LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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-BF121716.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	4.247	186	189	192	rBV2	116546	192367	1.99%	0.140%
2	4.304	192	194	201	rVB	64650	126938	1.32%	0.092%
3	4.921	246	248	251	rBV	896259	1140145	11.82%	0.829%
4	5.367	284	287	289	rBV	3436405	3522267	36.51%	2.560%
5	5.516	295	300	304	rVB7	27079	106337	1.10%	0.077%
6	5.607	304	308	311	rBV3	42780	104117	1.08%	0.076%
7	5.916	331	335	337	rBV	744271	718533	7.45%	0.522%
8	6.213	359	361	363	rVB	943092	836972	8.67%	0.608%
9	6.407	375	378	380	rBV	2388921	2322848	24.08%	1.688%
10	6.533	386	389	391	rBV	5816951	5925527	61.42%	4.307%
11	6.716	401	405	407	rBV2	500667	628245	6.51%	0.457%
12	6.762	407	409	411	rBV	1359272	1444457	14.97%	1.050%
13	6.922	420	423	427	rBV2	4625469	8187941	84.87%	5.952%
14	7.013	429	431	433	rVB	1287724	1066047	11.05%	0.775%
15	7.104	435	439	441	rVB2	868136	1221444	12.66%	0.888%
16	7.150	441	443	446	rBV2	77105	158252	1.64%	0.115%
17	7.207	446	448	451	rVB2	92989	135395	1.40%	0.098%
18	7.333	451	459	461	rBV2	5268737	9648183	100.00%	7.013%
19	7.413	464	466	467	rBV	310308	387855	4.02%	0.282%
20	7.447	467	469	471	rVB2	385026	513317	5.32%	0.373%
21	7.539	471	477	478	rVB	1667736	1941210	20.12%	1.411%
22	7.573	478	480	482	rBV2	71578	102123	1.06%	0.074%
23	7.607	482	483	485	rBV	96533	124469	1.29%	0.090%
24	7.653	485	487	489	rBV	326247	278939	2.89%	0.203%
25	7.699	489	491	496	rBV2	723358	1165941	12.08%	0.848%
26	7.790	496	499	501	rBV	4277322	4649249	48.19%	3.380%
27	7.825	501	502	503	rVB	249867	171284	1.78%	0.125%
28	7.870	503	506	509	rVB3	339805	552692	5.73%	0.402%
29	7.916	509	510	512	rVB	268724	239582	2.48%	0.174%
30	7.985	512	516	518	rBV	819458	1240520	12.86%	0.902%
31	8.042	518	521	524	rBV	2177960	3179973	32.96%	2.311%
32	8.099	524	526	527	rVB	533451	726109	7.53%	0.528%
33	8.133	527	529	531	rBV	159704	200301	2.08%	0.146%
34	8.179	531	533	534	rBV2	282880	324460	3.36%	0.236%

LSC Area Percent Report

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Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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-BF121716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.202	534	535	536	rBV	296923	279240	2.89%	0.203%
36	8.247	536	539	540	rBV	289302	391061	4.05%	0.284%
37	8.293	540	543	544	rBV	619237	669747	6.94%	0.487%
38	8.327	544	546	549	rVB3	340683	579330	6.00%	0.421%
39	8.430	551	555	557	rVB3	528371	837098	8.68%	0.608%
40	8.465	557	558	559	rBV	314427	259164	2.69%	0.188%
41	8.510	561	562	564	rVB	455490	552446	5.73%	0.402%
42	8.556	564	566	569	rBV4	125567	282050	2.92%	0.205%
43	8.613	569	571	572	rBV	250358	368963	3.82%	0.268%
44	8.636	572	573	575	rVB2	388592	318917	3.31%	0.232%
45	8.670	575	576	577	rBV	156960	167549	1.74%	0.122%
46	8.705	577	579	585	rVB3	937803	1304224	13.52%	0.948%
47	8.796	585	587	588	rBV2	259705	276881	2.87%	0.201%
48	8.830	588	590	591	rBV	317055	398488	4.13%	0.290%
49	8.956	598	601	602	rBV	768438	1192668	12.36%	0.867%
50	8.990	602	604	605	rVV2	249566	354191	3.67%	0.257%
51	9.013	605	606	607	rVV	223577	250413	2.60%	0.182%
52	9.047	607	609	610	rVV2	242217	346124	3.59%	0.252%
53	9.082	610	612	613	rVV2	243300	365288	3.79%	0.266%
54	9.128	613	616	618	rVV	6810203	7663919	79.43%	5.571%
55	9.162	618	619	621	rVB2	214895	227065	2.35%	0.165%
56	9.253	621	627	631	rBV7	480443	1817233	18.83%	1.321%
57	9.379	635	638	640	rVV2	1031139	1525707	15.81%	1.109%
58	9.413	640	641	643	rVV2	360725	702175	7.28%	0.510%
59	9.459	643	645	647	rVV	1465544	2642474	27.39%	1.921%
60	9.493	647	648	649	rVV	851983	751299	7.79%	0.546%
61	9.516	649	650	652	rVV	671648	1112842	11.53%	0.809%
62	9.573	654	655	659	rVV2	770508	1287118	13.34%	0.936%
63	9.642	659	661	664	rVV3	470823	1145666	11.87%	0.833%
64	9.756	668	671	673	rVV2	519601	1136790	11.78%	0.826%
65	9.802	673	675	677	rVV2	2003625	2868138	29.73%	2.085%
66	9.882	680	682	685	rVV3	300229	757188	7.85%	0.550%
67	9.939	685	687	688	rVV	334480	548309	5.68%	0.399%
68	9.973	688	690	691	rVV	337269	550658	5.71%	0.400%
69	9.996	691	692	694	rVV	435623	545030	5.65%	0.396%
70	10.030	694	695	698	rVV3	352946	782244	8.11%	0.569%
71	10.168	700	707	709	rVV	3613049	8731935	90.50%	6.347%

LSC Area Percent Report

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Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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-BF121716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.225	711	712	714	rVV	1185879	1220073	12.65%	0.887%
73	10.259	714	715	717	rVV	602828	792187	8.21%	0.576%
74	10.339	719	722	723	rVV3	477770	1004952	10.42%	0.730%
75	10.385	723	726	727	rVV2	657502	998981	10.35%	0.726%
76	10.419	727	729	735	rVV2	1211791	2776211	28.77%	2.018%
77	10.533	735	739	740	rVV2	688840	1179160	12.22%	0.857%
78	10.591	740	744	746	rVV2	4317295	6323974	65.55%	4.597%
79	10.636	746	748	751	rVV3	1139410	2415410	25.03%	1.756%
80	10.716	754	755	758	rVV2	727482	1022370	10.60%	0.743%
81	10.773	758	760	762	rVV2	387684	739210	7.66%	0.537%
82	10.808	762	763	765	rVV2	519195	732775	7.59%	0.533%
83	10.842	765	766	769	rVV3	393506	666659	6.91%	0.485%
84	10.933	769	774	777	rVV4	698293	1775347	18.40%	1.290%
85	10.991	777	779	780	rVV	498100	554103	5.74%	0.403%
86	11.025	780	782	785	rVV3	567271	887018	9.19%	0.645%
87	11.116	788	790	791	rVV	281541	289001	3.00%	0.210%
88	11.139	791	792	795	rVV3	176632	264636	2.74%	0.192%
89	11.219	797	799	802	rVV	478154	619370	6.42%	0.450%
90	11.276	802	804	807	rVB	1960140	1934716	20.05%	1.406%
91	11.676	837	839	844	rVB	377784	377688	3.91%	0.275%
92	11.825	850	852	854	rBV	361410	390546	4.05%	0.284%
93	12.054	869	872	874	rBV	1707514	2141459	22.20%	1.557%
94	12.602	919	920	922	rVV	156734	143000	1.48%	0.104%
95	12.694	926	928	931	rVB	164792	159831	1.66%	0.116%
96	12.865	940	943	946	rBV	4967245	7369337	76.38%	5.357%
97	13.768	1019	1022	1026	rVB2	125577	200379	2.08%	0.146%
98	13.905	1032	1034	1037	rBV	1462652	1848786	19.16%	1.344%
99	15.311	1154	1157	1159	rBV	1257396	1471210	15.25%	1.069%

Sum of corrected areas: 137572060

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091814.D
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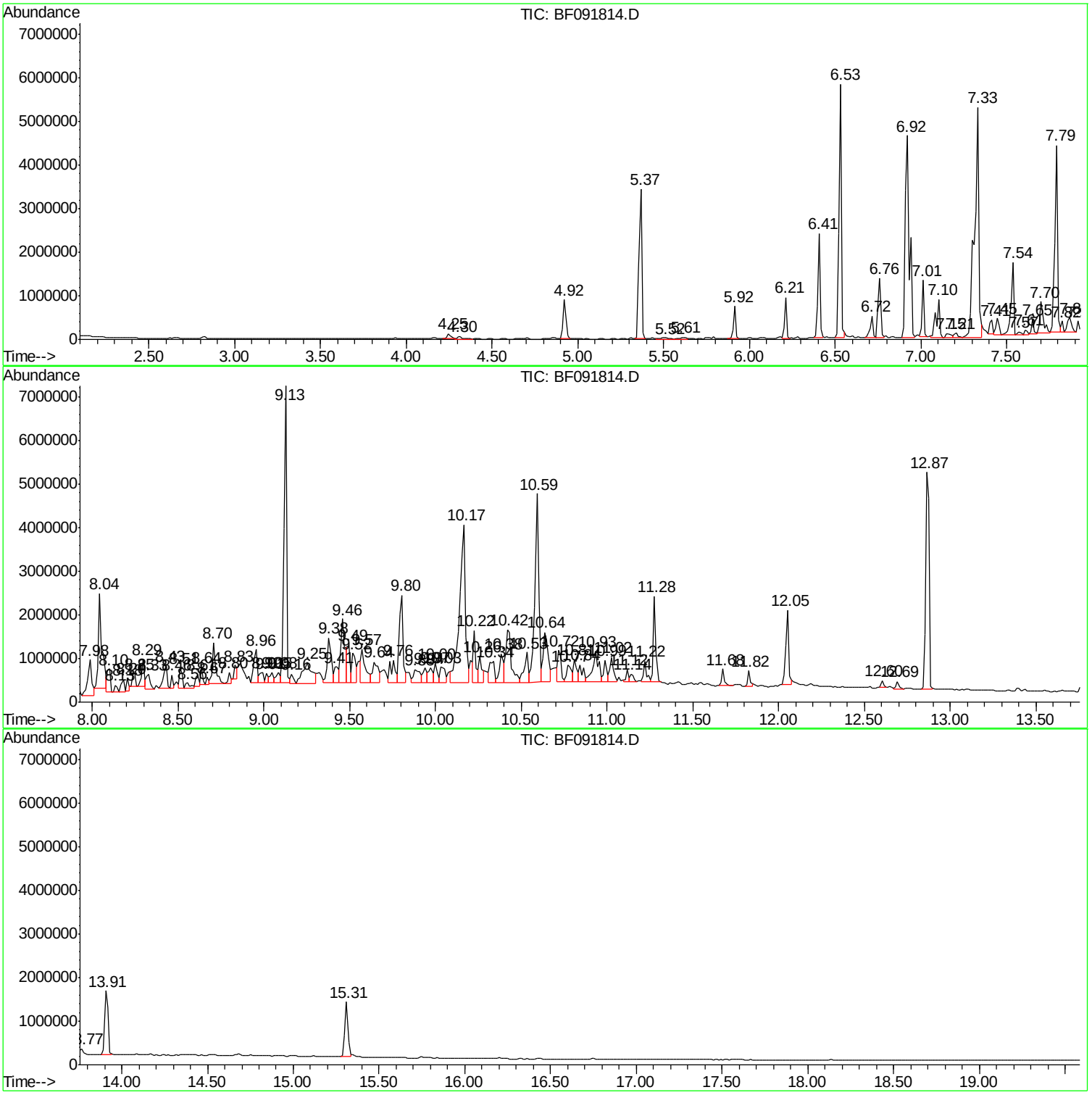
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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\BF122016\
Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

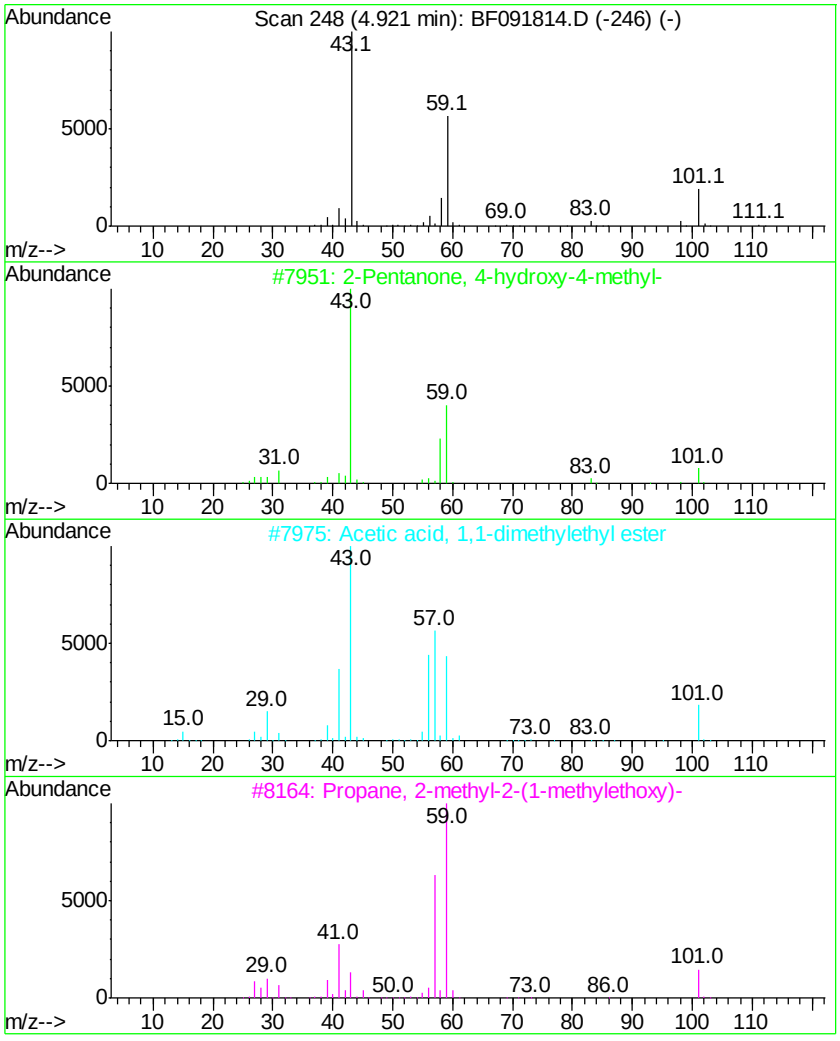
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

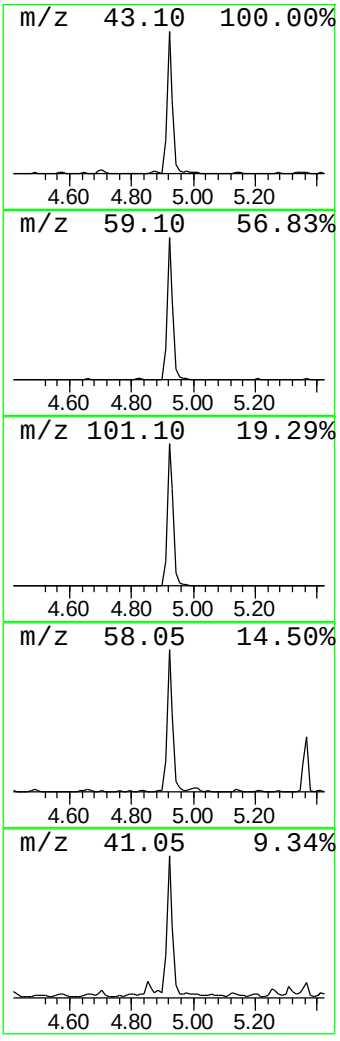
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	15.79 ng	1140150	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

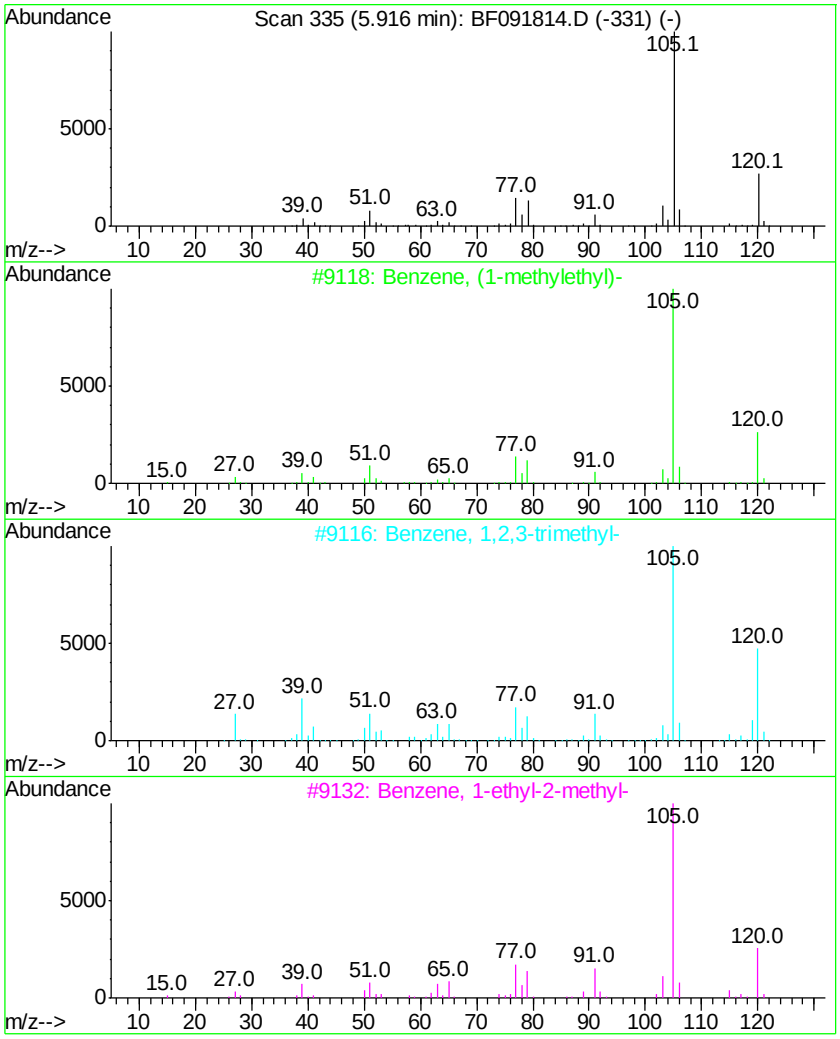
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

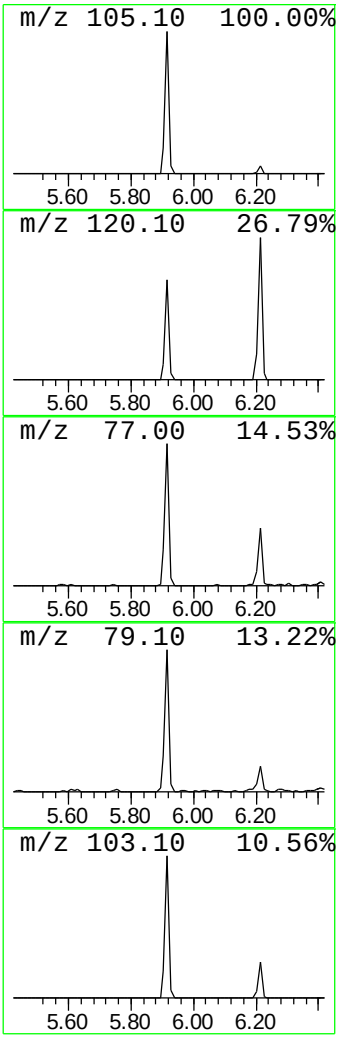
****

Peak Number 2 Benzene, (1-methylethyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	9.95 ng	718533	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
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Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

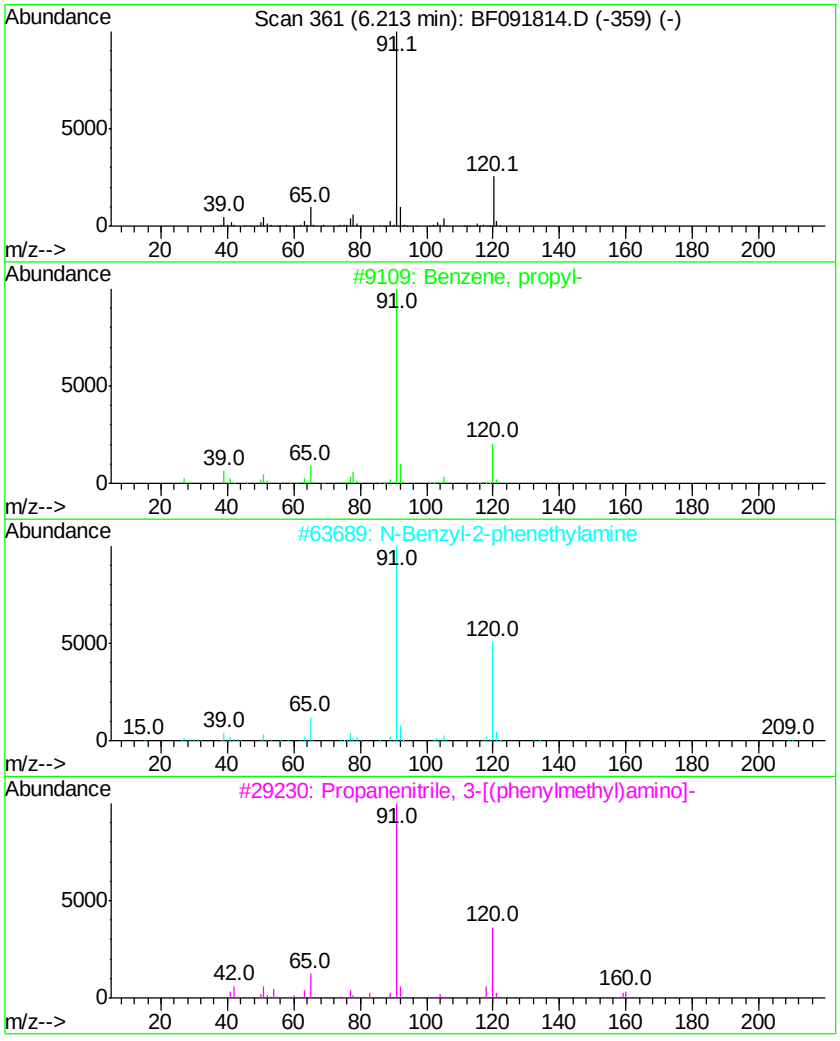
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

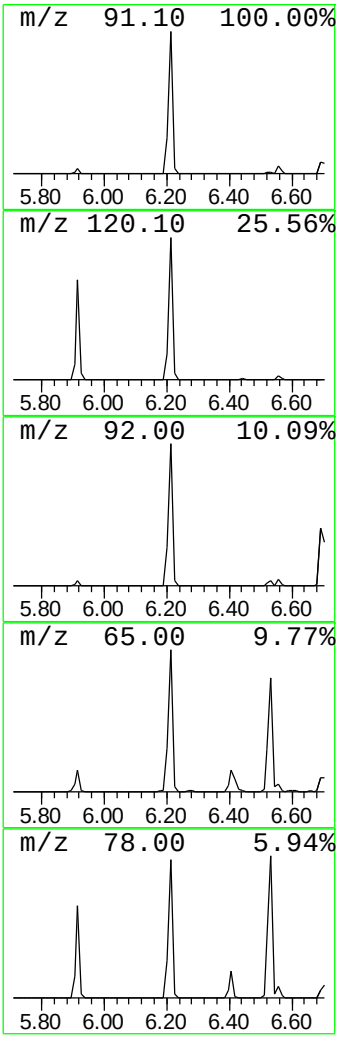
****

Peak Number 3 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	11.59 ng	836972	1,4-Dichlorobenzene-d4	6.76

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	72
3	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	59
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	56
5	Hydroxylamine, O-(phenylmethyl)-	123	C7H9NO	000622-33-3	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

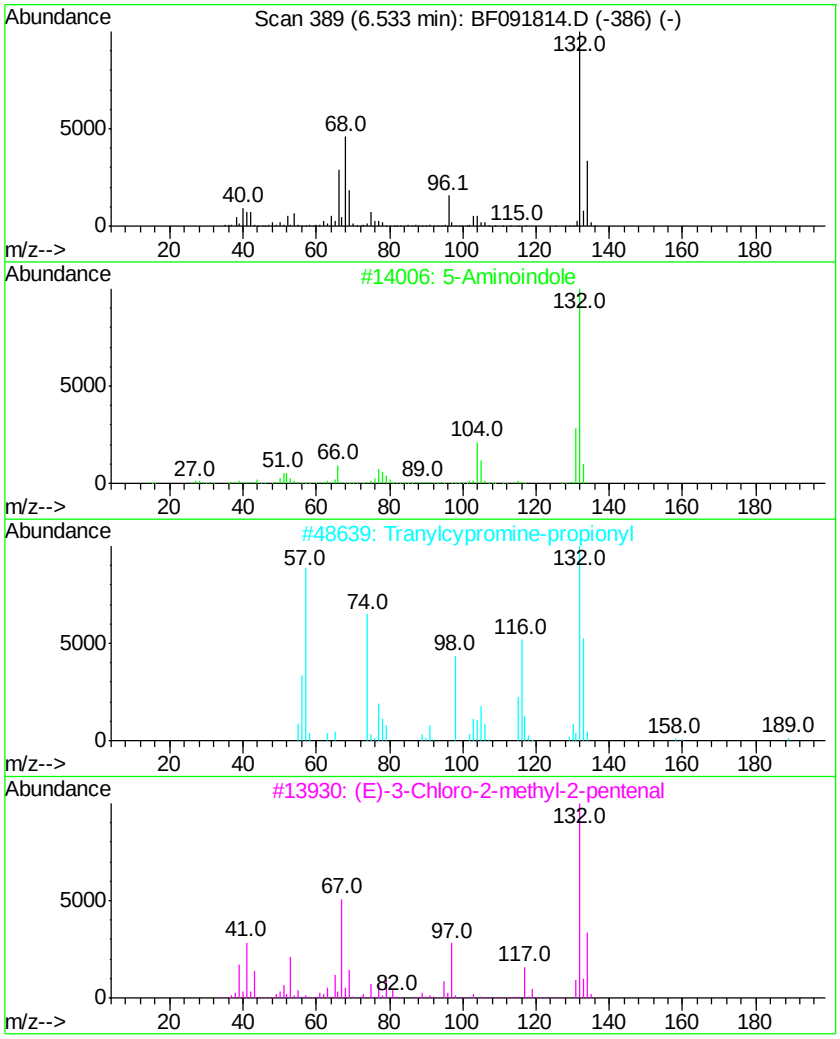
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

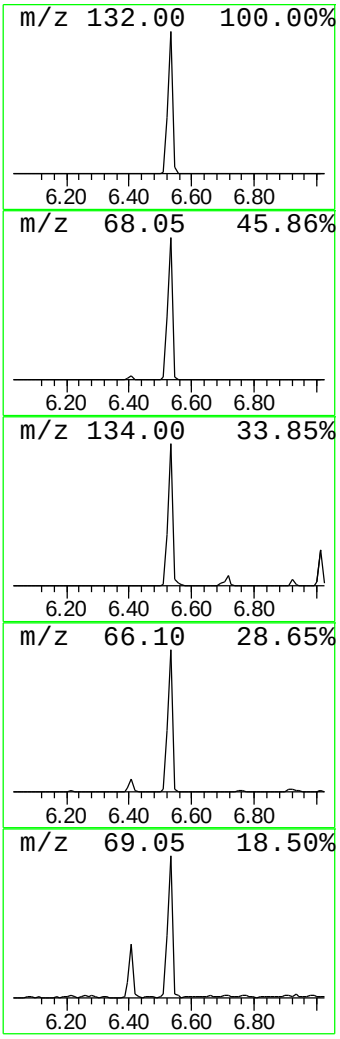
****

Peak Number 4 unknown6.53 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	82.05 ng	5925530	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

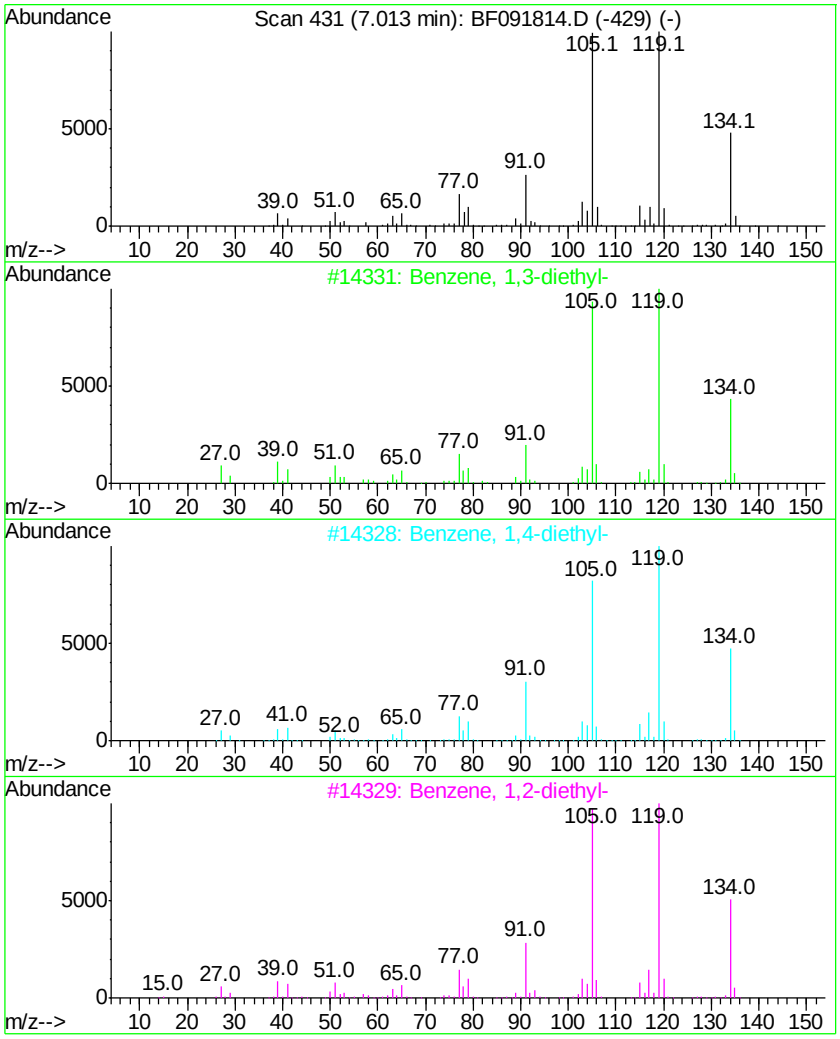
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

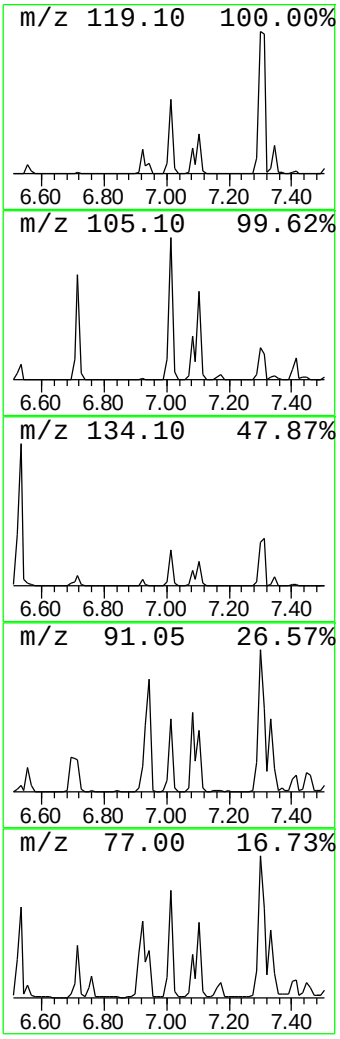
****

Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	14.76 ng	1066050	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
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-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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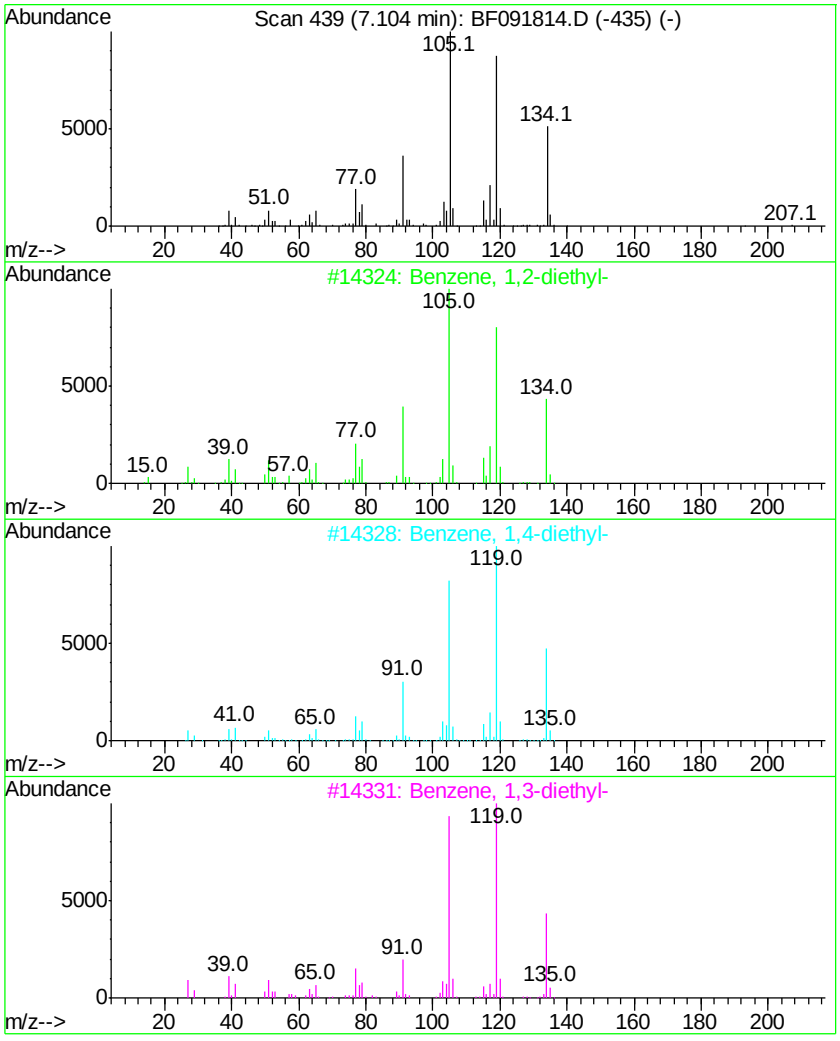
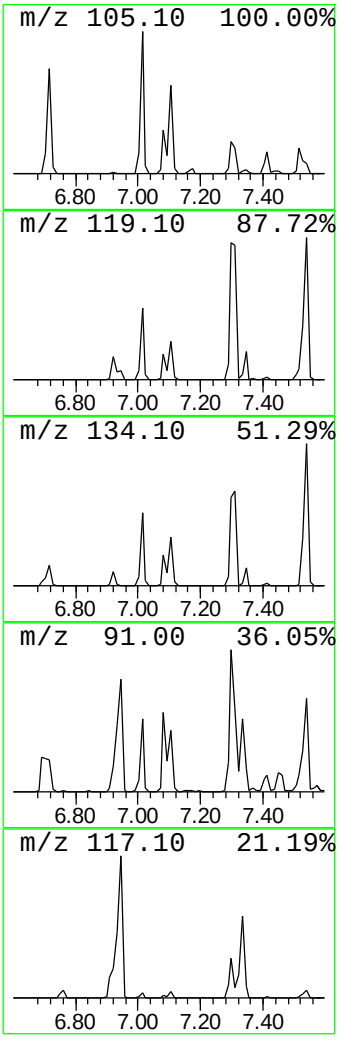
Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	16.91 ng	1221440	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
5	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	80





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Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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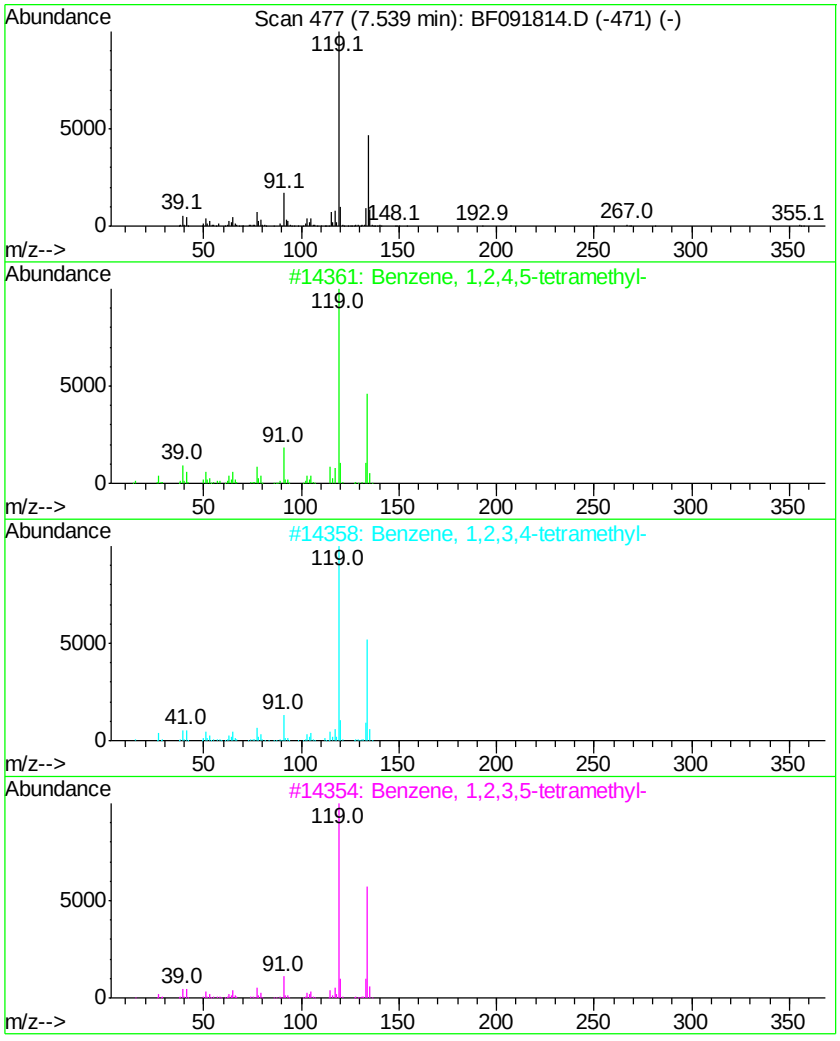
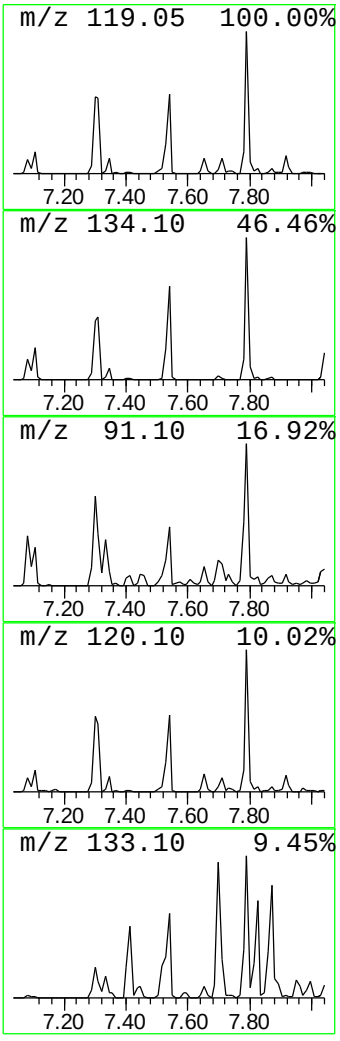
Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	12.21 ng	1941210	Naphthalene-d8	8.04

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	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





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Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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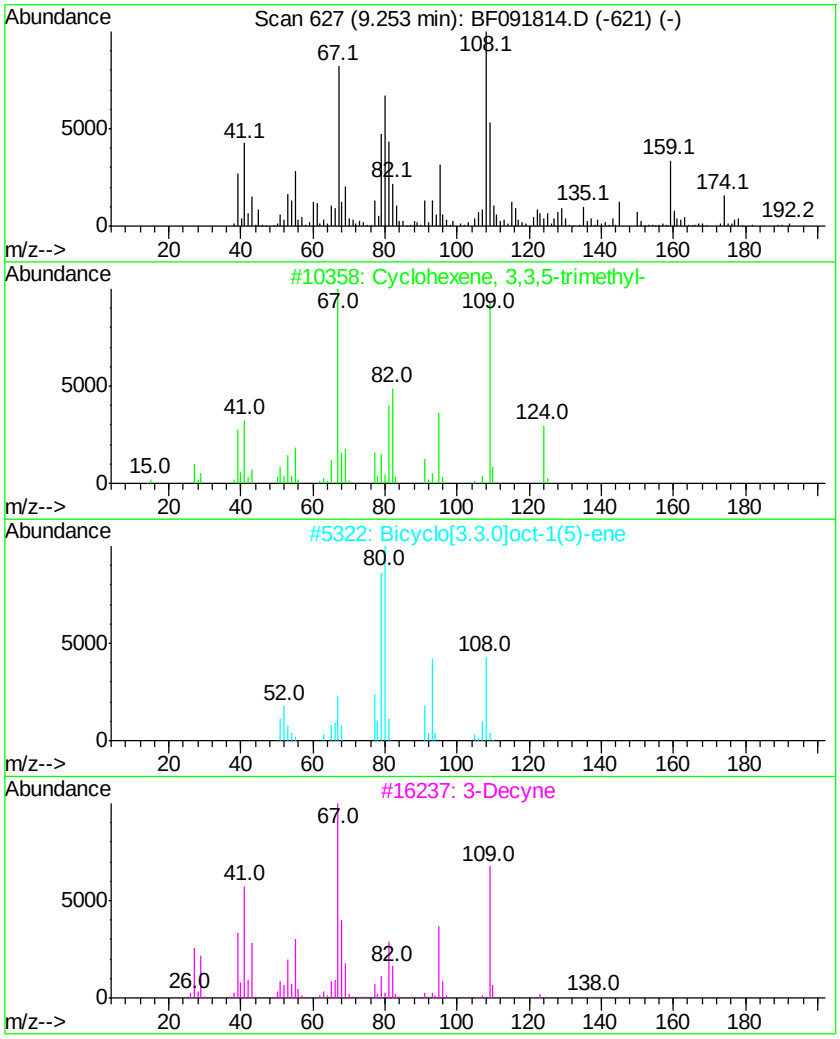
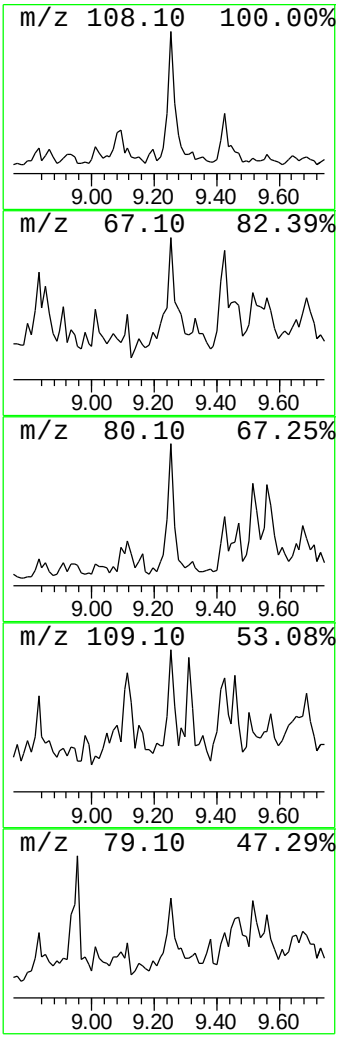
Peak Number 10 unknown9.25 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	12.67 ng	1817230	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	46
2	Bicyclo[3.3.0]oct-1(5)-ene	108	C8H12	006491-93-6	45
3	3-Decyne	138	C10H18	002384-85-2	30
4	2-Pyridinamine, 4-methyl-	108	C6H8N2	000695-34-1	30
5	2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	25





Library Search Compound Report

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Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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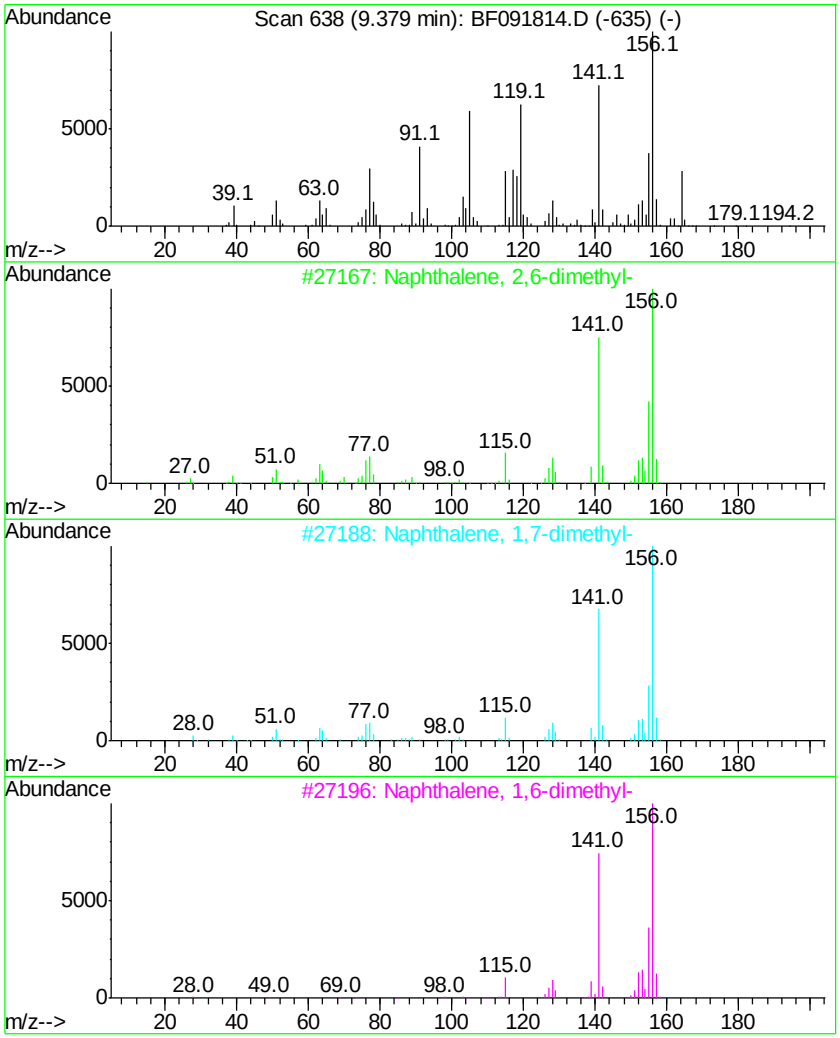
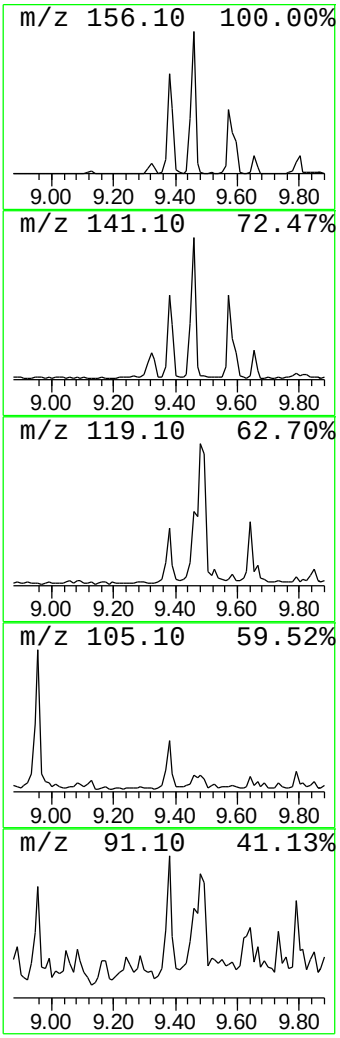
Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	10.64 ng	1525710	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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ClientSampleId : MW-01

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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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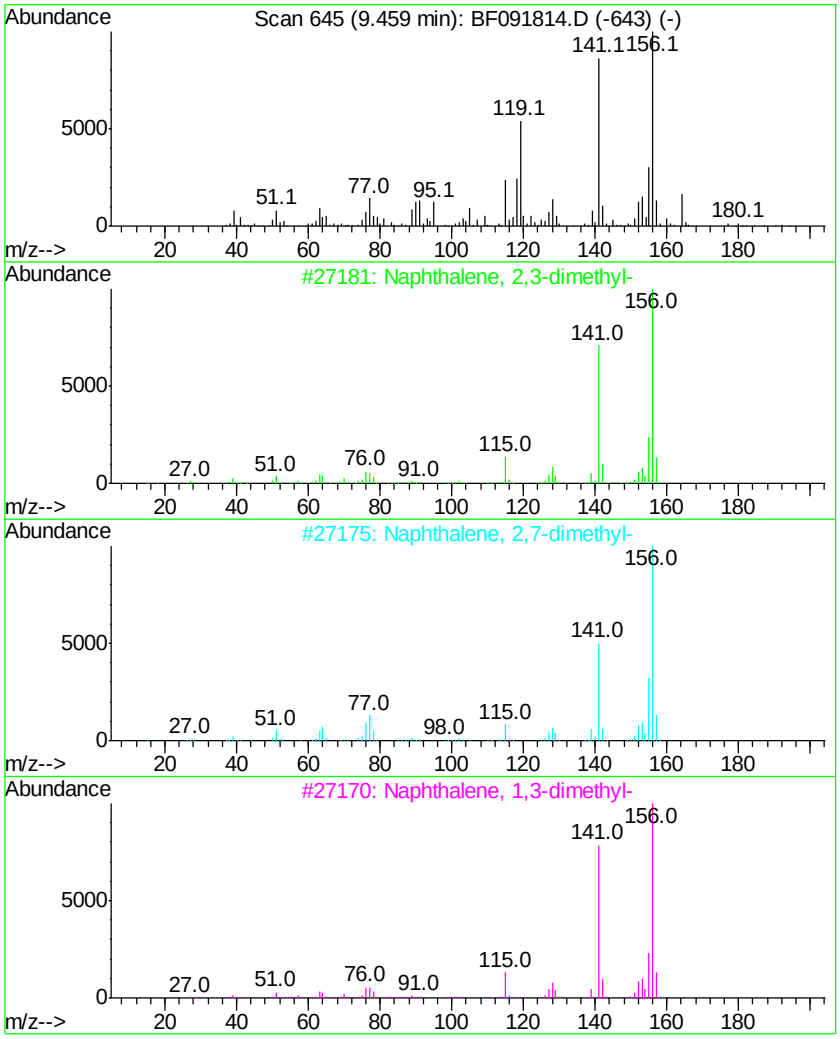
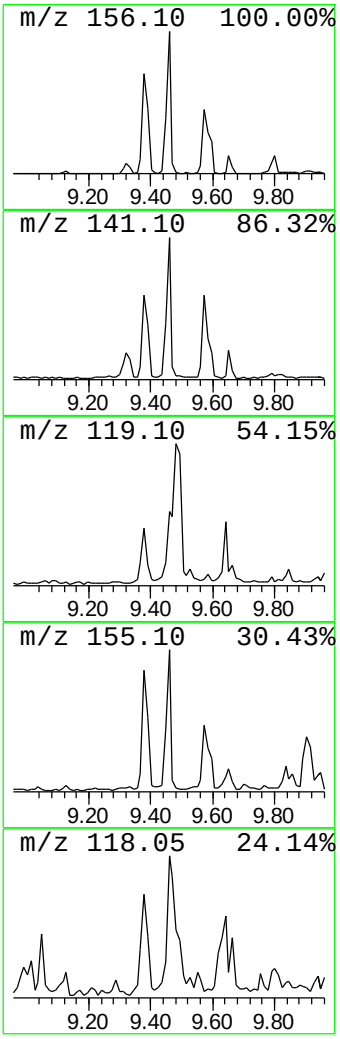
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	18.43 ng	2642470	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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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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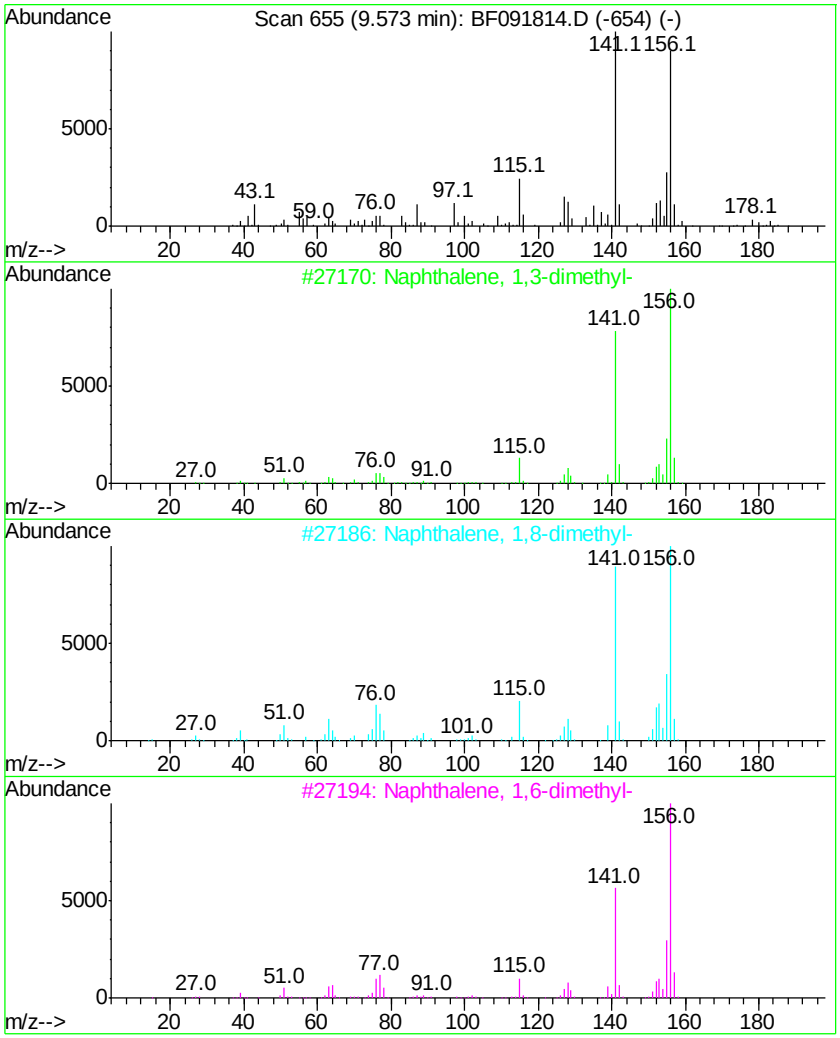
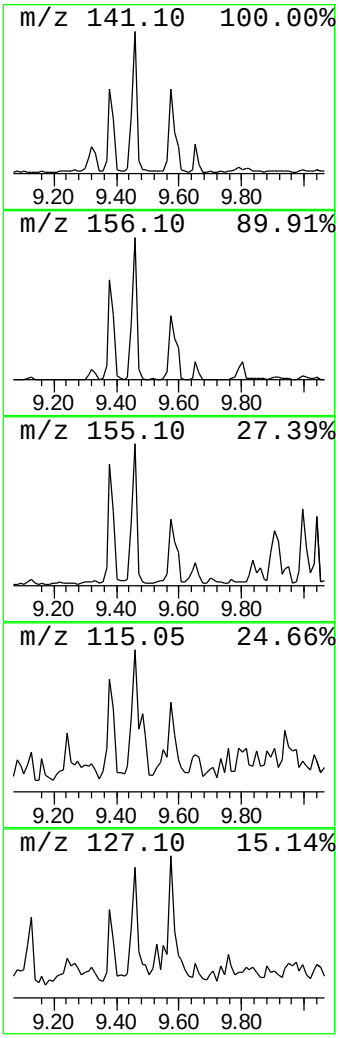
Peak Number 13 Naphthalene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	8.98 ng	1287120	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





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Sample : H6147-06
Misc :
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Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

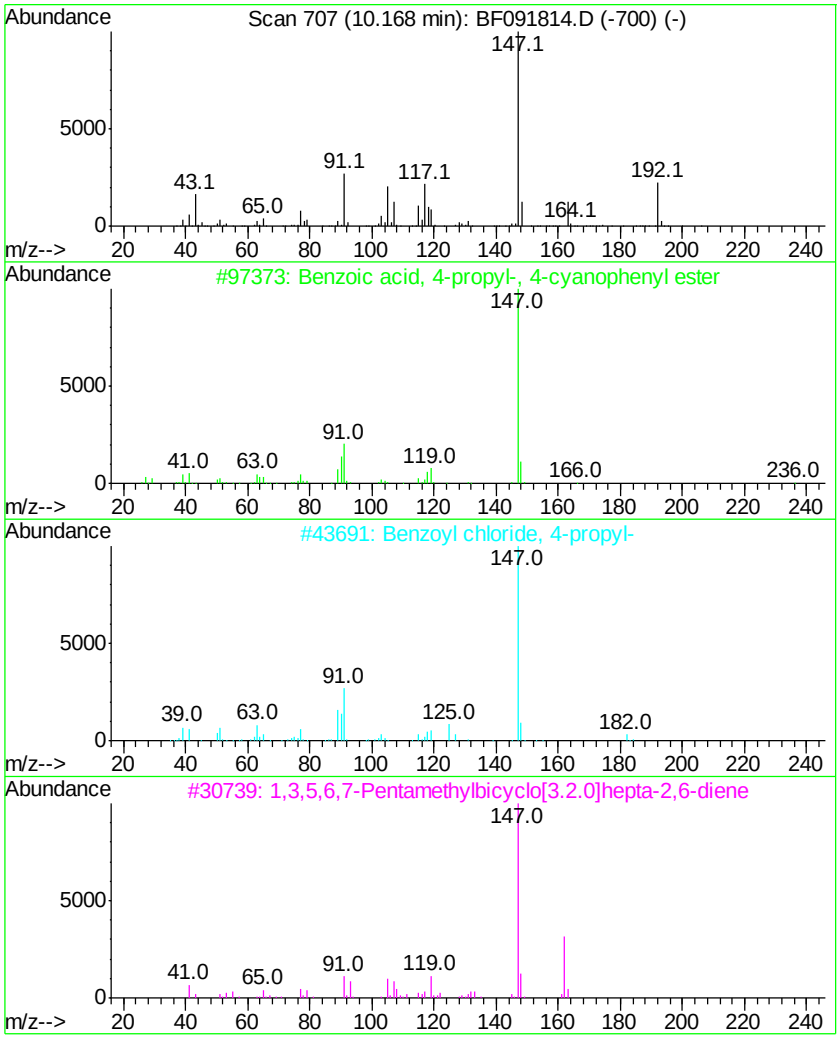
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

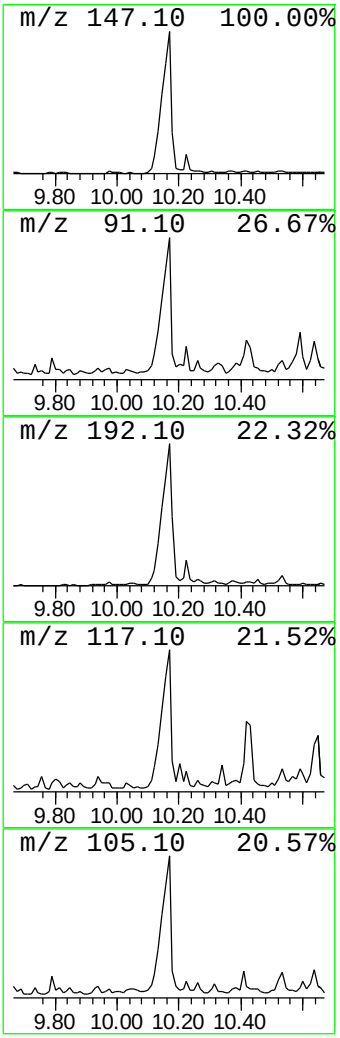
****

Peak Number 14 unknown10.17 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	60.89 ng	8731940	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-propyl-, 4-cyano...	265	C17H15NO2	056131-49-8	43
2	Benzoyl chloride, 4-propyl-	182	C10H11ClO	052710-27-7	37
3	1,3,5,6,7-Pentamethylbicyclo[3.2...	162	C12H18	003099-00-1	37
4	2-(5-Methyl-[1,3,4]thiadiazol-2-...	292	C14H16N2OS2	1000296-87-8	37
5	Benzoic acid, 4-propyl-, 4-cyano...	283	C17H14FNO2	086776-51-4	37





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ClientSampleId : MW-01

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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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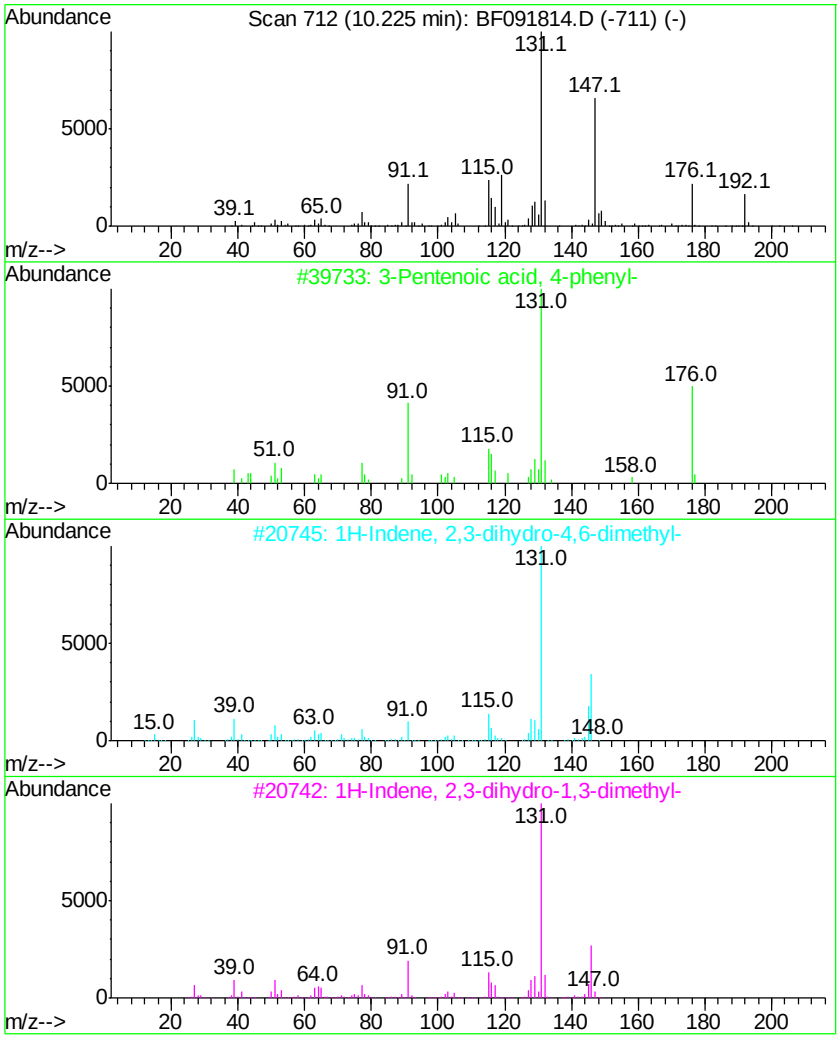
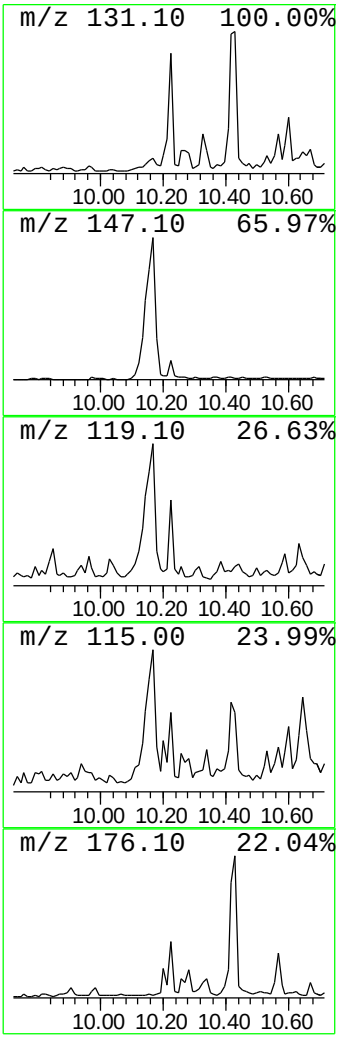
Peak Number 15 3-Pentenoic acid, 4-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	8.51 ng	1220070	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	64
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	50
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	47
4	Naphthalene, 1-ethyl-1,2,3,4-tet...	160	C12H16	013556-58-6	47
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	47





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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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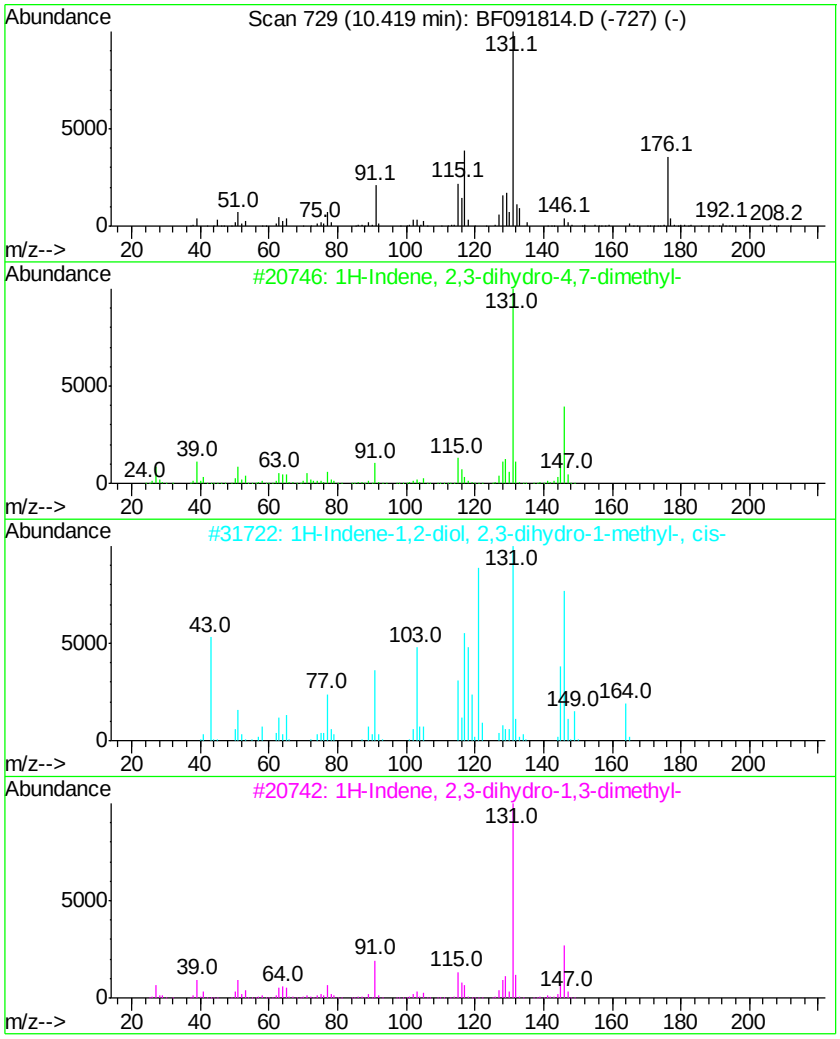
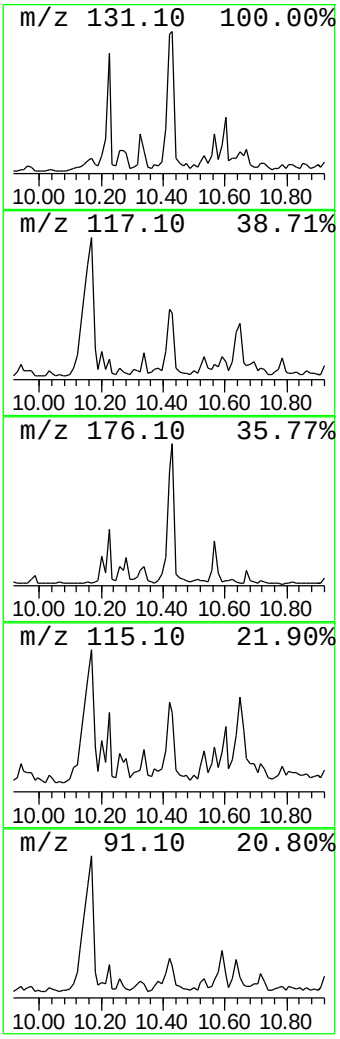
Peak Number 16 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	19.36 ng	2776210	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
2	1H-Indene-1,2-diol, 2,3-dihydro-...	164	C10H12O2	056588-29-5	59
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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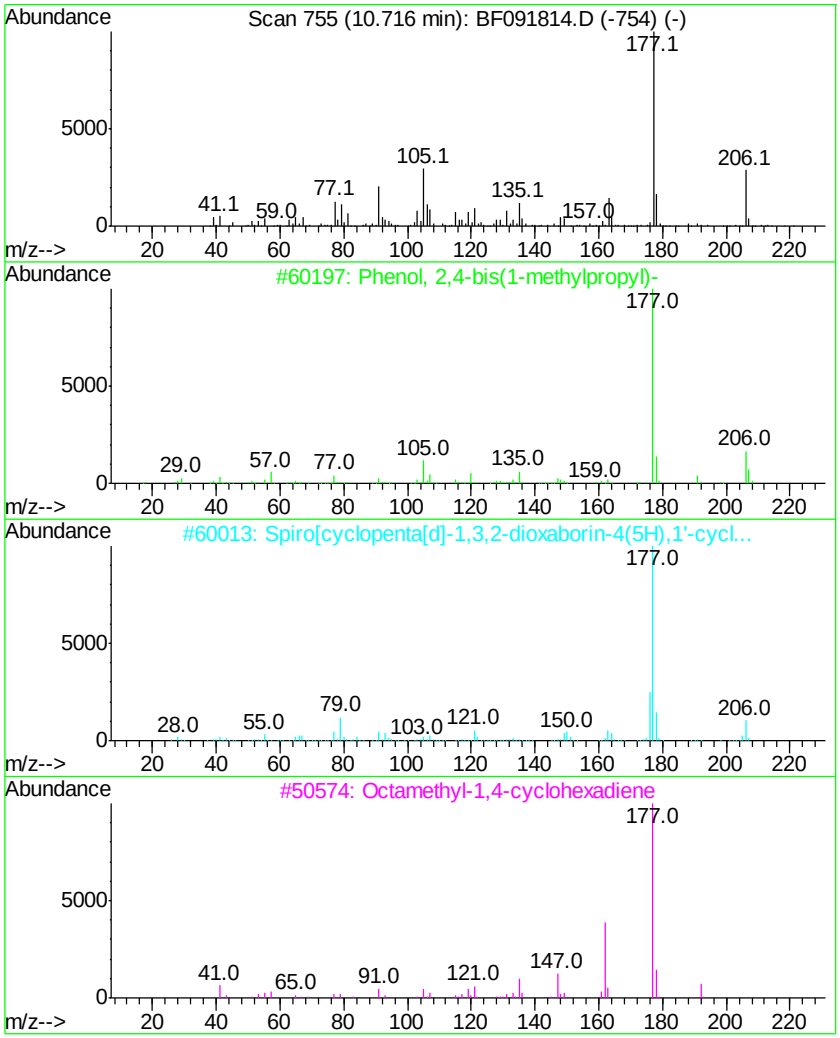
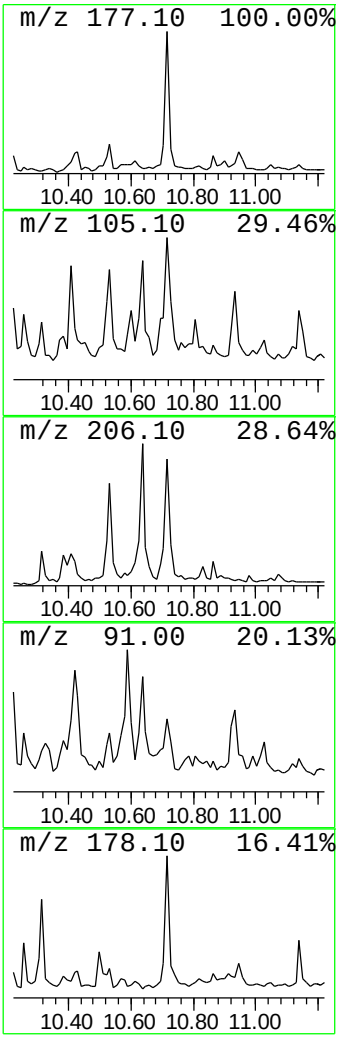
Peak Number 17 Phenol, 2,4-bis(1-methylpro... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	10.57 ng	1022370	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4-bis(1-methylpropyl)-	206	C14H22O	001849-18-9	72
2	Spiro[cyclopenta[d]-1,3,2-dioxab...	206	C12H19BO2	062238-26-0	52
3	Octamethyl-1,4-cyclohexadiene	192	C14H24	172684-93-4	50
4	p-Sec-butylphenyl 2,3-epoxypropy...	206	C13H18O2	067557-76-0	50
5	5-Aminomethylene-6-hydroxy-4-met...	177	C8H7N3O2	1000223-27-4	50





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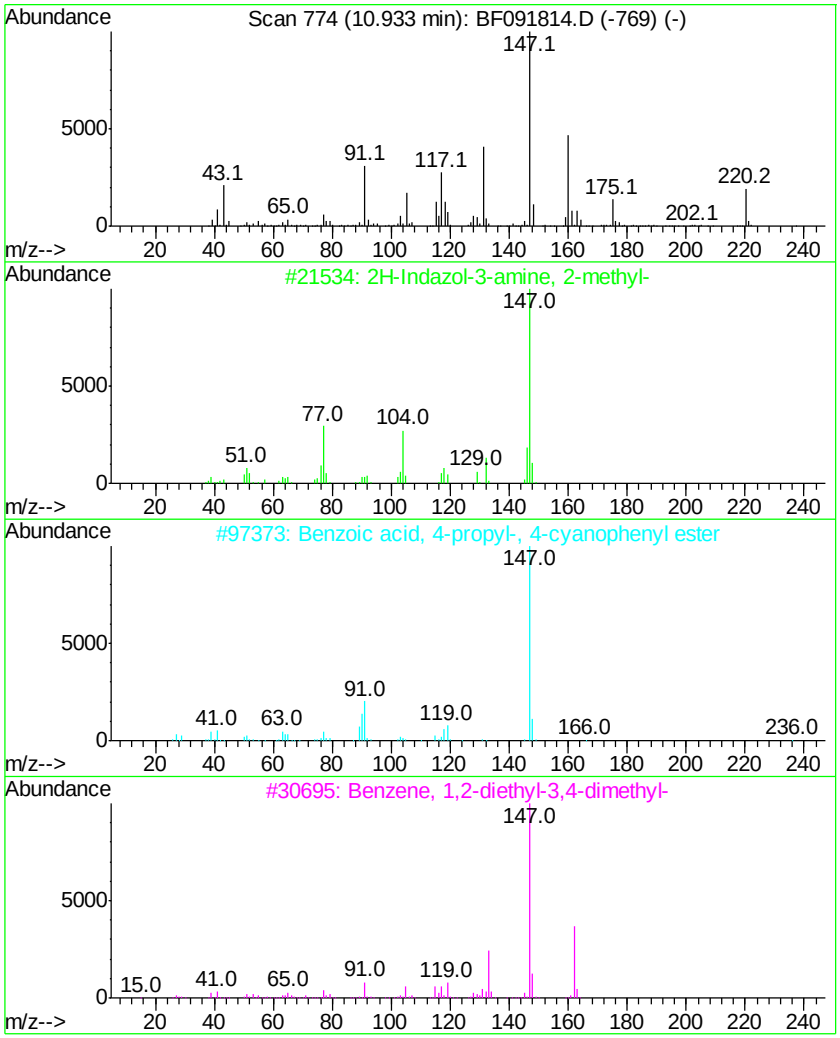
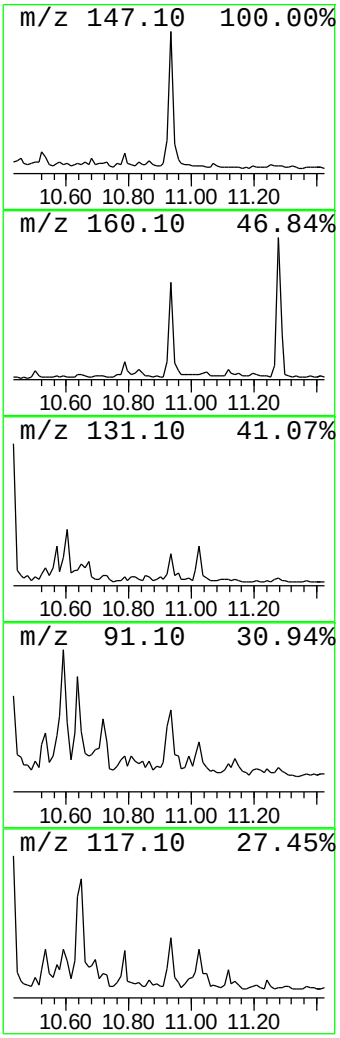
Peak Number 18 unknown10.93 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	18.35 ng	1775350	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Indazol-3-amine, 2-methyl-	147	C8H9N3	097990-19-7	30
2	Benzoic acid, 4-propyl-, 4-cyano...	265	C17H15NO2	056131-49-8	27
3	Benzene, 1,2-diethyl-3,4-dimethyl-	162	C12H18	054410-75-2	27
4	2-(5-Methyl-[1,3,4]thiadiazol-2-...	292	C14H16N2OS2	1000296-87-8	27
5	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	25





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TIC Library : C:\DATABASE\NIST02.L
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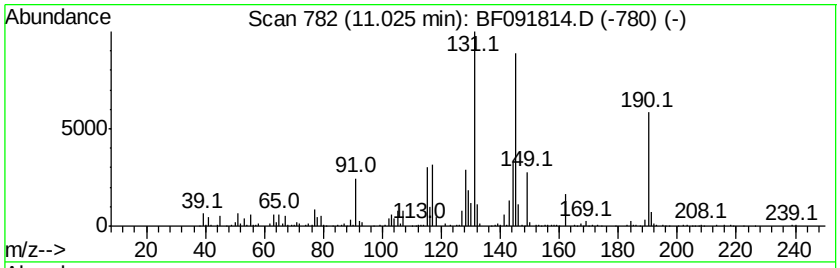
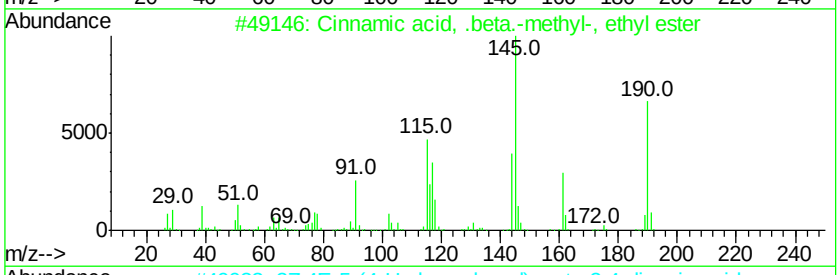
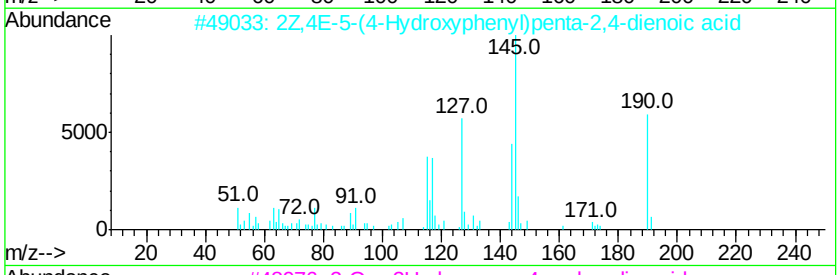
Peak Number 19 unknown11.02 Concentration Rank 18

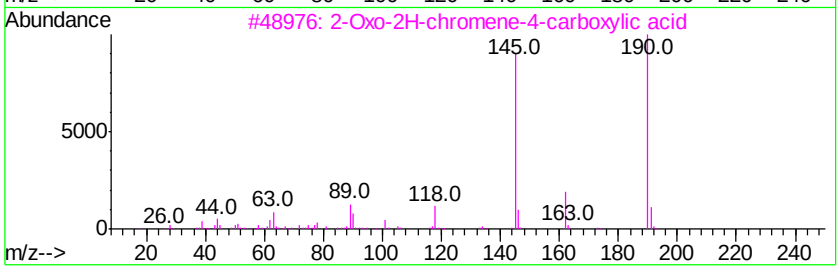
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	9.17 ng	887018	Phenanthrene-d10	11.28

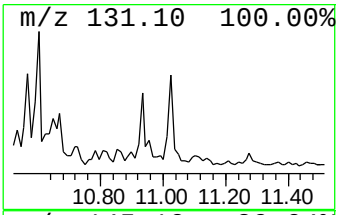
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamic acid, .beta.-methyl-, e...	190	C12H14O2	000945-93-7	46
2	2Z,4E-5-(4-Hydroxyphenyl)penta-2...	190	C11H10O3	1000137-43-2	43
3	2-Oxo-2H-chromene-4-carboxylic acid	190	C10H6O4	027393-46-0	35
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	25
5	Indole-2-carboxaldehyde	145	C9H7NO	019005-93-7	25

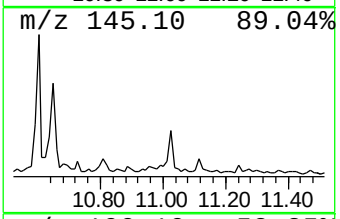


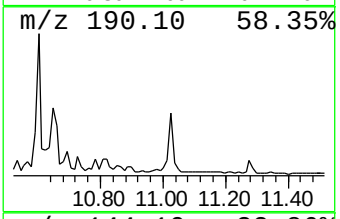


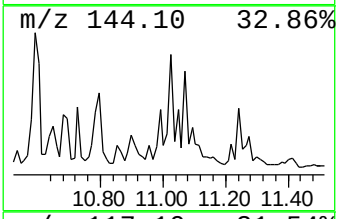


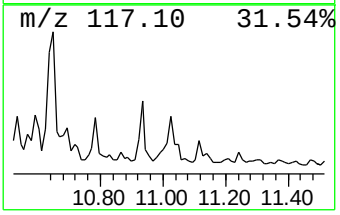












Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

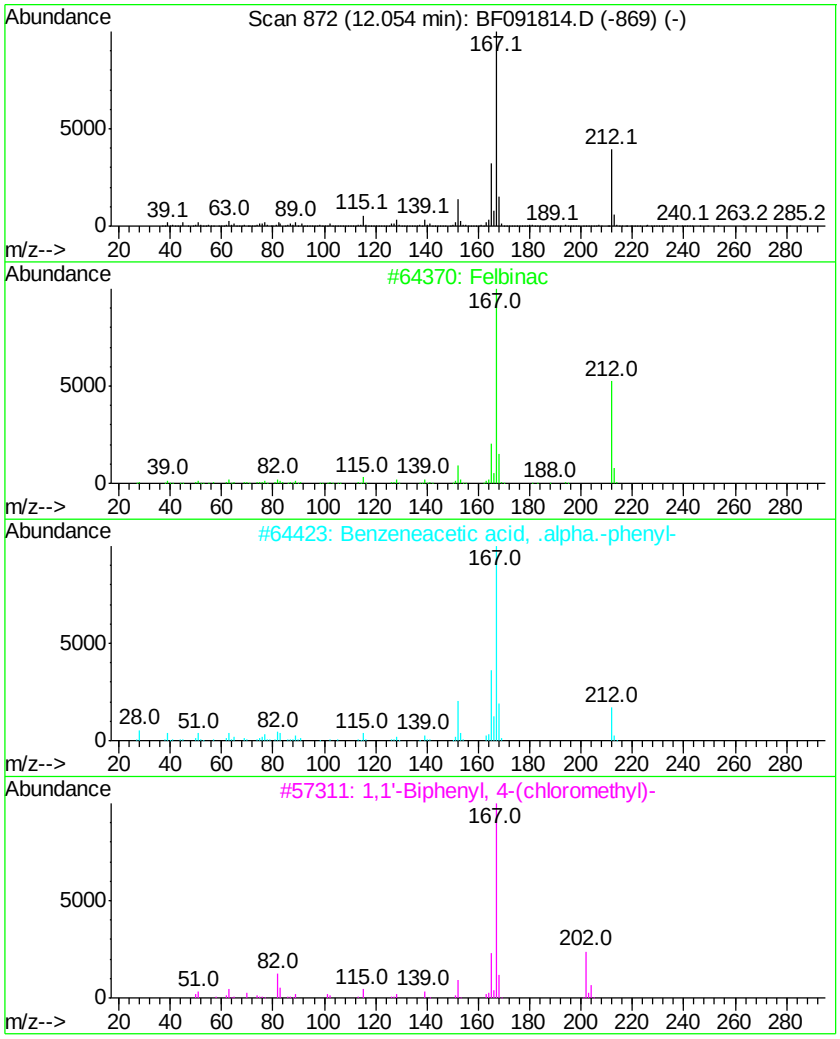
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

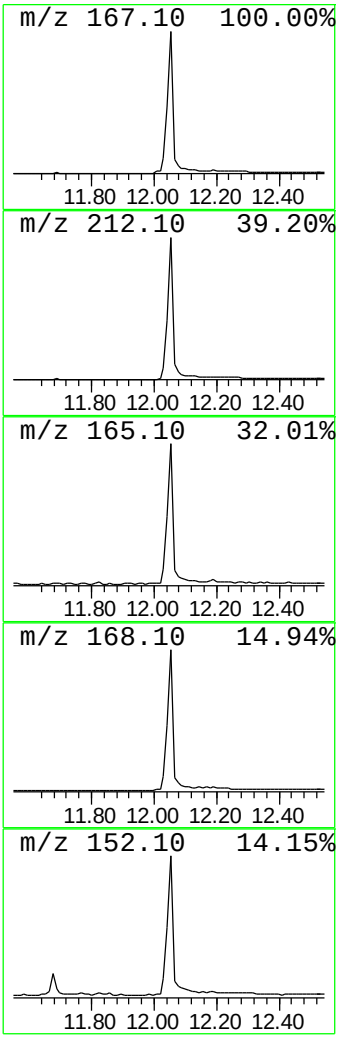
****

Peak Number 20 Felbinac Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	22.14 ng	2141460	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Felbinac	212	C14H12O2	005728-52-9	94
2	Benzeneacetic acid, .alpha.-phenyl-	212	C14H12O2	000117-34-0	87
3	1,1'-Biphenyl, 4-(chloromethyl)-	202	C13H11Cl	001667-11-4	70
4	Benzeneacetic acid, .alpha.-phen...	226	C15H14O2	003469-00-9	70
5	Benzene, 1,1'-propylidenebis-	196	C15H16	001530-03-6	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091814.D
Acq On : 20 Dec 2016 12:31
Operator : UM/SJ
Sample : H6147-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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
2-Pentanone, 4-hy...	4.92	15.8	ng	1140150	1	6.76	1444460	20.0
Benzene, (1-methy...	5.92	9.9	ng	718533	1	6.76	1444460	20.0
Benzene, propyl-	6.21	11.6	ng	836972	1	6.76	1444460	20.0
unknown6.53	6.53	82.0	ng	5925530	1	6.76	1444460	20.0
Benzene, 1,3-diet...	7.01	14.8	ng	1066050	1	6.76	1444460	20.0
Benzene, 1,2-diet...	7.10	16.9	ng	1221440	1	6.76	1444460	20.0
Benzene, 1,2,4,5-...	7.54	12.2	ng	1941210	2	8.04	3179970	20.0
unknown9.25	9.25	12.7	ng	1817230	3	9.80	2868140	20.0
Naphthalene, 2,6-...	9.38	10.6	ng	1525710	3	9.80	2868140	20.0
Naphthalene, 2,3-...	9.46	18.4	ng	2642470	3	9.80	2868140	20.0
Naphthalene, 1,3-...	9.57	9.0	ng	1287120	3	9.80	2868140	20.0
unknown10.17	10.17	60.9	ng	8731940	3	9.80	2868140	20.0
3-Pentenoic acid,...	10.22	8.5	ng	1220070	3	9.80	2868140	20.0
1H-Indene, 2,3-di...	10.42	19.4	ng	2776210	3	9.80	2868140	20.0
Phenol, 2,4-bis(1...	10.72	10.6	ng	1022370	4	11.28	1934720	20.0
unknown10.93	10.93	18.4	ng	1775350	4	11.28	1934720	20.0
unknown11.02	11.02	9.2	ng	887018	4	11.28	1934720	20.0
Felbinac	12.05	22.1	ng	2141460	4	11.28	1934720	20.0