LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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	5.035	256	258	262	rVB	90432	124445	4.99%	0.267%
2	5.481	295	297	299	rBV	579258	654628	26.24%	1.403%
3	5.630	306	310	312	rBV	21192	30801	1.23%	0.066%
4	5.870	329	331	335	rBV3	24833	41604	1.67%	0.089%
5	6.030	342	345	347	rBV	258636	264251	10.59%	0.566%
6	6.327	369	371	373	rVB	209005	259168	10.39%	0.555%
7	6.510	384	387	389	rBV	406762	425688	17.06%	0.912%
8	6.544	389	390	395	rVB	38429	50873	2.04%	0.109%
9	6.636	395	398	400	rBV	1293918	1189125	47.67%	2.548%
10	6.693	400	403	410	rVB2	82688	143682	5.76%	0.308%
11	6.819	410	414	416	rBV2	103806	179046	7.18%	0.384%
12	6.864	416	418	420	rBV	398998	346409	13.89%	0.742%
13	6.921	422	423	429	rVB4	94098	106930	4.29%	0.229%
14	7.024	429	432	433	rBV	1404447	1389277	55.69%	2.977%
15	7.116	438	440	442	rVV	408395	358280	14.36%	0.768%
16	7.207	445	448	451	rVB2	223232	393599	15.78%	0.844%
17	7.264	451	453	455	rBV2	67353	75463	3.03%	0.162%
18	7.413	463	466	467	rBV2	803047	1313117	52.64%	2.814%
19	7.436	467	468	473	rVV2	1196941	1185521	47.52%	2.541%
20	7.516	473	475	477	rVV	159465	124401	4.99%	0.267%
21	7.561	477	479	480	rVB	123746	132773	5.32%	0.285%
22	7.641	482	486	488	rBV	648107	631140	25.30%	1.353%
23	7.721	491	493	494	rVB2	41771	36689	1.47%	0.079%
24	7.756	494	496	498	rBV	119831	117768	4.72%	0.252%
25	7.824	498	502	505	rVB3	266727	553852	22.20%	1.187%
26	7.893	505	508	510	rBV	1600740	1786950	71.63%	3.830%
27	7.927	510	511	512	rVB	91828	62994	2.53%	0.135%
28	7.973	512	515	518	rBV5	152450	331499	13.29%	0.710%
29	8.019	518	519	523	rBV	80175	118571	4.75%	0.254%
30	8.087	523	525	527	rBV2	136323	170809	6.85%	0.366%
31	8.144	527	530	534	rBV3	521976	934078	37.44%	2.002%
32	8.202	534	535	537	rVB	302192	222945	8.94%	0.478%
33	8.247	537	539	541	rBV2	78445	101562	4.07%	0.218%
34	8.282	541	542	543	rVB	86719	59489	2.38%	0.127%

LSC Area Percent Report

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Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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	8.304	543	544	546	rBV	88154	107240	4.30%	0.230%
36	8.350	546	548	550	rVB2	192124	174429	6.99%	0.374%
37	8.396	550	552	553	rBV	203407	183699	7.36%	0.394%
38	8.430	553	555	558	rVB4	139282	238145	9.55%	0.510%
39	8.476	558	559	562	rBV3	92146	134906	5.41%	0.289%
40	8.533	562	564	566	rVB2	155881	126258	5.06%	0.271%
41	8.579	566	568	570	rBV2	37617	41277	1.65%	0.088%
42	8.624	570	572	573	rBV	224955	215901	8.65%	0.463%
43	8.659	573	575	577	rVB	399251	343293	13.76%	0.736%
44	8.716	578	580	581	rBV2	44068	42282	1.69%	0.091%
45	8.739	581	582	584	rVB2	109135	117136	4.70%	0.251%
46	8.784	584	586	587	rBV2	61743	111519	4.47%	0.239%
47	8.819	587	589	590	rVB	364007	436618	17.50%	0.936%
48	8.864	590	593	594	rBV3	271383	348818	13.98%	0.748%
49	8.887	594	595	597	rVB2	94143	106383	4.26%	0.228%
50	8.933	597	599	600	rBV	112104	171166	6.86%	0.367%
51	8.967	600	602	607	rVB2	1816662	2197980	88.11%	4.711%
52	9.059	607	610	612	rBV3	158035	348113	13.95%	0.746%
53	9.104	612	614	616	rVB	143230	171957	6.89%	0.369%
54	9.162	616	619	621	rVB	641163	902566	36.18%	1.934%
55	9.230	622	625	627	rBV	2016245	1830892	73.39%	3.924%
56	9.264	627	628	630	rVB	230261	216519	8.68%	0.464%
57	9.344	630	635	637	rBV4	400294	759451	30.44%	1.628%
58	9.390	637	639	641	rBV3	134744	188912	7.57%	0.405%
59	9.424	641	642	645	rVB2	149790	207376	8.31%	0.444%
60	9.493	645	648	650	rBV2	268401	342661	13.74%	0.734%
61	9.573	650	655	659	rBV3	987103	2494623	100.00%	5.346%
62	9.665	659	663	664	rBV2	611266	917163	36.77%	1.966%
63	9.687	664	665	668	rVB2	324085	358731	14.38%	0.769%
64	9.767	670	672	674	rVB3	98557	111310	4.46%	0.239%
65	9.813	674	676	677	rBV	297178	274533	11.00%	0.588%
66	9.870	677	681	682	rBV2	545925	851257	34.12%	1.824%
67	9.905	682	684	686	rBV2	737036	848802	34.03%	1.819%
68	9.996	690	692	693	rVB	599400	661005	26.50%	1.417%
69	10.019	693	694	697	rBV3	61340	94846	3.80%	0.203%
70	10.076	697	699	701	rBV2	406722	642829	25.77%	1.378%
71	10.270	710	716	717	rBV3	733054	1954419	78.35%	4.189%

LSC Area Percent Report

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Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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	10.339	721	722	724	rVV	391649	433259	17.37%	0.929%
73	10.407	727	728	729	rVV	180616	192938	7.73%	0.413%
74	10.453	729	732	736	rVV4	768381	2106243	84.43%	4.514%
75	10.533	736	739	742	rVV4	323474	861731	34.54%	1.847%
76	10.579	742	743	747	rVV2	163447	245688	9.85%	0.527%
77	10.659	747	750	751	rVV2	603778	753959	30.22%	1.616%
78	10.705	751	754	757	rVV2	1321563	2023763	81.13%	4.337%
79	10.762	757	759	761	rVV3	369074	748752	30.01%	1.605%
80	10.796	761	762	764	rVV2	425484	529845	21.24%	1.136%
81	10.853	764	767	768	rVV2	340605	513163	20.57%	1.100%
82	10.922	768	773	777	rVV7	99620	411331	16.49%	0.882%
83	11.002	779	780	782	rVV2	77110	92222	3.70%	0.198%
84	11.059	782	785	788	rVV3	166121	361535	14.49%	0.775%
85	11.116	788	790	796	rVB4	173583	494938	19.84%	1.061%
86	11.208	796	798	799	rBV	118501	139925	5.61%	0.300%
87	11.356	809	811	812	rBV	38793	49588	1.99%	0.106%
88	11.390	812	814	815	rVV	458967	384029	15.39%	0.823%
89	11.425	815	817	821	rVB3	75905	172306	6.91%	0.369%
90	11.608	830	833	834	rBV	79768	119875	4.81%	0.257%
91	11.928	859	861	863	rBV	76518	89772	3.60%	0.192%
92	12.145	878	880	882	rBV	111160	131372	5.27%	0.282%
93	12.179	882	883	884	rVB	76576	52531	2.11%	0.113%
94	12.751	931	933	936	rVB	125001	131399	5.27%	0.282%
95	12.979	950	953	955	rBV	1279204	1568698	62.88%	3.362%
96	13.756	1018	1021	1025	rBV	84936	105917	4.25%	0.227%
97	13.871	1029	1031	1037	rVB2	39613	58209	2.33%	0.125%
98	14.019	1042	1044	1047	rVB	286414	333217	13.36%	0.714%
99	14.636	1096	1098	1103	rVB	46893	65126	2.61%	0.140%
100	15.459	1168	1170	1176	rVB	203971	297030	11.91%	0.637%

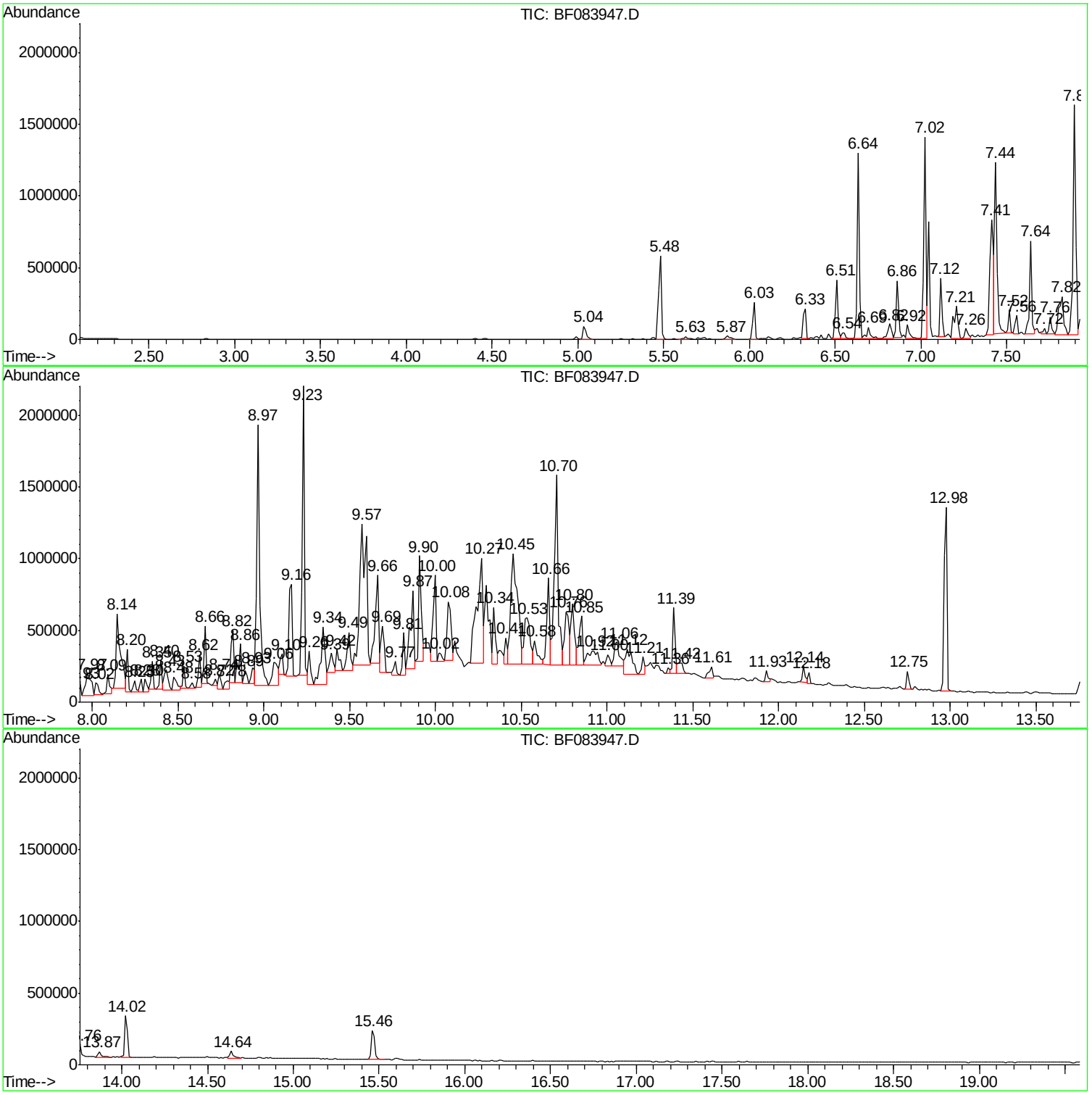
Sum of corrected areas: 46660803

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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 : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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

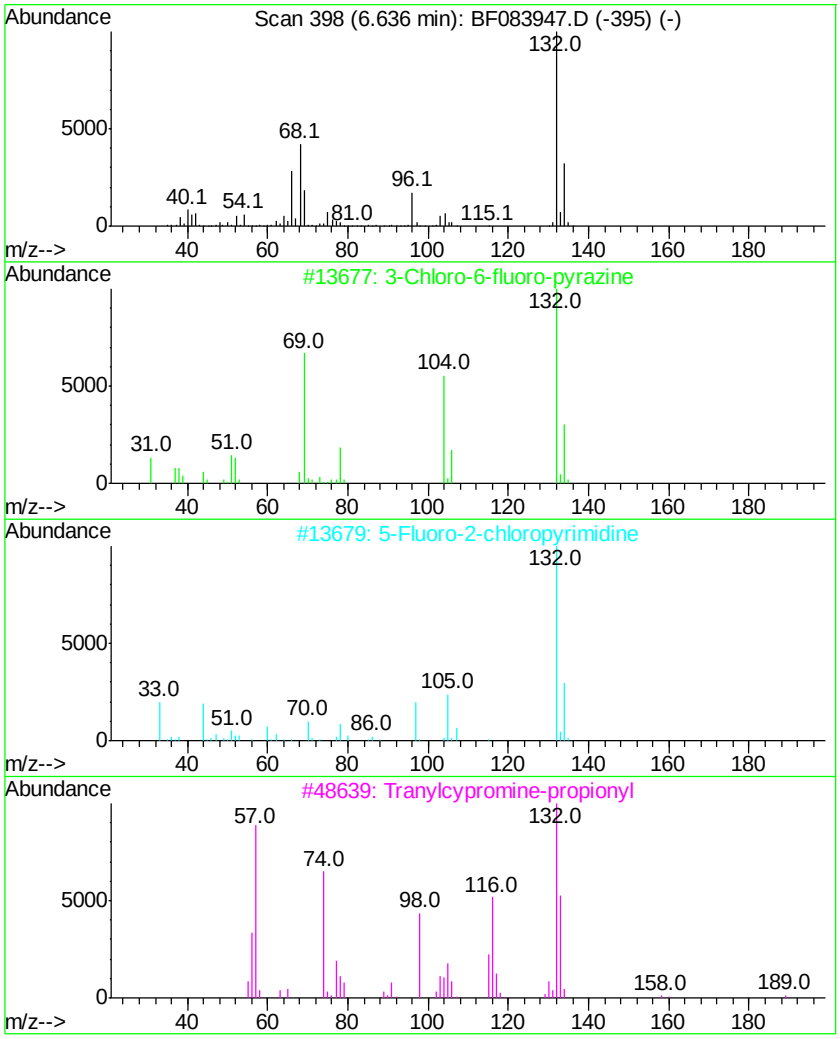
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

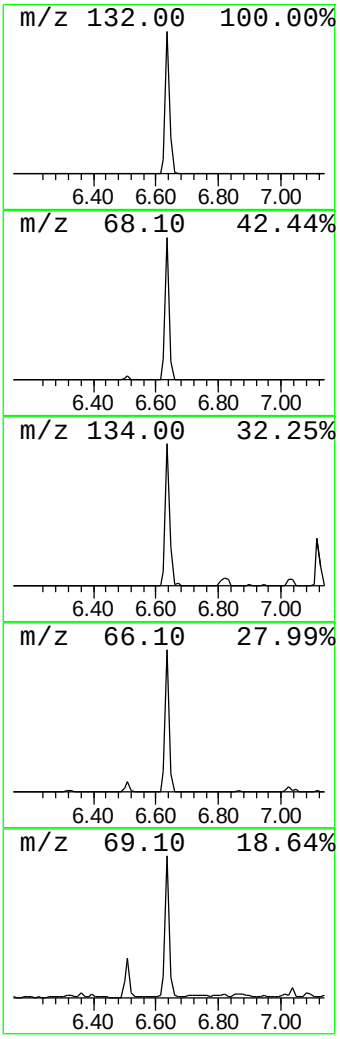
****

Peak Number 1 unknown6.64 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	68.65 ng	1189130	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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

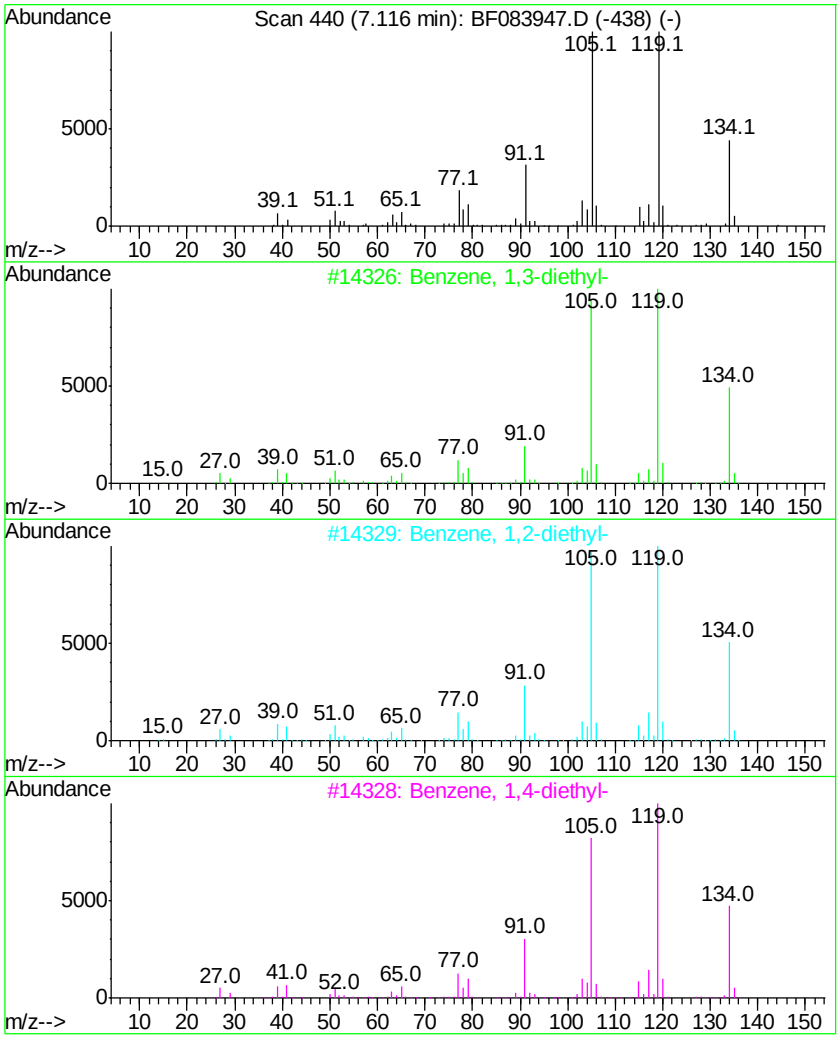
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

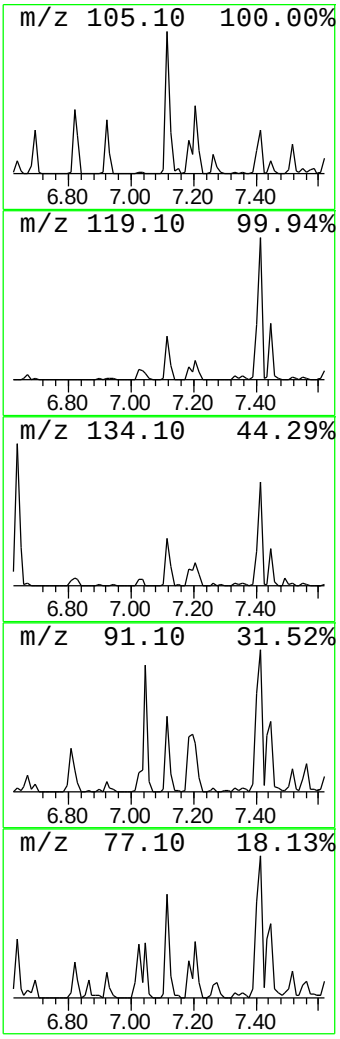
****

Peak Number 3 Benzene, 1,3-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	20.69 ng	358280	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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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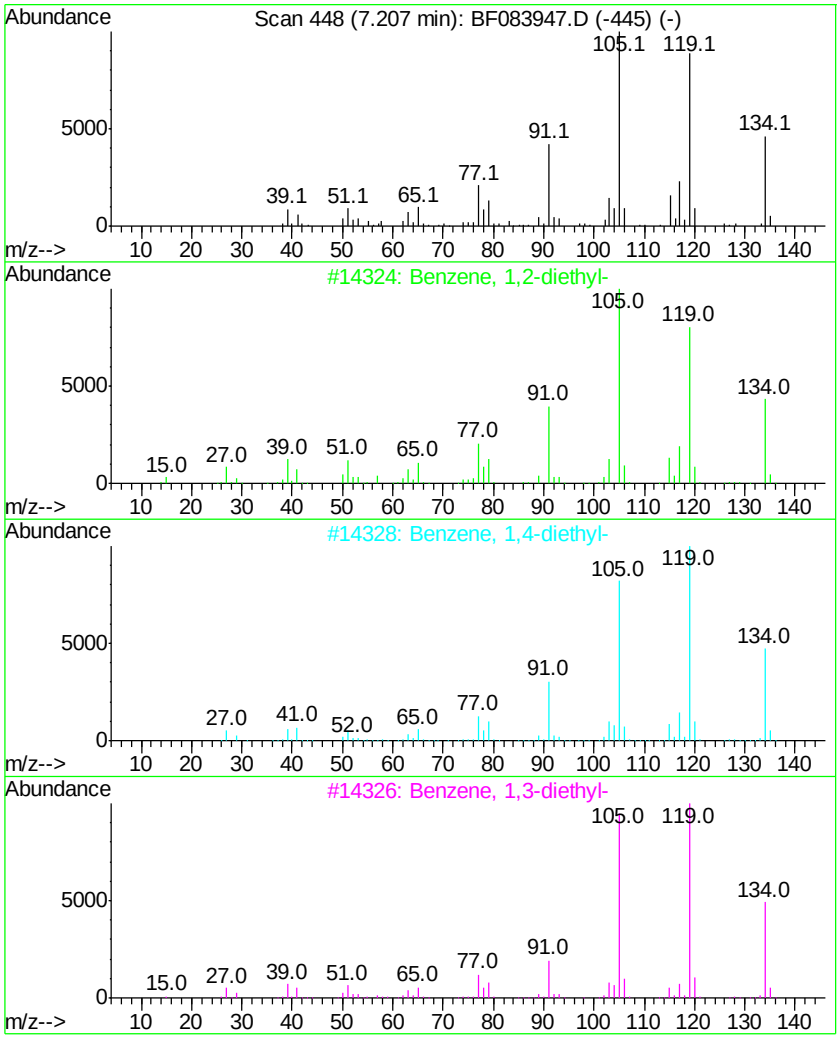
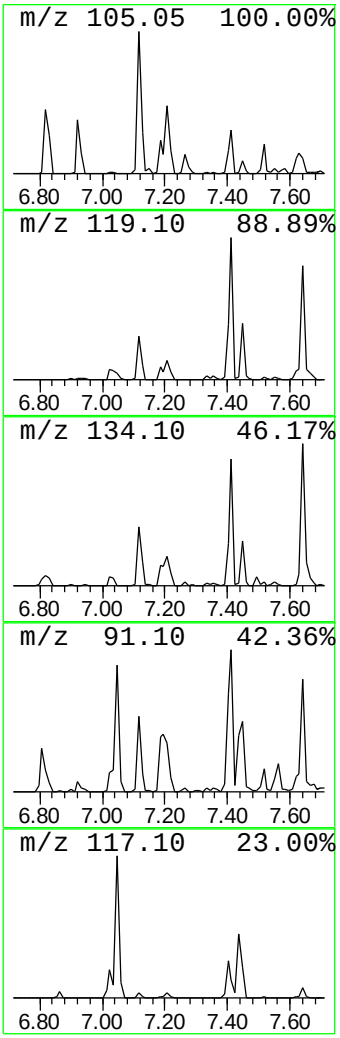
Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	22.72 ng	393599	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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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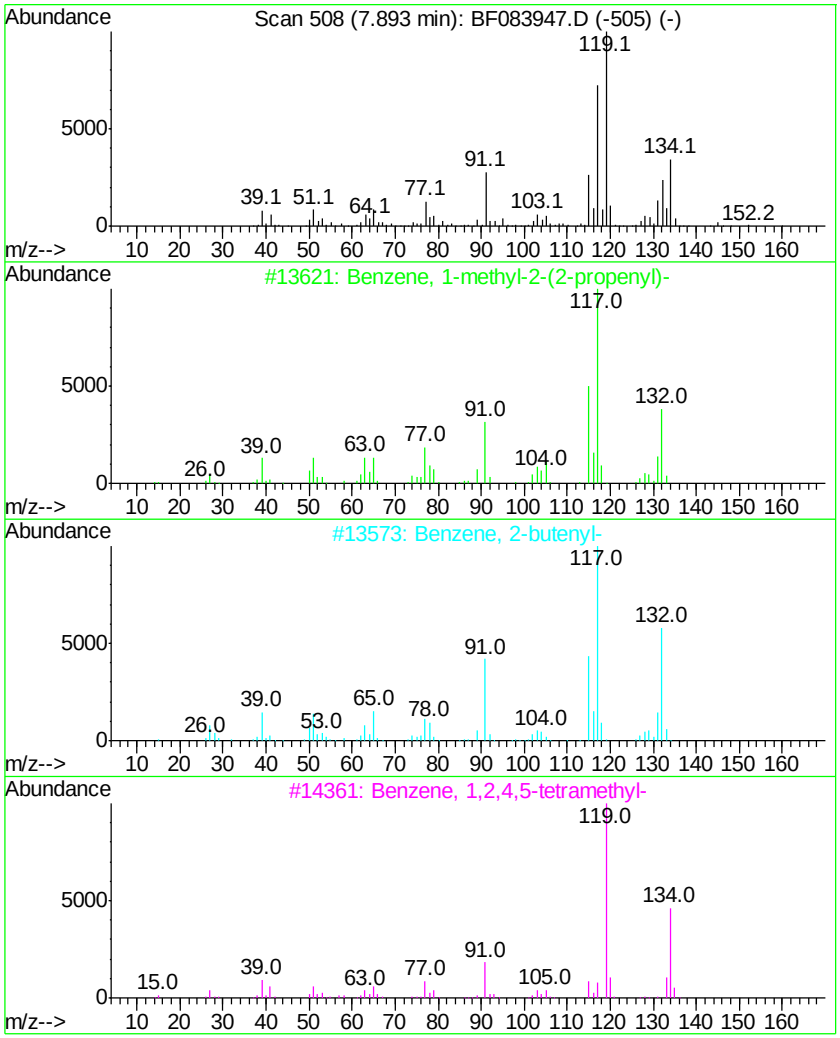
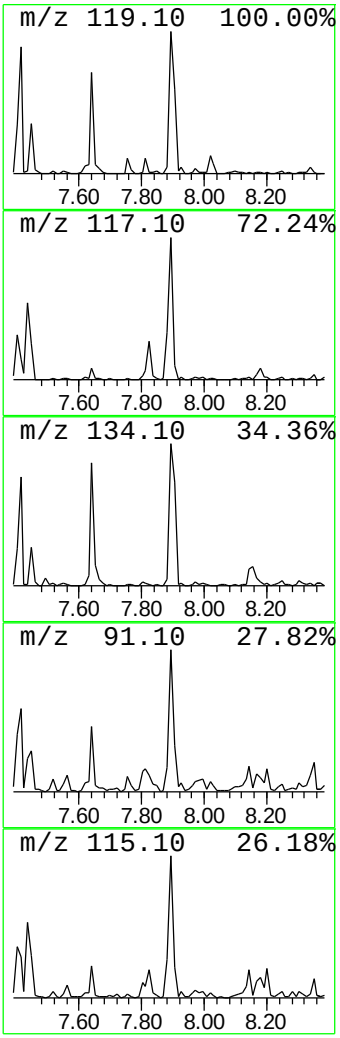
Peak Number 5 Benzene, 1-methyl-2-(2-prop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	38.26 ng	1786950	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	84
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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

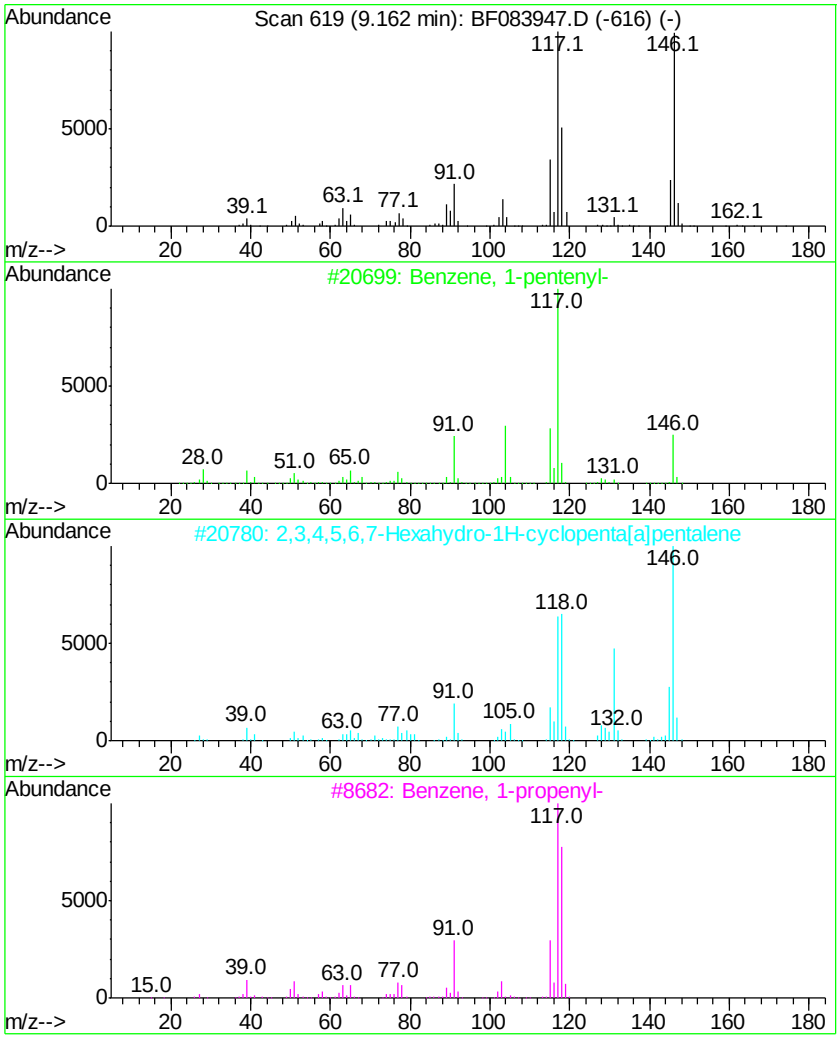
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

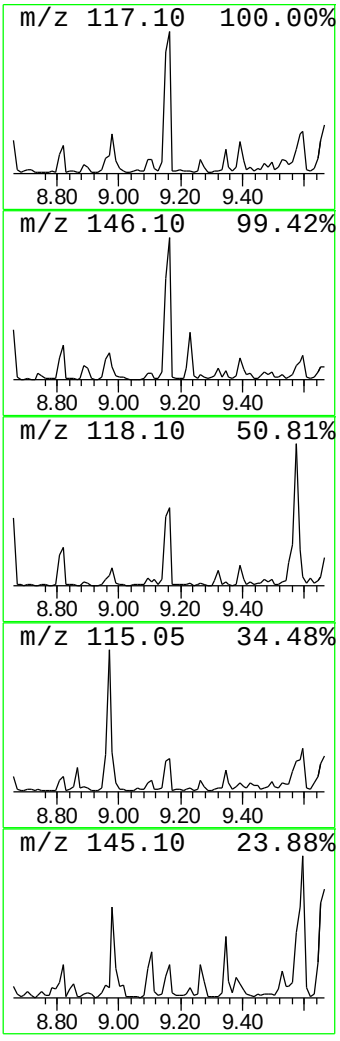
****

Peak Number 7 Benzene, 1-pentenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	21.27 ng	902566	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	68
2	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	64
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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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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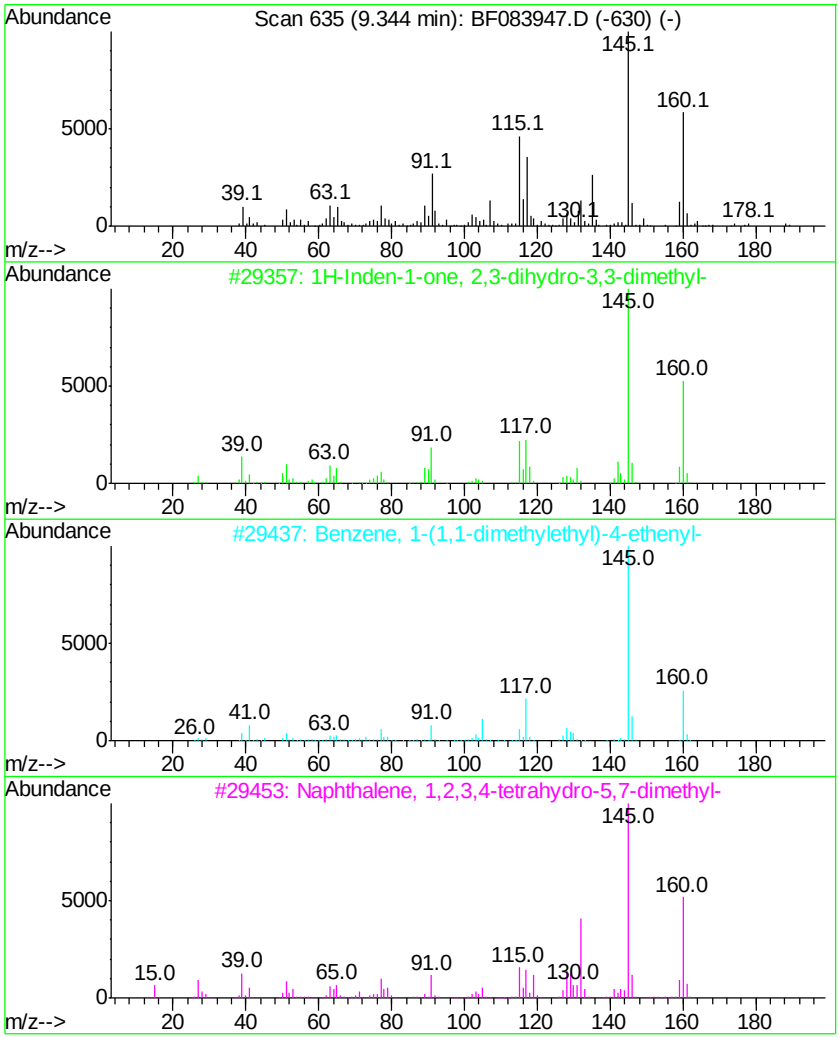
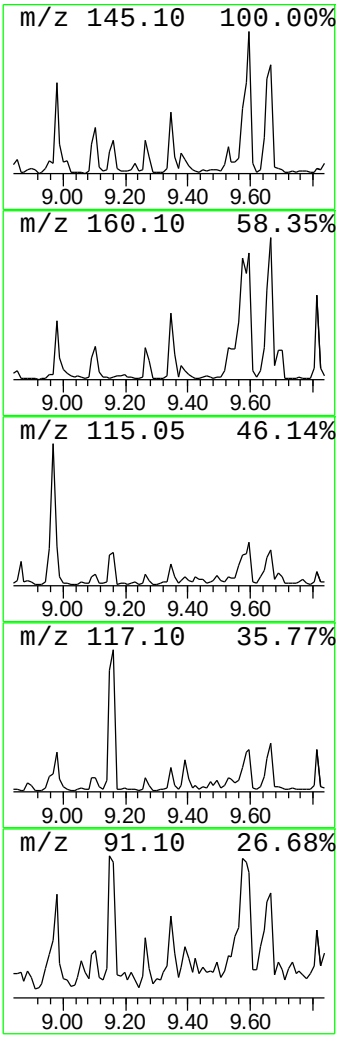
Peak Number 8 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	17.89 ng	759451	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	68
2	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	60
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	47
4	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	46
5	5-Quinolinol	145	C9H7NO	000578-67-6	46





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Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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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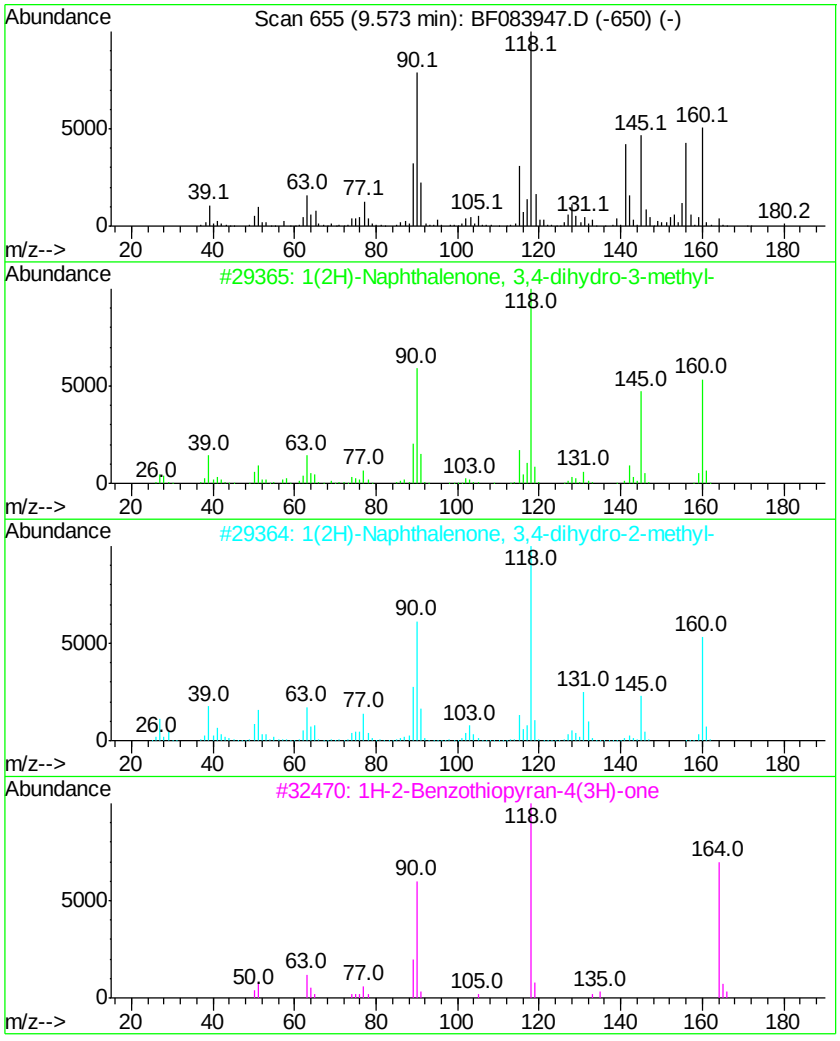
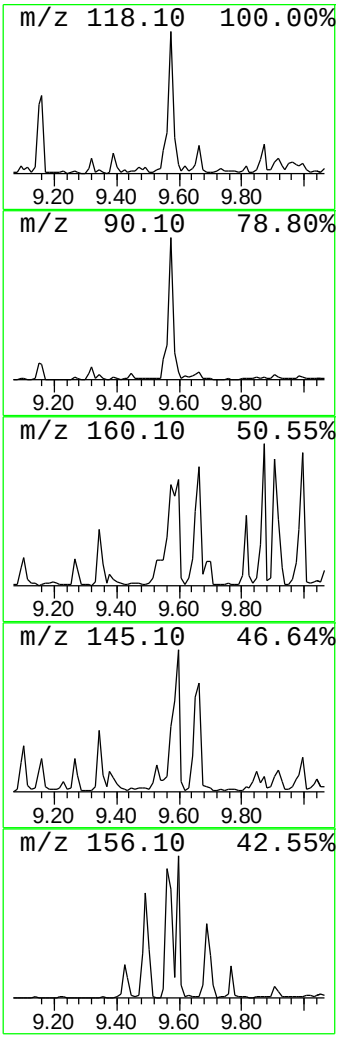
Peak Number 9 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	58.78 ng	2494620	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	91
2	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	74
3	1H-2-Benzothiopyran-4(3H)-one	164	C9H8OS	004426-76-0	64
4	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	49
5	Homophthalimide	161	C9H7NO2	004456-77-3	40





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Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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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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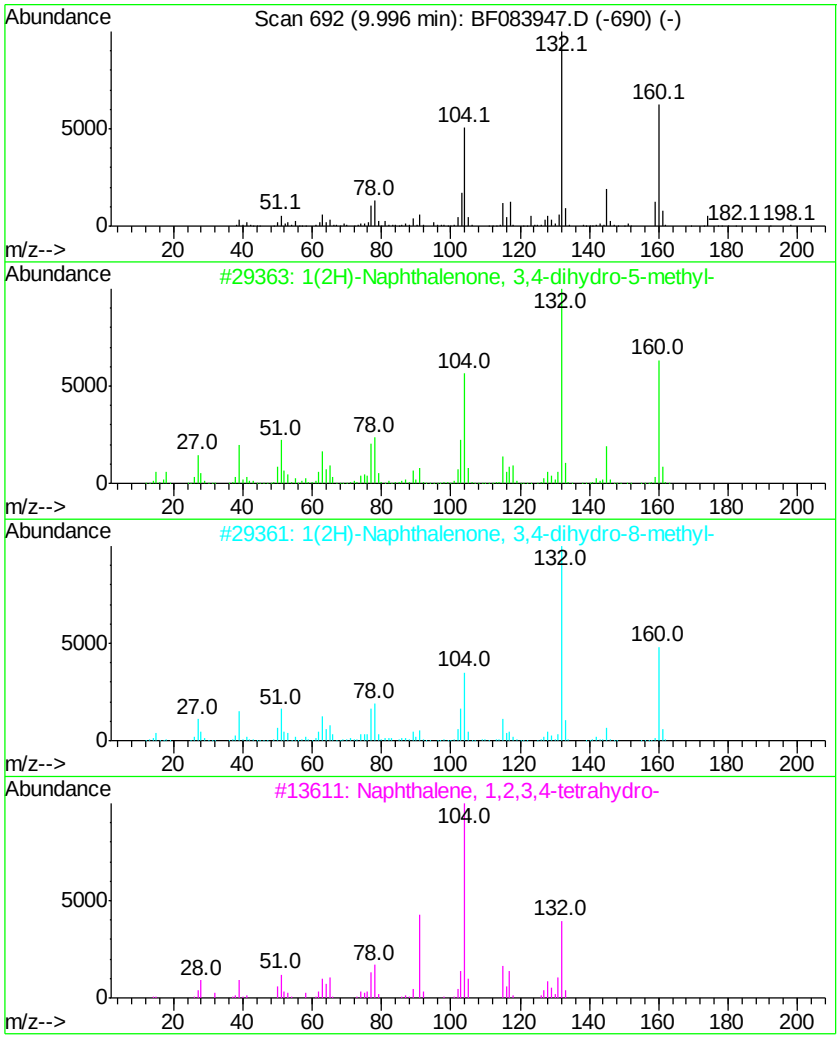
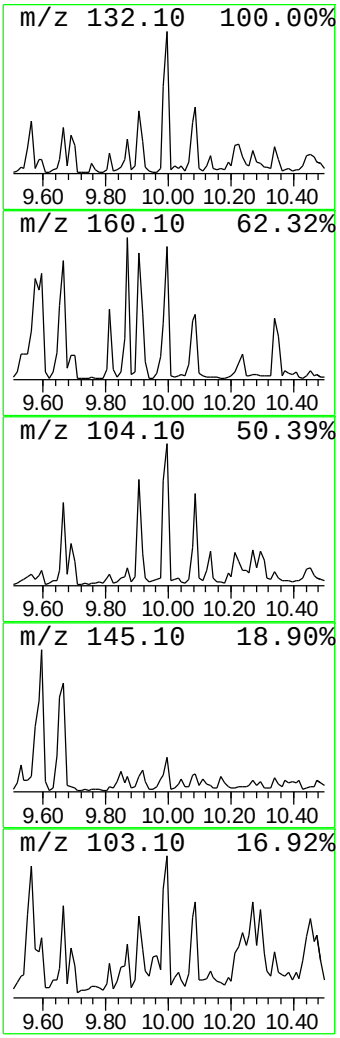
Peak Number 11 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	15.58 ng	661005	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	006939-35-1	93
2	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	051015-28-2	74
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64
4	4-Hydroxy-6-methyl-1,5-naphthyri...	160	C9H8N2O	023443-24-5	50
5	1-Benzosuberone	160	C11H12O	000826-73-3	49





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Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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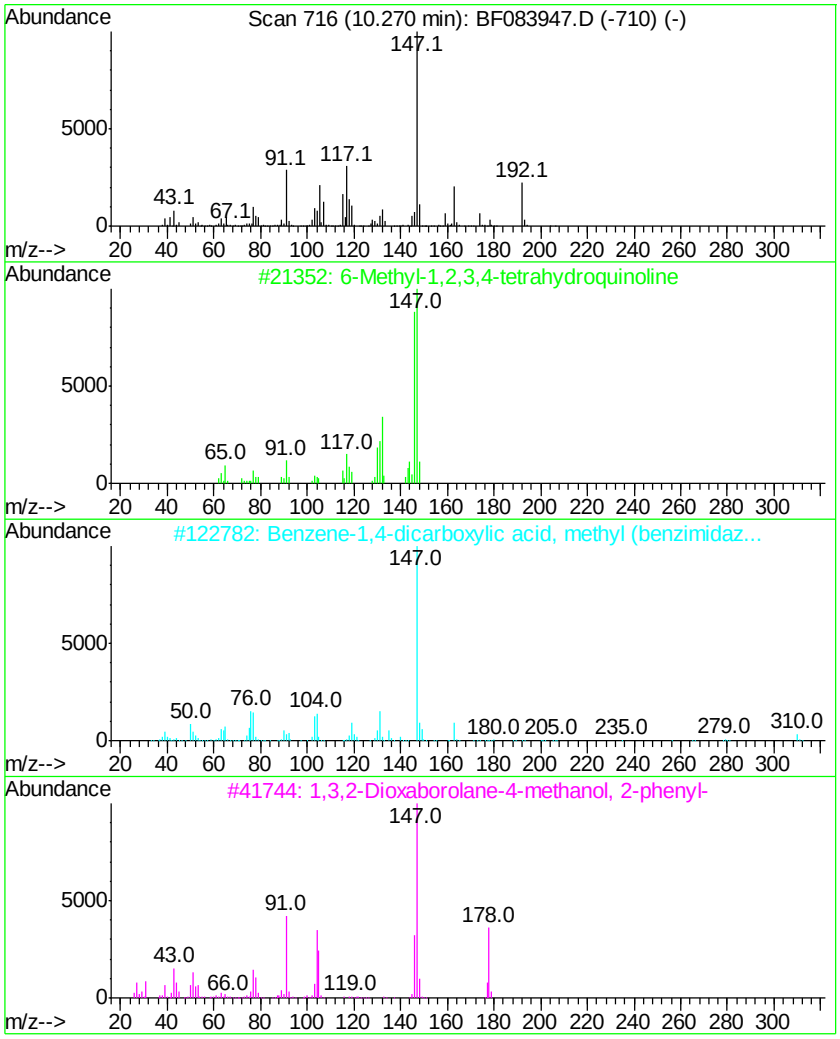
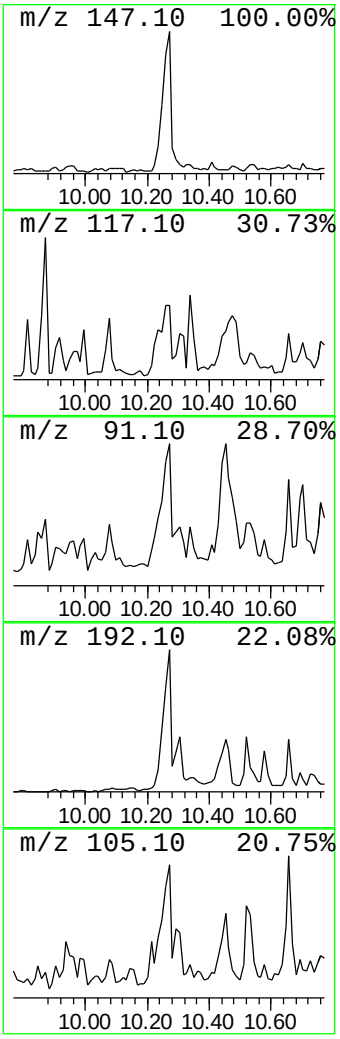
Peak Number 12 unknown10.27 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	46.05 ng	1954420	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-1,2,3,4-tetrahydroquino...	147	C10H13N	000091-61-2	47
2	Benzene-1,4-dicarboxylic acid, m...	310	C17H14N2O4	313232-33-6	43
3	1,3,2-Dioxaborolane-4-methanol, ...	178	C9H11BO3	002412-76-2	43
4	Ethanone, 1-[4-(1-methylethyl)ph...	162	C11H14O	000645-13-6	43
5	Benzene, 1,2,4-trimethyl-5-(1-me...	162	C12H18	010222-95-4	38





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Instrument : BNA_F
ClientSampleId : W-10

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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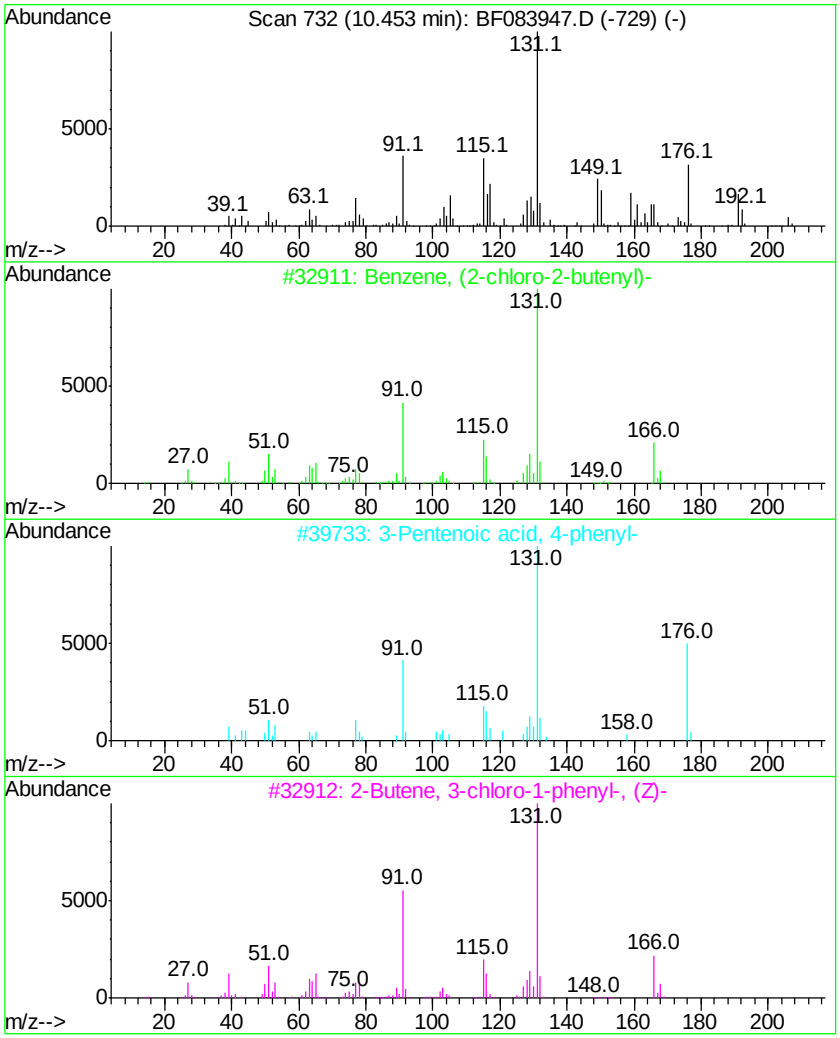
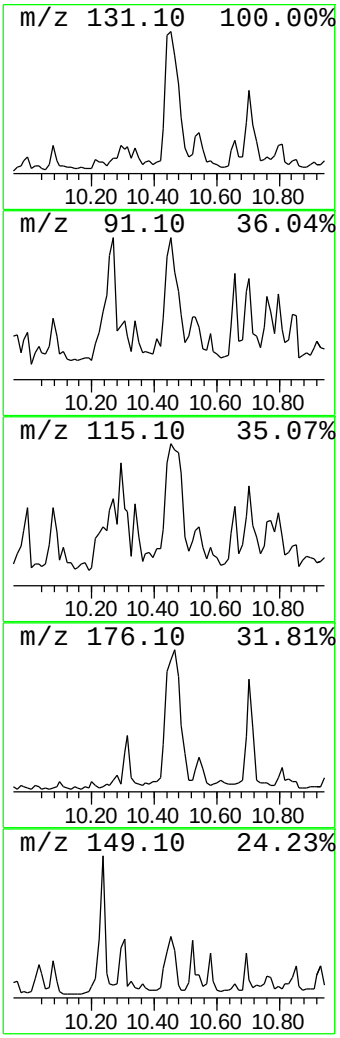
Peak Number 13 Benzene, (2-chloro-2-butenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	49.63 ng	2106240	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	83
2	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	49
3	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	46
4	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	43
5	Benzene, 1-(chloromethyl)-4-(2-p...	166	C10H11Cl	036875-10-2	41





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ALS Vial : 46 Sample Multiplier: 1

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ClientSampleId : W-10

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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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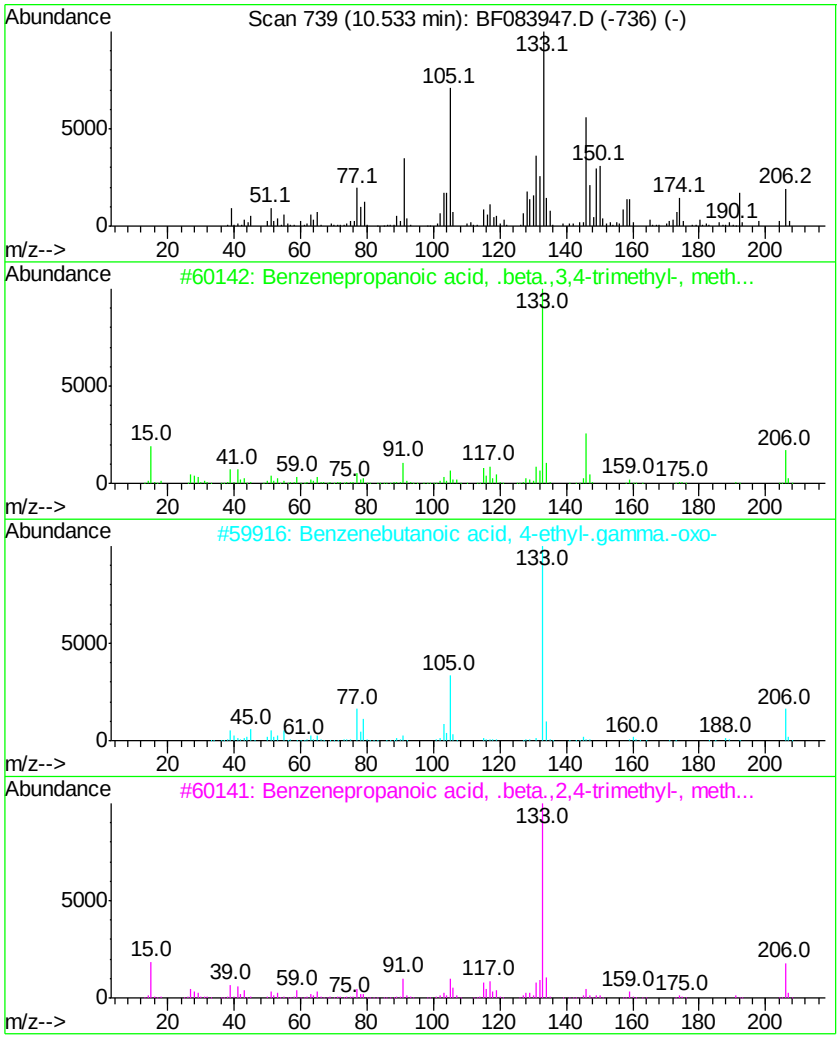
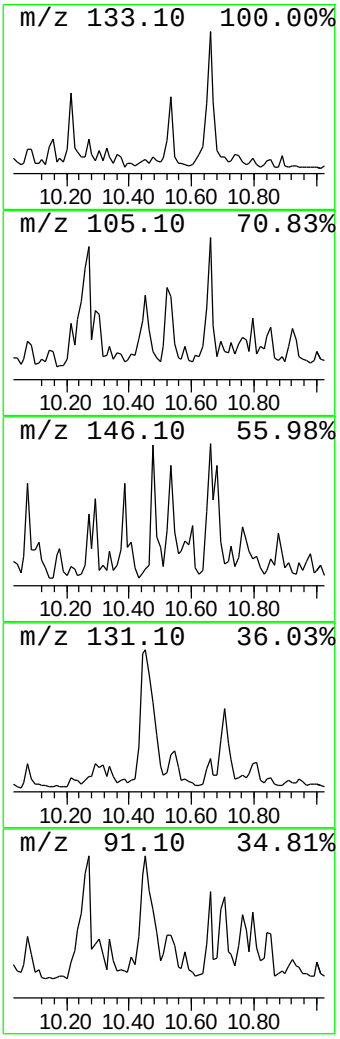
Peak Number 14 unknown10.53 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	20.30 ng	861731	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, .beta.,3,...	206	C13H18O2	056298-99-8	43
2	Benzenebutanoic acid, 4-ethyl-.g...	206	C12H14O3	049594-75-4	42
3	Benzenepropanoic acid, .beta.,2,...	206	C13H18O2	056298-76-1	38
4	Benzenebutanoic acid, 2,5-dimeth...	206	C12H14O3	005394-59-2	30
5	1H-Inden-2-amine, 2,3-dihydro-	133	C9H11N	002975-41-9	30





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Acq On : 19 Dec 2015 7:30
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Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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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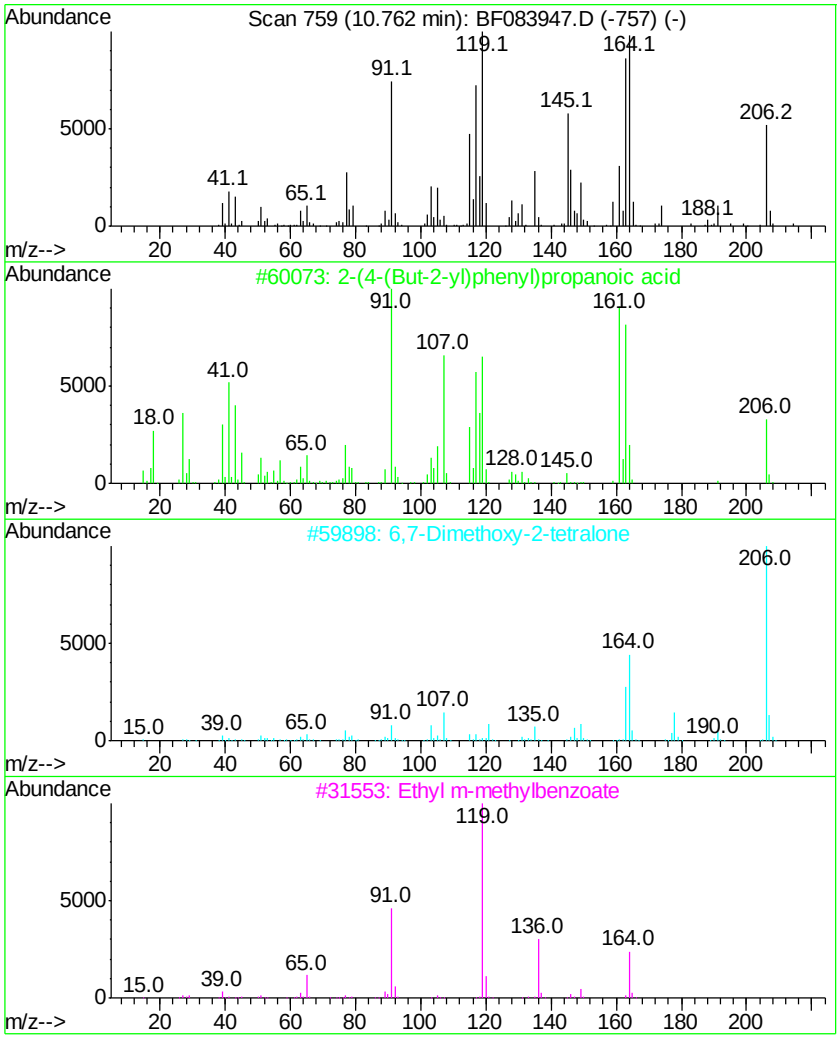
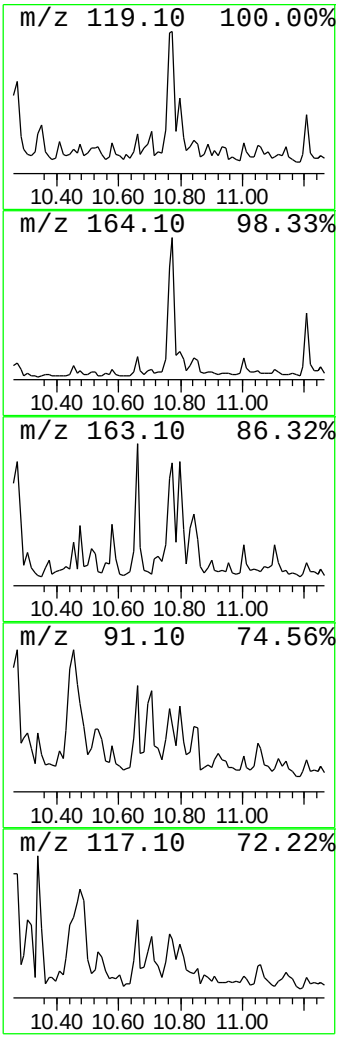
Peak Number 15 unknown10.76 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	38.99 ng	748752	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4-(But-2-yl)phenyl)propanoic ...	206	C13H18O2	064451-76-9	47
2	6,7-Dimethoxy-2-tetralone	206	C12H14O3	002472-13-1	43
3	Ethyl m-methylbenzoate	164	C10H12O2	000120-33-2	38
4	Benzoic acid, 2,4,5-trimethyl-	164	C10H12O2	000528-90-5	38
5	1,4-Benzodioxan-6-carboxaldehyde	164	C9H8O3	029668-44-8	25





Library Search Compound Report

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ClientSampleId : W-10

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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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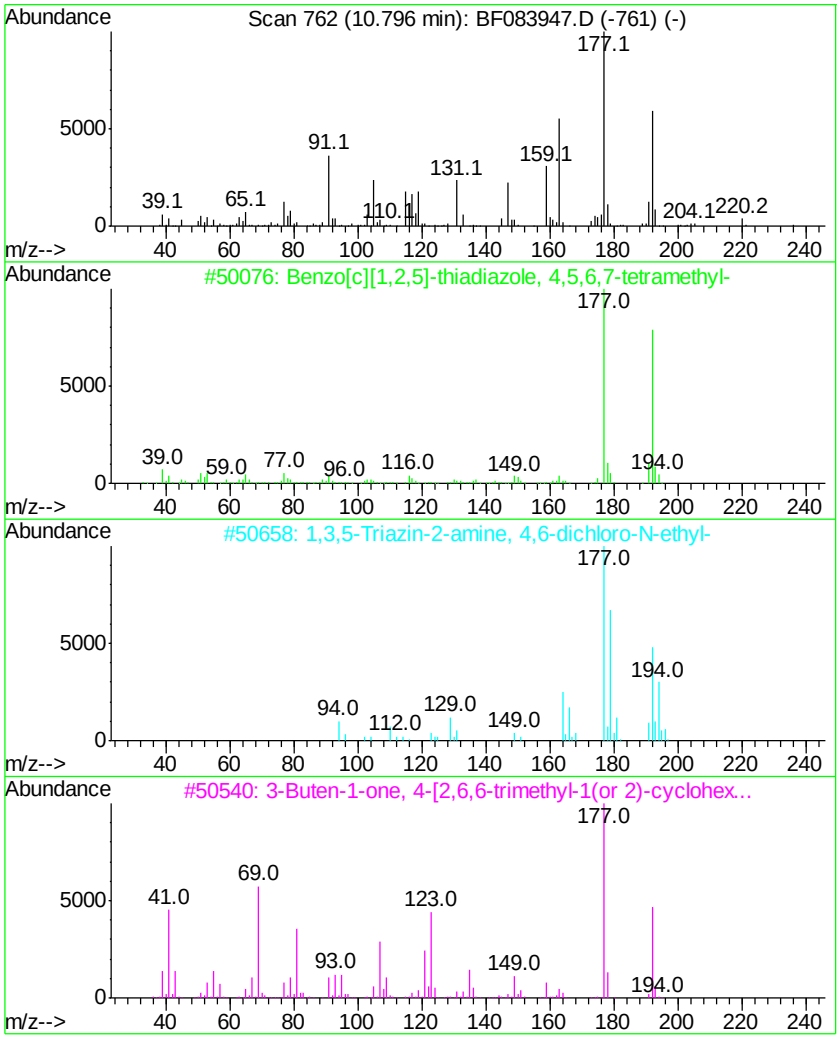
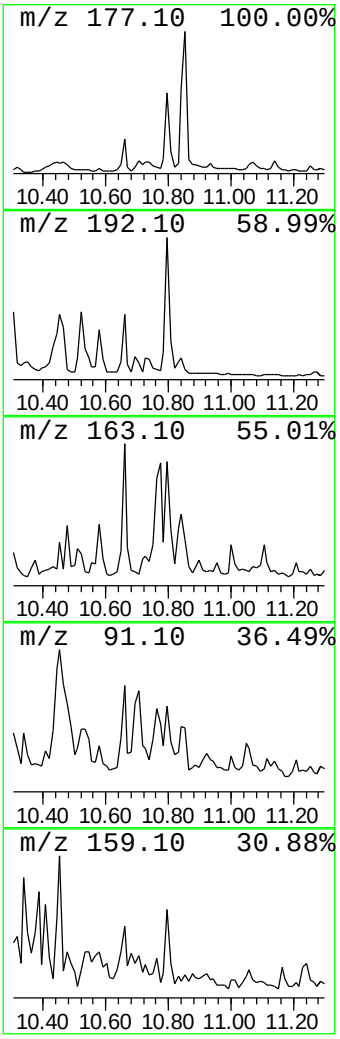
Peak Number 16 unknown10.80 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	27.59 ng	529845	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c][1,2,5]-thiadiazole, 4,5...	192	C10H12N2S	106148-64-5	49
2	1,3,5-Triazin-2-amine, 4,6-dichl...	192	C5H6Cl2N4	003440-19-5	46
3	3-Buten-1-one, 4-[2,6,6-trimethy...	192	C13H20O	085949-43-5	43
4	2-Methyl-5-nitro-2H-indazole	177	C8H7N3O2	005228-48-8	43
5	1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	43





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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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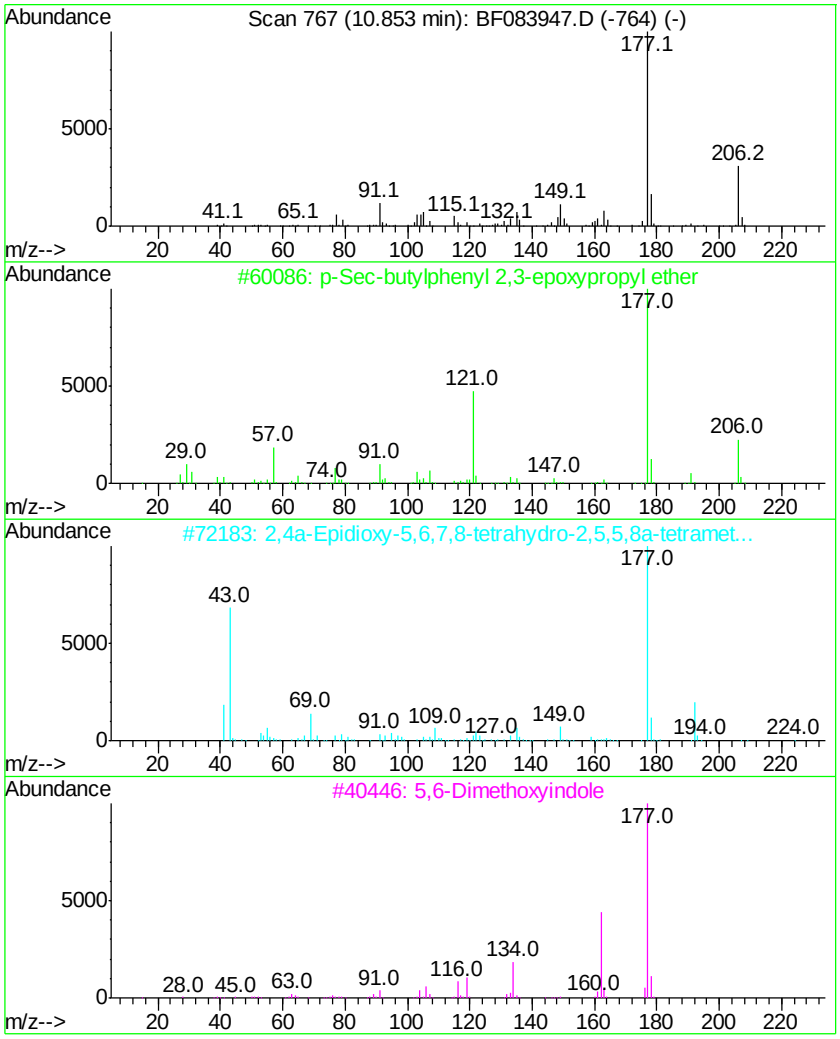
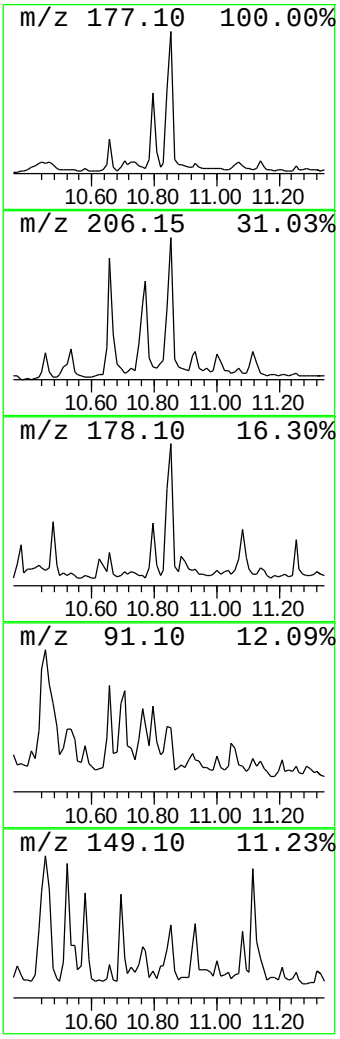
Peak Number 17 p-Sec-butylphenyl 2,3-epoxy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	26.73 ng	513163	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Sec-butylphenyl 2,3-epoxypropy...	206	C13H18O2	067557-76-0	72
2	2,4a-Epidioxy-5,6,7,8-tetrahydro...	224	C13H20O3	1000212-29-9	53
3	5,6-Dimethoxyindole	177	C10H11NO2	014430-23-0	52
4	Phenol, 2,4-bis(1-methylpropyl)-	206	C14H22O	001849-18-9	50
5	Phenol, 2,5-bis(1-methylpropyl)-	206	C14H22O	054932-77-3	50





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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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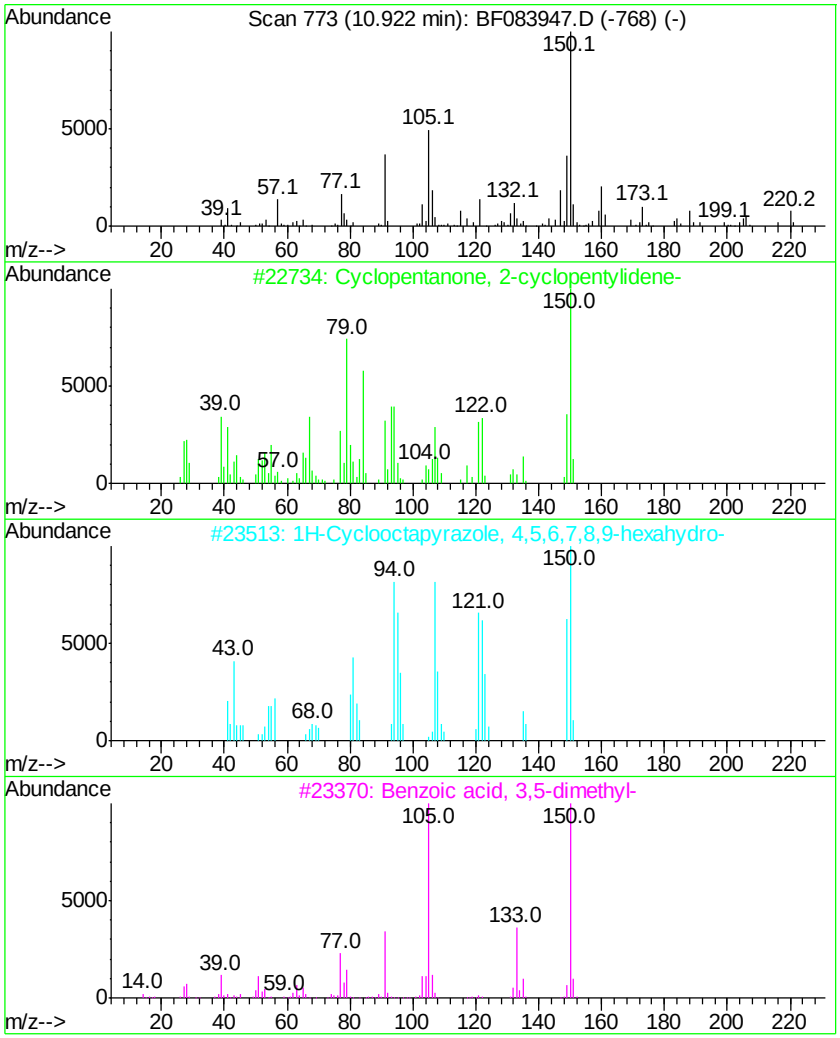
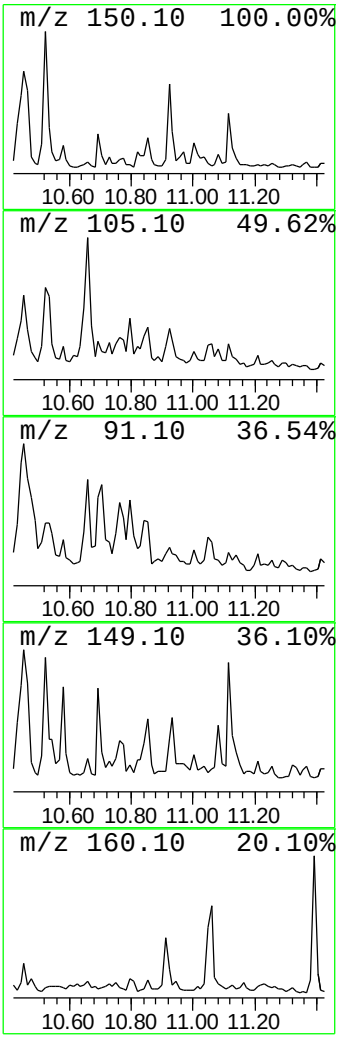
Peak Number 18 Cyclopentanone, 2-cyclopent... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	21.42 ng	411331	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-cyclopentylidene-	150	C10H14O	000825-25-2	52
2	1H-Cyclooctapyrazole, 4,5,6,7,8,...	150	C9H14N2	015984-10-8	50
3	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	46
4	Tricyclo[3.3.2.0(3,7)]decan-9-one	150	C10H14O	071382-31-5	43
5	Ethanone, 1-(3,5-dimethylpyrazin...	150	C8H10N2O	054300-08-2	43





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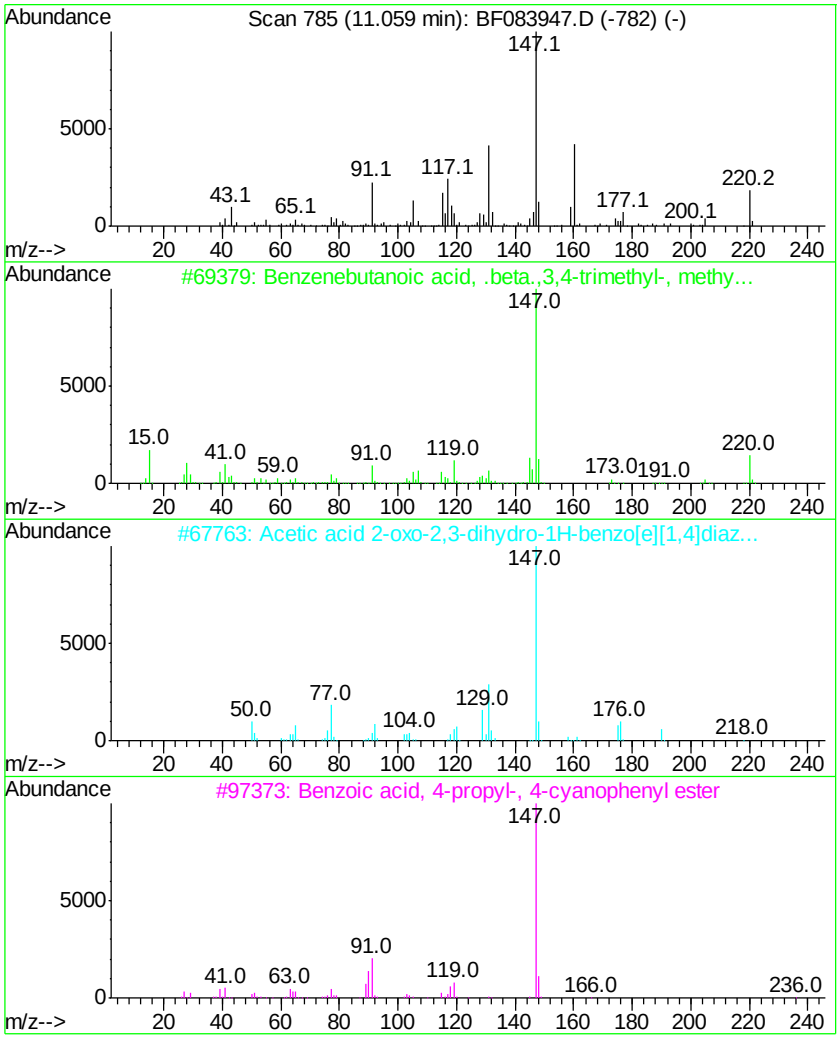
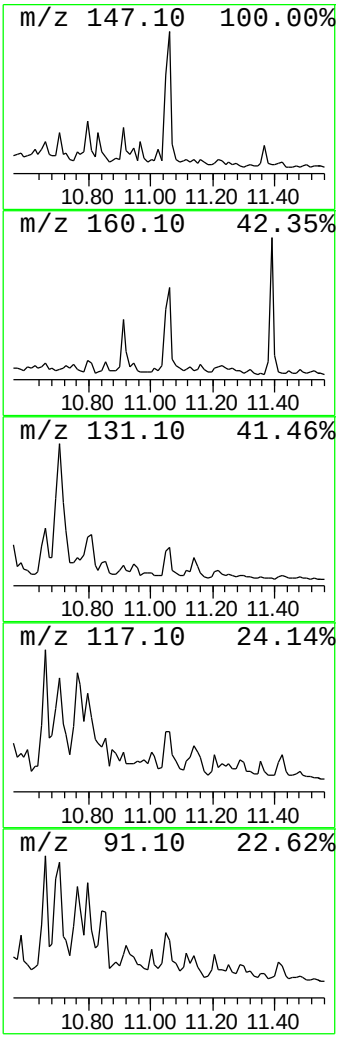
Peak Number 19 unknown11.06 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	18.83 ng	361535	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenebutanoic acid, .beta.,3,4...	220	C14H20O2	069855-51-2	41
2	Acetic acid 2-oxo-2,3-dihydro-1H...	218	C11H10N2O3	016780-58-8	37
3	Benzoic acid, 4-propyl-, 4-cyano...	265	C17H15NO2	056131-49-8	35
4	2-Indolizinemethanol	147	C9H9NO	022320-21-4	35
5	Benzoic acid, 4-propyl-, 4-cyano...	283	C17H14FNO2	086776-51-4	35





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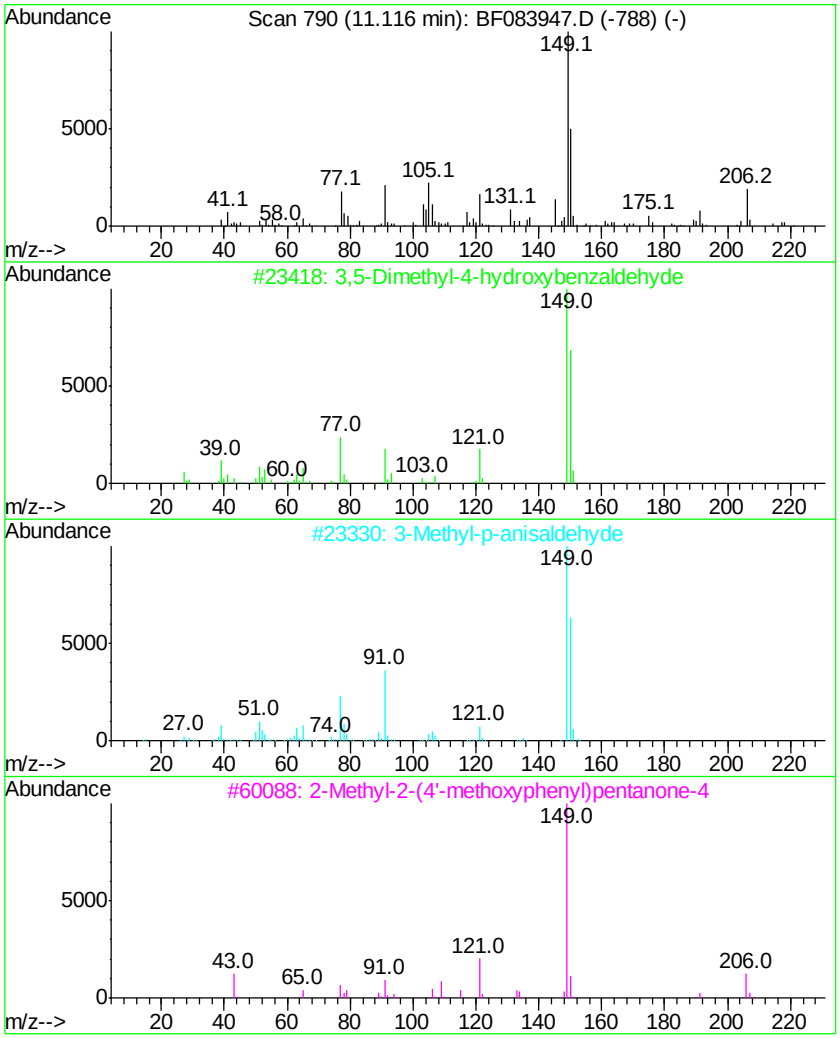
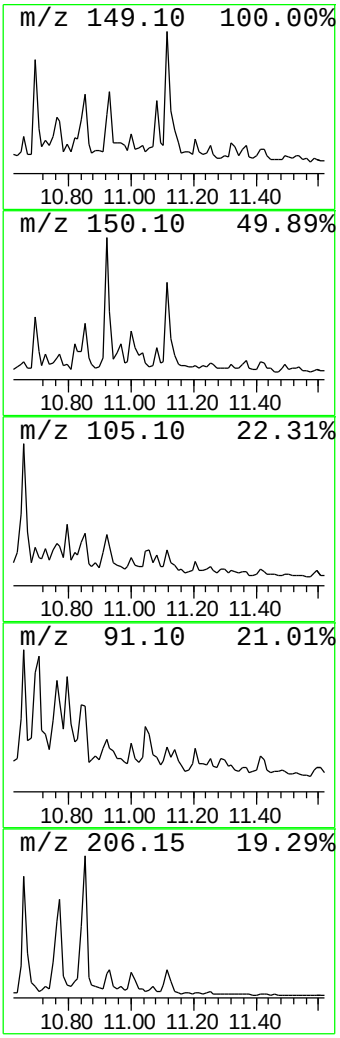
Peak Number 20 3,5-Dimethyl-4-hydroxybenza... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	25.78 ng	494938	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-4-hydroxybenzaldehyde	150	C9H10O2	002233-18-3	52
2	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	47
3	2-Methyl-2-(4'-methoxyphenyl)pen...	206	C13H18O2	185700-49-6	47
4	2-Acetylbenzoic acid	164	C9H8O3	000577-56-0	43
5	2,6-Dimethyl-4-hydroxybenzaldehyde	150	C9H10O2	070547-87-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
Data File : BF083947.D
Acq On : 19 Dec 2015 7:30
Operator : UM/SJ
Sample : G4840-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-10

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
unknown6.64	6.64	68.7	ng	1189130	1	6.86	346409	20.0
Benzene, 1,3-diet...	7.12	20.7	ng	358280	1	6.86	346409	20.0
Benzene, 1,2-diet...	7.21	22.7	ng	393599	1	6.86	346409	20.0
Benzene, 1-methyl...	7.89	38.3	ng	1786950	2	8.16	934078	20.0
Benzene, 1-pentenyl-	9.16	21.3	ng	902566	3	9.90	848802	20.0
1H-Inden-1-one, 2...	9.34	17.9	ng	759451	3	9.90	848802	20.0
1(2H)-Naphthaleno...	9.57	58.8	ng	2494620	3	9.90	848802	20.0
1(2H)-Naphthaleno...	10.00	15.6	ng	661005	3	9.90	848802	20.0
unknown10.27	10.27	46.0	ng	1954420	3	9.90	848802	20.0
Benzene, (2-chlor...	10.45	49.6	ng	2106240	3	9.90	848802	20.0
unknown10.53	10.53	20.3	ng	861731	3	9.90	848802	20.0
unknown10.76	10.76	39.0	ng	748752	4	11.39	384029	20.0
unknown10.80	10.80	27.6	ng	529845	4	11.39	384029	20.0
p-Sec-butylphenyl...	10.85	26.7	ng	513163	4	11.39	384029	20.0
Cyclopentanone, 2...	10.92	21.4	ng	411331	4	11.39	384029	20.0
unknown11.06	11.06	18.8	ng	361535	4	11.39	384029	20.0
3,5-Dimethyl-4-hy...	11.12	25.8	ng	494938	4	11.39	384029	20.0