LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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	4.730	270	275	287	rBV3	33935	144986	3.24%	0.233%
2	5.370	329	331	340	rBV	609321	1551975	34.70%	2.494%
3	5.484	340	341	346	rVV2	63034	130494	2.92%	0.210%
4	5.564	346	348	357	rVB3	82062	185397	4.14%	0.298%
5	5.701	357	360	362	rBV2	22655	57524	1.29%	0.092%
6	5.759	362	365	371	rVB3	37922	121300	2.71%	0.195%
7	5.999	385	386	391	rVB	33177	62922	1.41%	0.101%
8	6.147	396	399	406	rVB	150137	247876	5.54%	0.398%
9	6.261	406	409	411	rBV2	32796	67279	1.50%	0.108%
10	6.444	422	425	429	rVB2	28097	60191	1.35%	0.097%
11	6.570	433	436	438	rBV	31510	59962	1.34%	0.096%
12	6.616	438	440	444	rVV	122274	187357	4.19%	0.301%
13	6.867	459	462	463	rBV	47625	87745	1.96%	0.141%
14	6.902	463	465	472	rVB	125023	243500	5.44%	0.391%
15	7.039	476	477	482	rVV	416945	884892	19.78%	1.422%
16	7.130	482	485	492	rVV	1559267	3182108	71.14%	5.113%
17	7.279	496	498	501	rVB2	29349	48599	1.09%	0.078%
18	7.393	504	508	513	rBV4	139166	448071	10.02%	0.720%
19	7.462	513	514	518	rVV	461236	841638	18.82%	1.352%
20	7.519	518	519	524	rVB2	109718	179642	4.02%	0.289%
21	7.702	532	535	537	rBV	2052545	2913938	65.14%	4.682%
22	7.736	537	538	541	rVV	615459	597530	13.36%	0.960%
23	7.804	542	544	546	rVV	59998	77803	1.74%	0.125%
24	7.884	548	551	559	rVB	288936	518844	11.60%	0.834%
25	8.022	559	563	568	rBV3	245271	748142	16.73%	1.202%
26	8.170	574	576	580	rVB	145181	226293	5.06%	0.364%
27	8.250	580	583	585	rBV2	35648	83597	1.87%	0.134%
28	8.307	585	588	589	rBV	290526	440135	9.84%	0.707%
29	8.342	589	591	592	rVV	381030	657419	14.70%	1.056%
30	8.387	592	595	599	rVV2	1764336	2810411	62.83%	4.516%
31	8.490	602	604	605	rBV2	47178	80366	1.80%	0.129%
32	8.559	608	610	612	rVB	98922	126212	2.82%	0.203%
33	8.673	618	620	621	rBV2	66349	102032	2.28%	0.164%
34	8.719	621	624	627	rVV	550740	726684	16.25%	1.168%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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	8.822	630	633	634	rBV2	97088	169431	3.79%	0.272%
36	8.856	634	636	640	rVB4	78146	200455	4.48%	0.322%
37	8.913	640	641	643	rVB	54004	68518	1.53%	0.110%
38	8.993	643	648	653	rVB3	329765	705205	15.77%	1.133%
39	9.096	653	657	661	rBV3	594863	1670931	37.35%	2.685%
40	9.153	661	662	664	rVB	166852	128148	2.86%	0.206%
41	9.187	664	665	668	rVB2	56432	59978	1.34%	0.096%
42	9.267	668	672	677	rBV5	192637	564404	12.62%	0.907%
43	9.347	677	679	682	rBV3	149315	312326	6.98%	0.502%
44	9.496	690	692	695	rBV2	783236	1226657	27.42%	1.971%
45	9.599	698	701	703	rVV2	190312	299684	6.70%	0.482%
46	9.702	708	710	711	rBV2	150809	238840	5.34%	0.384%
47	9.828	719	721	724	rVB2	250896	378440	8.46%	0.608%
48	9.908	724	728	732	rBV4	312885	807593	18.05%	1.298%
49	9.976	732	734	736	rBV2	199161	291617	6.52%	0.469%
50	10.045	738	740	742	rVV2	107823	182458	4.08%	0.293%
51	10.113	742	746	747	rVV2	283287	533097	11.92%	0.857%
52	10.148	747	749	752	rVB2	213655	322554	7.21%	0.518%
53	10.216	752	755	758	rBV4	141174	362045	8.09%	0.582%
54	10.285	758	761	763	rBV	500619	909404	20.33%	1.461%
55	10.353	763	767	770	rVB	928599	1826212	40.83%	2.934%
56	10.410	770	772	776	rBV2	101614	147363	3.29%	0.237%
57	10.502	778	780	782	rVB	312475	430356	9.62%	0.691%
58	10.582	782	787	791	rBV4	459494	1070483	23.93%	1.720%
59	10.650	791	793	797	rVB3	381172	712511	15.93%	1.145%
60	10.765	799	803	805	rBV4	221055	528315	11.81%	0.849%
61	10.810	805	807	810	rBV	565562	839623	18.77%	1.349%
62	10.856	810	811	813	rBV2	256868	355685	7.95%	0.571%
63	11.085	829	831	832	rBV2	106508	153311	3.43%	0.246%
64	11.119	832	834	836	rVB2	220260	347919	7.78%	0.559%
65	11.188	836	840	845	rBV5	361386	1542224	34.48%	2.478%
66	11.279	845	848	853	rVB	2761707	4473179	100.00%	7.187%
67	11.371	854	856	858	rBV3	110577	163330	3.65%	0.262%
68	11.508	865	868	869	rBV2	183048	259175	5.79%	0.416%
69	11.542	869	871	876	rVV4	265890	578796	12.94%	0.930%
70	11.679	881	883	886	rBV4	280632	607773	13.59%	0.977%
71	11.793	890	893	895	rBV3	444950	855470	19.12%	1.375%

LSC Area Percent Report

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Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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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	11.851	895	898	902	rVB4	317179	772271	17.26%	1.241%
73	11.908	902	903	905	rBV2	119148	182088	4.07%	0.293%
74	12.011	907	912	913	rBV3	487972	1275055	28.50%	2.049%
75	12.205	927	929	934	rBV5	119746	288939	6.46%	0.464%
76	12.331	936	940	943	rBV2	879910	1689160	37.76%	2.714%
77	12.388	943	945	947	rVB2	122882	168509	3.77%	0.271%
78	12.468	947	952	954	rBV3	256787	803499	17.96%	1.291%
79	12.525	954	957	960	rBV4	109676	285488	6.38%	0.459%
80	12.696	970	972	974	rVB2	253206	354637	7.93%	0.570%
81	12.754	974	977	980	rBV2	313635	682993	15.27%	1.097%
82	12.845	982	985	986	rVV	156339	367964	8.23%	0.591%
83	12.925	990	992	994	rBV2	289117	577923	12.92%	0.929%
84	12.982	994	997	999	rVB2	246907	420266	9.40%	0.675%
85	13.222	1015	1018	1022	rBV4	197504	489989	10.95%	0.787%
86	13.474	1037	1040	1043	rBV3	231053	596142	13.33%	0.958%
87	13.531	1043	1045	1047	rVV2	327311	522718	11.69%	0.840%
88	13.634	1051	1054	1057	rBV2	1491256	2601707	58.16%	4.180%
89	13.702	1057	1060	1061	rBV2	136130	201880	4.51%	0.324%
90	13.736	1061	1063	1065	rVB	137858	184138	4.12%	0.296%
91	14.114	1094	1096	1099	rBV2	281102	520532	11.64%	0.836%
92	14.537	1131	1133	1136	rVB	338522	519105	11.60%	0.834%
93	14.742	1148	1151	1154	rBV	577503	892700	19.96%	1.434%
94	16.834	1332	1334	1338	rVB2	89502	138575	3.10%	0.223%
95	16.937	1341	1343	1345	rVB	104143	136626	3.05%	0.220%
96	17.085	1353	1356	1359	rBV	2173665	2781622	62.18%	4.469%
97	17.863	1421	1424	1426	rVB	57221	84167	1.88%	0.135%
98	18.343	1464	1466	1472	rVB	65600	114850	2.57%	0.185%
99	18.434	1472	1474	1485	rVB	416531	761195	17.02%	1.223%
100	20.114	1619	1621	1626	rBV	381329	596047	13.32%	0.958%

Sum of corrected areas: 62237159

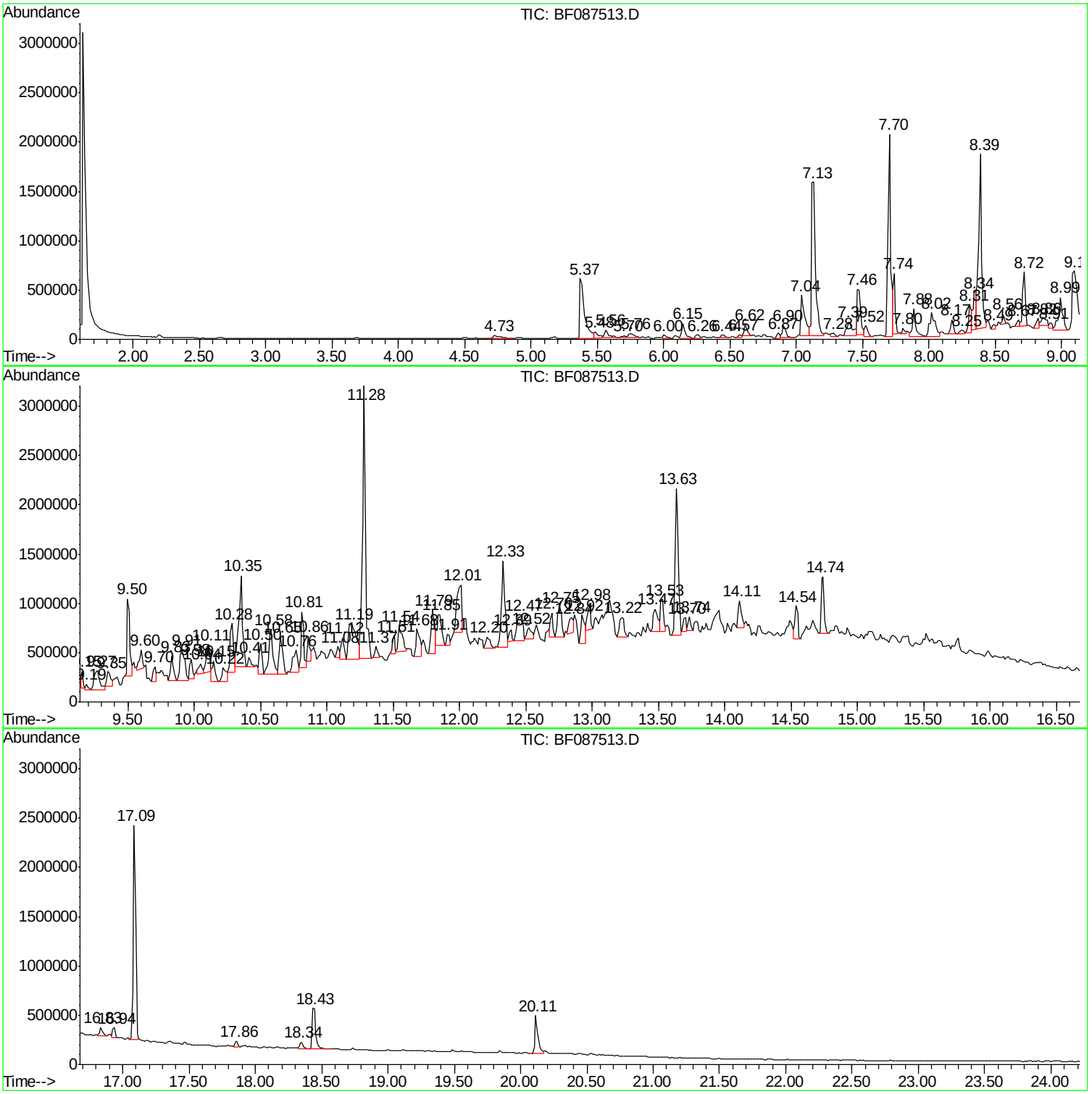
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
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Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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

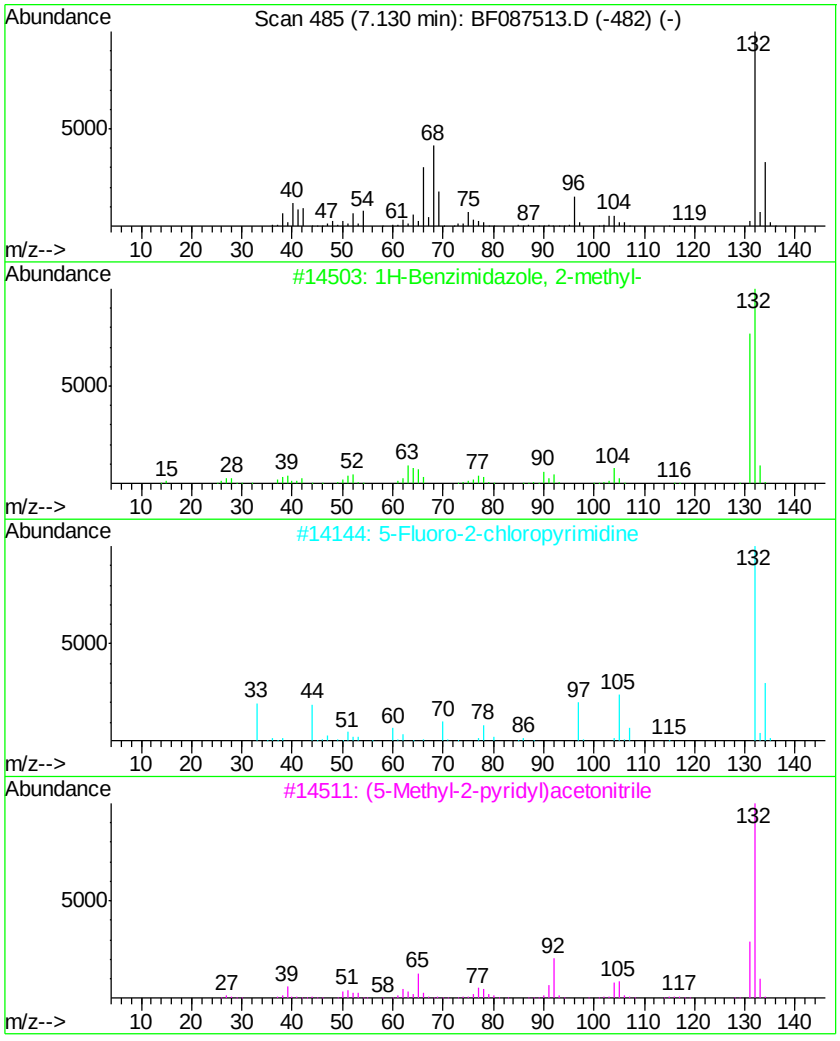
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

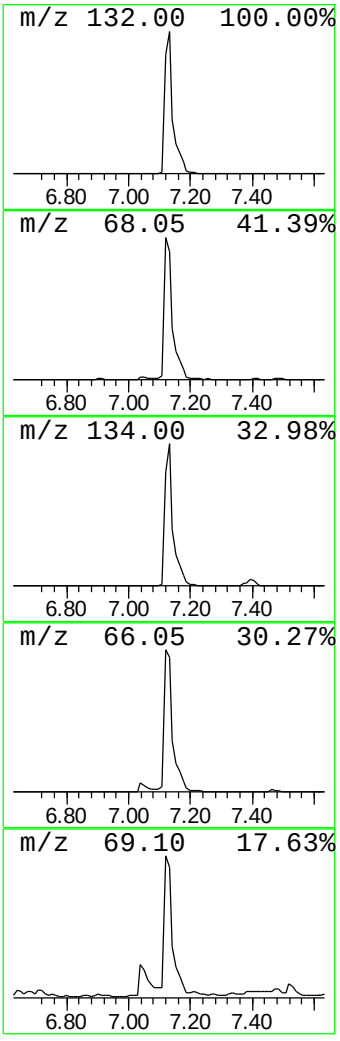
****

Peak Number 1 unknown7.13 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	75.62 ng	3182110	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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

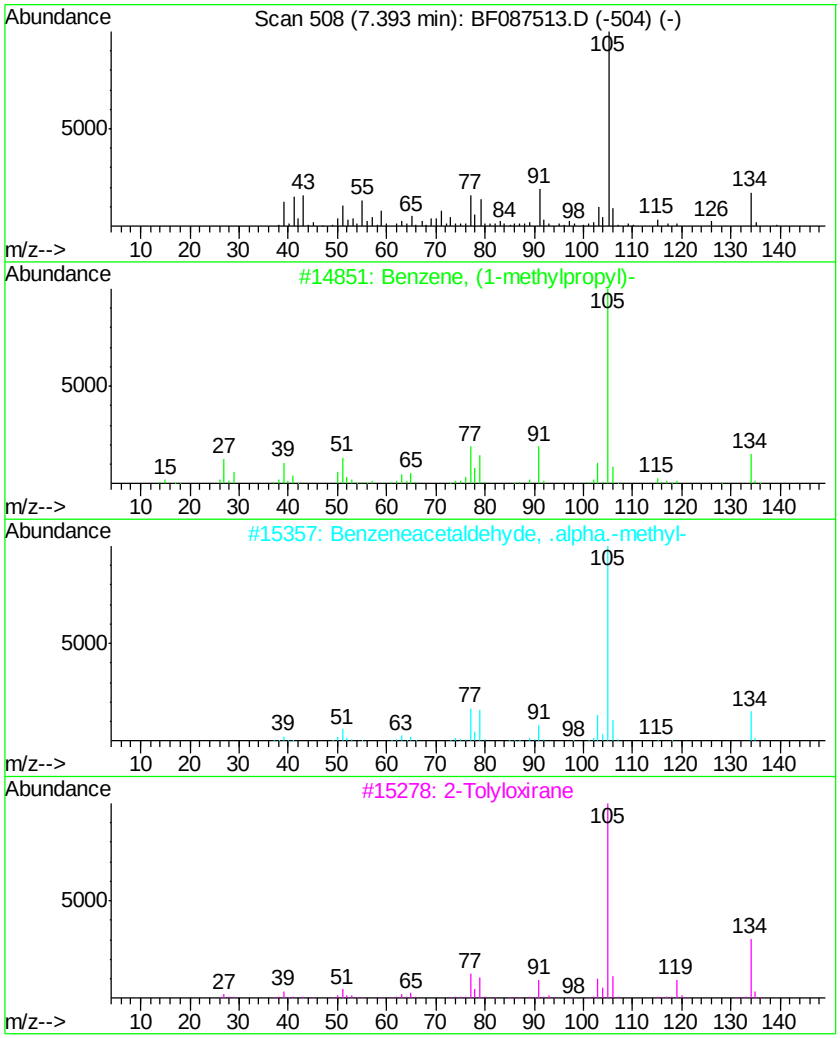
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

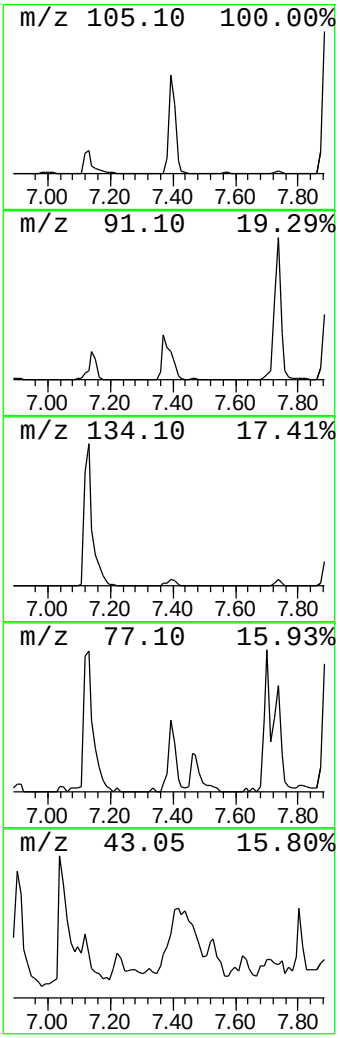
****

Peak Number 2 Benzene, (1-methylpropyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	10.65 ng	448071	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	93
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
3	2-Tolyloxirane	134	C9H10O	002783-26-8	90
4	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	90
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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

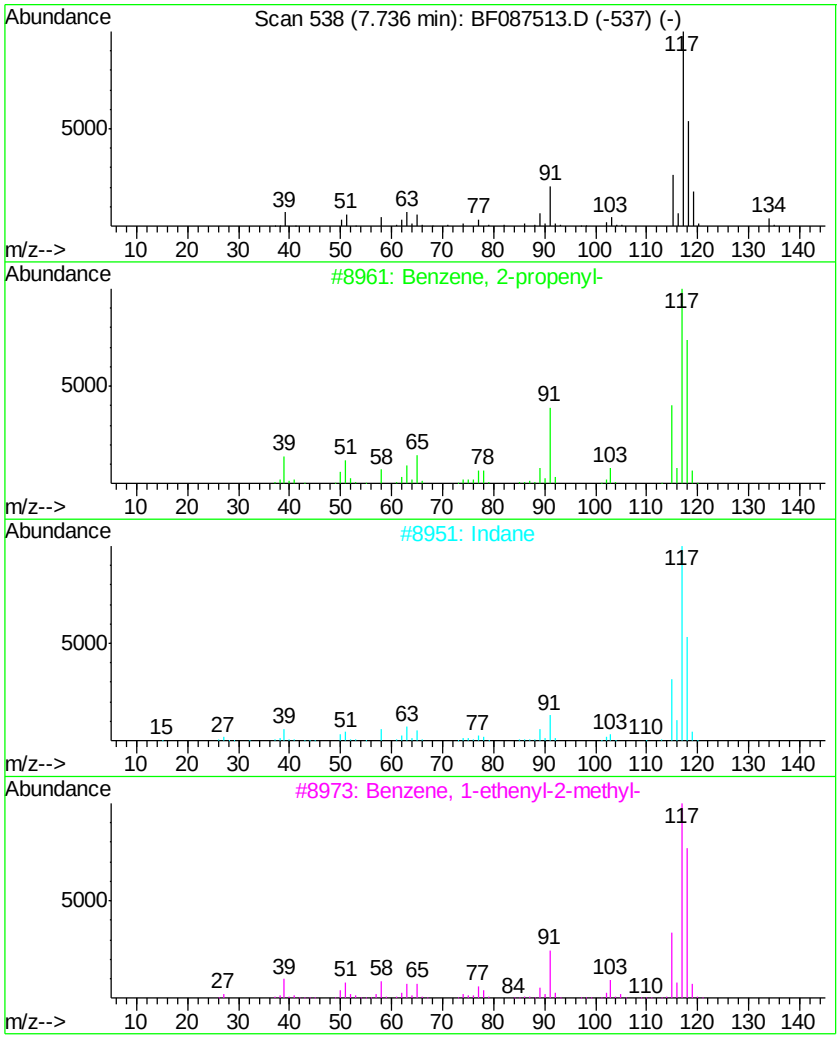
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

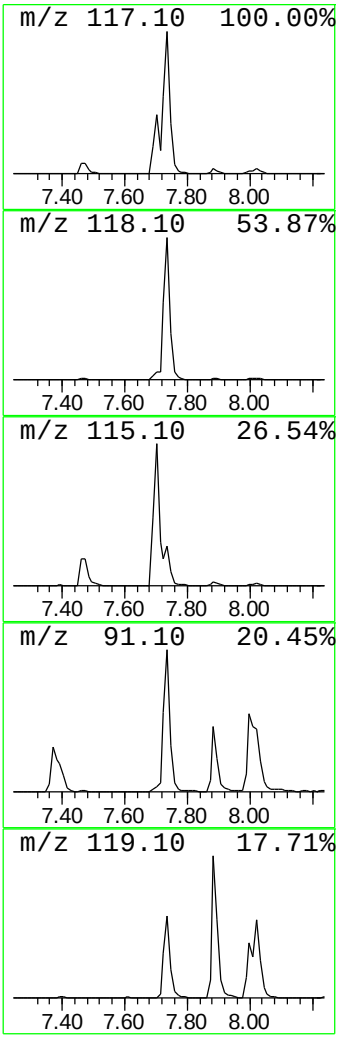
****

Peak Number 4 Benzene, 2-propenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	14.20 ng	597530	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
2	Indane	118	C9H10	000496-11-7	68
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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

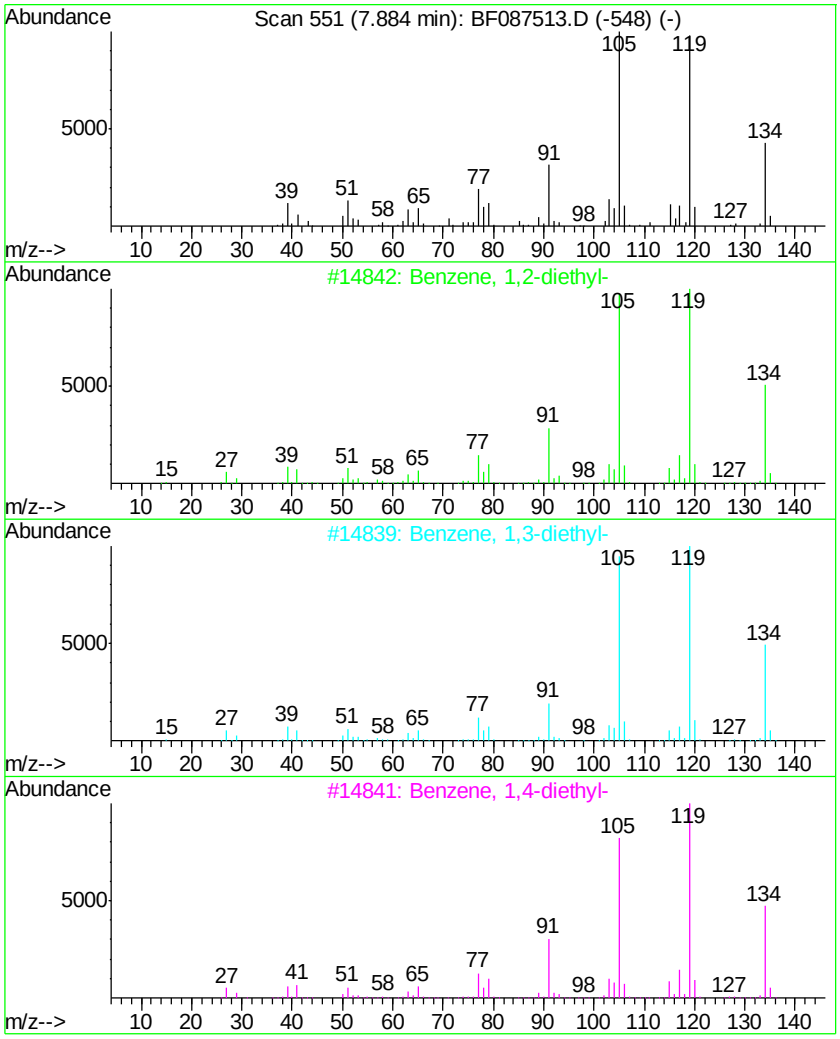
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

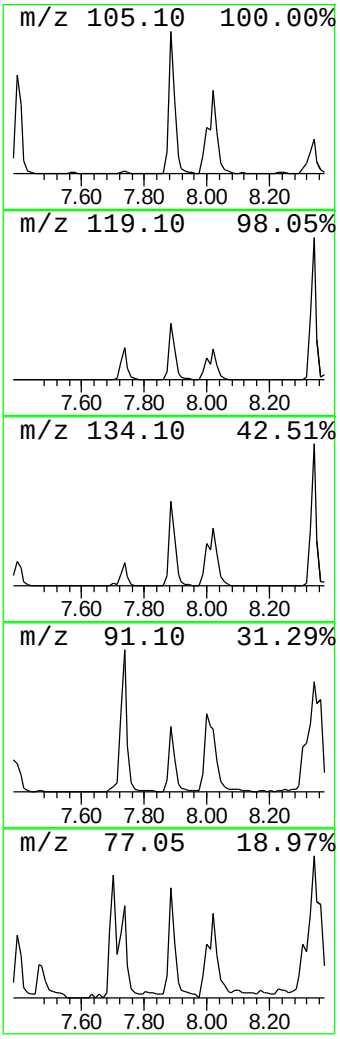
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	12.33 ng	518844	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	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-33

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

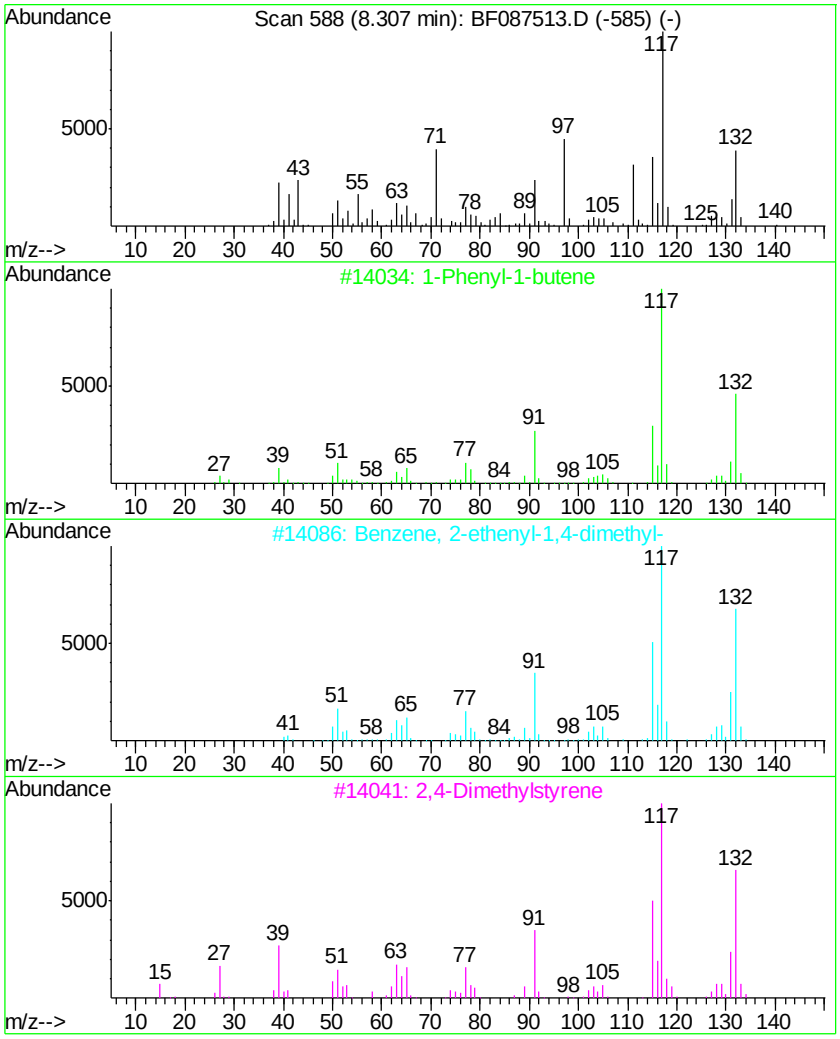
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

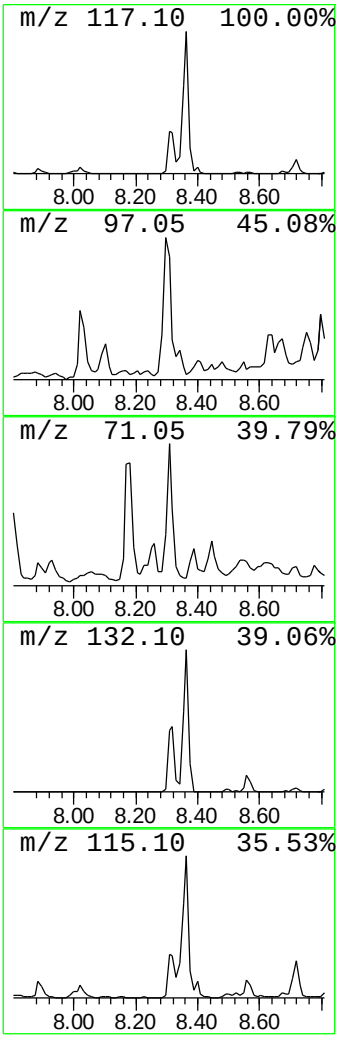
****

Peak Number 7 1-Phenyl-1-butene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	10.46 ng	440135	1,4-Dichlorobenzene-d4	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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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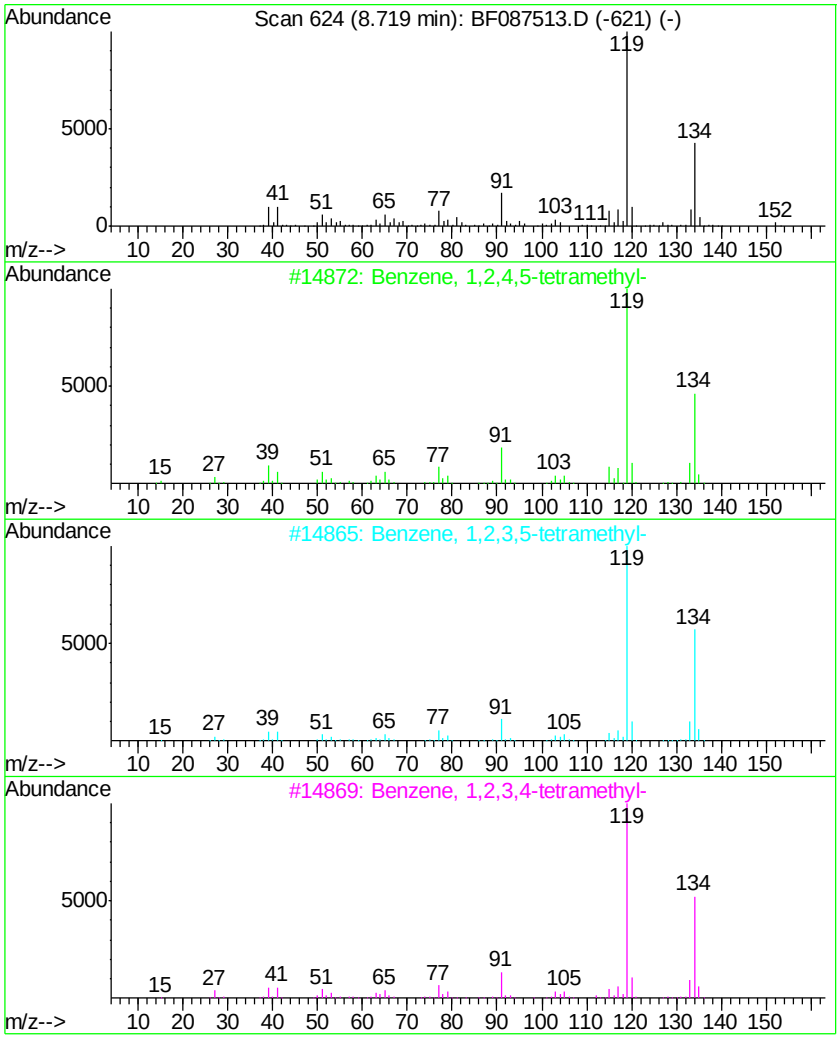
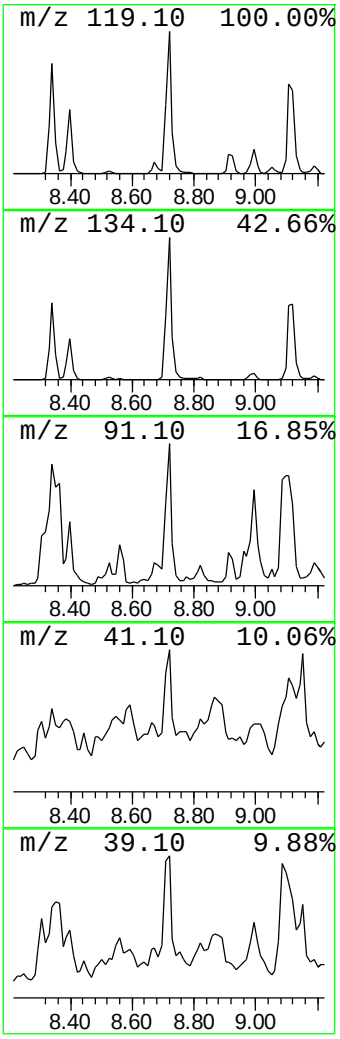
Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	11.85 ng	726684	Naphthalene-d8	9.50

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





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Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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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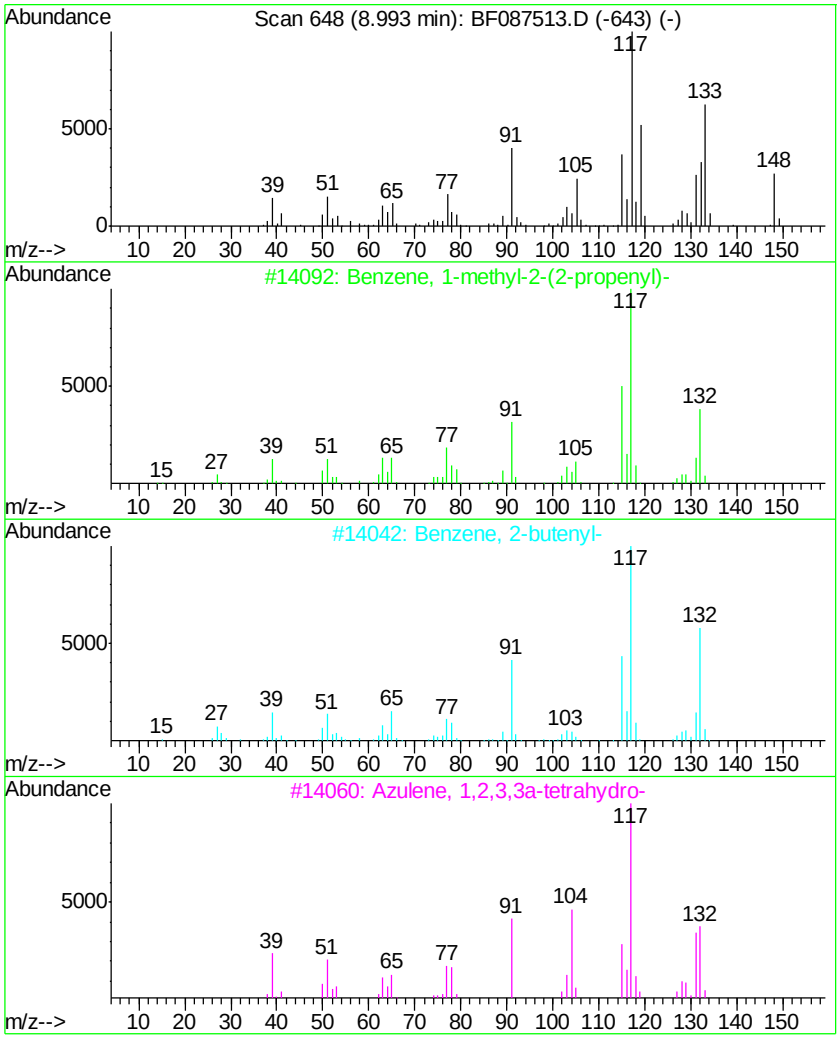
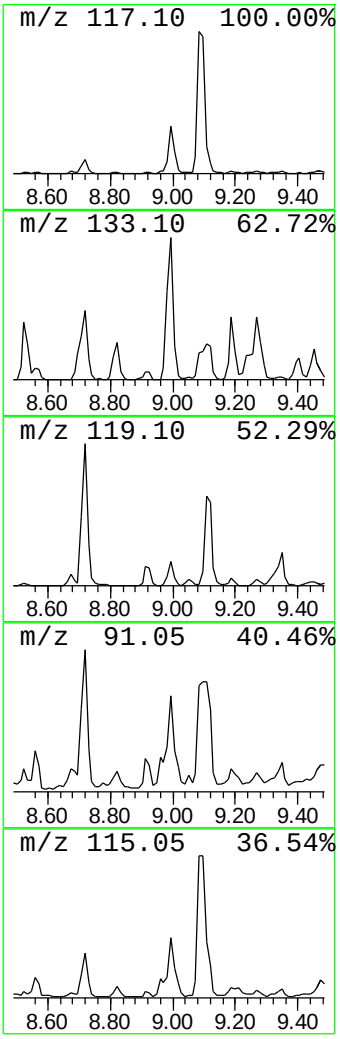
Peak Number 9 Benzene, 1-methyl-2-(2-prop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	11.50 ng	705205	Naphthalene-d8	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	89
3	Azulene, 1,2,3,3a-tetrahydro-	132	C10H12	033877-87-1	70
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	60





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Instrument : BNA_F
ClientSampleId : MW-33

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TIC Library : C:\Database\NIST11.L
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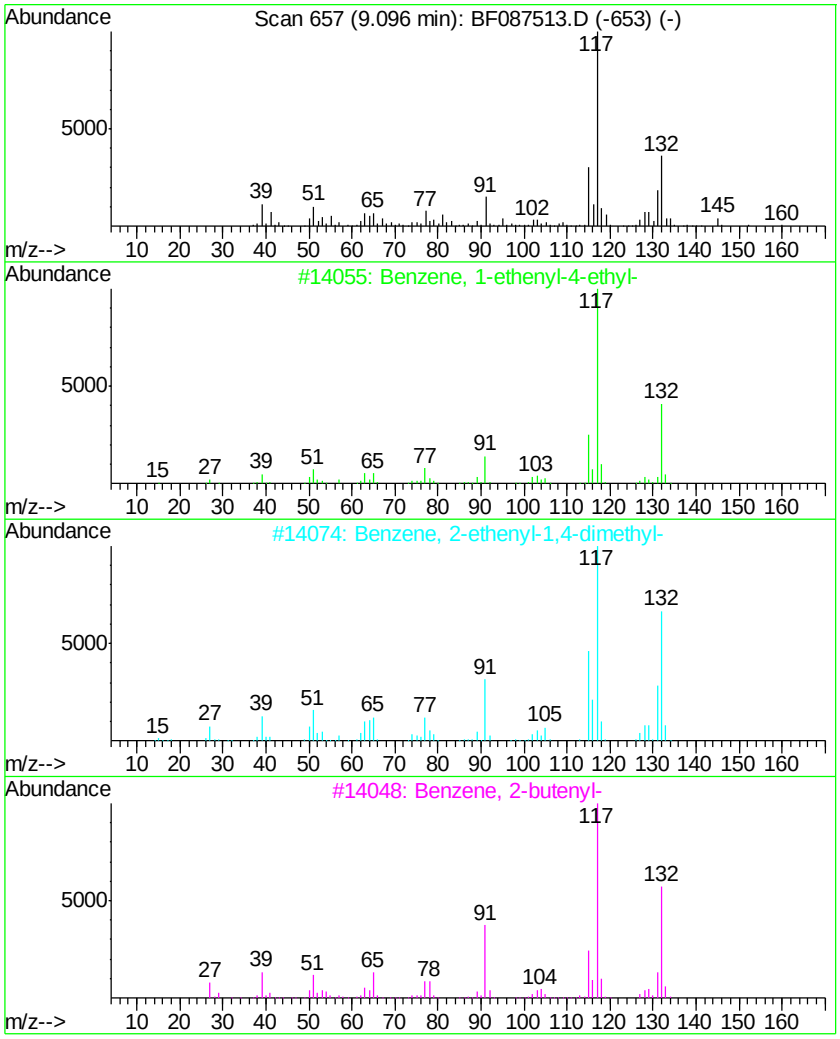
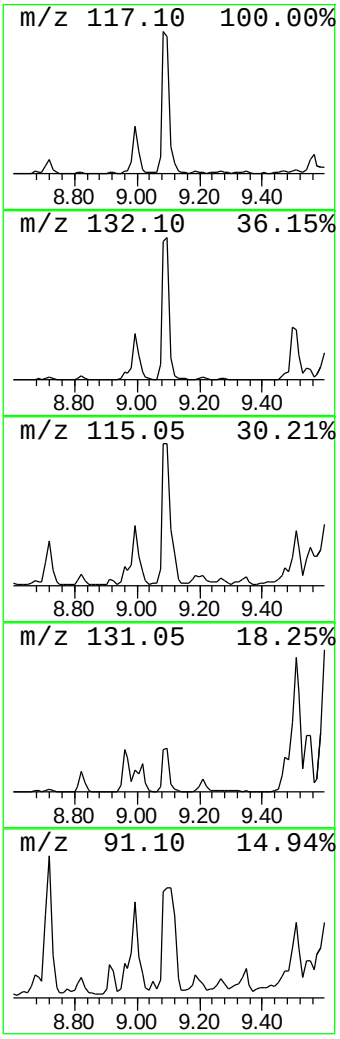
Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	27.24 ng	1670930	Naphthalene-d8	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Library Search Compound Report

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ClientSampleId : MW-33

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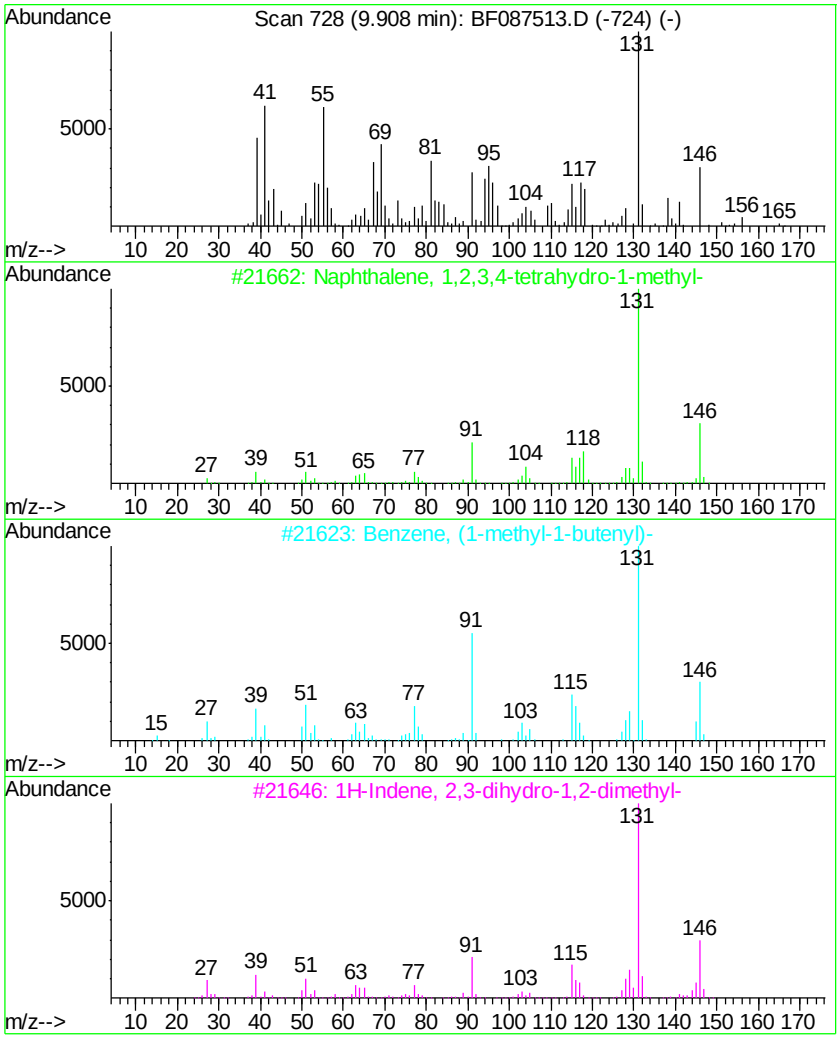
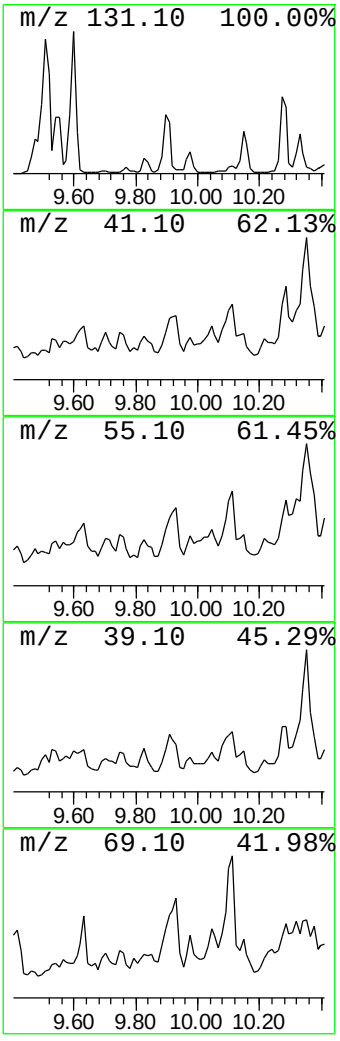
Peak Number 11 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	13.17 ng	807593	Naphthalene-d8	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	55
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	46
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	46
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	45





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Misc :
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Instrument : BNA_F
ClientSampleId : MW-33

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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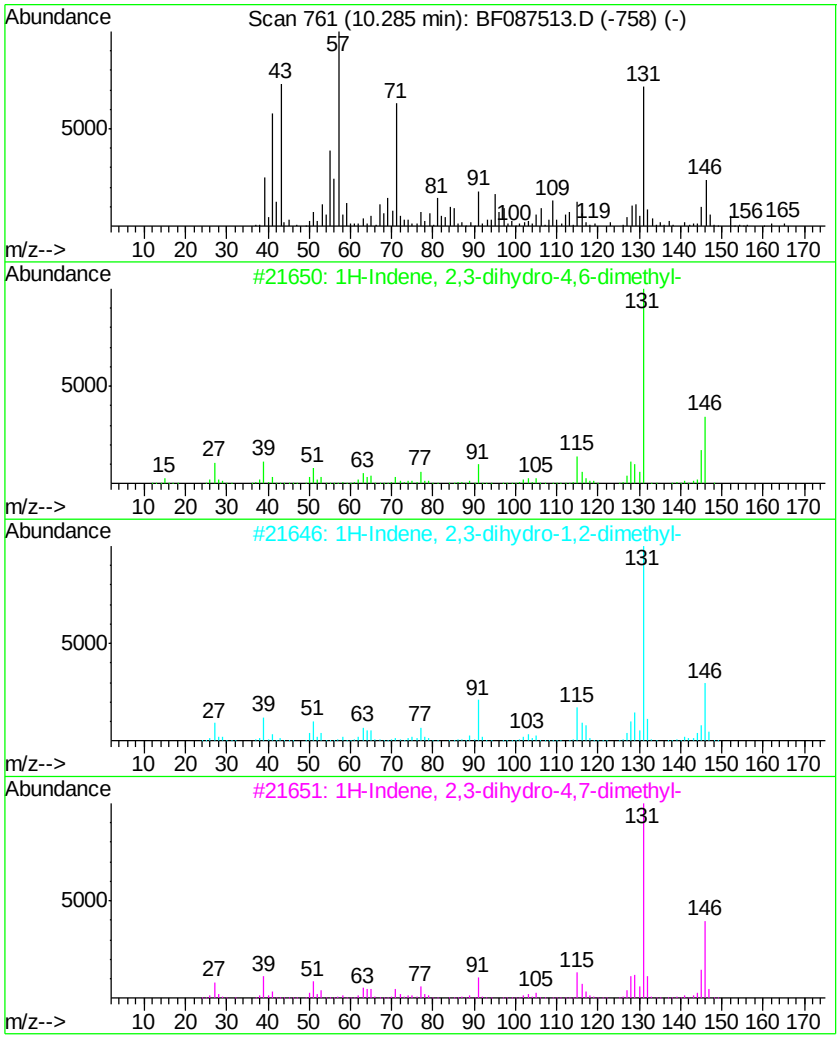
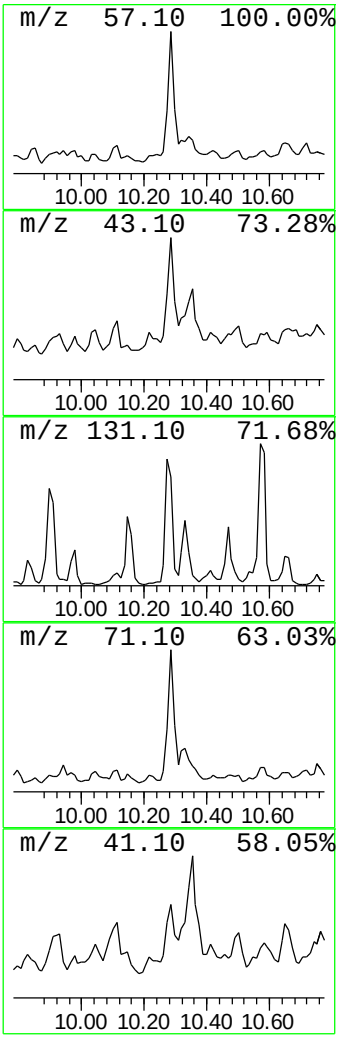
Peak Number 12 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	14.83 ng	909404	Naphthalene-d8	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	86
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	50
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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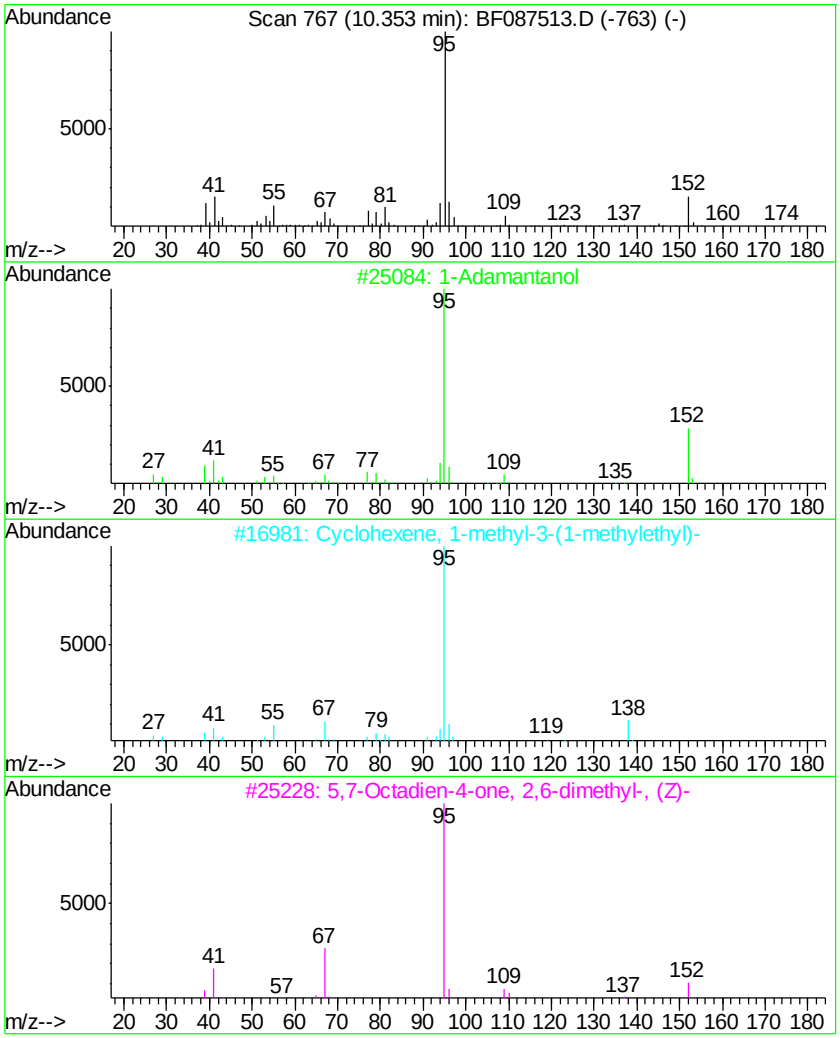
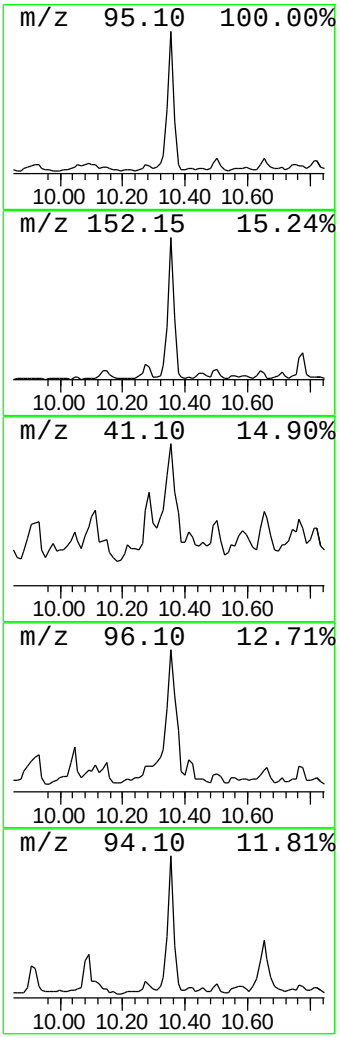
Peak Number 13 1-Adamantanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	29.78 ng	1826210	Naphthalene-d8	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Adamantanol	152	C10H16O	000768-95-6	87
2	Cyclohexene, 1-methyl-3-(1-methy...	138	C10H18	013828-31-4	64
3	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	003588-18-9	53
4	Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	50
5	2-Cyclopentene-1-butanal, .gamma...	194	C13H22O	060714-25-2	50





Library Search Compound Report

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Sample : H3222-02
Misc :
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ClientSampleId : MW-33

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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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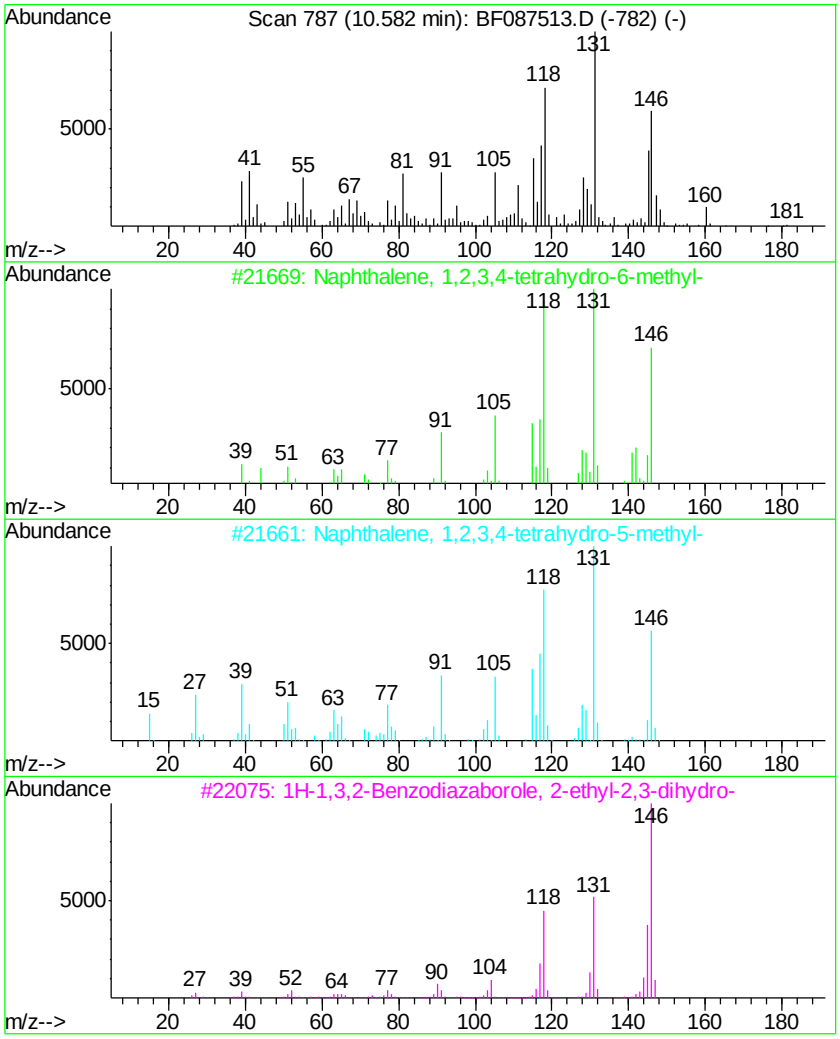
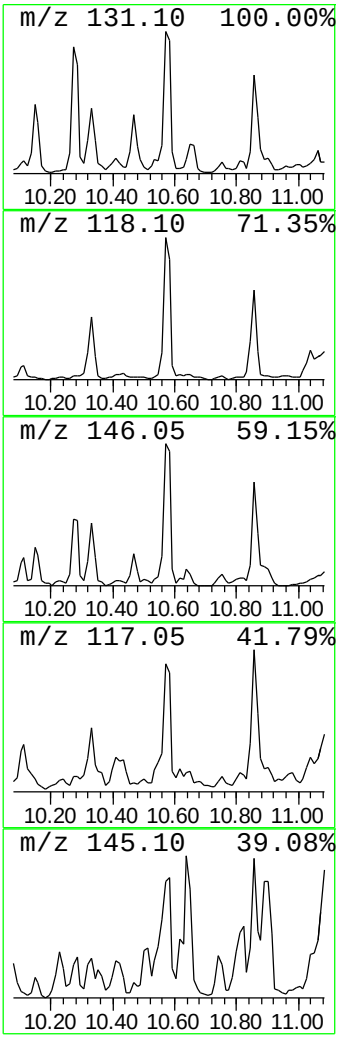
Peak Number 14 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	17.45 ng	1070480	Naphthalene-d8	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	83
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	52
4	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	46
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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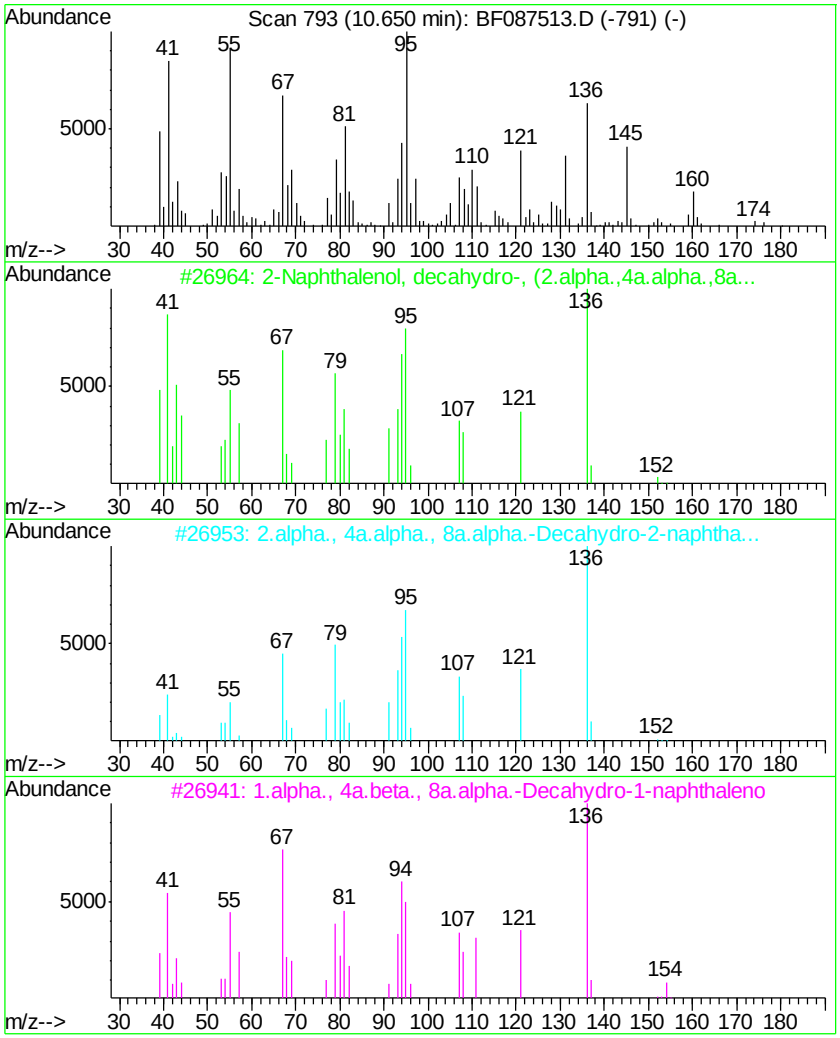
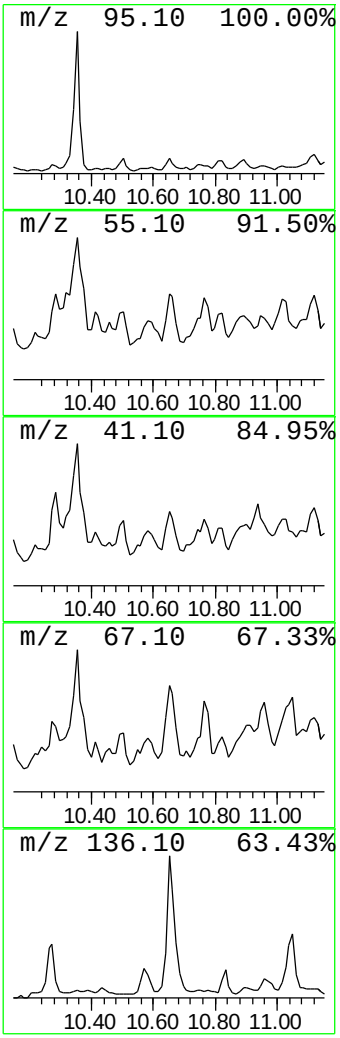
Peak Number 15 unknown10.65 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	11.62 ng	712511	Naphthalene-d8	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol, decahydro-, (2.a...	154	C10H18O	002529-06-8	43
2	2.alpha., 4a.alpha., 8a.alpha.-D...	154	C10H18O	001424-36-8	43
3	1.alpha., 4a.beta., 8a.alpha.-De...	154	C10H18O	036159-47-4	43
4	Tricyclo[5.2.1.0(4,8)]decane	136	C10H16	042836-61-3	42
5	Tricyclo[4.4.0.0(2,8)]decane	136	C10H16	049700-59-6	38





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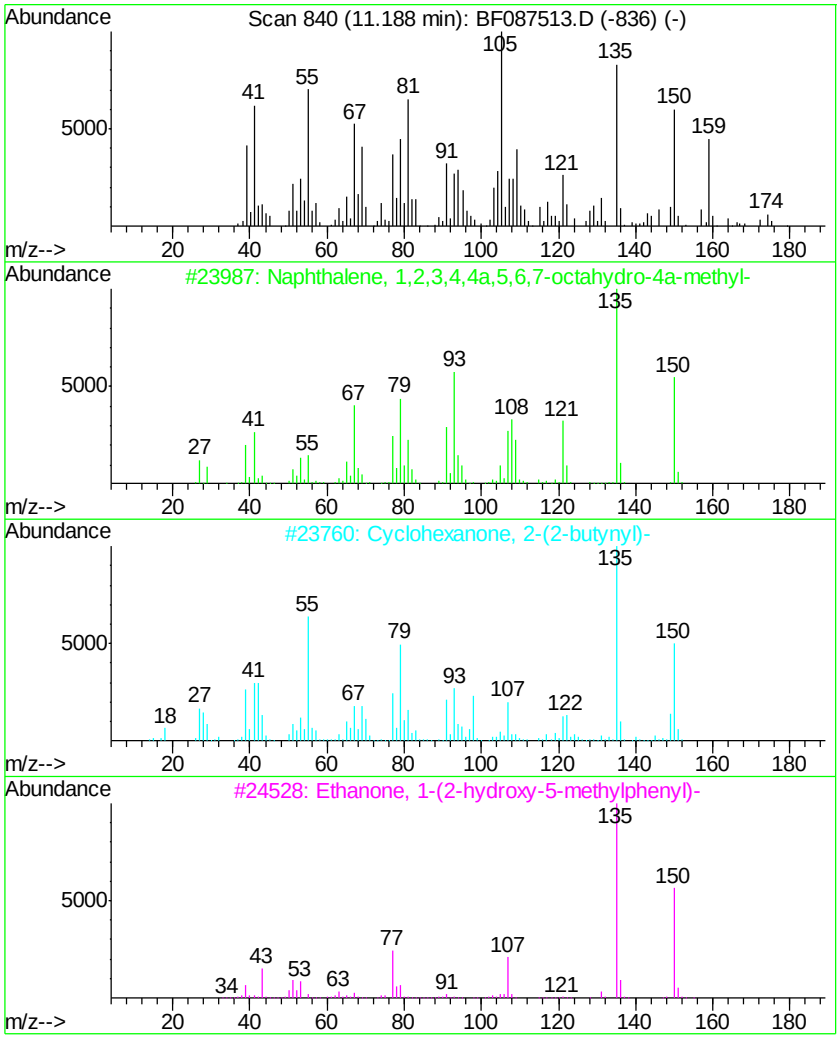
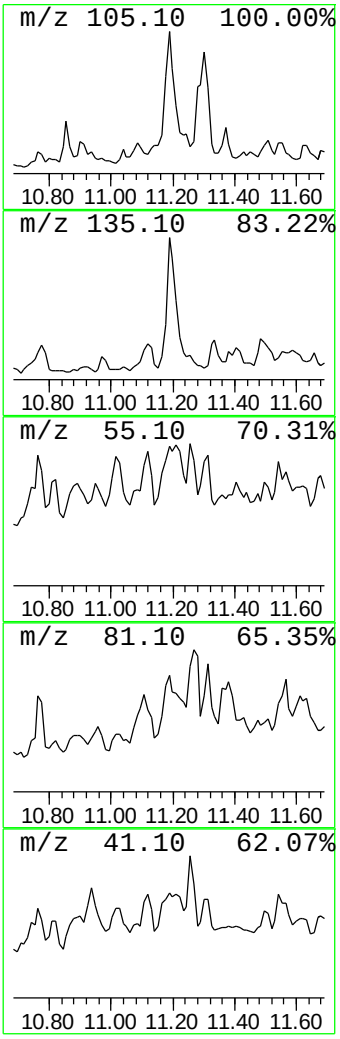
Peak Number 16 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	18.26 ng	1542220	Acenaphthene-d10	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	64
2	Cyclohexanone, 2-(2-butynyl)-	150	C10H14O	054166-48-2	50
3	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	46
4	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	38
5	Benzaldehyde, O-methyloxime	135	C8H9NO	003376-32-7	38





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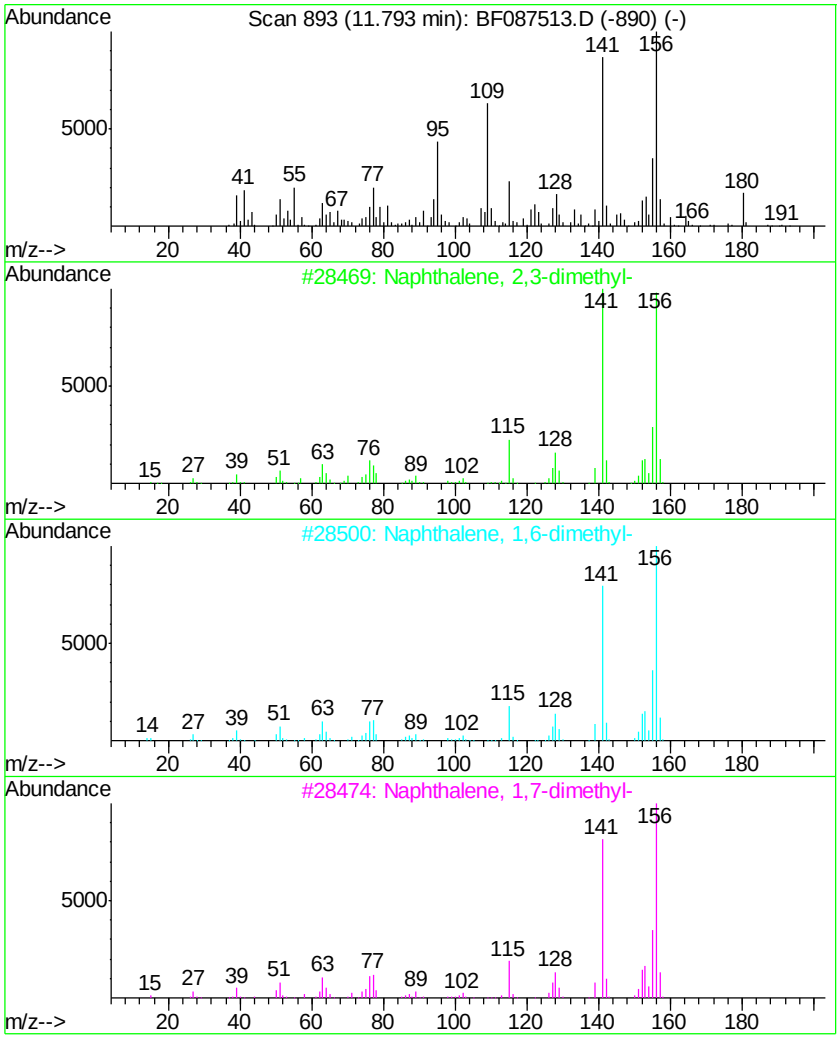
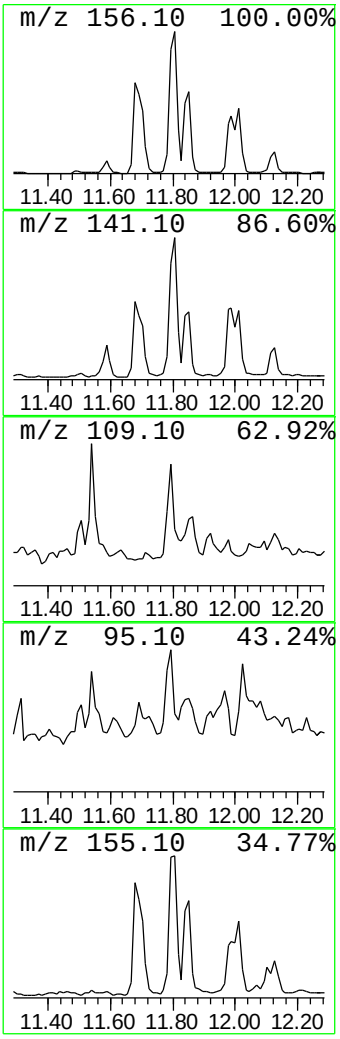
Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	10.13 ng	855470	Acenaphthene-d10	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





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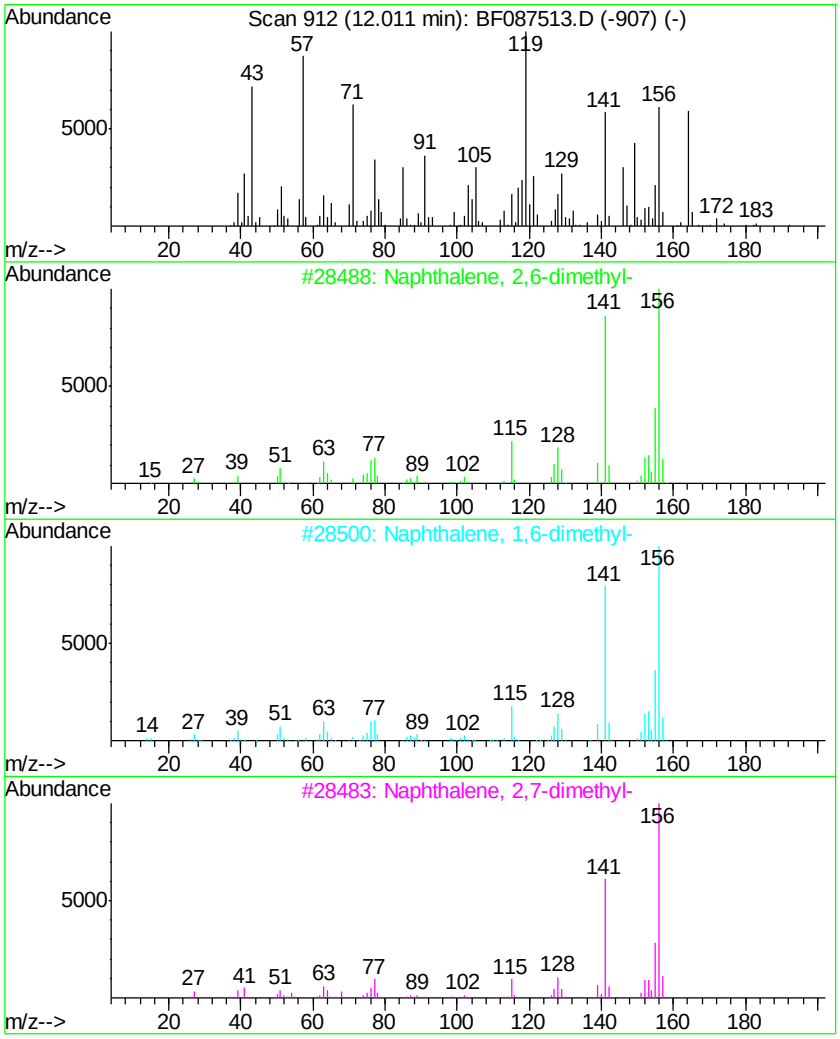
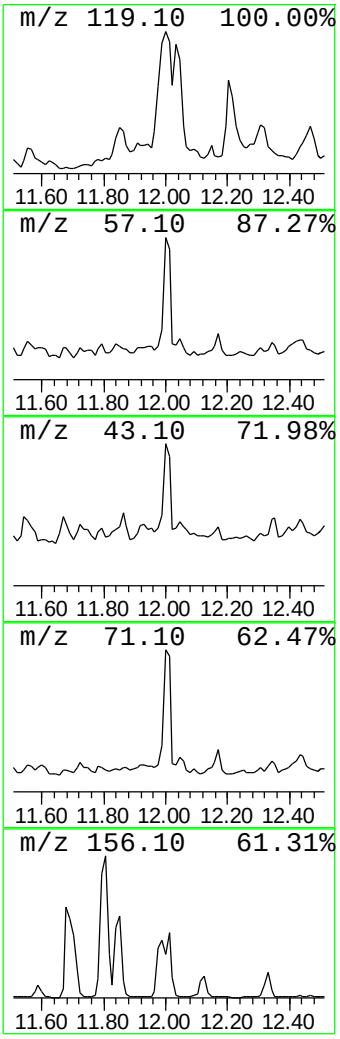
Peak Number 18 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	15.10 ng	1275060	Acenaphthene-d10	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	64
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	60
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	45
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	35
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	35





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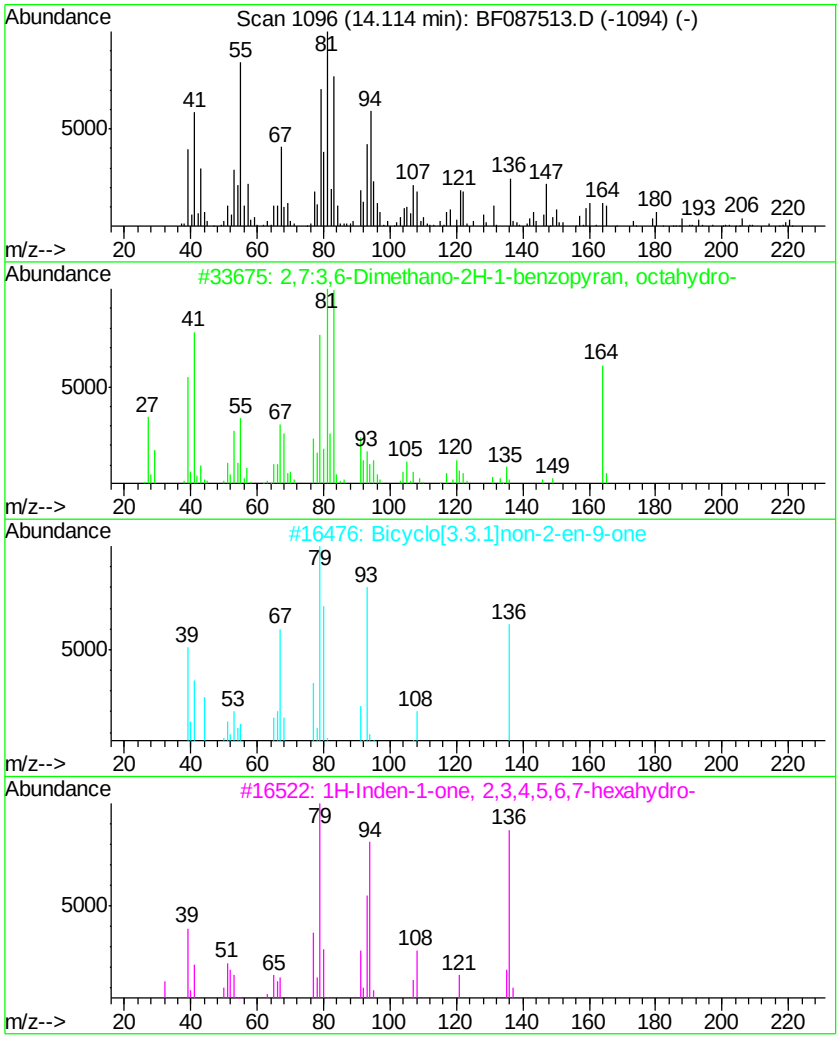
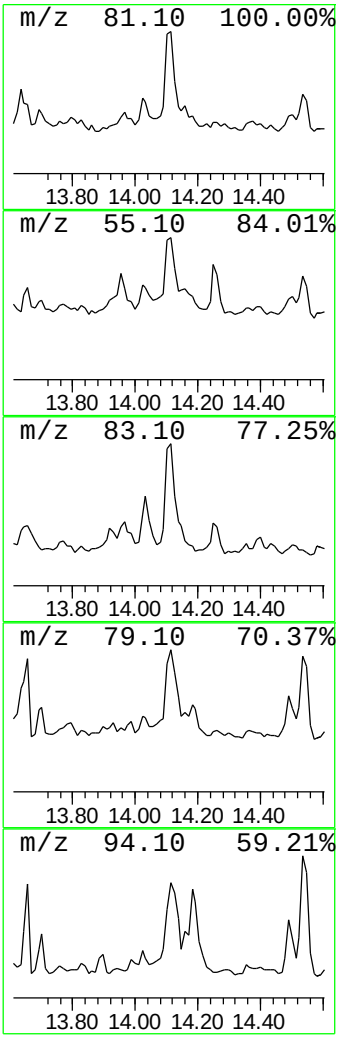
Peak Number 19 2,7:3,6-Dimethano-2H-1-benz... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	11.66 ng	520532	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7:3,6-Dimethano-2H-1-benzopyra...	164	C11H16O	055092-18-7	55
2	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	38
3	1H-Inden-1-one, 2,3,4,5,6,7-hexa...	136	C9H12O	022118-00-9	25
4	Bicyclo[6.1.0]non-1-ene	122	C9H14	002570-06-1	25
5	Cyclopropane, (R,R)-1-((Z)-hex-1...	150	C11H18	077210-40-3	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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

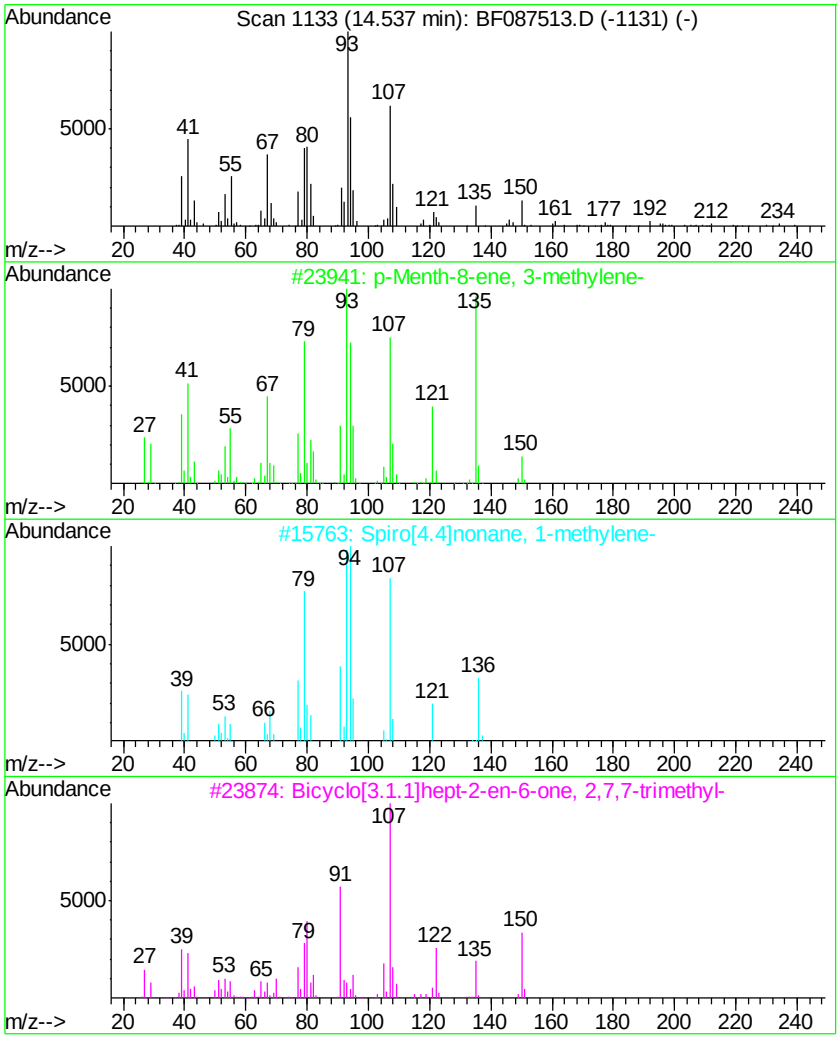
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

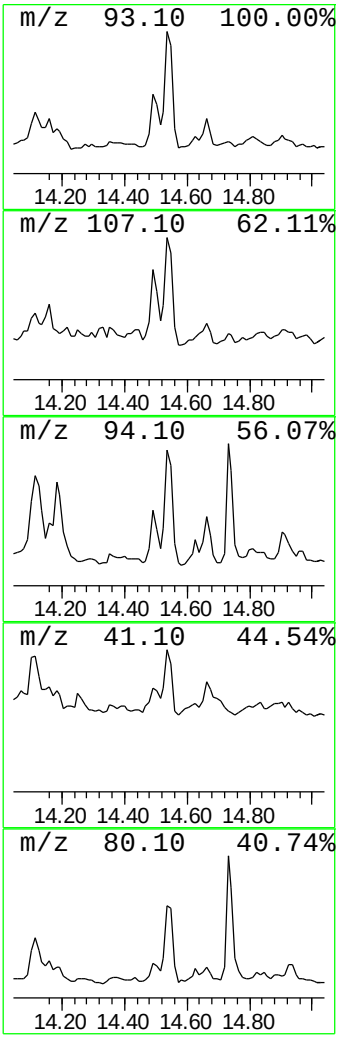
****

Peak Number 20 p-Menth-8-ene, 3-methylene- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	11.63 ng	519105	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Menth-8-ene, 3-methylene-	150	C11H18	1000151-25-7	52
2	Spiro[4.4]nonane, 1-methylene-	136	C10H16	019144-06-0	47
3	Bicyclo[3.1.1]hept-2-en-6-one, 2...	150	C10H14O	000473-06-3	43
4	1,2-Dihydropyridine, 1-(1-oxobut...	151	C9H13NO	1000132-46-2	43
5	Cyclohexanemethanol, 4-methylene-	126	C8H14O	001004-24-6	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087513.D
Acq On : 29 May 2016 10:34
Operator : UM/SJ
Sample : H3222-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-33

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
unknown7.13	7.13	75.6	ng	3182110	1	7.47	841638	20.0
Benzene, (1-methy...	7.39	10.7	ng	448071	1	7.47	841638	20.0
Benzene, 2-propenyl-	7.74	14.2	ng	597530	1	7.47	841638	20.0
Benzene, 1,2-diet...	7.88	12.3	ng	518844	1	7.47	841638	20.0
1-Phenyl-1-butene	8.31	10.5	ng	440135	1	7.47	841638	20.0
Benzene, 1,2,4,5-...	8.72	11.9	ng	726684	2	9.50	1226660	20.0
Benzene, 1-methyl...	8.99	11.5	ng	705205	2	9.50	1226660	20.0
Benzene, 1-etheny...	9.10	27.2	ng	1670930	2	9.50	1226660	20.0
Naphthalene, 1,2,...	9.91	13.2	ng	807593	2	9.50	1226660	20.0
1H-Indene, 2,3-di...	10.28	14.8	ng	909404	2	9.50	1226660	20.0
1-Adamantanol	10.35	29.8	ng	1826210	2	9.50	1226660	20.0
Naphthalene, 1,2,...	10.58	17.4	ng	1070480	2	9.50	1226660	20.0
unknown10.65	10.65	11.6	ng	712511	2	9.50	1226660	20.0
Naphthalene, 1,2,...	11.19	18.3	ng	1542220	3	12.33	1689160	20.0
Naphthalene, 2,3-...	11.79	10.1	ng	855470	3	12.33	1689160	20.0
Naphthalene, 2,6-...	12.01	15.1	ng	1275060	3	12.33	1689160	20.0
2,7:3,6-Dimethano...	14.11	11.7	ng	520532	4	14.74	892700	20.0
p-Menth-8-ene, 3-...	14.54	11.6	ng	519105	4	14.74	892700	20.0