LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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-BF122116.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	4.334	234	236	244	rBV	216114	343458	5.43%	0.305%
2	4.608	258	260	269	rVB	321613	584500	9.24%	0.519%
3	5.100	301	303	311	rBV	1251103	1904168	30.11%	1.691%
4	5.237	314	315	318	rVB2	43878	74265	1.17%	0.066%
5	5.317	318	322	324	rBV4	27757	72859	1.15%	0.065%
6	5.523	338	340	343	rBV	126388	156405	2.47%	0.139%
7	5.637	349	350	353	rVB	190725	231849	3.67%	0.206%
8	5.820	362	366	371	rVB3	43845	100951	1.60%	0.090%
9	5.911	371	374	375	rBV	110972	170467	2.70%	0.151%
10	5.946	375	377	381	rVV	259330	378907	5.99%	0.336%
11	6.014	381	383	388	rVV3	58559	99438	1.57%	0.088%
12	6.197	397	399	405	rBV	953663	1438021	22.74%	1.277%
13	6.289	405	407	411	rVV	3142564	3401854	53.79%	3.021%
14	6.460	419	422	424	rVB2	131171	198750	3.14%	0.176%
15	6.506	424	426	430	rVB	608221	836145	13.22%	0.742%
16	6.609	430	435	437	rBV2	45669	99164	1.57%	0.088%
17	6.666	437	440	444	rBV2	2976524	4865239	76.93%	4.320%
18	6.769	447	449	453	rVB	491728	499192	7.89%	0.443%
19	6.860	453	457	459	rBV2	244645	510956	8.08%	0.454%
20	6.894	459	460	462	rVB	130132	157448	2.49%	0.140%
21	7.066	471	475	476	rBV2	1215234	2644133	41.81%	2.348%
22	7.089	476	477	480	rVB2	2681620	3102682	49.06%	2.755%
23	7.169	480	484	486	rVB2	299041	433080	6.85%	0.385%
24	7.203	486	487	489	rBV	279680	371346	5.87%	0.330%
25	7.294	492	495	499	rBV	1223401	1535068	24.27%	1.363%
26	7.374	499	502	504	rVB3	87888	145917	2.31%	0.130%
27	7.420	504	506	508	rBV2	231706	437467	6.92%	0.388%
28	7.466	508	510	512	rBV3	326239	656922	10.39%	0.583%
29	7.512	512	514	515	rVV	1065584	909627	14.38%	0.808%
30	7.546	515	517	519	rVB	2805821	3534946	55.89%	3.139%
31	7.580	519	520	522	rVB	84166	83663	1.32%	0.074%
32	7.637	522	525	527	rBV3	207017	375456	5.94%	0.333%
33	7.683	527	529	531	rBV	280111	301701	4.77%	0.268%
34	7.797	532	539	543	rBV3	2277111	6090093	96.30%	5.407%

LSC Area Percent Report

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Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.900	545	548	550	rVB2	237086	410736	6.49%	0.365%
36	7.934	550	551	552	rVB	180828	123958	1.96%	0.110%
37	7.969	552	554	555	rVB	203017	238338	3.77%	0.212%
38	8.003	555	557	559	rBV	881318	926290	14.65%	0.822%
39	8.049	559	561	562	rBV	750078	691098	10.93%	0.614%
40	8.083	562	564	567	rVB3	331743	603101	9.54%	0.536%
41	8.152	567	570	571	rBV3	95888	207830	3.29%	0.185%
42	8.186	571	573	576	rVB3	255523	376405	5.95%	0.334%
43	8.243	576	578	579	rBV	416641	440055	6.96%	0.391%
44	8.277	579	581	582	rVV	407472	365189	5.77%	0.324%
45	8.312	582	584	586	rVV	1456442	1564140	24.73%	1.389%
46	8.369	588	589	590	rVB	158151	108492	1.72%	0.096%
47	8.392	590	591	593	rBV2	100430	162416	2.57%	0.144%
48	8.460	595	597	599	rVV	1197740	1264447	19.99%	1.123%
49	8.495	599	600	603	rVB2	352902	391522	6.19%	0.348%
50	8.552	603	605	606	rBV2	80550	85832	1.36%	0.076%
51	8.620	606	611	616	rBV5	714358	1706653	26.99%	1.515%
52	8.723	616	620	621	rBV2	355514	678391	10.73%	0.602%
53	8.803	621	627	629	rVV4	765971	2407652	38.07%	2.138%
54	8.837	629	630	631	rVV	326563	307187	4.86%	0.273%
55	8.883	631	634	636	rVB	3965567	4211499	66.59%	3.739%
56	9.032	641	647	648	rBV4	293897	693014	10.96%	0.615%
57	9.066	648	650	652	rBV3	376281	583926	9.23%	0.518%
58	9.123	652	655	659	rVB3	595736	1357627	21.47%	1.205%
59	9.215	659	663	665	rBV3	1004565	2251725	35.60%	1.999%
60	9.329	671	673	678	rVB4	613748	1665976	26.34%	1.479%
61	9.409	678	680	684	rVB4	307440	543039	8.59%	0.482%
62	9.546	684	692	695	rBV	2857426	6324390	100.00%	5.616%
63	9.615	696	698	699	rVB2	550449	447024	7.07%	0.397%
64	9.637	699	700	702	rVB	582515	602414	9.53%	0.535%
65	9.786	705	713	716	rBV3	1816559	5607141	88.66%	4.979%
66	9.832	716	717	718	rVB	360159	246889	3.90%	0.219%
67	9.946	722	727	729	rBV2	1718170	3605201	57.00%	3.201%
68	9.992	729	731	738	rVB4	1264506	2978063	47.09%	2.644%
69	10.095	738	740	741	rBV	204776	341104	5.39%	0.303%
70	10.140	741	744	745	rBV	2553282	5334235	84.34%	4.736%
71	10.346	758	762	763	rBV2	3361136	4665330	73.77%	4.142%

LSC Area Percent Report

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Data File : BF092412.D
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Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
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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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.380	763	765	768	rVV2	1002609	1657757	26.21%	1.472%
73	10.438	768	770	772	rVV3	763801	1558695	24.65%	1.384%
74	10.472	772	773	776	rVV3	1299792	2469519	39.05%	2.193%
75	10.518	776	777	780	rVV	762013	983692	15.55%	0.873%
76	10.620	783	786	788	rVV2	550430	1014328	16.04%	0.901%
77	10.666	788	790	792	rVV2	559272	991274	15.67%	0.880%
78	10.735	794	796	798	rVV3	238540	364185	5.76%	0.323%
79	10.792	798	801	806	rVB5	395051	1096677	17.34%	0.974%
80	10.918	809	812	814	rBV2	185413	345455	5.46%	0.307%
81	11.032	819	822	824	rVB	1153937	1567447	24.78%	1.392%
82	11.089	824	827	828	rBV2	131645	199619	3.16%	0.177%
83	11.592	869	871	874	rBV2	189733	239362	3.78%	0.213%
84	11.809	888	890	893	rBV2	86241	217925	3.45%	0.193%
85	12.323	933	935	936	rBV	102040	102844	1.63%	0.091%
86	12.369	936	939	941	rVV2	97812	222977	3.53%	0.198%
87	12.449	945	946	949	rVB2	142143	155680	2.46%	0.138%
88	12.518	950	952	954	rBV	163269	183660	2.90%	0.163%
89	12.621	958	961	963	rVV	4516414	5545712	87.69%	4.924%
90	13.158	1006	1008	1009	rBV	87944	101177	1.60%	0.090%
91	13.524	1038	1040	1044	rVB	91803	116309	1.84%	0.103%
92	13.649	1049	1051	1054	rBV	1038630	1242074	19.64%	1.103%
93	14.998	1167	1169	1172	rBV	826544	982311	15.53%	0.872%

Sum of corrected areas: 112623145

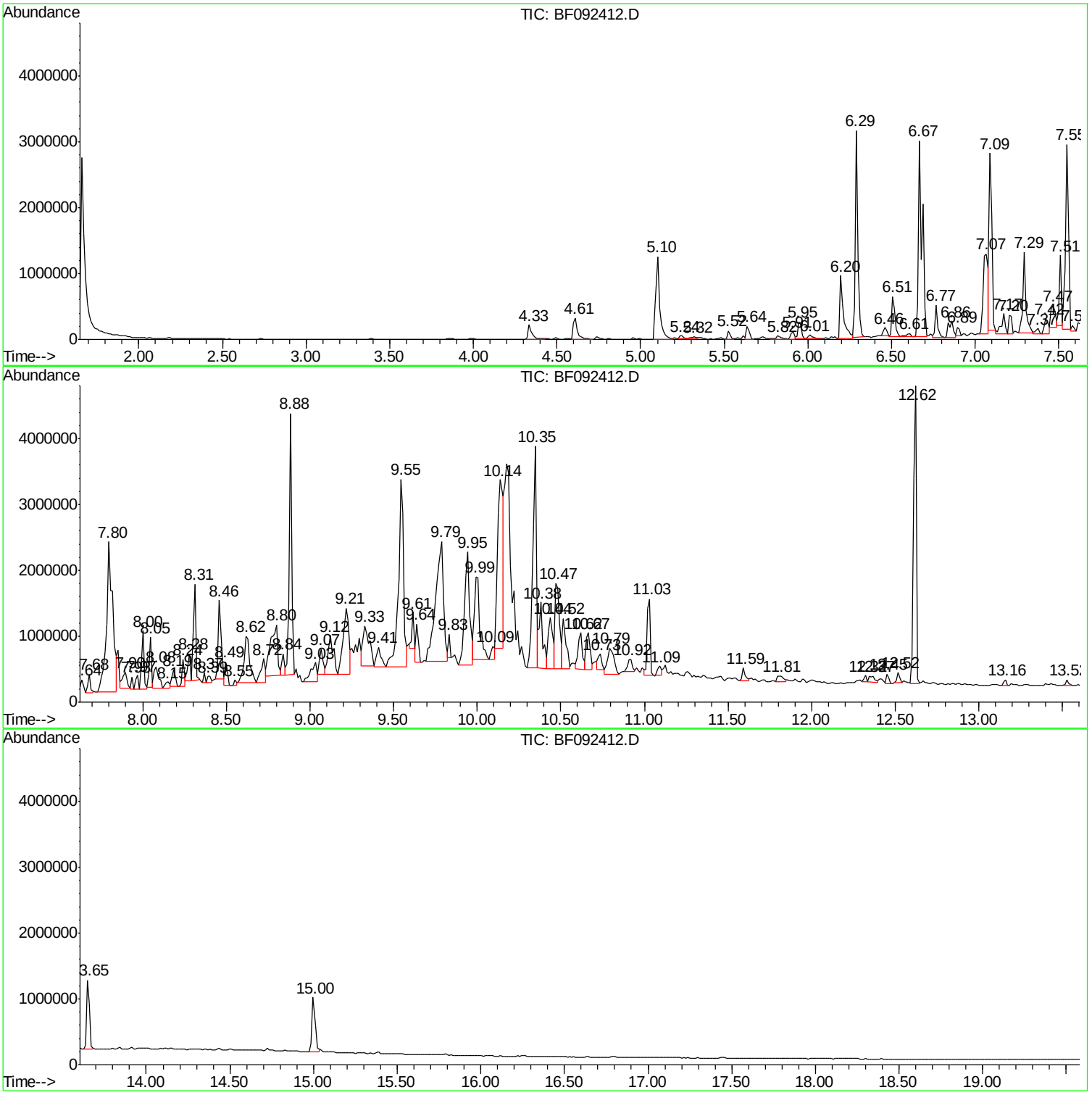
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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\BF012117\
Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

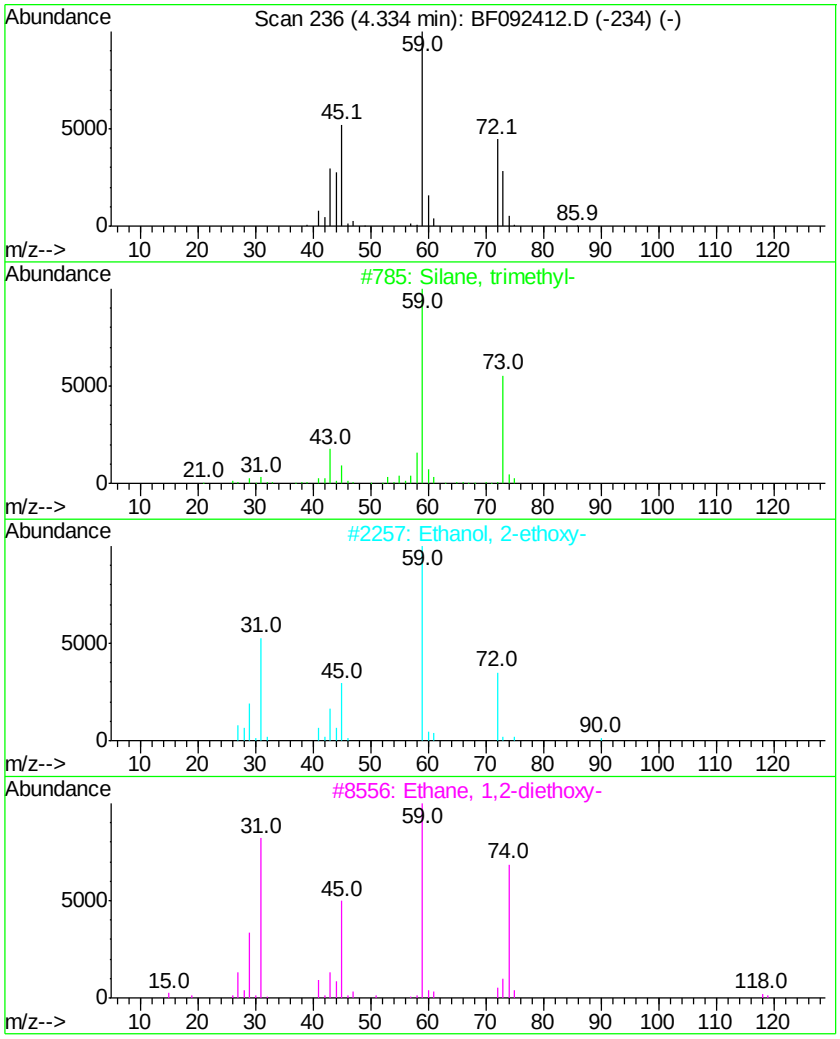
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

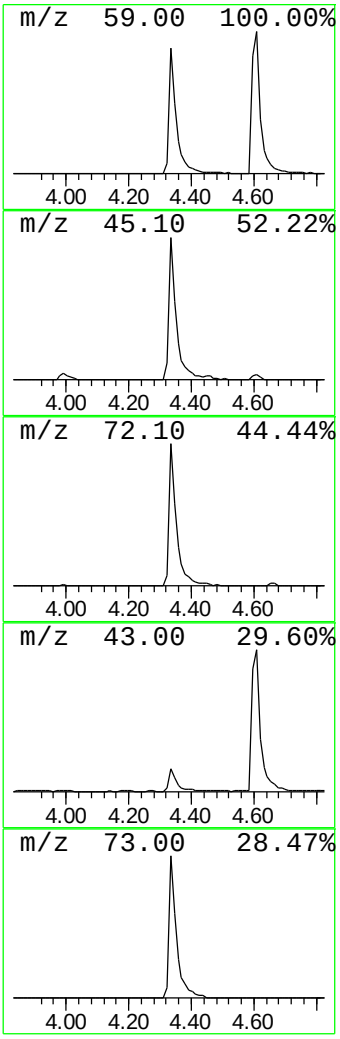
****

Peak Number 1 unknown4.33 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	8.22 ng	343458	1,4-Dichlorobenzene-d4	6.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trimethyl-	74	C3H10Si	000993-07-7	42
2	Ethanol, 2-ethoxy-	90	C4H10O2	000110-80-5	42
3	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	38
4	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9
5	Acetic acid, methoxy-	90	C3H6O3	000625-45-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

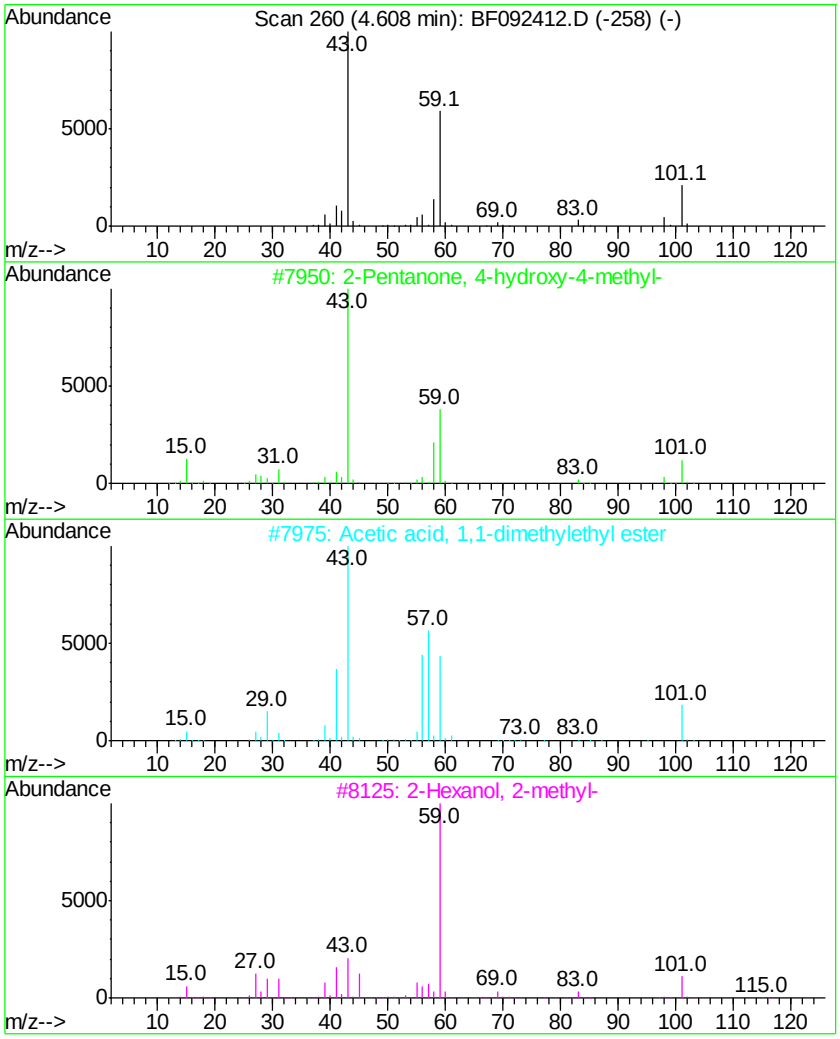
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

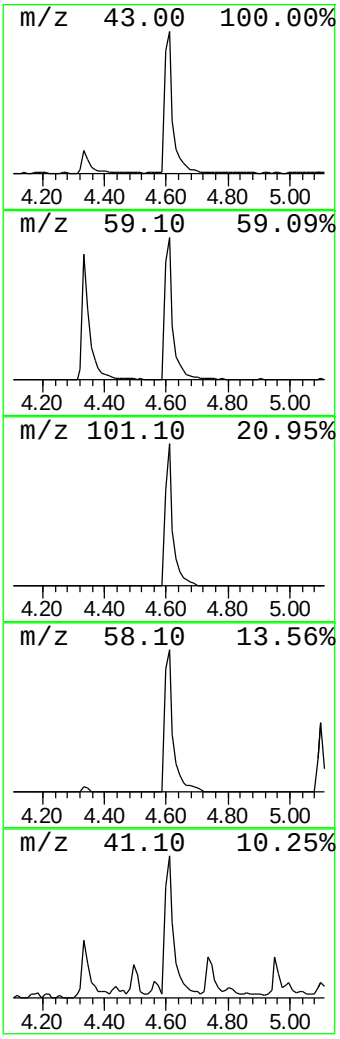
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.61	13.98 ng	584500	1,4-Dichlorobenzene-d4	6.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
4	Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17





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Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

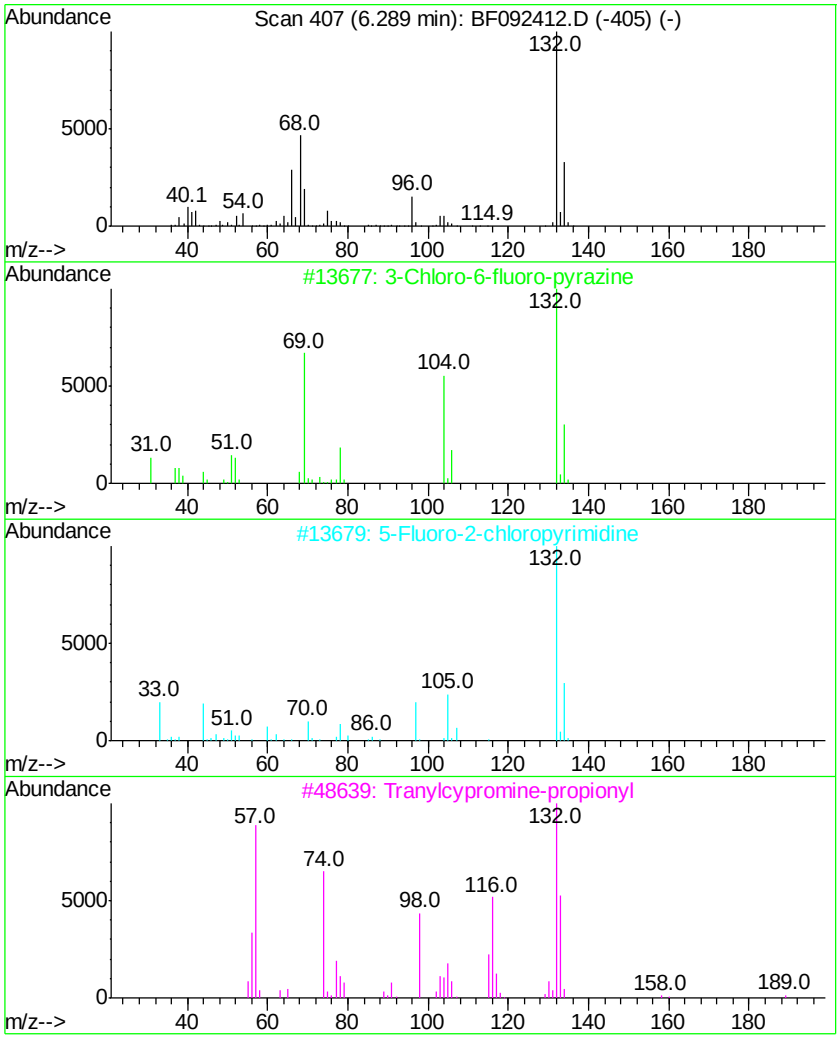
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

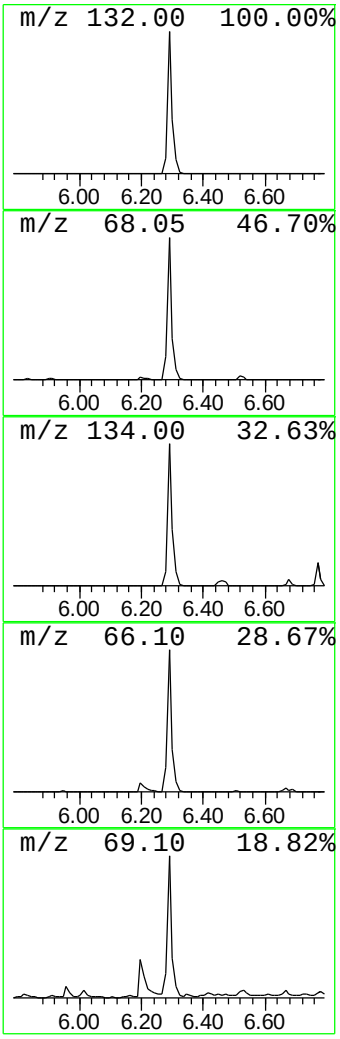
****

Peak Number 4 unknown6.29 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	81.37 ng	3401850	1,4-Dichlorobenzene-d4	6.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Operator : UM/SJ
Sample : I1267-09
Misc :
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Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

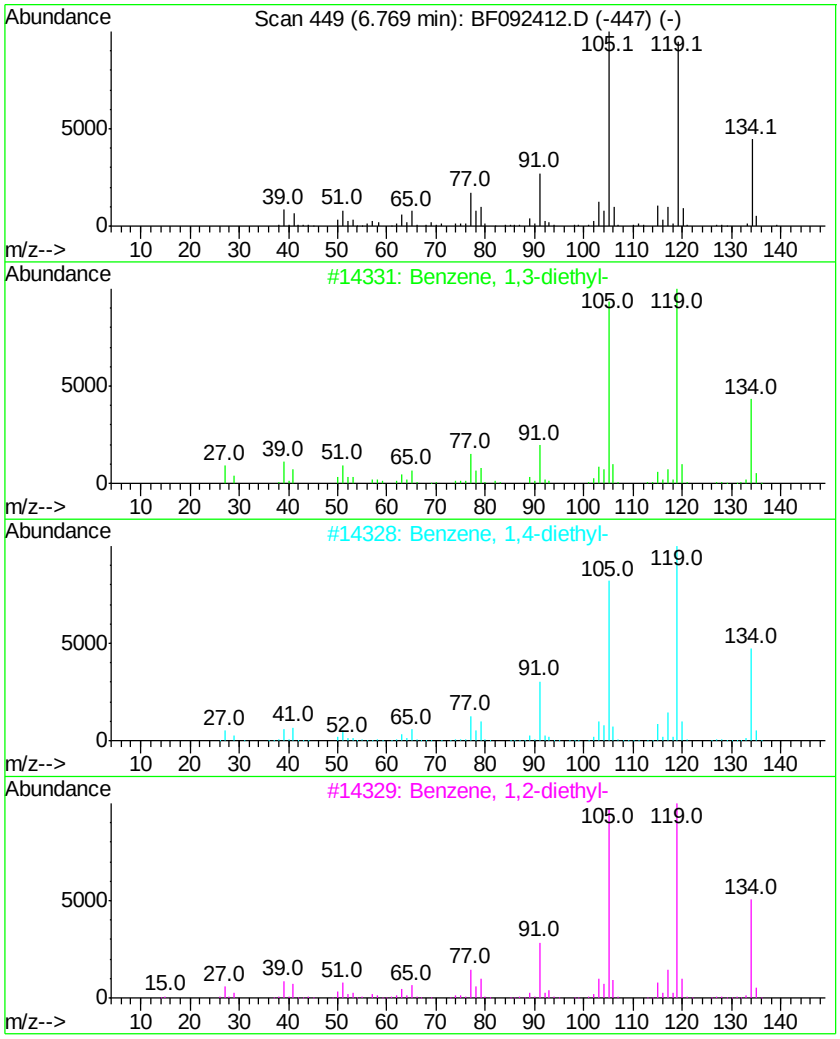
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

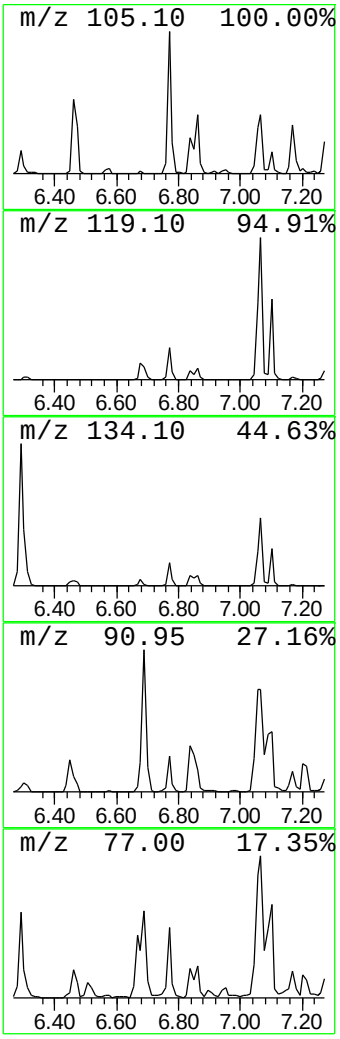
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	11.94 ng	499192	1,4-Dichlorobenzene-d4	6.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
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\BF012117\
Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

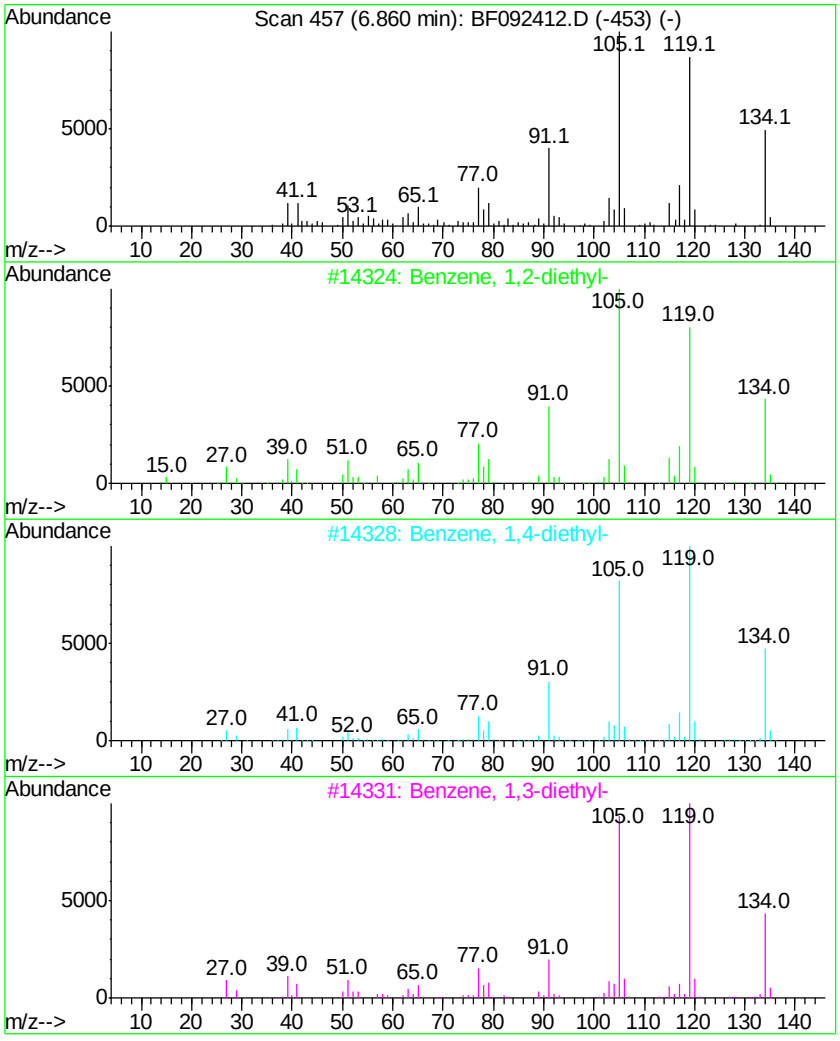
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

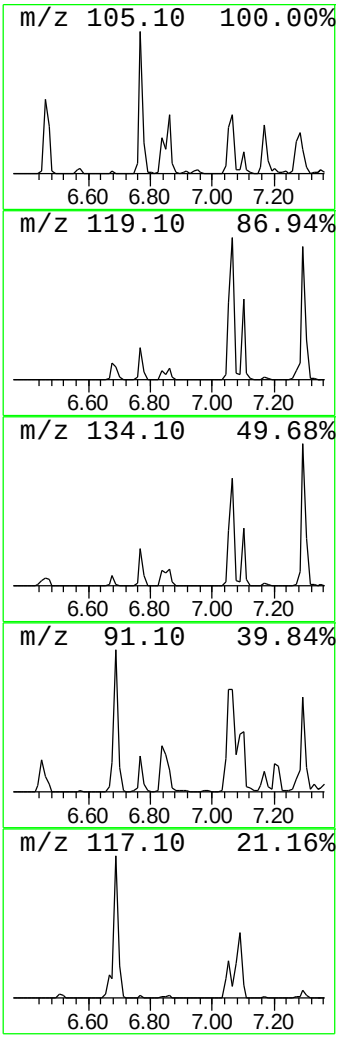
****

Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	12.22 ng	510956	1,4-Dichlorobenzene-d4	6.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	68
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

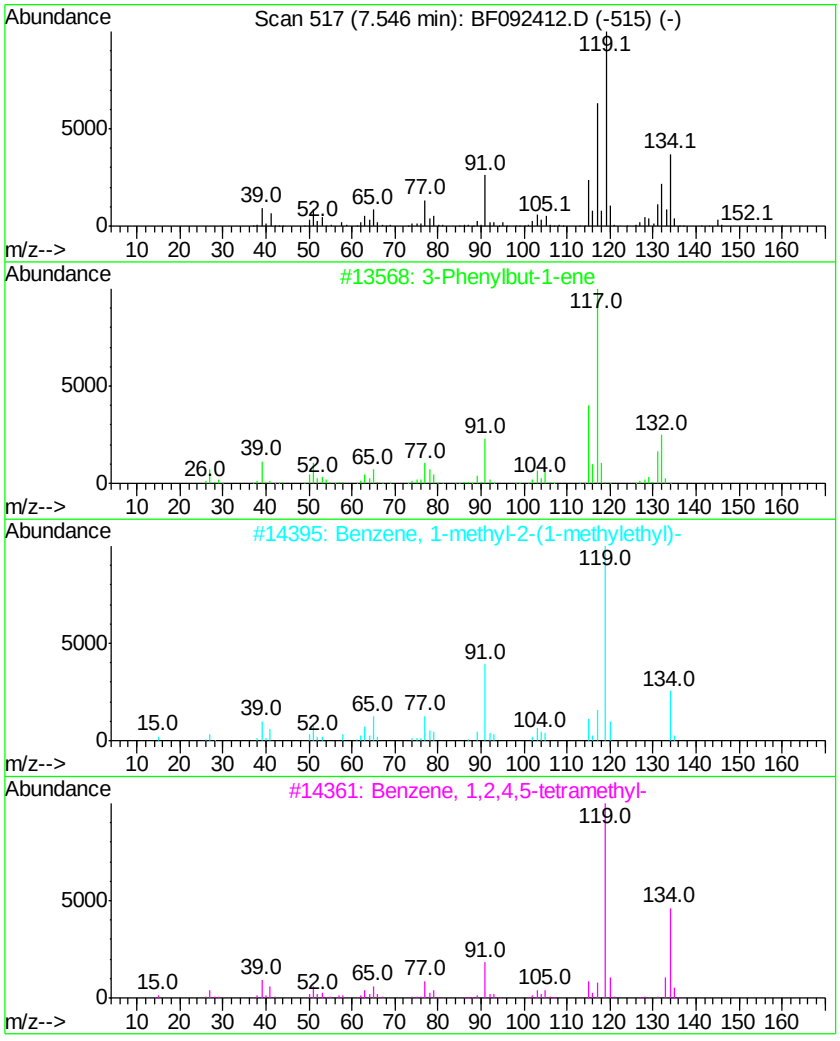
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

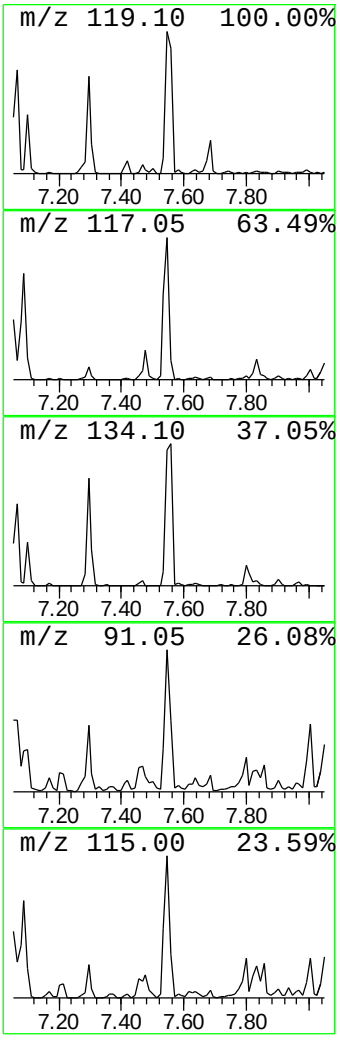
****

Peak Number 8 3-Phenylbut-1-ene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	11.61 ng	3534950	Naphthalene-d8	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	60
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	55
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	53





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Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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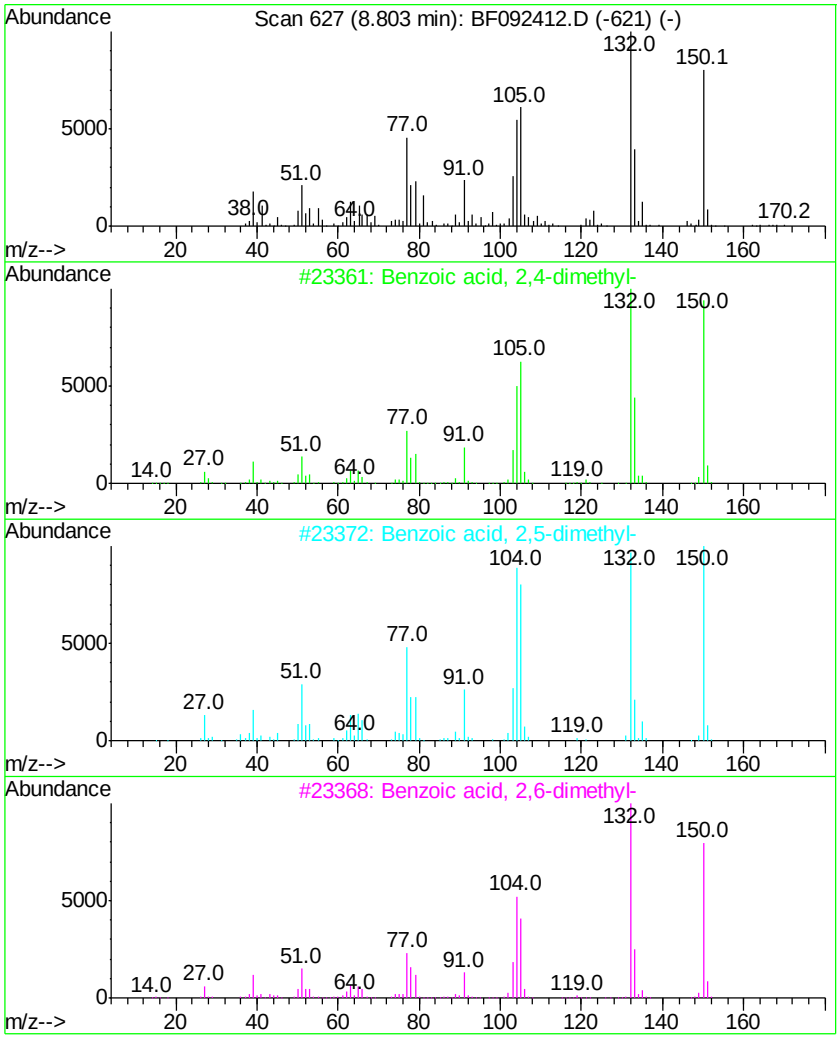
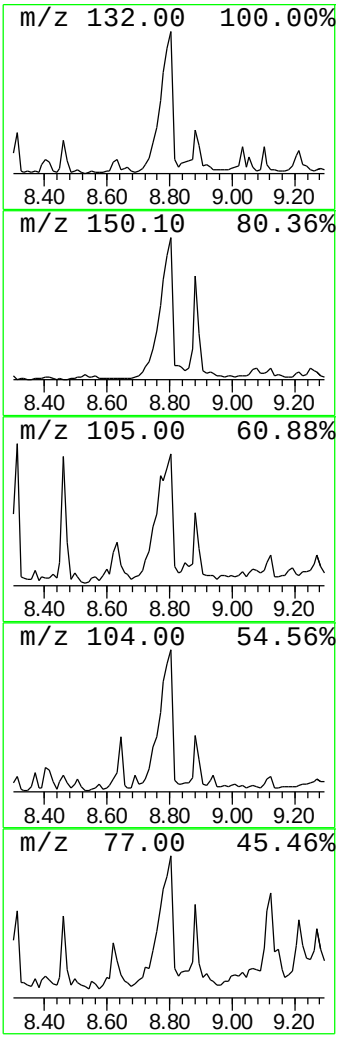
Peak Number 9 Benzoic acid, 2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	7.61 ng	2407650	Acenaphthene-d10	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	95
2	Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	90
3	Benzoic acid, 2,6-dimethyl-	150	C9H10O2	000632-46-2	87
4	Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	62
5	Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	53





Library Search Compound Report

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Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

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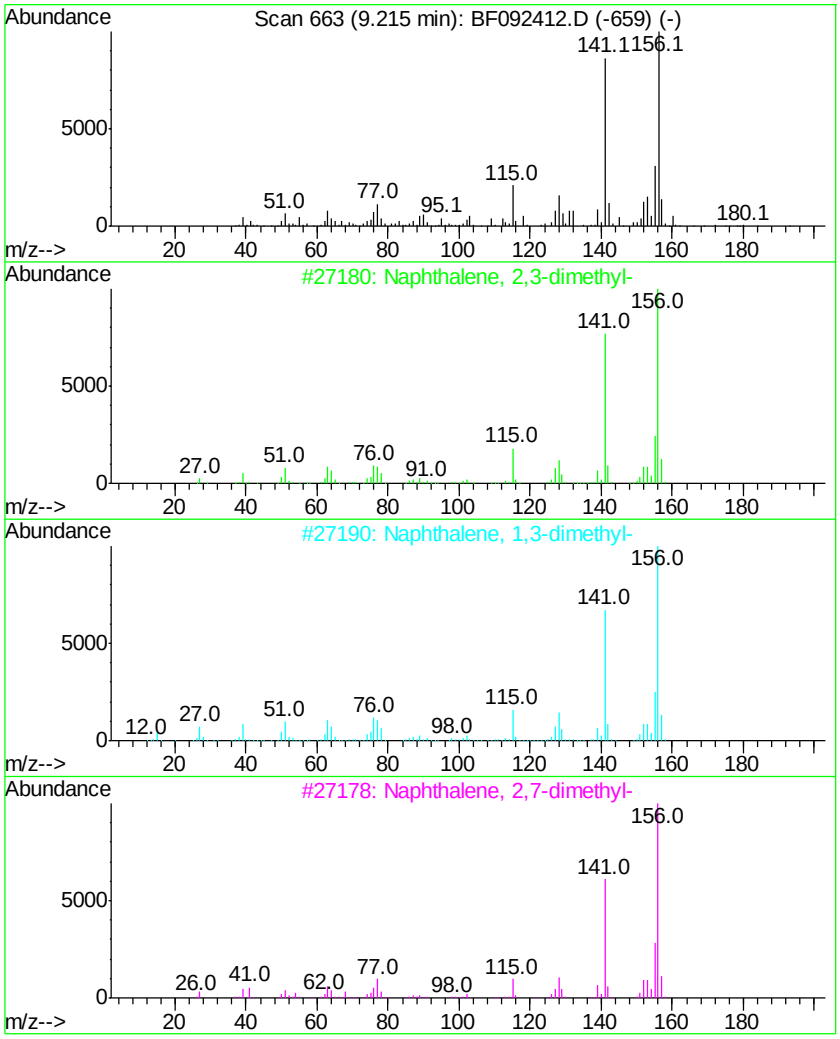
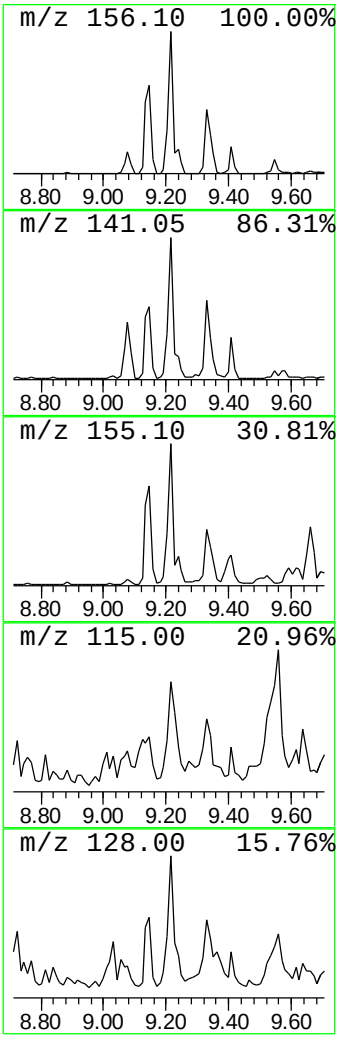
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	7.12 ng	2251730	Acenaphthene-d10	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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TIC Library : C:\DATABASE\NIST02.L
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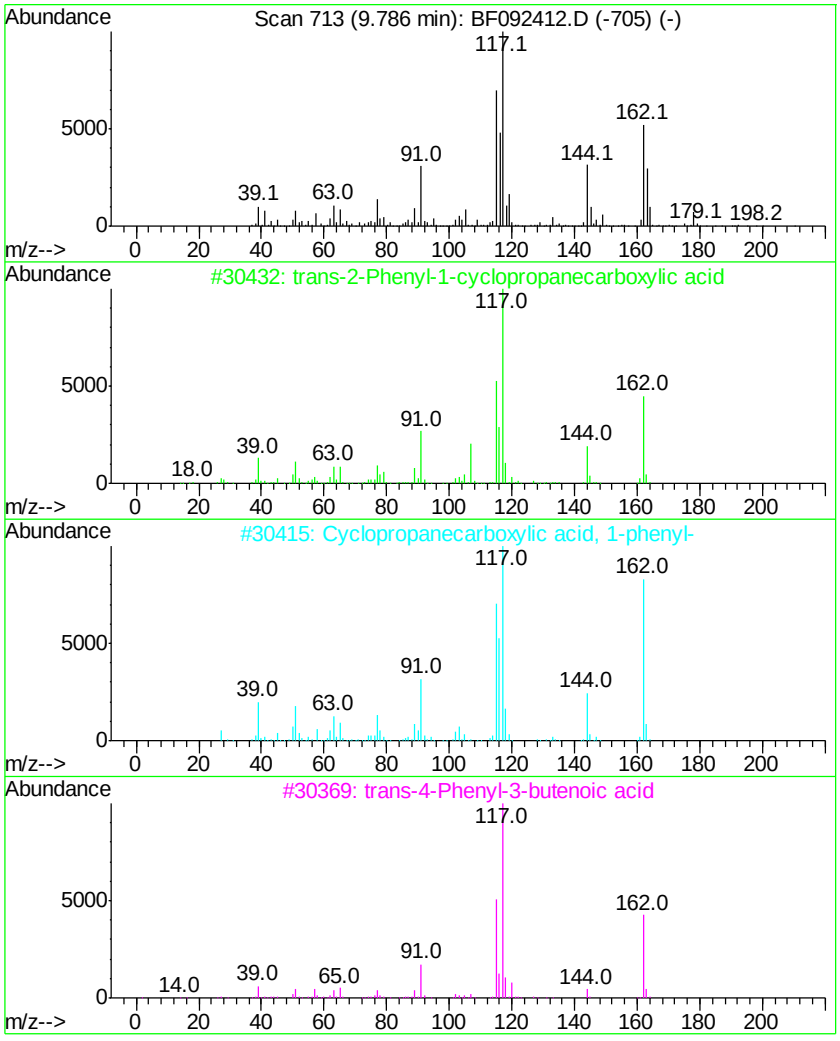
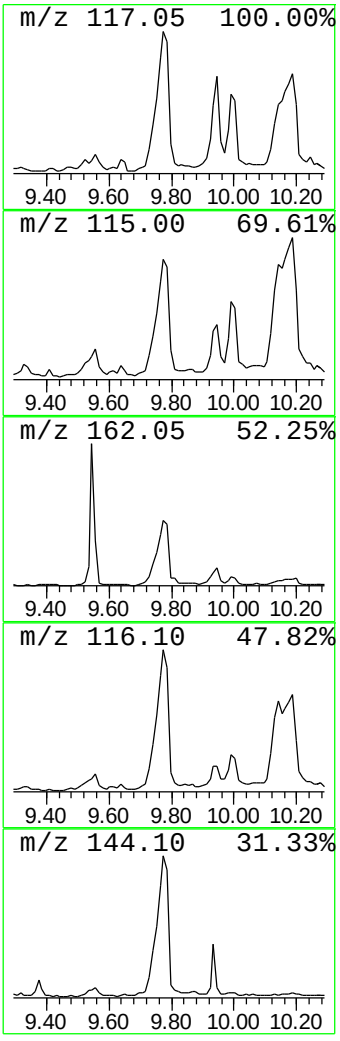
Peak Number 11 trans-2-Phenyl-1-cyclopropa... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	17.73 ng	5607140	Acenaphthene-d10	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	64
2	Cyclopropanecarboxylic acid, 1-p...	162	C10H10O2	006120-95-2	58
3	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	58
4	2-Propenoic acid, 2-methyl-3-phe...	162	C10H10O2	001895-97-2	52
5	Propenoic acid, 3-(cycloheptatri...	176	C11H12O2	1000269-64-5	50





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Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
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TIC Library : C:\DATABASE\NIST02.L
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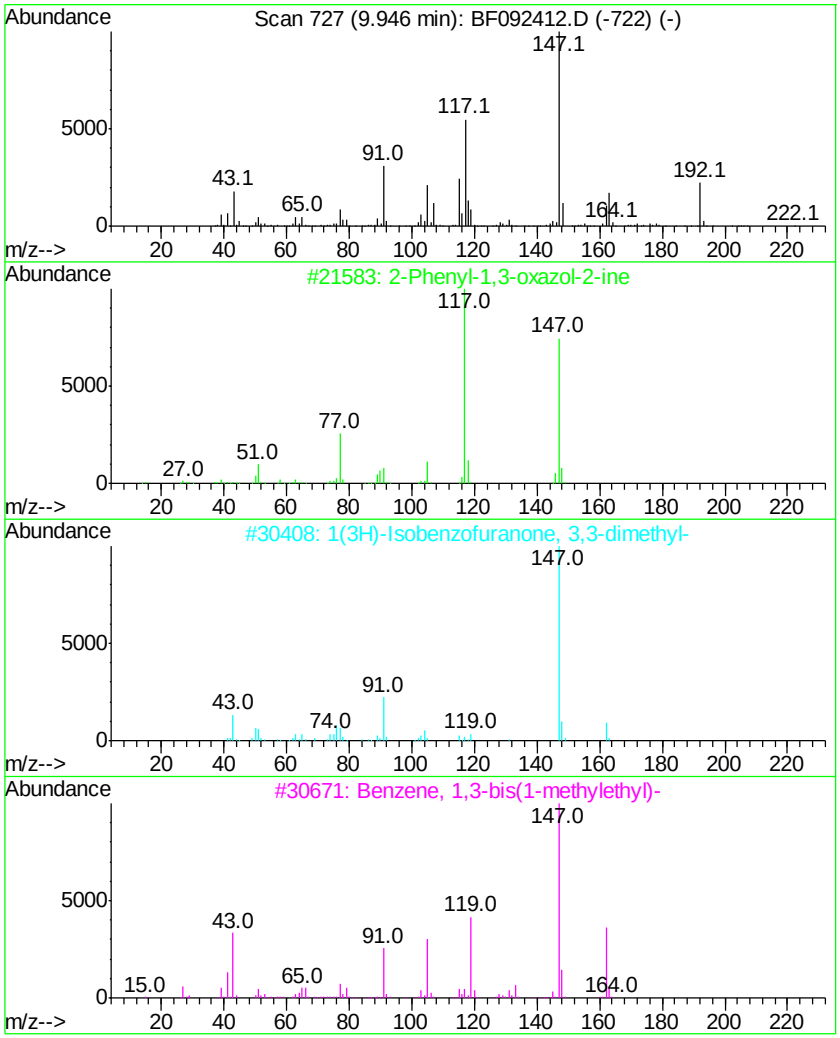
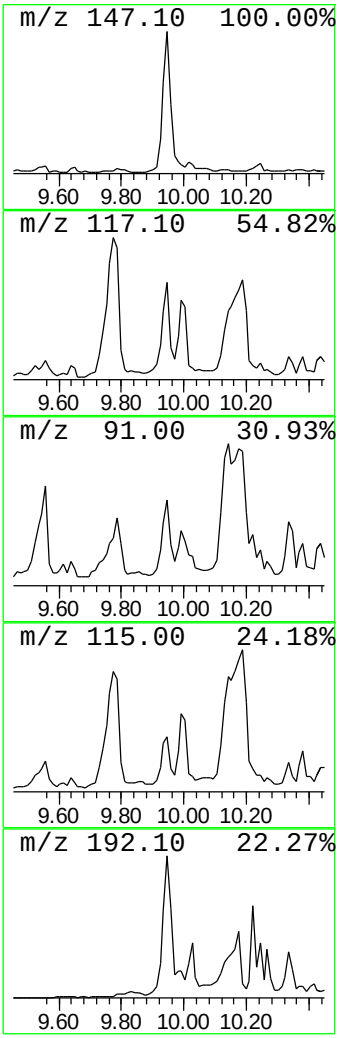
Peak Number 12 unknown9.95 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	11.40 ng	3605200	Acenaphthene-d10	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenyl-1,3-oxazol-2-ine	147	C9H9NO	007127-19-7	47
2	1(3H)-Isobenzofuranone, 3,3-dime...	162	C10H10O2	001689-09-4	38
3	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	38
4	2,2,4,4-Tetramethyl-2,4-disilath...	162	C5H14SSi2	091521-58-3	35
5	Benzoic acid, 4-propyl-, 4-cyano...	283	C17H14FNO2	086776-51-4	35





Library Search Compound Report

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Sample : I1267-09
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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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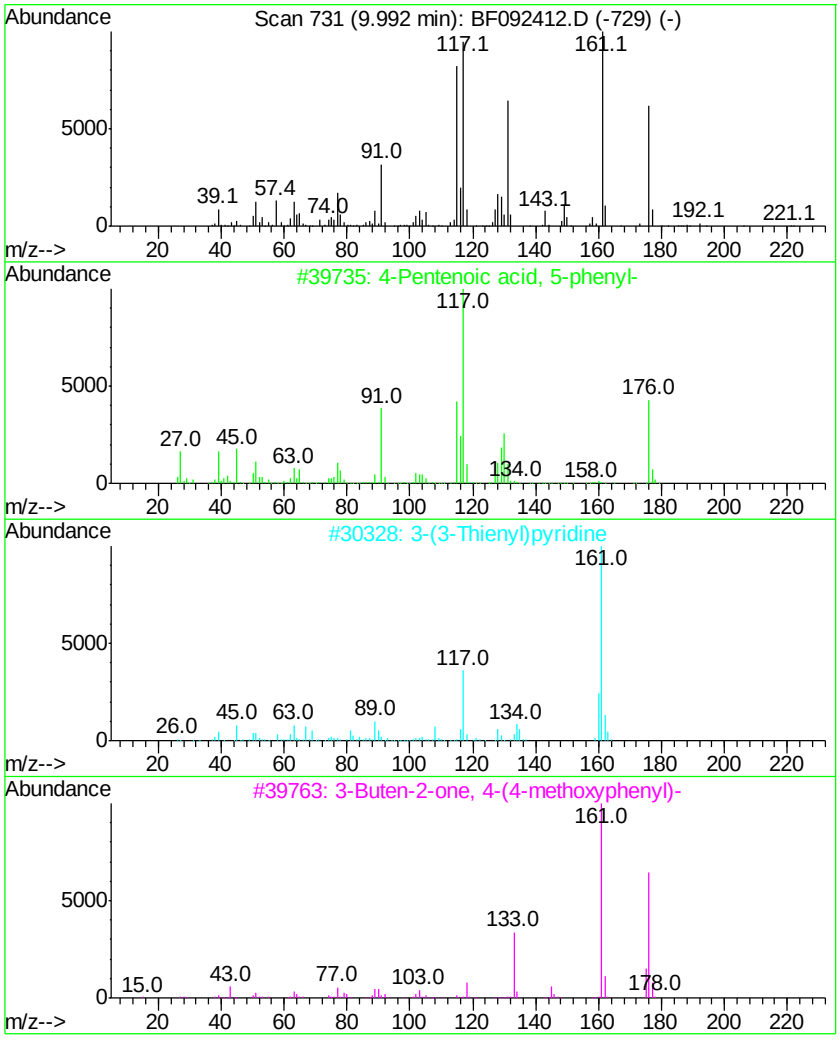
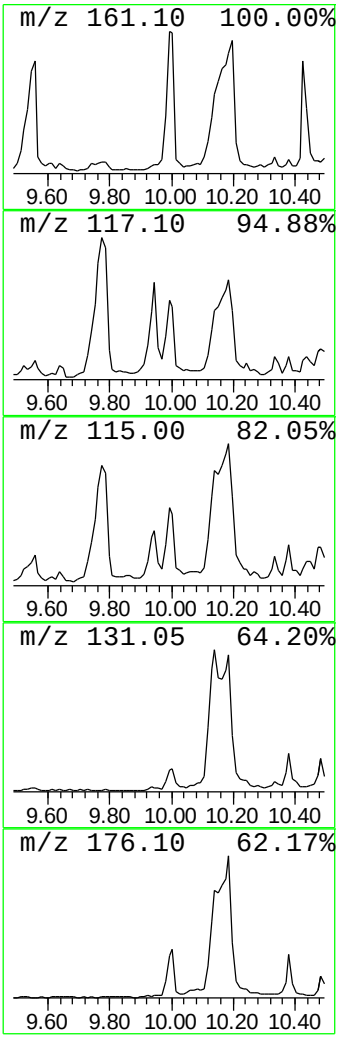
Peak Number 13 unknown9.99 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	9.42 ng	2978060	Acenaphthene-d10	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentenoic acid, 5-phenyl-	176	C11H12O2	028525-69-1	46
2	3-(3-Thienyl)pyridine	161	C9H7NS	021308-81-6	38
3	3-Buten-2-one, 4-(4-methoxyphenyl)-	176	C11H12O2	000943-88-4	30
4	2H-1-Benzopyran-2-one, 3,4-dihyd...	176	C11H12O2	029598-22-9	27
5	Ethanone, 1-benzo(b)thien-3-yl-	176	C10H8OS	001128-05-8	25





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : MW-14

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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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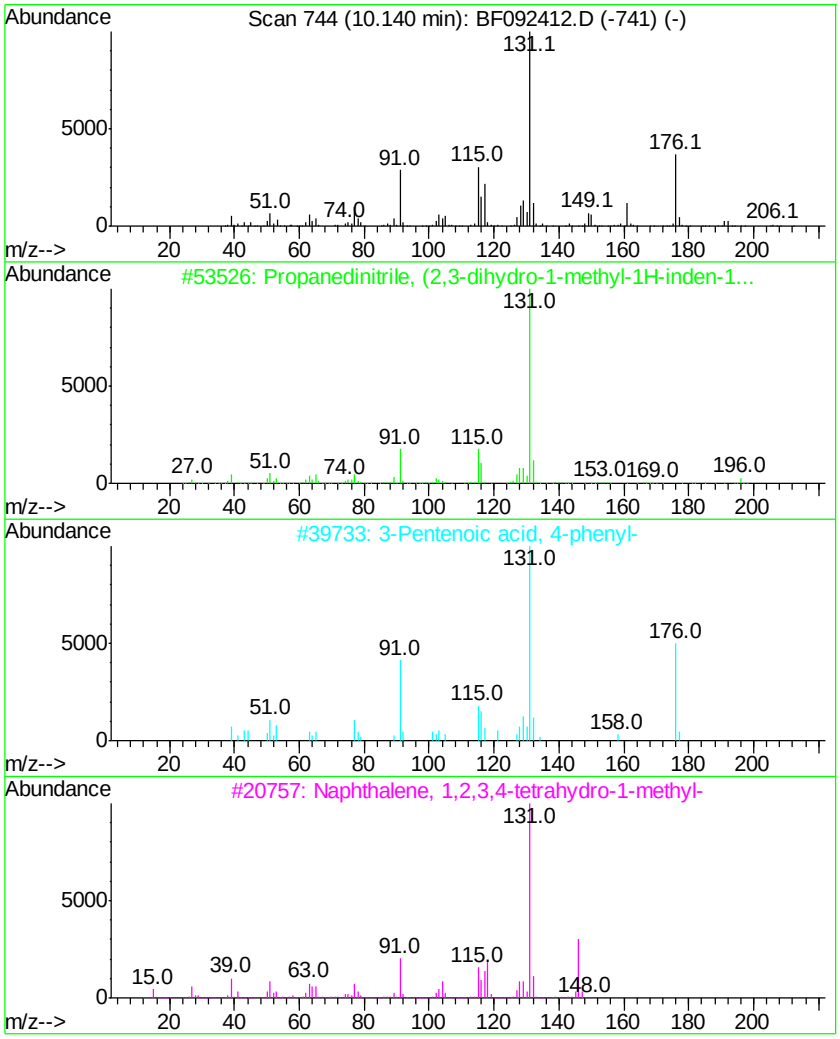
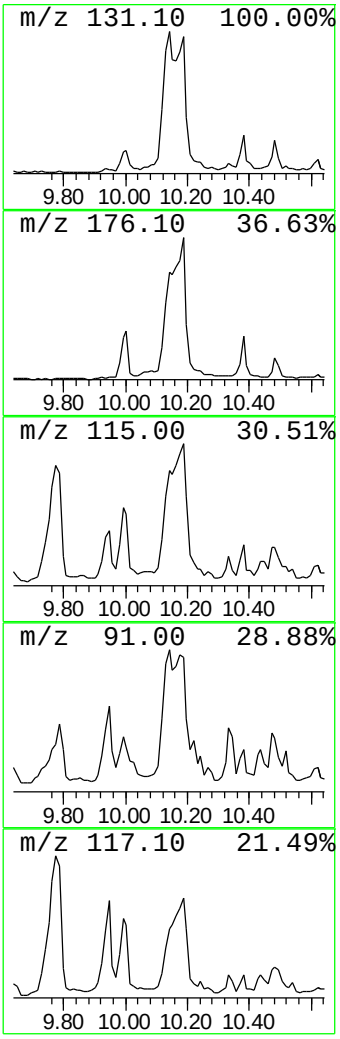
Peak Number 14 Propanedinitrile, (2,3-dihy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	16.87 ng	5334240	Acenaphthene-d10	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedinitrile, (2,3-dihydro-1...	196	C13H12N2	069564-96-1	86
2	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	59
5	Naphthalene, 1-ethyl-1,2,3,4-tet...	160	C12H16	013556-58-6	58





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Sample : I1267-09
Misc :
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Instrument : BNA_F
ClientSampleId : MW-14

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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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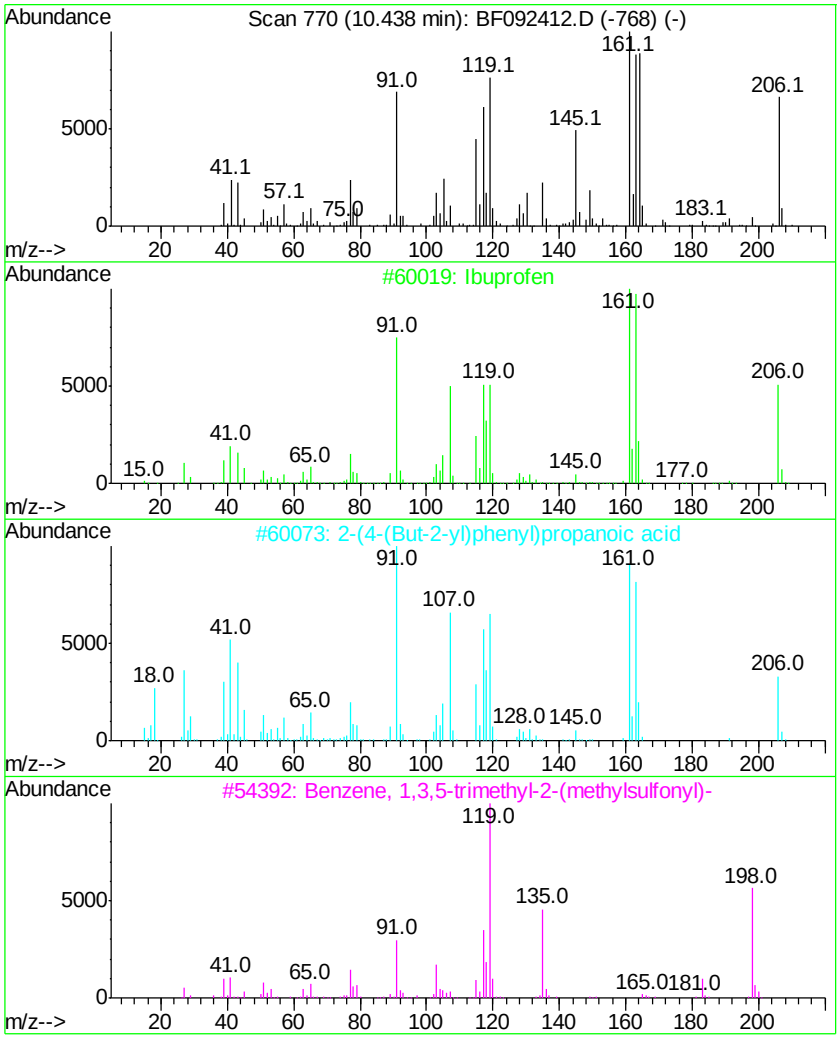
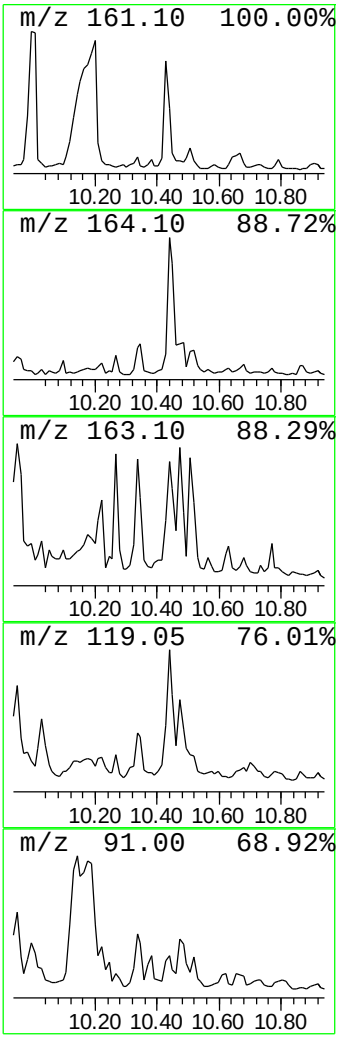
Peak Number 15 Ibuprofen Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	19.89 ng	1558700	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ibuprofen	206	C13H18O2	015687-27-1	83
2	2-(4-(But-2-yl)phenyl)propanoic ...	206	C13H18O2	064451-76-9	64
3	Benzene, 1,3,5-trimethyl-2-(meth...	198	C10H14O2S	006462-31-3	25
4	2,3-Dimethyl-para-anisaldehyde	164	C10H12O2	038998-17-3	18
5	3-Phenylthiolane	164	C10H12S	016766-62-4	18





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ClientSampleId : MW-14

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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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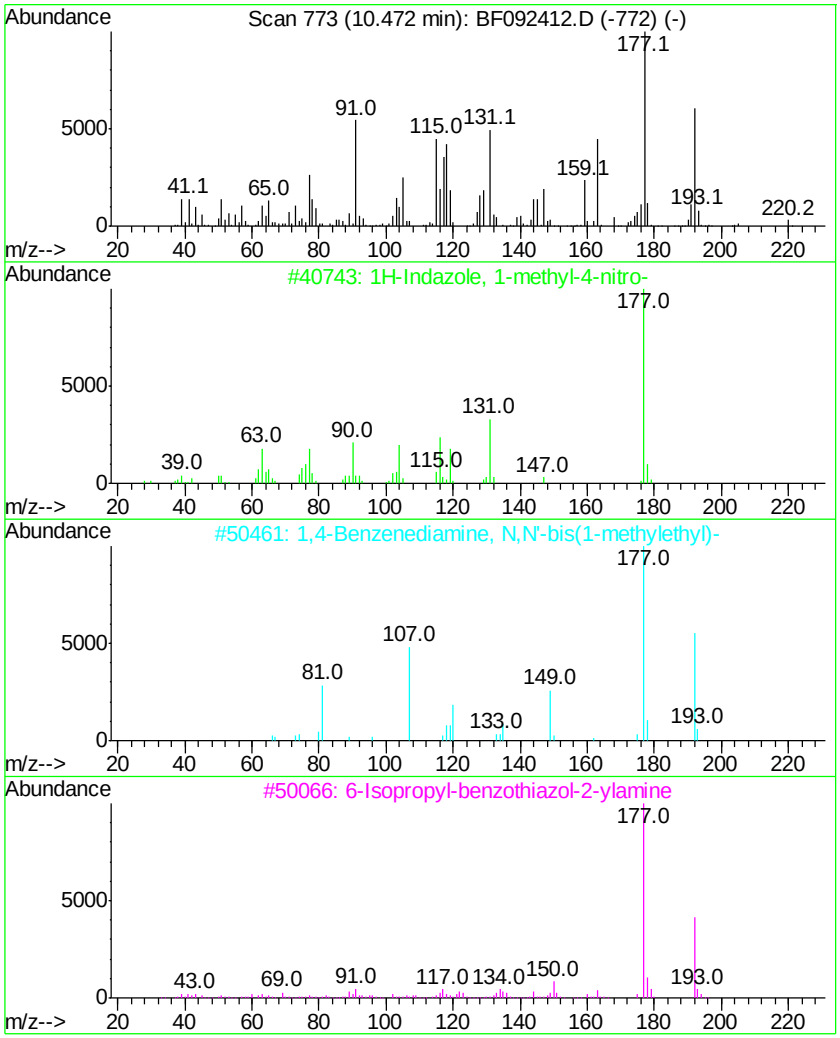
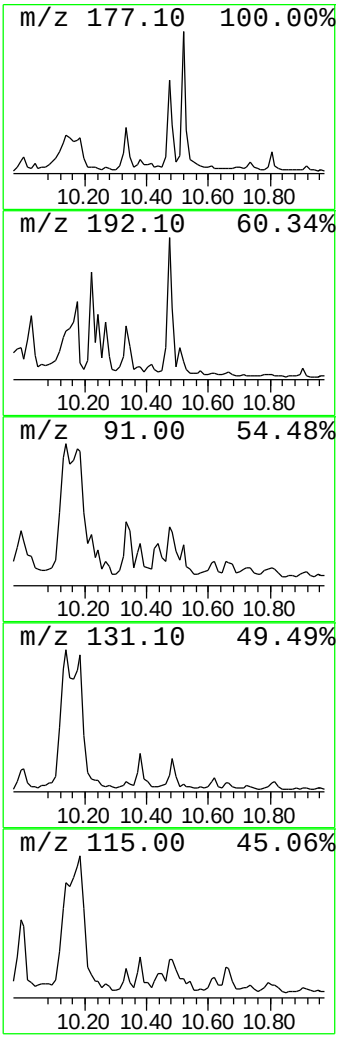
Peak Number 16 unknown10.47 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	31.51 ng	2469520	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indazole, 1-methyl-4-nitro-	177	C8H7N3O2	026120-43-4	30
2	1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	25
3	6-Isopropyl-benzothiazol-2-ylamine	192	C10H12N2S	032895-14-0	25
4	2H-Indazole, 2-methyl-4-nitro-	177	C8H7N3O2	026120-44-5	25
5	1H-Benzimidazole, 1-methyl-5-nitro-	177	C8H7N3O2	005381-78-2	25





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ClientSampleId : MW-14

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TIC Library : C:\DATABASE\NIST02.L
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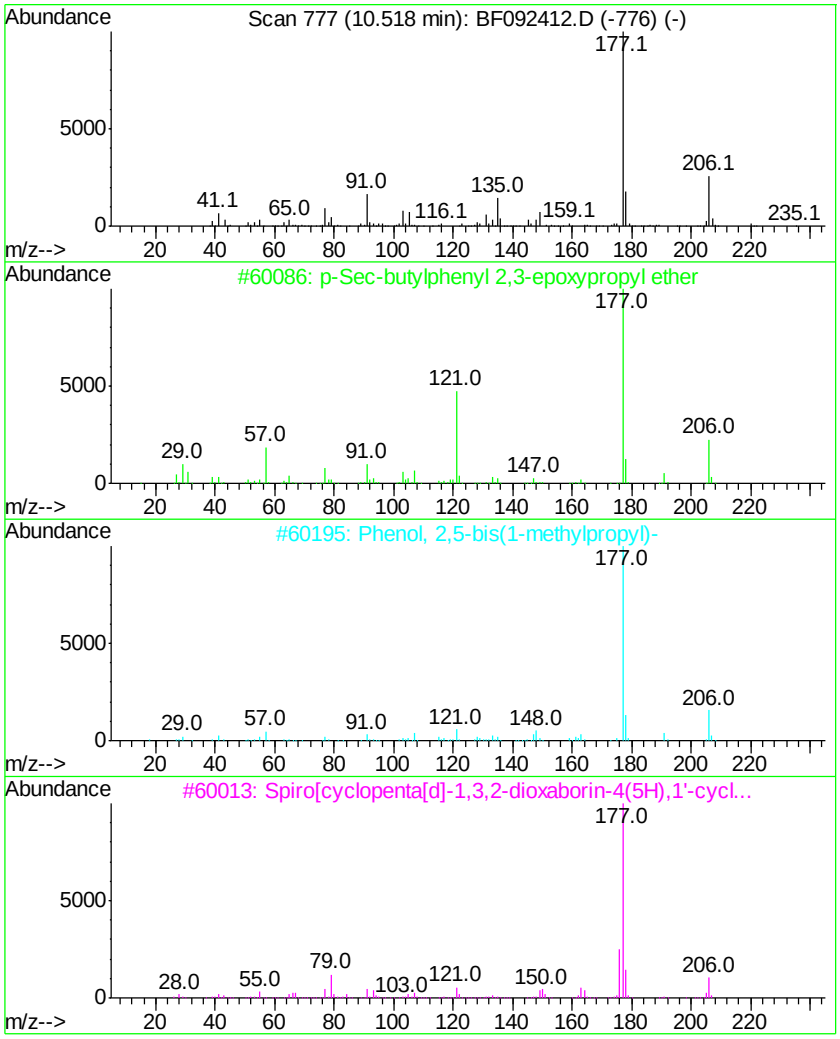
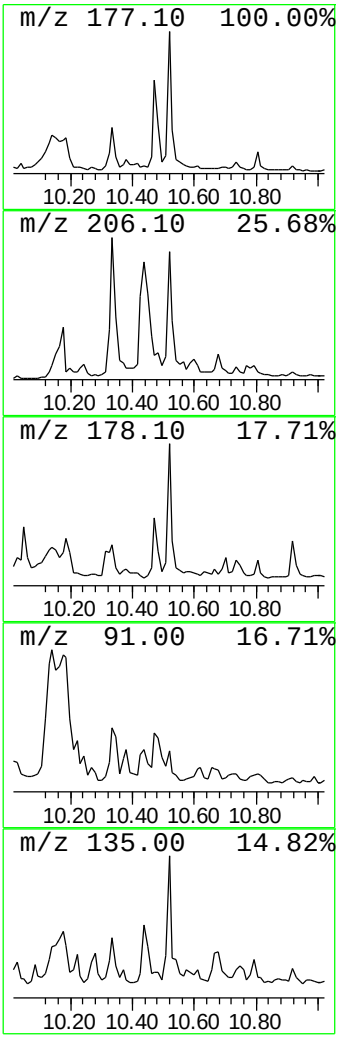
Peak Number 17 p-Sec-butylphenyl 2,3-epoxy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	12.55 ng	983692	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Sec-butylphenyl 2,3-epoxypropy...	206	C13H18O2	067557-76-0	64
2	Phenol, 2,5-bis(1-methylpropyl)-	206	C14H22O	054932-77-3	59
3	Spiro[cyclopenta[d]-1,3,2-dioxab...	206	C12H19BO2	062238-26-0	59
4	Phenol, 2-(1,1-dimethylethyl)-4-...	206	C14H22O	052184-13-1	45
5	Phenol, 2,4-bis(1-methylpropyl)-	206	C14H22O	001849-18-9	45





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ClientSampleId : MW-14

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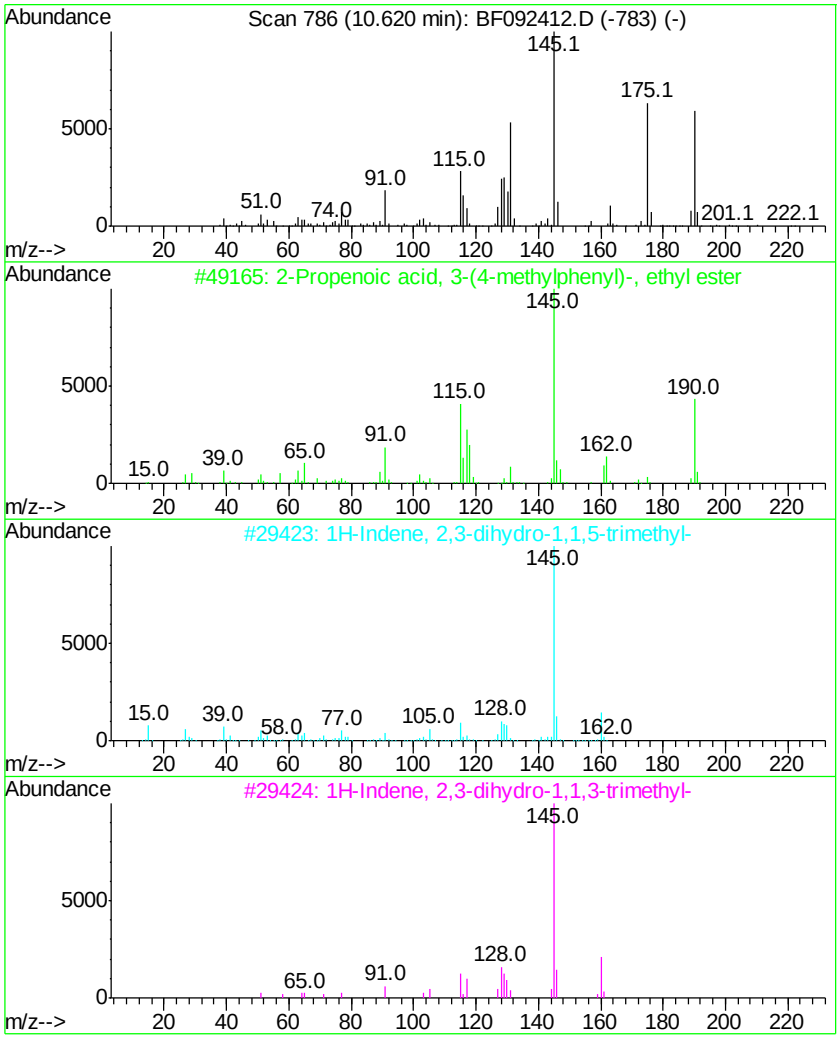
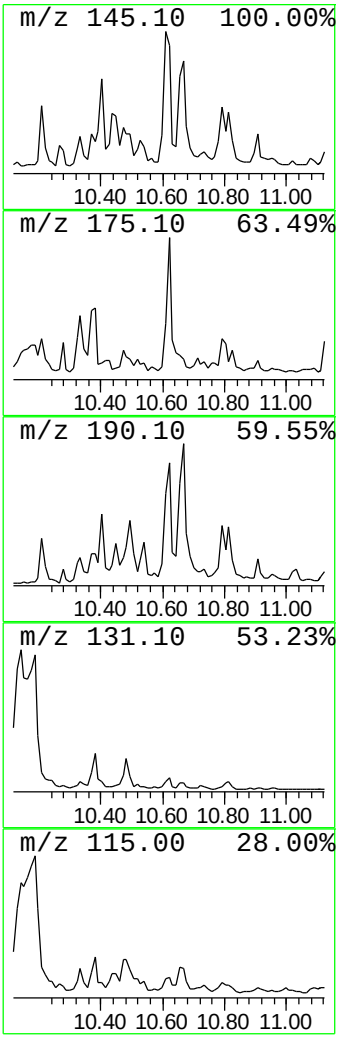
Peak Number 18 unknown10.62 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	12.94 ng	1014330	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 3-(4-methylphe...	190	C12H14O2	020511-20-0	45
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	43
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	43
4	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	38
5	2-Propenoic acid, 3-(3-methylphe...	190	C12H14O2	050556-03-1	38





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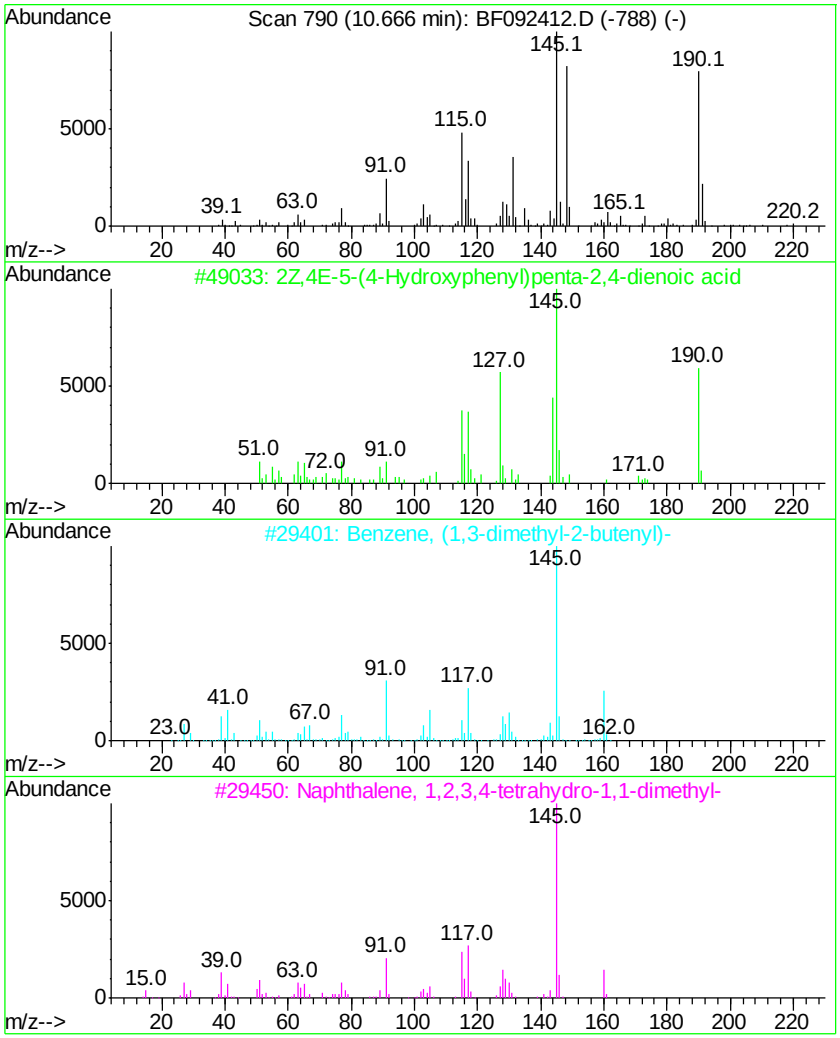
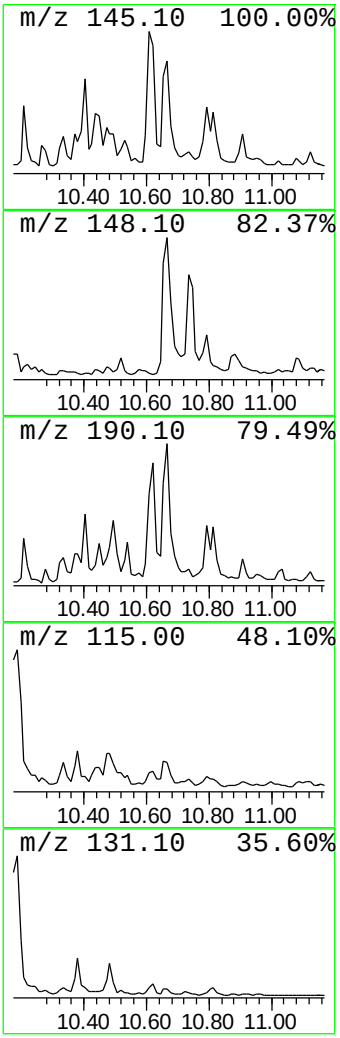
Peak Number 19 unknown10.67 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	12.65 ng	991274	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2Z,4E-5-(4-Hydroxyphenyl)penta-2...	190	C11H10O3	1000137-43-2	47
2	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	35
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	22
4	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	20
5	4-Butylphenyl isothiocyanate	191	C11H13NS	023165-44-8	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

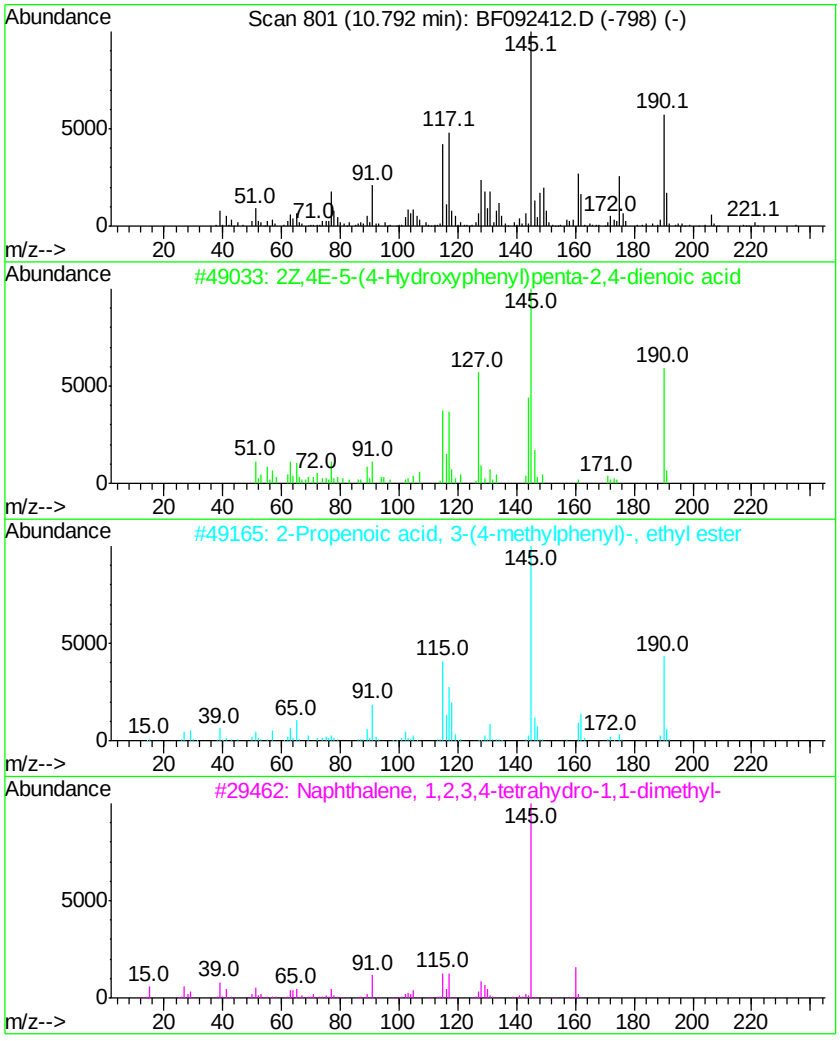
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

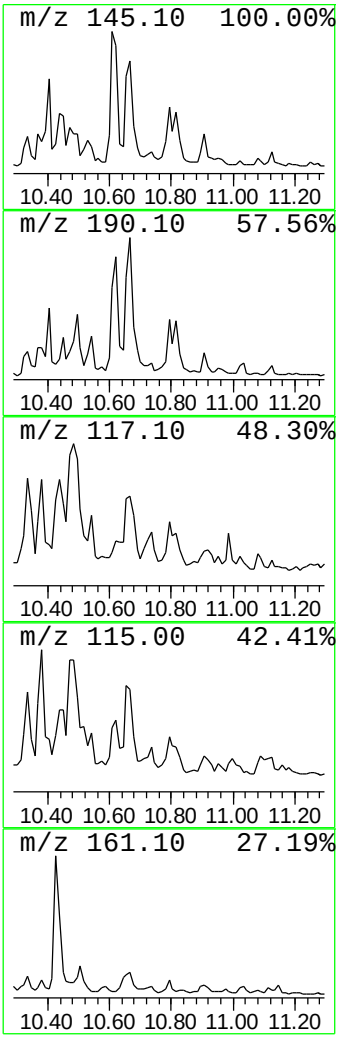
****

Peak Number 20 2Z,4E-5-(4-Hydroxyphenyl)pe... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	13.99 ng	1096680	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2Z,4E-5-(4-Hydroxyphenyl)penta-2...	190	C11H10O3	1000137-43-2	59
2	2-Propenoic acid, 3-(4-methylphe...	190	C12H14O2	020511-20-0	52
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	46
4	2(1H)-Quinolinone	145	C9H7NO	000059-31-4	38
5	2H-1,4-Ethanoquinolin-3(4H)-one	173	C11H11NO	024562-79-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012117\
Data File : BF092412.D
Acq On : 21 Jan 2017 14:54
Operator : UM/SJ
Sample : I1267-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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
unknown4.33	4.33	8.2	ng	343458	1	6.51	836145	20.0
2-Pentanone, 4-hy...	4.61	14.0	ng	584500	1	6.51	836145	20.0
unknown6.29	6.29	81.4	ng	3401850	1	6.51	836145	20.0
Benzene, 1,3-diet...	6.77	11.9	ng	499192	1	6.51	836145	20.0
Benzene, 1,2-diet...	6.86	12.2	ng	510956	1	6.51	836145	20.0
3-Phenylbut-1-ene	7.55	11.6	ng	3534950	2	7.80	6090090	20.0
Benzoic acid, 2,4...	8.80	7.6	ng	2407650	3	9.55	6324390	20.0
Naphthalene, 2,3-...	9.21	7.1	ng	2251730	3	9.55	6324390	20.0
trans-2-Phenyl-1-...	9.79	17.7	ng	5607140	3	9.55	6324390	20.0
unknown9.95	9.95	11.4	ng	3605200	3	9.55	6324390	20.0
unknown9.99	9.99	9.4	ng	2978060	3	9.55	6324390	20.0
Propanedinitrile,...	10.14	16.9	ng	5334240	3	9.55	6324390	20.0
Ibuprofen	10.44	19.9	ng	1558700	4	11.03	1567450	20.0
unknown10.47	10.47	31.5	ng	2469520	4	11.03	1567450	20.0
p-Sec-butylphenyl...	10.52	12.6	ng	983692	4	11.03	1567450	20.0
unknown10.62	10.62	12.9	ng	1014330	4	11.03	1567450	20.0
unknown10.67	10.67	12.7	ng	991274	4	11.03	1567450	20.0
2Z,4E-5-(4-Hydrox...	10.79	14.0	ng	1096680	4	11.03	1567450	20.0