LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

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-BF121815.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	3.195	92	97	101	rBV2	43705	88777	4.02%	0.206%
2	3.721	138	143	146	rBV	353105	672123	30.41%	1.560%
3	3.870	153	156	164	rBV	73853	112913	5.11%	0.262%
4	5.047	257	259	265	rBV	147635	196611	8.89%	0.456%
5	5.481	295	297	300	rBV	974423	895254	40.50%	2.078%
6	6.327	363	371	372	rBV2	24187	60162	2.72%	0.140%
7	6.510	384	387	390	rBV	677865	768967	34.79%	1.785%
8	6.636	396	398	400	rBV	1414974	1563026	70.71%	3.628%
9	6.704	402	404	410	rVB5	28724	79022	3.57%	0.183%
10	6.830	410	415	416	rBV4	54130	133541	6.04%	0.310%
11	6.864	416	418	422	rVB	537227	510049	23.07%	1.184%
12	7.024	429	432	434	rBV	1608767	1504886	68.08%	3.493%
13	7.116	438	440	442	rVB	128758	121172	5.48%	0.281%
14	7.207	445	448	451	rVB	119367	189531	8.57%	0.440%
15	7.264	451	453	455	rBV	51060	69385	3.14%	0.161%
16	7.310	455	457	460	rVB2	46882	77207	3.49%	0.179%
17	7.379	460	463	464	rBV	141158	165657	7.49%	0.385%
18	7.436	464	468	473	rVB2	1042724	1856237	83.97%	4.309%
19	7.516	473	475	476	rBV	134309	120712	5.46%	0.280%
20	7.562	476	479	480	rVB2	97078	113935	5.15%	0.264%
21	7.642	482	486	488	rVB	416769	456468	20.65%	1.060%
22	7.722	491	493	495	rBV2	49963	75502	3.42%	0.175%
23	7.756	495	496	498	rVB	83208	74457	3.37%	0.173%
24	7.813	498	501	505	rBV2	310003	555815	25.14%	1.290%
25	7.893	505	508	510	rBV	849987	840111	38.00%	1.950%
26	7.973	512	515	518	rVB2	245321	384983	17.42%	0.894%
27	8.030	518	520	522	rBV3	91587	144968	6.56%	0.337%
28	8.099	523	526	528	rBV3	136057	312060	14.12%	0.724%
29	8.156	528	531	534	rBV3	583580	951839	43.06%	2.210%
30	8.202	534	535	537	rVB	167118	118300	5.35%	0.275%
31	8.282	540	542	543	rBV	133290	142034	6.43%	0.330%
32	8.327	543	546	547	rBV2	95325	173404	7.84%	0.403%
33	8.396	550	552	554	rVB	253900	210330	9.51%	0.488%
34	8.442	554	556	558	rVB3	65478	106760	4.83%	0.248%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.533	558	564	566	rBV4	202998	552771	25.01%	1.283%
36	8.567	566	567	569	rBV2	114618	160739	7.27%	0.373%
37	8.625	570	572	574	rVB	131484	102725	4.65%	0.238%
38	8.659	574	575	578	rVB3	198044	194510	8.80%	0.452%
39	8.716	578	580	582	rBV	154936	225371	10.20%	0.523%
40	8.819	584	589	590	rBV3	197284	467606	21.15%	1.086%
41	8.842	590	591	594	rVB2	262413	231838	10.49%	0.538%
42	8.910	595	597	598	rBV	110748	128253	5.80%	0.298%
43	8.967	598	602	605	rVB	1489049	1859739	84.13%	4.317%
44	9.059	607	610	611	rBV2	141114	214852	9.72%	0.499%
45	9.093	611	613	615	rVB2	97247	148956	6.74%	0.346%
46	9.173	615	620	623	rBV7	113780	366136	16.56%	0.850%
47	9.230	623	625	627	rBV	2167533	1971904	89.20%	4.578%
48	9.276	627	629	631	rVB3	56083	73693	3.33%	0.171%
49	9.333	631	634	635	rBV3	117013	211027	9.55%	0.490%
50	9.367	635	637	641	rBV4	83003	214211	9.69%	0.497%
51	9.425	641	642	646	rVB3	99093	187638	8.49%	0.436%
52	9.493	646	648	650	rBV	298527	427414	19.34%	0.992%
53	9.573	652	655	658	rVV3	480239	971021	43.93%	2.254%
54	9.630	658	660	662	rVV3	120242	204183	9.24%	0.474%
55	9.665	662	663	666	rVV2	602070	836315	37.83%	1.941%
56	9.710	666	667	669	rVB2	414006	357937	16.19%	0.831%
57	9.768	670	672	675	rVV2	149907	187331	8.47%	0.435%
58	9.848	677	679	680	rVV	204951	195786	8.86%	0.455%
59	9.905	682	684	686	rVV	585269	615153	27.83%	1.428%
60	9.950	686	688	689	rVB	194175	203871	9.22%	0.473%
61	10.019	689	694	695	rBV3	74047	146261	6.62%	0.340%
62	10.110	700	702	703	rVB	140102	149333	6.76%	0.347%
63	10.145	703	705	707	rBV3	85860	152040	6.88%	0.353%
64	10.179	707	708	710	rBV	97172	136787	6.19%	0.318%
65	10.270	710	716	717	rBV	1134229	2210563	100.00%	5.132%
66	10.293	717	718	723	rVB3	255032	396250	17.93%	0.920%
67	10.373	723	725	726	rVB2	92258	80900	3.66%	0.188%
68	10.442	728	731	735	rVB4	556502	1390370	62.90%	3.228%
69	10.510	735	737	738	rBV	345907	436702	19.76%	1.014%
70	10.648	747	749	751	rBV2	280733	321005	14.52%	0.745%
71	10.705	751	754	756	rVV3	1176601	1976657	89.42%	4.589%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.762	756	759	761	rVV2	447493	941056	42.57%	2.185%
73	10.808	761	763	764	rVV	336091	474238	21.45%	1.101%
74	10.842	764	766	770	rVB5	241461	449512	20.33%	1.044%
75	11.036	781	783	787	rVB3	154381	253538	11.47%	0.589%
76	11.139	787	792	793	rVV3	166252	367760	16.64%	0.854%
77	11.196	795	797	798	rBV2	73642	85198	3.85%	0.198%
78	11.231	798	800	804	rVB2	225992	431793	19.53%	1.002%
79	11.356	809	811	812	rBV2	82106	105473	4.77%	0.245%
80	11.391	812	814	816	rVV	569985	589255	26.66%	1.368%
81	11.436	816	818	819	rVV	311996	418259	18.92%	0.971%
82	11.459	819	820	822	rVB	171754	227366	10.29%	0.528%
83	11.756	844	846	847	rVV	119550	125781	5.69%	0.292%
84	11.791	847	849	852	rVV2	299920	402223	18.20%	0.934%
85	11.871	854	856	859	rVB3	167072	203558	9.21%	0.473%
86	11.928	859	861	867	rBV4	108919	179111	8.10%	0.416%
87	12.156	877	881	884	rBV	931380	1395596	63.13%	3.240%
88	12.293	891	893	896	rVB	88808	89203	4.04%	0.207%
89	12.419	902	904	909	rBV	94713	175195	7.93%	0.407%
90	12.534	913	914	917	rVB2	64051	98272	4.45%	0.228%
91	12.716	928	930	932	rVB2	75936	111967	5.07%	0.260%
92	12.796	935	937	939	rVV	47320	58913	2.67%	0.137%
93	12.876	942	944	949	rBV5	28538	60423	2.73%	0.140%
94	12.979	950	953	955	rVV	1947019	1959647	88.65%	4.549%
95	13.448	990	994	997	rBV6	28796	116287	5.26%	0.270%
96	13.539	1000	1002	1004	rVB	203507	179869	8.14%	0.418%
97	14.031	1042	1045	1047	rBV	335856	372575	16.85%	0.865%
98	14.374	1073	1075	1078	rBV4	21083	65015	2.94%	0.151%
99	15.471	1168	1171	1179	rVB	294279	512684	23.19%	1.190%
100	19.403	1512	1515	1520	rBV6	15646	73173	3.31%	0.170%

Sum of corrected areas: 43076986

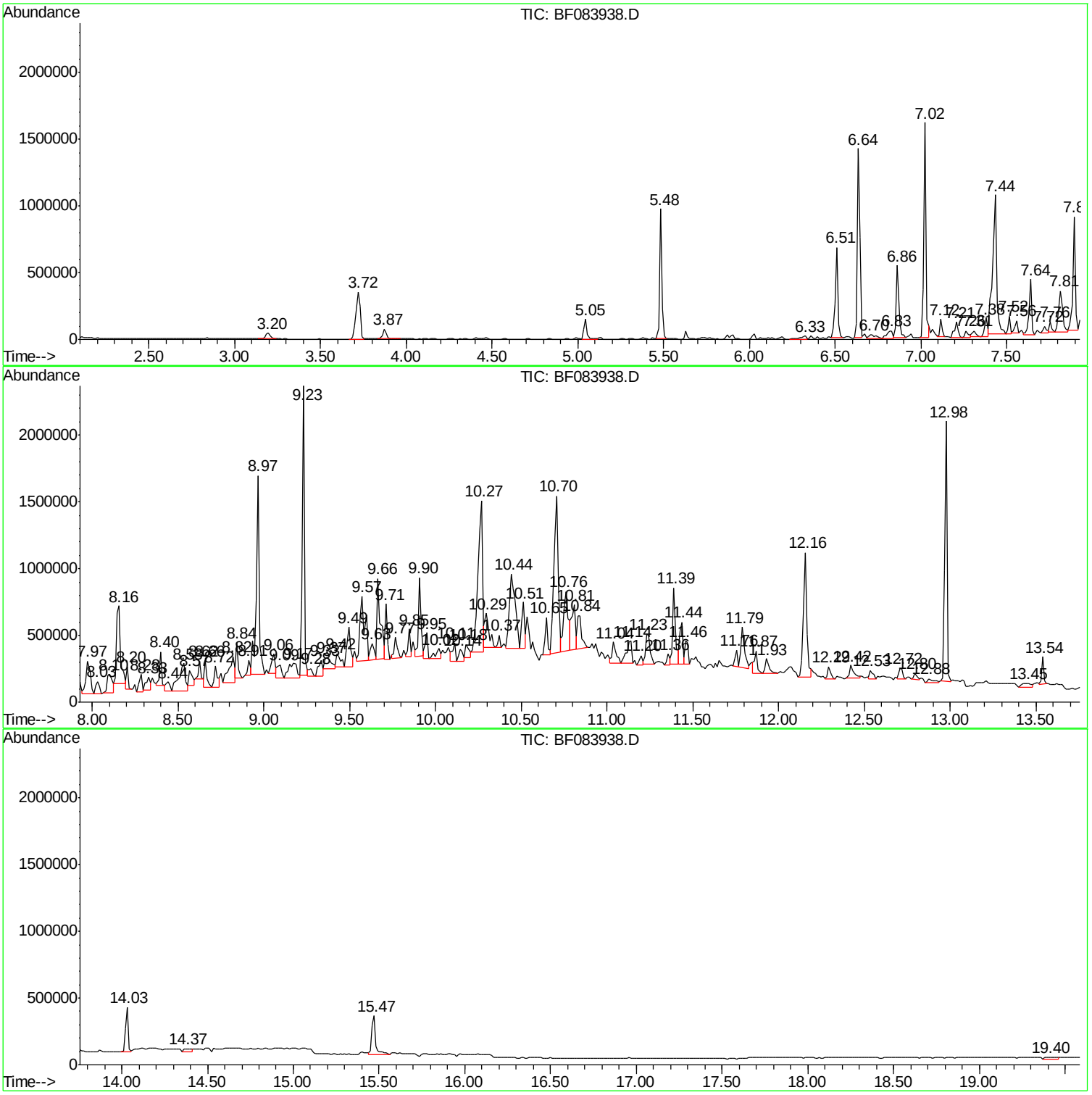
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

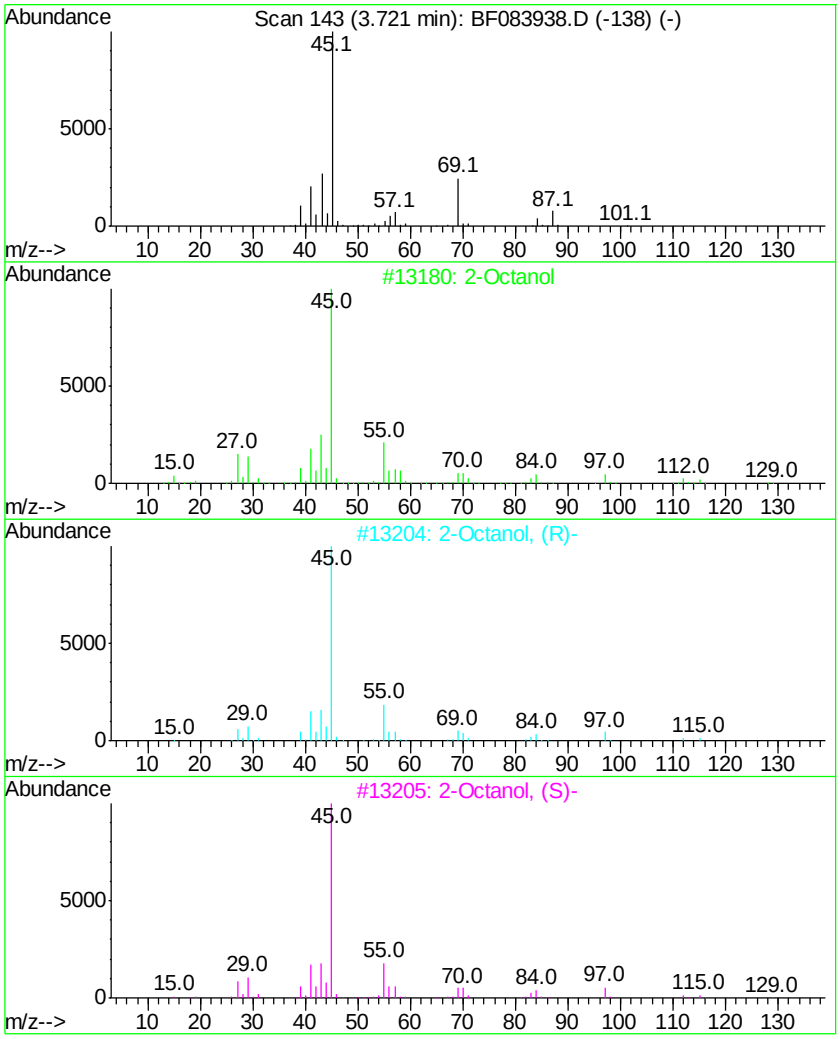
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

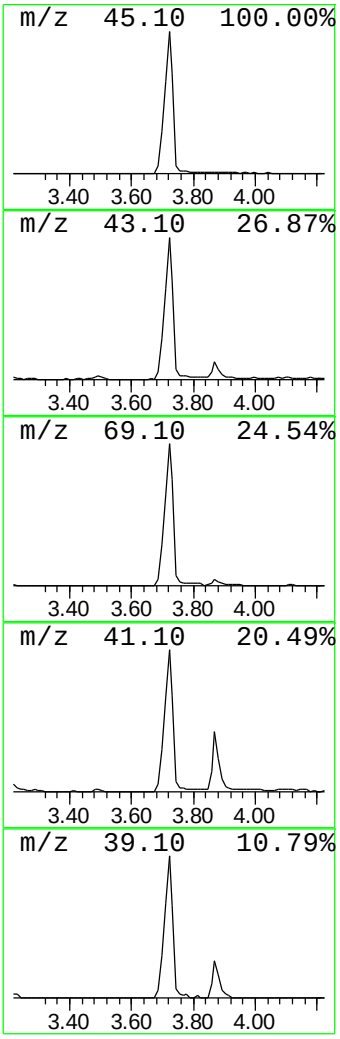
****

Peak Number 1 2-Octanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	26.36 ng	672123	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanol	130	C8H18O	000123-96-6	78
2	2-Octanol, (R)-	130	C8H18O	005978-70-1	78
3	2-Octanol, (S)-	130	C8H18O	006169-06-8	78
4	2-Hexanol	102	C6H14O	000626-93-7	78
5	2-Heptanol	116	C7H16O	000543-49-7	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

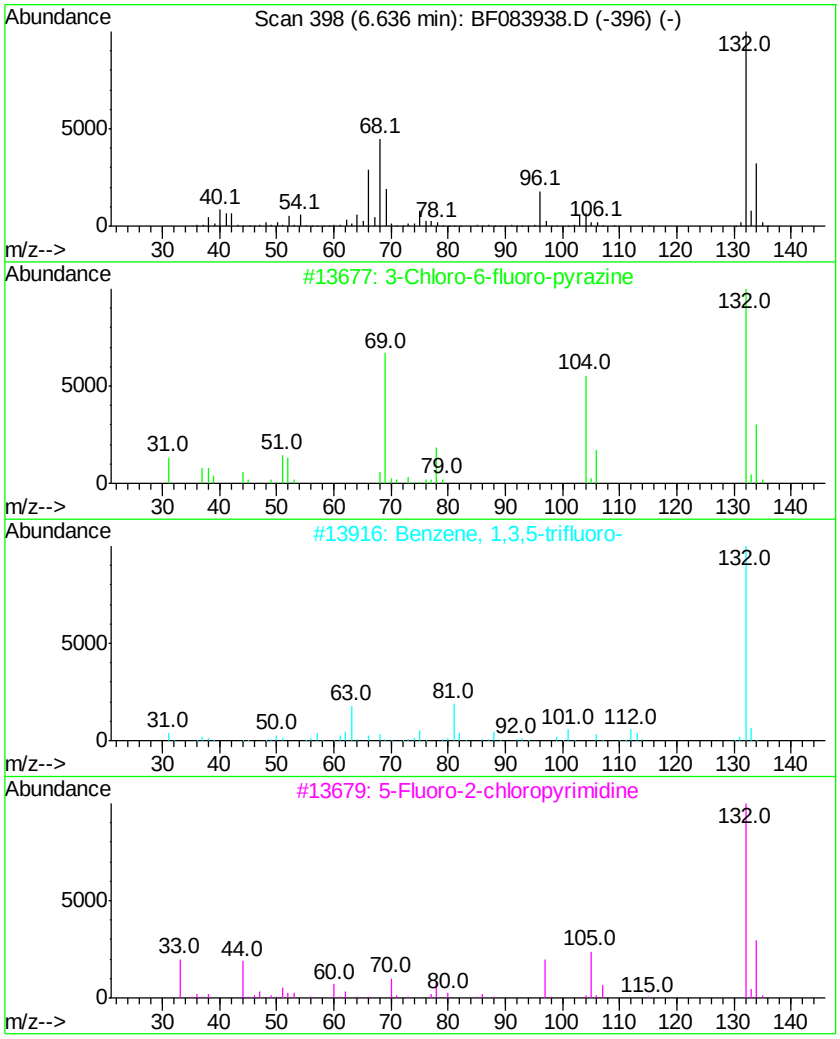
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

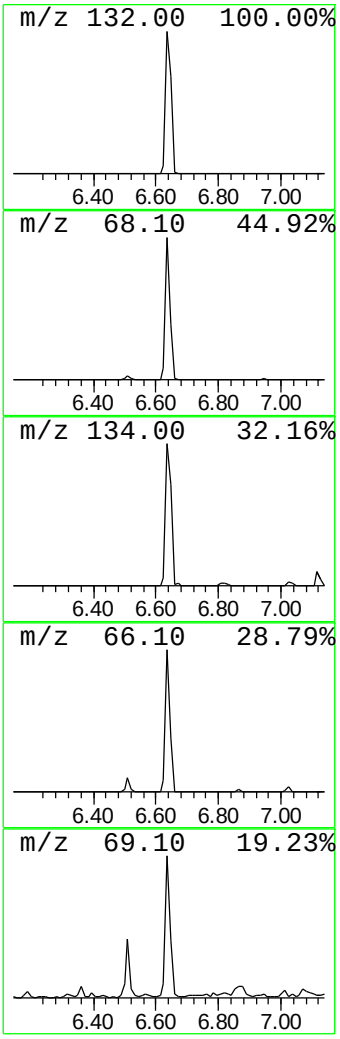
****

Peak Number 2 unknown6.64 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	61.29 ng	1563030	1,4-Dichlorobenzene-d4	6.86

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	14
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

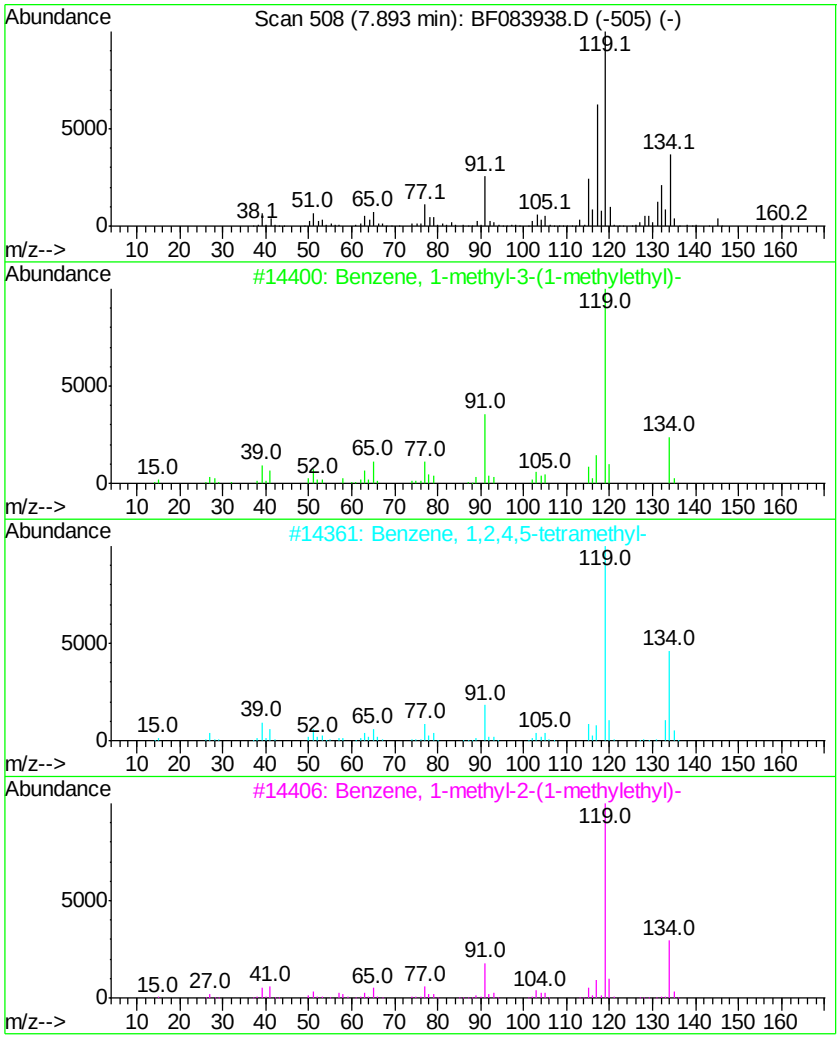
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

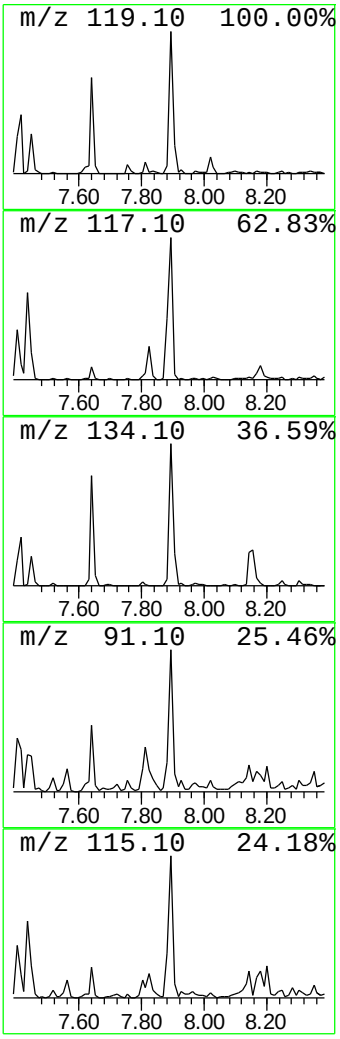
****

Peak Number 4 Benzene, 1-methyl-3-(1-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	17.65 ng	840111	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	60
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	55
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

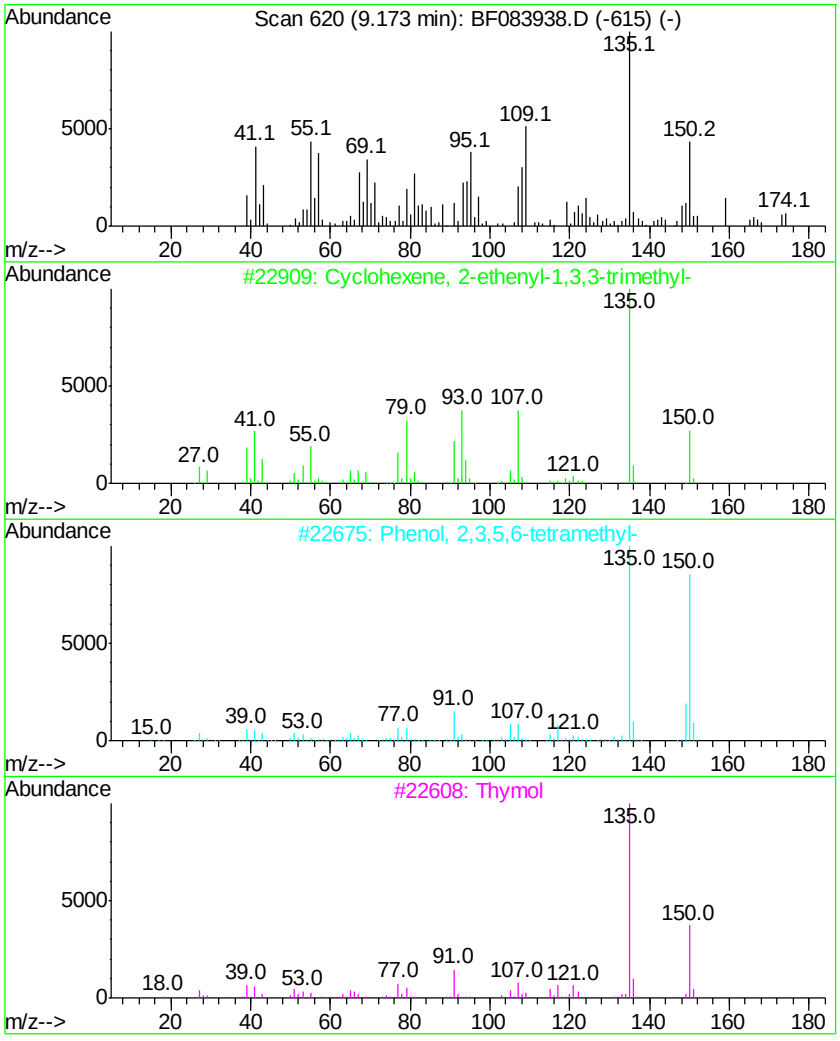
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

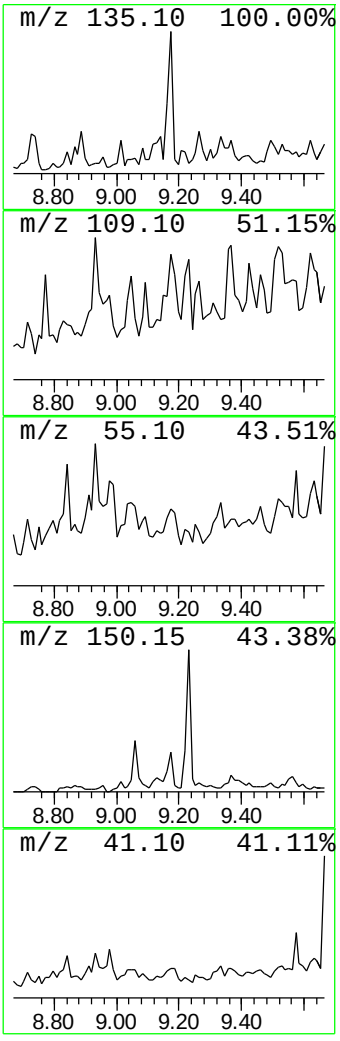
****

Peak Number 6 unknown9.17 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	11.90 ng	366136	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	43
2	Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	43
3	Thymol	150	C10H14O	000089-83-8	38
4	Phenol, 2-ethyl-4,5-dimethyl-	150	C10H14O	002219-78-5	38
5	3-Methyl-4-isopropylphenol	150	C10H14O	003228-02-2	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

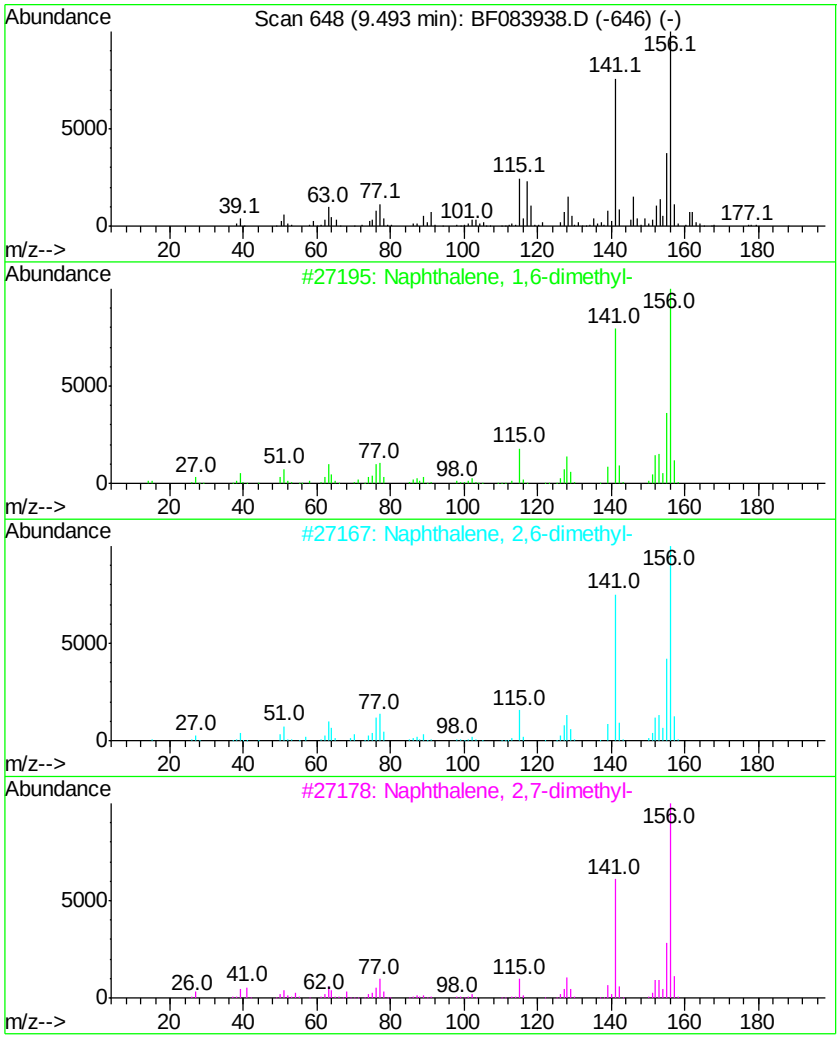
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

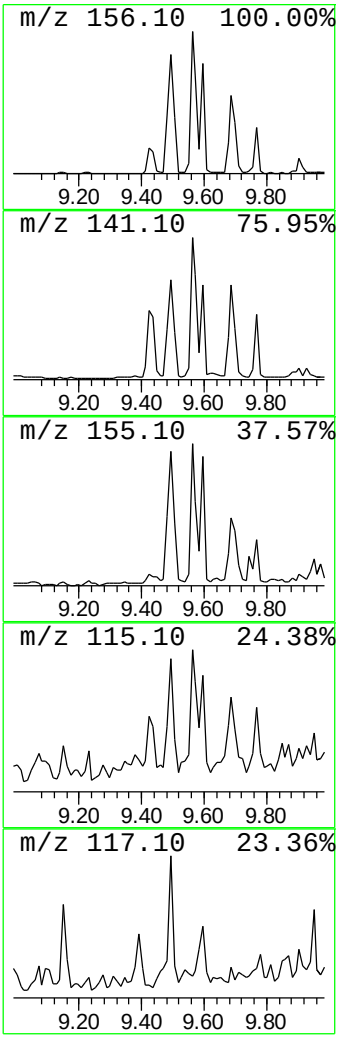
****

Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	13.90 ng	427414	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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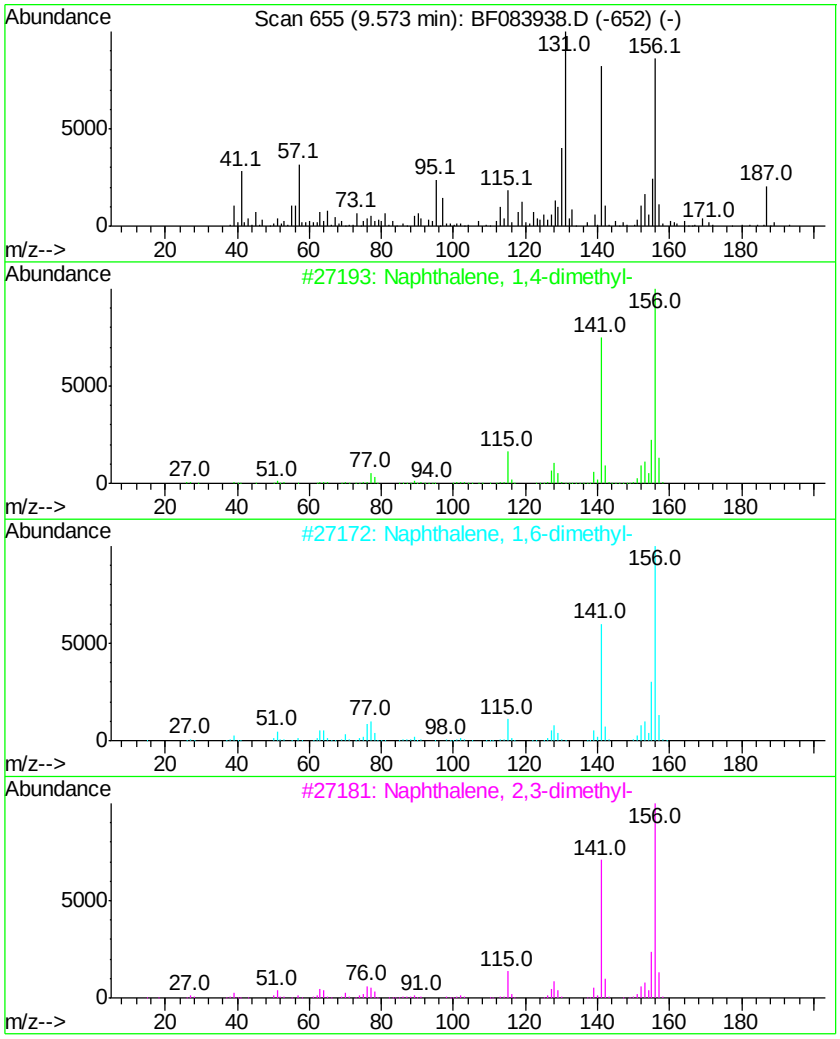
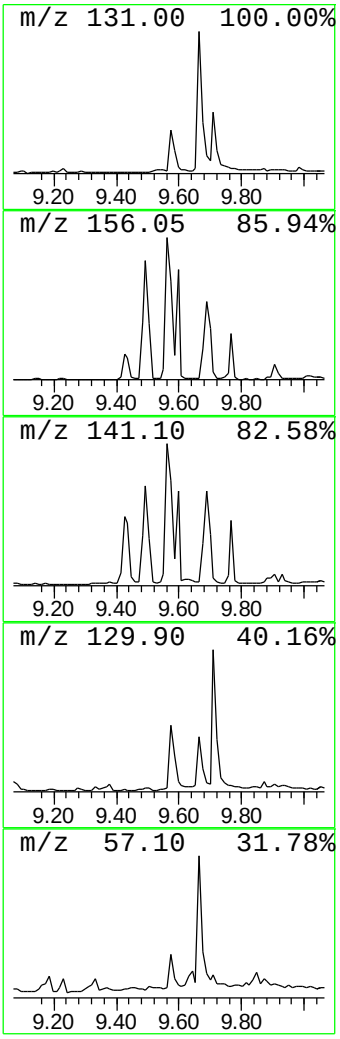
Peak Number 8 Naphthalene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	31.57 ng	971021	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	89
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	87





Library Search Compound Report

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Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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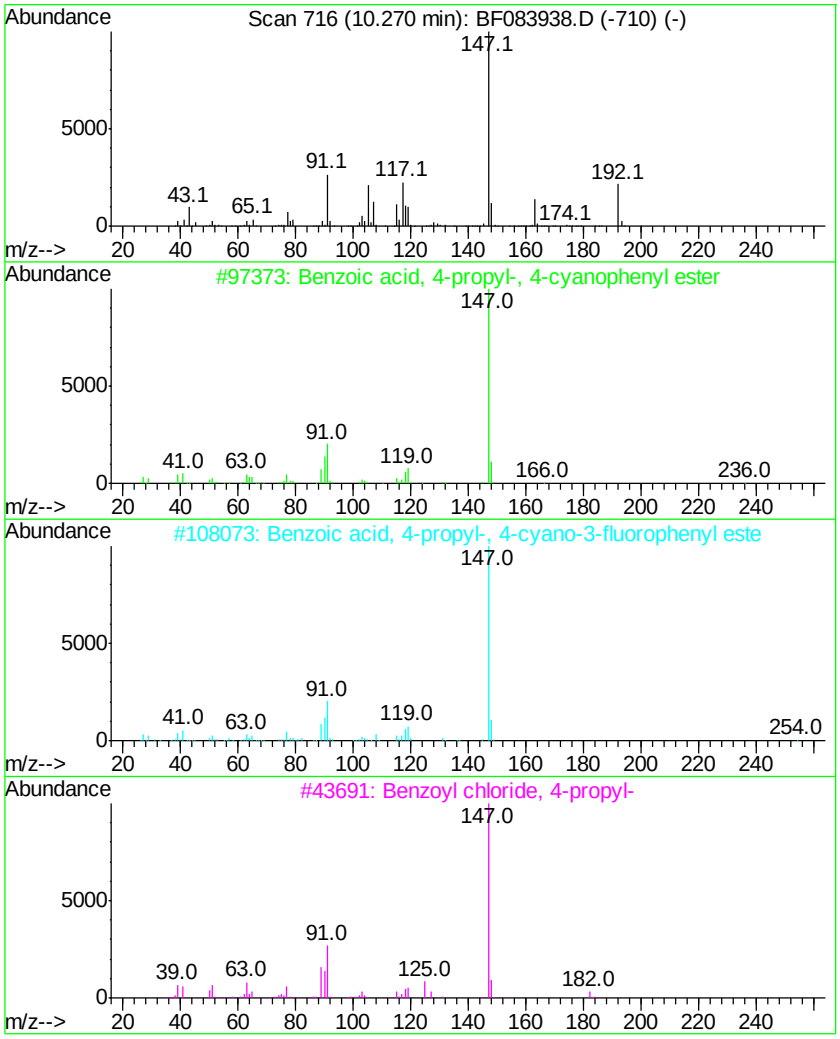
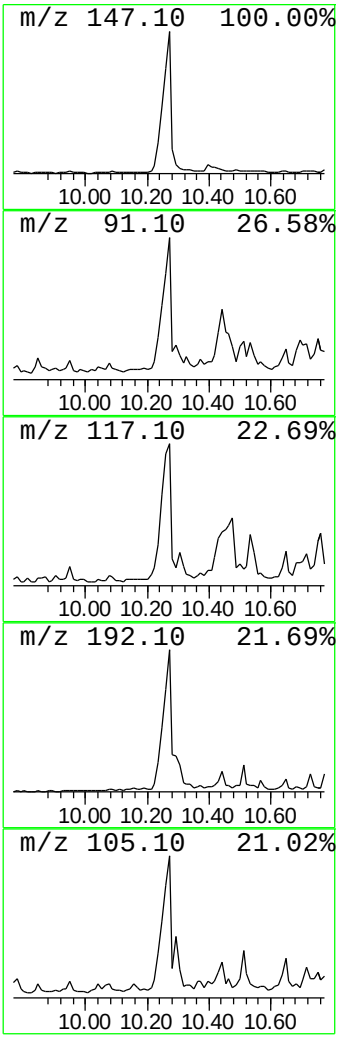
Peak Number 10 unknown10.27 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	71.87 ng	2210560	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-propyl-, 4-cyano...	265	C17H15NO2	056131-49-8	43
2	Benzoic acid, 4-propyl-, 4-cyano...	283	C17H14FNO2	086776-51-4	43
3	Benzoyl chloride, 4-propyl-	182	C10H11ClO	052710-27-7	43
4	1-Butanone, 2-chloro-3-methyl-1-...	238	C14H19ClO	055955-90-3	38
5	Benzoic acid, 2,4,6-trimethyl-, ...	282	C19H22O2	001504-38-7	38





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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

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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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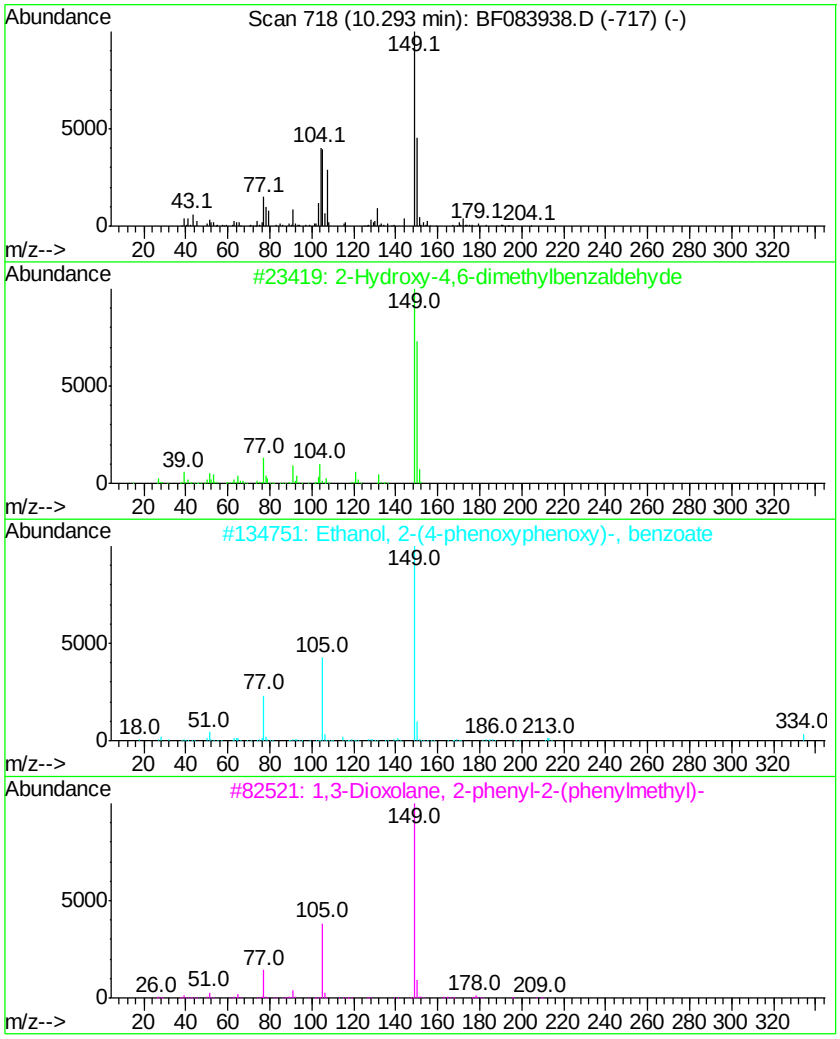
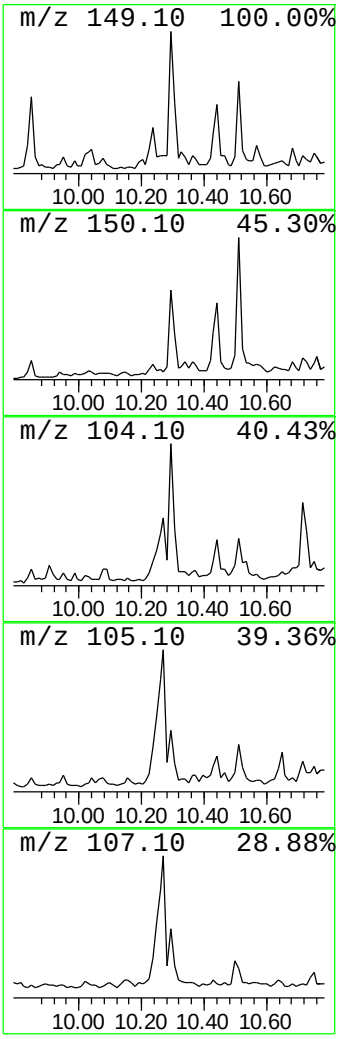
Peak Number 11 unknown10.29 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	12.88 ng	396250	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-4,6-dimethylbenzaldehyde	150	C9H10O2	001666-02-0	42
2	Ethanol, 2-(4-phenoxyphenoxy)-, ...	334	C21H18O4	055191-59-8	27
3	1,3-Dioxolane, 2-phenyl-2-(phenyl...	240	C16H16O2	004362-19-0	27
4	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	25
5	2,4-Dimethyl-3-phenylhex-5-en-3-ol	204	C14H20O	342625-00-7	17





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Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
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TIC Library : C:\DATABASE\NIST02.L
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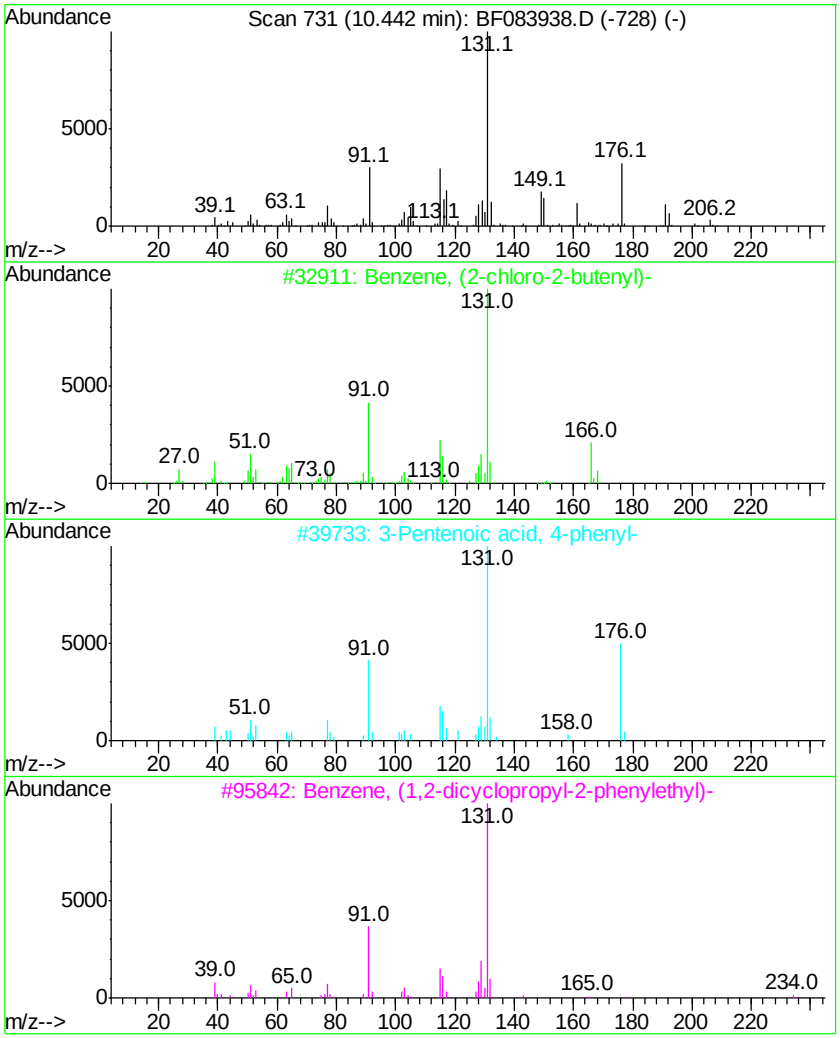
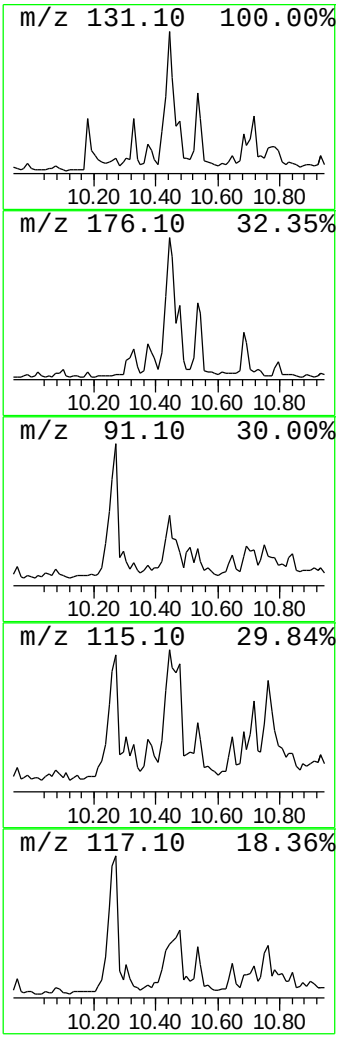
Peak Number 12 Benzene, (2-chloro-2-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	45.20 ng	1390370	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	90
2	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	68
3	Benzene, (1,2-dicyclopropyl-2-ph...	262	C20H22	110330-90-0	49
4	Naphthalene, 1-ethyl-1,2,3,4-tet...	160	C12H16	013556-58-6	49
5	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	47





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Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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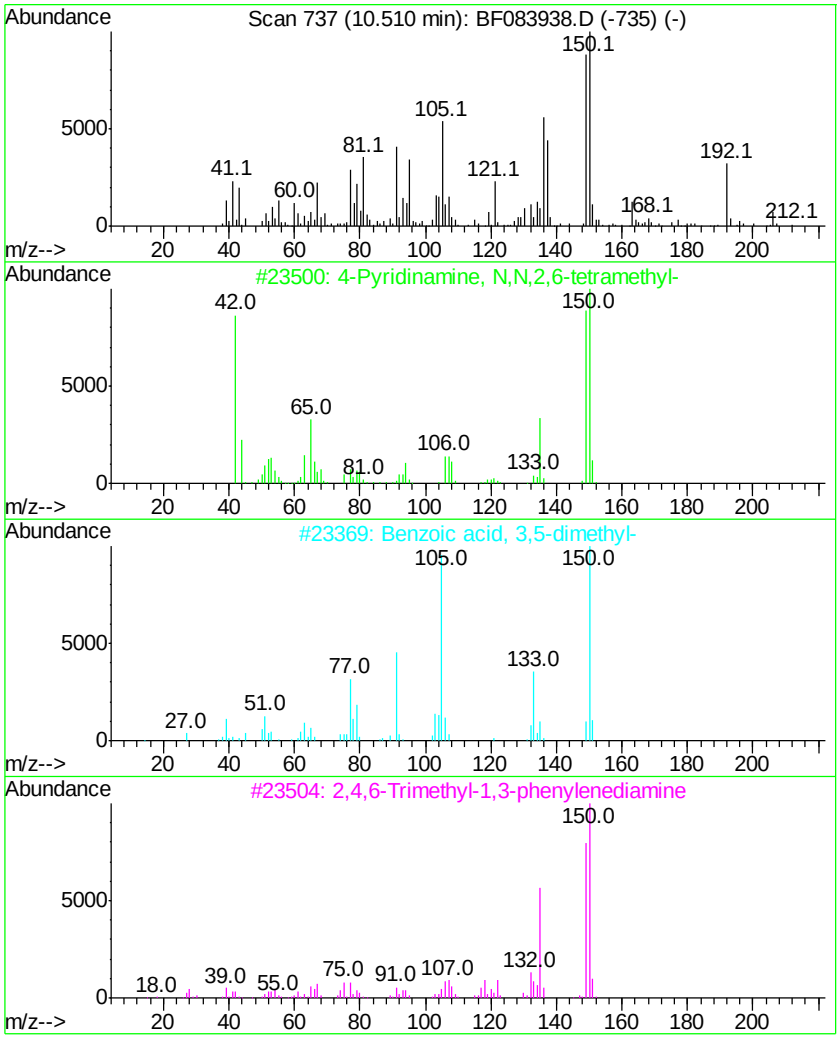
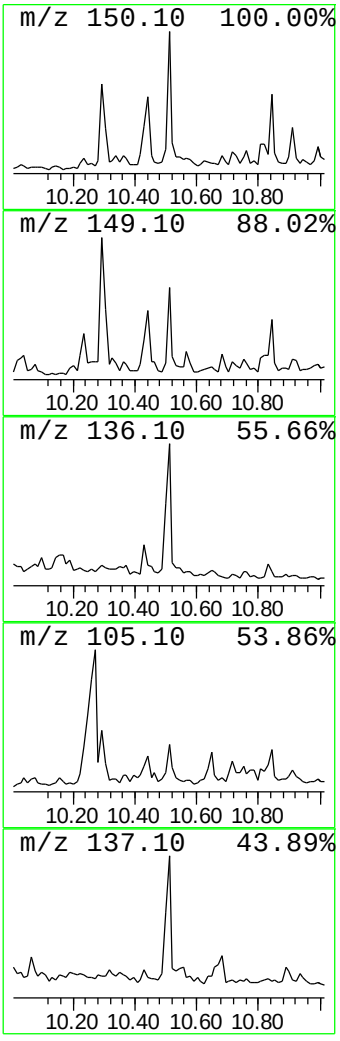
Peak Number 13 4-Pyridinamine, N,N,2,6-tet... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	14.20 ng	436702	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinamine, N,N,2,6-tetramet...	150	C9H14N2	129384-12-9	50
2	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	47
3	2,4,6-Trimethyl-1,3-phenylenedia...	150	C9H14N2	003102-70-3	46
4	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	46
5	5-Formylsalicylaldehyde	150	C8H6O3	003328-70-9	43





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Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
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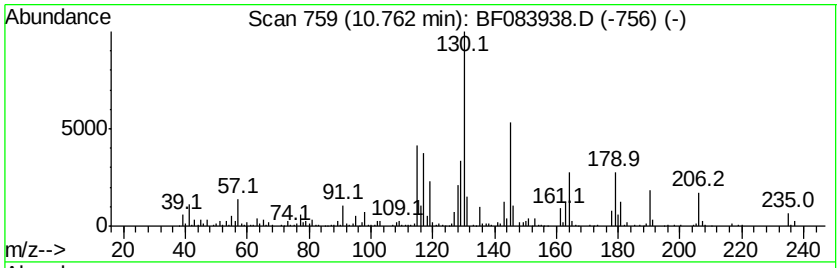
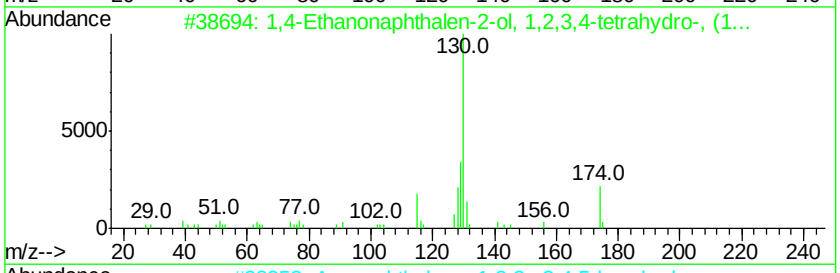
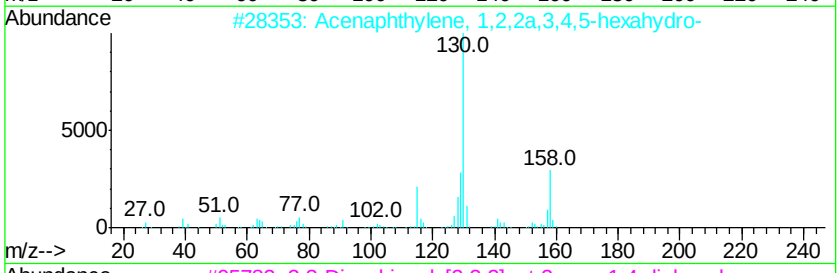
Peak Number 14 unknown10.76 Concentration Rank 7

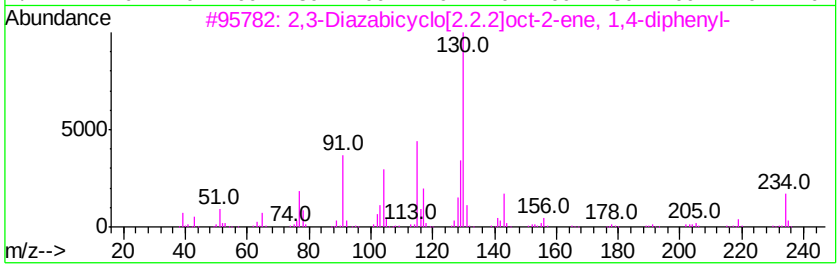
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	31.94 ng	941056	Phenanthrene-d10	11.39

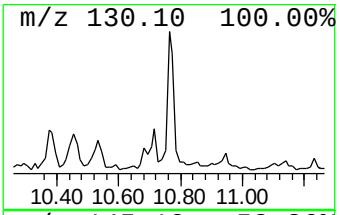
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Ethanonaphthalen-2-ol, 1,2,3...	174	C12H14O	013153-77-0	43
2	Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	43
3	2,3-Diazabicyclo[2.2.2]oct-2-ene...	262	C18H18N2	087433-33-8	43
4	6-Phenyl-5-hexenoic acid, methyl...	204	C13H16O2	1000281-31-8	43
5	2-Acetoxytetralin	190	C12H14O2	1000146-07-5	43

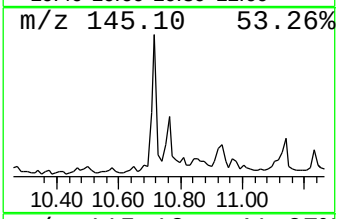


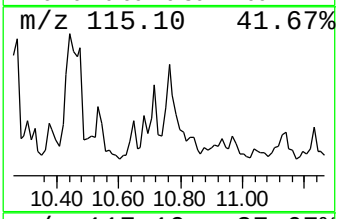


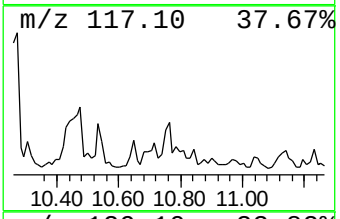


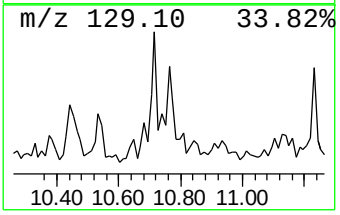












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Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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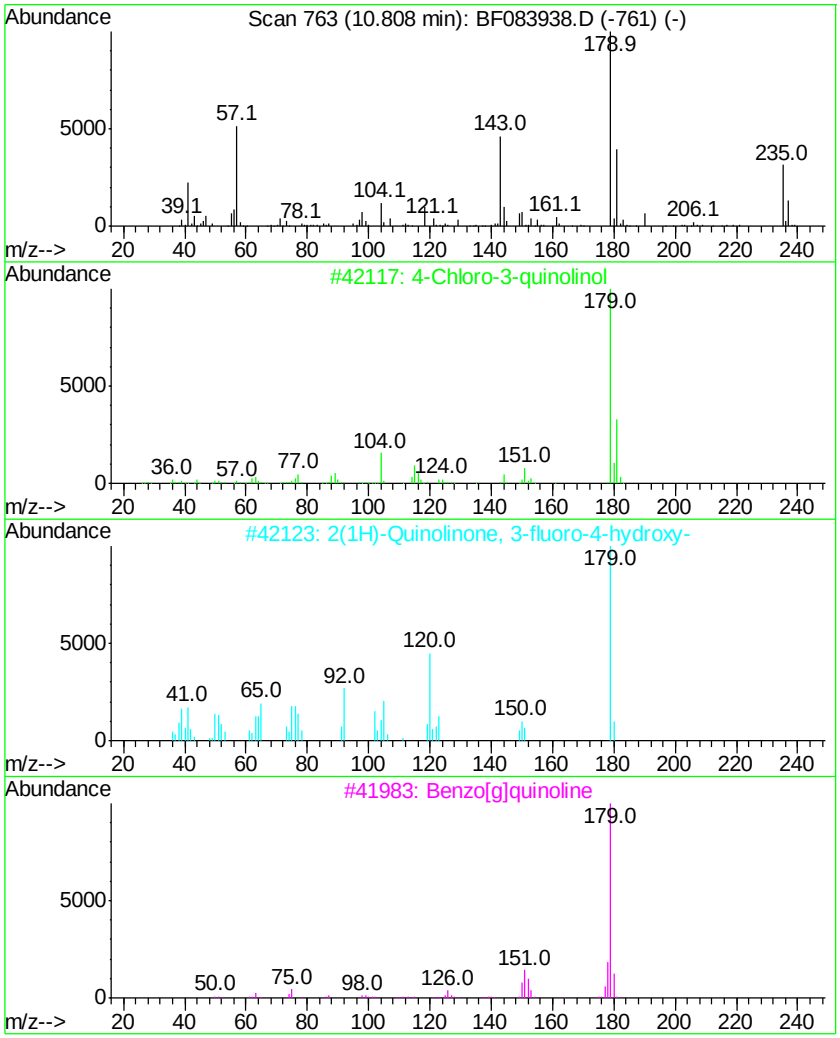
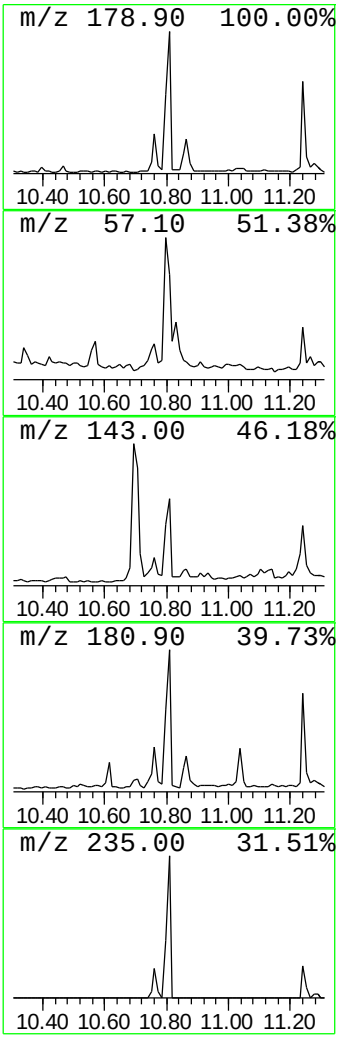
Peak Number 15 unknown10.81 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	16.10 ng	474238	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-3-quinolinol	179	C9H6ClNO	032435-60-2	25
2	2(1H)-Quinolinone, 3-fluoro-4-hy...	179	C9H6FNO2	144603-84-9	12
3	Benzo[g]quinoline	179	C13H9N	000260-36-6	10
4	Acetic acid, 2,2'-sulfonylbis-, ...	210	C6H10O6S	016002-30-5	10
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	9





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Instrument : BNA_F
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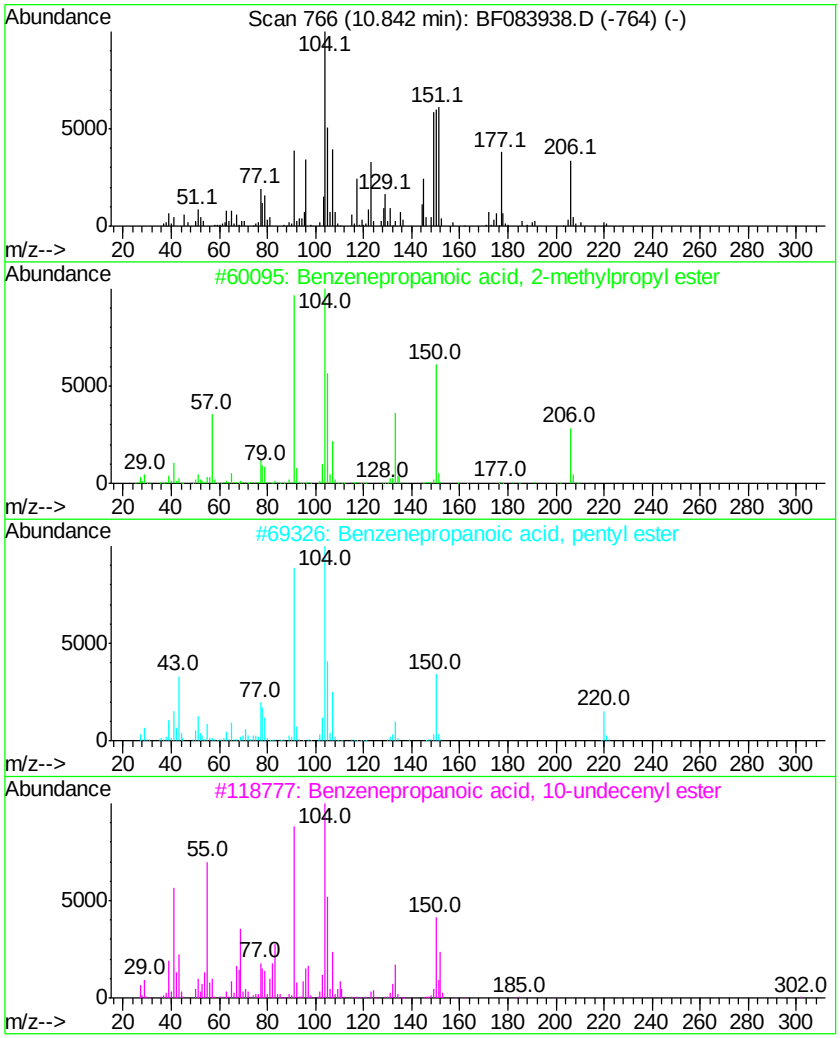
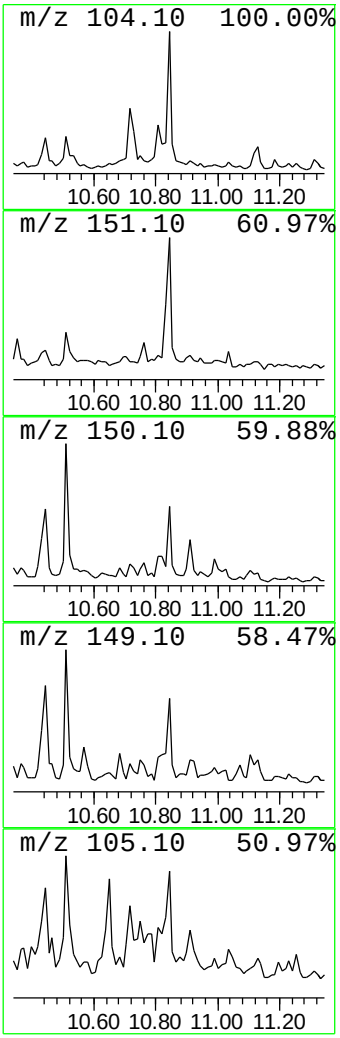
Peak Number 16 unknown10.84 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	15.26 ng	449512	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, 2-methylp...	206	C13H18O2	028048-94-4	38
2	Benzenepropanoic acid, pentyl ester	220	C14H20O2	232949-65-4	35
3	Benzenepropanoic acid, 10-undece...	302	C20H30O2	1000281-79-0	35
4	Benzenepropanoic acid, ethyl ester	178	C11H14O2	002021-28-5	14
5	2,4,6-Trimethyl-1,3-phenylenedia...	150	C9H14N2	003102-70-3	11





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TIC Integration Parameters: LSCINT.P

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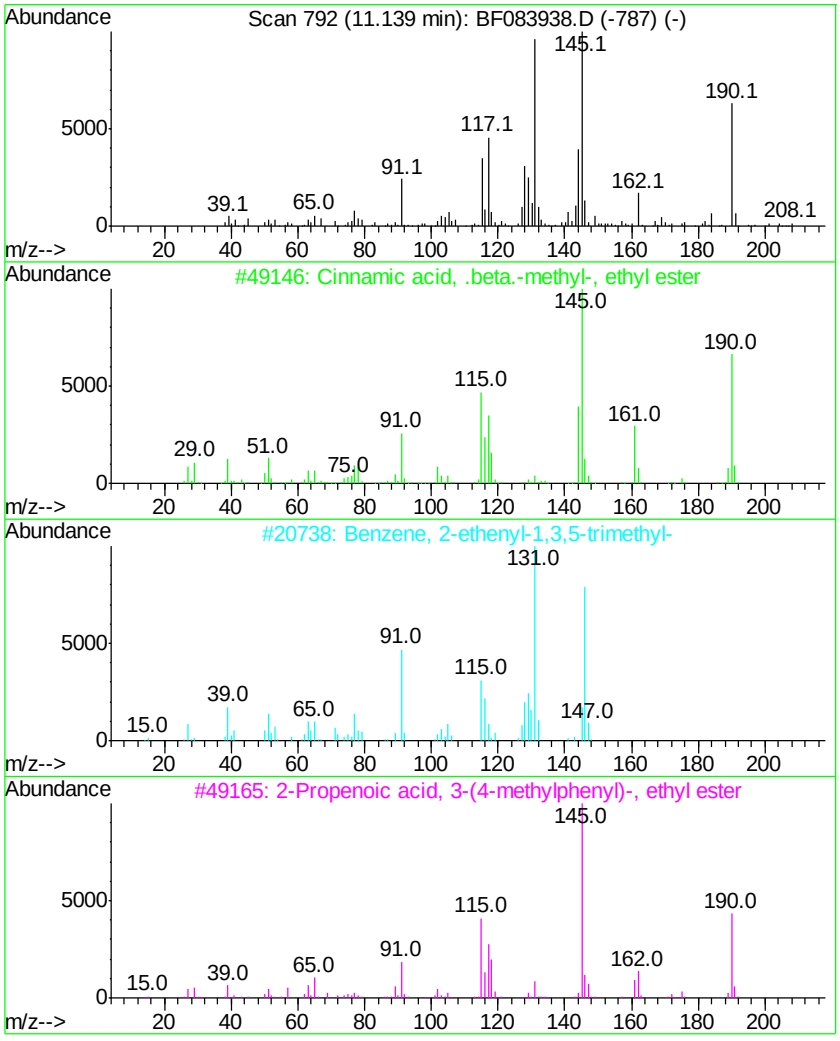
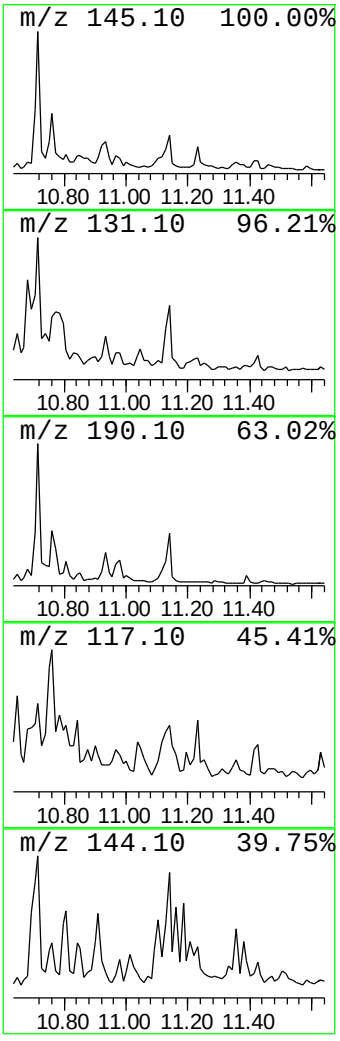
Peak Number 17 unknown11.14 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	12.48 ng	367760	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamic acid, .beta.-methyl-, e...	190	C12H14O2	000945-93-7	47
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	38
3	2-Propenoic acid, 3-(4-methylphe...	190	C12H14O2	020511-20-0	35
4	Quinoline, 2-(2-methylpropoxy)-	201	C13H15NO	056273-37-1	35
5	5-Chloro-4-fluoro-2-nitroaniline	190	C6H4ClFN2O2	104222-34-6	30





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

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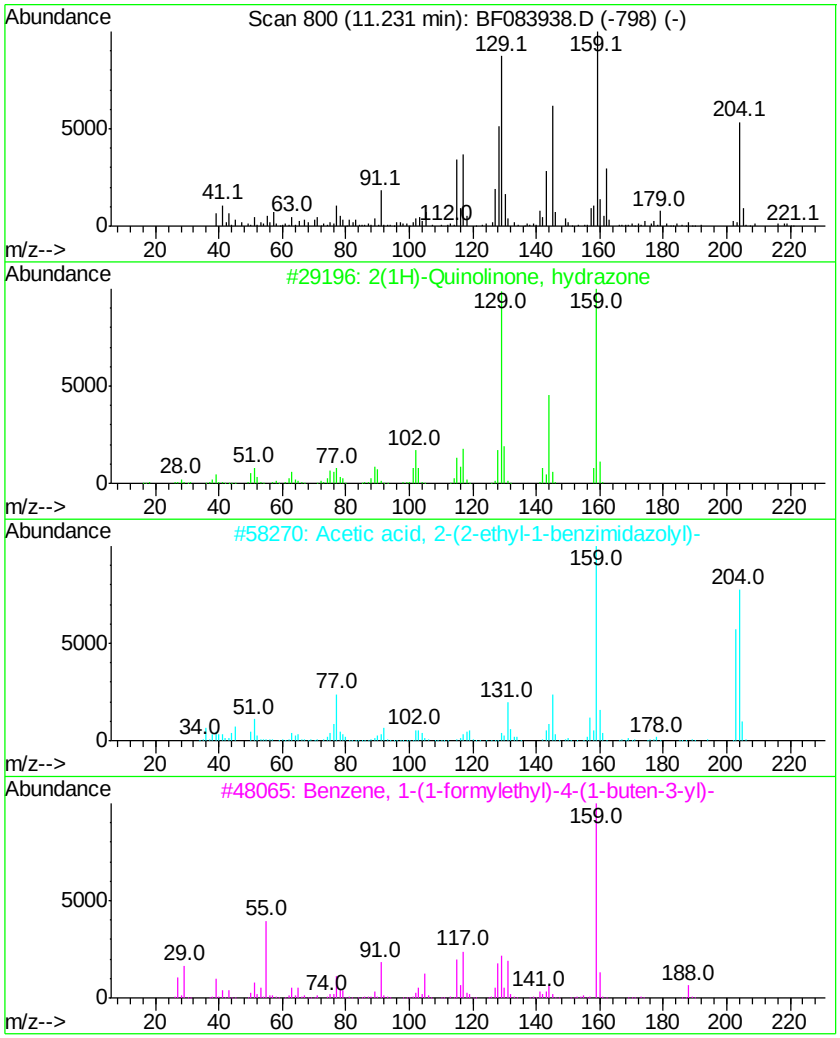
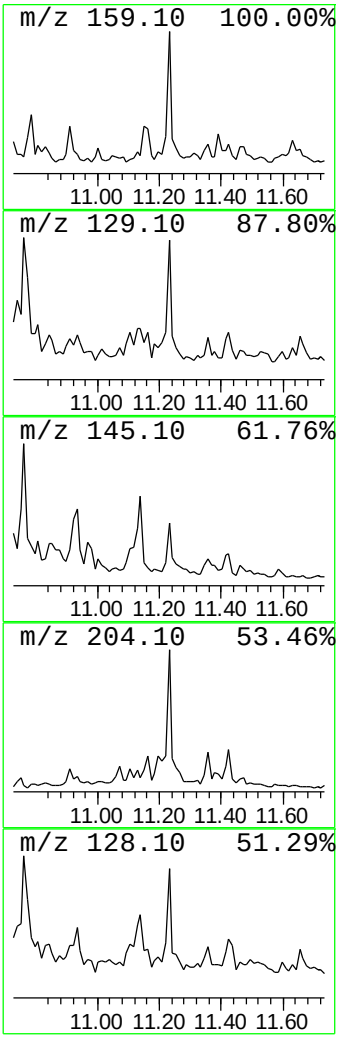
Peak Number 18 unknown11.23 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	14.66 ng	431793	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	49
2	Acetic acid, 2-(2-ethyl-1-benzim...	204	C11H12N2O2	054980-96-0	27
3	Benzene, 1-(1-formylethyl)-4-(1-...	188	C13H16O	1000161-46-6	22
4	Benzeneacetic acid, 3-(trifluoro...	204	C9H7F3O2	000351-35-9	22
5	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	15





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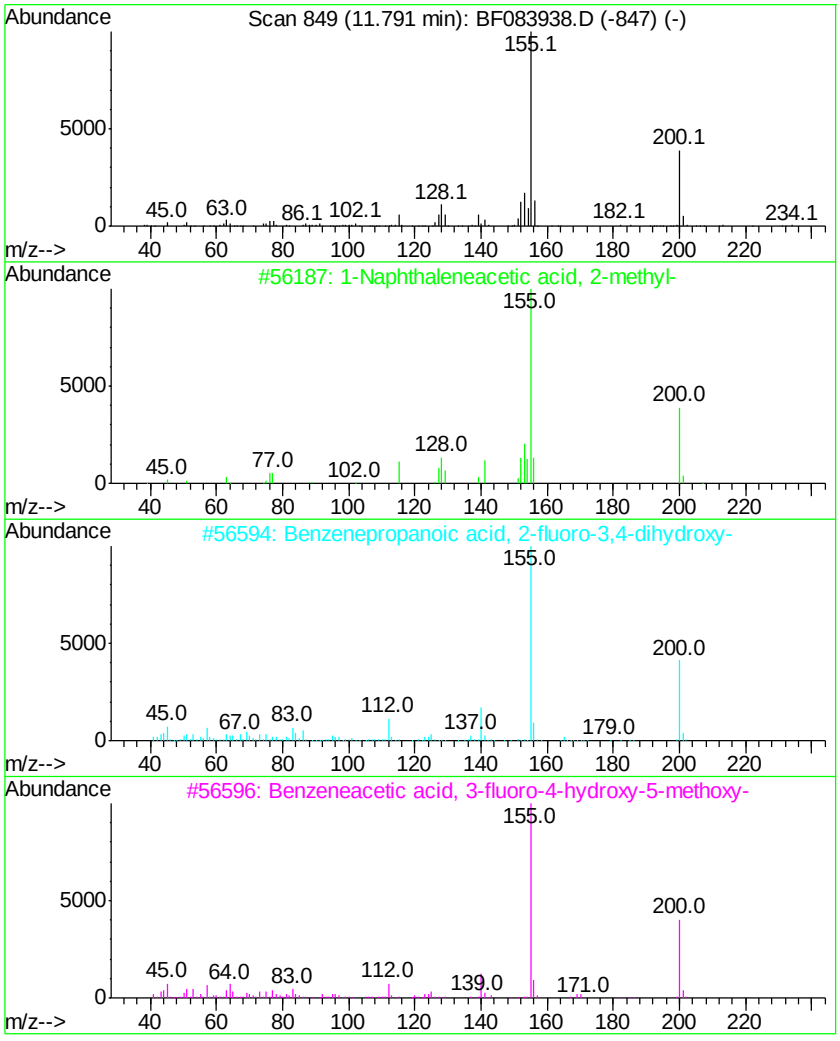
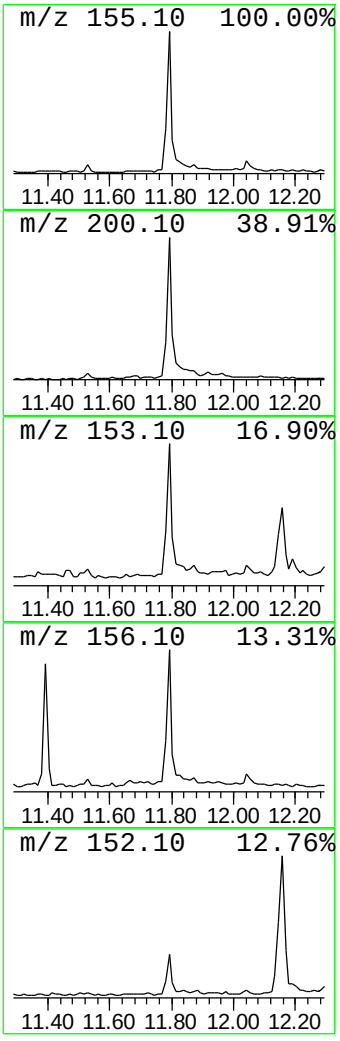
Peak Number 19 1-Naphthaleneacetic acid, 2... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	13.65 ng	402223	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthaleneacetic acid, 2-methyl-	200	C13H12O2	000085-08-5	90
2	Benzenepropanoic acid, 2-fluoro-...	200	C9H9FO4	1000116-44-0	59
3	Benzeneacetic acid, 3-fluoro-4-h...	200	C9H9FO4	114669-81-7	59
4	Benzeneacetic acid, 2-fluoro-4-h...	200	C9H9FO4	140146-47-0	59
5	Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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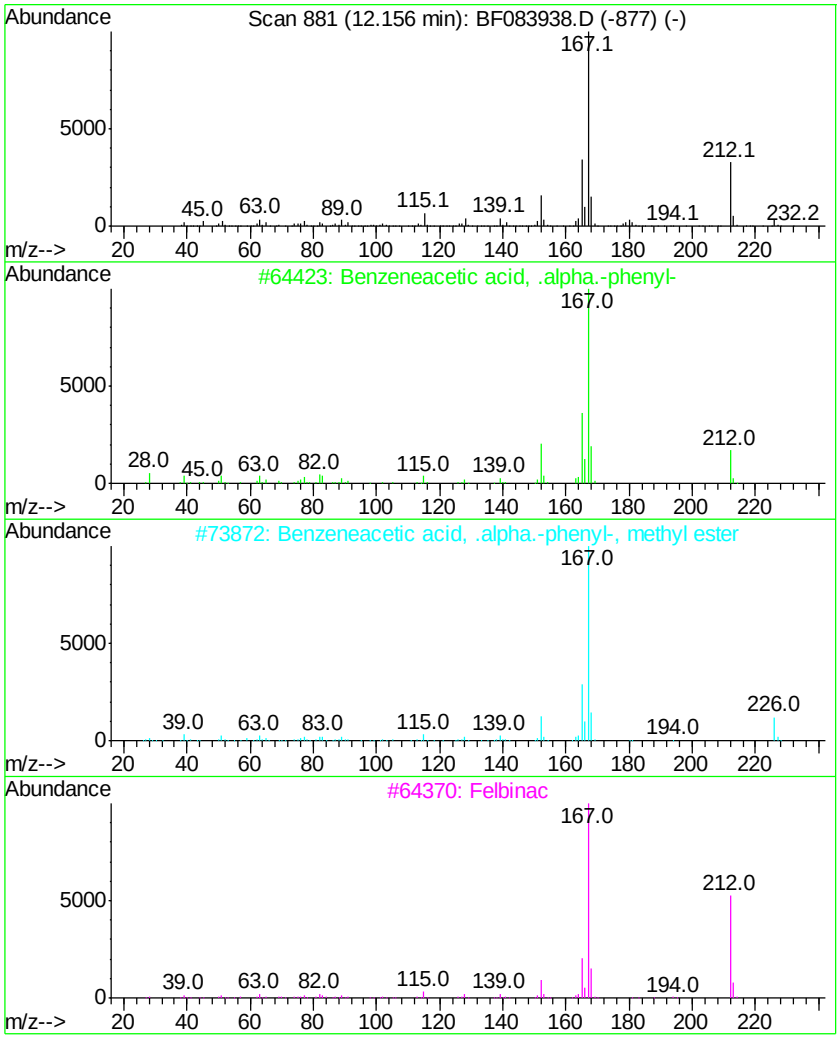
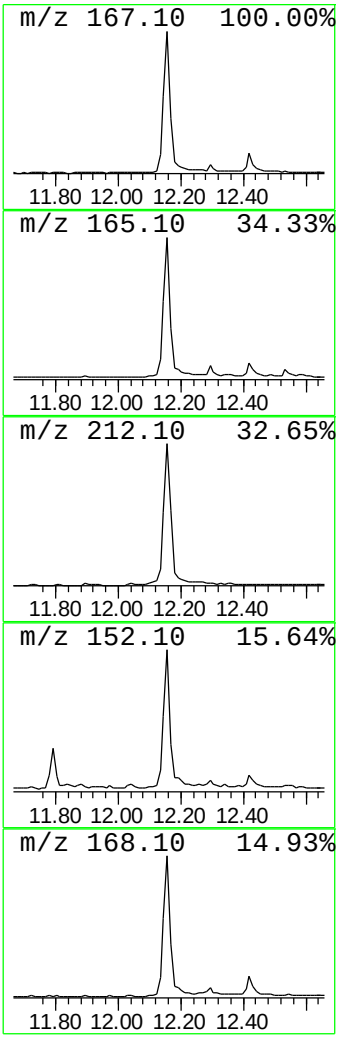
Peak Number 20 Benzeneacetic acid, .alpha.... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	47.37 ng	1395600	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, .alpha.-phenyl-	212	C14H12O2	000117-34-0	94
2	Benzeneacetic acid, .alpha.-phen...	226	C15H14O2	003469-00-9	93
3	Felbinac	212	C14H12O2	005728-52-9	93
4	Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	74
5	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
Data File : BF083938.D
Acq On : 19 Dec 2015 3:21
Operator : UM/SJ
Sample : G4840-03
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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-Octanol	3.72	26.4	ng	672123	1	6.86	510049	20.0
unknown6.64	6.64	61.3	ng	1563030	1	6.86	510049	20.0
Benzene, 1-methyl...	7.89	17.6	ng	840111	2	8.16	951839	20.0
unknown9.17	9.17	11.9	ng	366136	3	9.90	615153	20.0
Naphthalene, 1,6-...	9.49	13.9	ng	427414	3	9.90	615153	20.0
Naphthalene, 1,4-...	9.57	31.6	ng	971021	3	9.90	615153	20.0
unknown10.27	10.27	71.9	ng	2210560	3	9.90	615153	20.0
unknown10.29	10.29	12.9	ng	396250	3	9.90	615153	20.0
Benzene, (2-chlor...	10.44	45.2	ng	1390370	3	9.90	615153	20.0
4-Pyridinamine, N...	10.51	14.2	ng	436702	3	9.90	615153	20.0
unknown10.76	10.76	31.9	ng	941056	4	11.39	589255	20.0
unknown10.81	10.81	16.1	ng	474238	4	11.39	589255	20.0
unknown10.84	10.84	15.3	ng	449512	4	11.39	589255	20.0
unknown11.14	11.14	12.5	ng	367760	4	11.39	589255	20.0
unknown11.23	11.23	14.7	ng	431793	4	11.39	589255	20.0
1-Naphthaleneacet...	11.79	13.7	ng	402223	4	11.39	589255	20.0
Benzeneacetic aci...	12.16	47.4	ng	1395600	4	11.39	589255	20.0