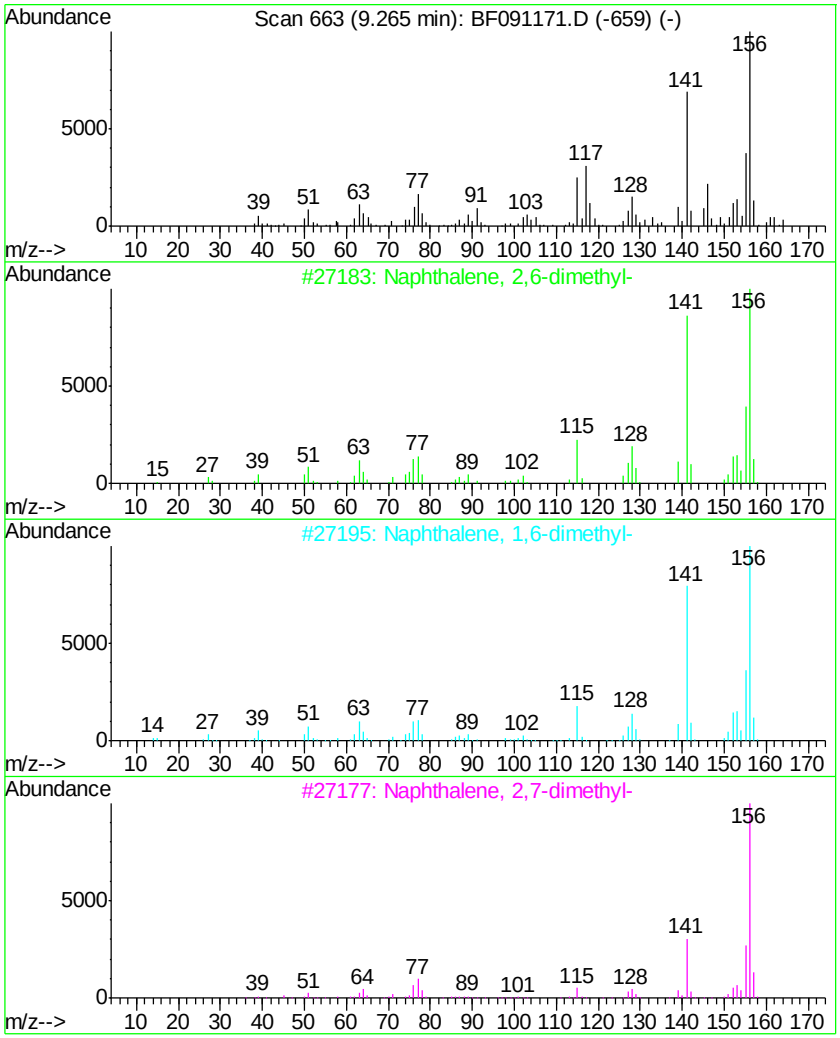
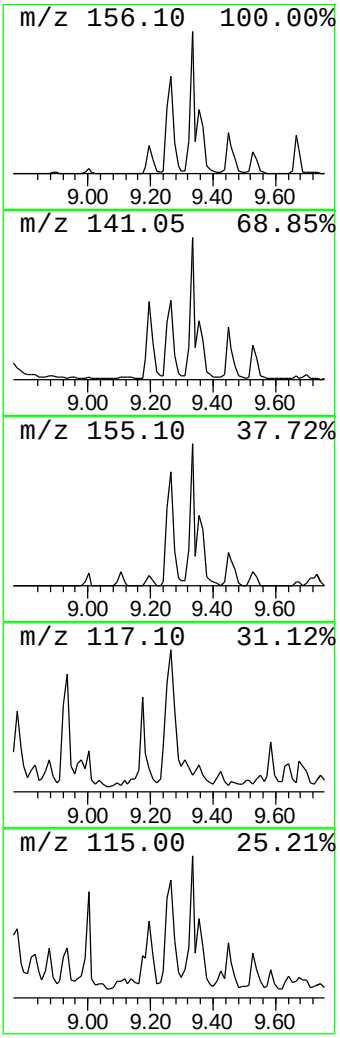
Peak Number 19 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	6.70 ng	476518	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111516\
Data File : BF091171.D
Acq On : 15 Nov 2016 11:13
Operator : UM/SJ
Sample : H5643-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2-111016

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
Cyclopentene, 1,2...	4.22	11.7	ng	517421	1	6.64	885401	20.0
2-Pentanone, 4-hy...	4.76	11.6	ng	515269	1	6.64	885401	20.0
Ethylbenzene	5.05	63.3	ng	2801260	1	6.64	885401	20.0
Benzene, (1-methy...	5.78	22.4	ng	991157	1	6.64	885401	20.0
Benzene, propyl-	6.08	41.1	ng	1819980	1	6.64	885401	20.0
Benzene, 1-ethyl-...	6.18	8.0	ng	351957	1	6.64	885401	20.0
Benzene, 1,2,3-tr...	6.22	10.2	ng	451101	1	6.64	885401	20.0
unknown6.41	6.41	93.9	ng	4156980	1	6.64	885401	20.0
Benzene, 1,3,5-tr...	6.45	63.6	ng	2814910	1	6.64	885401	20.0
Benzene, 1,3-diet...	6.89	43.7	ng	1935870	1	6.64	885401	20.0
Benzene, 1,2-diet...	6.96	39.5	ng	1748060	1	6.64	885401	20.0
Benzene, 2-ethyl-...	7.10	21.9	ng	968054	1	6.64	885401	20.0
Benzene, 1,2,4,5-...	7.41	6.0	ng	1987430	2	7.93	6676780	20.0
1H-Indene, 2,3-di...	7.60	8.1	ng	2708850	2	7.93	6676780	20.0
Benzene, 2-etheny...	7.66	12.9	ng	4319530	2	7.93	6676780	20.0
Naphthalene, 2,6-...	9.26	6.7	ng	476518	3	9.66	1422800	20.0