

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
 Data File : BG022265.D
 Acq On : 9 Jun 2016 12:34
 Operator : UM/SJ
 Sample : H3457-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MPB-E-3-SOIL

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_G\METHODS\8270-BG060616.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	2.984	18	25	42	rVB	377659	601563	32.46%	1.411%
2	5.663	474	481	499	rBV	381340	735089	39.66%	1.724%
3	7.279	745	756	773	rBV	429945	890248	48.04%	2.088%
4	7.649	811	819	826	rBV	471100	909041	49.05%	2.132%
5	7.713	826	830	836	rVB	37814	59944	3.23%	0.141%
6	8.072	885	891	894	rVV2	33046	64959	3.51%	0.152%
7	8.113	894	898	912	rVB	117819	262643	14.17%	0.616%
8	8.225	912	917	923	rBV2	26877	61355	3.31%	0.144%
9	8.442	947	954	965	rVB	368688	705973	38.09%	1.656%
10	8.624	976	985	986	rBV3	29632	62928	3.40%	0.148%
11	8.659	987	991	1000	rVB3	51815	139825	7.54%	0.328%
12	8.753	1000	1007	1013	rBV2	85268	172699	9.32%	0.405%
13	8.865	1020	1026	1030	rBV4	34251	67766	3.66%	0.159%
14	9.071	1055	1061	1064	rBV3	29271	55640	3.00%	0.130%
15	9.118	1064	1069	1075	rVB	42349	86309	4.66%	0.202%
16	9.218	1075	1086	1092	rBV2	118361	278678	15.04%	0.654%
17	9.288	1092	1098	1102	rVV	270055	587482	31.70%	1.378%
18	9.323	1102	1104	1112	rVB	207230	319979	17.27%	0.750%
19	9.464	1116	1128	1136	rBV6	78430	233142	12.58%	0.547%
20	9.564	1136	1145	1152	rBV7	50972	175237	9.46%	0.411%
21	9.746	1170	1176	1181	rVV2	89587	165446	8.93%	0.388%
22	9.805	1181	1186	1190	rVV	104057	203356	10.97%	0.477%
23	9.840	1190	1192	1202	rVB3	74224	140417	7.58%	0.329%
24	10.005	1210	1220	1222	rBV5	50869	124973	6.74%	0.293%
25	10.046	1222	1227	1232	rVV3	79095	147535	7.96%	0.346%
26	10.111	1232	1238	1244	rVV3	104397	235961	12.73%	0.553%
27	10.175	1244	1249	1257	rVB4	90102	211420	11.41%	0.496%
28	10.263	1257	1264	1269	rBV2	63666	161905	8.74%	0.380%
29	10.328	1269	1275	1280	rVV2	212967	391013	21.10%	0.917%
30	10.381	1281	1284	1289	rVB2	70657	108378	5.85%	0.254%
31	10.434	1289	1293	1297	rBV	43575	60470	3.26%	0.142%
32	10.498	1297	1304	1309	rVB3	65327	149514	8.07%	0.351%
33	10.563	1309	1315	1320	rVB	139024	244383	13.19%	0.573%
34	10.622	1320	1325	1332	rVB	79977	173688	9.37%	0.407%

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35	10.704	1333	1339	1344	rBV4	49262	114355	6.17%	0.268%
36	10.810	1348	1357	1360	rBV6	57563	146990	7.93%	0.345%
37	10.880	1363	1369	1375	rBV2	391135	800261	43.18%	1.877%
38	10.939	1376	1379	1385	rVB2	127317	196220	10.59%	0.460%
39	11.063	1392	1400	1407	rVB2	193314	519449	28.03%	1.218%
40	11.139	1407	1413	1419	rBV2	92892	199080	10.74%	0.467%
41	11.298	1431	1440	1442	rBV8	44360	107763	5.81%	0.253%
42	11.339	1443	1447	1452	rVV3	63493	137640	7.43%	0.323%
43	11.397	1452	1457	1465	rVB	187792	396342	21.39%	0.930%
44	11.521	1471	1478	1484	rBV7	71144	175940	9.49%	0.413%
45	11.621	1484	1495	1501	rBV7	154684	502871	27.13%	1.179%
46	11.750	1512	1517	1525	rVB5	101781	231257	12.48%	0.542%
47	11.832	1525	1531	1538	rBV3	167901	428720	23.13%	1.005%
48	11.926	1542	1547	1551	rVV	184174	314513	16.97%	0.738%
49	11.973	1551	1555	1560	rVV2	77127	129905	7.01%	0.305%
50	12.032	1560	1565	1570	rVB	91455	164202	8.86%	0.385%
51	12.114	1573	1579	1585	rBV2	398921	758330	40.92%	1.779%
52	12.320	1607	1614	1621	rBV3	614065	1157284	62.45%	2.714%
53	12.467	1635	1639	1644	rVB3	174247	302814	16.34%	0.710%
54	12.537	1648	1651	1656	rVV4	109413	169845	9.16%	0.398%
55	12.584	1656	1659	1666	rVB3	60328	102508	5.53%	0.240%
56	12.825	1694	1700	1706	rBV2	382980	700994	37.83%	1.644%
57	12.949	1717	1721	1725	rBV5	83699	144637	7.80%	0.339%
58	13.090	1741	1745	1748	rBV5	69529	142821	7.71%	0.335%
59	13.131	1748	1752	1757	rVB3	179990	315341	17.02%	0.740%
60	13.213	1762	1766	1768	rBV2	83881	116908	6.31%	0.274%
61	13.260	1769	1774	1778	rBV3	177968	309744	16.71%	0.726%
62	13.372	1787	1793	1802	rVB	741807	1252088	67.56%	2.937%
63	13.448	1804	1806	1812	rVB5	95393	144193	7.78%	0.338%
64	13.548	1816	1823	1832	rBV	732482	1342465	72.44%	3.148%
65	13.689	1842	1847	1852	rVB	244573	389403	21.01%	0.913%
66	13.900	1880	1883	1886	rBV3	96996	139346	7.52%	0.327%
67	14.030	1899	1905	1908	rBV5	127602	298458	16.10%	0.700%
68	14.071	1908	1912	1916	rVV2	241094	482951	26.06%	1.133%
69	14.118	1916	1920	1925	rVV3	258275	444521	23.99%	1.043%
70	14.200	1925	1934	1938	rVV4	509597	1218697	65.76%	2.858%
71	14.253	1938	1943	1948	rVV3	277649	550304	29.69%	1.291%

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72	14.318	1949	1954	1960	rVB3	287881	517631	27.93%	1.214%
73	14.470	1977	1980	1981	rBV2	58642	62431	3.37%	0.146%
74	14.617	2000	2005	2013	rVB	847970	1272272	68.65%	2.984%
75	14.746	2015	2027	2033	rVV6	314104	835793	45.10%	1.960%
76	14.952	2058	2062	2068	rVB2	133310	232396	12.54%	0.545%
77	15.064	2077	2081	2085	rBV5	97130	213658	11.53%	0.501%
78	15.228	2103	2109	2117	rBV7	211438	578220	31.20%	1.356%
79	15.363	2126	2132	2135	rBV4	174457	397963	21.47%	0.933%
80	15.563	2162	2166	2172	rVB	858533	1265842	68.30%	2.969%
81	15.969	2229	2235	2240	rBV	288247	535379	28.89%	1.256%
82	16.063	2248	2251	2256	rVB5	143433	219739	11.86%	0.515%
83	16.186	2269	2272	2276	rVB3	123659	160451	8.66%	0.376%
84	16.239	2276	2281	2286	rBV	435640	698405	37.69%	1.638%
85	16.427	2308	2313	2322	rBV	881581	1853253	100.00%	4.346%
86	16.762	2368	2370	2374	rBV	86312	104106	5.62%	0.244%
87	17.214	2443	2447	2452	rBV	690794	954093	51.48%	2.238%
88	17.267	2452	2456	2461	rVB	312507	456180	24.62%	1.070%
89	17.490	2490	2494	2499	rBV	287885	485858	26.22%	1.139%
90	17.954	2568	2573	2579	rVB	687554	1002060	54.07%	2.350%
91	18.642	2685	2690	2695	rVB	544007	723293	39.03%	1.696%
92	19.265	2791	2796	2798	rBV2	784072	1168591	63.06%	2.741%
93	19.288	2798	2800	2814	rVB	1095854	1519811	82.01%	3.564%
94	19.835	2889	2893	2899	rVB	310724	423104	22.83%	0.992%
95	20.087	2930	2936	2942	rVB	934817	1392363	75.13%	3.266%
96	20.363	2979	2983	2988	rBV	217137	276440	14.92%	0.648%
97	20.857	3064	3067	3071	rVB	93635	115204	6.22%	0.270%
98	21.374	3151	3155	3159	rVB2	45715	59964	3.24%	0.141%
99	21.768	3215	3222	3235	rVB	287413	605740	32.69%	1.421%
100	25.064	3774	3783	3798	rVB2	144940	469924	25.36%	1.102%

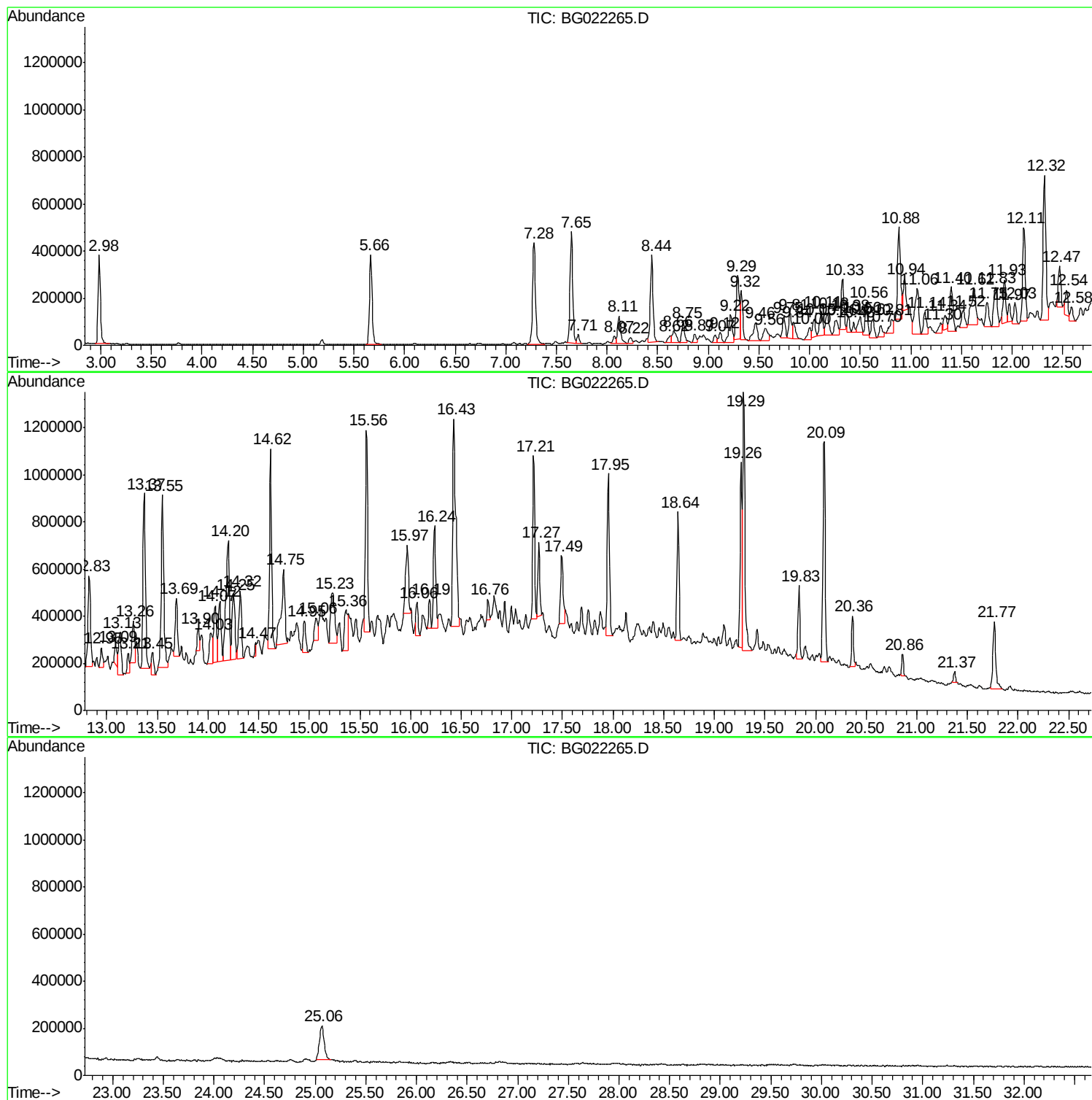
Sum of corrected areas: 42638283

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Instrument :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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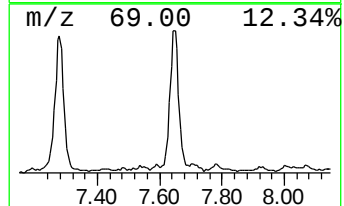
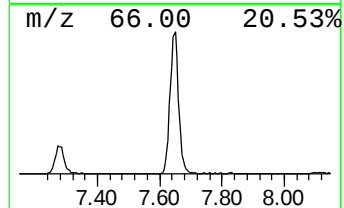
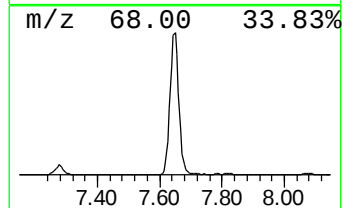
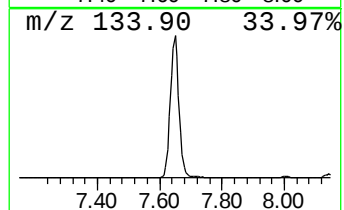
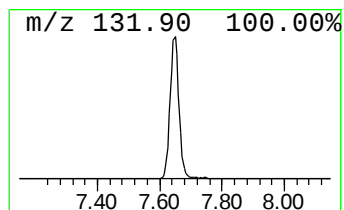
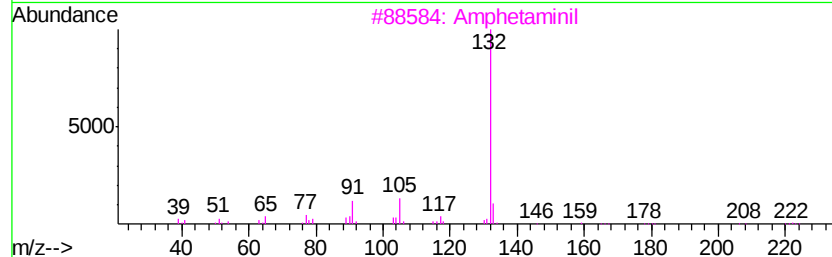
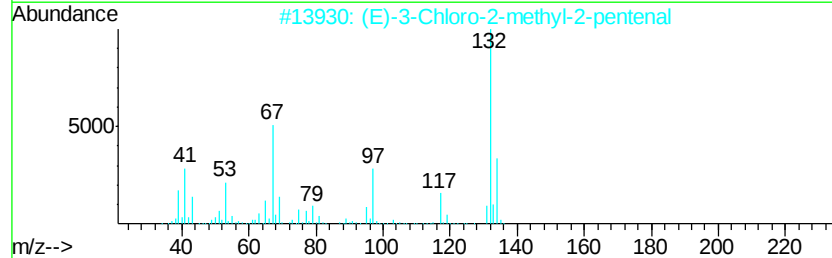
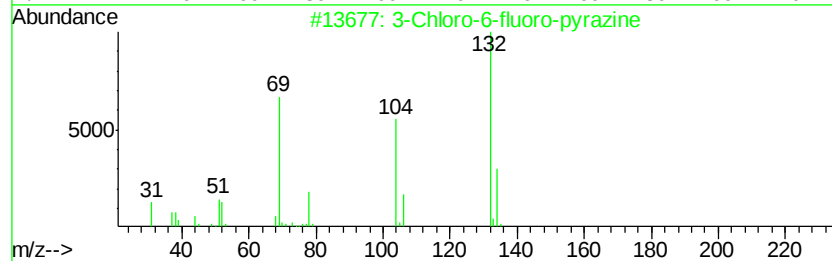
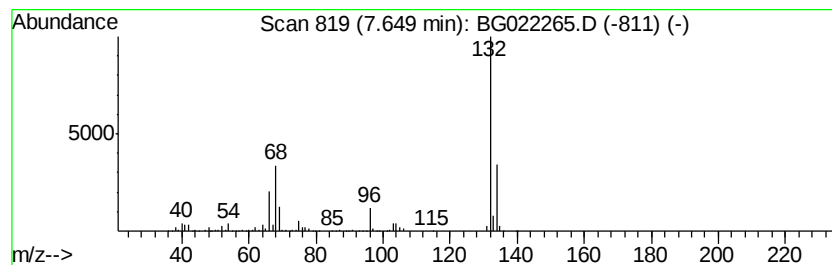
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.65 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	69.22 ng	909041	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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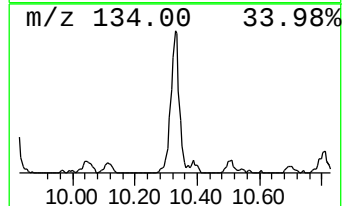
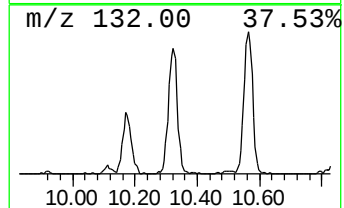
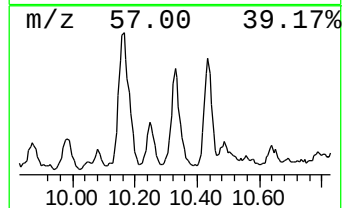
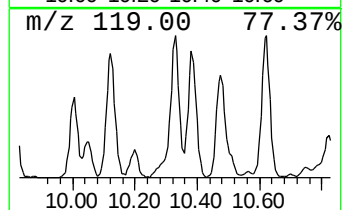
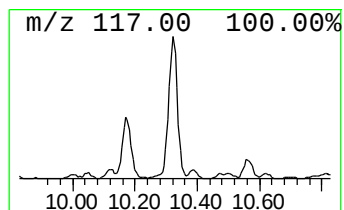
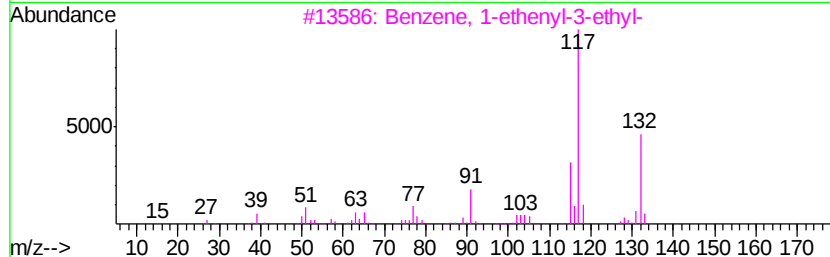
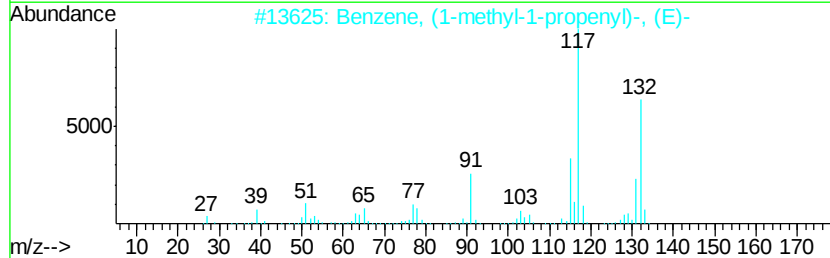
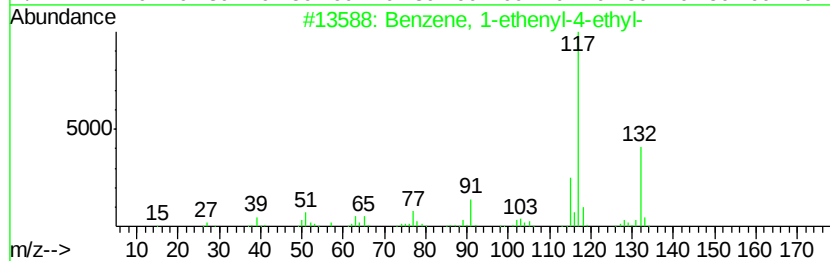
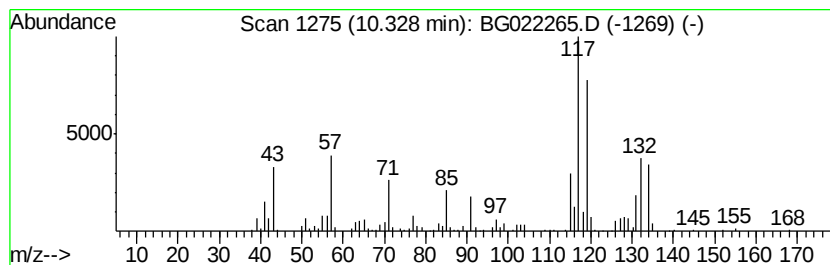
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	39.85 ng	391013	Naphthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	50
2		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	50
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	50
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	46
5		Indan, 1-methyl-	132	C10H12	000767-58-8	45



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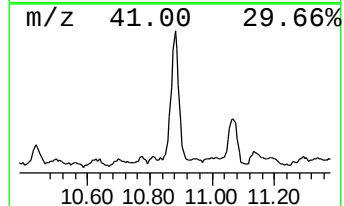
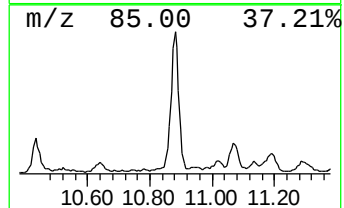
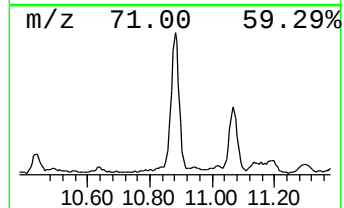
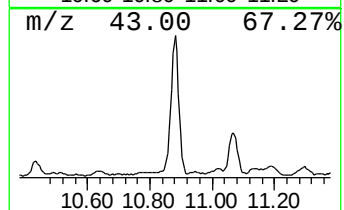
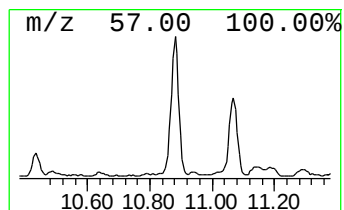
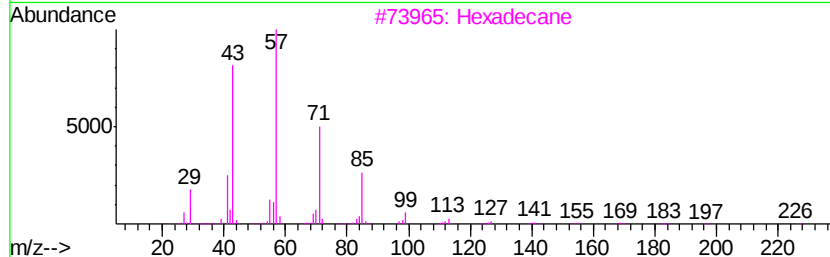
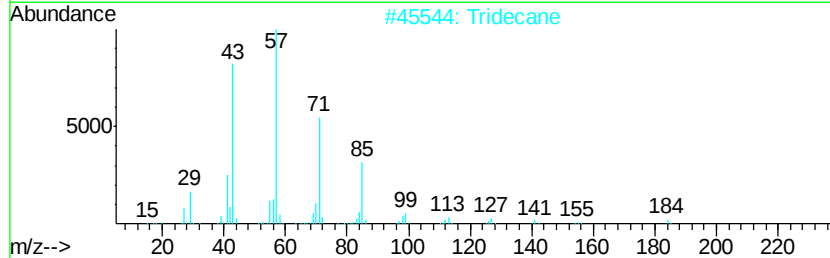
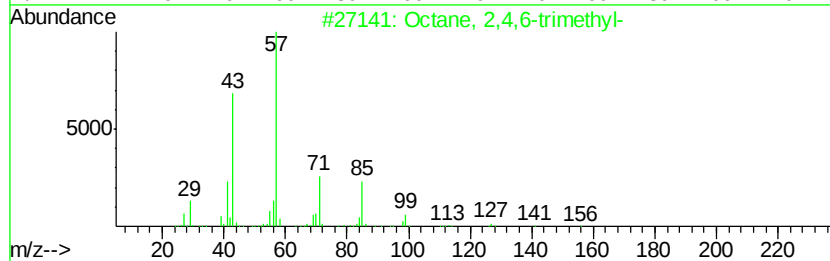
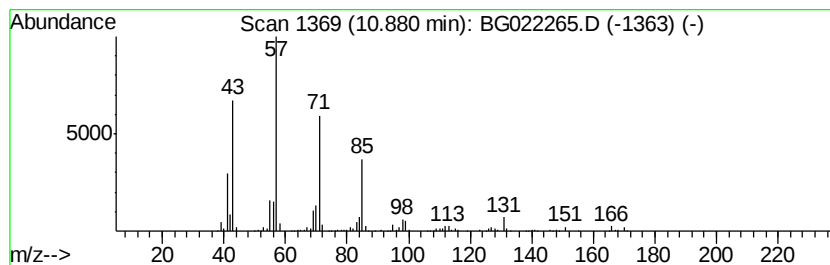
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octane, 2,4,6-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	81.57 ng	800261	Naphthalene-d8	10.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	86
2		Tridecane	184	C13H28	000629-50-5	72
3		Hexadecane	226	C16H34	000544-76-3	64
4		Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	59
5		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
Sample : H3457-02
Misc :
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Instrument :
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ClientSampleId :
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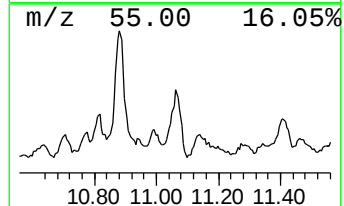
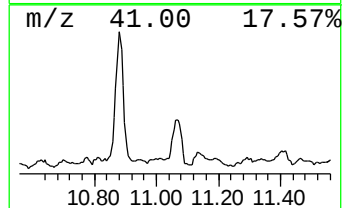
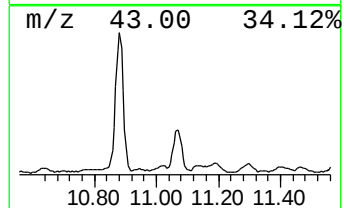
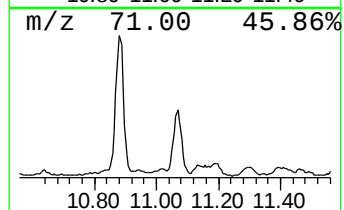
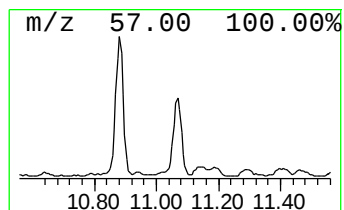
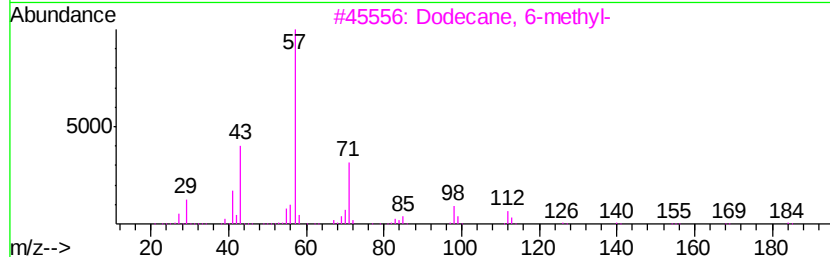
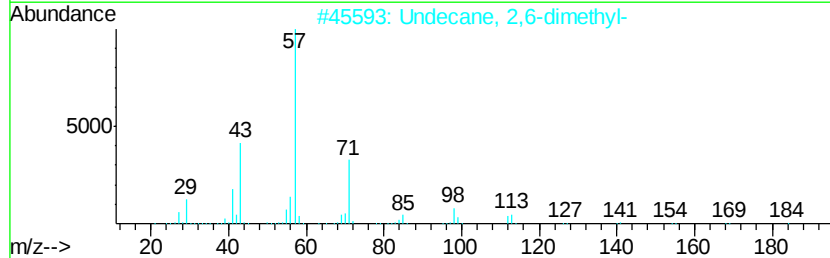
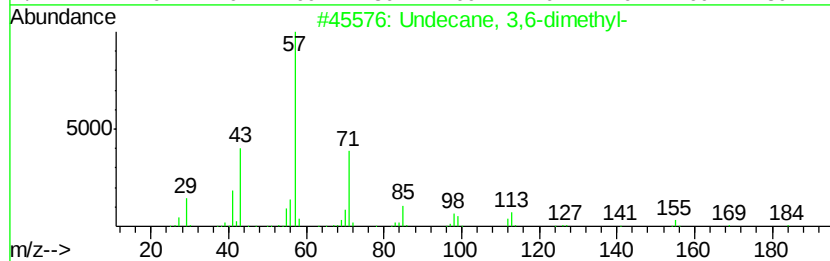
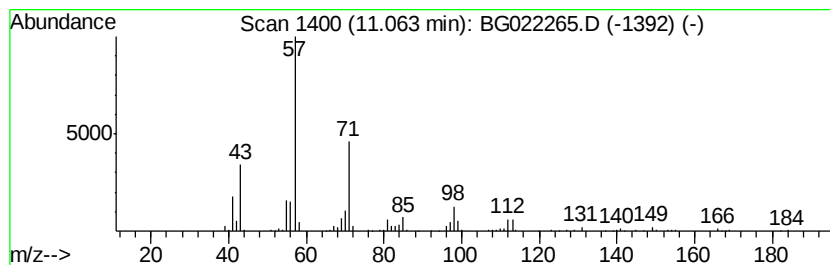
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Undecane, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	52.95 ng	519449	Napthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3		Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
4		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
5		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
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Operator : UM/SJ
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Misc :
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ClientSampleId :
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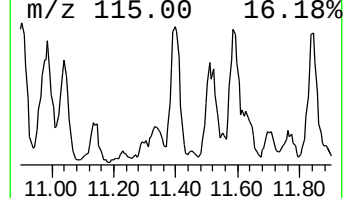
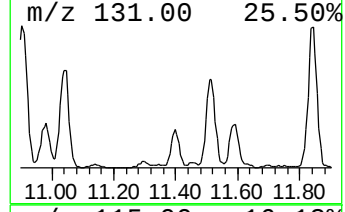
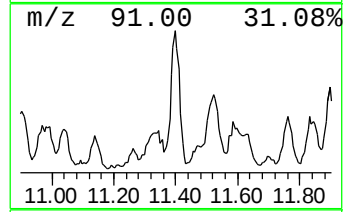
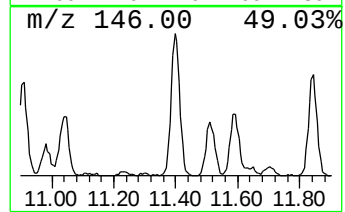
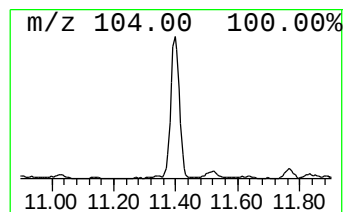
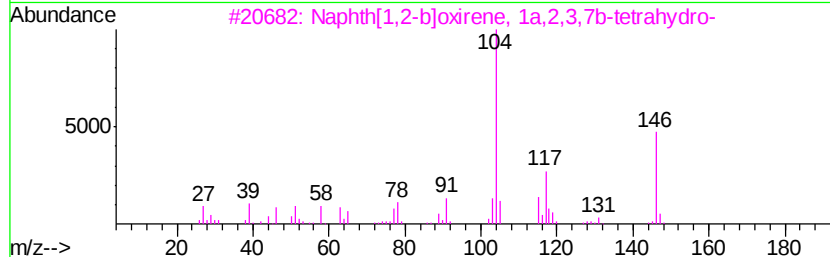
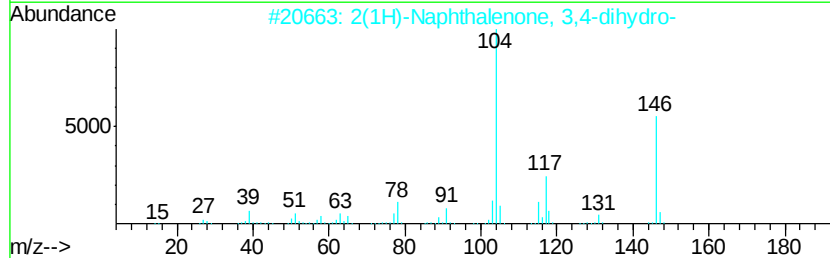
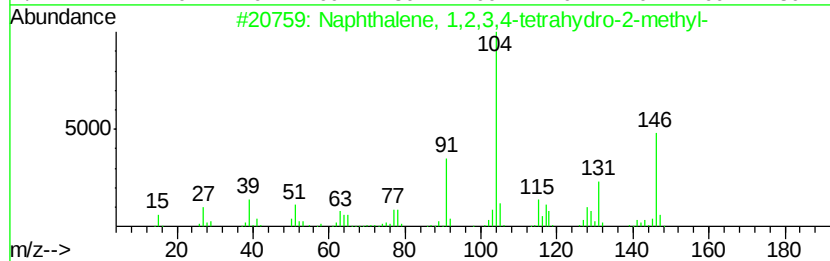
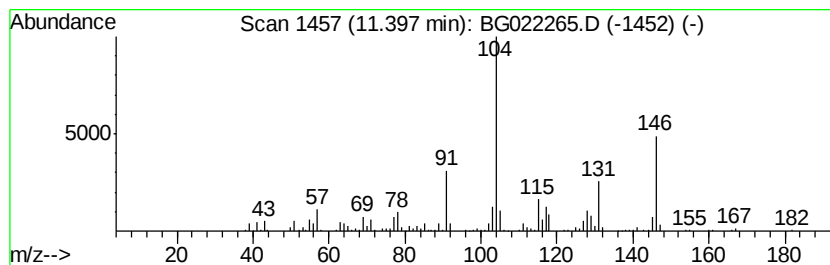
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	40.40 ng	396342	Naphthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	62
3		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	47
5		Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	37



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
Sample : H3457-02
Misc :
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ClientSampleId :
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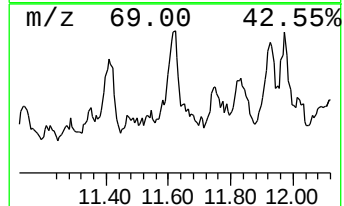
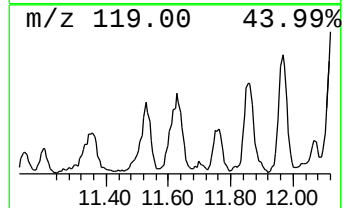
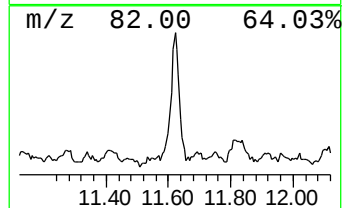
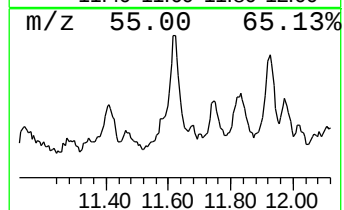
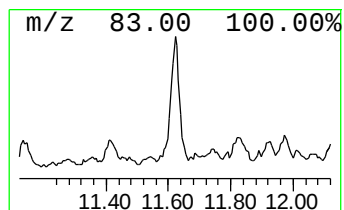
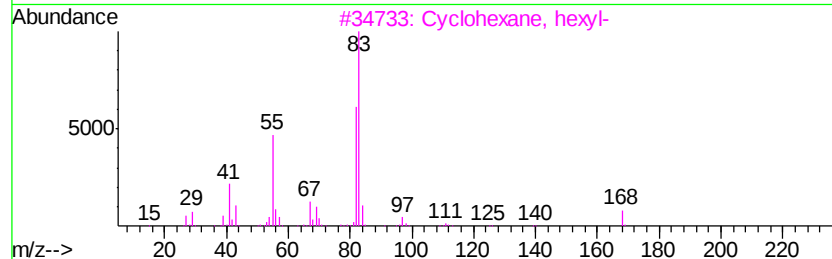
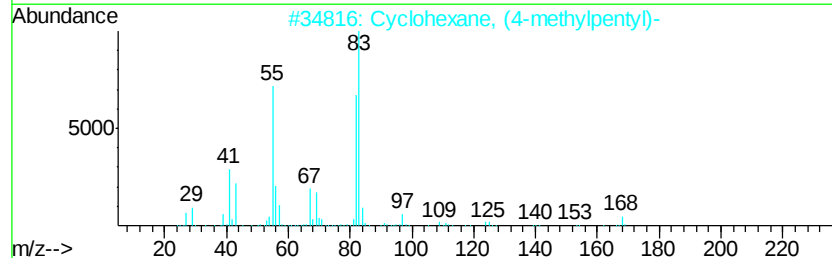
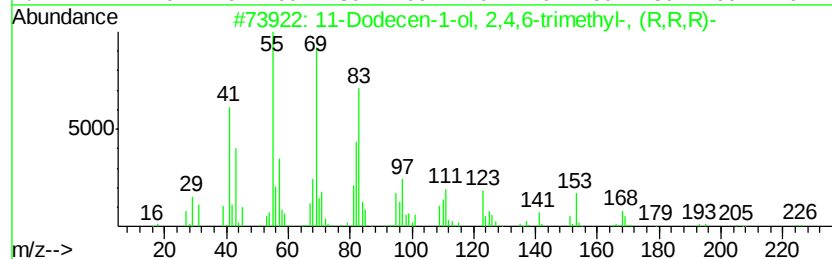
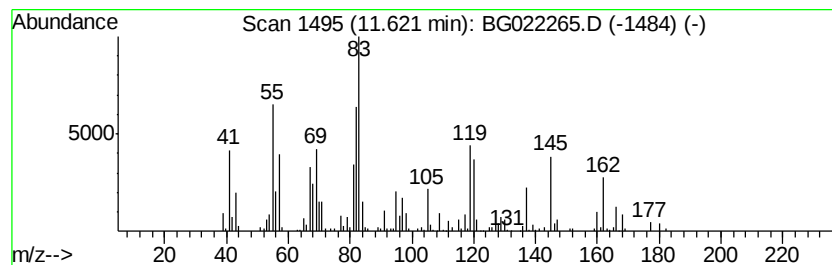
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown11.62 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	51.26 ng	502871	Naphthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11-Dodecen-1-ol, 2,4,6-trimethyl...	226	C15H30O	027829-54-5	35
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	30
3		Cyclohexane, hexyl-	168	C12H24	004292-75-5	30
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	30
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	27



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG02265.D
Acq On : 9 Jun 2016 12:34
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ClientSampleId :
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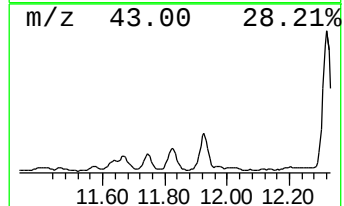
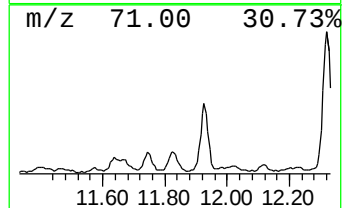
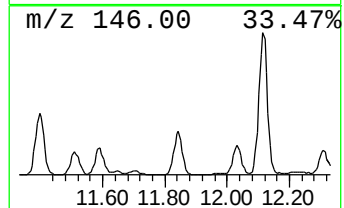
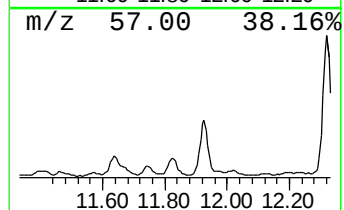
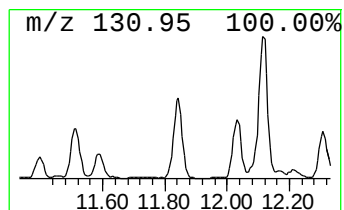
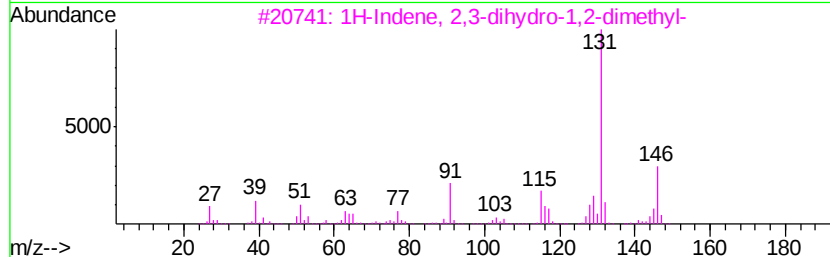
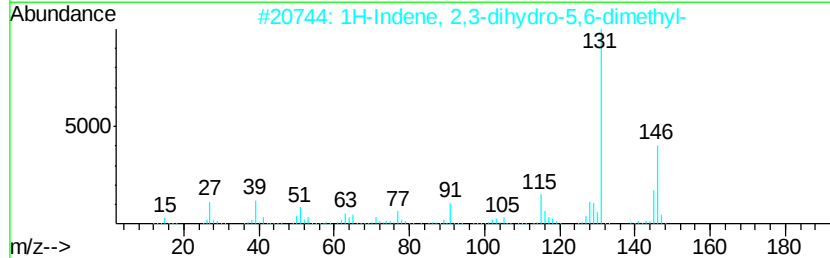
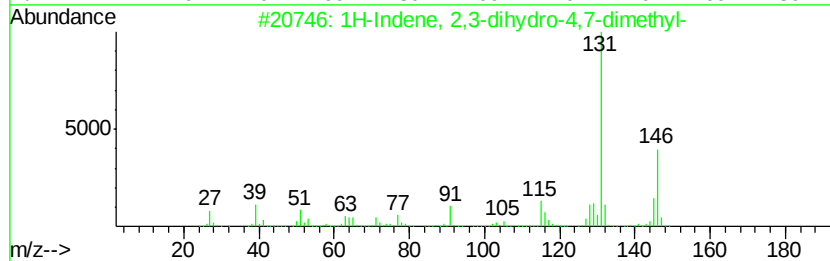
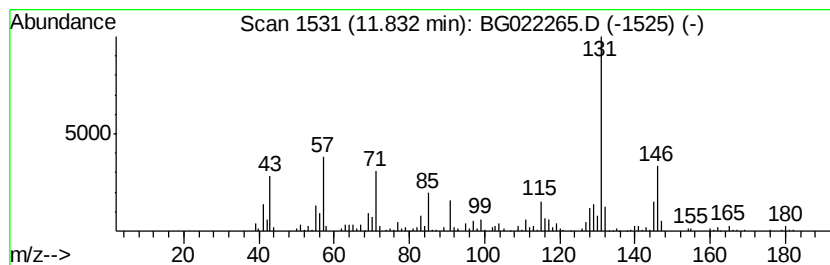
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	43.70 ng	428720	Naphthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	95
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
4		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	89
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
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Misc :
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ClientSampleId :
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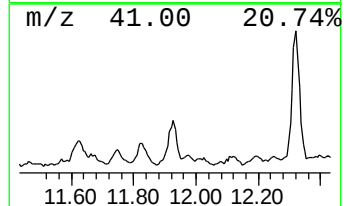
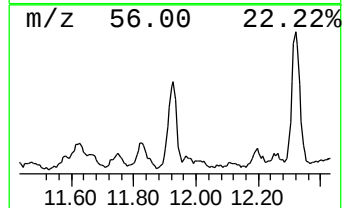
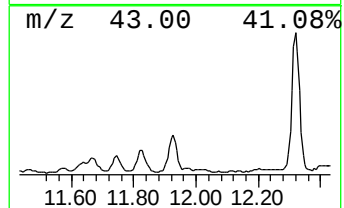
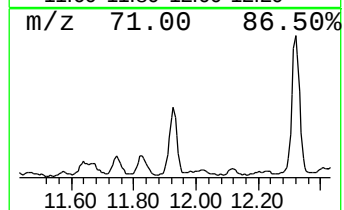
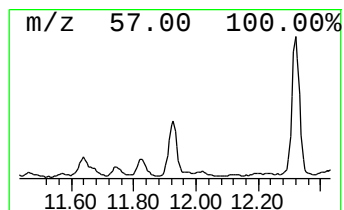
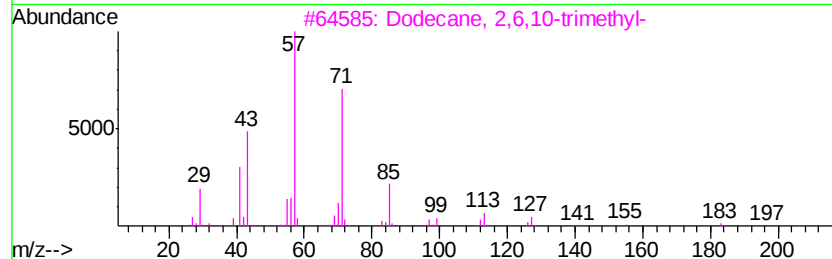
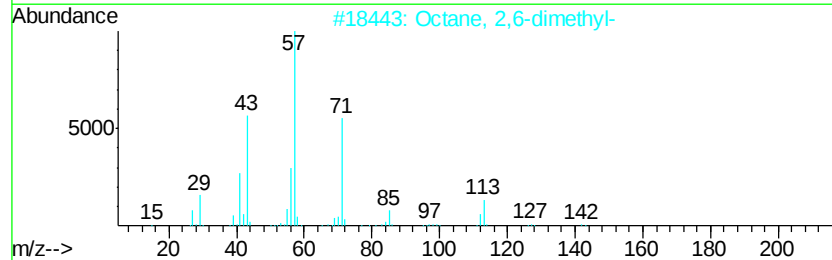
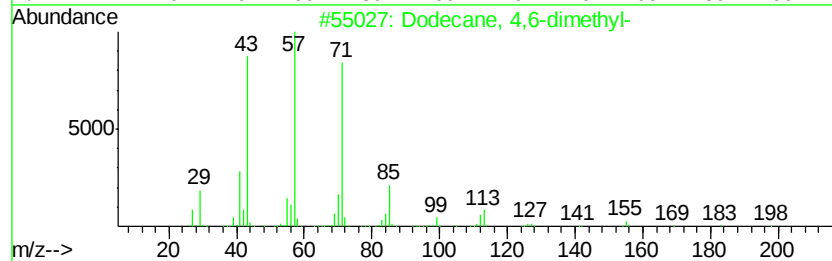
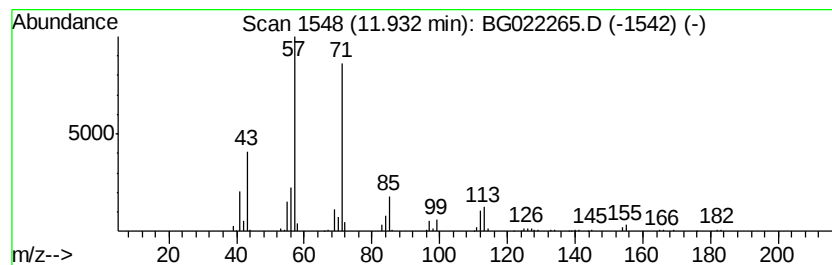
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dodecane, 4,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	32.06 ng	314513	Napthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	86
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	59
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG02265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
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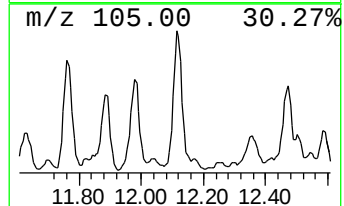
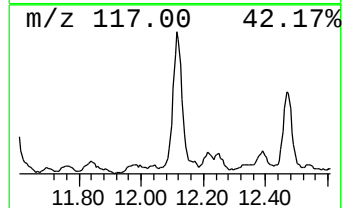
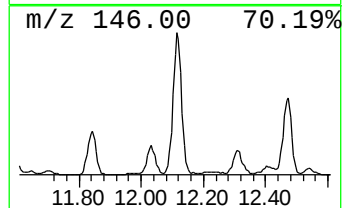
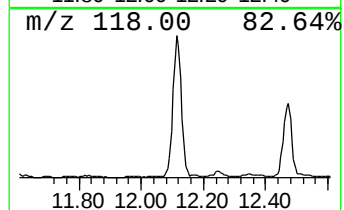
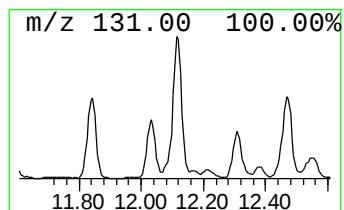
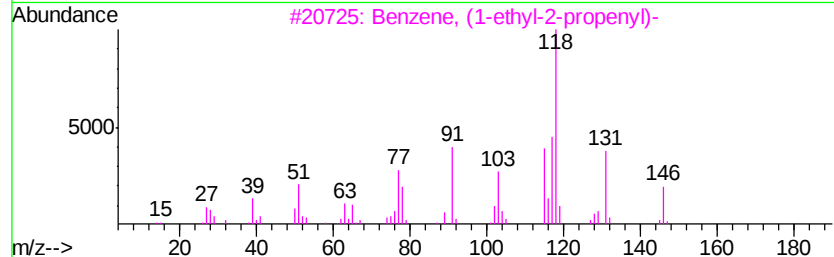
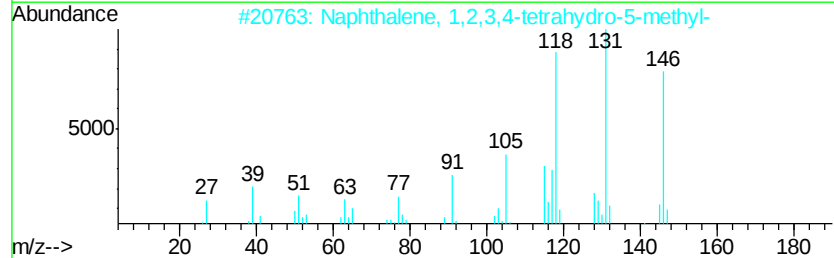
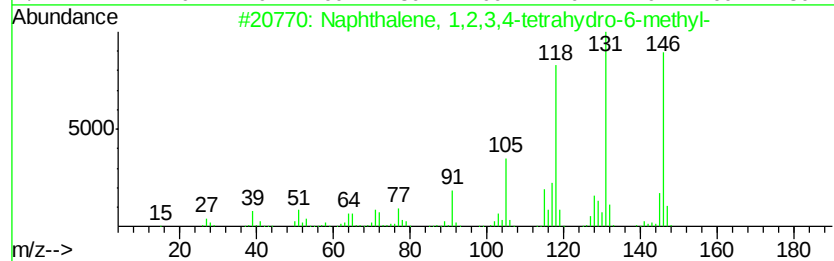
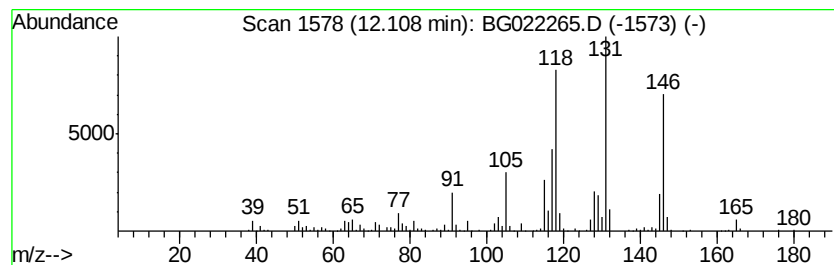
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,2,3,4-tetra... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	77.29 ng	758330	Naphthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
3		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	87
4		1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	83
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
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ALS Vial : 20 Sample Multiplier: 1

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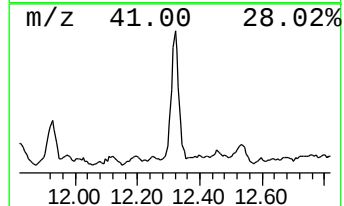
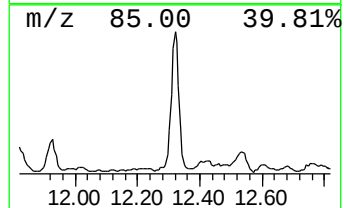
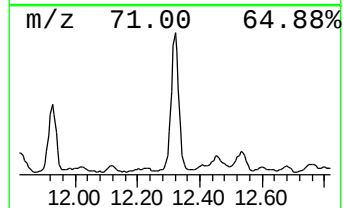
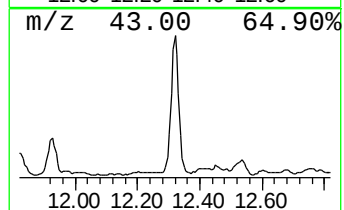
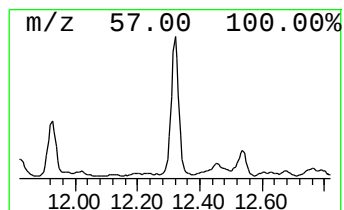
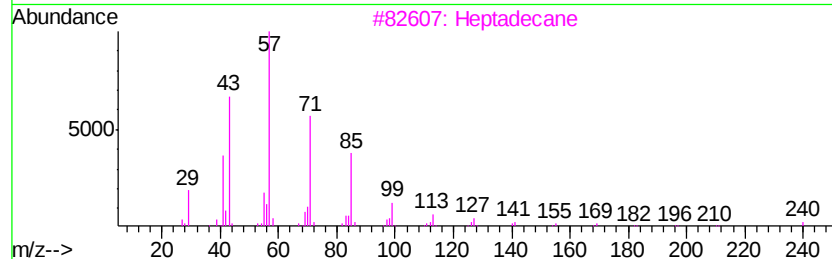
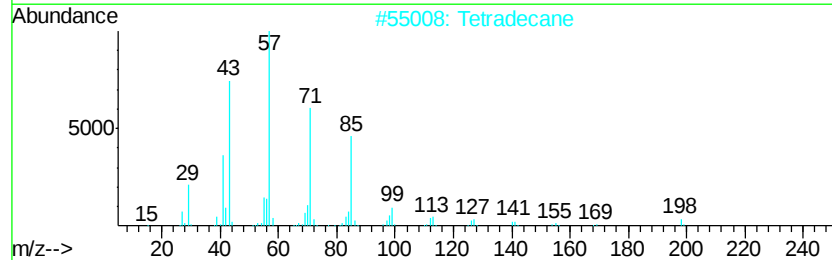
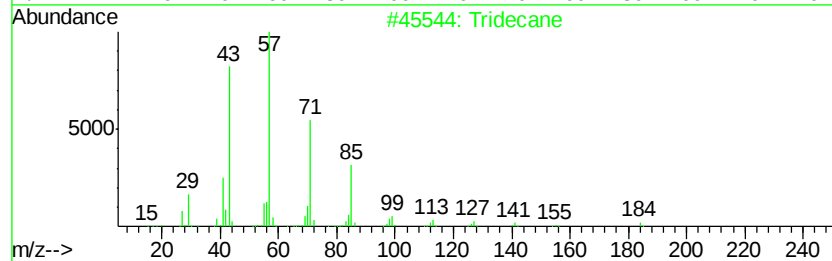
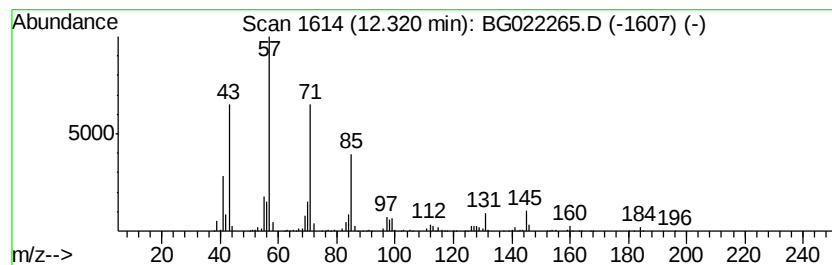
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	117.96 ng	1157280	Naphthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	92
2		Tetradecane	198	C14H30	000629-59-4	64
3		Heptadecane	240	C17H36	000629-78-7	64
4		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
Sample : H3457-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MPB-E-3-SOIL

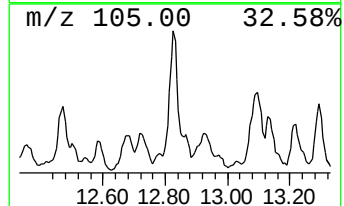
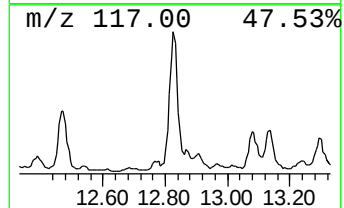
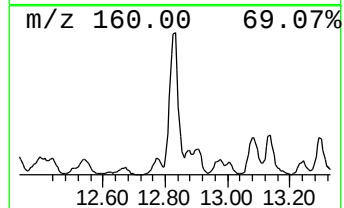
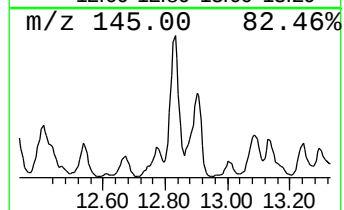
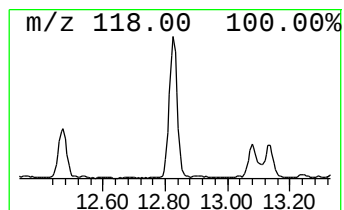
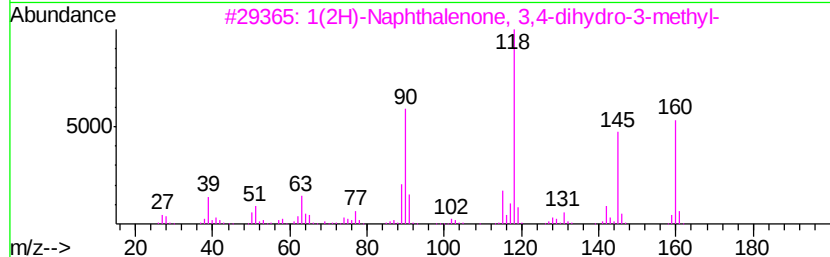
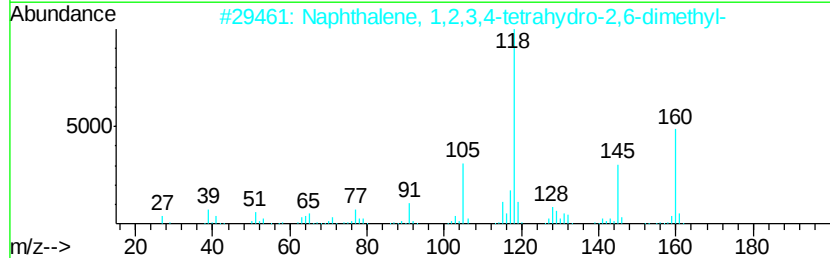
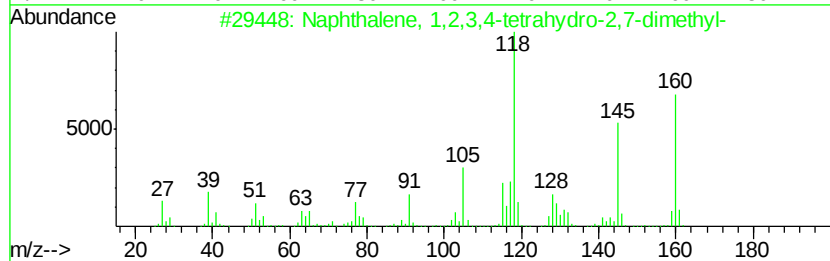
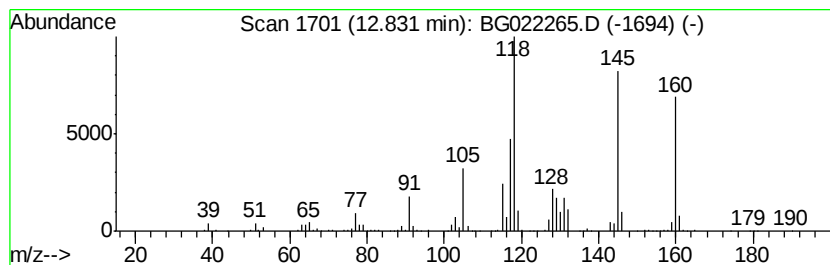
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,2,3,4-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	71.45 ng	700994	Naphthalene-d8	10.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	83
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	70
3		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	64
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	58
5		Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
Sample : H3457-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MPB-E-3-SOIL

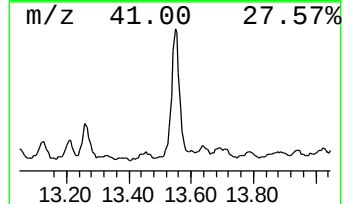
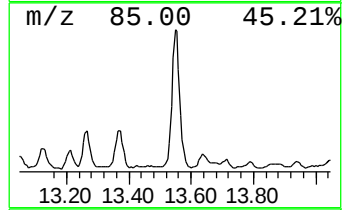
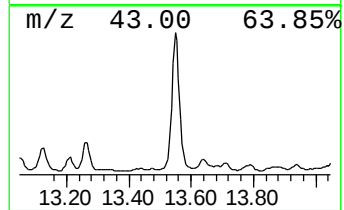
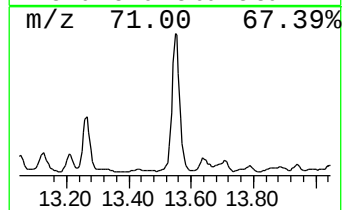
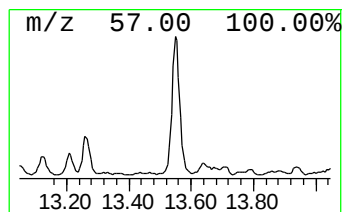
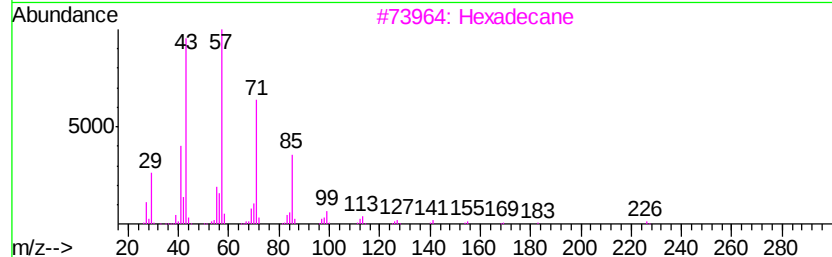
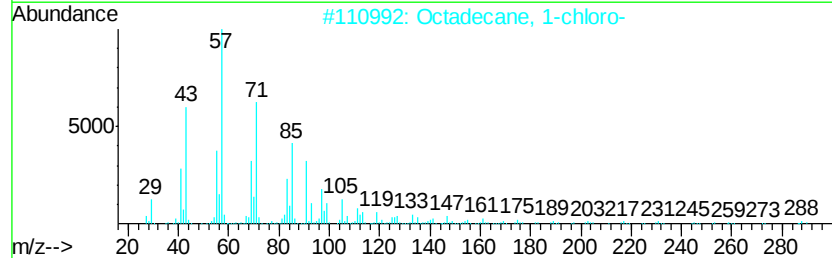
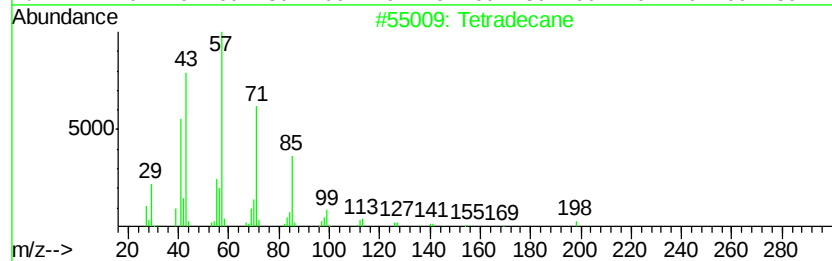
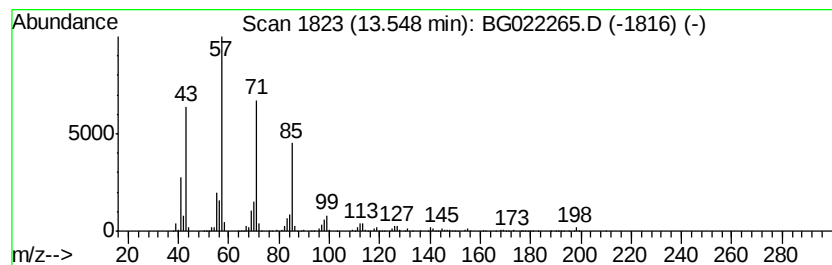
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetradecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	32.12 ng	1342470	Acenaphthene-d10	14.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	87
2			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	83
3			Hexadecane	226	C16H34	000544-76-3	78
4			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
5			Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG02265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
Sample : H3457-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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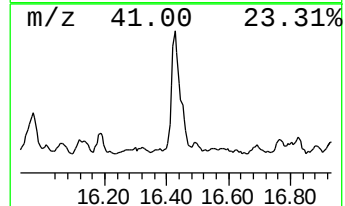
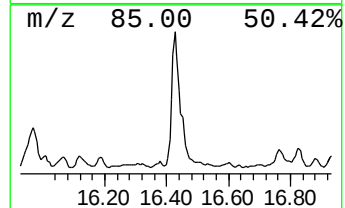
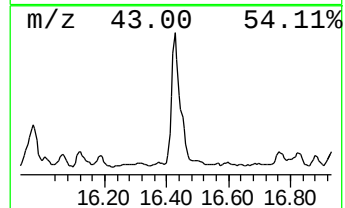
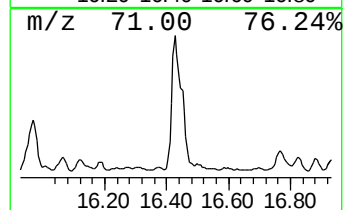
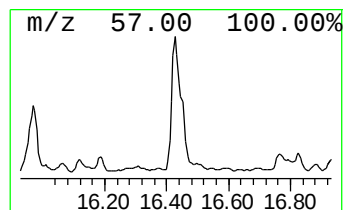
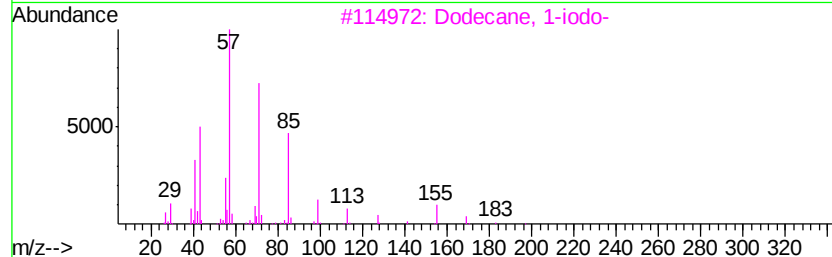
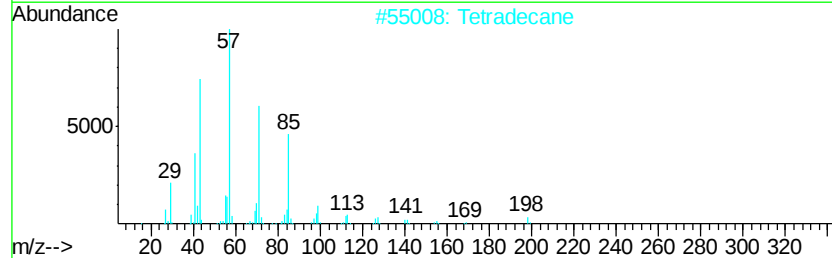
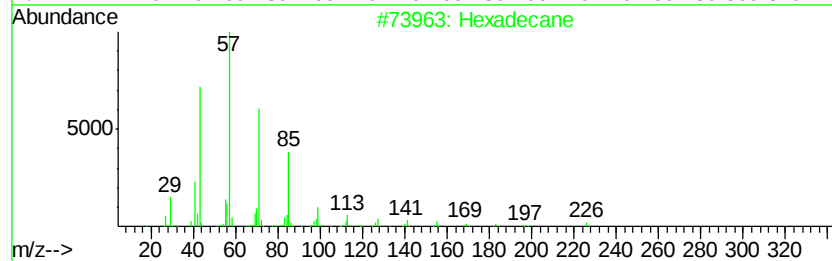
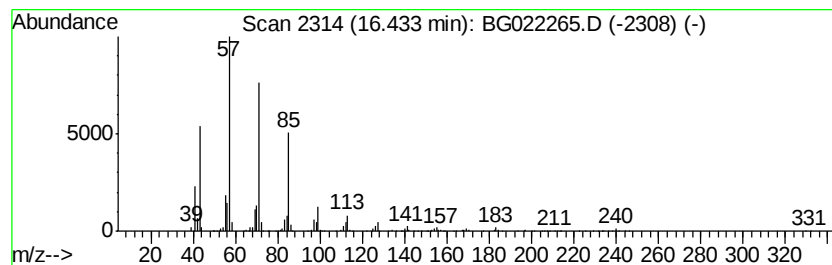
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	76.29 ng	1853250	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Tetradecane	198	C14H30	000629-59-4	90
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4		Dodecane, 4-methyl-	184	C13H28	006117-97-1	86
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG02265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
Sample : H3457-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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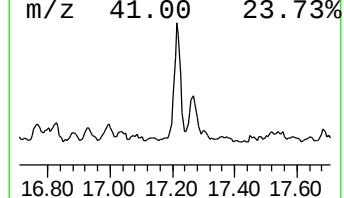
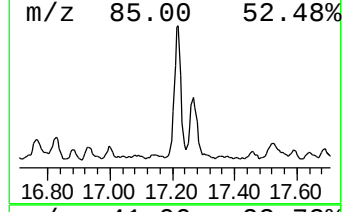
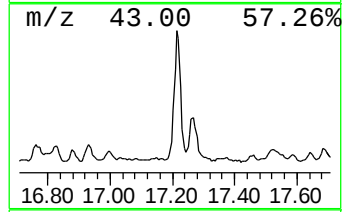
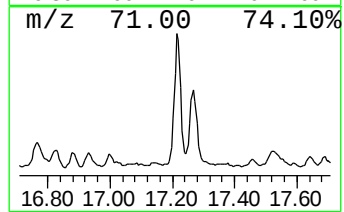
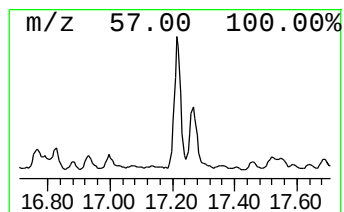
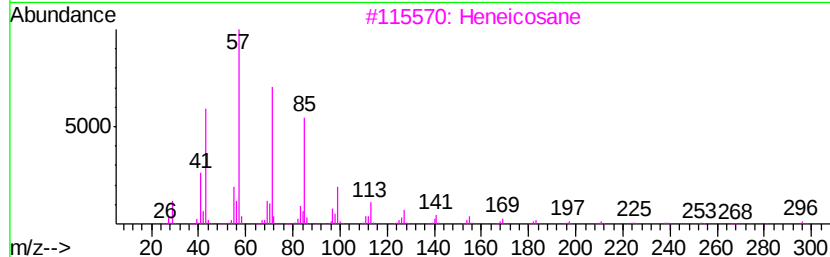
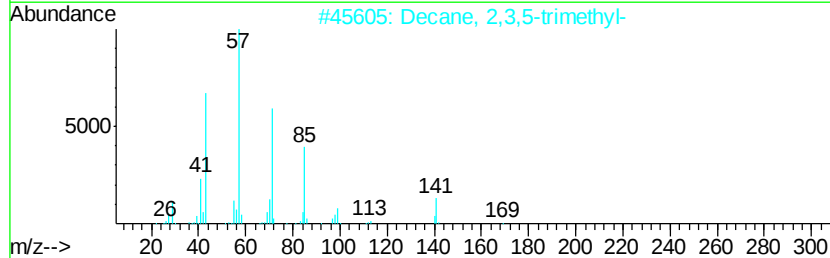
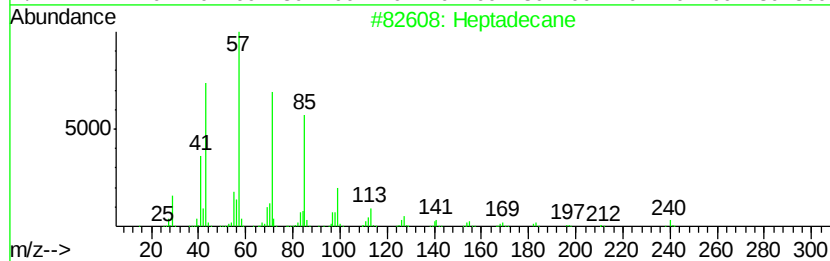
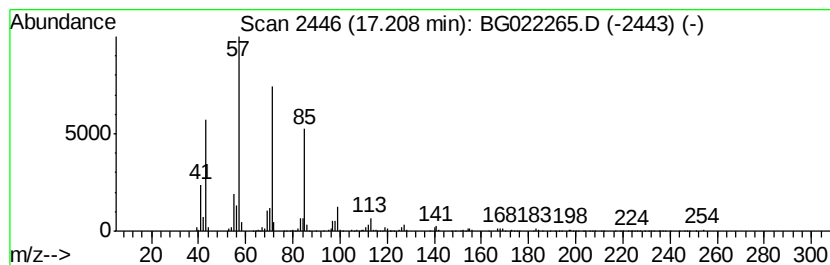
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	39.27 ng	954093	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	91
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		Pentadecane	212	C15H32	000629-62-9	87
5		Hexadecane	226	C16H34	000544-76-3	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
Sample : H3457-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MPB-E-3-SOIL

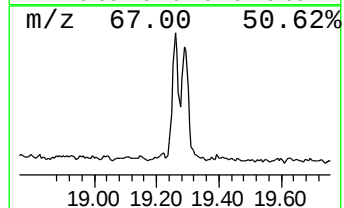
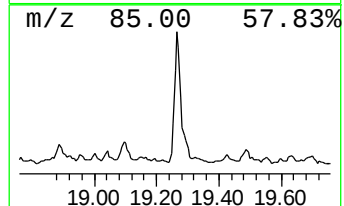
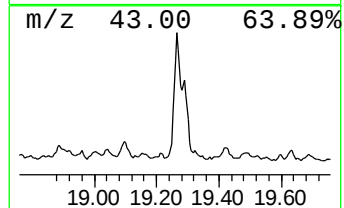
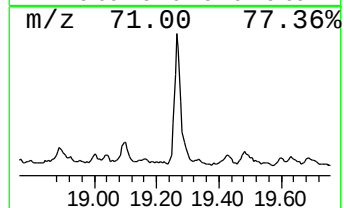
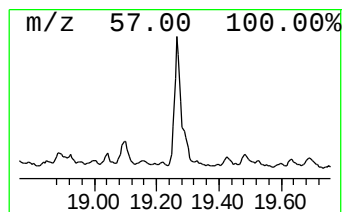
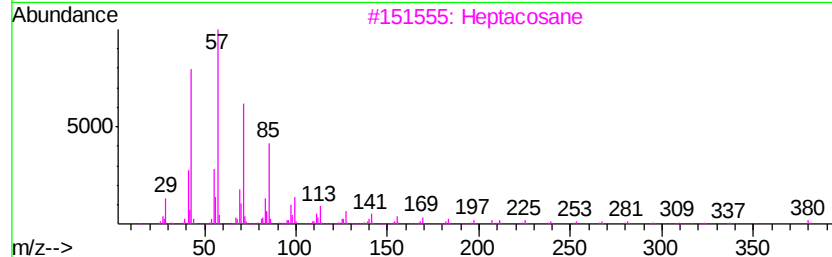
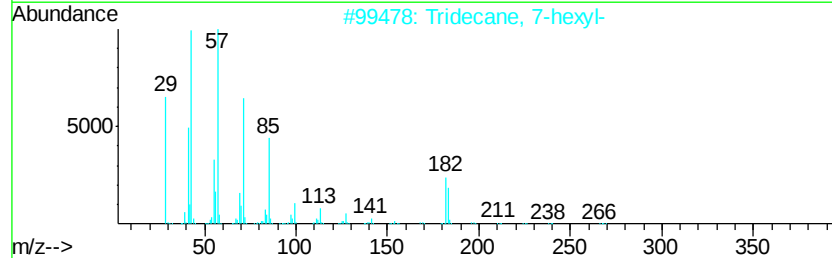
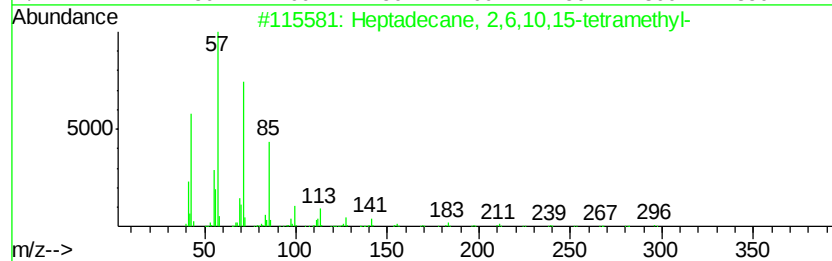
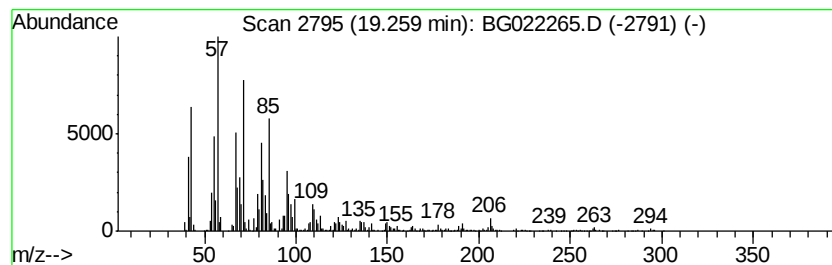
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	48.10 ng	1168590	Phenanthrene-d10	17.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
2			Tridecane, 7-hexyl-	268	C19H40	007225-66-3	76
3			Heptacosane	380	C27H56	000593-49-7	74
4			10-Methylnonadecane	282	C20H42	056862-62-5	72
5			Eicosane, 7-hexyl-	366	C26H54	055333-99-8	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022265.D
Acq On : 9 Jun 2016 12:34
Operator : UM/SJ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
MPB-E-3-SOIL

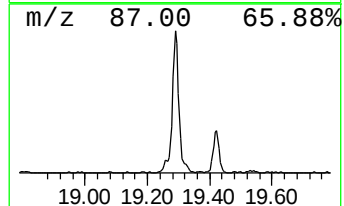
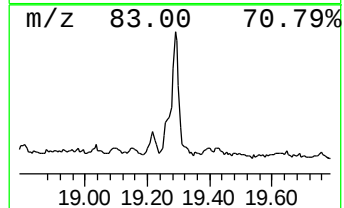
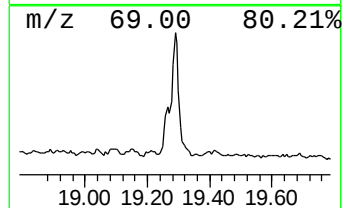
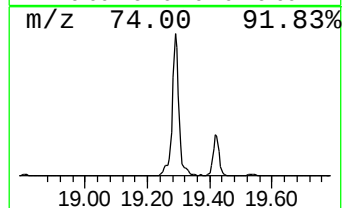
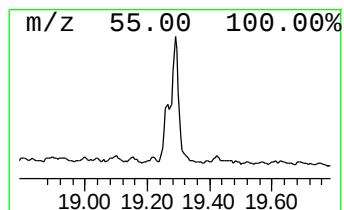
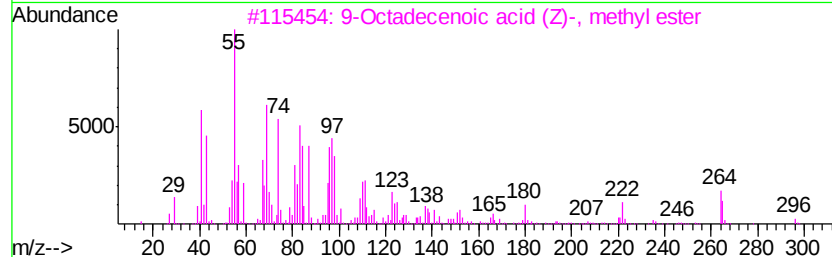
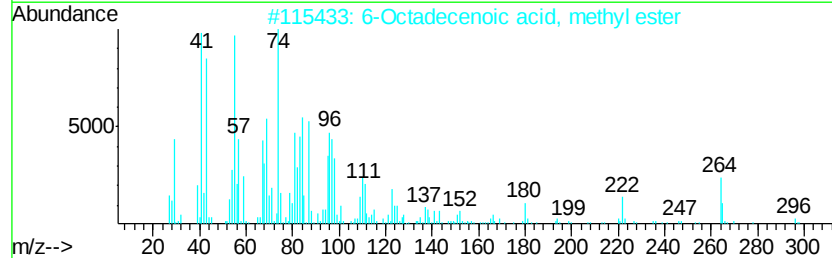
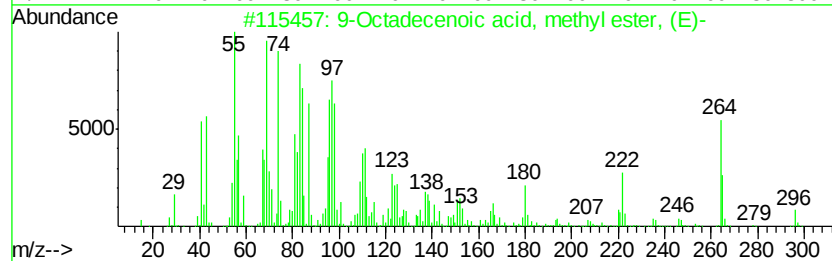
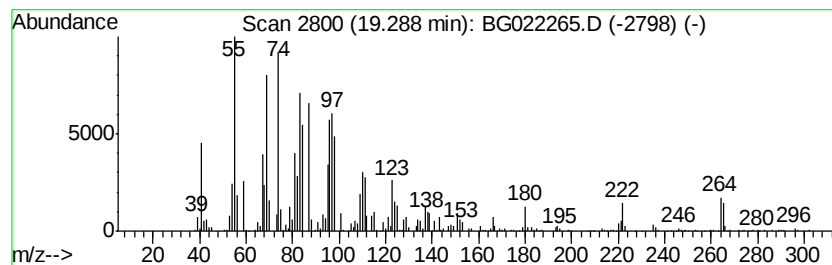
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9-Octadecenoic acid, methyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	62.56 ng	1519810	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
2		6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
3		9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
4		10-Octadecenoic acid, methyl est...	296	C19H36O2	013038-45-4	81
5		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	81



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060916\
 Data File : BG022265.D
 Acq On : 9 Jun 2016 12:34
 Operator : UM/SJ
 Sample : H3457-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MPB-E-3-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.65	7.65	69.2	ng	909041	1	8.11	262643	20.0
Benzene, 1-etheny...	10.33	39.9	ng	391013	2	10.94	196220	20.0
Octane, 2,4,6-tri...	10.88	81.6	ng	800261	2	10.94	196220	20.0
Undecane, 3,6-dim...	11.06	53.0	ng	519449	2	10.94	196220	20.0
Naphthalene, 1,2,...	11.40	40.4	ng	396342	2	10.94	196220	20.0
unknown11.62	11.62	51.3	ng	502871	2	10.94	196220	20.0
1H-Indene, 2,3-di...	11.83	43.7	ng	428720	2	10.94	196220	20.0
Dodecane, 4,6-dim...	11.93	32.1	ng	314513	2	10.94	196220	20.0
Naphthalene, 1,2,...	12.11	77.3	ng	758330	2	10.94	196220	20.0
Tridecane	12.32	118.0	ng	1157280	2	10.94	196220	20.0
Naphthalene, 1,2,...	12.83	71.5	ng	700994	2	10.94	196220	20.0
Tetradecane	13.55	32.1	ng	1342470	3	14.75	835793	20.0
Hexadecane	16.43	76.3	ng	1853250	4	17.49	485858	20.0
Heptadecane	17.21	39.3	ng	954093	4	17.49	485858	20.0
Heptadecane, 2,6,...	19.26	48.1	ng	1168590	4	17.49	485858	20.0
9-Octadecenoic ac...	19.29	62.6	ng	1519810	4	17.49	485858	20.0