

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
 Data File : BF090205.D
 Acq On : 23 Sep 2016 18:44
 Operator : UM/SJ
 Sample : H4870-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE -CHARACTERIZATION

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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	1.655	5	6	69	rVB	3437523	10123833	100.00%	12.191%
2	4.581	260	262	269	rBV	352362	570453	5.63%	0.687%
3	5.061	301	304	307	rBV	2338578	2566895	25.35%	3.091%
4	5.679	355	358	360	rBV2	102168	168544	1.66%	0.203%
5	5.736	360	363	365	rVB2	187998	306917	3.03%	0.370%
6	5.781	365	367	370	rBV2	96593	210063	2.07%	0.253%
7	6.159	396	400	401	rBV	2423602	2984865	29.48%	3.594%
8	6.181	401	402	405	rVB2	162017	207756	2.05%	0.250%
9	6.261	406	409	411	rVB	2734014	2774741	27.41%	3.341%
10	6.353	414	417	419	rVB	142277	193136	1.91%	0.233%
11	6.444	419	425	427	rBV2	164889	471990	4.66%	0.568%
12	6.490	427	429	433	rVB	838889	928590	9.17%	1.118%
13	6.581	433	437	439	rBV3	374042	567691	5.61%	0.684%
14	6.650	440	443	445	rBV	2087241	2217327	21.90%	2.670%
15	6.684	445	446	448	rVB2	215724	185186	1.83%	0.223%
16	6.719	448	449	450	rBV	124869	158253	1.56%	0.191%
17	6.764	452	453	459	rVB4	189879	362763	3.58%	0.437%
18	6.856	459	461	462	rBV2	159665	180599	1.78%	0.217%
19	6.890	462	464	465	rVB2	254799	250505	2.47%	0.302%
20	6.924	465	467	468	rBV	373137	337090	3.33%	0.406%
21	6.993	471	473	474	rBV2	111973	158616	1.57%	0.191%
22	7.062	474	479	481	rVB	1439537	1749448	17.28%	2.107%
23	7.107	481	483	485	rBV3	161374	343655	3.39%	0.414%
24	7.142	485	486	489	rVB3	364473	641630	6.34%	0.773%
25	7.199	489	491	492	rBV2	160327	188178	1.86%	0.227%
26	7.279	495	498	499	rVB2	264546	423893	4.19%	0.510%
27	7.313	499	501	503	rBV3	576681	819894	8.10%	0.987%
28	7.370	503	506	507	rBV2	416408	424537	4.19%	0.511%
29	7.416	507	510	514	rBV5	494977	1103419	10.90%	1.329%
30	7.507	516	518	519	rBV2	242548	314734	3.11%	0.379%
31	7.564	521	523	525	rVB3	320046	546028	5.39%	0.658%
32	7.622	525	528	530	rBV4	400756	707841	6.99%	0.852%
33	7.690	530	534	536	rBV3	640956	932147	9.21%	1.122%
34	7.782	539	542	544	rBV2	1372521	1710153	16.89%	2.059%

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35	7.827	544	546	548	rVB3	396699	741601	7.33%	0.893%
36	7.873	548	550	553	rBV3	345581	564335	5.57%	0.680%
37	7.999	556	561	563	rBV6	604697	1615224	15.95%	1.945%
38	8.044	563	565	566	rBV2	218001	395904	3.91%	0.477%
39	8.079	566	568	570	rVB2	502546	663965	6.56%	0.800%
40	8.159	570	575	579	rVB7	433510	1431745	14.14%	1.724%
41	8.239	579	582	585	rBV2	1497201	2408873	23.79%	2.901%
42	8.330	588	590	594	rVB4	363778	791724	7.82%	0.953%
43	8.410	594	597	598	rBV2	523307	886458	8.76%	1.067%
44	8.490	602	604	606	rVB3	609620	1041532	10.29%	1.254%
45	8.536	606	608	609	rBV2	387021	702708	6.94%	0.846%
46	8.707	622	623	625	rBV2	350204	347211	3.43%	0.418%
47	8.776	627	629	630	rVB2	310372	367718	3.63%	0.443%
48	8.833	630	634	635	rBV	1069738	1698528	16.78%	2.045%
49	8.856	635	636	638	rVB	1490883	2013599	19.89%	2.425%
50	8.936	641	643	645	rBV2	507591	905562	8.94%	1.090%
51	9.005	647	649	651	rBV2	391102	336701	3.33%	0.405%
52	9.187	664	665	668	rBV2	299843	467247	4.62%	0.563%
53	9.279	670	673	678	rVB3	989017	2268374	22.41%	2.732%
54	9.382	681	682	684	rBV2	315473	456549	4.51%	0.550%
55	9.519	692	694	696	rBV2	898496	1385264	13.68%	1.668%
56	9.633	702	704	707	rVB2	243470	402648	3.98%	0.485%
57	9.725	710	712	715	rVV2	420074	881841	8.71%	1.062%
58	9.770	715	716	717	rVB	442576	303607	3.00%	0.366%
59	9.805	717	719	721	rVB2	385302	389525	3.85%	0.469%
60	9.850	721	723	724	rBV	322049	570950	5.64%	0.688%
61	9.930	728	730	733	rVB	427115	435587	4.30%	0.525%
62	10.068	740	742	743	rVB	287630	326214	3.22%	0.393%
63	10.205	751	754	755	rBV2	358545	490794	4.85%	0.591%
64	10.308	761	763	765	rVB2	1450703	1515433	14.97%	1.825%
65	10.342	765	766	770	rVB3	183350	317353	3.13%	0.382%
66	10.433	773	774	775	rVV	175687	185771	1.83%	0.224%
67	10.468	775	777	779	rVV	480594	478791	4.73%	0.577%
68	10.639	791	792	794	rBV2	230056	215853	2.13%	0.260%
69	10.925	816	817	820	rVB	306822	292147	2.89%	0.352%
70	10.993	820	823	824	rBV	814073	1096069	10.83%	1.320%
71	11.016	824	825	827	rVV	2027582	1476773	14.59%	1.778%

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72	11.062	827	829	831	rVB	456684	470176	4.64%	0.566%
73	11.108	831	833	836	rBV2	128939	176847	1.75%	0.213%
74	11.222	842	843	846	rBV2	128971	161467	1.59%	0.194%
75	11.485	864	866	868	rBV	227922	386018	3.81%	0.465%
76	11.519	868	869	871	rVV	359667	273811	2.70%	0.330%
77	11.565	871	873	874	rVV2	156220	242030	2.39%	0.291%
78	11.599	874	876	881	rVB2	442344	760637	7.51%	0.916%
79	11.782	891	892	896	rVB3	163929	302355	2.99%	0.364%
80	11.942	903	906	907	rBV2	197362	241161	2.38%	0.290%
81	12.033	912	914	916	rBV	185069	261483	2.58%	0.315%
82	12.193	925	928	930	rBV	1999052	1785945	17.64%	2.151%
83	12.331	938	940	943	rBV2	118221	188418	1.86%	0.227%
84	12.411	945	947	949	rBV	1469658	1947737	19.24%	2.345%
85	12.571	959	961	964	rVB	1612001	1547987	15.29%	1.864%
86	12.639	964	967	968	rBV2	106651	151083	1.49%	0.182%
87	12.742	972	976	978	rVB2	247264	390563	3.86%	0.470%
88	12.845	983	985	986	rBV	213513	227185	2.24%	0.274%
89	13.348	1027	1029	1030	rBV	126921	150693	1.49%	0.181%
90	13.382	1030	1032	1034	rVV2	94953	157068	1.55%	0.189%
91	13.485	1039	1041	1043	rVB2	218852	215402	2.13%	0.259%
92	13.599	1048	1051	1052	rBV2	1078861	1638757	16.19%	1.973%
93	13.702	1058	1060	1062	rBV2	169385	155550	1.54%	0.187%
94	14.125	1094	1097	1101	rBV5	110624	289849	2.86%	0.349%
95	14.594	1135	1138	1142	rBV	713337	1458967	14.41%	1.757%
96	14.834	1157	1159	1161	rVB	351777	508956	5.03%	0.613%
97	14.879	1161	1163	1165	rVV	643433	689083	6.81%	0.830%
98	14.925	1165	1167	1172	rVB2	425905	723686	7.15%	0.871%
99	16.080	1265	1268	1272	rVB2	234120	444125	4.39%	0.535%
100	16.422	1295	1298	1302	rBV	220961	394615	3.90%	0.475%

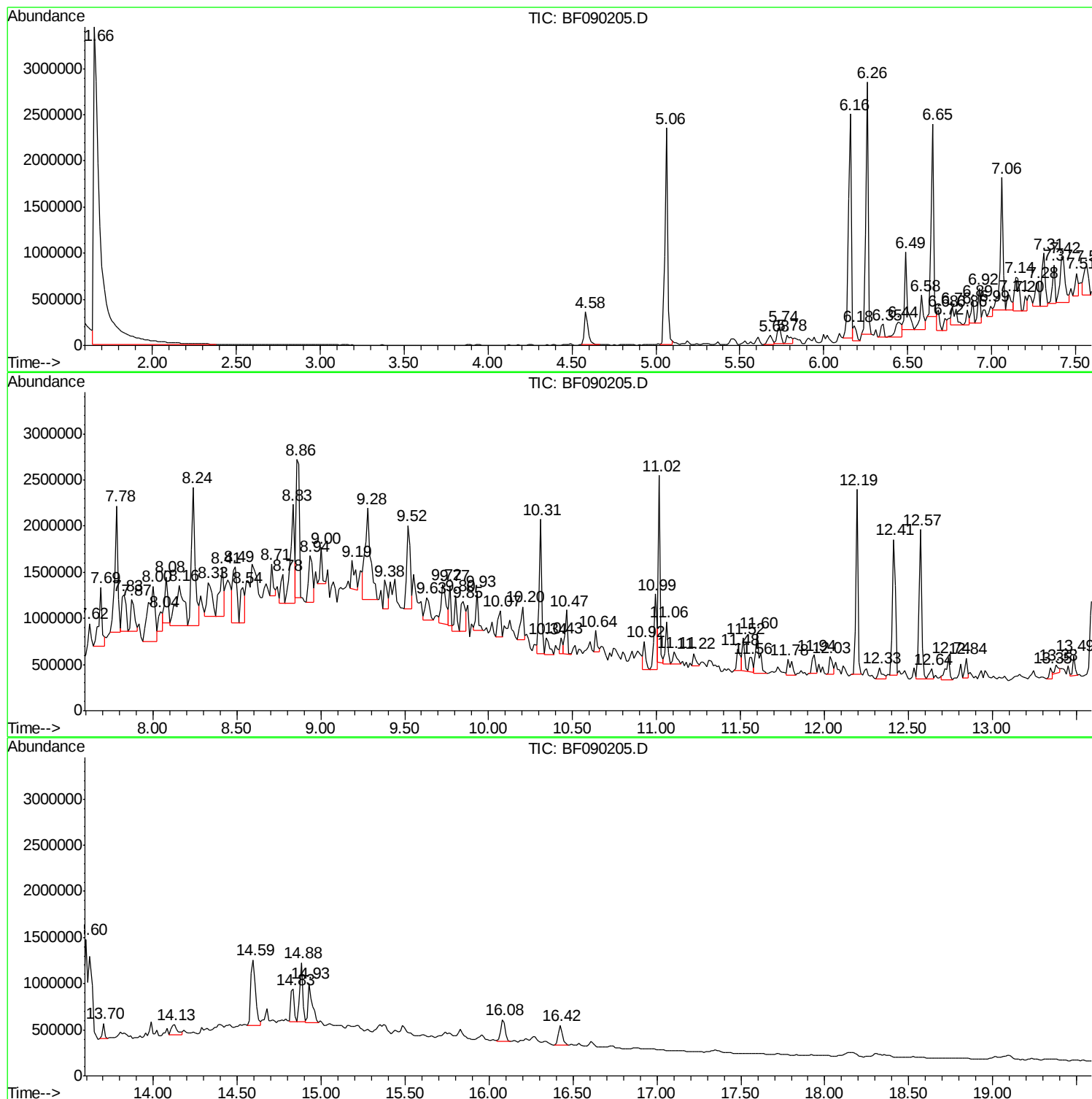
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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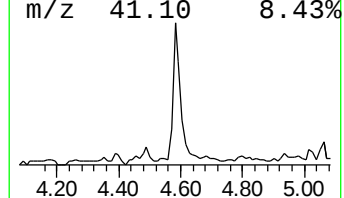
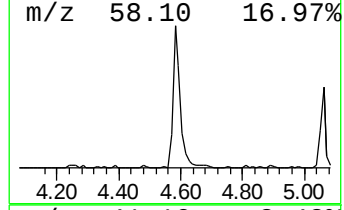
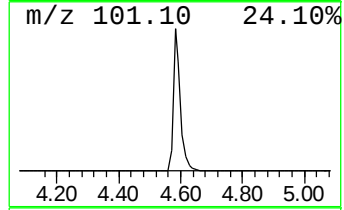
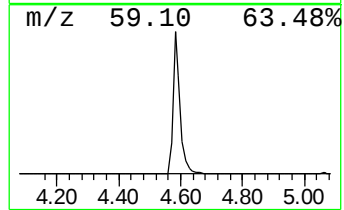
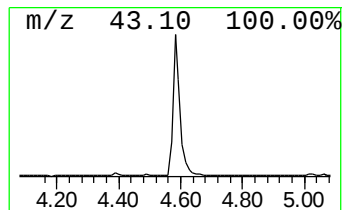
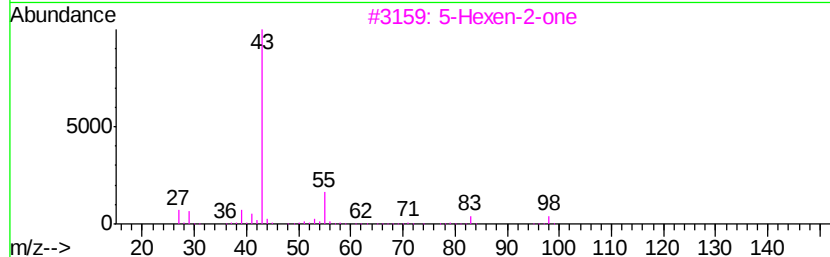
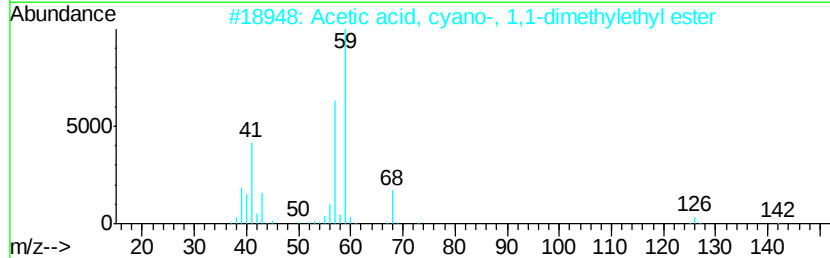
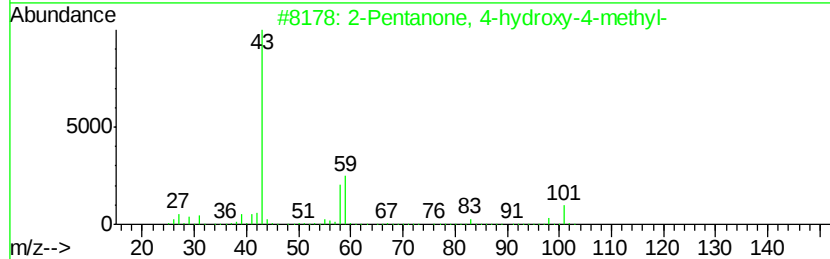
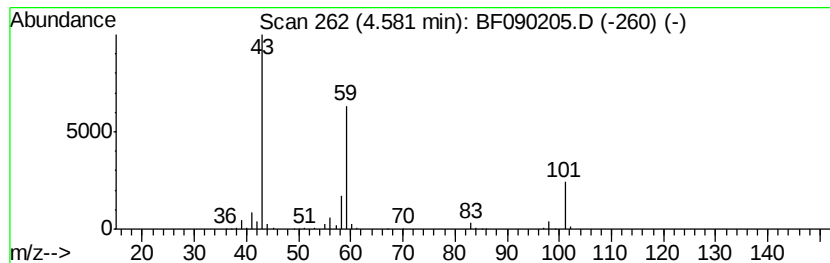
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	12.29 ng	570453	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
3		5-Hexen-2-one	98	C6H10O	000109-49-9	9
4		Acetone	58	C3H6O	000067-64-1	9
5		Guanidine	59	CH5N3	000113-00-8	9



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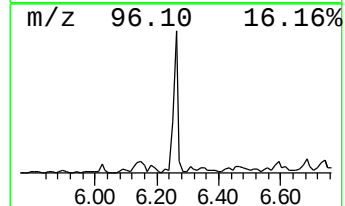
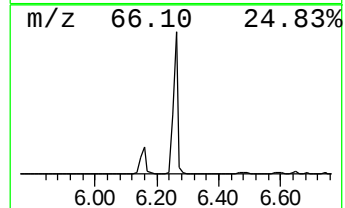
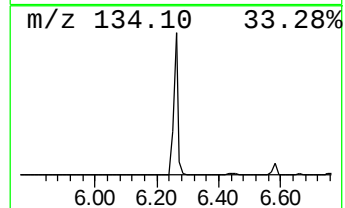
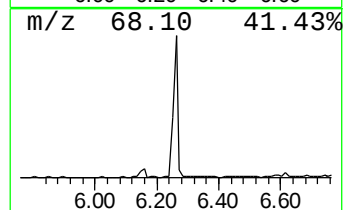
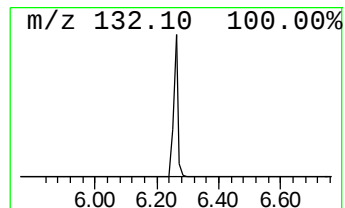
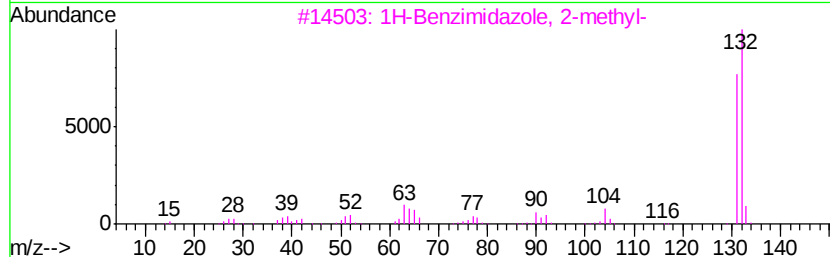
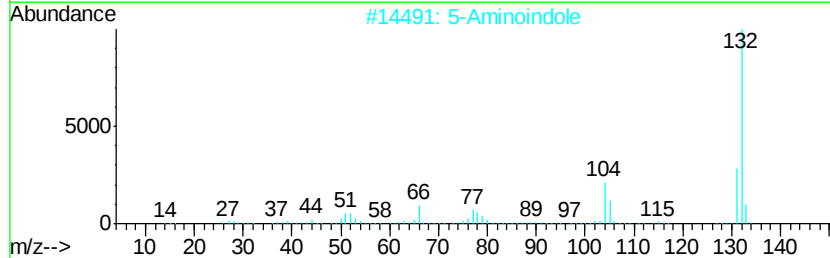
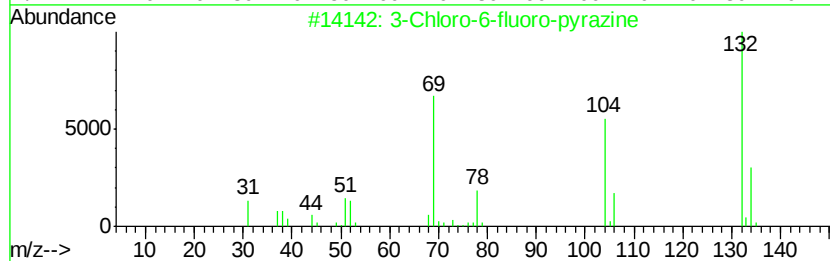
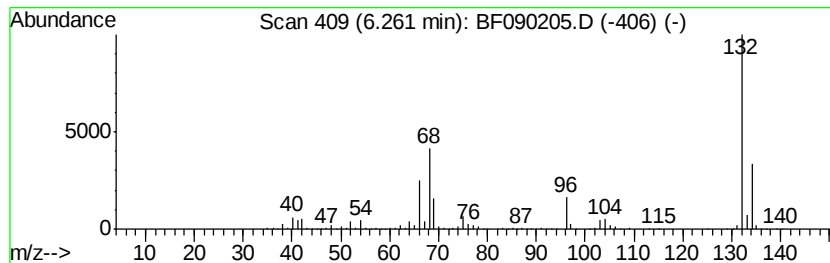
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.26 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	59.76 ng	2774740	1,4-Dichlorobenzene-d4	6.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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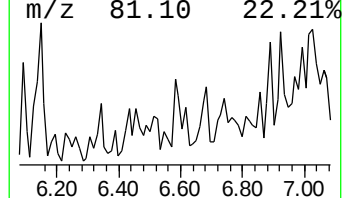
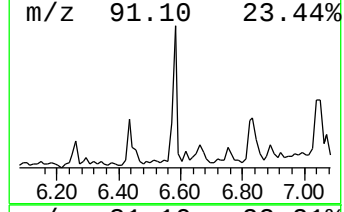
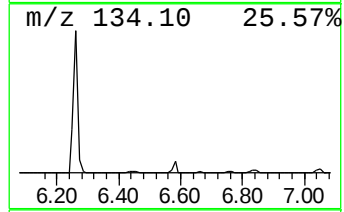
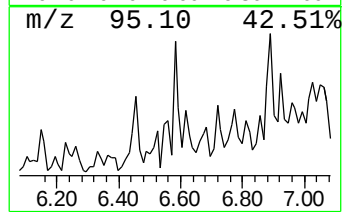
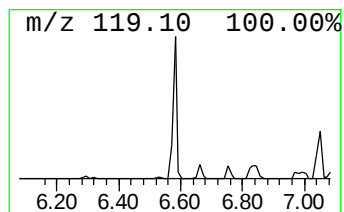
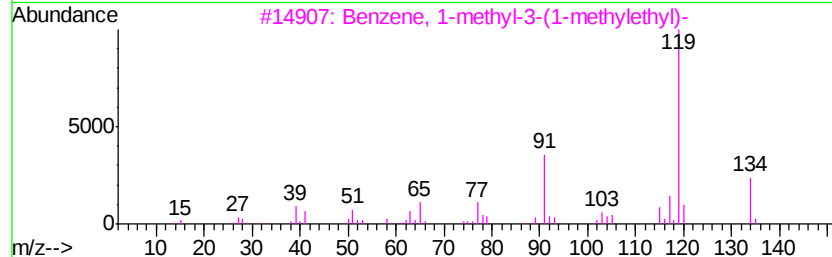
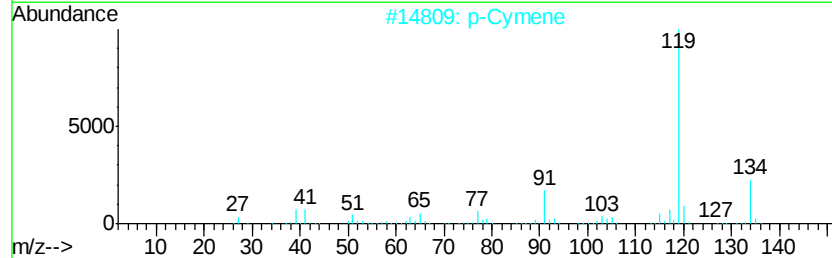
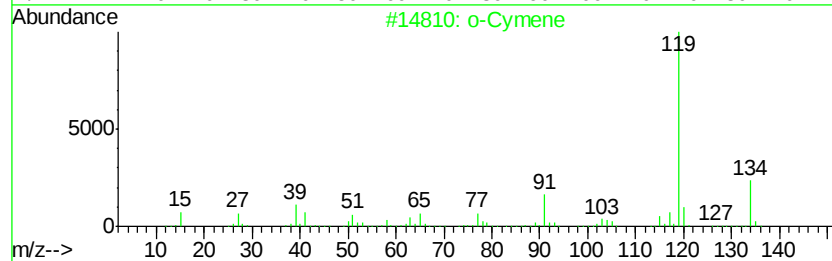
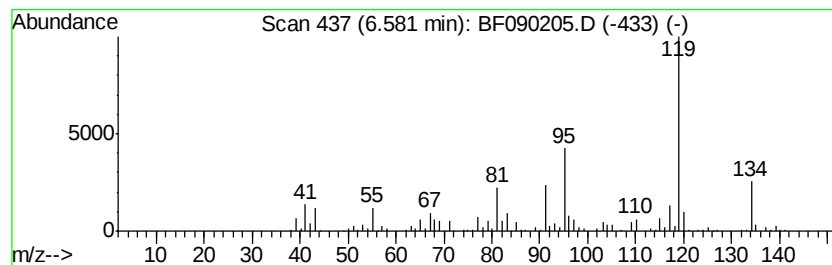
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Peak Number 4 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	12.23 ng	567691	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	93
2		p-Cymene	134	C10H14	000099-87-6	93
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOILWASTE -CHARACTERIZATION

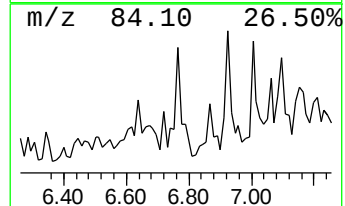
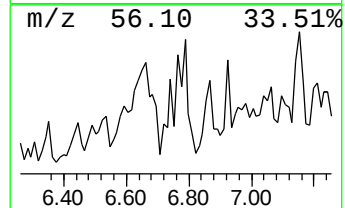
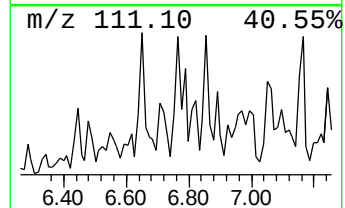
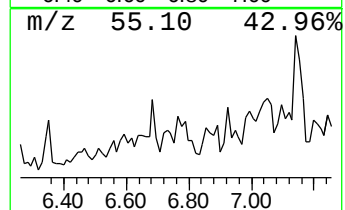
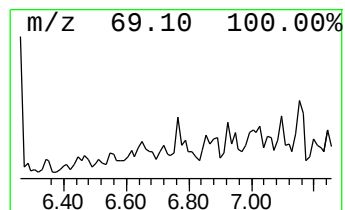
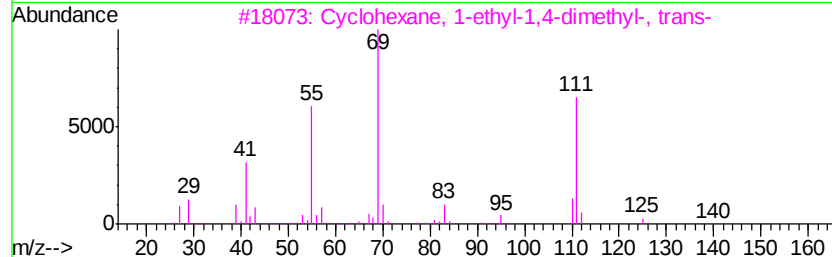
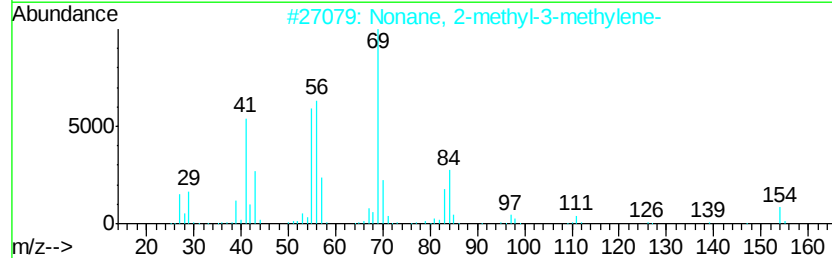
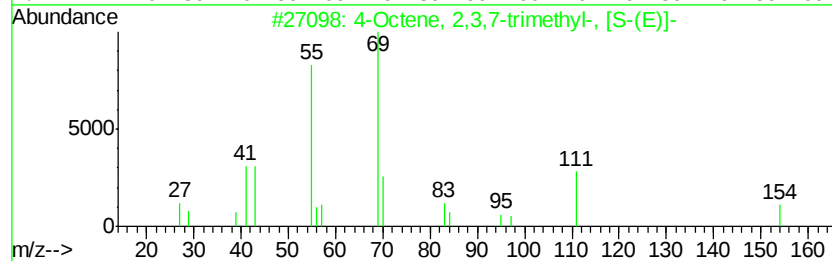
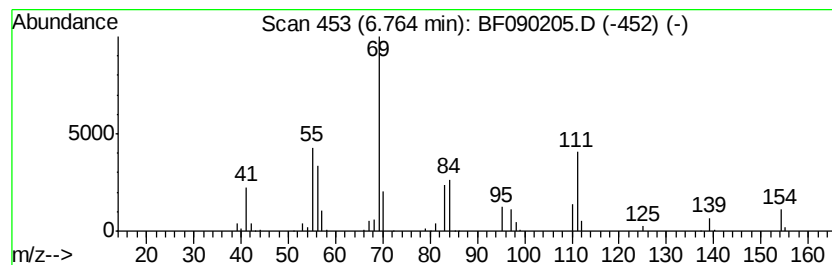
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 4-Octene, 2,3,7-trimethyl-,... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	7.81 ng	362763	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	64
2		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	59
3		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	50
4		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	50
5		Cyclooctane, ethyl-	140	C10H20	013152-02-8	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE -CHARACTERIZATION

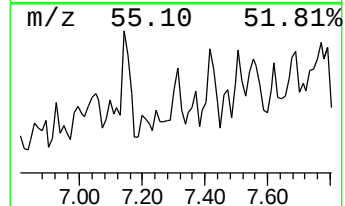
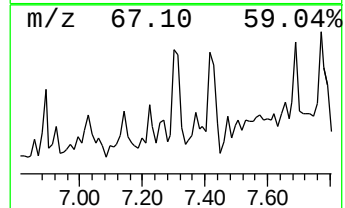
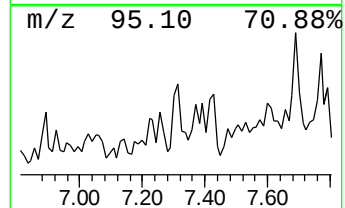
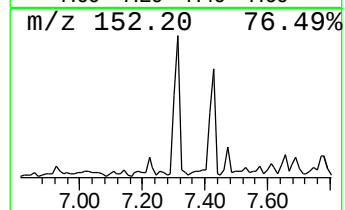
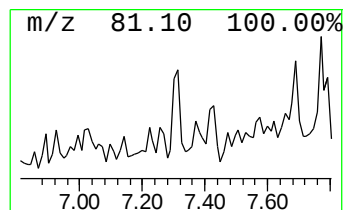
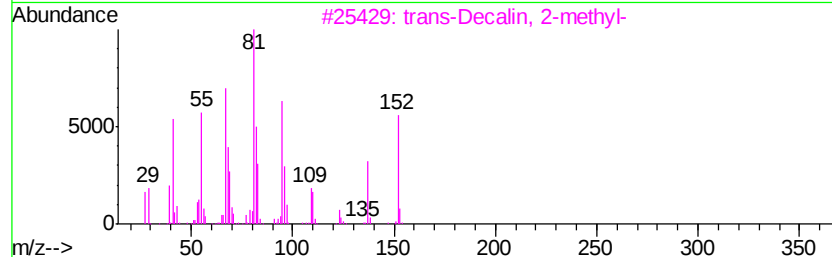
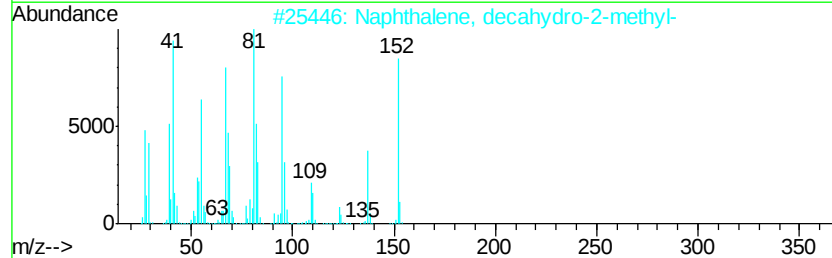
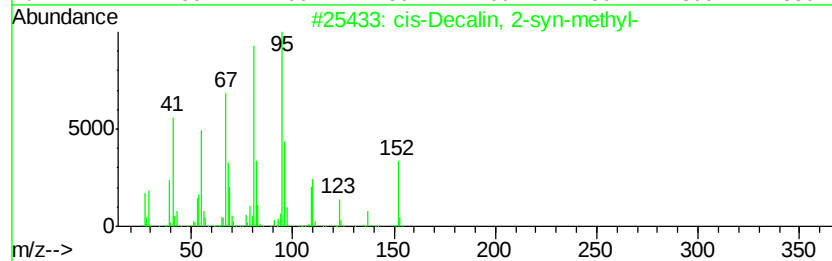
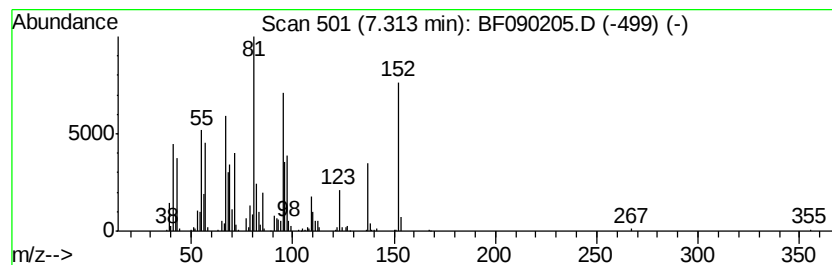
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 cis-Decalin, 2-syn-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	9.59 ng	819894	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	49
4		(+)-2-Bornanone	152	C10H16O	000464-49-3	49
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOILWASTE-CHARACTERIZATION

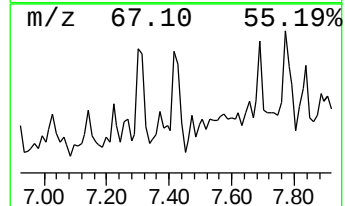
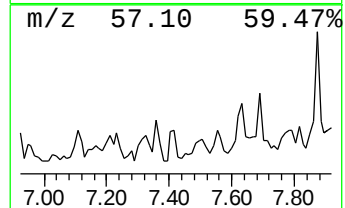
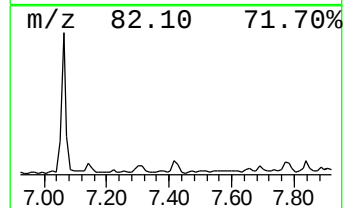
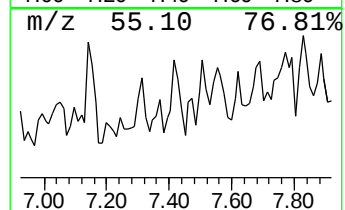
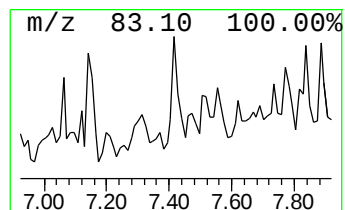
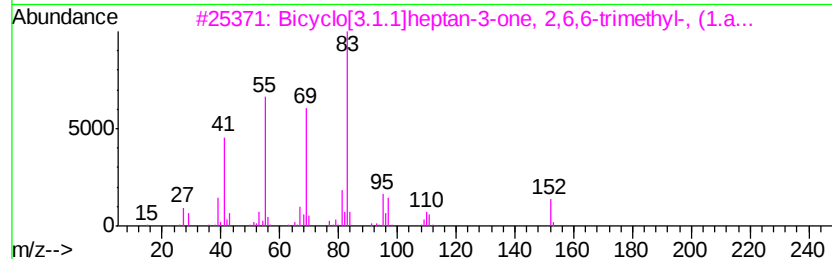
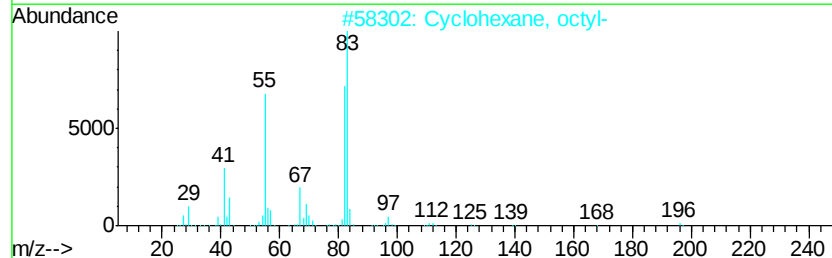
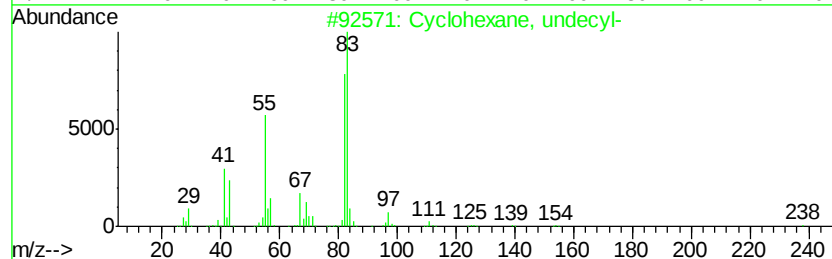
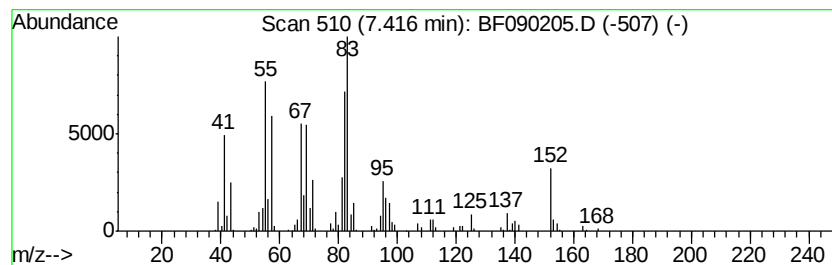
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown7.42 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	12.90 ng	1103420	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	43
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	43
3		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	43
4		Dodecane, 2-cyclohexyl-	252	C18H36	013151-82-1	38
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
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Sample : H4870-01
Misc :
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Instrument :
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ClientSampleId :
SOILWASTE -CHARACTERIZATION

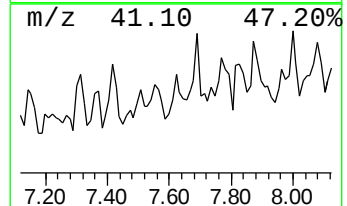
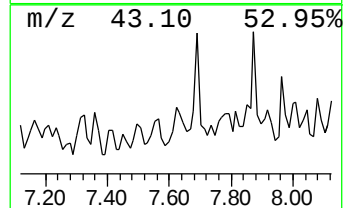
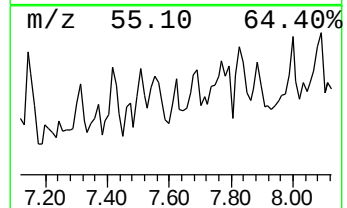
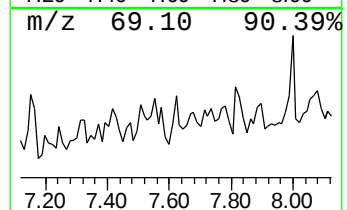
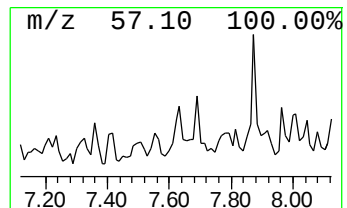
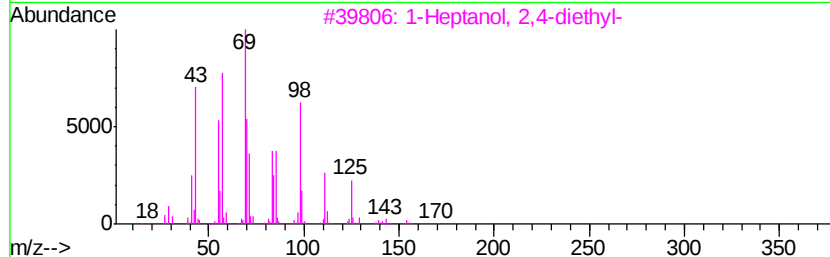
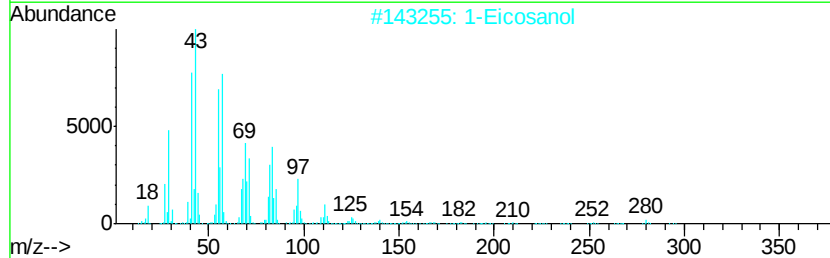
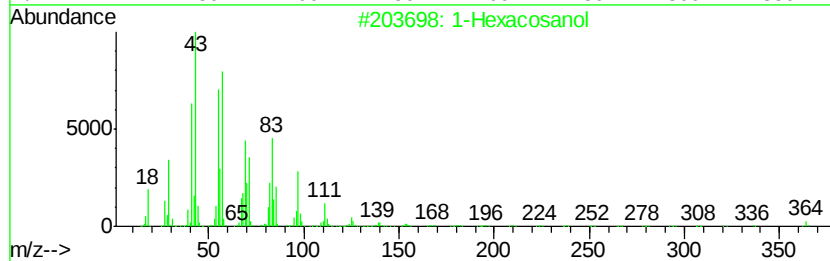
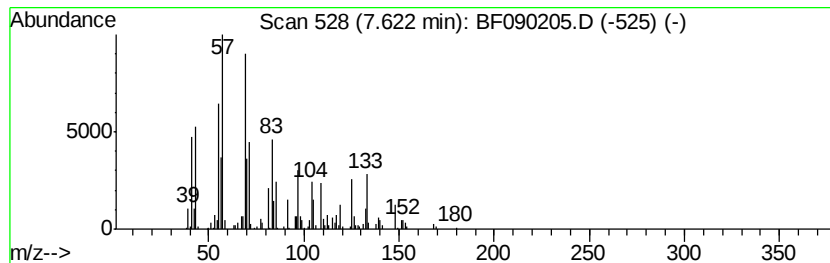
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown7.62 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	8.28 ng	707841	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexacosanol	382	C26H54O	000506-52-5	35
2		1-Eicosanol	298	C20H42O	000629-96-9	27
3		1-Heptanol, 2,4-diethyl-	172	C11H24O	080192-55-8	27
4		2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	25
5		Oxalic acid, cyclobutyl octadecy...	396	C24H44O4	1000309-70-8	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090205.D
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Misc :
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Instrument :
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ClientSampleId :
SOILWASTE -CHARACTERIZATION

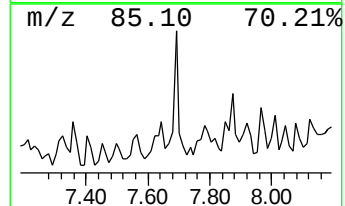
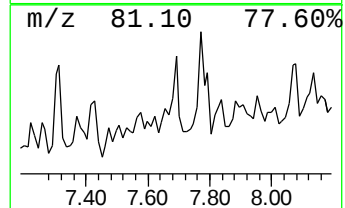
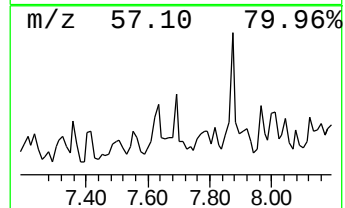
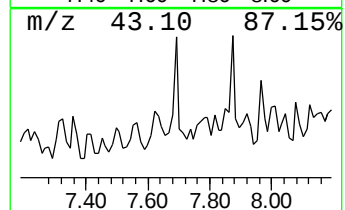
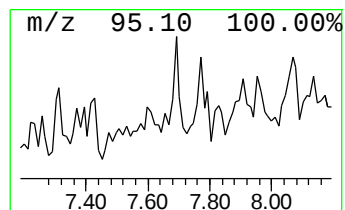
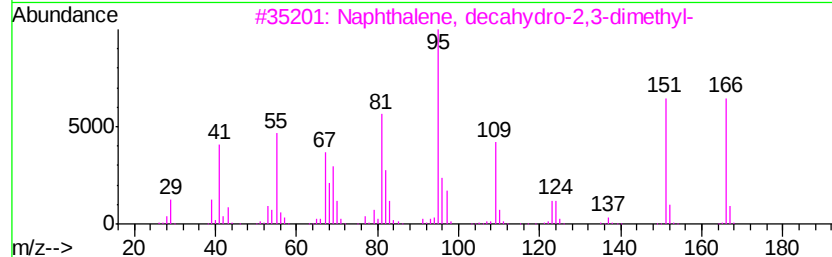
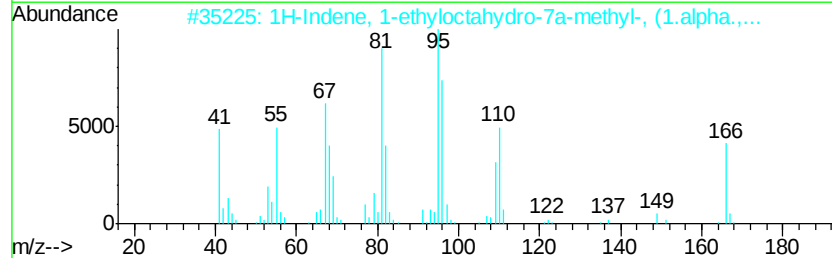
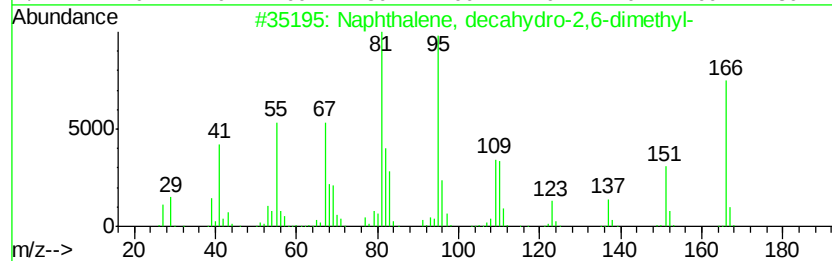
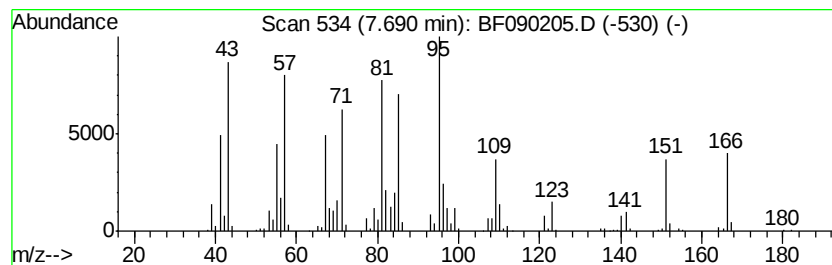
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, decahydro-2,6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	10.90 ng	932147	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	64
2		1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	52
3		Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	49
4		Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	46
5		2-Decyne	138	C10H18	002384-70-5	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
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Instrument :
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ClientSampleId :
SOILWASTE -CHARACTERIZATION

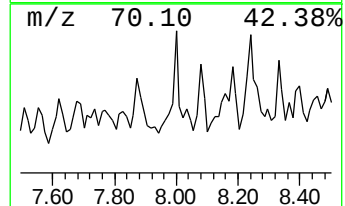
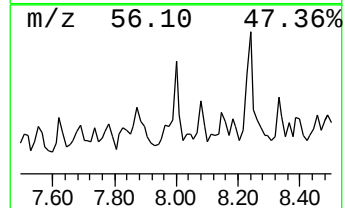
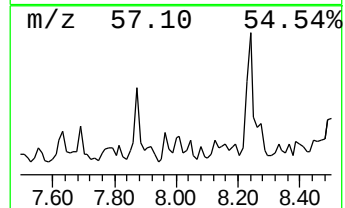
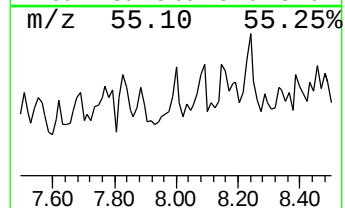
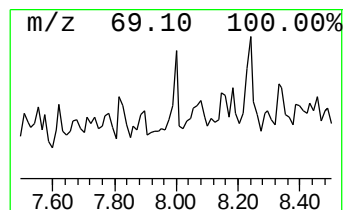
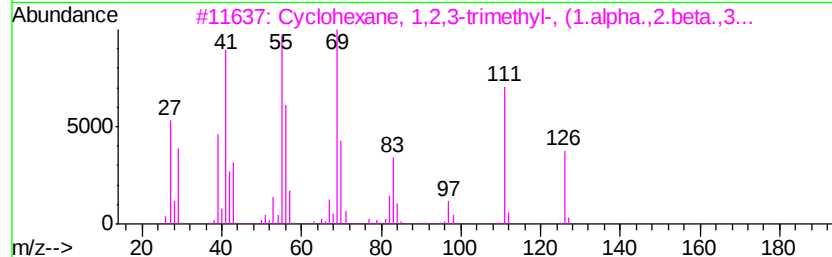
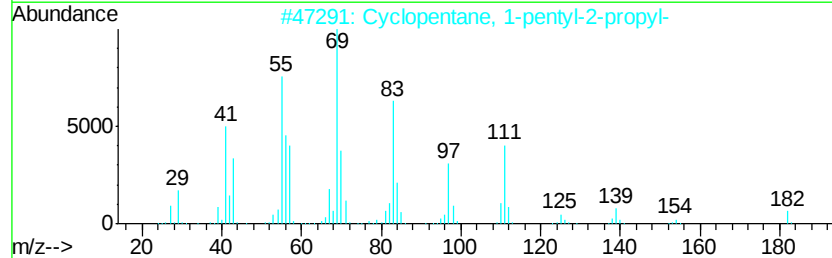
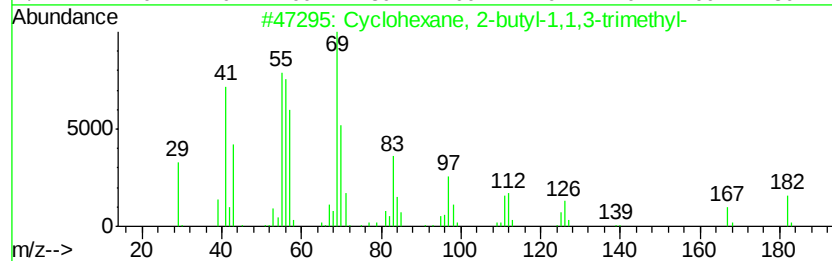
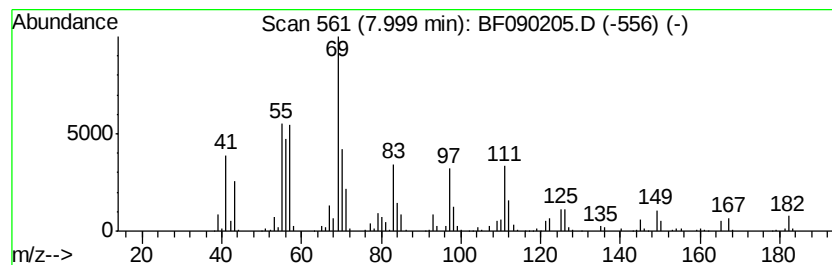
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	18.89 ng	1615220	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	93
2		Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	74
3		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	72
4		6-Dodecene, (E)-	168	C12H24	007206-17-9	64
5		Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
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ClientSampleId :
SOILWASTE -CHARACTERIZATION

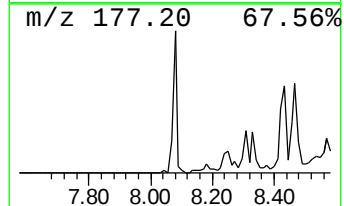
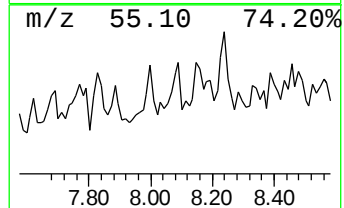
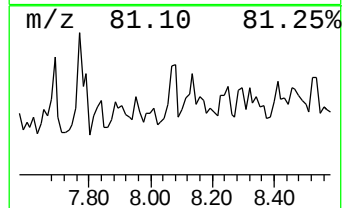
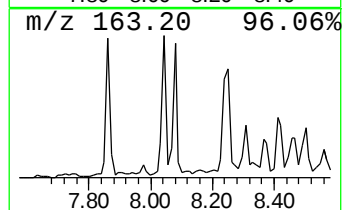
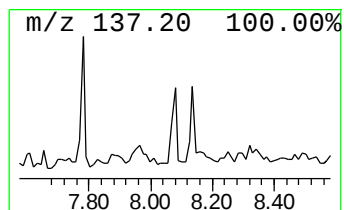
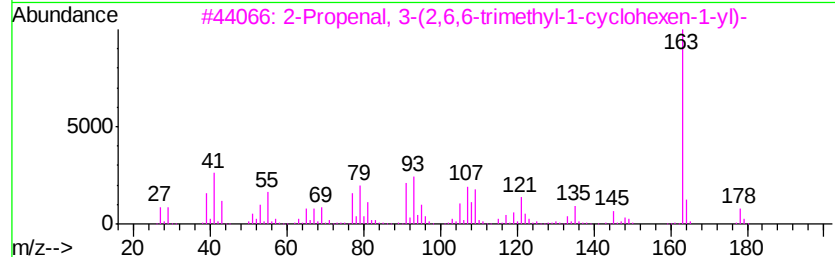
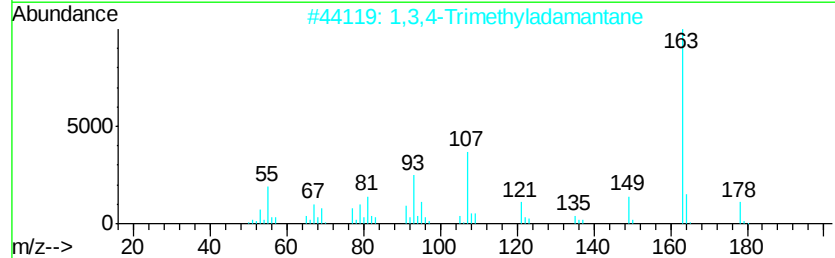
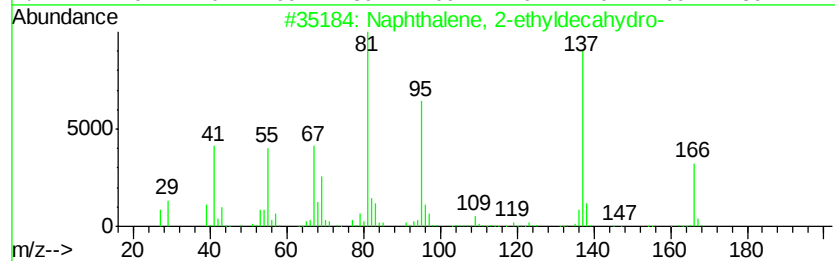
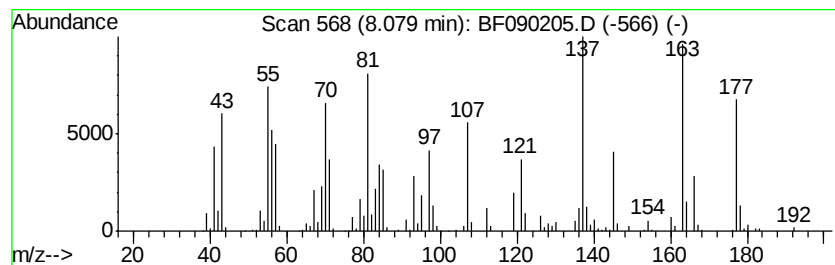
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown8.08 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	7.76 ng	663965	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	27
2		1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	11
3		2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	11
4		1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	10
5		Cyclohexene,3-butyl-	138	C10H18	003983-07-1	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE -CHARACTERIZATION

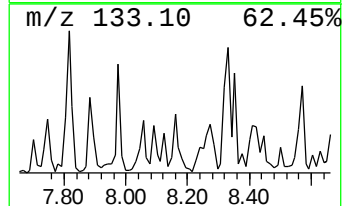
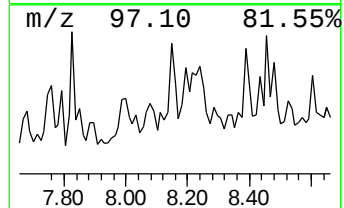
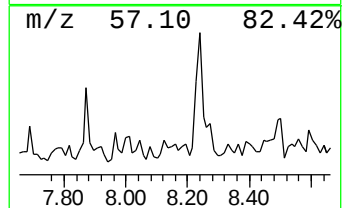
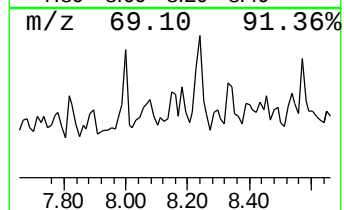
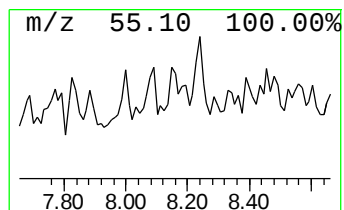
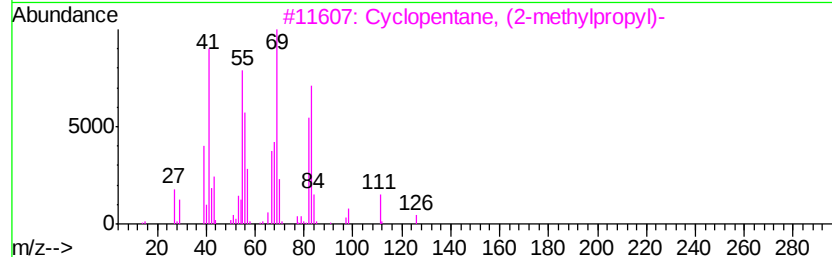
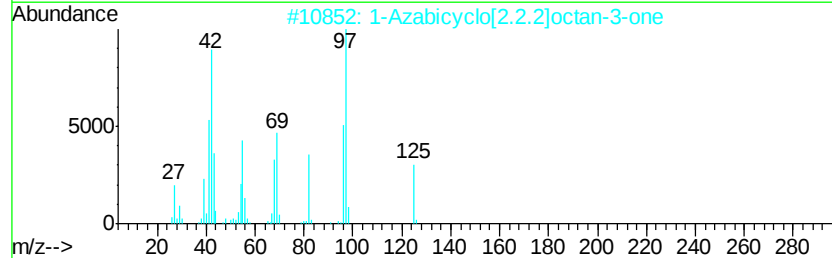
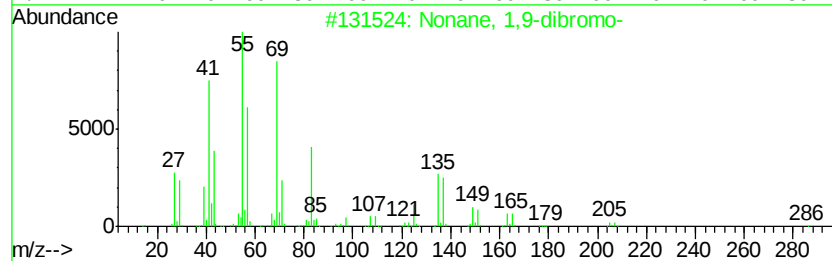
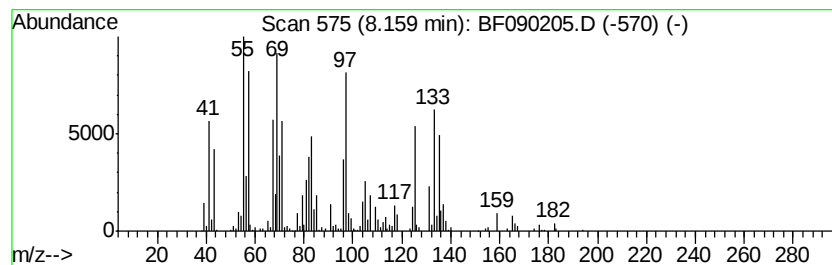
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown8.16 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	16.74 ng	1431750	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 1,9-dibromo-	284	C9H18Br2	004549-33-1	27
2		1-Azabicyclo[2.2.2]octan-3-one	125	C7H11NO	003731-38-2	22
3		Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	22
4		1-Hepten-3-one	112	C7H12O	002918-13-0	22
5		2,7-Octadiene, 4-methyl-	124	C9H16	1000061-78-0	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
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ClientSampleId :
SOILWASTE -CHARACTERIZATION

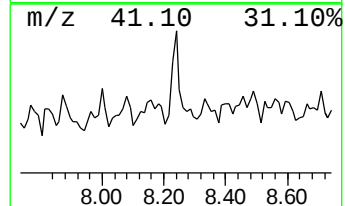
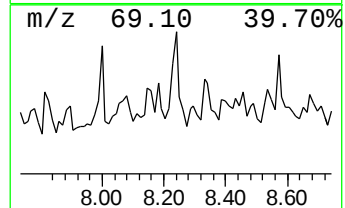
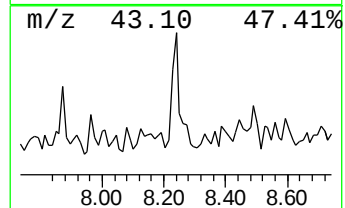
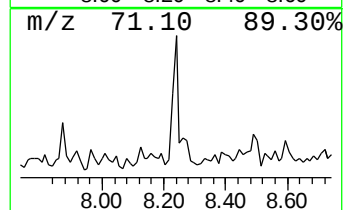
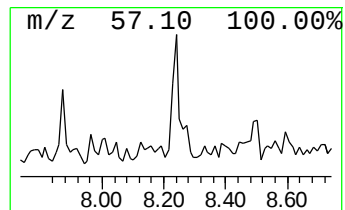
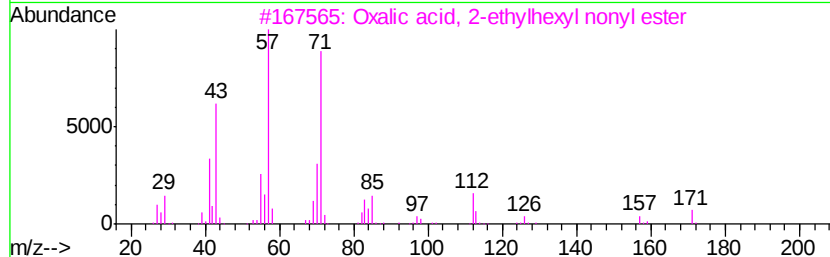
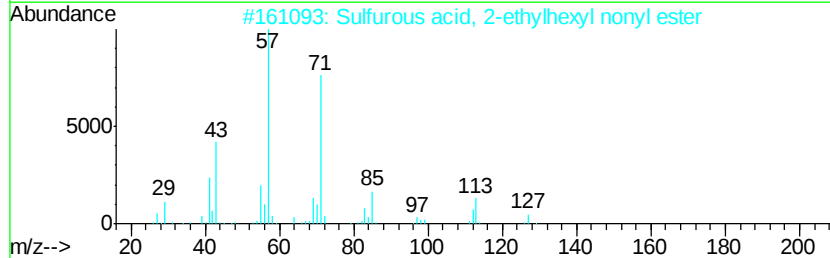
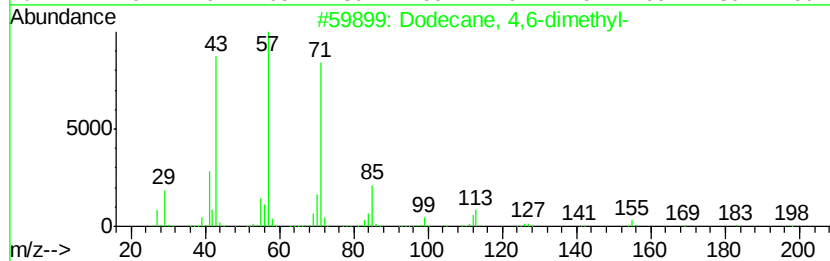
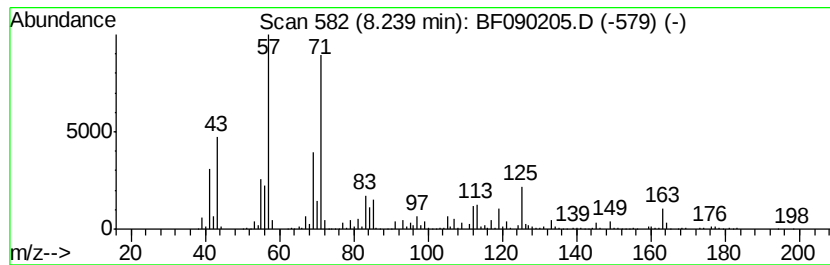
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Dodecane, 4,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	28.17 ng	2408870	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	58
2		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	58
3		Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	53
4		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	53
5		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
SOILWASTE -CHARACTERIZATION

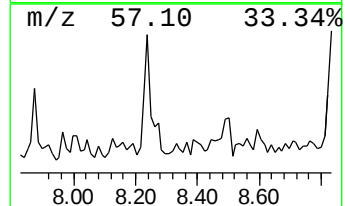
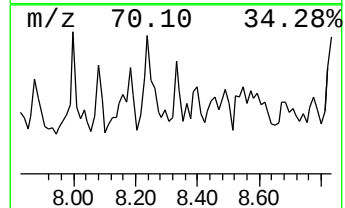
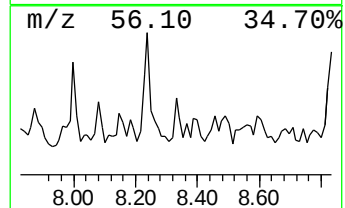
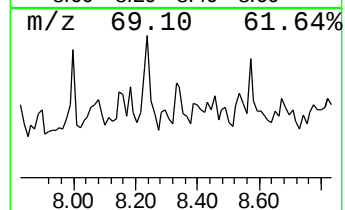
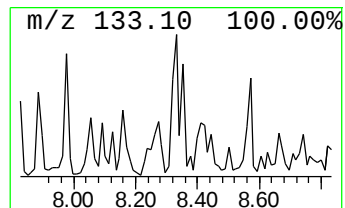
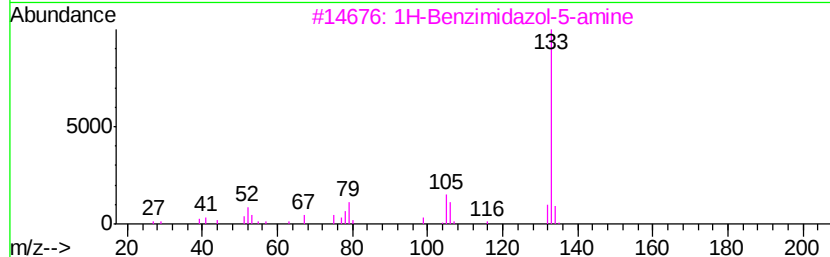
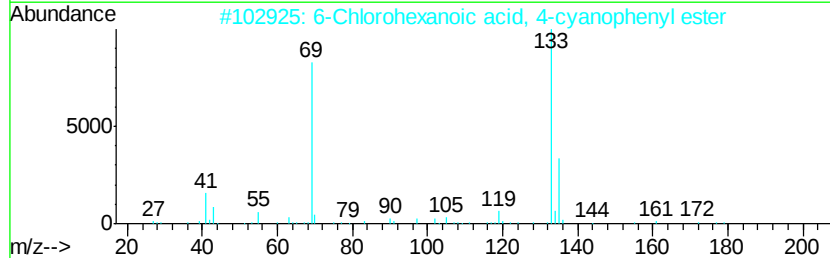
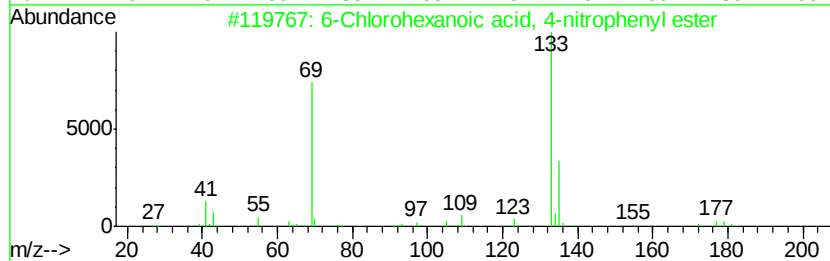
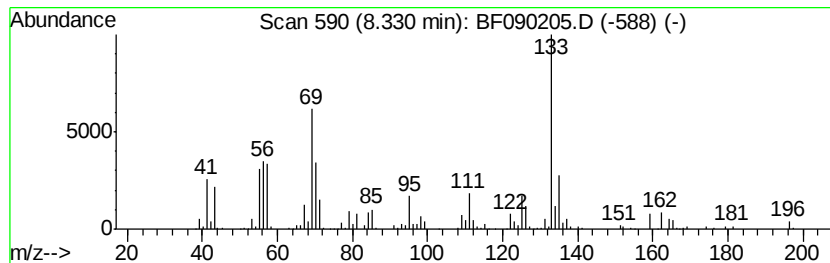
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown8.33 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	9.26 ng	791724	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Chlorohexanoic acid, 4-nitroph...	271	C12H14ClN04	1000307-62-5	43
2		6-Chlorohexanoic acid, 4-cyanoph...	251	C13H14ClN02	1000307-62-3	37
3		1H-Benzimidazol-5-amine	133	C7H7N3	000934-22-5	35
4		4'-Ethylpropiophenone	162	C11H14O	027465-51-6	35
5		Glutaric acid, monochloride, 3-h...	234	C11H19ClO3	1000359-56-0	33



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
Misc :
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ClientSampleId :
SOILWASTE -CHARACTERIZATION

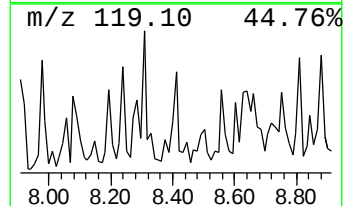
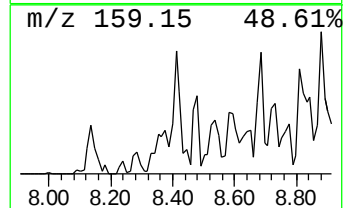
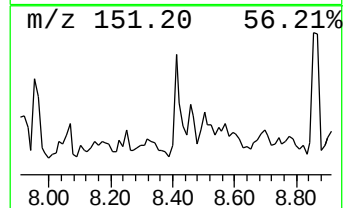
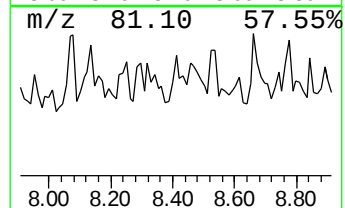
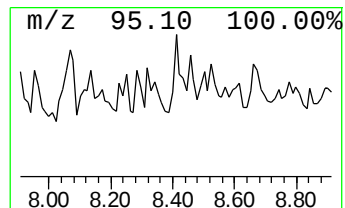
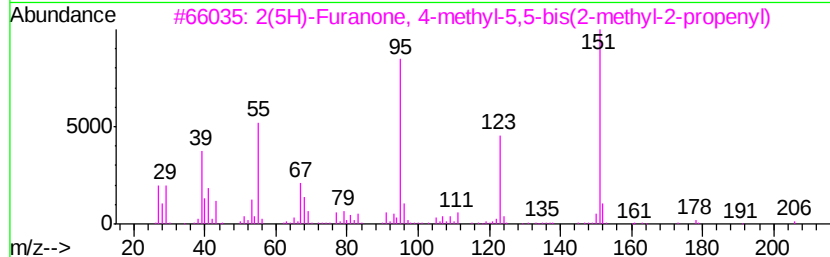
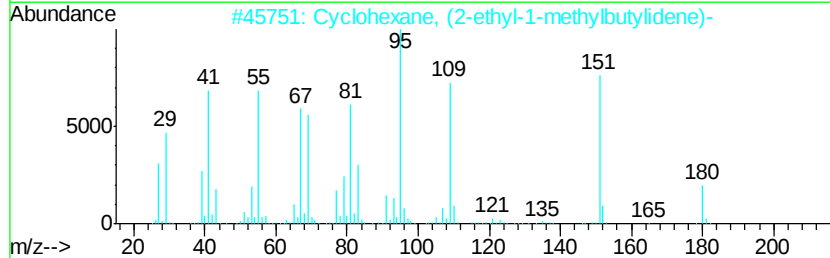
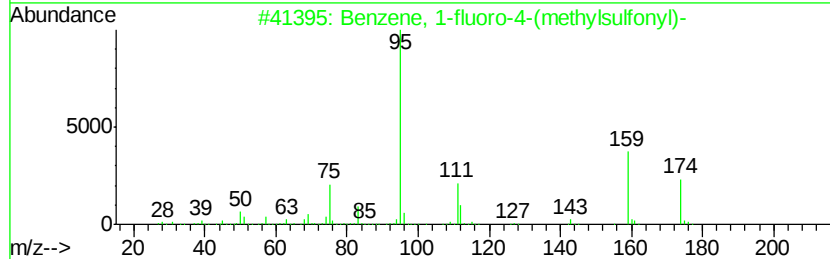
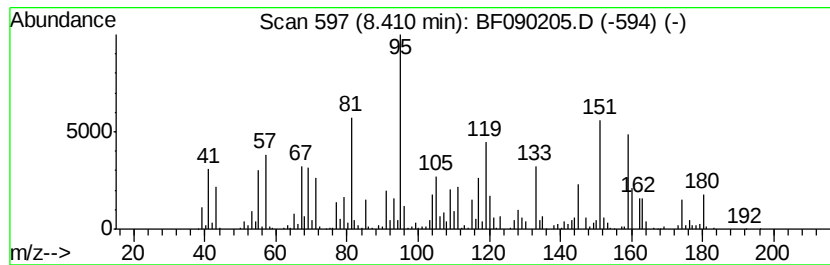
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown8.41 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	10.37 ng	886458	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-fluoro-4-(methyvsulfo...	174	C7H7F02S	000455-15-2	35
2		Cyclohexane, (2-ethyl-1-methylbu...	180	C13H24	074810-41-6	30
3		2(5H)-Furanone, 4-methvl-5,5-bis...	206	C13H18O2	099202-98-9	27
4		5-Isopropyl-2,8-dimethyl-9-oxatr...	222	C14H22O2	1000185-23-8	27
5		1,4 Benzodioxan-6-amine	151	C8H9NO2	022013-33-8	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
SOILWASTE -CHARACTERIZATION

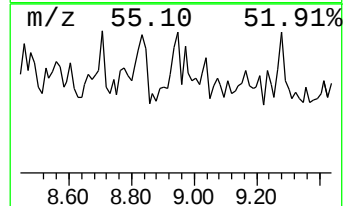
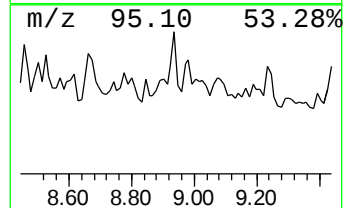
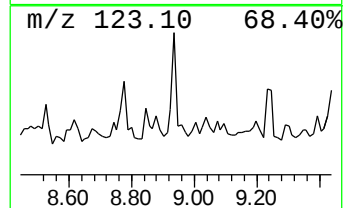
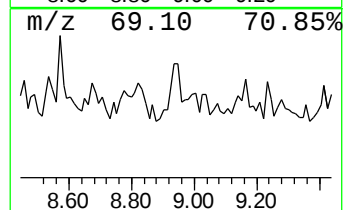
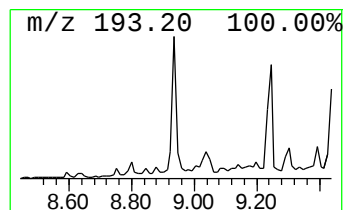
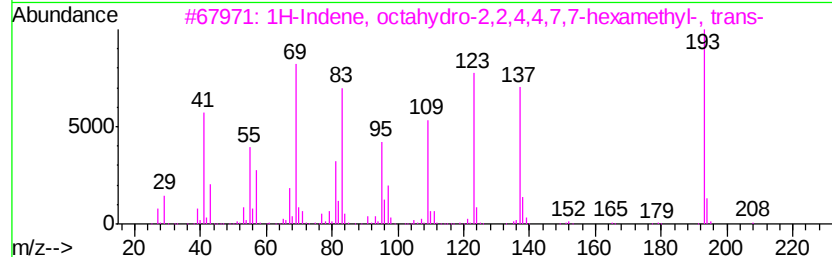
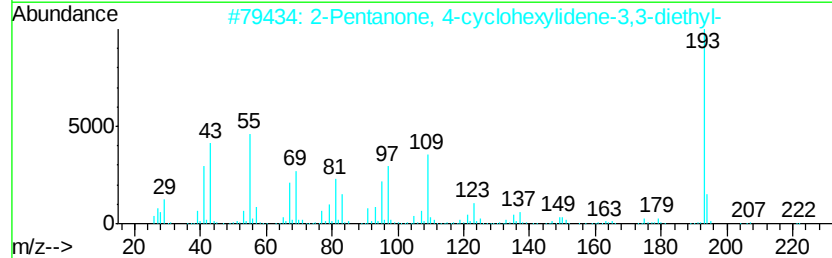
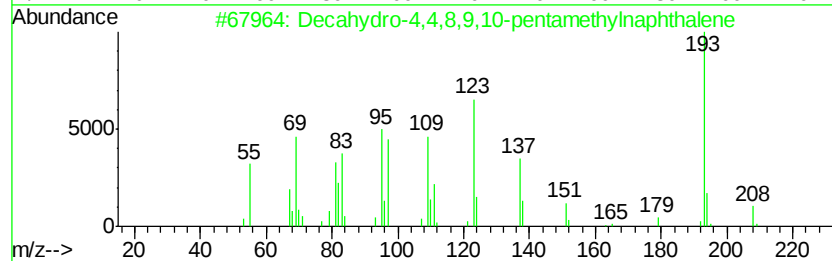
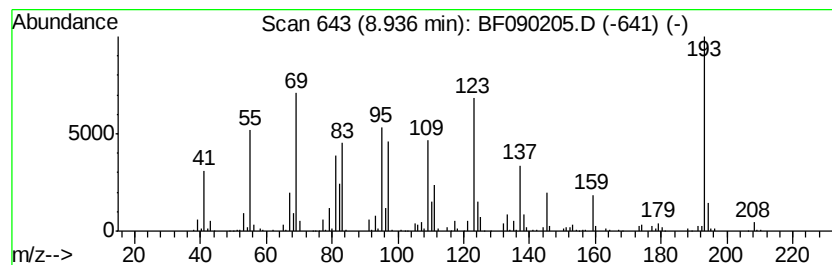
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Decahydro-4,4,8,9,10-pentam... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	13.07 ng	905562	Acenaphthene-d10	9.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	91
2		2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	43
3		1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	38
4		Cyclopentaneethanol, .beta.,2,3-...	156	C10H20O	021721-18-6	25
5		2-Anthracenamine	193	C14H11N	000613-13-8	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
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ALS Vial : 12 Sample Multiplier: 1

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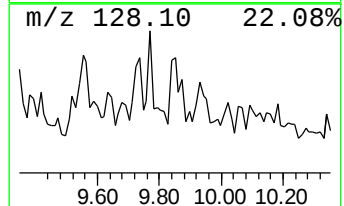
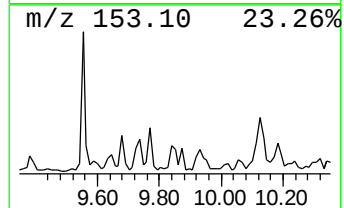
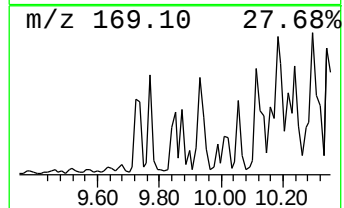
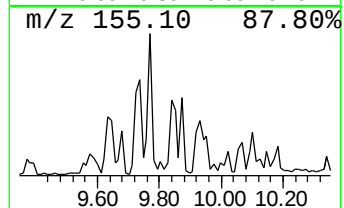
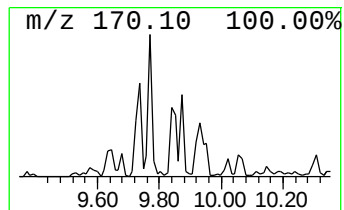
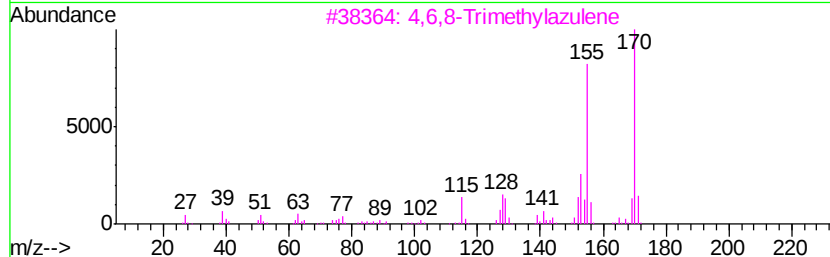
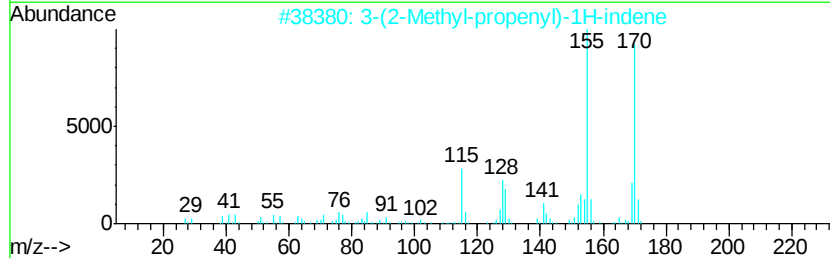
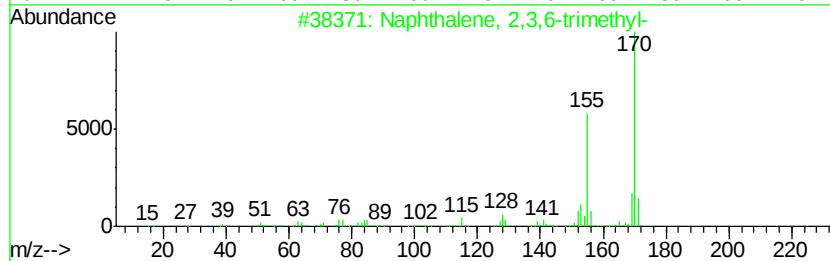
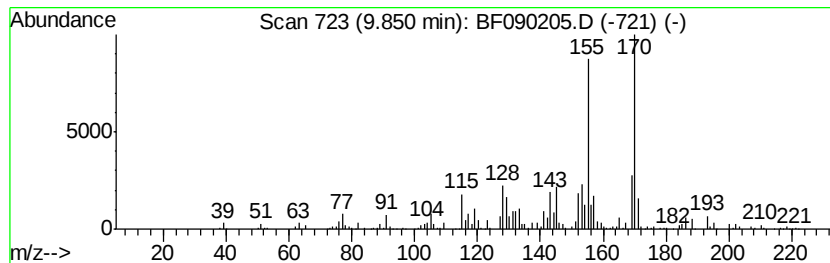
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	8.24 ng	570950	Acenaphthene-d10	9.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94
3		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
5		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
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Acq On : 23 Sep 2016 18:44
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SOILWASTE-CHARACTERIZATION

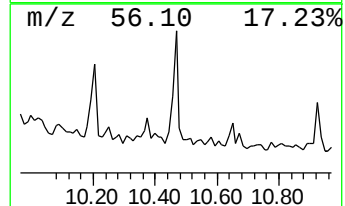
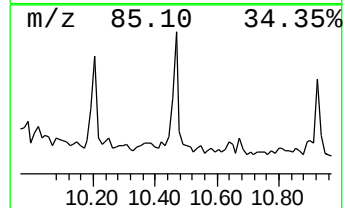
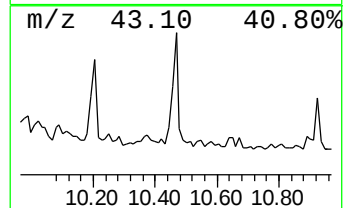
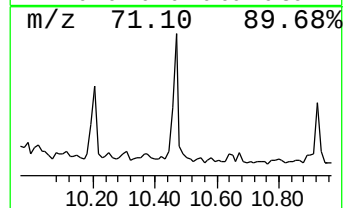
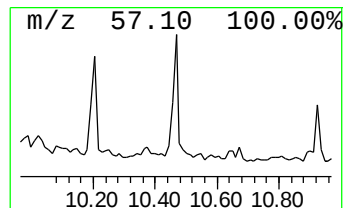
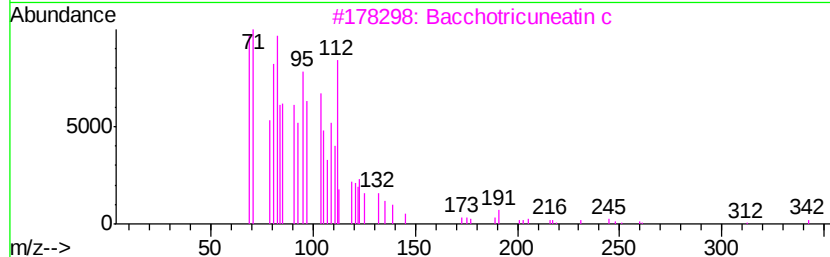
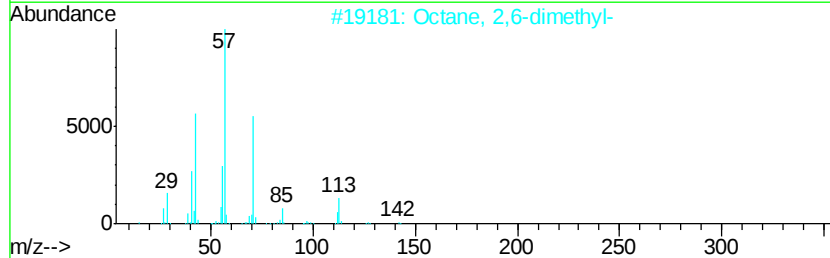
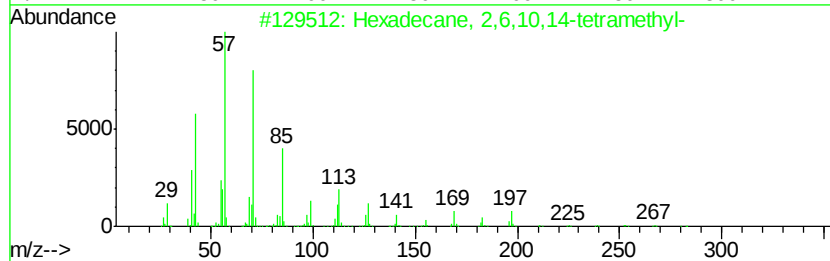
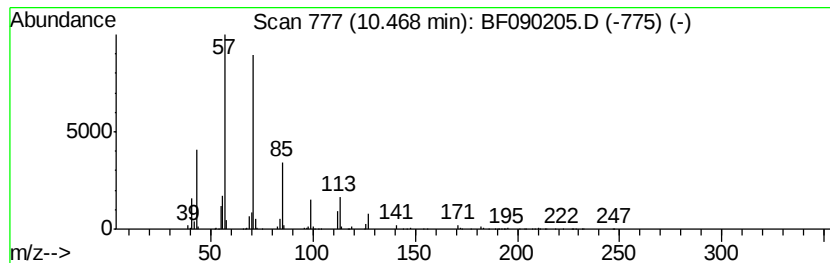
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Hexadecane, 2,6,10,14-tetra... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	8.74 ng	478791	Phenanthrene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3			Bacchotricuneatin c	342	C20H22O5	066563-30-2	70
4			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5			2-Bromo-6-methylheptane	192	C8H17Br	004730-24-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
Data File : BF090205.D
Acq On : 23 Sep 2016 18:44
Operator : UM/SJ
Sample : H4870-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

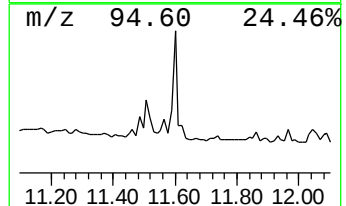
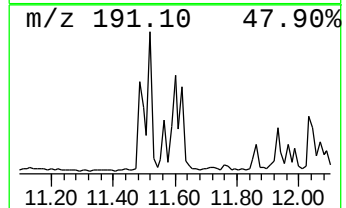
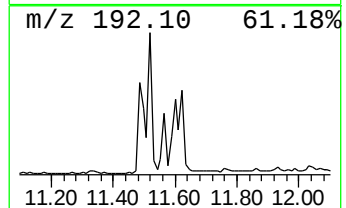
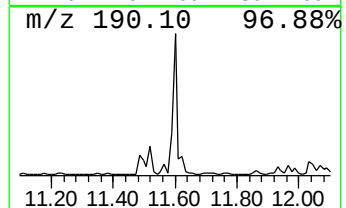
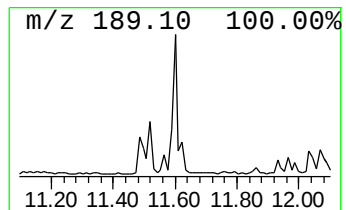
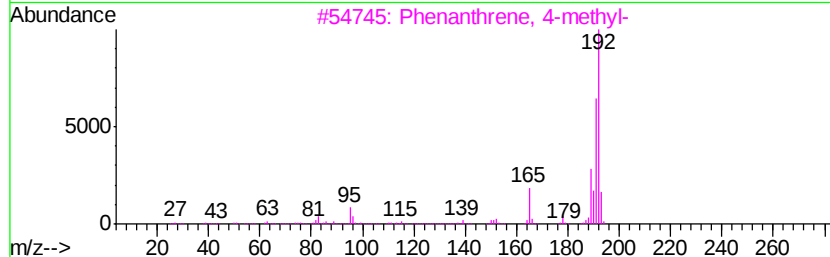
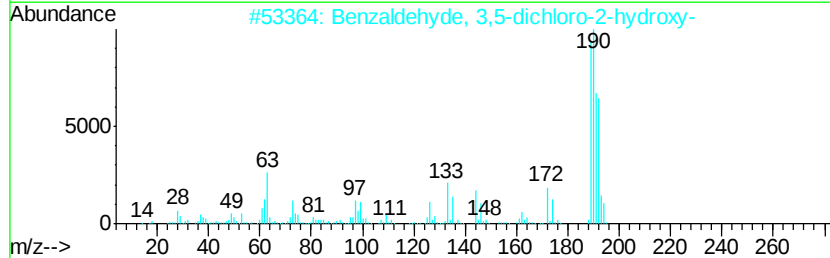
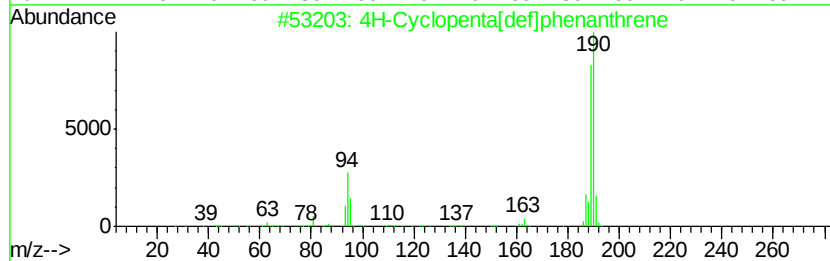
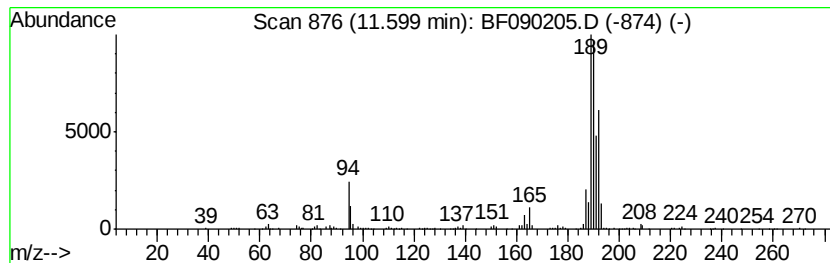
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	13.88 ng	760637	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4		Naphtho[1,2-b]norborene	192	C15H12	1000210-14-8	38
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
 Data File : BF090205.D
 Acq On : 23 Sep 2016 18:44
 Operator : UM/SJ
 Sample : H4870-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE -CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.58	12.3	ng	570453	1	6.49	928590	20.0
unknown6.26	6.26	59.8	ng	2774740	1	6.49	928590	20.0
o-Cymene	6.58	12.2	ng	567691	1	6.49	928590	20.0
4-Octene, 2,3,7-t...	6.76	7.8	ng	362763	1	6.49	928590	20.0
cis-Decalin, 2-sy...	7.31	9.6	ng	819894	2	7.78	1710150	20.0
unknown7.42	7.42	12.9	ng	1103420	2	7.78	1710150	20.0
unknown7.62	7.62	8.3	ng	707841	2	7.78	1710150	20.0
Naphthalene, deca...	7.69	10.9	ng	932147	2	7.78	1710150	20.0
Cyclohexane, 2-bu...	8.00	18.9	ng	1615220	2	7.78	1710150	20.0
unknown8.08	8.08	7.8	ng	663965	2	7.78	1710150	20.0
unknown8.16	8.16	16.7	ng	1431750	2	7.78	1710150	20.0
Dodecane, 4,6-dim...	8.24	28.2	ng	2408870	2	7.78	1710150	20.0
unknown8.33	8.33	9.3	ng	791724	2	7.78	1710150	20.0
unknown8.41	8.41	10.4	ng	886458	2	7.78	1710150	20.0
Decahydro-4,4,8,9...	8.94	13.1	ng	905562	3	9.52	1385260	20.0
Naphthalene, 2,3,...	9.85	8.2	ng	570950	3	9.52	1385260	20.0
Hexadecane, 2,6,1...	10.47	8.7	ng	478791	4	10.99	1096070	20.0
4H-Cyclopenta[def...	11.60	13.9	ng	760637	4	10.99	1096070	20.0