

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
 Data File : BF090572.D
 Acq On : 14 Oct 2016 16:33
 Operator : UM/SJ
 Sample : H5192-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE-CHARACTERIZATION

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-BF101316.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	5.103	240	242	247	rBV	541920	692514	8.23%	0.289%
2	5.526	276	279	281	rBV	2524253	2613279	31.04%	1.089%
3	6.166	332	335	338	rBV2	382980	658411	7.82%	0.274%
4	6.349	349	351	353	rBV	422598	583160	6.93%	0.243%
5	6.417	353	357	358	rVB2	525269	627822	7.46%	0.262%
6	6.452	358	360	363	rBV2	517514	953745	11.33%	0.397%
7	6.555	366	369	371	rBV	2732226	3850551	45.74%	1.605%
8	6.680	378	380	385	rVB	2870103	4639773	55.11%	1.933%
9	6.772	385	388	390	rVB4	355859	683889	8.12%	0.285%
10	6.863	392	396	397	rBV3	231030	561717	6.67%	0.234%
11	6.932	397	402	404	rVB3	1592253	3094228	36.76%	1.289%
12	6.977	404	406	408	rBV	669247	796776	9.46%	0.332%
13	7.035	408	411	412	rBV3	589836	881769	10.47%	0.367%
14	7.069	412	414	418	rVB2	3124839	4405428	52.33%	1.836%
15	7.195	420	425	427	rBV2	1136558	2111165	25.08%	0.880%
16	7.229	427	428	430	rBV2	758299	696794	8.28%	0.290%
17	7.263	430	431	433	rVB2	545867	614567	7.30%	0.256%
18	7.309	433	435	437	rBV2	1160922	1665773	19.79%	0.694%
19	7.343	437	438	441	rVB3	294539	477681	5.67%	0.199%
20	7.457	445	448	449	rBV2	2214213	3168603	37.64%	1.320%
21	7.480	449	450	455	rVB3	2095692	3782665	44.93%	1.576%
22	7.572	455	458	460	rVB3	1301521	2047687	24.32%	0.853%
23	7.640	460	464	465	rBV2	926769	2154504	25.59%	0.898%
24	7.709	465	470	471	rBV3	1466095	2859091	33.96%	1.191%
25	7.732	471	472	473	rVB	1872279	1284383	15.26%	0.535%
26	7.823	476	480	481	rBV4	1293527	2874366	34.14%	1.198%
27	7.846	481	482	484	rVB2	1737384	1846367	21.93%	0.769%
28	7.892	484	486	487	rBV2	1249945	1508056	17.91%	0.628%
29	7.926	487	489	490	rBV	860686	698535	8.30%	0.291%
30	7.949	490	491	495	rVB3	1191004	1893822	22.50%	0.789%
31	8.029	497	498	501	rVB2	1125107	1098740	13.05%	0.458%
32	8.086	501	503	507	rBV4	718759	2282167	27.11%	0.951%
33	8.166	507	510	511	rBV2	1318047	2393470	28.43%	0.997%
34	8.200	511	513	517	rVB4	1818561	3219433	38.24%	1.342%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
 Data File : BF090572.D
 Acq On : 14 Oct 2016 16:33
 Operator : UM/SJ
 Sample : H5192-03
 Misc :
 ALS Vial : 16 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-BF101316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.280	517	520	521	rVB2	2798399	4035457	47.94%	1.682%
36	8.303	521	522	526	rVB3	1635421	2485989	29.53%	1.036%
37	8.372	526	528	530	rBV2	835142	1982202	23.55%	0.826%
38	8.418	530	532	533	rVB2	1035761	1103986	13.11%	0.460%
39	8.509	536	540	543	rBV4	2500294	5110282	60.70%	2.130%
40	8.555	543	544	546	rVB2	709152	942802	11.20%	0.393%
41	8.600	546	548	549	rVB	1242418	1457160	17.31%	0.607%
42	8.646	549	552	554	rBV2	3190645	6361119	75.56%	2.651%
43	8.715	556	558	560	rBV3	1139745	1715685	20.38%	0.715%
44	8.760	560	562	564	rBV3	1060962	1626474	19.32%	0.678%
45	8.806	564	566	568	rBV2	959844	1731465	20.57%	0.722%
46	8.909	573	575	576	rVB	1769377	2350611	27.92%	0.980%
47	8.966	578	580	581	rBV2	1017086	952882	11.32%	0.397%
48	9.023	581	585	590	rBV7	1286853	5354584	63.61%	2.231%
49	9.092	590	591	592	rBV	1292586	1381930	16.42%	0.576%
50	9.126	592	594	596	rVB2	1686505	2170949	25.79%	0.905%
51	9.240	602	604	606	rVB	3931497	4109011	48.81%	1.712%
52	9.286	606	608	611	rVB	3104508	3362667	39.94%	1.401%
53	9.378	613	616	618	rBV2	1778825	3749736	44.54%	1.563%
54	9.446	618	622	624	rBV4	841367	2167818	25.75%	0.903%
55	9.561	629	632	634	rBV3	1133858	2052529	24.38%	0.855%
56	9.629	634	638	639	rBV3	2679899	3886541	46.17%	1.620%
57	9.698	641	644	647	rVB3	3849321	6692210	79.50%	2.789%
58	9.846	655	657	658	rBV2	1203701	1706312	20.27%	0.711%
59	9.881	658	660	662	rVB2	1627133	2465549	29.29%	1.027%
60	9.972	665	668	669	rVV3	2316773	3803054	45.18%	1.585%
61	10.006	669	671	676	rVB6	1287582	3698533	43.93%	1.541%
62	10.086	676	678	680	rVB	1511489	2141466	25.44%	0.892%
63	10.132	680	682	683	rBV2	1008450	1729126	20.54%	0.721%
64	10.178	683	686	688	rVV2	1828936	2461778	29.24%	1.026%
65	10.235	688	691	694	rVB3	2105985	4486043	53.29%	1.869%
66	10.292	694	696	697	rBV	2306536	2565721	30.48%	1.069%
67	10.383	702	704	707	rBV3	1597805	2537512	30.14%	1.057%
68	10.543	714	718	719	rBV4	1213805	3345757	39.74%	1.394%
69	10.635	723	726	728	rVB	4283428	5427339	64.47%	2.262%
70	10.761	735	737	739	rVB3	1246783	1759978	20.91%	0.733%
71	10.898	746	749	752	rVB2	5074306	8418399	100.00%	3.508%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
 Data File : BF090572.D
 Acq On : 14 Oct 2016 16:33
 Operator : UM/SJ
 Sample : H5192-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE-CHARACTERIZATION

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-BF101316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.069	762	764	765	rBV	952630	1104346	13.12%	0.460%
73	11.104	765	767	773	rVB6	2228731	5071702	60.25%	2.113%
74	11.218	775	777	780	rVB4	1068327	1658316	19.70%	0.691%
75	11.366	787	790	792	rVB	3684615	5704718	67.76%	2.377%
76	11.492	797	801	804	rBV2	2459691	6034067	71.68%	2.514%
77	11.709	818	820	825	rVB3	1703727	2629046	31.23%	1.096%
78	11.961	841	842	843	rBV	785085	782824	9.30%	0.326%
79	12.075	850	852	856	rVB2	1467450	2587356	30.73%	1.078%
80	12.441	882	884	887	rVB	825269	1139711	13.54%	0.475%
81	12.509	888	890	892	rVB	861481	779487	9.26%	0.325%
82	12.669	902	904	907	rVB	2585149	3230326	38.37%	1.346%
83	12.898	921	924	927	rBV2	2776081	4208531	49.99%	1.754%
84	12.955	927	929	932	rVV	388501	544697	6.47%	0.227%
85	13.047	934	937	941	rVB	2160519	3637557	43.21%	1.516%
86	13.115	941	943	947	rVB4	283493	550267	6.54%	0.229%
87	13.298	957	959	960	rBV	246458	408869	4.86%	0.170%
88	13.332	960	962	966	rVB2	392644	727836	8.65%	0.303%
89	13.870	1005	1009	1010	rBV3	281210	486394	5.78%	0.203%
90	14.087	1025	1028	1030	rBV2	2515335	4584563	54.46%	1.910%
91	14.441	1055	1059	1060	rBV2	220727	559623	6.65%	0.233%
92	15.138	1117	1120	1125	rBV	1891780	4853477	57.65%	2.022%
93	15.241	1128	1129	1132	rVV	440611	491827	5.84%	0.205%
94	15.435	1144	1146	1150	rVB	949140	1796711	21.34%	0.749%
95	15.504	1150	1152	1155	rVB	1797406	2709281	32.18%	1.129%
96	15.561	1155	1157	1159	rBV	574233	1111168	13.20%	0.463%
97	16.270	1216	1219	1225	rVB2	337848	897850	10.67%	0.374%
98	16.704	1254	1257	1265	rVB5	352326	1021043	12.13%	0.425%
99	17.036	1282	1286	1290	rVB2	861189	2015226	23.94%	0.840%
100	17.470	1321	1324	1333	rVB	634221	1596653	18.97%	0.665%

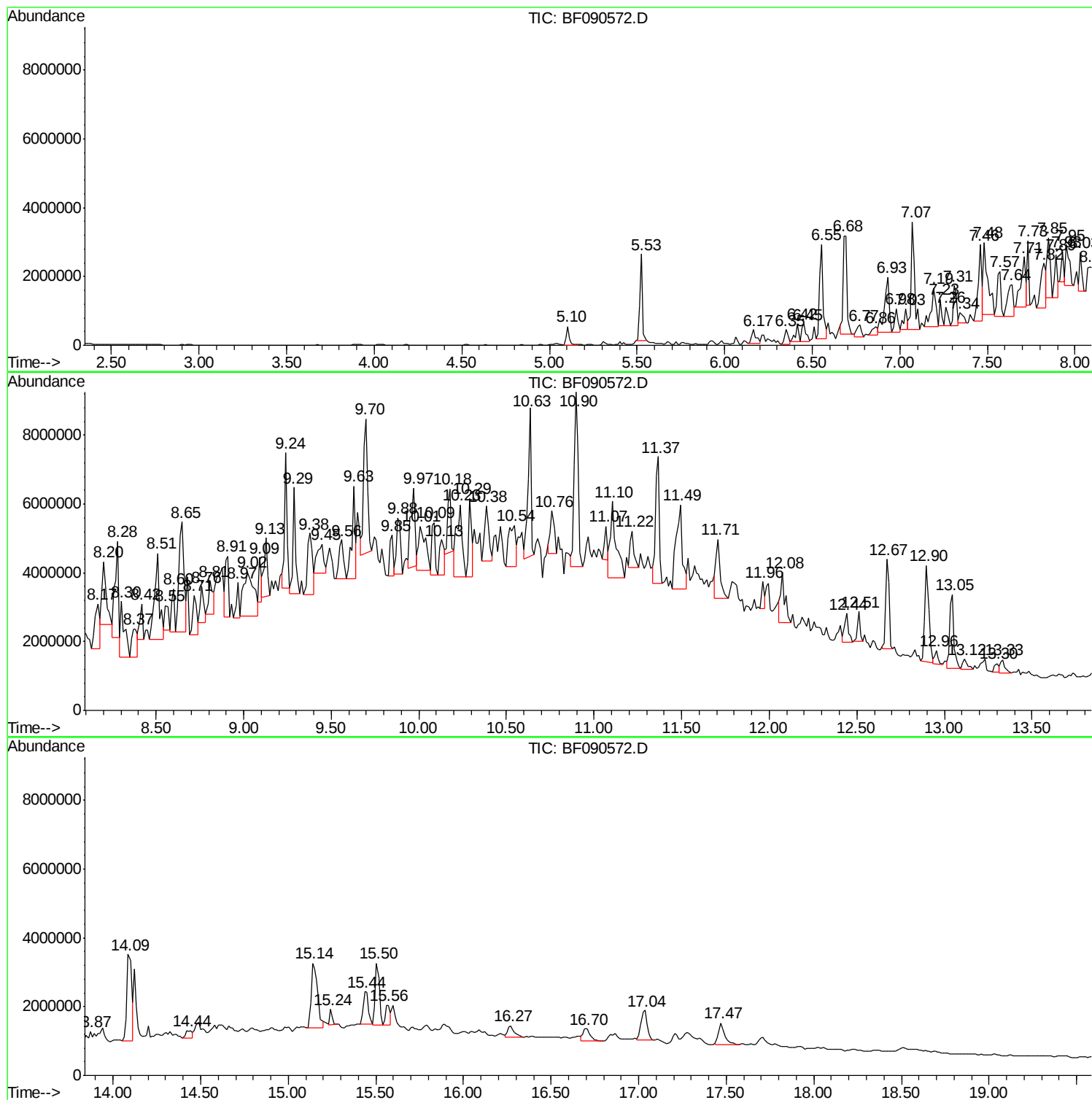
Sum of corrected areas: 239975059

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

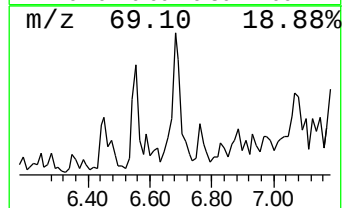
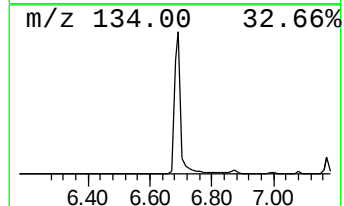
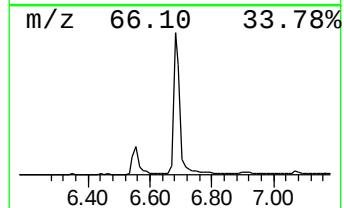
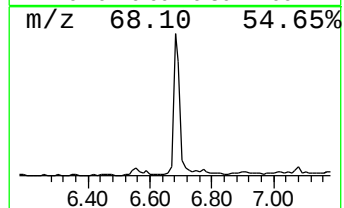
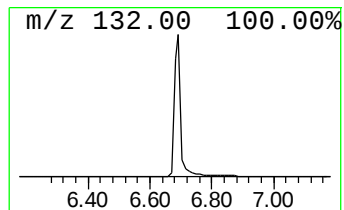
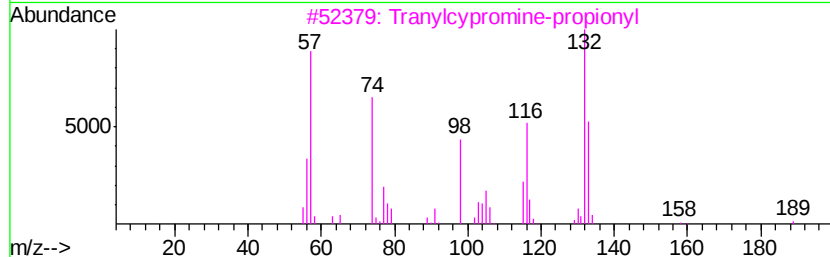
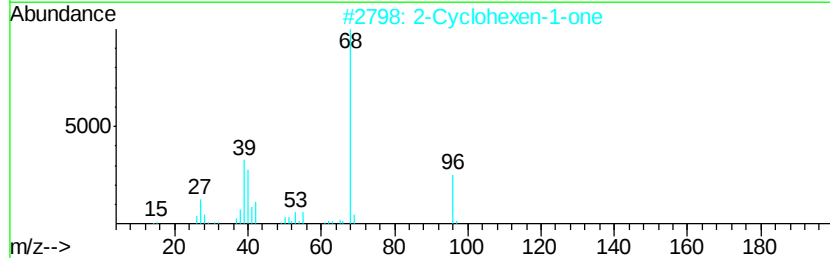
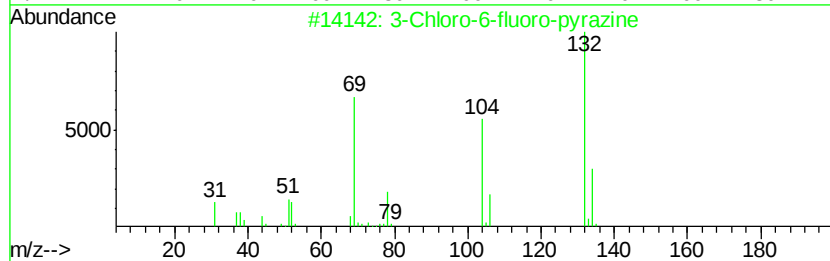
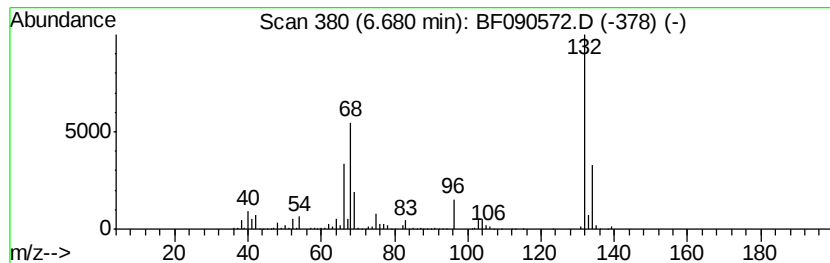
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.68 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	29.99 ng	4639770	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		5-Aminoindole	132	C8H8N2	005192-03-0	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

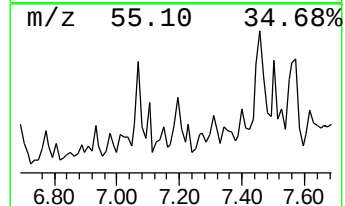
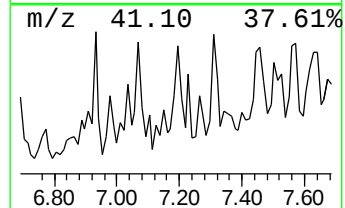
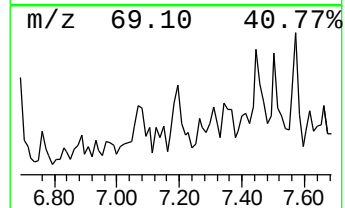
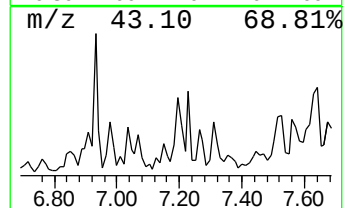
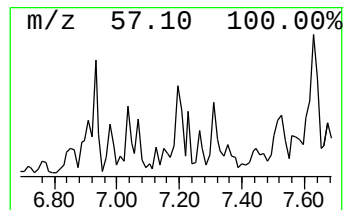
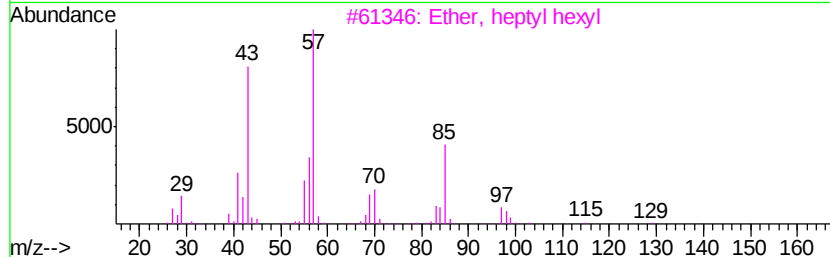
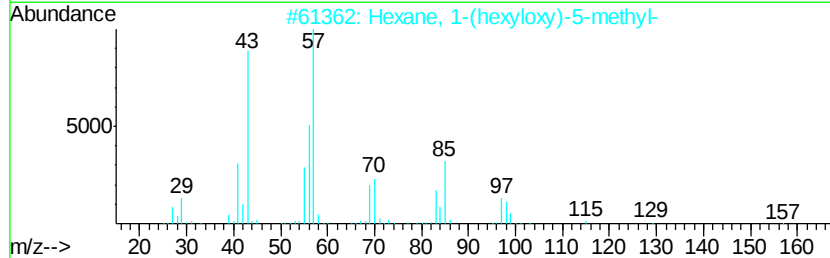
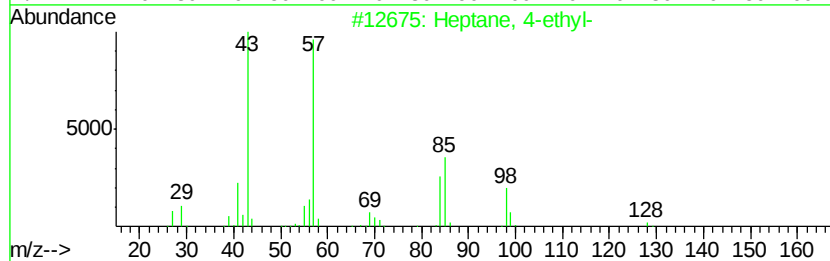
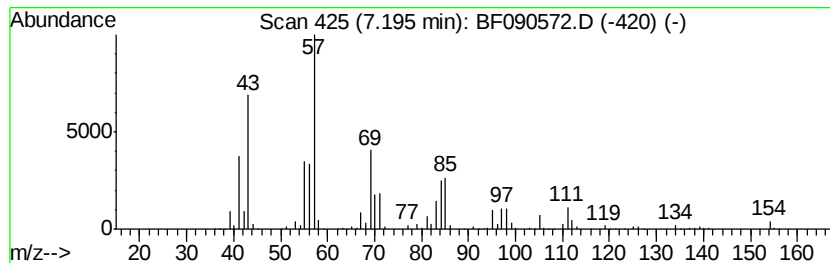
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown7.19 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	13.65 ng	2111170	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
2		Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	46
3		Ether, heptyl hexyl	200	C13H28O	007289-40-9	43
4		1-Decanol, 2-methyl-	172	C11H24O	018675-24-6	38
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

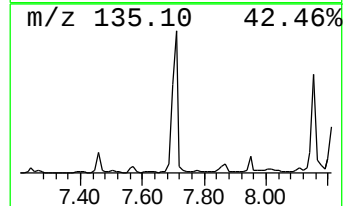
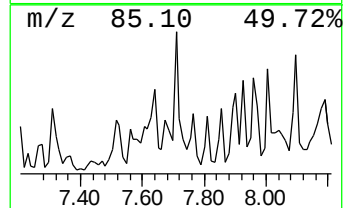
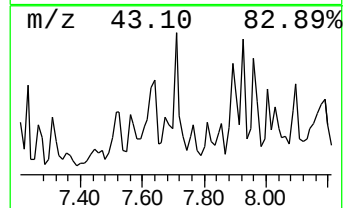
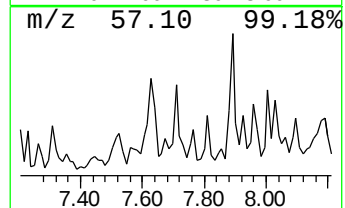
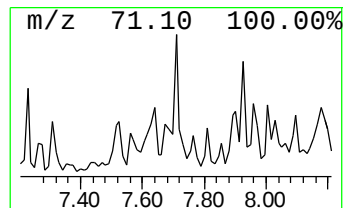
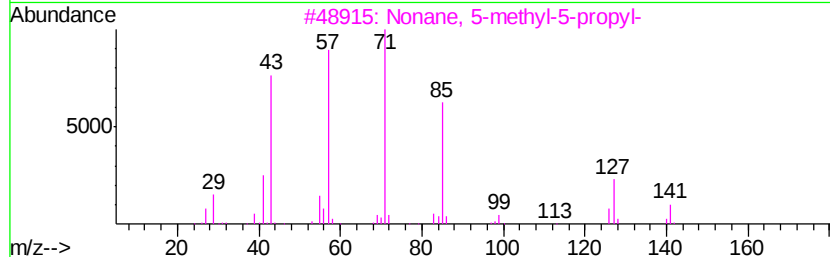
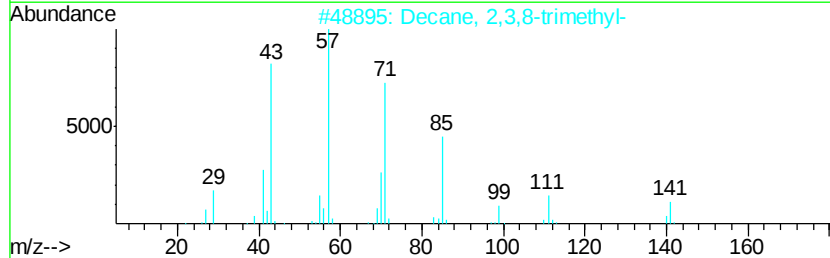
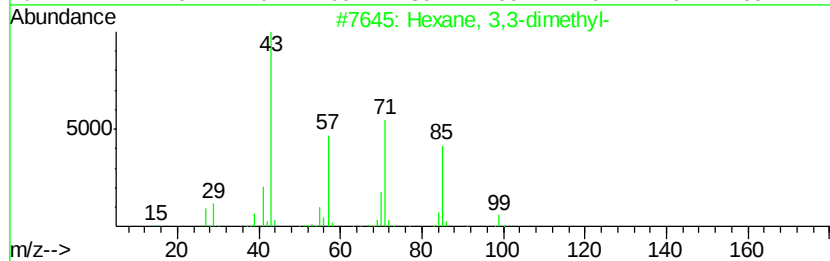
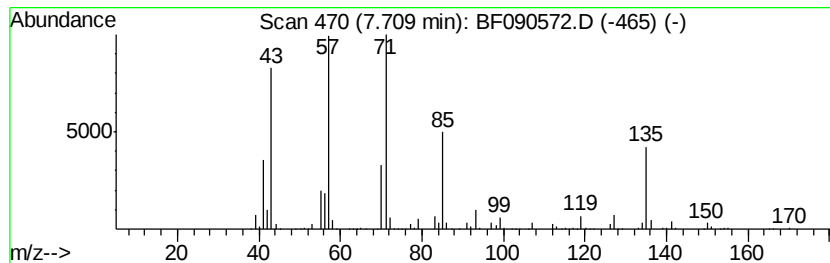
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexane, 3,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	17.76 ng	2859090	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
2		Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	53
3		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	50
4		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	50
5		Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

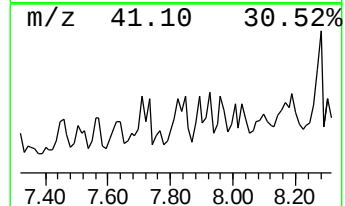
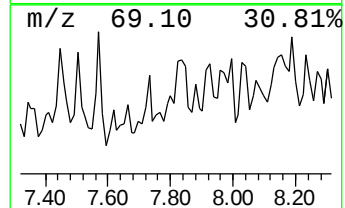
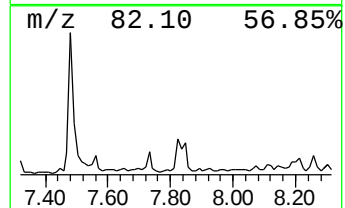
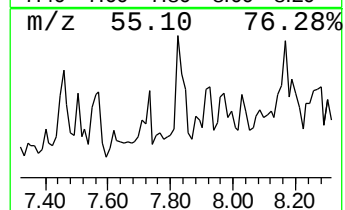
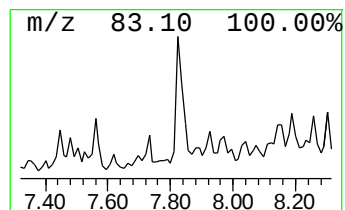
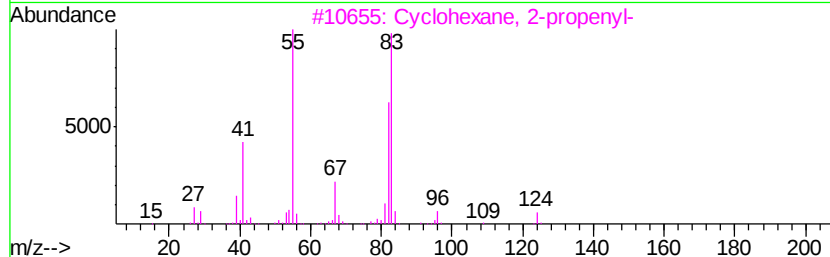
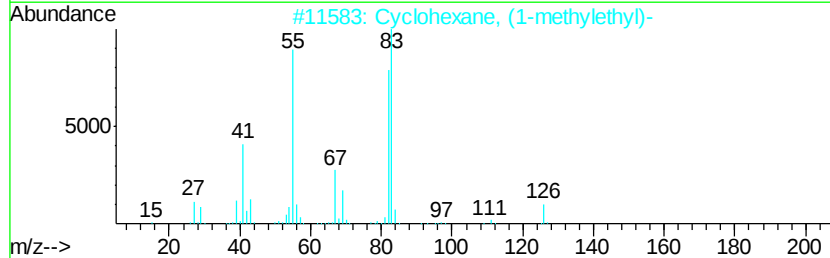
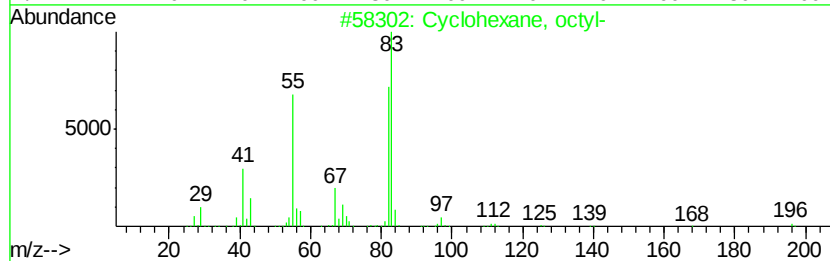
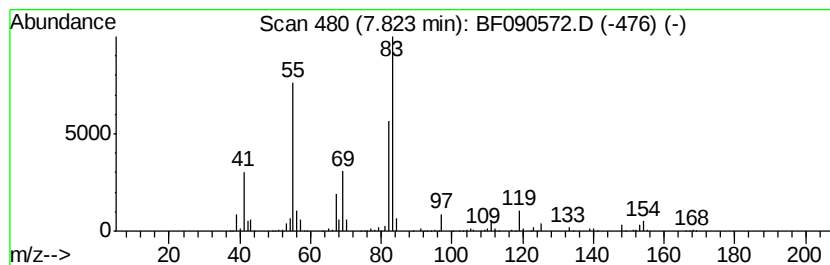
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, octyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	17.86 ng	2874370	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
3		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
4		Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
5		3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

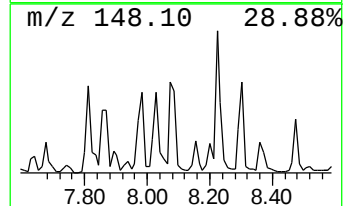
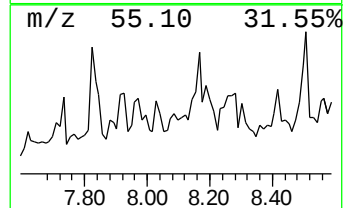
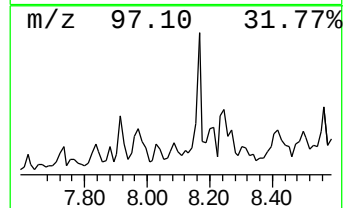
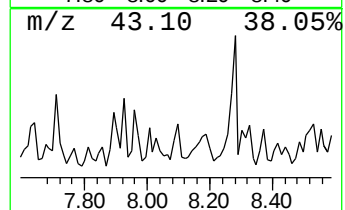
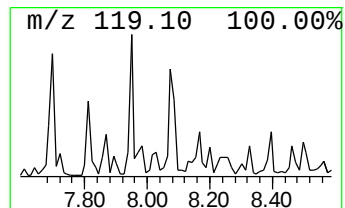
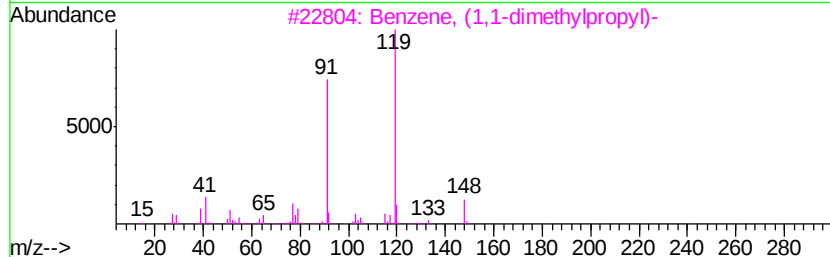
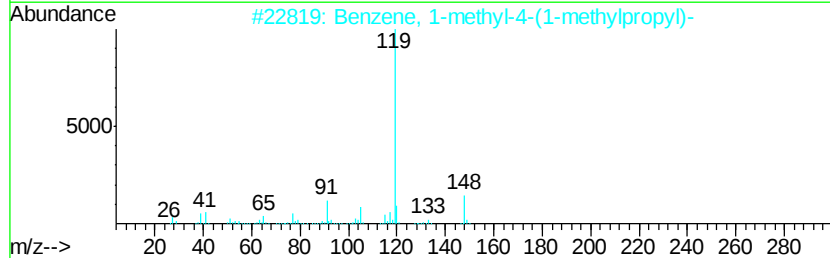
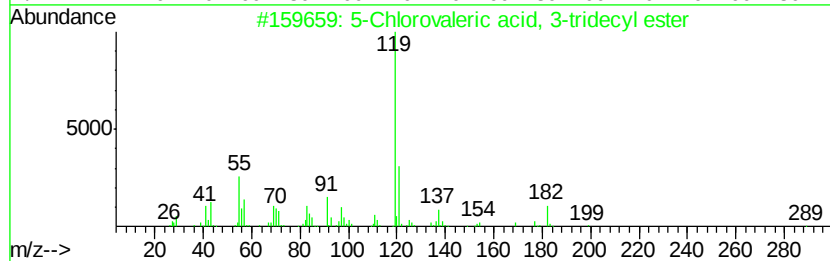
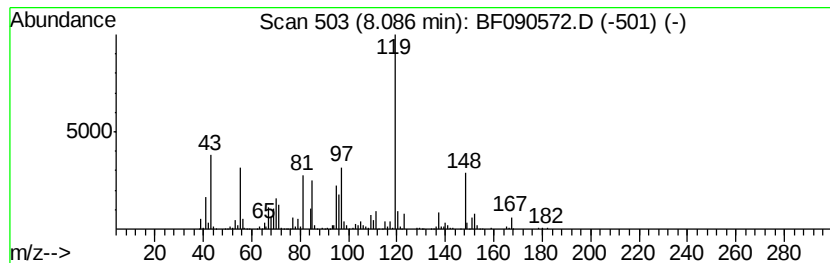
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown8.09 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	14.18 ng	2282170	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Chlorovaleric acid, 3-tridecyl...	318	C18H35ClO2	1000299-91-3	47
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
4		p-Toluic acid, 5-tridecyl ester	318	C21H34O2	1000299-80-5	37
5		Succinic acid, monochloride 2-me...	220	C10H17ClO3	1000349-40-1	37



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

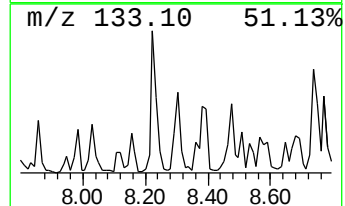
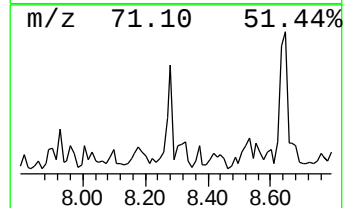
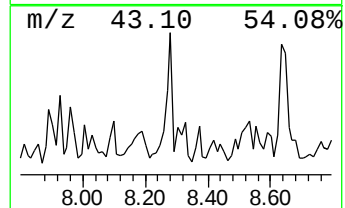
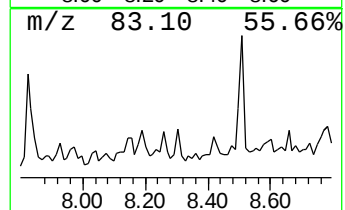
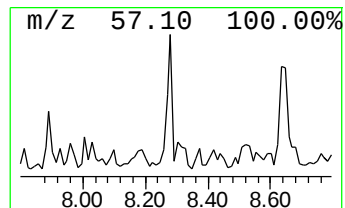
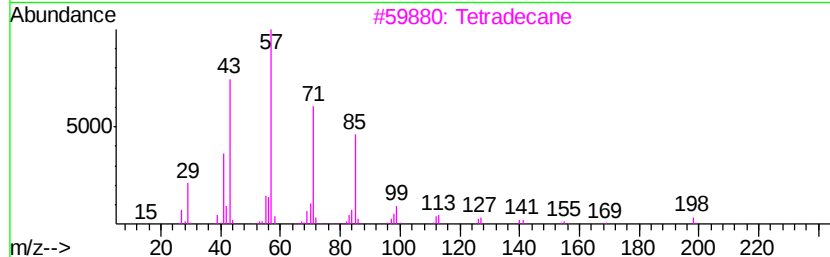
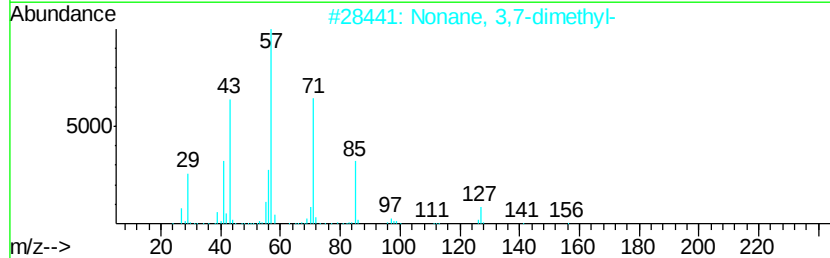
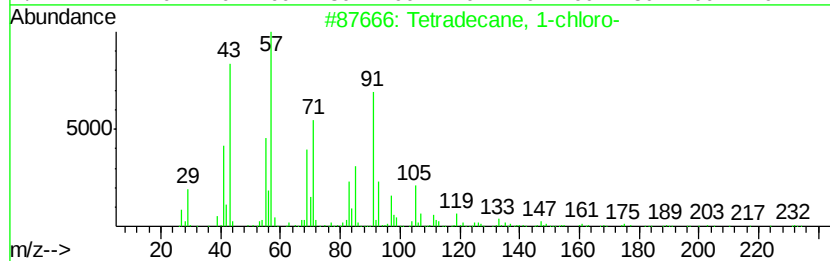
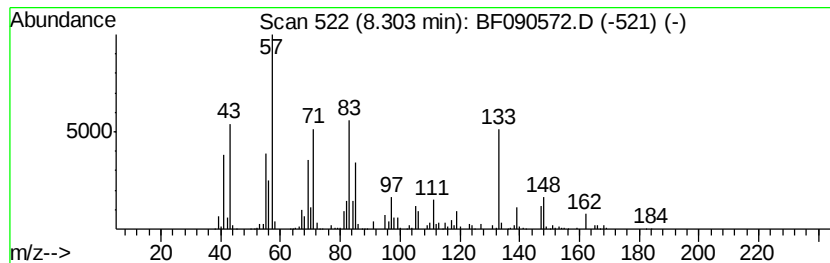
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown8.30 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	15.44 ng	2485990	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	22
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	20
3		Tetradecane	198	C14H30	000629-59-4	18
4		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	18
5		Undecane	156	C11H24	001120-21-4	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

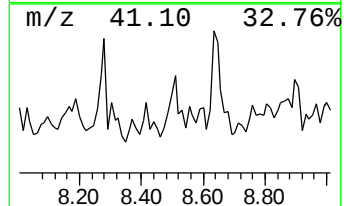
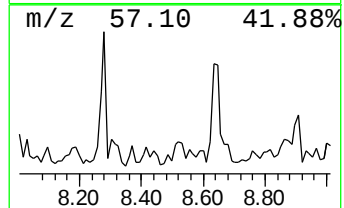
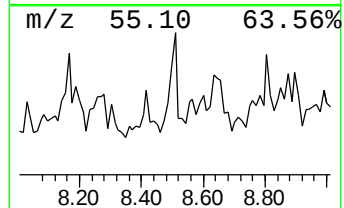
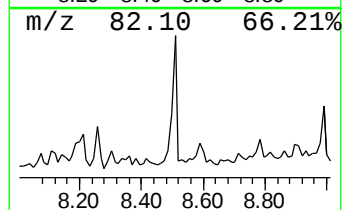
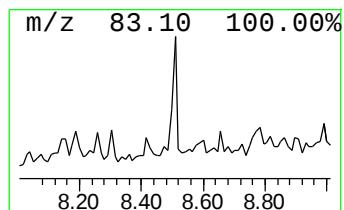
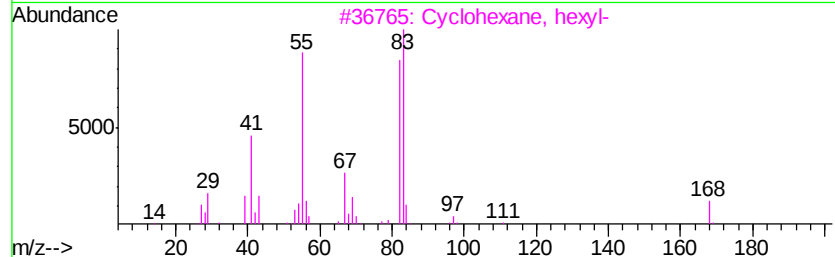
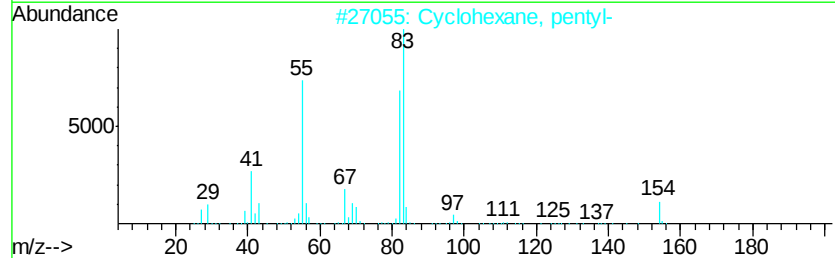
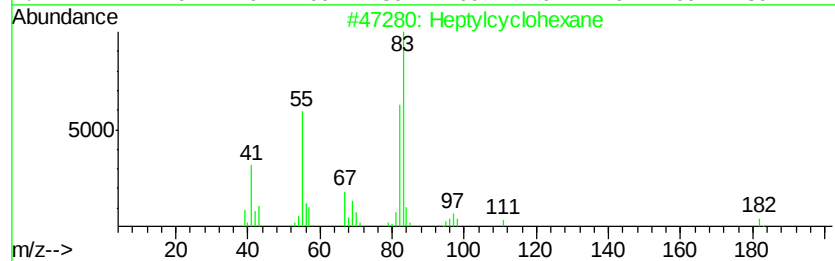
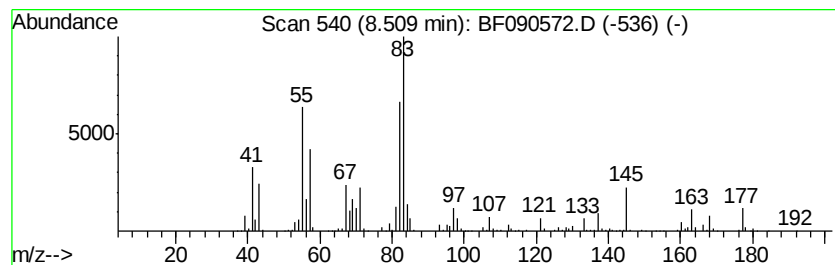
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptylcyclohexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.51	31.75 ng	5110280	Napthalene-d8	8.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	58
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	50
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

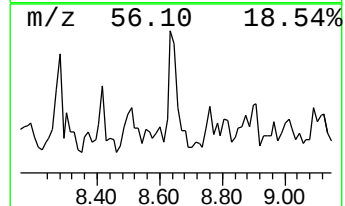
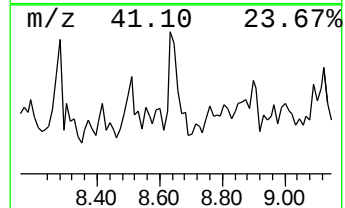
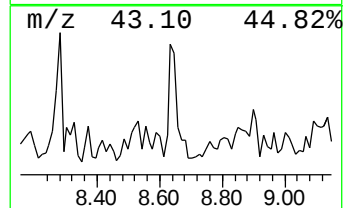
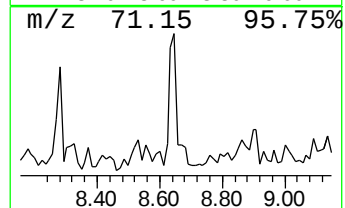
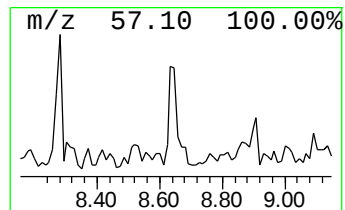
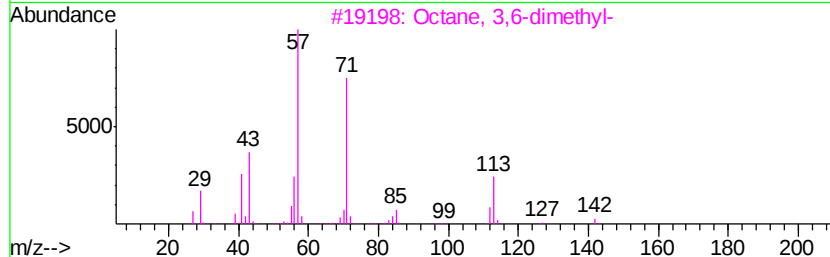
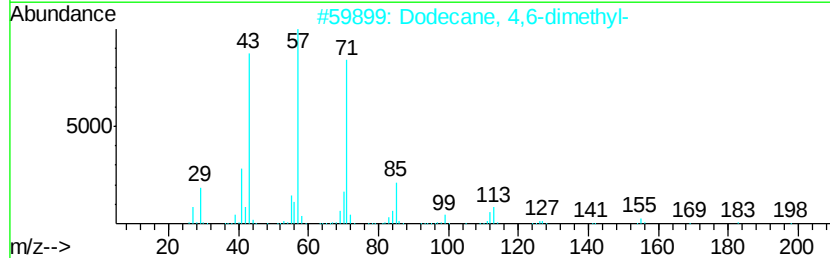
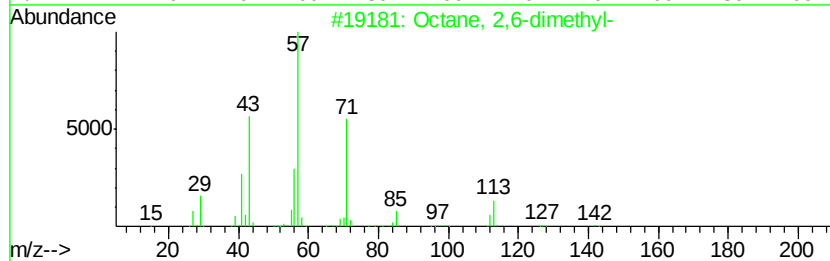
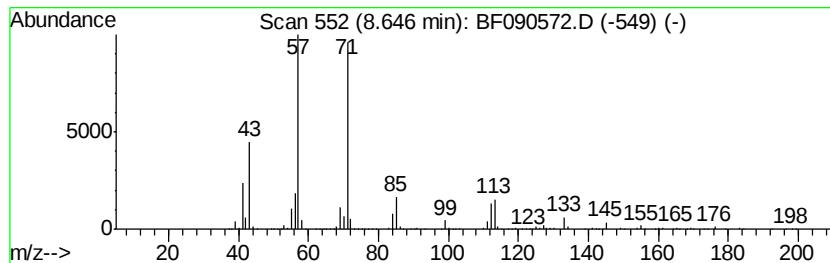
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.65	39.52 ng	6361120	Napthalene-d8	8.21		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	80
2	Dodecane, 4,6-dimethyl-		198	C14H30	061141-72-8	64
3	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	64
4	Tridecane, 7-methyl-		198	C14H30	026730-14-3	59
5	Oxalic acid, 2-ethylhexyl octyl ...		314	C18H34O4	1000309-39-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

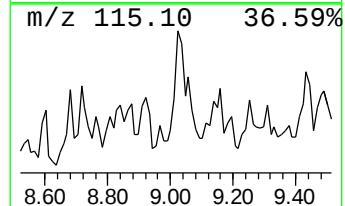
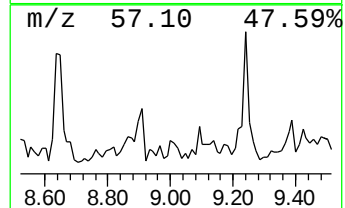
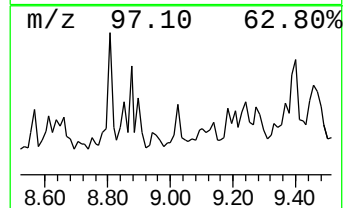
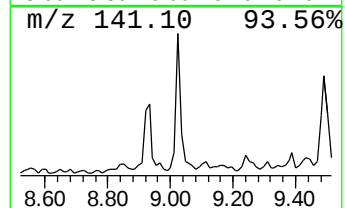
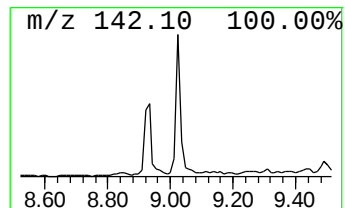
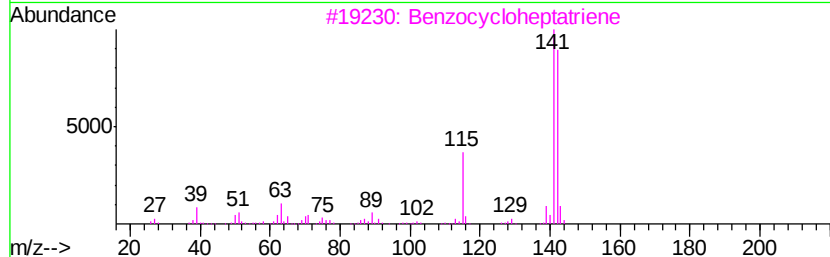
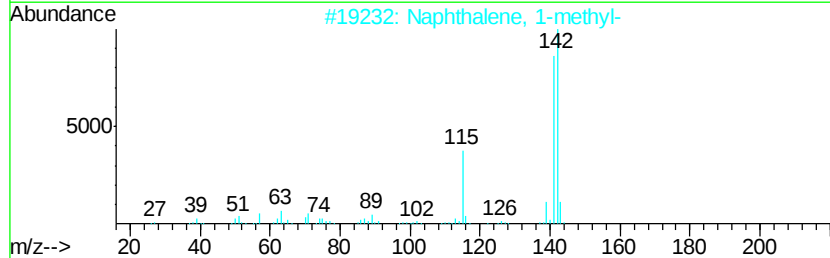
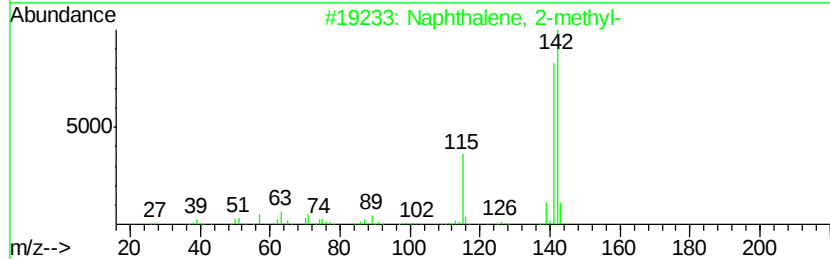
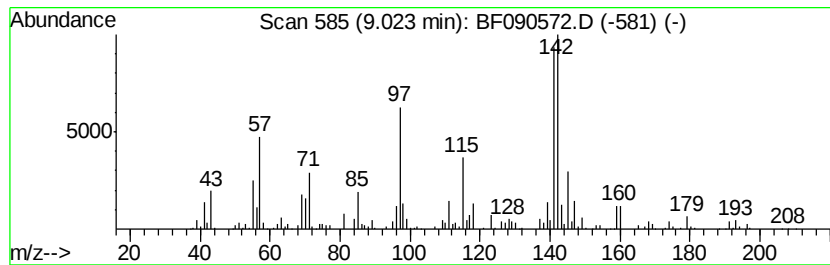
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	33.26 ng	5354580	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3		Benzocycloheptatriene	142	C11H10	000264-09-5	78
4		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	60
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

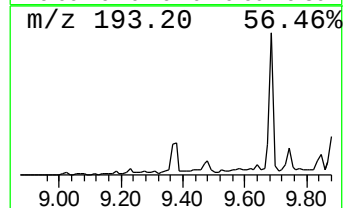
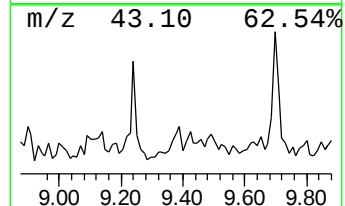
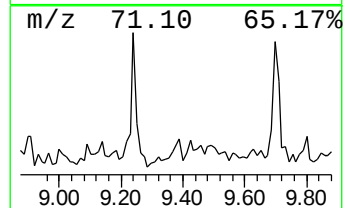
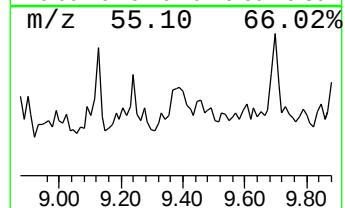
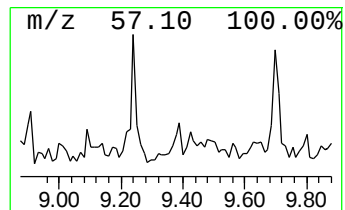
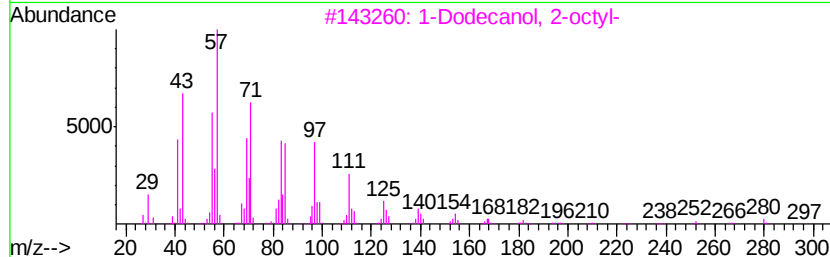
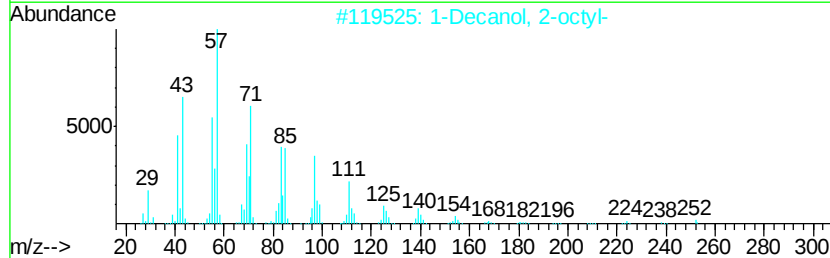
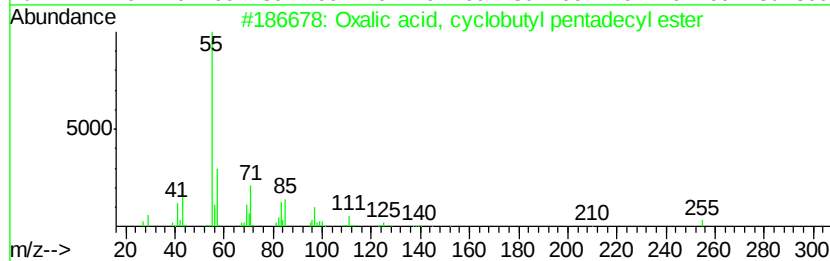
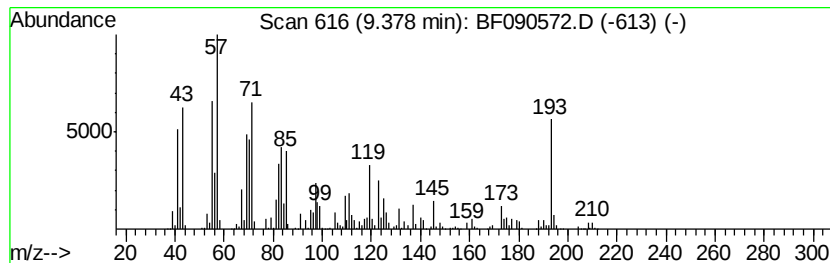
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown9.38 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.38	19.72 ng	3749740	Acenaphthene-d10	9.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	46
2	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	45
3	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	43
4	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	43
5	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

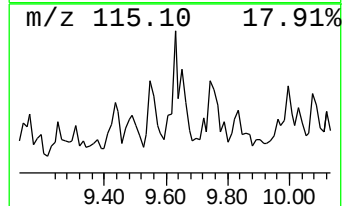
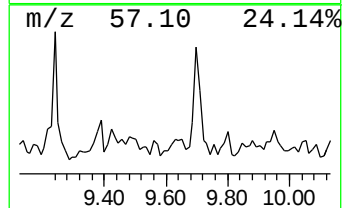
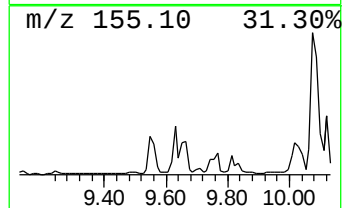
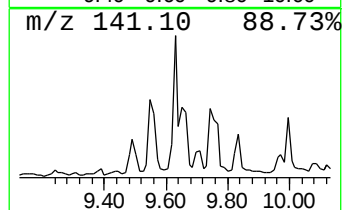
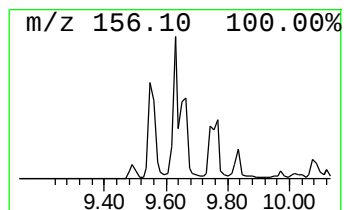
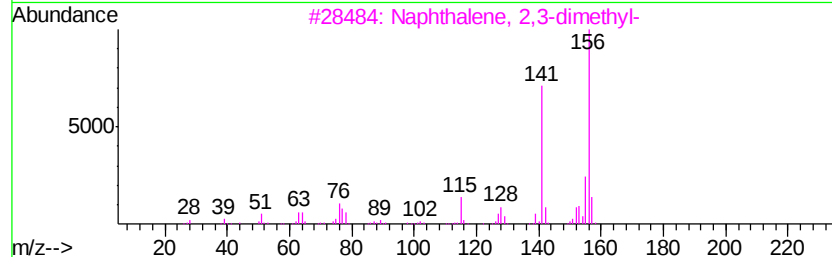
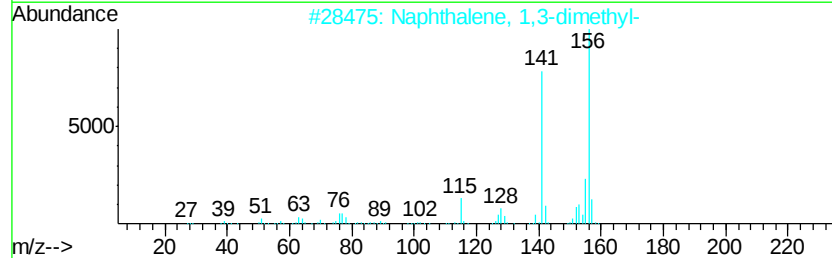
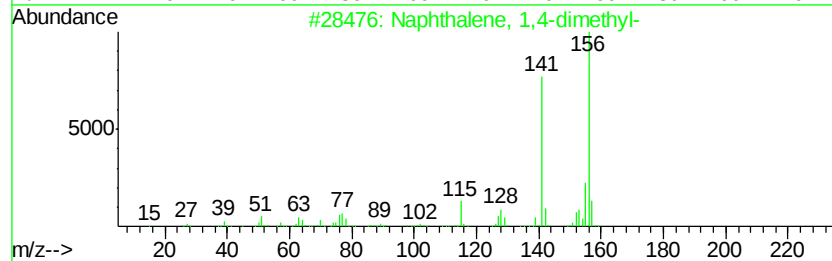
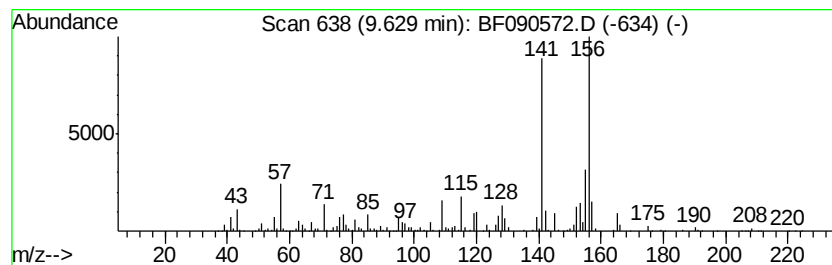
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	20.44 ng	3886540	Acenaphthene-d10	9.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

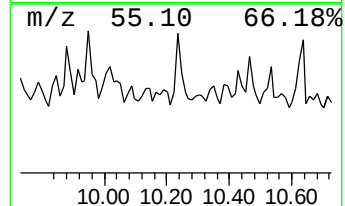
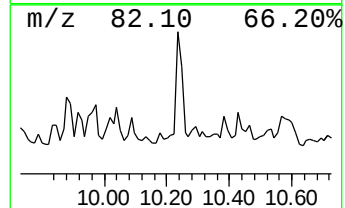
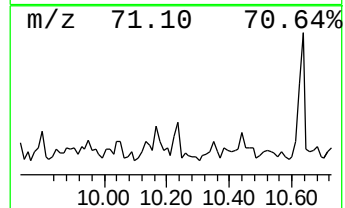
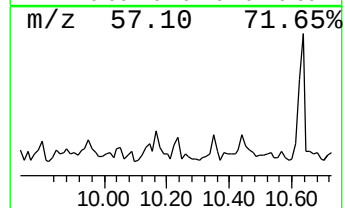
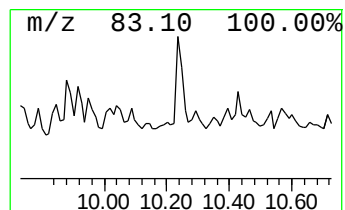
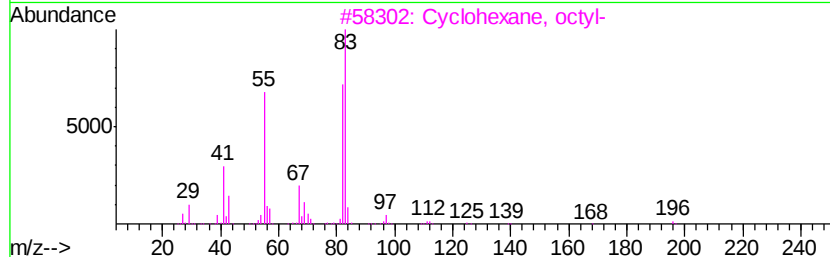
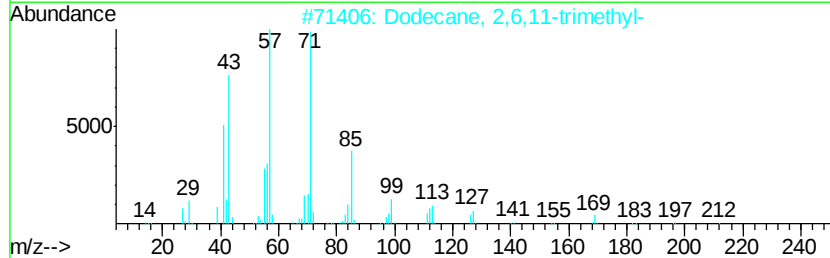
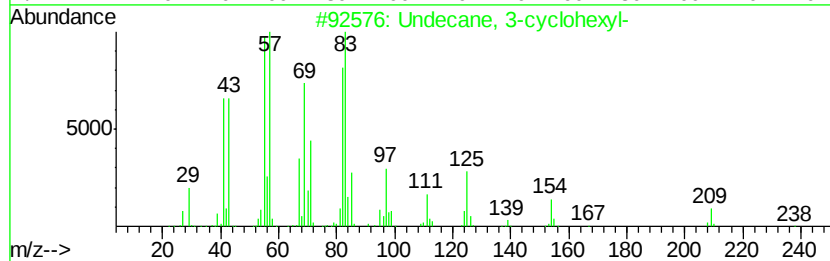
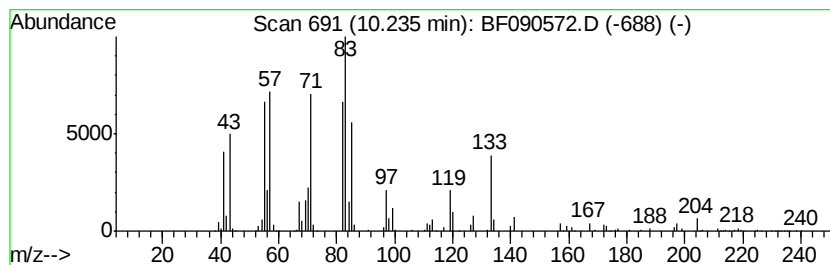
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown10.23 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	23.59 ng	4486040	Acenaphthene-d10	9.97
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 3-cyclohexyl-	238 C17H34	013151-78-5	49
2	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	44
3	Cyclohexane, octyl-	196 C14H28	001795-15-9	38
4	Cyclohexane, undecyl-	238 C17H34	054105-66-7	35
5	Cyclohexane, (4-methylpentyl)-	168 C12H24	061142-20-9	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

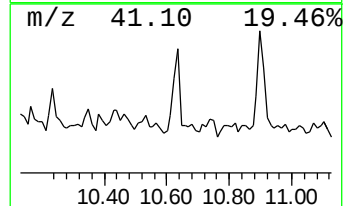
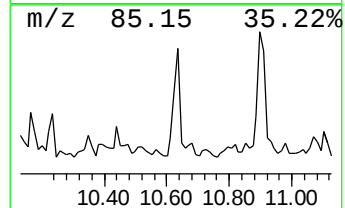
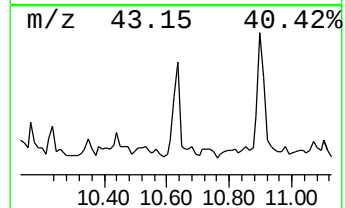
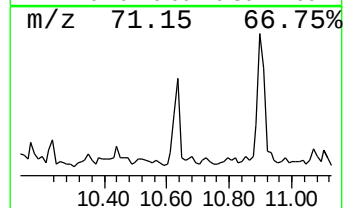
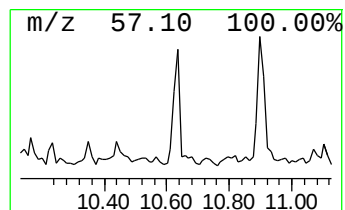
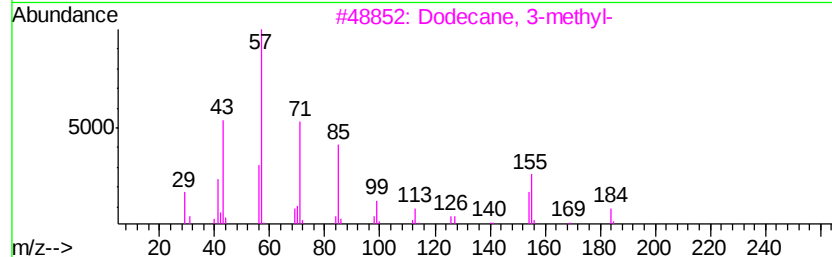
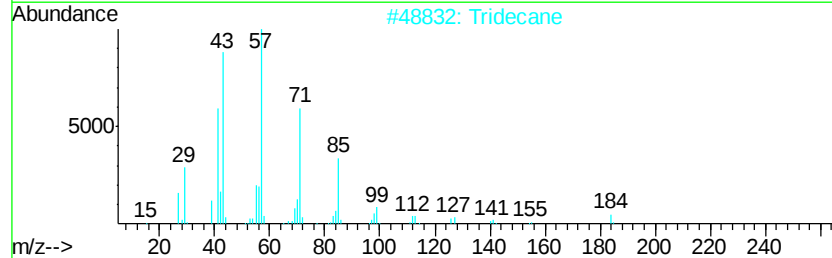
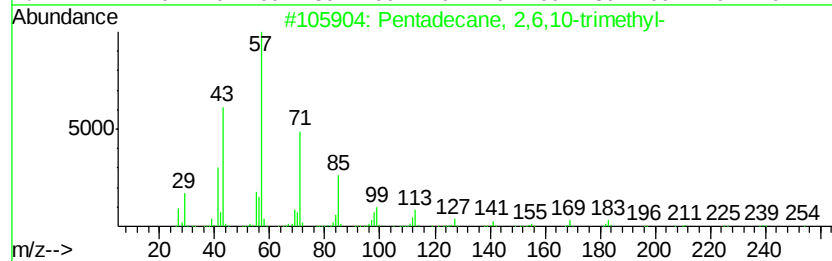
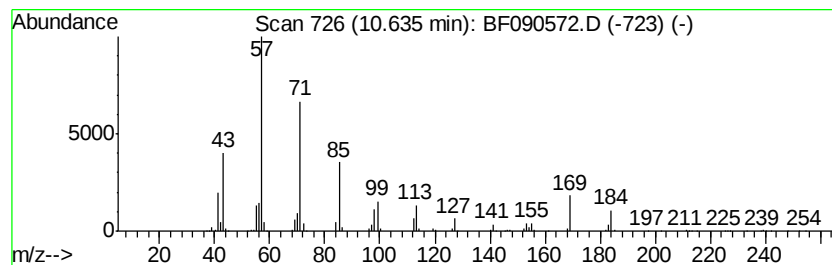
Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	28.54 ng	5427340	Acenaphthene-d10	9.97
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentadecane, 2,6,10-trimethyl-	254 C18H38	003892-00-0 81
2		Tridecane	184 C13H28	000629-50-5 74
3		Dodecane, 3-methyl-	184 C13H28	017312-57-1 72
4		2-Bromo dodecane	248 C12H25Br	013187-99-0 72
5		Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6 64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

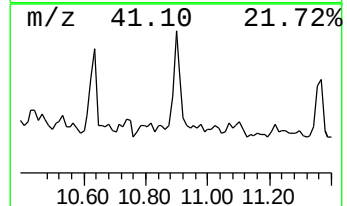
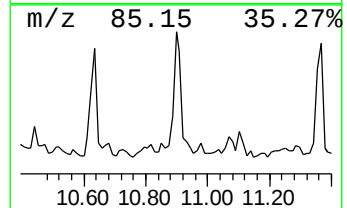
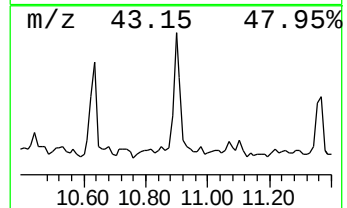
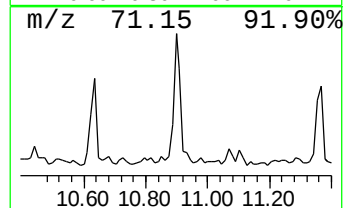
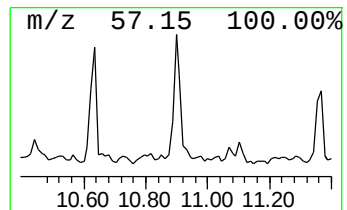
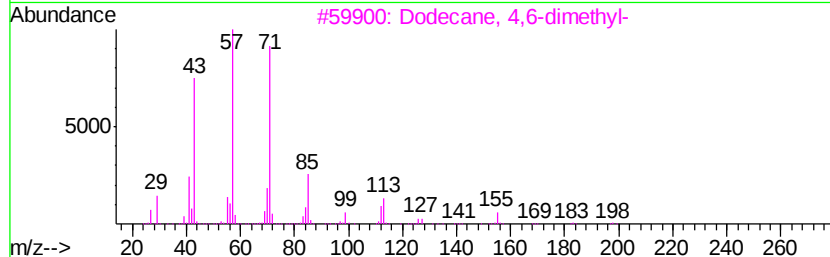
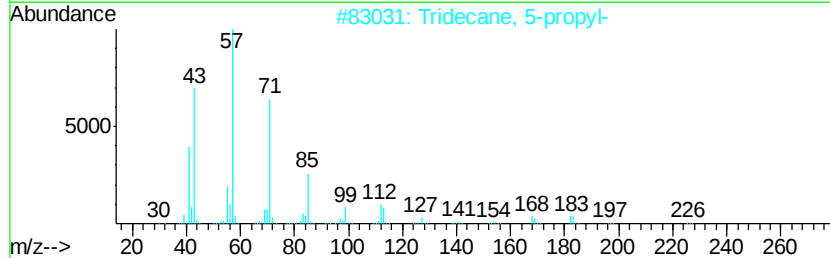
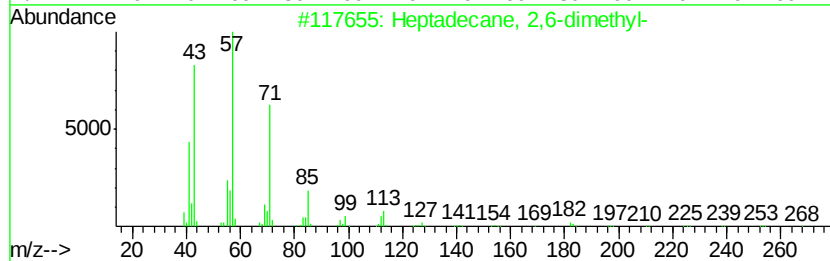
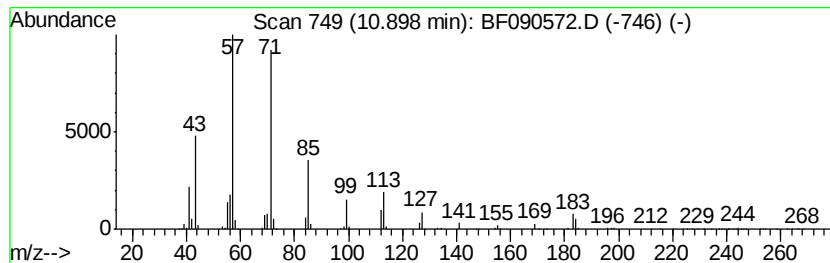
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heptadecane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	27.90 ng	8418400	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	87
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
3		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

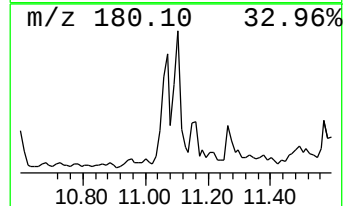
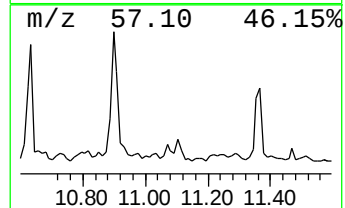
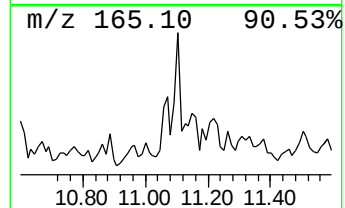
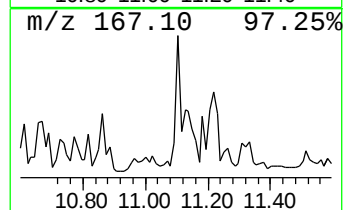
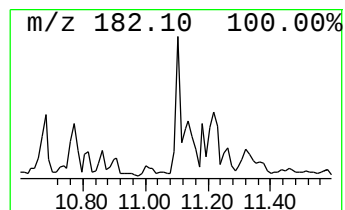
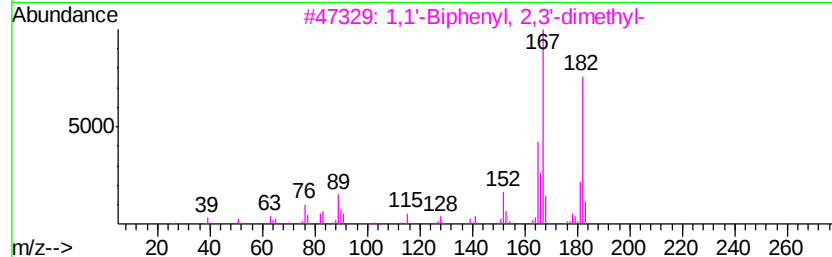
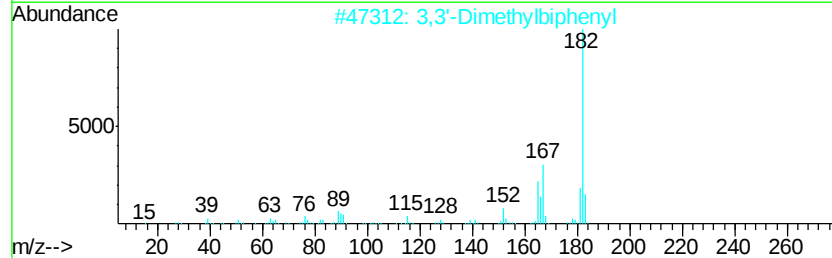
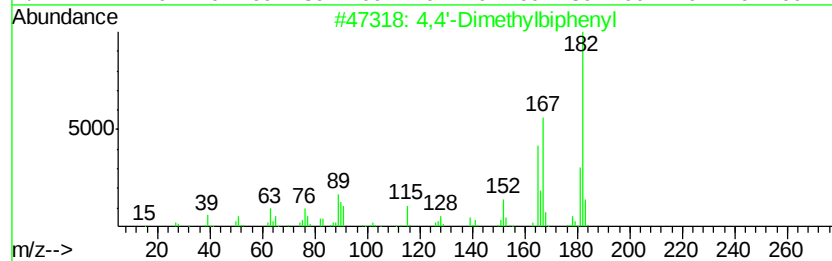
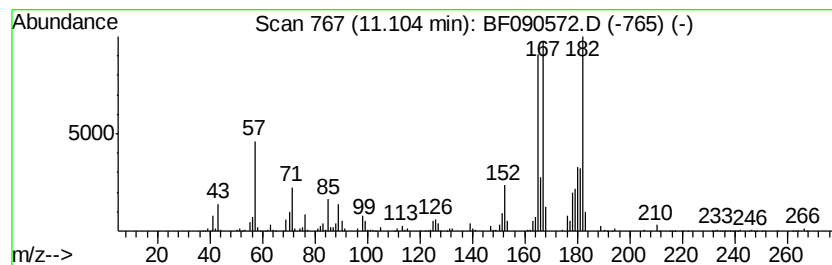
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4,4'-Dimethylbiphenyl Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	16.81 ng	5071700	Phenanthrene-d10	11.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	62
2			3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	58
3			1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	58
4			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	53
5			2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

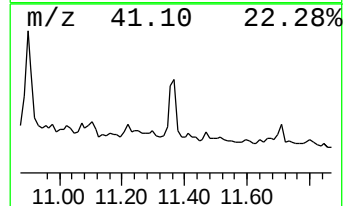
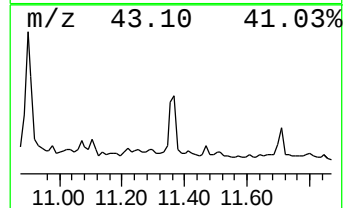
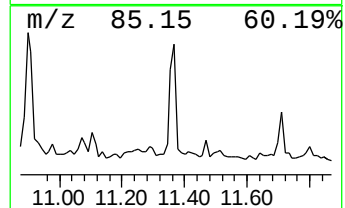
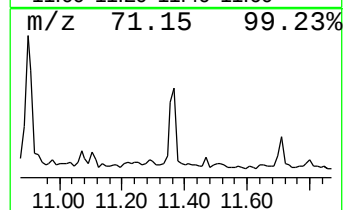
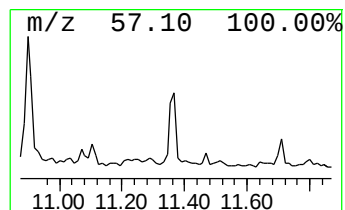
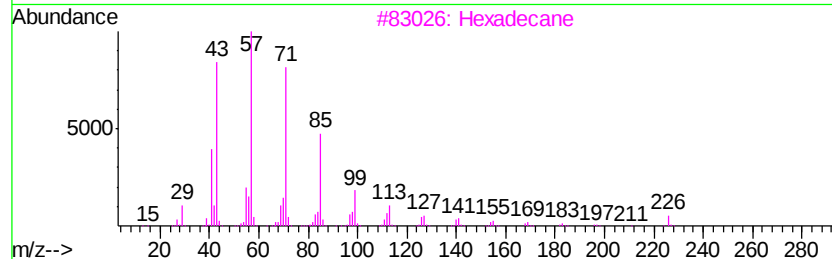
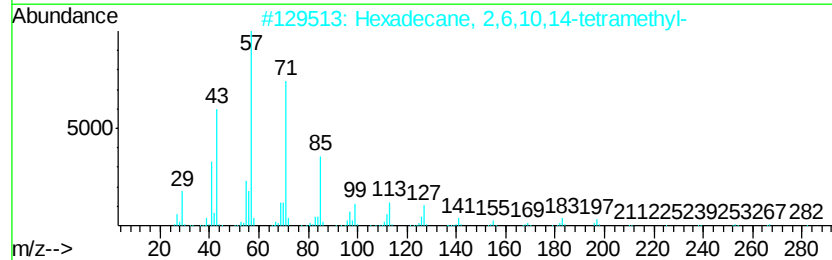
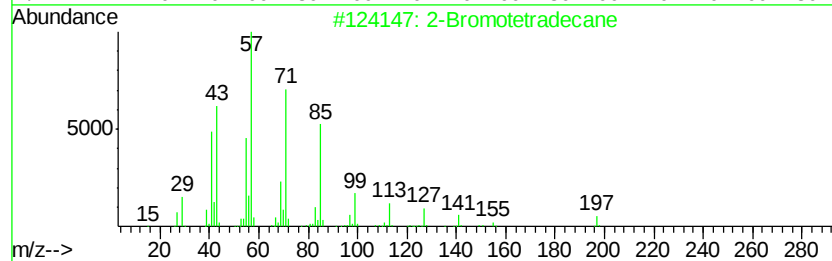
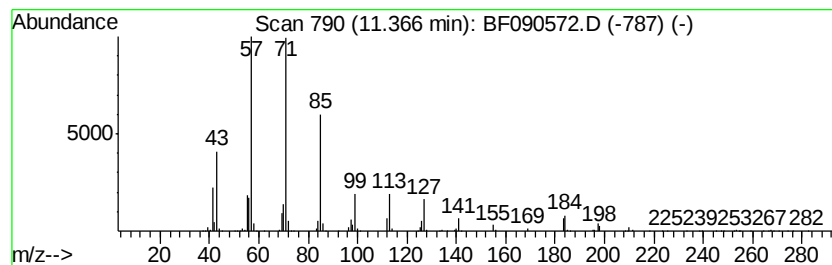
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2-Bromotetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	18.91 ng	5704720	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromotetradecane	276	C14H29Br	074036-95-6	80
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3		Hexadecane	226	C16H34	000544-76-3	80
4		Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	64
5		Tetradecane	198	C14H30	000629-59-4	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

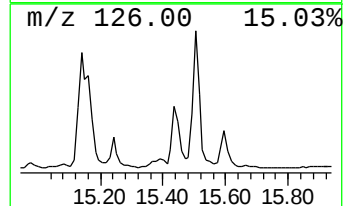
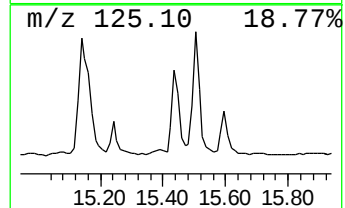
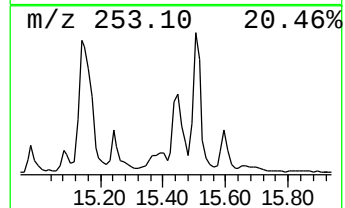
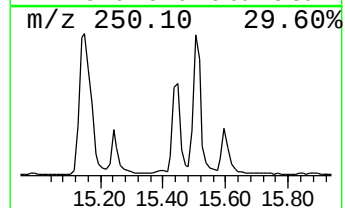
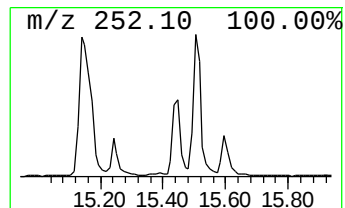
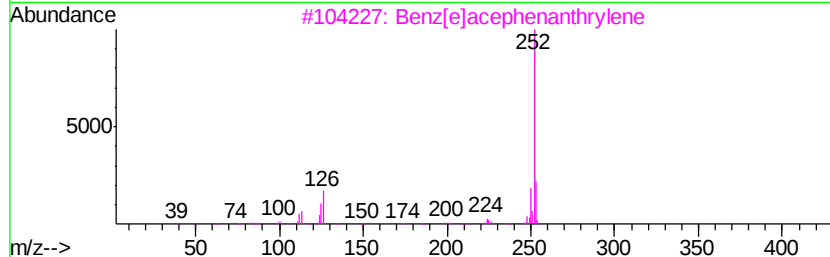
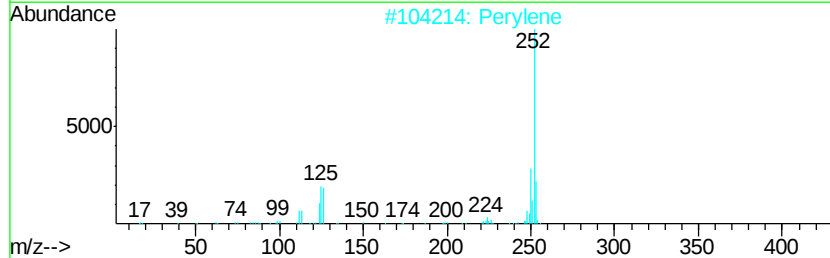
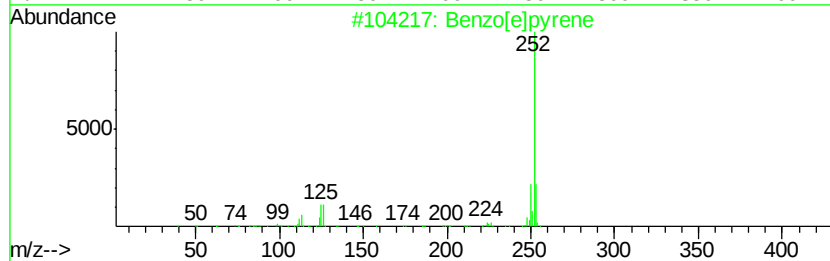
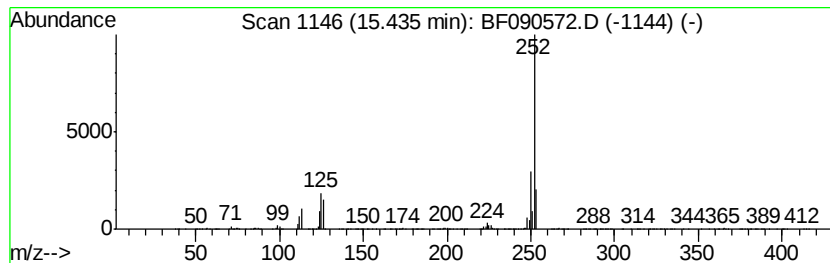
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	32.34 ng	1796710	Perylene-d12	15.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Perylene	252	C20H12	000198-55-0	98
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
4			Benzo[a]pyrene	252	C20H12	000050-32-8	95
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

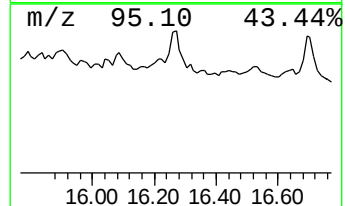
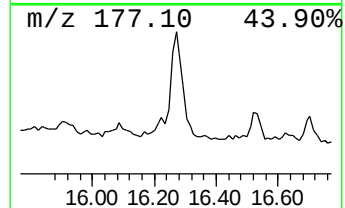
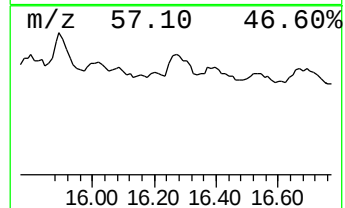
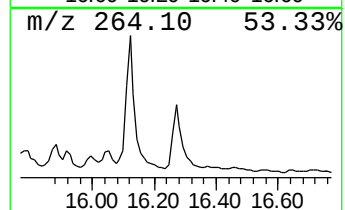
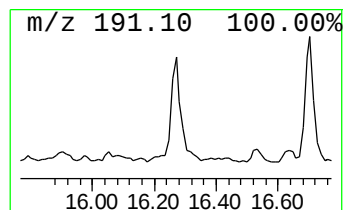
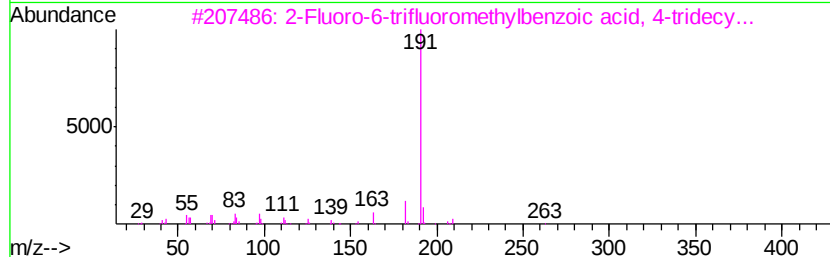
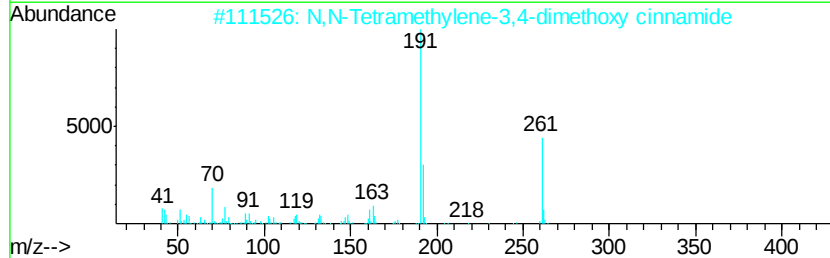
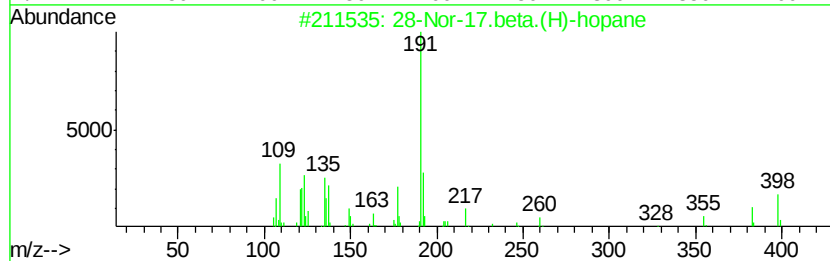
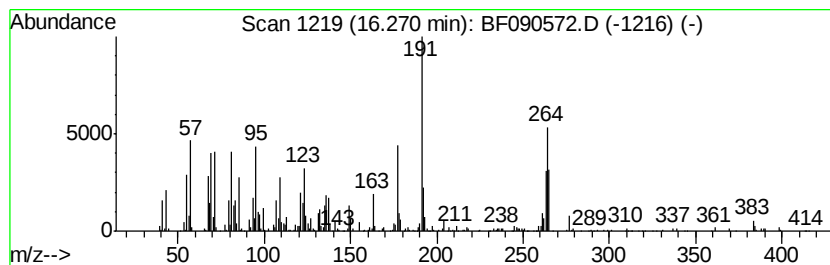
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.27 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	16.16 ng	897850	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	35
2		N,N-Tetramethylene-3,4-dimethoxy...	261	C15H19NO3	327079-67-4	22
3		2-Fluoro-6-trifluoromethylbenzoi...	390	C21H30F4O2	1000338-53-2	14
4		Phenol, 2-(1,1-dimethylethyl)-4-...	262	C18H30O	005806-73-5	14
5		2-Fluoro-3-trifluoromethylbenzoi...	390	C21H30F4O2	1000338-51-6	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

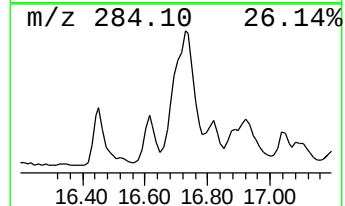
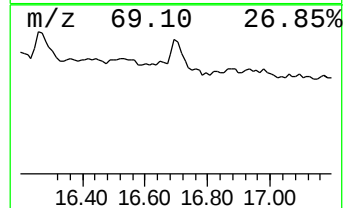
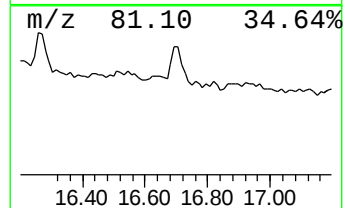
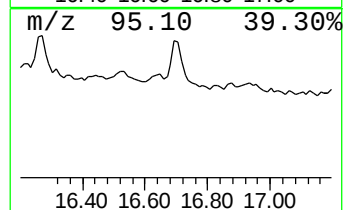
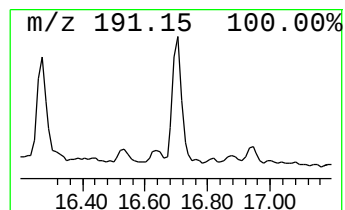
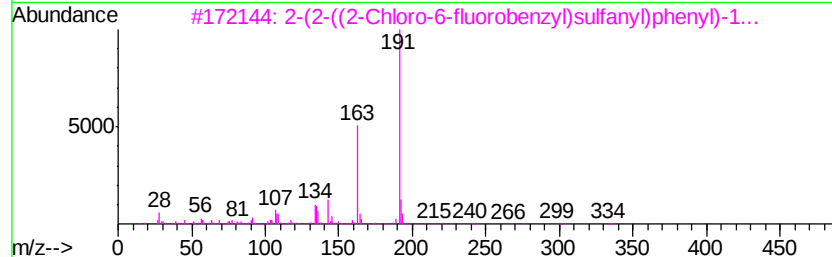
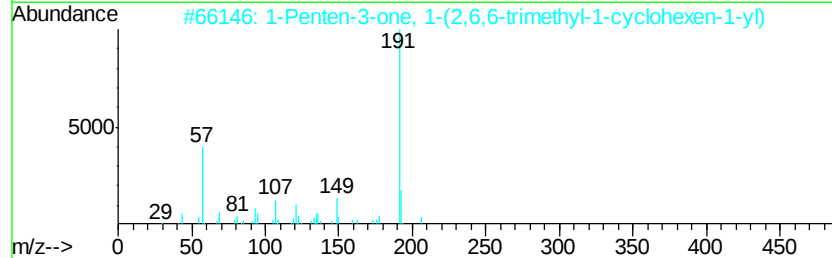
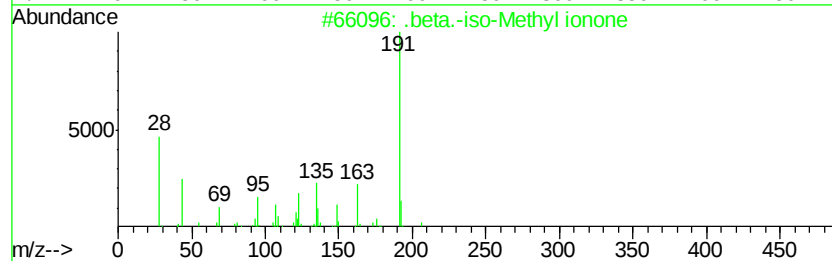
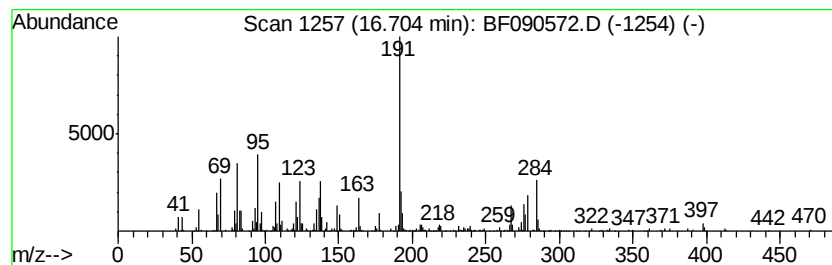
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown16.70 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	18.38 ng	1021040	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	49
2		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	41
3		2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	27
4		Pyrrodo[3,2-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	024410-25-1	22
5		5-Fluoro-2-trifluoromethylbenzoi...	376	C20H28F4O2	1000338-54-8	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
 Data File : BF090572.D
 Acq On : 14 Oct 2016 16:33
 Operator : UM/SJ
 Sample : H5192-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.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
unknown6.68	6.68	30.0	ng	4639770	1	6.92	3094230	20.0
unknown7.19	7.19	13.7	ng	2111170	1	6.92	3094230	20.0
Hexane, 3,3-dimet...	7.71	17.8	ng	2859090	2	8.21	3219430	20.0
Cyclohexane, octyl-	7.82	17.9	ng	2874370	2	8.21	3219430	20.0
unknown8.09	8.09	14.2	ng	2282170	2	8.21	3219430	20.0
unknown8.30	8.30	15.4	ng	2485990	2	8.21	3219430	20.0
Heptylcyclohexane	8.51	31.8	ng	5110280	2	8.21	3219430	20.0
Octane, 2,6-dimet...	8.65	39.5	ng	6361120	2	8.21	3219430	20.0
Naphthalene, 1-me...	9.02	33.3	ng	5354580	2	8.21	3219430	20.0
unknown9.38	9.38	19.7	ng	3749740	3	9.97	3803050	20.0
Naphthalene, 1,4-...	9.63	20.4	ng	3886540	3	9.97	3803050	20.0
unknown10.23	10.23	23.6	ng	4486040	3	9.97	3803050	20.0
Pentadecane, 2,6,...	10.63	28.5	ng	5427340	3	9.97	3803050	20.0
Heptadecane, 2,6-...	10.90	27.9	ng	8418400	4	11.46	6034070	20.0
4,4'-Dimethylbiph...	11.10	16.8	ng	5071700	4	11.46	6034070	20.0
2-Bromotetradecane	11.37	18.9	ng	5704720	4	11.46	6034070	20.0
Benzo[e]pyrene	15.44	32.3	ng	1796710	6	15.57	1111170	20.0
unknown16.27	16.27	16.2	ng	897850	6	15.57	1111170	20.0
unknown16.70	16.70	18.4	ng	1021040	6	15.57	1111170	20.0