LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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	1.970	14	16	26	rVB2	31184	114261	1.98%	0.142%
2	3.456	142	146	152	rBV	44258	102819	1.78%	0.128%
3	3.741	168	171	175	rBV	36453	71251	1.23%	0.088%
4	4.621	245	248	257	rBV	368030	554940	9.61%	0.688%
5	5.113	289	291	304	rBV	1275771	2218250	38.41%	2.751%
6	5.387	311	315	323	rVB2	62925	132577	2.30%	0.164%
7	5.639	333	337	340	rBV	36089	67911	1.18%	0.084%
8	5.707	340	343	345	rVB2	43515	64761	1.12%	0.080%
9	6.210	384	387	393	rBV	821641	1227435	21.25%	1.522%
10	6.302	393	395	397	rVV	3002642	3591594	62.19%	4.454%
11	6.347	397	399	400	rVB	256285	278480	4.82%	0.345%
12	6.519	412	414	417	rBV	812678	814135	14.10%	1.010%
13	6.599	417	421	425	rVV	69909	76425	1.32%	0.095%
14	6.679	425	428	430	rVV	2945624	2777039	48.09%	3.444%
15	6.713	430	431	434	rVV3	110631	146321	2.53%	0.181%
16	6.782	434	437	441	rVB3	35101	95475	1.65%	0.118%
17	6.884	444	446	449	rVB2	52453	77493	1.34%	0.096%
18	6.976	449	454	456	rBV3	32685	70421	1.22%	0.087%
19	7.102	462	465	467	rBV	2573579	2785031	48.23%	3.454%
20	7.239	473	477	481	rBV3	85963	192987	3.34%	0.239%
21	7.330	481	485	487	rBV4	82726	177263	3.07%	0.220%
22	7.376	487	489	491	rBV2	88423	138180	2.39%	0.171%
23	7.456	494	496	498	rVB2	57704	67393	1.17%	0.084%
24	7.513	498	501	503	rBV	79028	124093	2.15%	0.154%
25	7.605	507	509	511	rBV	264818	231435	4.01%	0.287%
26	7.639	511	512	513	rBV	83522	79505	1.38%	0.099%
27	7.730	518	520	521	rVV2	128076	165074	2.86%	0.205%
28	7.765	521	523	525	rVV	82865	122863	2.13%	0.152%
29	7.810	525	527	530	rVV	1605457	1437645	24.89%	1.783%
30	7.867	530	532	537	rVB4	66236	100913	1.75%	0.125%
31	7.959	539	540	543	rVB3	73204	90035	1.56%	0.112%
32	8.039	545	547	551	rVB	408974	602306	10.43%	0.747%
33	8.119	551	554	556	rBV2	59024	100840	1.75%	0.125%
34	8.176	556	559	560	rBV2	52883	82769	1.43%	0.103%

LSC Area Percent Report

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Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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	8.222	560	563	565	rBV3	124596	257629	4.46%	0.319%
36	8.290	566	569	571	rVV2	135679	258521	4.48%	0.321%
37	8.325	571	572	574	rVV2	67324	119312	2.07%	0.148%
38	8.416	578	580	582	rBV2	132100	226827	3.93%	0.281%
39	8.542	589	591	593	rBV3	91153	150758	2.61%	0.187%
40	8.645	597	600	602	rBV2	120293	174176	3.02%	0.216%
41	8.702	602	605	607	rVV	330633	409650	7.09%	0.508%
42	8.839	613	617	619	rBV2	851961	1329939	23.03%	1.649%
43	8.896	619	622	624	rVB	5516335	5739221	99.38%	7.117%
44	8.965	624	628	632	rVB3	161653	316511	5.48%	0.393%
45	9.045	633	635	640	rVB5	130929	262139	4.54%	0.325%
46	9.159	643	645	647	rBV2	102553	153136	2.65%	0.190%
47	9.239	650	652	653	rBV	402171	464570	8.04%	0.576%
48	9.296	653	657	660	rVV	1488681	2780422	48.15%	3.448%
49	9.376	660	664	667	rVB3	623624	1437758	24.90%	1.783%
50	9.559	677	680	682	rVB	1404576	1244836	21.56%	1.544%
51	9.662	686	689	691	rBV	609814	601978	10.42%	0.747%
52	9.708	691	693	695	rBV2	98641	211485	3.66%	0.262%
53	9.742	695	696	697	rBV	621700	743074	12.87%	0.922%
54	9.776	697	699	702	rVV2	633206	1329808	23.03%	1.649%
55	9.868	705	707	709	rVB	722953	1065546	18.45%	1.321%
56	9.948	711	714	717	rVB	278900	495311	8.58%	0.614%
57	10.005	717	719	720	rVB2	97852	123036	2.13%	0.153%
58	10.028	720	721	723	rBV2	144314	277050	4.80%	0.344%
59	10.085	724	726	727	rVB	457781	406960	7.05%	0.505%
60	10.119	727	729	731	rVB2	184089	232519	4.03%	0.288%
61	10.165	731	733	735	rBV	699303	842135	14.58%	1.044%
62	10.199	735	736	740	rVB3	292140	427849	7.41%	0.531%
63	10.290	741	744	746	rBV	589612	736909	12.76%	0.914%
64	10.348	746	749	752	rVB2	1930093	3001313	51.97%	3.722%
65	10.405	752	754	756	rVB	557205	596058	10.32%	0.739%
66	10.485	758	761	763	rBV4	375990	869891	15.06%	1.079%
67	10.633	769	774	778	rBV4	1760719	4304831	74.54%	5.339%
68	10.702	778	780	781	rVV	250725	352893	6.11%	0.438%
69	10.748	782	784	785	rVV	676967	678613	11.75%	0.842%
70	10.793	785	788	790	rVV2	591412	933033	16.16%	1.157%
71	10.896	795	797	800	rVV3	611308	1272678	22.04%	1.578%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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

72	10.976	801	804	805	rVV2	662590	1043913	18.08%	1.295%
73	11.045	805	810	814	rVV3	1095733	3945930	68.33%	4.894%
74	11.159	818	820	825	rVV4	817568	2284991	39.57%	2.834%
75	11.239	825	827	828	rVB2	253205	319155	5.53%	0.396%
76	11.376	834	839	841	rBV2	907544	2188232	37.89%	2.714%
77	11.468	845	847	849	rVV2	520045	908921	15.74%	1.127%
78	11.525	849	852	860	rVB3	603969	2074062	35.91%	2.572%
79	11.731	867	870	873	rBV	832173	1619952	28.05%	2.009%
80	11.845	878	880	882	rVB	447553	657341	11.38%	0.815%
81	12.062	896	899	900	rBV2	542071	1105594	19.14%	1.371%
82	12.634	946	949	950	rBV	3019918	3457155	59.86%	4.287%
83	12.725	950	957	971	rVB	800465	5774982	100.00%	7.162%
84	13.674	1038	1040	1043	rVB	802378	785227	13.60%	0.974%
85	15.022	1156	1158	1164	rVB	516862	661684	11.46%	0.821%

Sum of corrected areas: 80635434

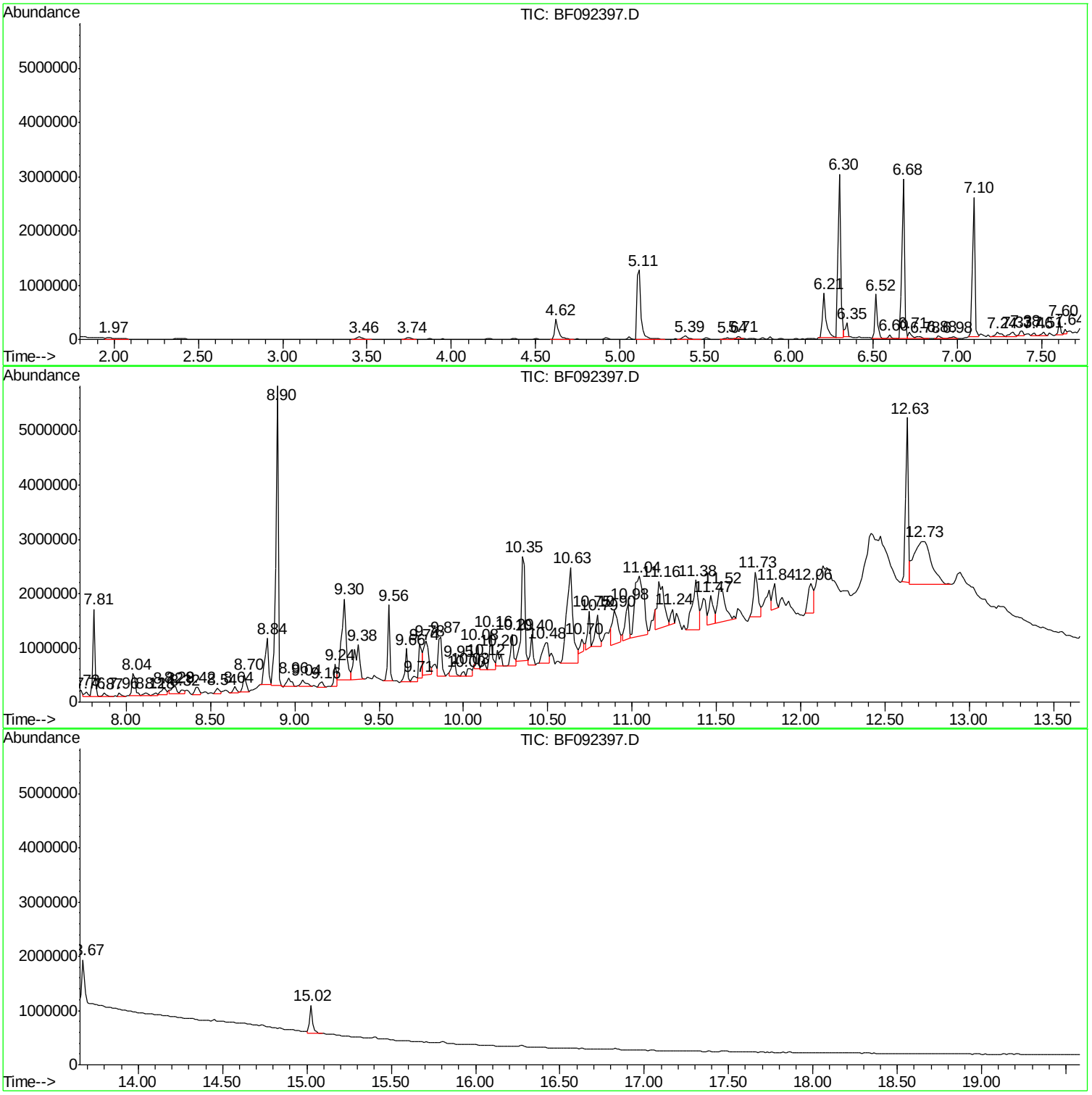
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

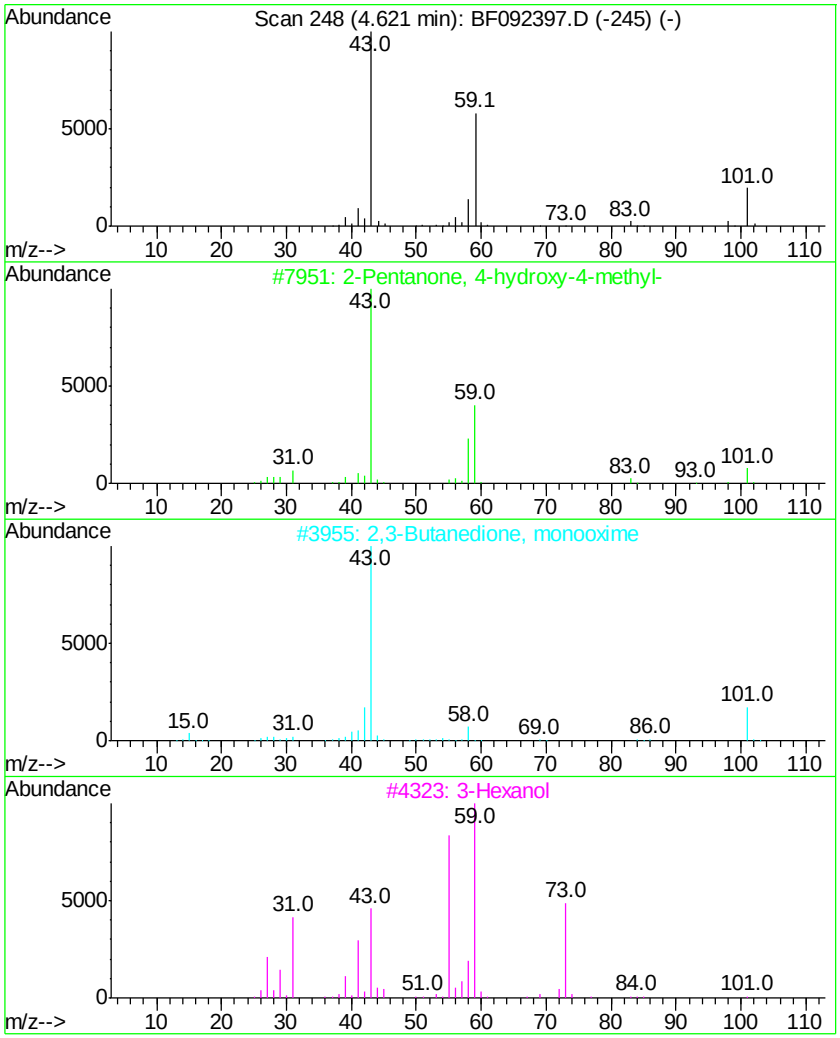
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

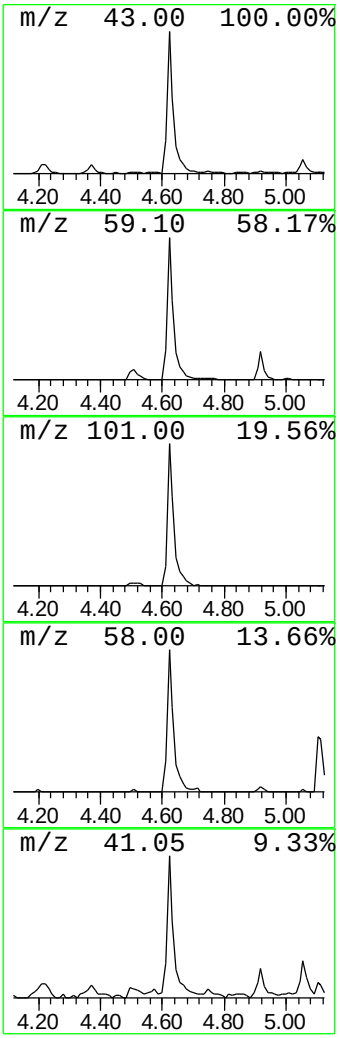
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	13.63 ng	554940	1,4-Dichlorobenzene-d4	6.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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

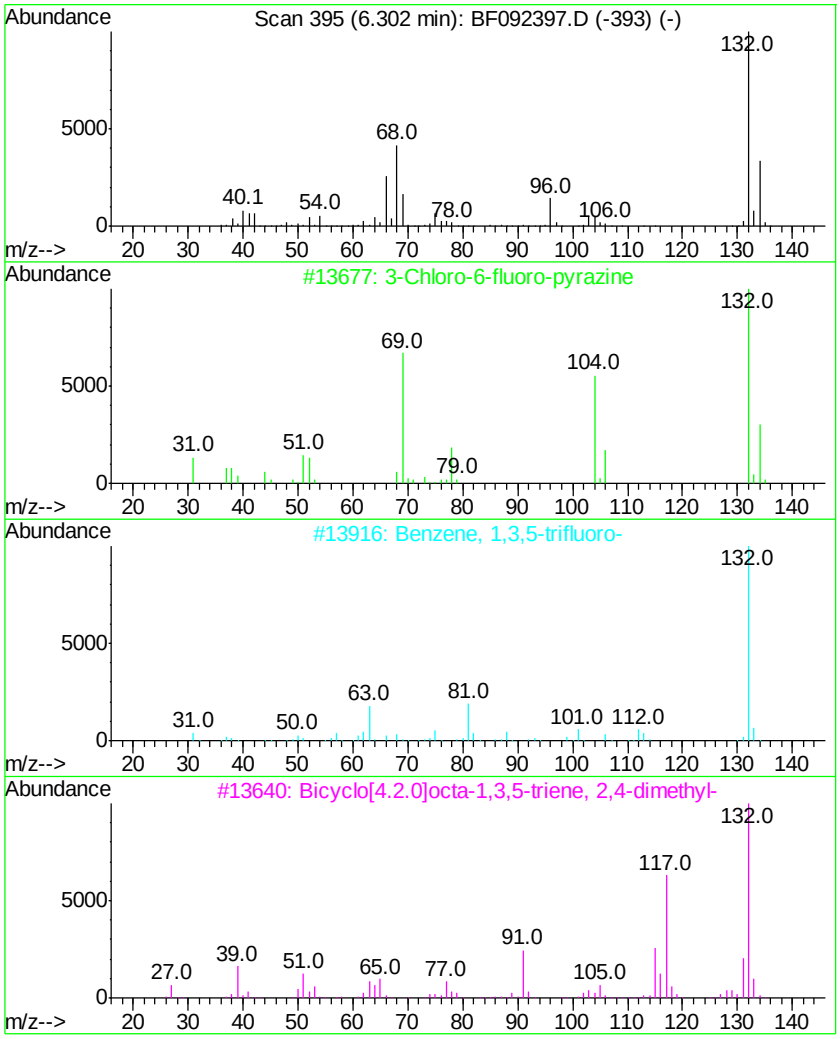
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

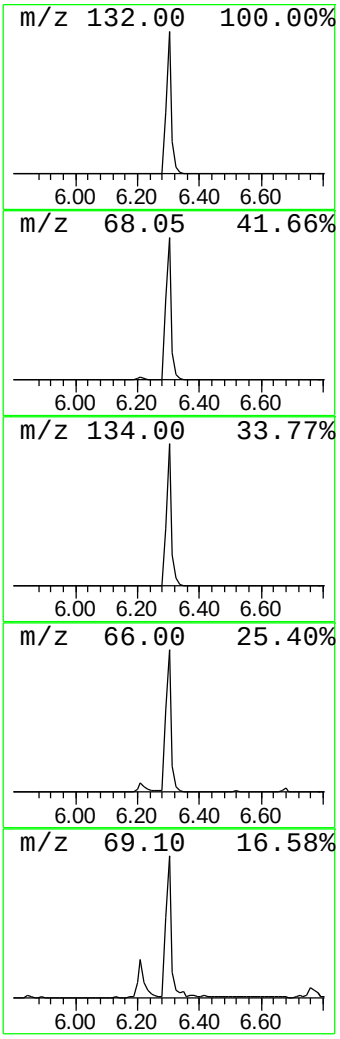
****

Peak Number 2 unknown6.30 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	88.23 ng	3591590	1,4-Dichlorobenzene-d4	6.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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

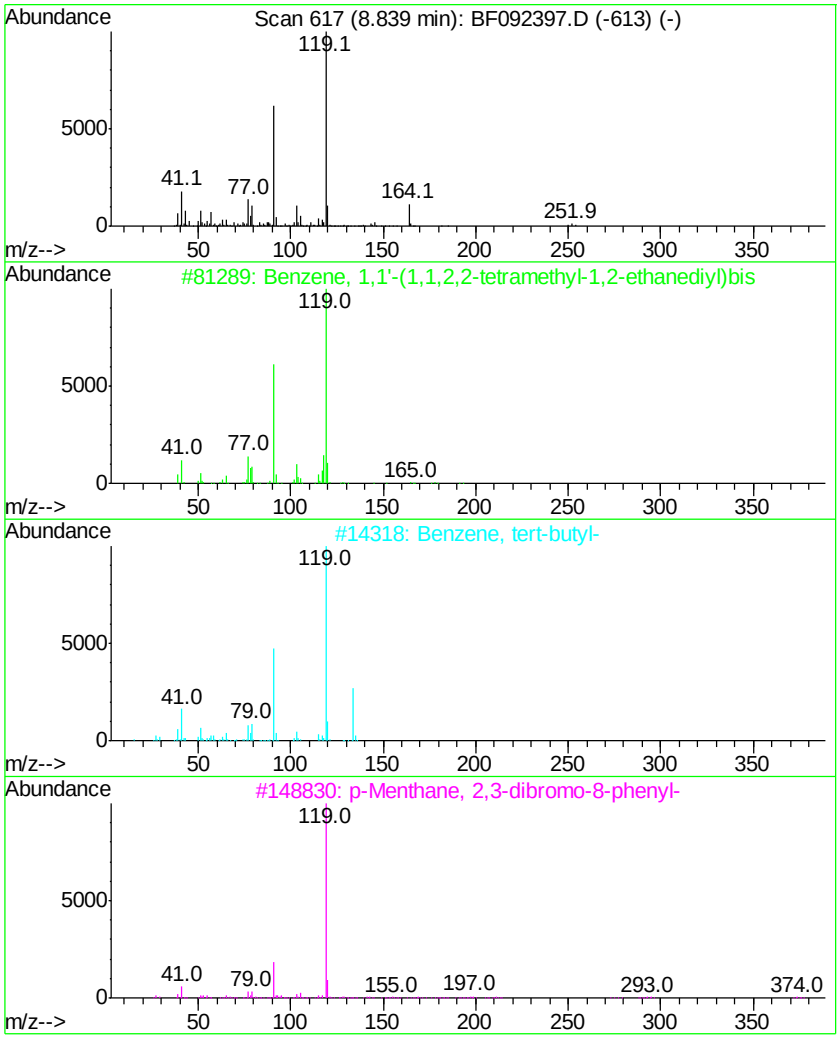
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

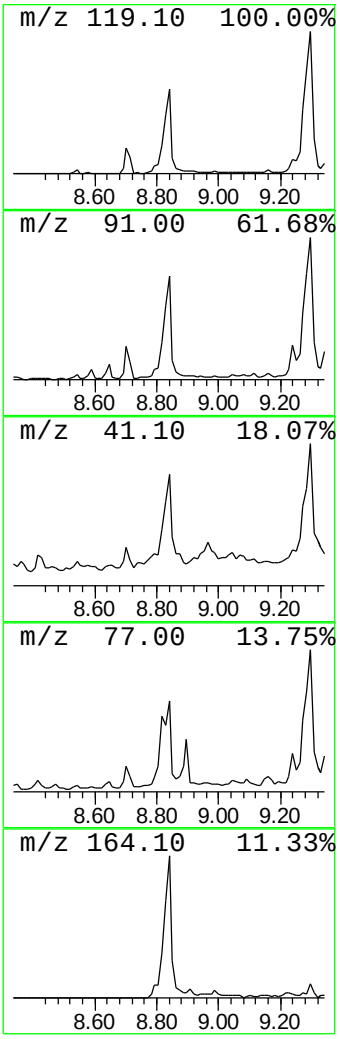
****

Peak Number 5 Benzene, 1,1'-(1,1,2,2-tetr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	21.37 ng	1329940	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	86
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	72
3	p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	72
4	1-(2-Methoxy-1-methylethyl)-2-me...	164	C11H16O	1000210-02-1	64
5	Phenyl 2-phenylisopropyl sulfide	228	C15H16S	004148-93-0	64





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Operator : UM/SJ
Sample : I1267-03
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ClientSampleId : MW-23

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

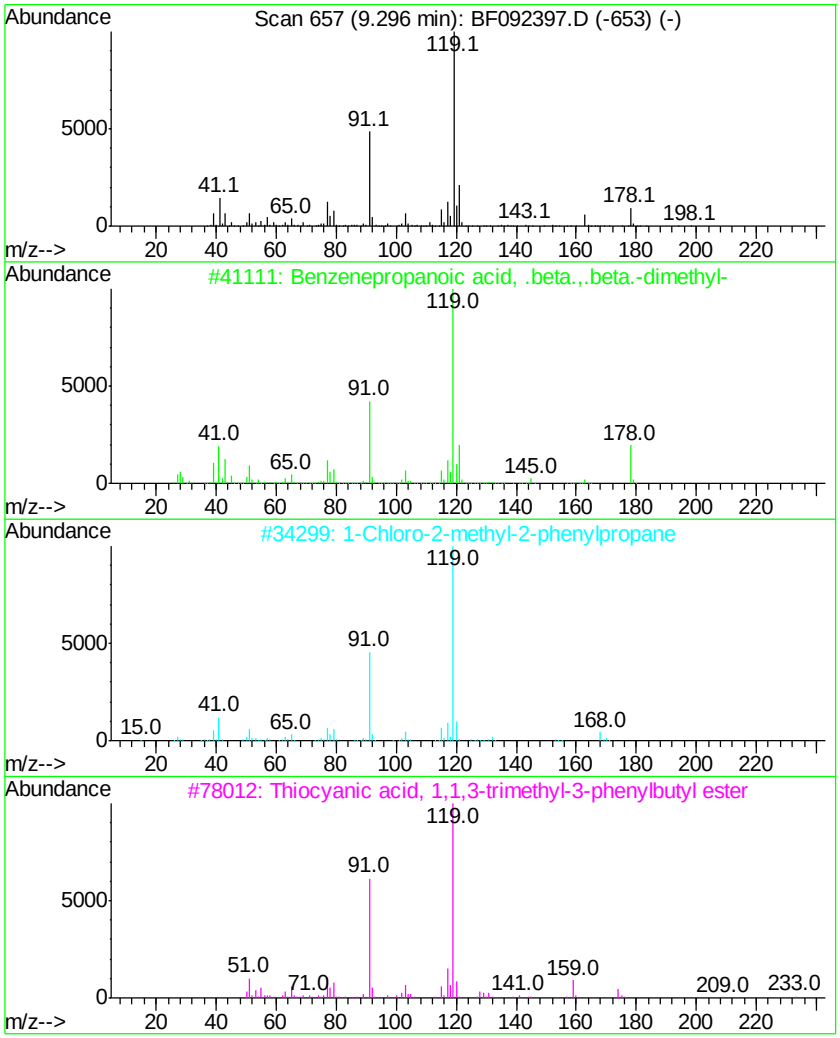
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

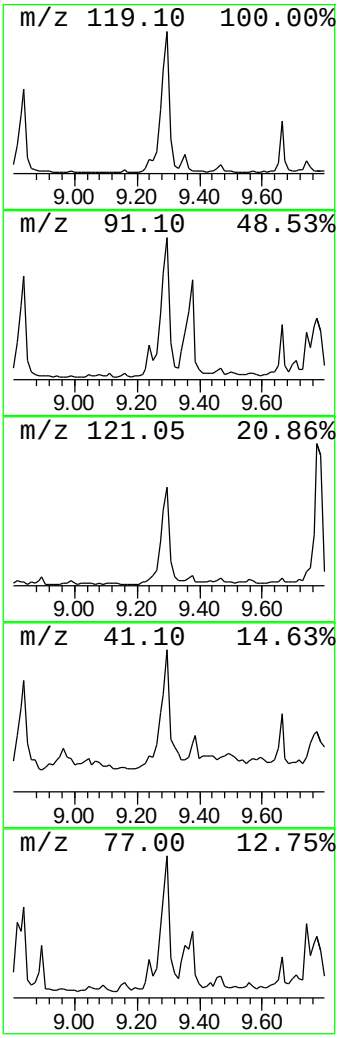
****

Peak Number 6 Benzenepropanoic acid, .bet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	44.67 ng	2780420	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, .beta.,.b...	178	C11H14O2	001010-48-6	94
2	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	83
3	Thiocyanic acid, 1,1,3-trimethyl...	233	C14H19NS	1000293-27-7	72
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
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Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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

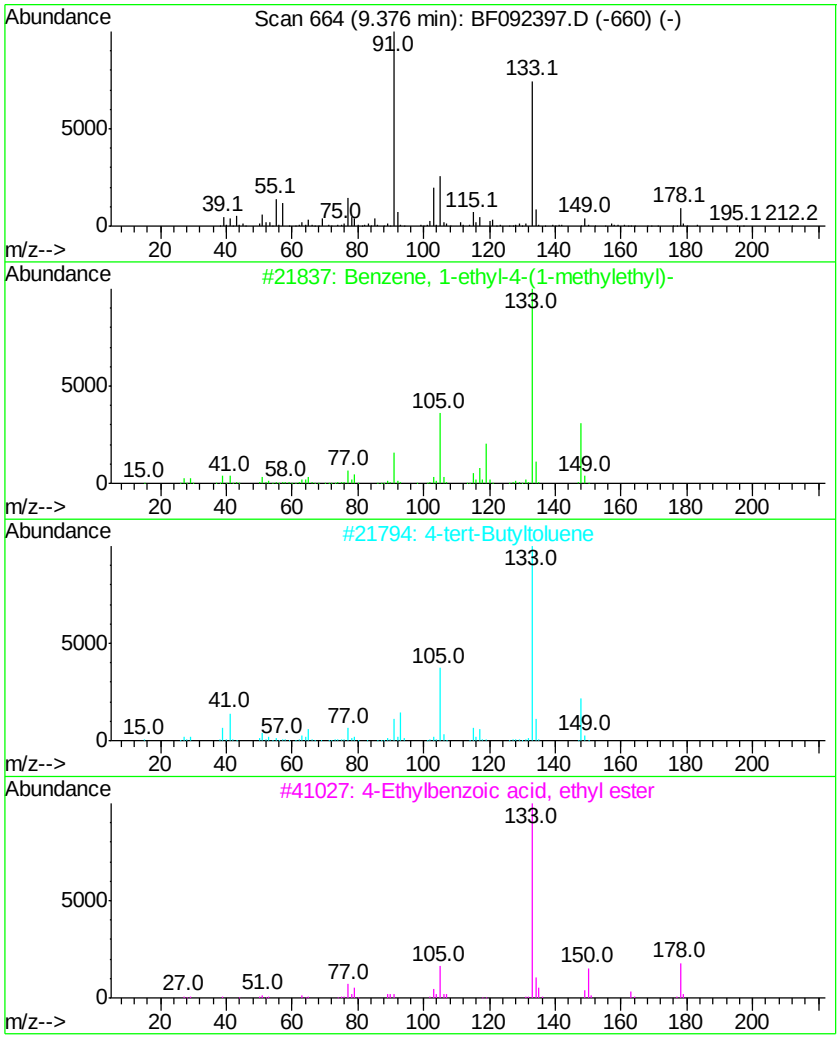
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

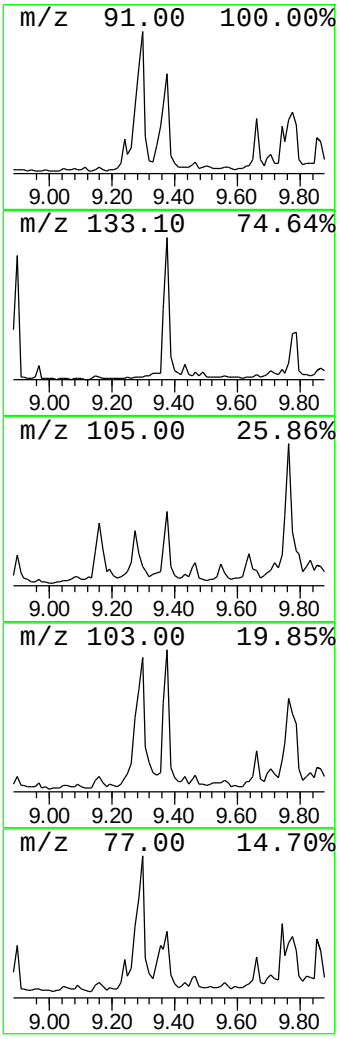
****

Peak Number 7 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	23.10 ng	1437760	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
2	4-tert-Butyltoluene	148	C11H16	000098-51-1	53
3	4-Ethylbenzoic acid, ethyl ester	178	C11H14O2	036207-13-3	53
4	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	53
5	Silane, diethoxydimethyl-	148	C6H16O2Si	000078-62-6	50





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Data File : BF092397.D
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Instrument : BNA_F
ClientSampleId : MW-23

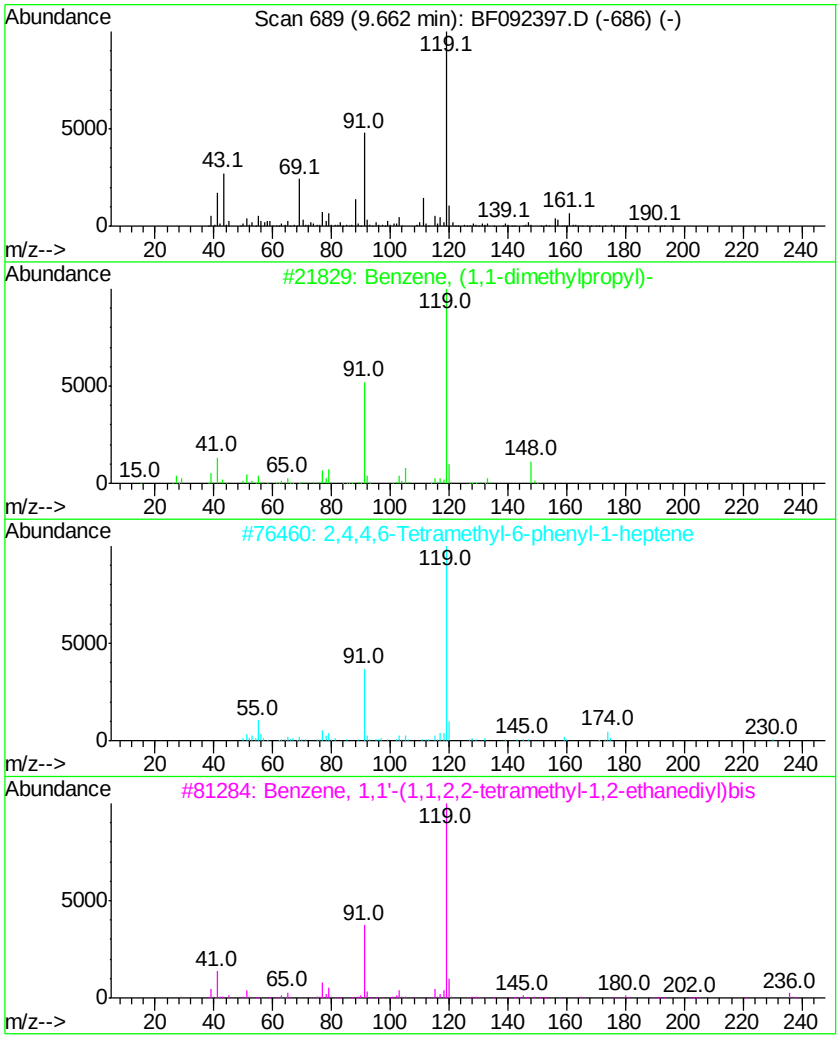
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

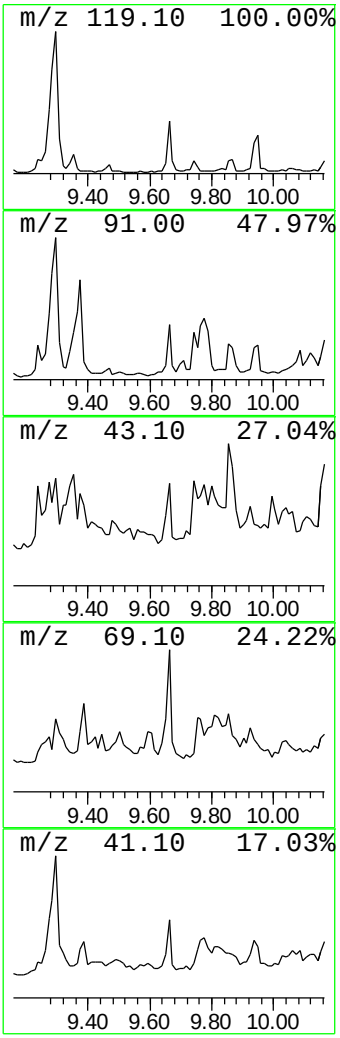
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (1,1-dimethylpropyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	9.67 ng	601978	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
2	2,4,4,6-Tetramethyl-6-phenyl-1-h...	230	C17H26	1000293-27-9	64
3	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	59
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	59
5	Benzene, tert-butyl-	134	C10H14	000098-06-6	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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

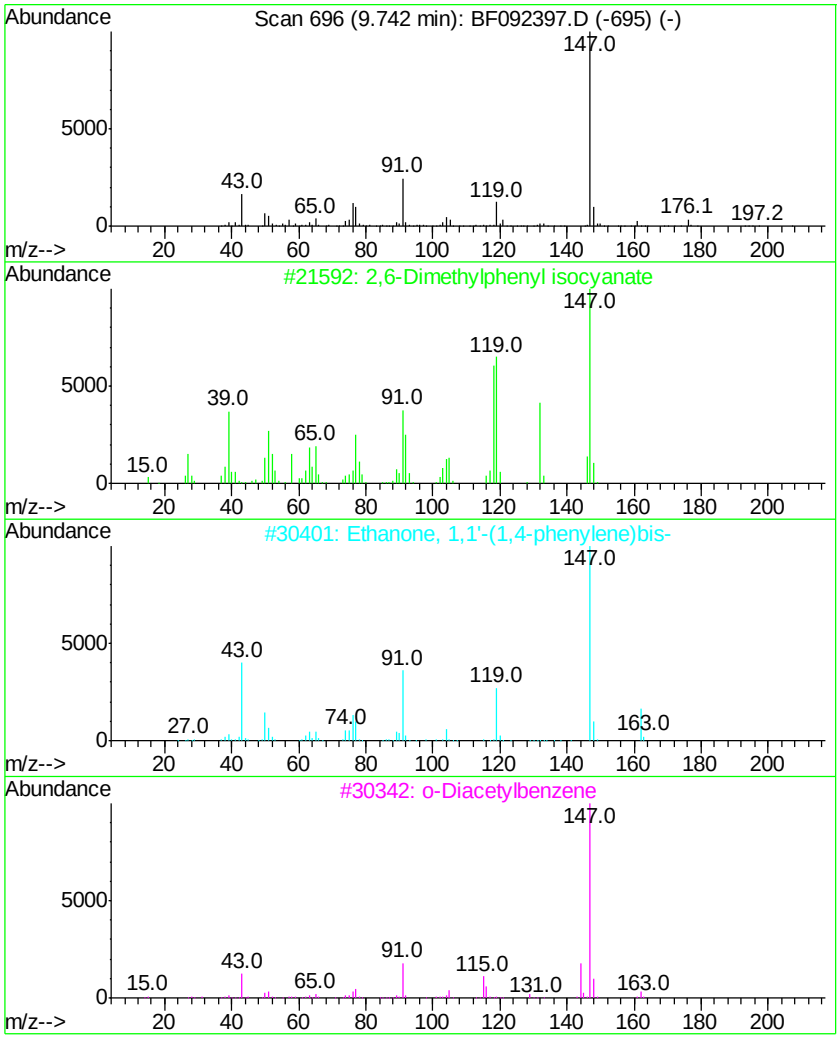
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

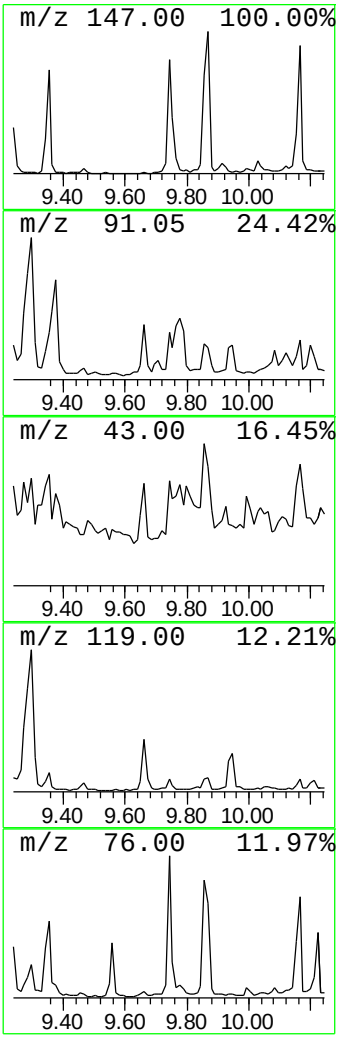
****

Peak Number 9 2,6-Dimethylphenyl isocyanate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	11.94 ng	743074	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	64
2	Ethanone, 1,1'-(1,4-phenylene)bis-	162	C10H10O2	001009-61-6	56
3	o-Diacetylbenzene	162	C10H10O2	000704-00-7	50
4	1(3H)-Isobenzofuranone, 3,3-dime...	162	C10H10O2	001689-09-4	45
5	Benzo[b]furan-5-carboxylic acid,...	274	C15H11ClO3	1000268-06-4	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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

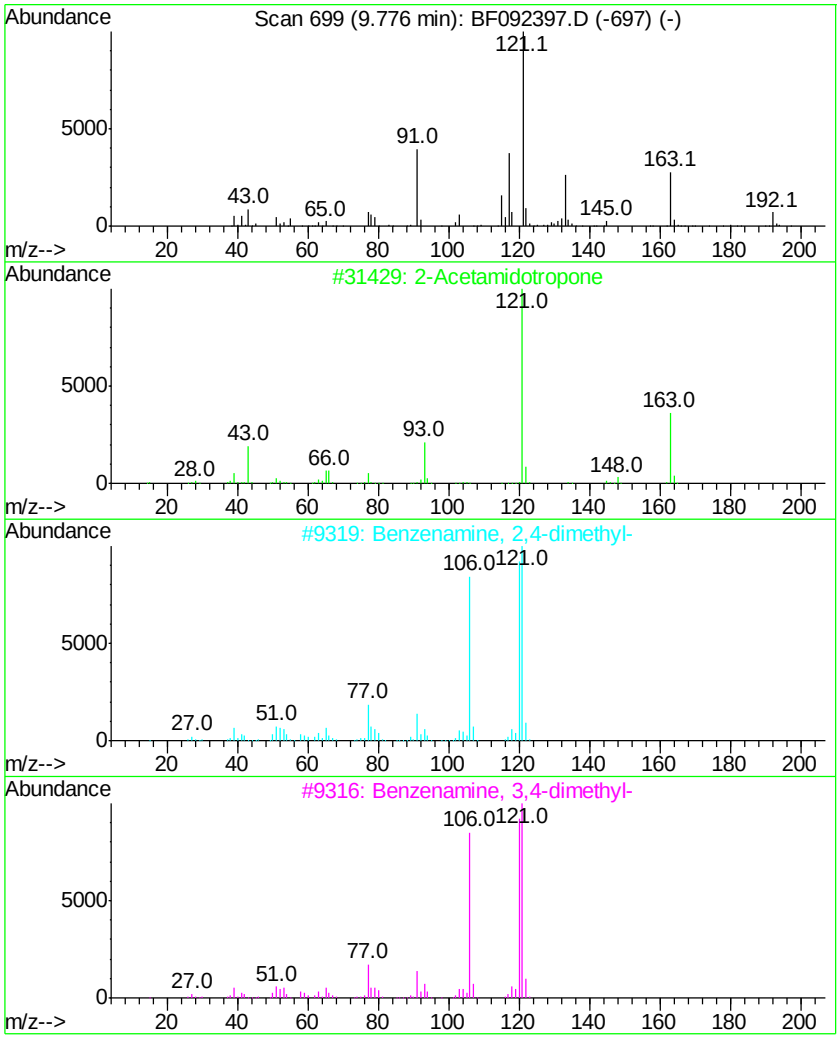
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

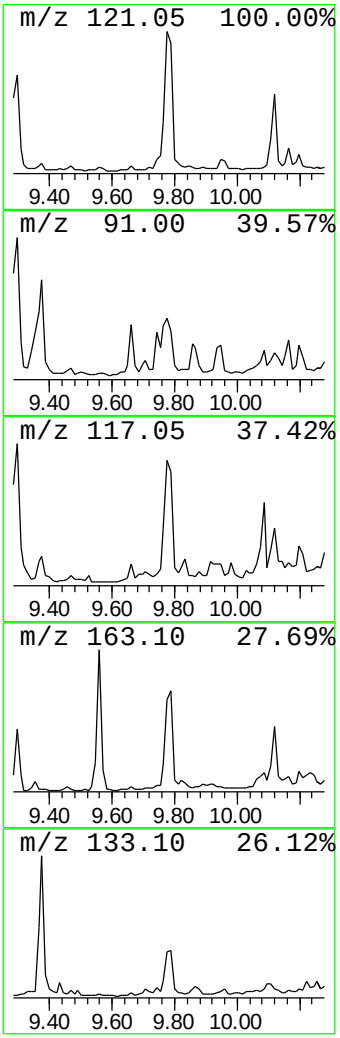
****

Peak Number 10 unknown9.78 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	21.37 ng	1329810	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetamidotropone	163	C9H9NO2	006422-12-4	49
2	Benzenamine, 2,4-dimethyl-	121	C8H11N	000095-68-1	43
3	Benzenamine, 3,4-dimethyl-	121	C8H11N	000095-64-7	43
4	1-(2-Pyridyl)piperazine	163	C9H13N3	034803-66-2	40
5	p-Sec-butylphenyl acetate	192	C12H16O2	003245-24-7	38





Library Search Compound Report

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Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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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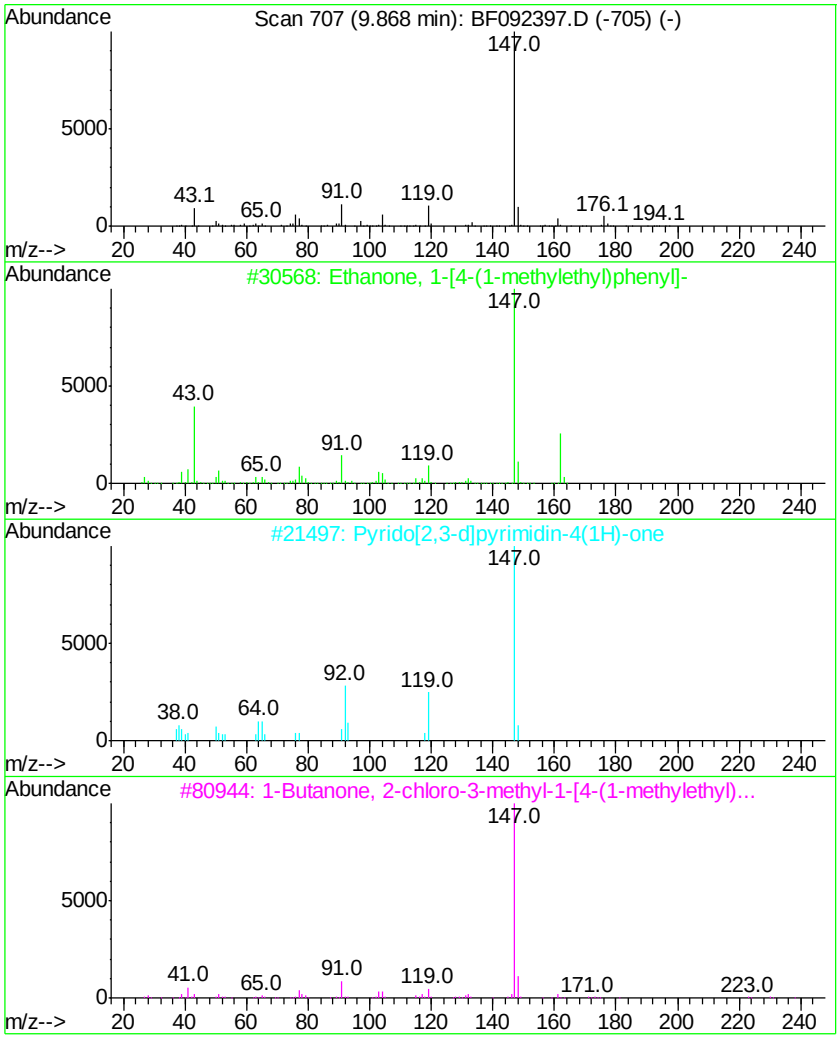
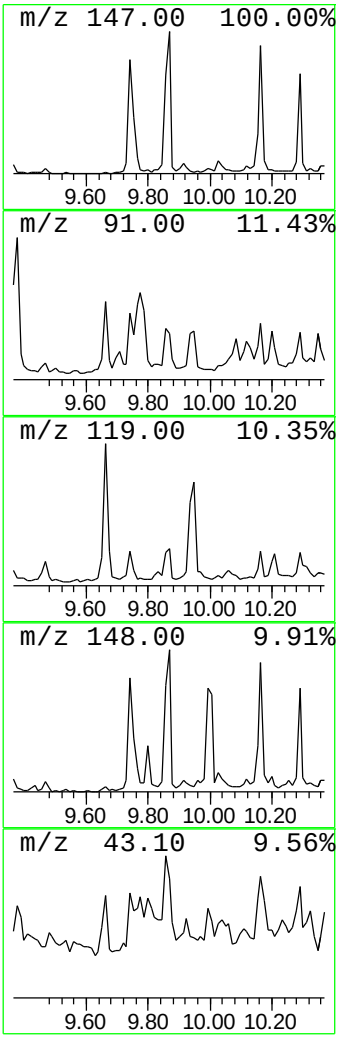
Peak Number 11 Ethanone, 1-[4-(1-methyleth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	17.12 ng	1065550	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-(1-methylethyl)ph...	162	C11H14O	000645-13-6	72
2	Pyrido[2,3-d]pyrimidin-4(1H)-one	147	C7H5N3O	024410-19-3	59
3	1-Butanone, 2-chloro-3-methyl-1-...	238	C14H19ClO	055955-90-3	56
4	1(3H)-Isobenzofuranone, 3,3-dime...	162	C10H10O2	001689-09-4	50
5	Benzoic acid, 2,4-dichloro-, (be...	320	C15H10Cl2N2O2	312604-65-2	39





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Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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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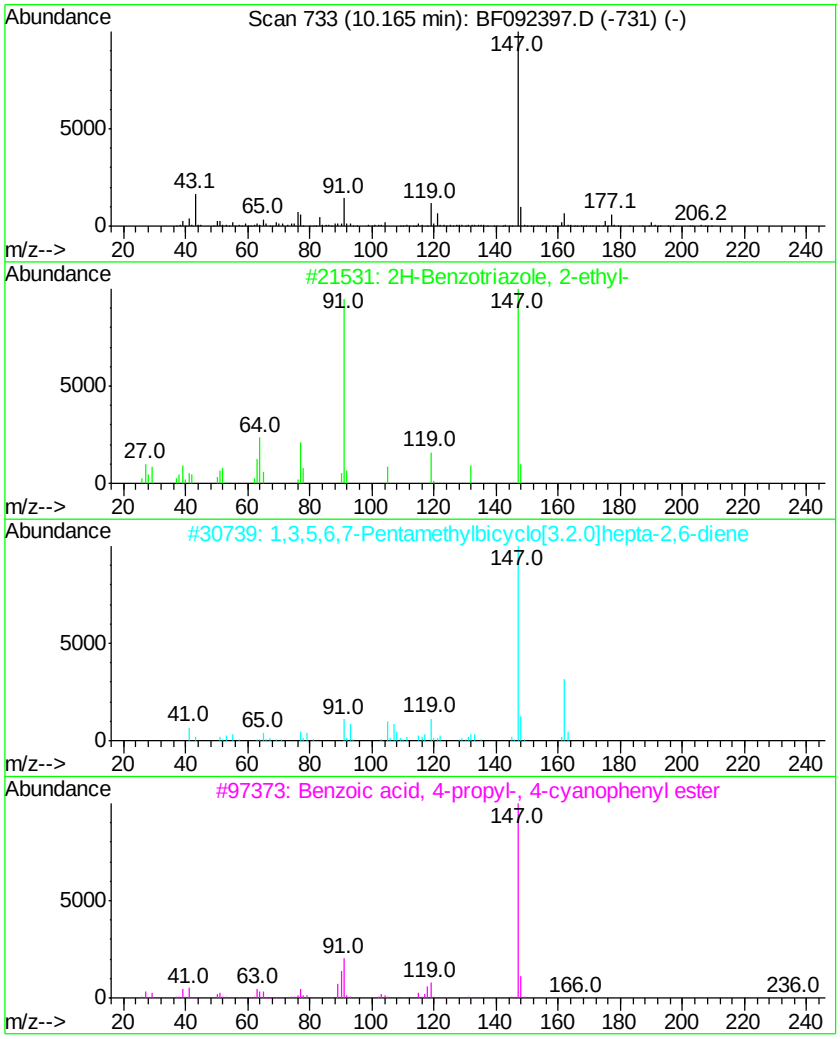
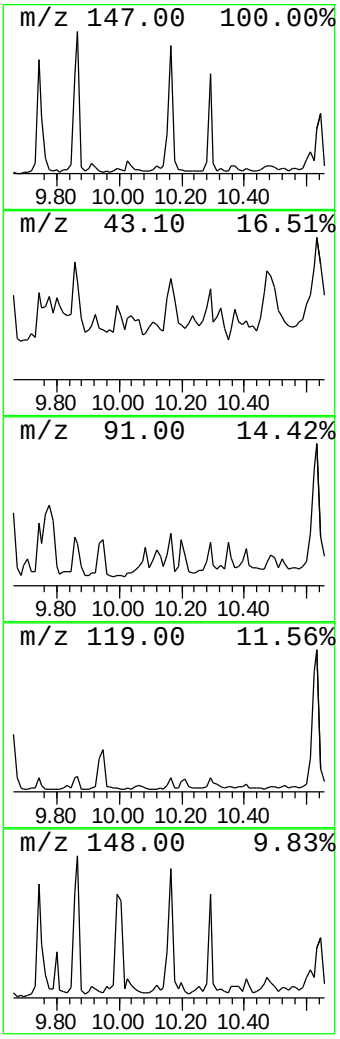
Peak Number 13 2H-Benzotriazole, 2-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	13.53 ng	842135	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benzotriazole, 2-ethyl-	147	C8H9N3	016584-04-6	64
2	1,3,5,6,7-Pentamethylbicyclo[3.2...	162	C12H18	003099-00-1	50
3	Benzoic acid, 4-propyl-, 4-cyano...	265	C17H15NO2	056131-49-8	50
4	1(3H)-Isobenzofuranone, 3,3-dime...	162	C10H10O2	001689-09-4	50
5	Benzoyl chloride, 4-propyl-	182	C10H11ClO	052710-27-7	50





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Acq On : 21 Jan 2017 5:02
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Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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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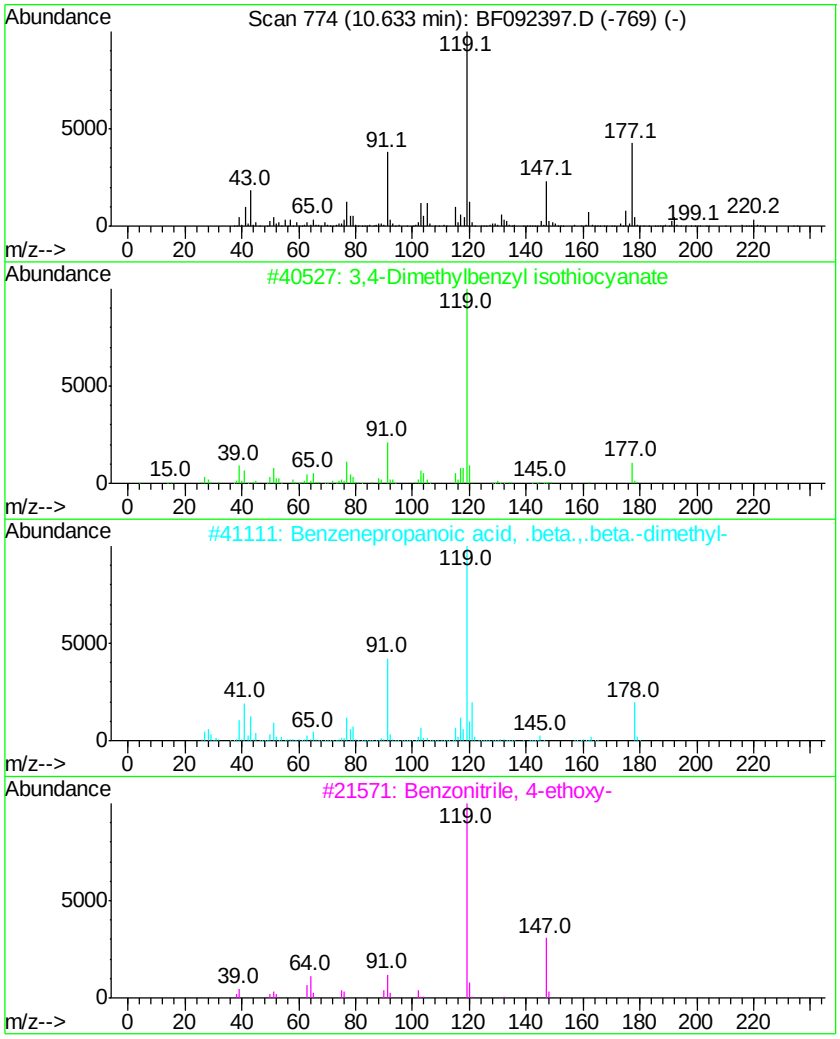
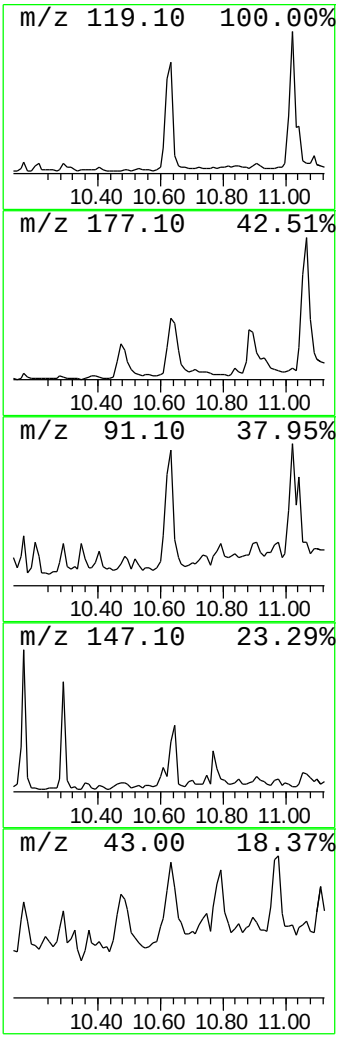
Peak Number 15 3,4-Dimethylbenzyl isothioc... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	21.82 ng	4304830	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylbenzyl isothiocyanate	177	C10H11NS	206559-59-3	64
2	Benzenepropanoic acid, .beta.,.b...	178	C11H14O2	001010-48-6	49
3	Benzonitrile, 4-ethoxy-	147	C9H9NO	025117-74-2	49
4	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	46
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46





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Acq On : 21 Jan 2017 5:02
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Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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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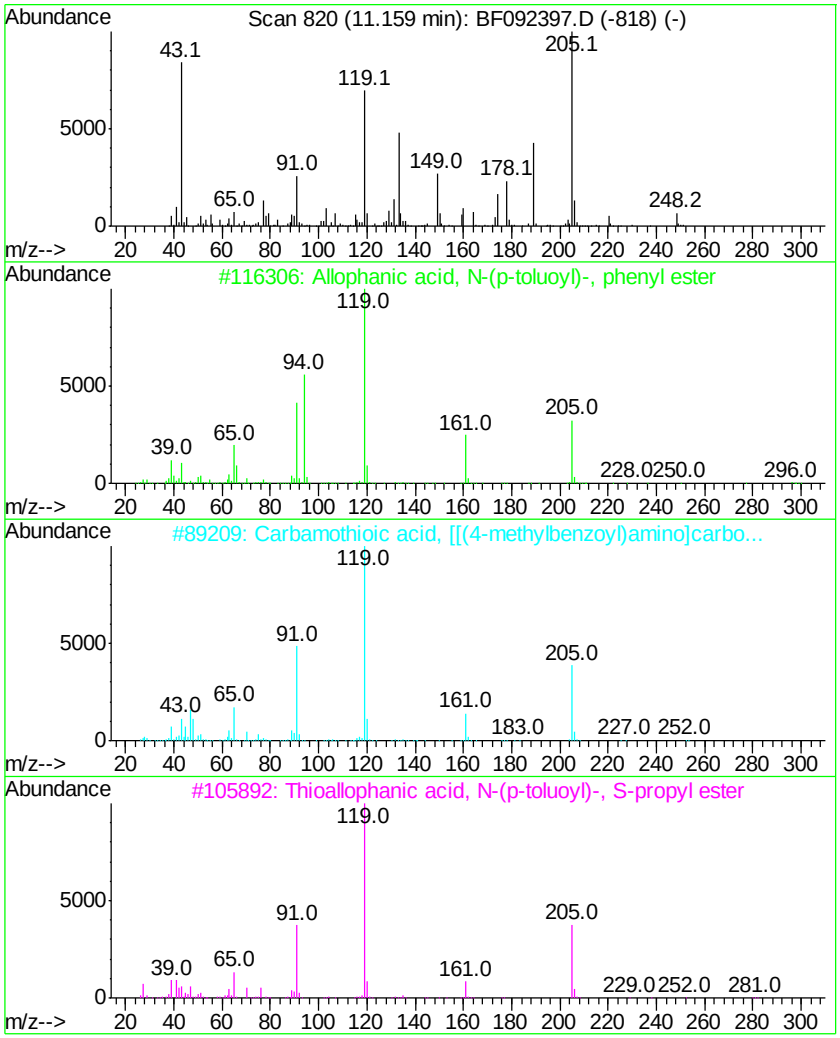
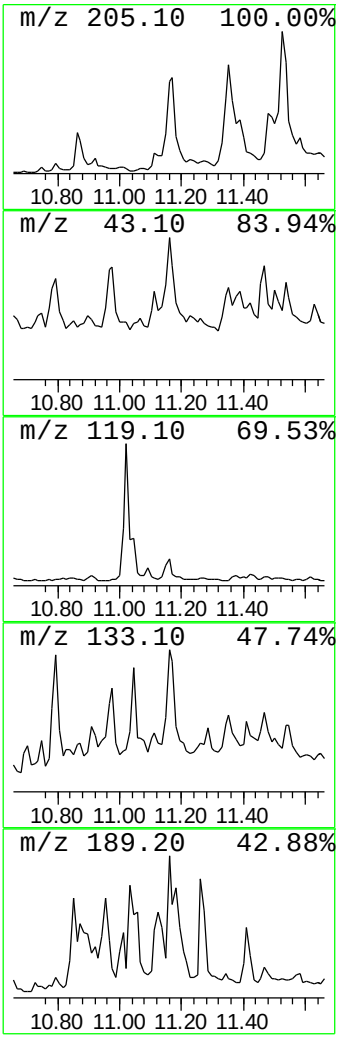
Peak Number 16 unknown11.16 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	11.58 ng	2284990	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allophanic acid, N-(p-toluoyl)-,...	298	C16H14N2O4	1000159-76-6	35
2	Carbamothioic acid, [[(4-methylb...	252	C11H12N2O3S	079340-20-8	35
3	Thioallophanic acid, N-(p-toluov...	280	C13H16N2O3S	1000153-76-1	25
4	Thioallophanic acid, N-(m-toluov...	252	C11H12N2O3S	1000150-16-3	25
5	2-Amino-4-hydroxy-6,7,8-trimethy...	205	C9H11N5O	013045-86-8	22





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Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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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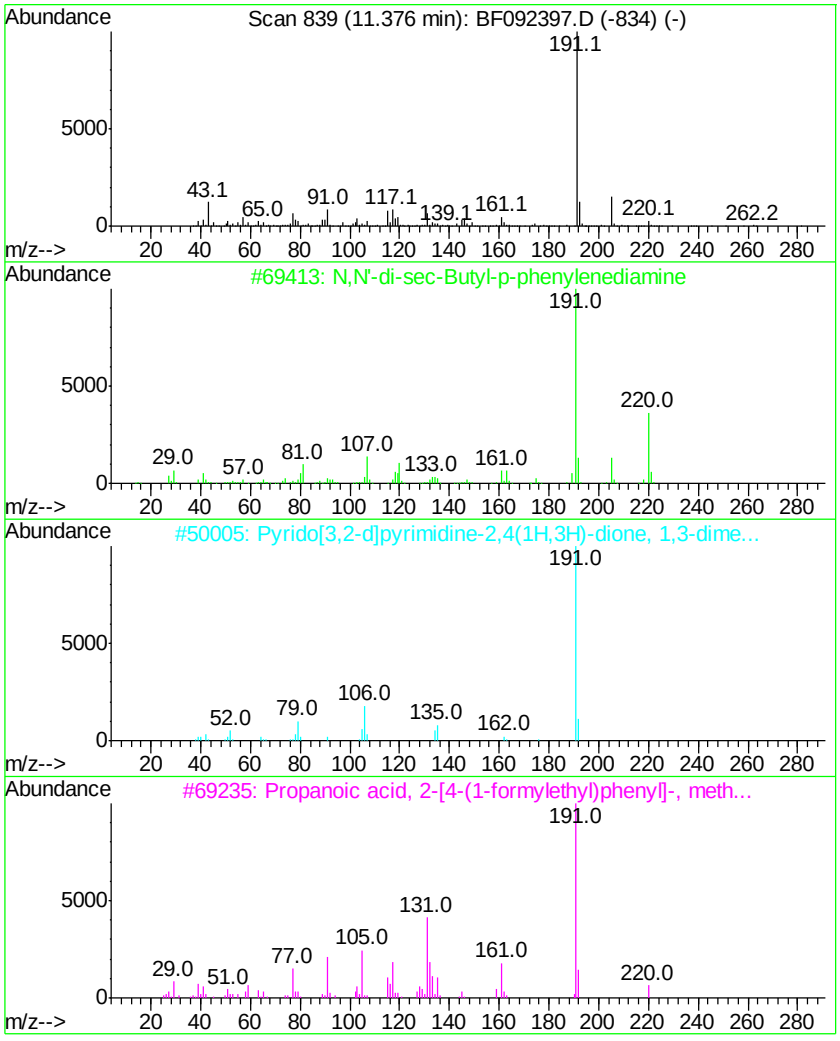
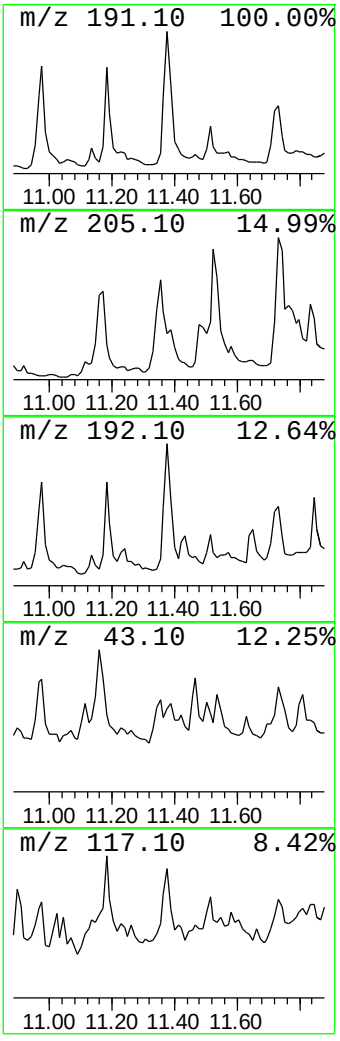
Peak Number 17 N,N'-di-sec-Butyl-p-phenyle... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	11.09 ng	2188230	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-di-sec-Butyl-p-phenylenedia...	220	C14H24N2	000101-96-2	56
2	Pyrido[3,2-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	024410-25-1	53
3	Propanoic acid, 2-[4-(1-formylet...	220	C13H16O3	1000161-46-8	42
4	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
5	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	38





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Sample : I1267-03
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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
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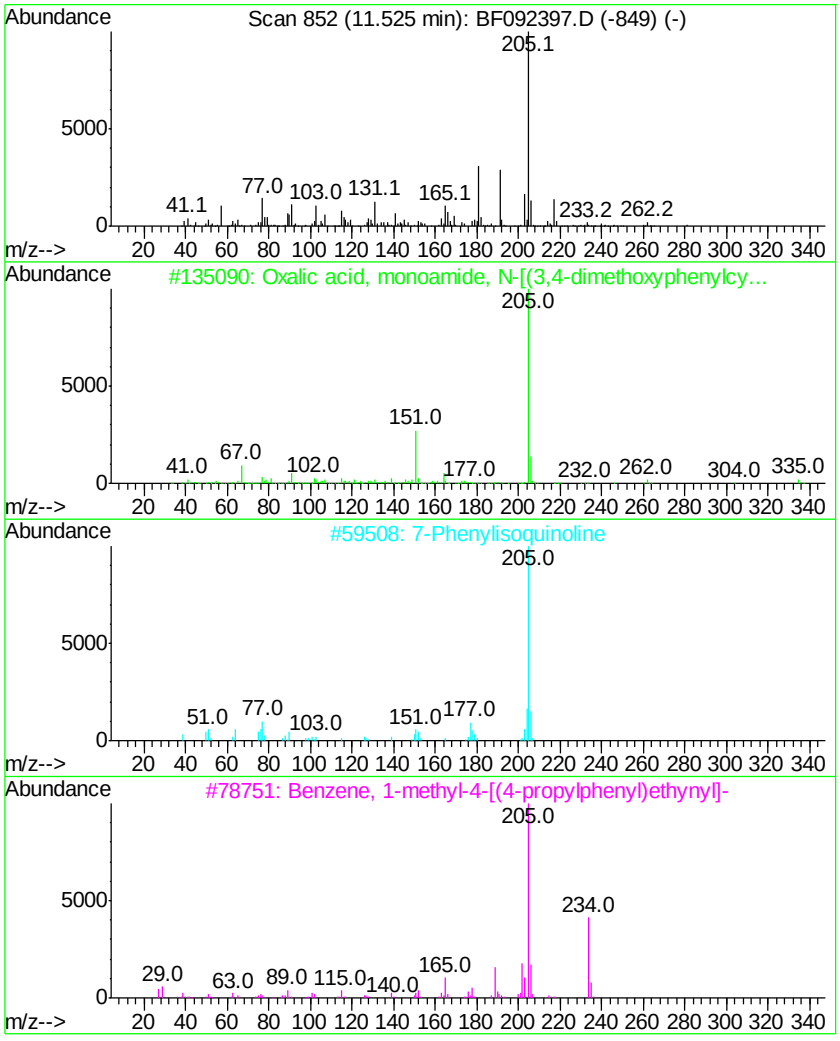
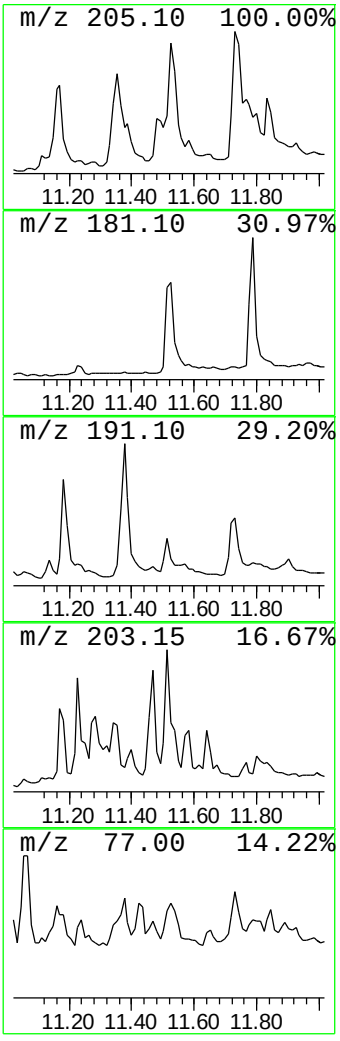
Peak Number 18 unknown11.52 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	10.51 ng	2074060	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, monoamide, N-[(3,4-...	335	C18H25NO5	1000294-05-1	38
2	7-Phenylisoquinoline	205	C15H11N	070125-65-4	38
3	Benzene, 1-methyl-4-[(4-propylph...	234	C18H18	184161-94-2	38
4	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	32
5	2-Ethyl-1',8-dimethyl-5,6,7,8-te...	262	C16H27BO2	1000061-56-4	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
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Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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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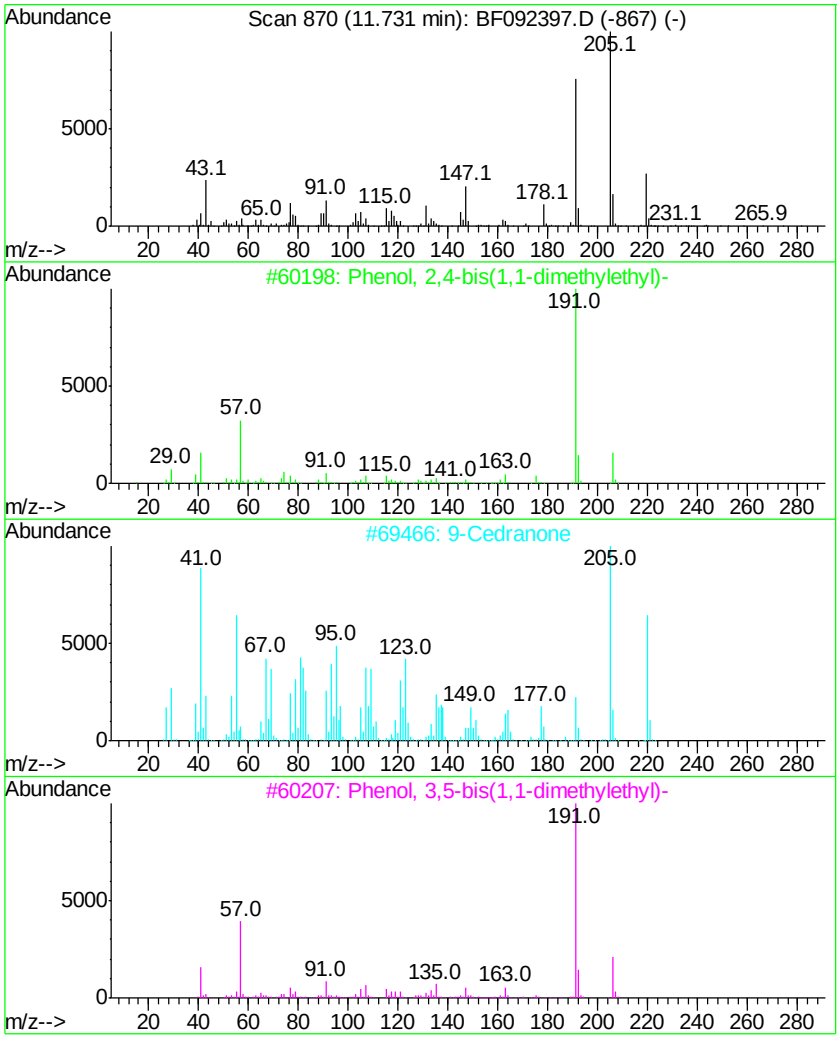
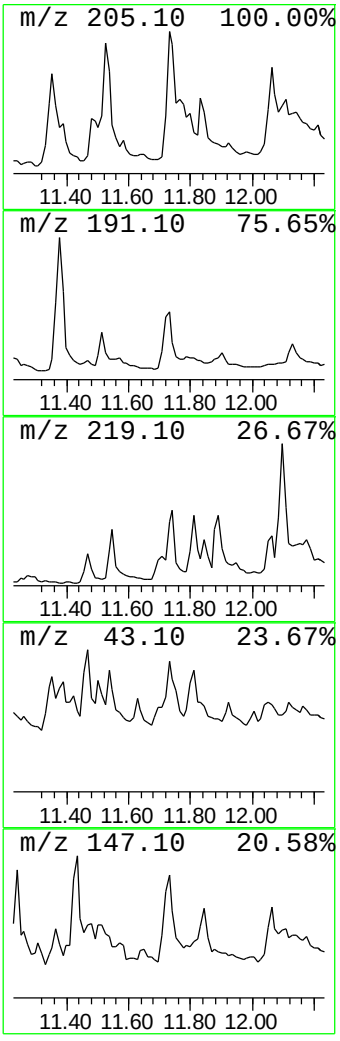
Peak Number 19 unknown11.73 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	8.21 ng	1619950	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	30
2	9-Cedranone	220	C15H24O	1000156-23-2	27
3	Phenol, 3,5-bis(1,1-dimethylethyl)-	206	C14H22O	001138-52-9	27
4	Propanoic acid, 2-[4-(1-formylet...	220	C13H16O3	1000161-46-8	27
5	Isoquinoline, 3,4-dihydro-6,7-di...	205	C12H15NO2	004721-98-6	27





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Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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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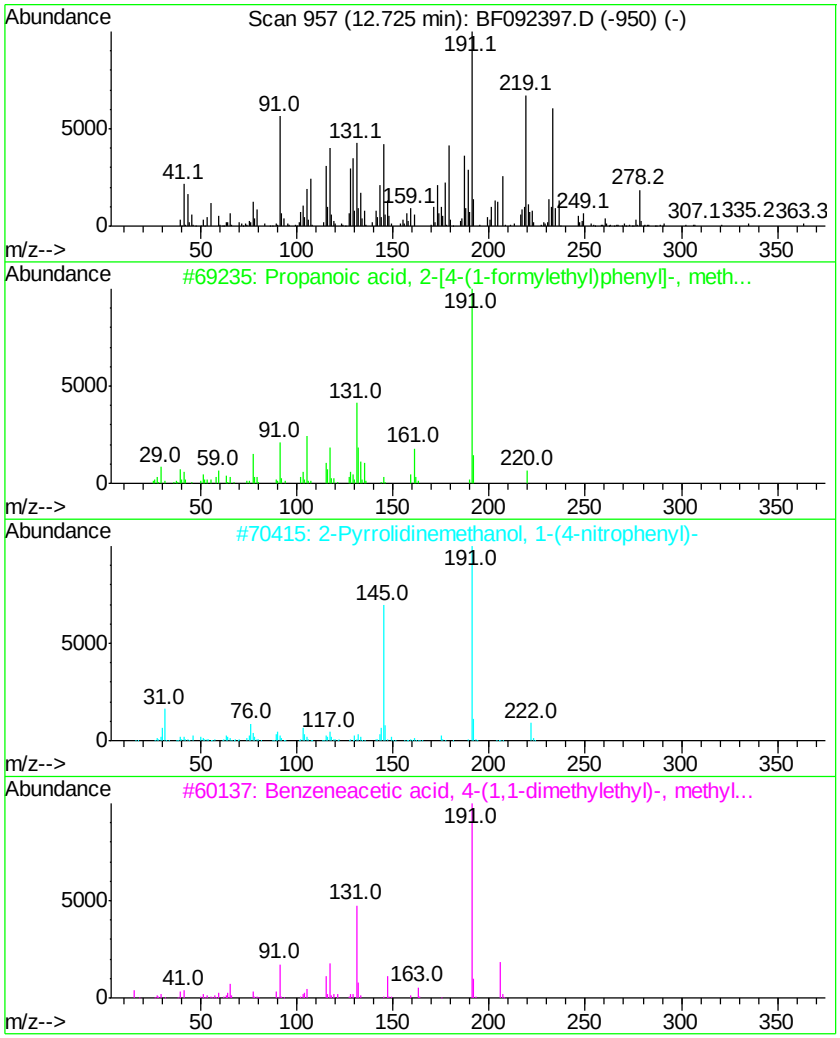
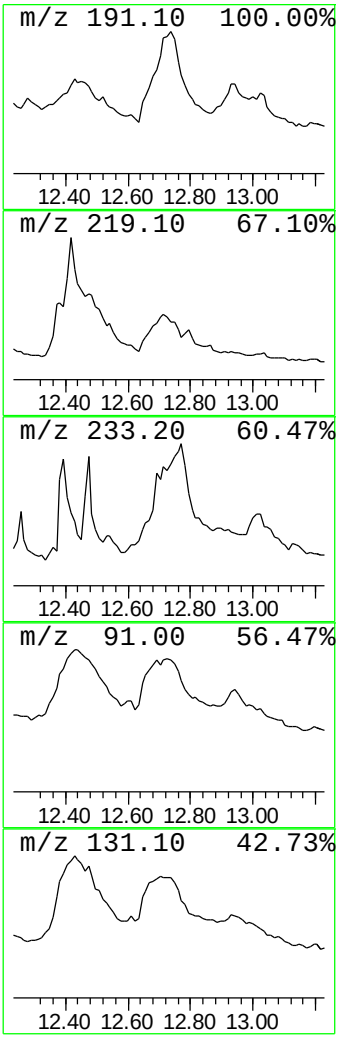
Peak Number 20 unknown12.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	147.09 ng	5774980	Chrysene-d12	13.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-[4-(1-formylet...	220	C13H16O3	1000161-46-8	25
2	2-Pyrrolidinemethanol, 1-(4-nitr...	222	C11H14N2O3	105173-13-5	25
3	Benzeneacetic acid, 4-(1,1-dimet...	206	C13H18O2	003549-23-3	22
4	Acetohydrazide, N2-(4-phenylthia...	233	C11H11N3OS	020228-06-2	22
5	Benzoic acid, 4-nitro-2-[(triflu...	278	C9H5F3N2O5	091533-09-4	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
Data File : BF092397.D
Acq On : 21 Jan 2017 5:02
Operator : UM/SJ
Sample : I1267-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-23

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
2-Pentanone, 4-hy...	4.62	13.6	ng	554940	1	6.52	814135	20.0
unknown6.30	6.30	88.2	ng	3591590	1	6.52	814135	20.0
Benzene, 1,1'-(1,...	8.84	21.4	ng	1329940	3	9.56	1244840	20.0
Benzenepropanoic ...	9.30	44.7	ng	2780420	3	9.56	1244840	20.0
Benzene, 1-ethyl-...	9.38	23.1	ng	1437760	3	9.56	1244840	20.0
Benzene, (1,1-dim...	9.66	9.7	ng	601978	3	9.56	1244840	20.0
2,6-Dimethylpheny...	9.74	11.9	ng	743074	3	9.56	1244840	20.0
unknown9.78	9.78	21.4	ng	1329810	3	9.56	1244840	20.0
Ethanone, 1-[4-(1...	9.87	17.1	ng	1065550	3	9.56	1244840	20.0
2H-Benzotriazole,...	10.16	13.5	ng	842135	3	9.56	1244840	20.0
3,4-Dimethylbenzy...	10.63	21.8	ng	4304830	4	11.03	3945930	20.0
unknown11.16	11.16	11.6	ng	2284990	4	11.03	3945930	20.0
N,N'-di-sec-Butyl...	11.38	11.1	ng	2188230	4	11.03	3945930	20.0
unknown11.52	11.52	10.5	ng	2074060	4	11.03	3945930	20.0
unknown11.73	11.73	8.2	ng	1619950	4	11.03	3945930	20.0
unknown12.73	12.73	147.1	ng	5774980	5	13.67	785227	20.0