

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084735.D
 Acq On : 2 Feb 2016 3:18
 Operator : SJ/IZ
 Sample : H1306-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

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-BF020116.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	4.876	239	244	246	rBV	2687280	4464117	24.06%	1.219%
2	5.264	273	278	280	rBV	391877	560082	3.02%	0.153%
3	5.310	280	282	284	rVB	4358906	4338271	23.38%	1.184%
4	5.710	313	317	319	rVB2	648415	813194	4.38%	0.222%
5	5.847	326	329	332	rVB2	767324	867151	4.67%	0.237%
6	5.904	332	334	336	rBV2	252413	431724	2.33%	0.118%
7	5.950	336	338	341	rVB	1664717	1875573	10.11%	0.512%
8	6.007	341	343	344	rBV	661266	674094	3.63%	0.184%
9	6.144	352	355	358	rBV2	715750	1417627	7.64%	0.387%
10	6.213	358	361	364	rBV3	910158	1661533	8.96%	0.454%
11	6.304	367	369	371	rBV2	446685	515447	2.78%	0.141%
12	6.361	371	374	377	rBV	4037463	4543651	24.49%	1.240%
13	6.453	380	382	383	rBV	928671	1450190	7.82%	0.396%
14	6.487	383	385	386	rVB	3480440	4453843	24.01%	1.216%
15	6.533	386	389	391	rBV	654681	907160	4.89%	0.248%
16	6.670	397	401	403	rBV3	617064	1621381	8.74%	0.443%
17	6.716	403	405	406	rVV	975665	1485952	8.01%	0.406%
18	6.739	406	407	409	rVB	2741237	1923466	10.37%	0.525%
19	6.773	409	410	413	rBV2	1028207	1519732	8.19%	0.415%
20	6.841	415	416	417	rBV	665960	684385	3.69%	0.187%
21	6.864	417	418	423	rVB2	3863715	5995007	32.31%	1.637%
22	6.967	423	427	428	rBV3	1026096	2135657	11.51%	0.583%
23	7.001	428	430	432	rVB	1197586	1539863	8.30%	0.420%
24	7.036	432	433	435	rBV	1212442	1131100	6.10%	0.309%
25	7.104	438	439	441	rBV2	1320093	1857951	10.01%	0.507%
26	7.196	445	447	448	rBV	722395	1394957	7.52%	0.381%
27	7.264	450	453	454	rBV	2969423	4997413	26.94%	1.364%
28	7.367	460	462	464	rVB3	1814751	2688506	14.49%	0.734%
29	7.413	464	466	467	rBV2	1144089	1767339	9.53%	0.482%
30	7.447	467	469	470	rVB	1536657	2021037	10.89%	0.552%
31	7.493	470	473	474	rBV3	1840602	2737456	14.75%	0.747%
32	7.527	474	476	478	rVB2	4083392	5288155	28.50%	1.444%
33	7.573	478	480	481	rBV	720574	942351	5.08%	0.257%
34	7.630	481	485	489	rBV5	2150536	6491144	34.99%	1.772%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.699	489	491	493	rVB	1492598	1588820	8.56%	0.434%
36	7.744	493	495	497	rBV2	3070038	4333487	23.36%	1.183%
37	7.779	497	498	500	rVB	2325007	2093704	11.28%	0.572%
38	7.836	500	503	505	rVB3	1966398	3607117	19.44%	0.985%
39	7.882	505	507	508	rBV	1759531	2216177	11.95%	0.605%
40	7.916	508	510	511	rVB2	640681	847309	4.57%	0.231%
41	8.007	511	518	519	rBV4	5030658	12229437	65.92%	3.339%
42	8.030	519	520	524	rVV3	1949980	6190686	33.37%	1.690%
43	8.087	524	525	528	rVB2	4890113	4732343	25.51%	1.292%
44	8.213	531	536	538	rBV3	2305040	6890517	37.14%	1.881%
45	8.304	538	544	546	rBV6	2566131	7198790	38.80%	1.965%
46	8.373	548	550	551	rBV2	519533	444685	2.40%	0.121%
47	8.396	551	552	554	rVB2	2330135	2965936	15.99%	0.810%
48	8.453	554	557	561	rBV2	6333335	10898567	58.74%	2.975%
49	8.522	561	563	565	rBV2	3741745	4467814	24.08%	1.220%
50	8.624	569	572	574	rBV4	2131464	5428764	29.26%	1.482%
51	8.682	574	577	578	rVV3	2051639	4382353	23.62%	1.196%
52	8.716	578	580	583	rVB2	3964801	7040671	37.95%	1.922%
53	8.830	587	590	595	rVB4	4464449	10268762	55.35%	2.803%
54	8.933	595	599	600	rBV4	2870550	5999411	32.34%	1.638%
55	9.059	606	610	611	rBV2	6623663	9333036	50.30%	2.548%
56	9.093	611	613	614	rVB	2423784	2554173	13.77%	0.697%
57	9.196	618	622	624	rBV4	3377170	7877604	42.46%	2.151%
58	9.253	624	627	628	rVV2	1912589	3327526	17.94%	0.908%
59	9.367	633	637	639	rBV2	4551377	8600346	46.36%	2.348%
60	9.447	639	644	647	rBV3	5997427	18553084	100.00%	5.065%
61	9.516	647	650	651	rVB2	5018701	6895326	37.17%	1.882%
62	9.687	663	665	667	rVB3	2230999	1692089	9.12%	0.462%
63	9.722	667	668	669	rVB	2470308	1694631	9.13%	0.463%
64	9.756	669	671	674	rBV4	3392178	5658500	30.50%	1.545%
65	9.893	680	683	685	rVB	3599051	5699704	30.72%	1.556%
66	9.927	685	686	687	rBV	1331763	1357980	7.32%	0.371%
67	9.985	689	691	692	rVV	4926826	5277547	28.45%	1.441%
68	10.030	692	695	699	rVB4	3364528	8344499	44.98%	2.278%
69	10.099	699	701	702	rBV	3309075	3823864	20.61%	1.044%
70	10.316	719	720	721	rBV	2336517	2292883	12.36%	0.626%
71	10.350	721	723	724	rVV2	2018725	2902328	15.64%	0.792%

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72	10.385	724	726	729	rVV2	2386351	4120346	22.21%	1.125%
73	10.442	729	731	733	rVB	5290683	6942853	37.42%	1.895%
74	10.568	739	742	744	rBV3	1756420	3869622	20.86%	1.056%
75	10.602	744	745	748	rVB3	2233945	2726696	14.70%	0.744%
76	10.659	748	750	751	rBV2	1163504	1823323	9.83%	0.498%
77	10.716	751	755	758	rVV2	6887217	12601002	67.92%	3.440%
78	10.762	758	759	764	rVB3	1685067	2530833	13.64%	0.691%
79	10.910	770	772	774	rVB3	2591145	4195041	22.61%	1.145%
80	11.025	779	782	784	rVB4	2138660	3194587	17.22%	0.872%
81	11.173	792	795	798	rVB	6366733	9375776	50.53%	2.560%
82	11.276	803	804	806	rVV2	2439394	2622523	14.14%	0.716%
83	11.379	810	813	814	rBV2	1142407	1930453	10.41%	0.527%
84	11.516	823	825	826	rVB	1858660	2241895	12.08%	0.612%
85	11.756	844	846	847	rBV	2229796	2202918	11.87%	0.601%
86	11.779	847	848	850	rVB	2443924	2954536	15.92%	0.807%
87	11.859	853	855	860	rVB4	2509131	6134674	33.07%	1.675%
88	12.019	868	869	870	rBV	657870	506604	2.73%	0.138%
89	12.191	883	884	885	rVB	1099217	754063	4.06%	0.206%
90	12.225	885	887	891	rVB2	2112010	3732545	20.12%	1.019%
91	12.293	891	893	895	rBV	2080842	2735956	14.75%	0.747%
92	12.328	895	896	899	rVB2	1091897	1909546	10.29%	0.521%
93	12.373	899	900	902	rVB	711227	973837	5.25%	0.266%
94	12.705	927	929	930	rVB	928422	963206	5.19%	0.263%
95	12.739	930	932	935	rVV	797550	1116698	6.02%	0.305%
96	12.819	937	939	944	rVB	3322394	4093061	22.06%	1.117%
97	13.094	962	963	969	rVB3	315652	773661	4.17%	0.211%
98	13.722	1017	1018	1028	rVB	207688	434265	2.34%	0.119%
99	13.859	1028	1030	1032	rBV	1143901	1079271	5.82%	0.295%
100	15.231	1148	1150	1153	rBV	600326	862917	4.65%	0.236%

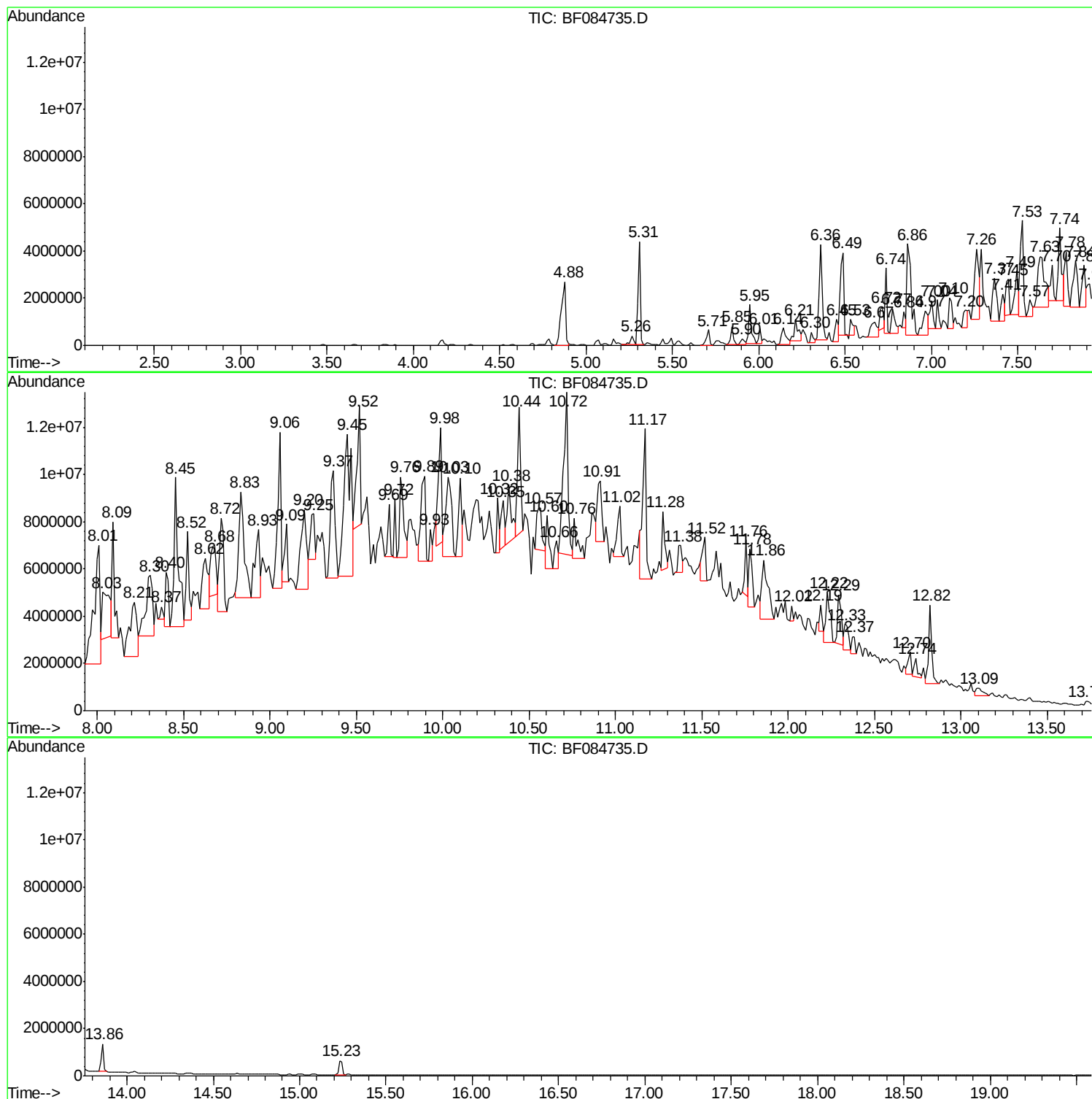
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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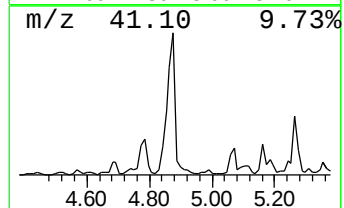
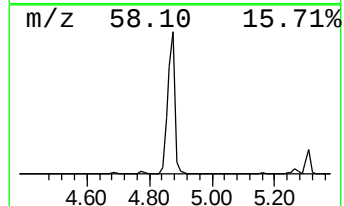
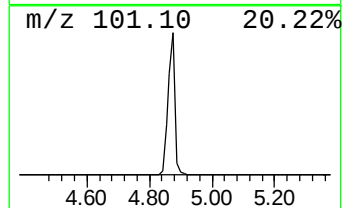
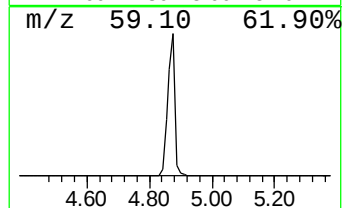
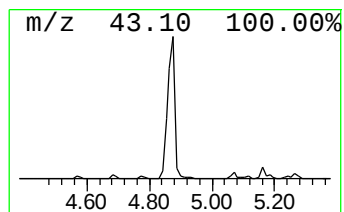
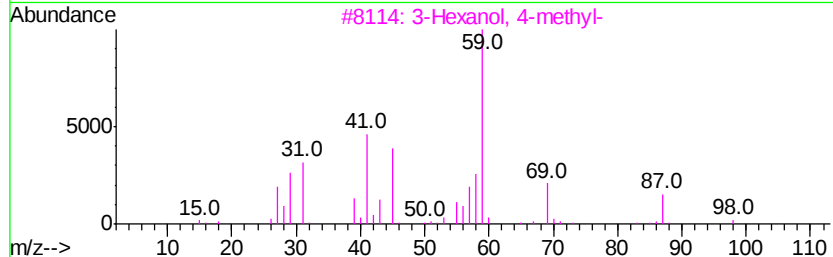
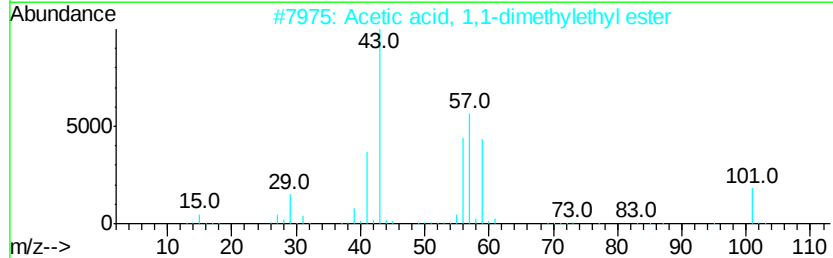
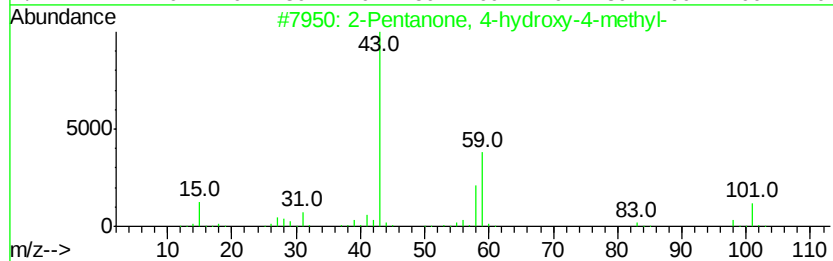
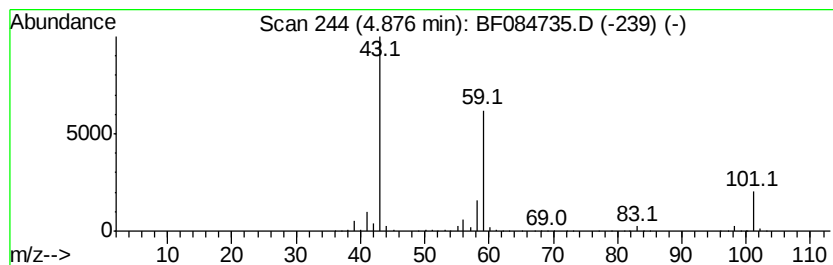
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	60.08 ng	4464120	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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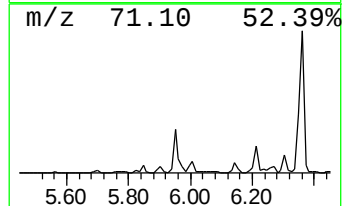
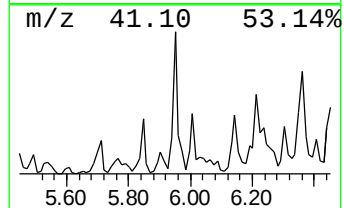
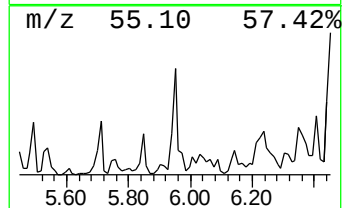
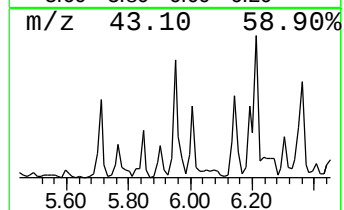
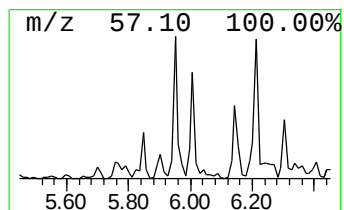
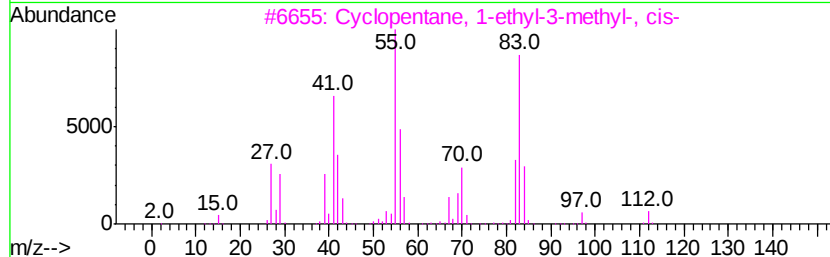
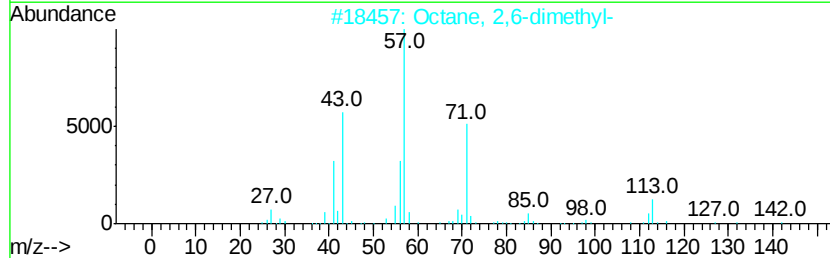
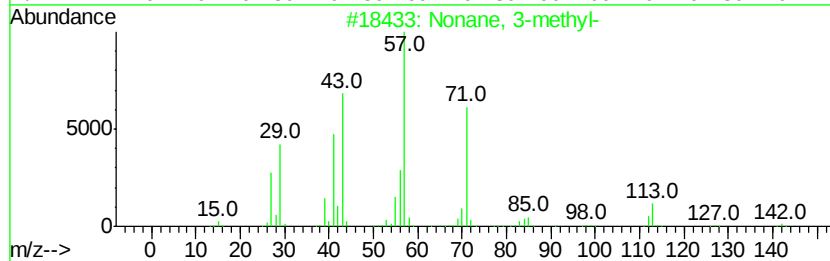
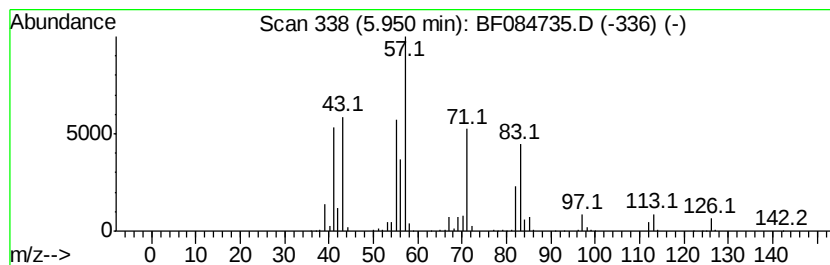
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown5.95 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.95	25.24 ng	1875570	1,4-Dichlorobenzene-d4	6.72		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 3-methyl-	142	C10H22	005911-04-6	43
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
3		Cyclopentane, 1-ethyl-3-methyl-, ...	112	C8H16	002613-66-3	43
4		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	43
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	35



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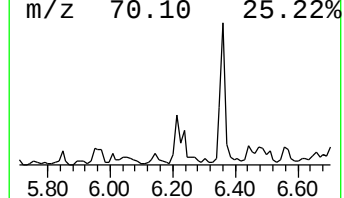
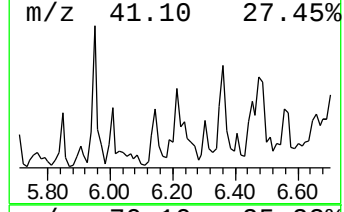
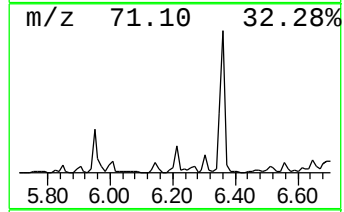
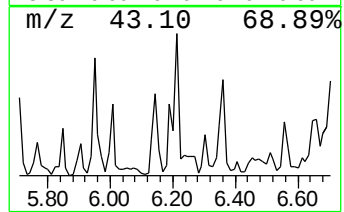
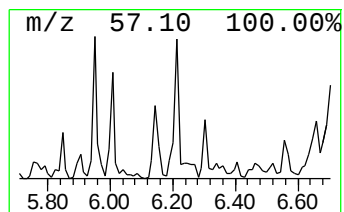
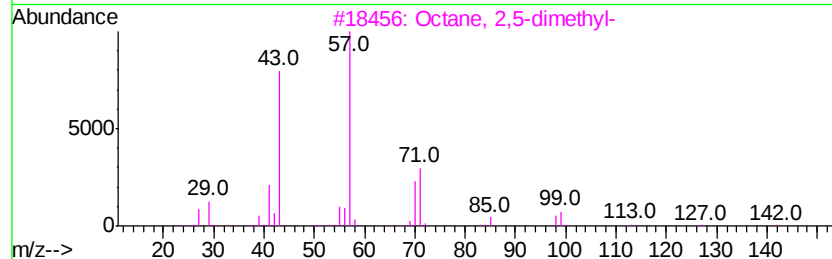
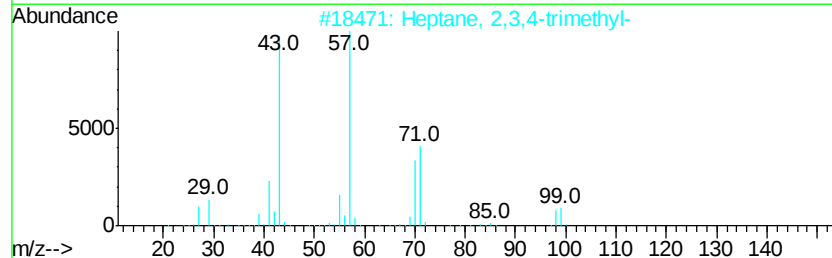
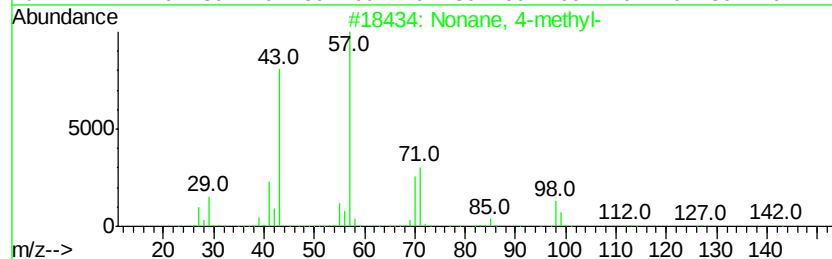
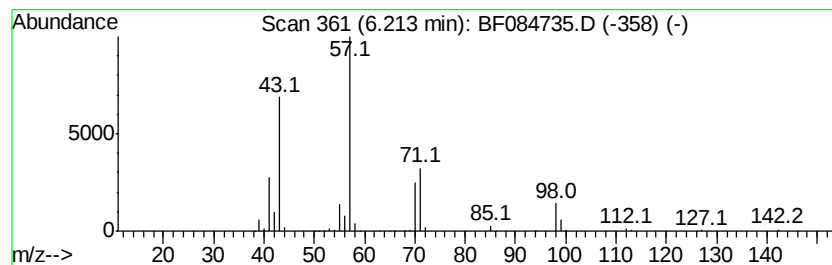
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Nonane, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	22.36 ng	1661530	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	78
3		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
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Acq On : 2 Feb 2016 3:18
Operator : SJ/IZ
Sample : H1306-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

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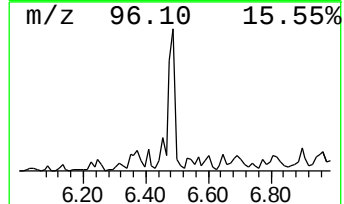
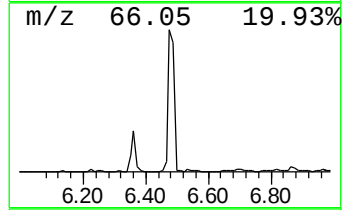
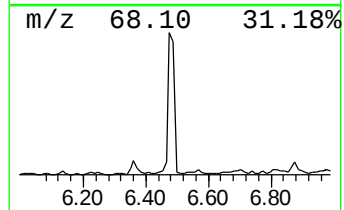
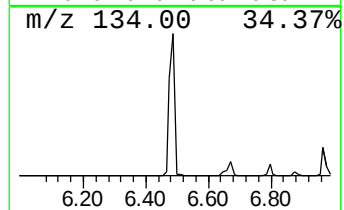
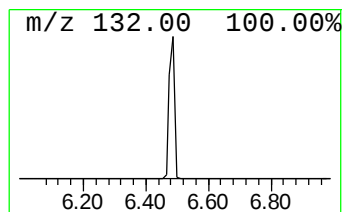
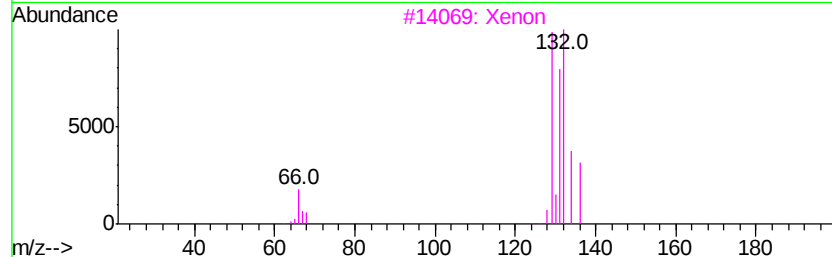
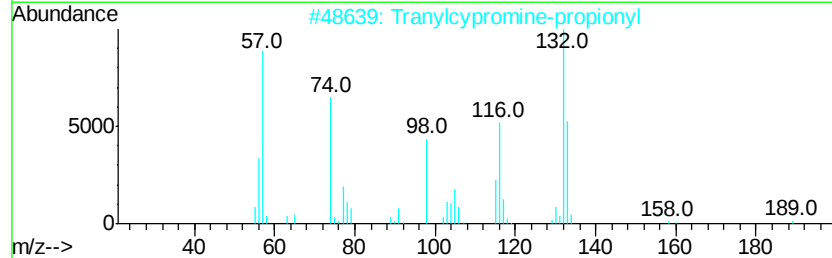
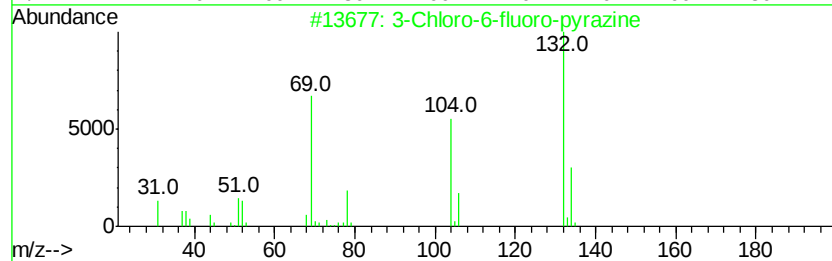
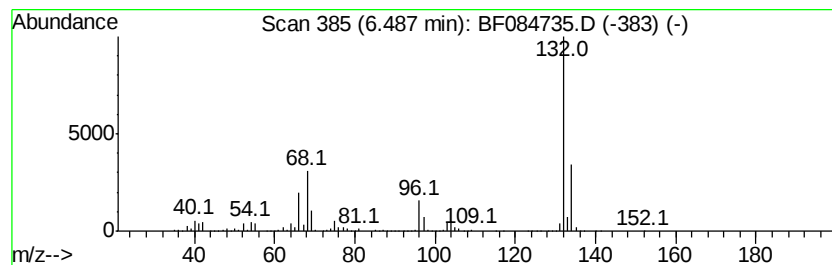
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown6.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	59.95 ng	4453840	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3		Xenon	132	Xe	007440-63-3	9
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
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ClientSampleId :
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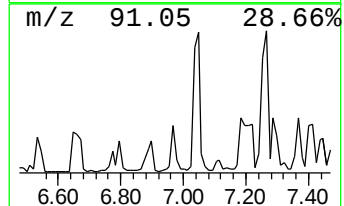
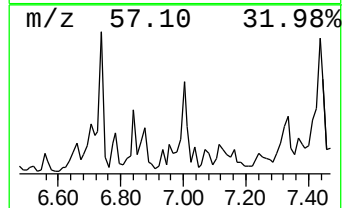
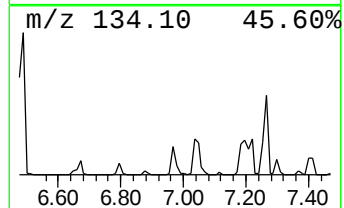
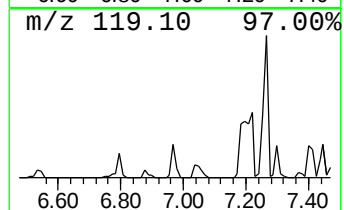
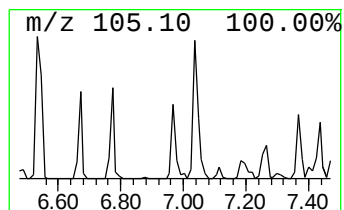
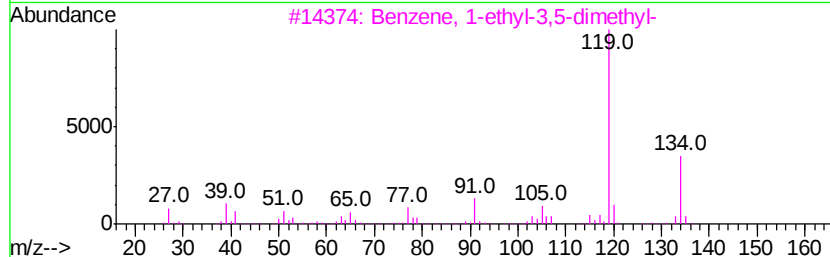
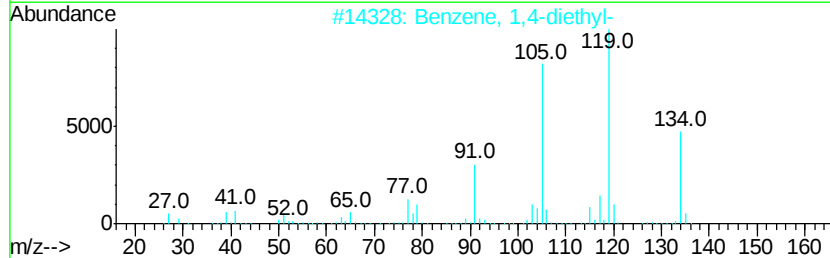
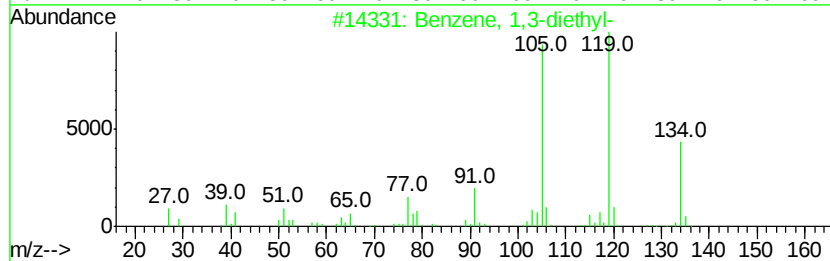
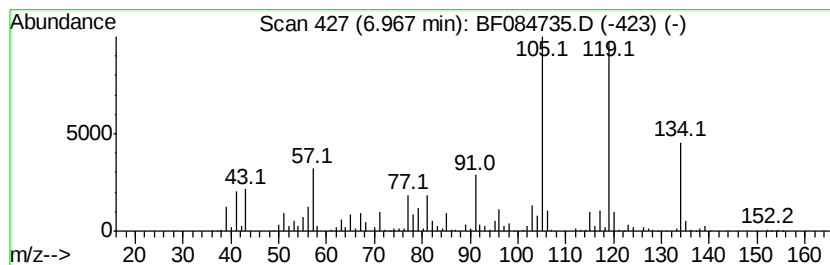
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	28.74 ng	2135660	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
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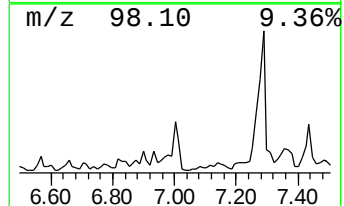
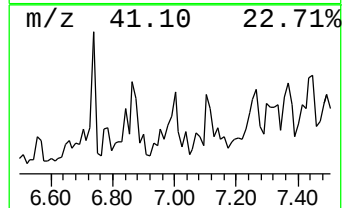
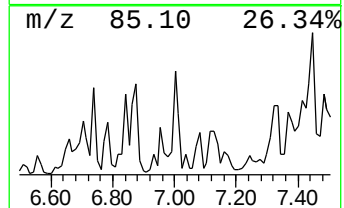
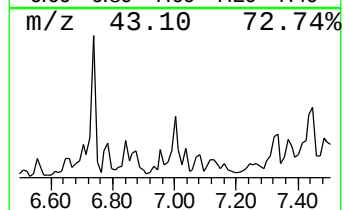
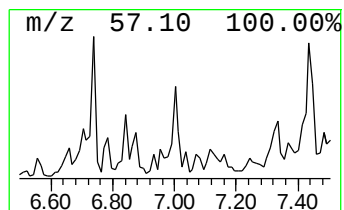
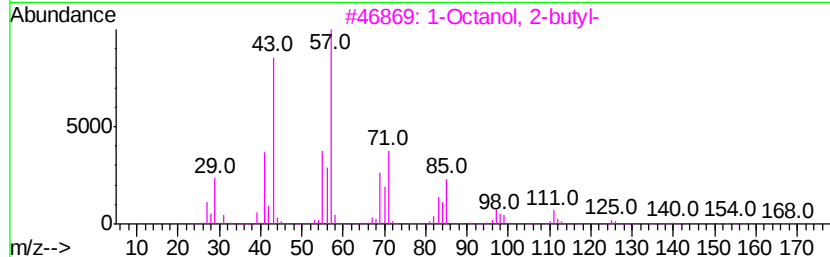
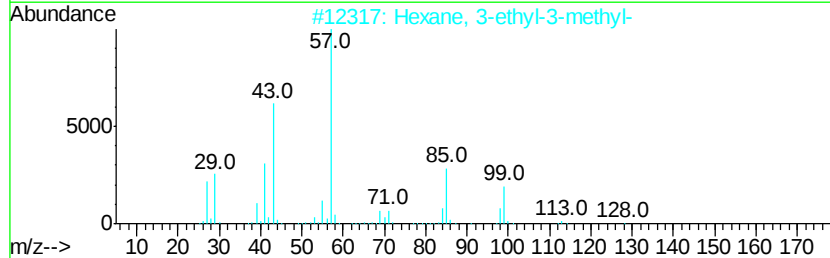
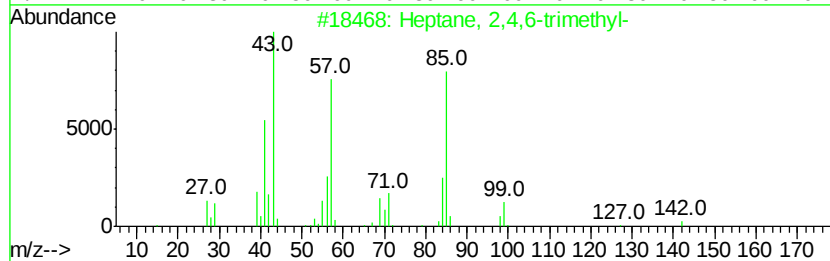
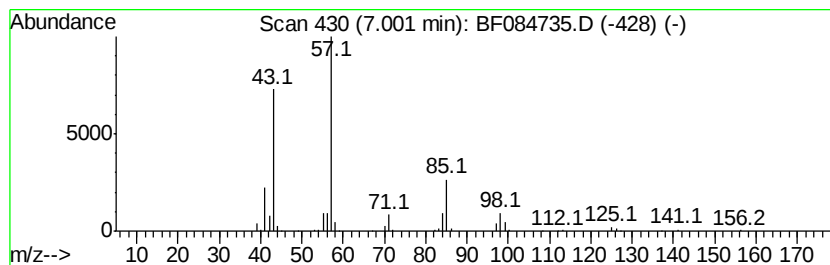
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.00 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	20.73 ng	1539860	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	47
2			Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	47
3			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	42
4			Tridecane, 6-methyl-	198	C14H30	013287-21-3	42
5			Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
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Misc :
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ClientSampleId :
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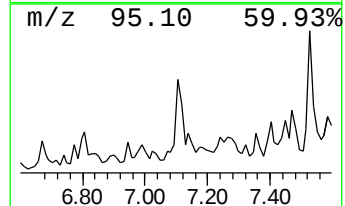
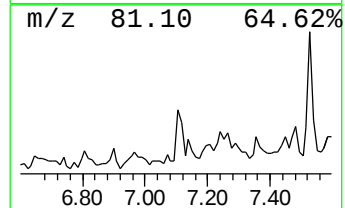
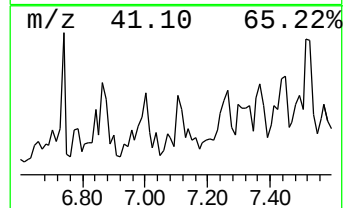
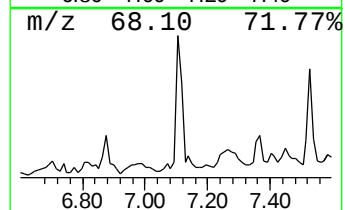
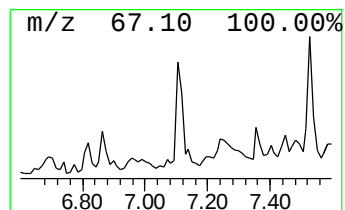
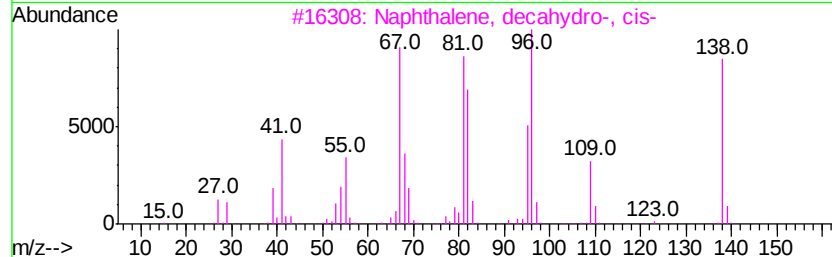
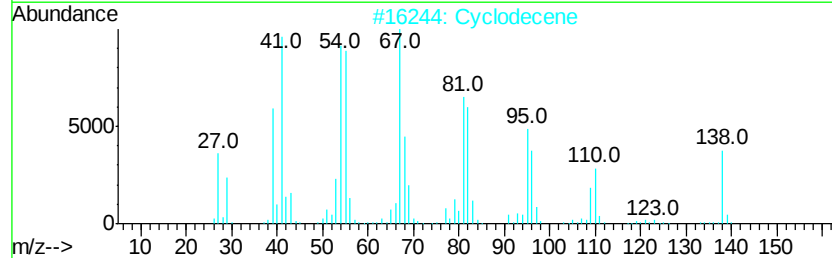
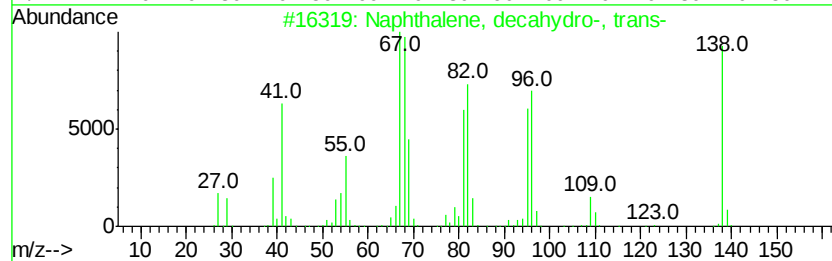
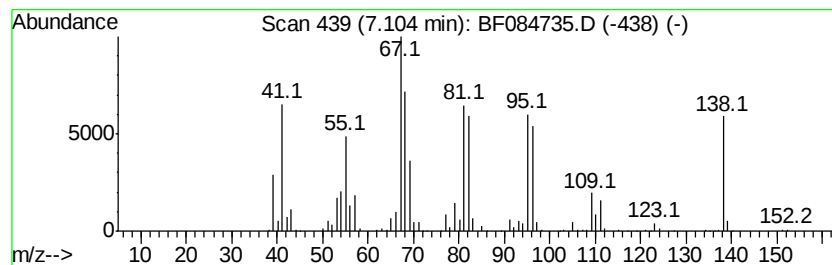
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, decahydro-, tr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	25.01 ng	1857950	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91
2		Cyclodecene	138	C10H18	003618-12-0	83
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	72
4		Spiro[4.5]decane	138	C10H18	000176-63-6	68
5		Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
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Misc :
ALS Vial : 33 Sample Multiplier: 1

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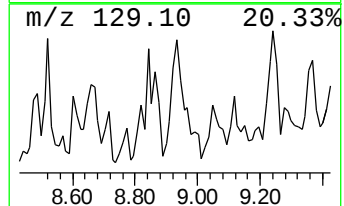
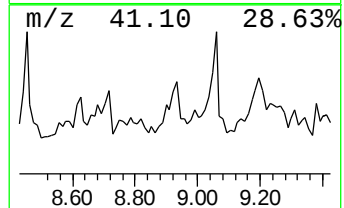
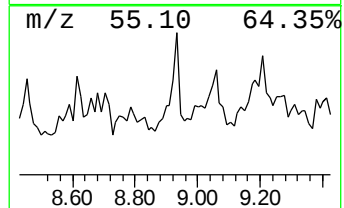
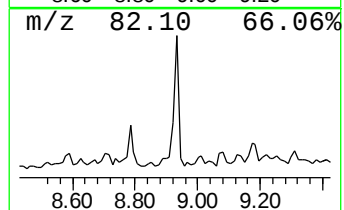
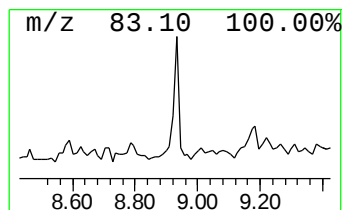
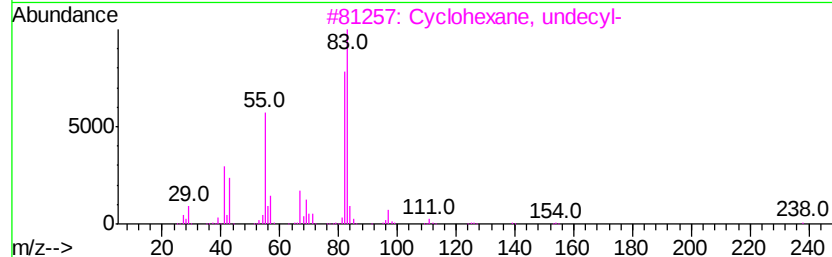
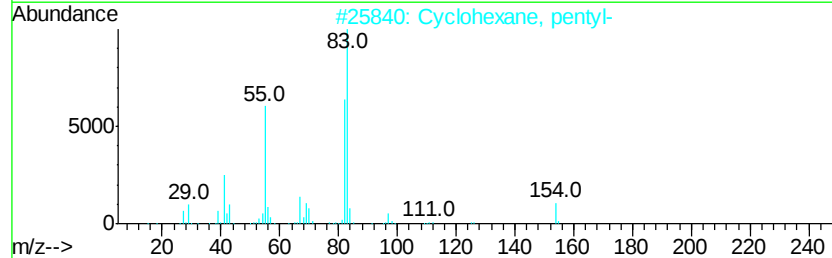
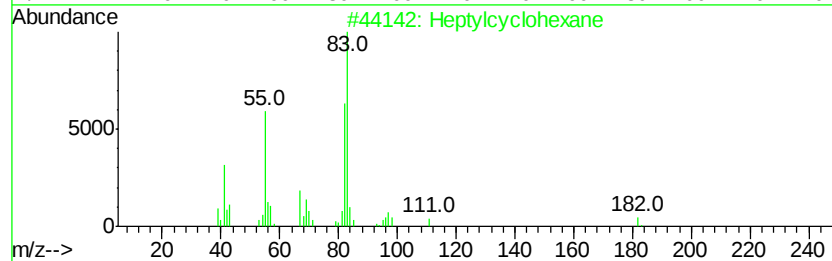
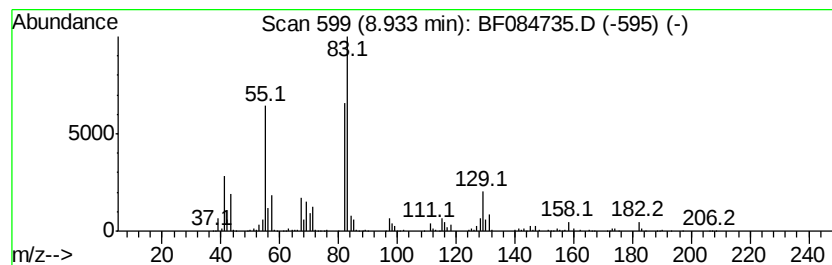
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heptylcyclohexane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	21.21 ng	5999410	Acenaphthene-d10	9.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptylcyclohexane	182	C13H26	005617-41-4	76
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	58
4		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	58
5		Cyclohexane, decyl-	224	C16H32	001795-16-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
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ClientSampleId :
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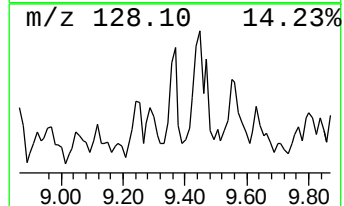
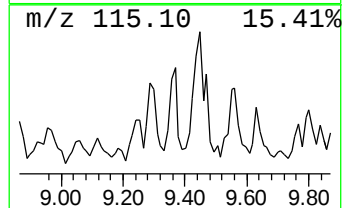
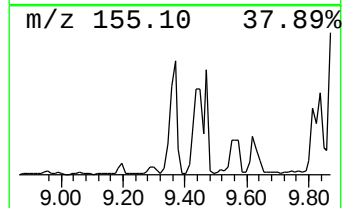
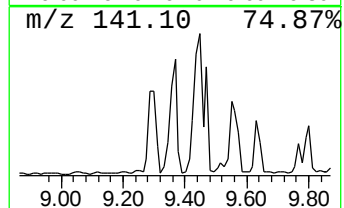
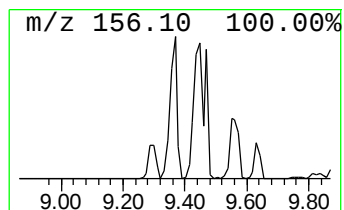
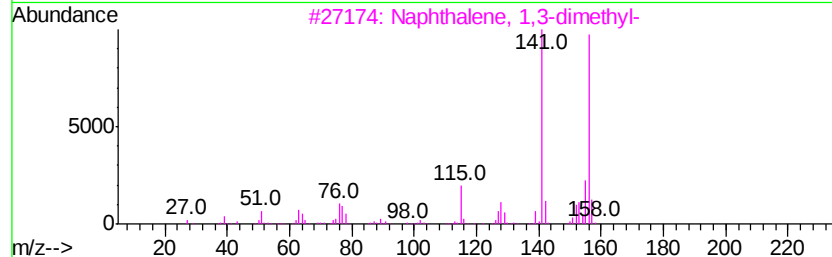
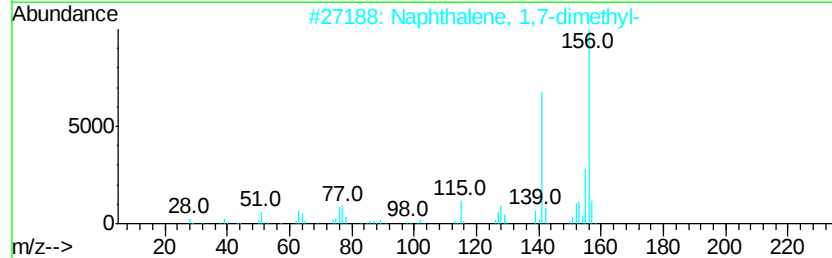
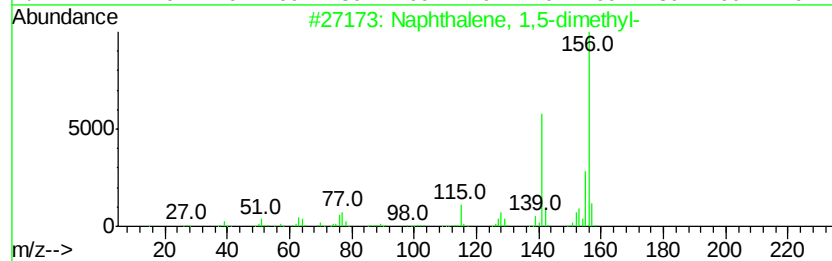
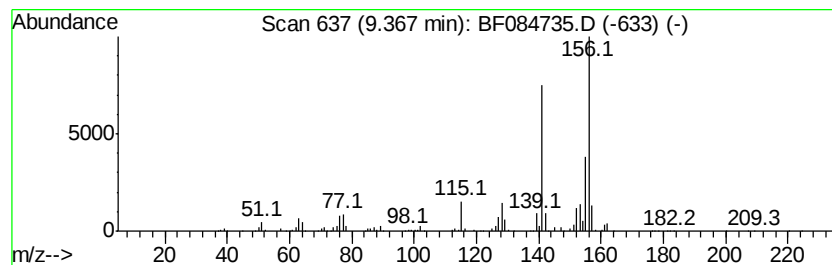
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	30.40 ng	8600350	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
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Acq On : 2 Feb 2016 3:18
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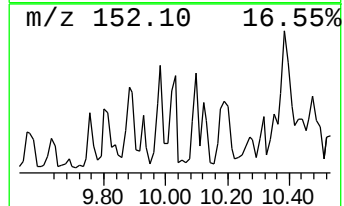
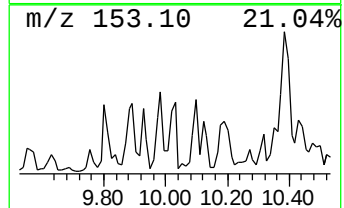
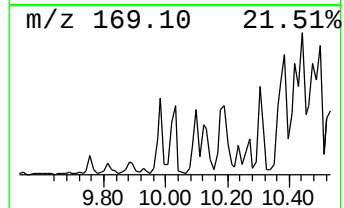
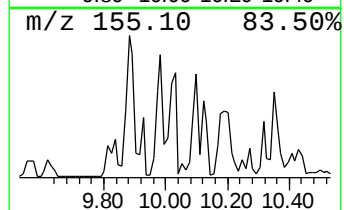
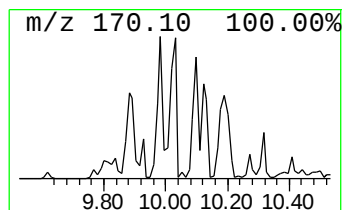
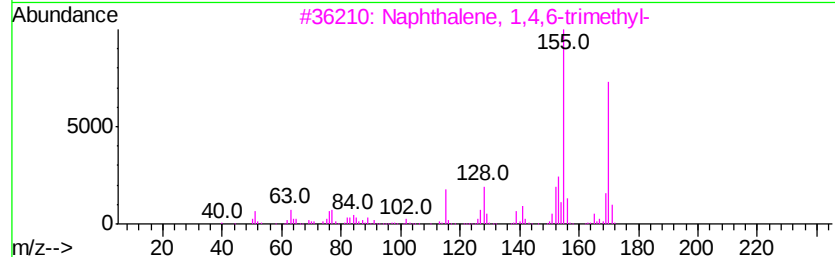
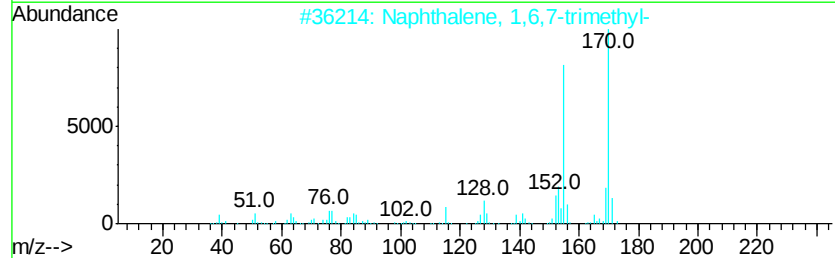
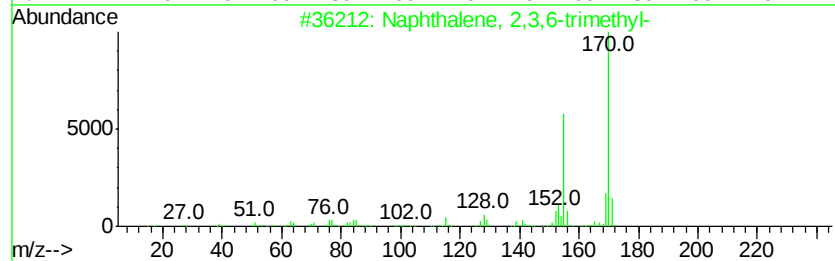
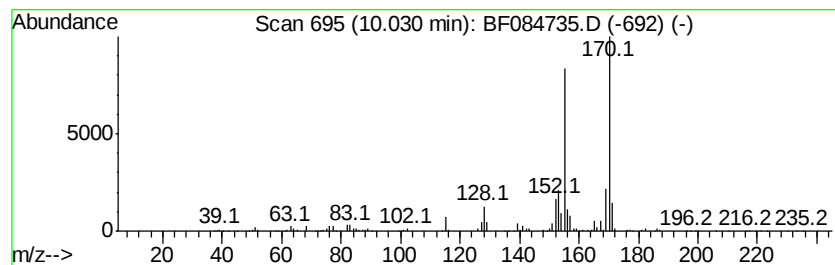
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	29.49 ng	8344500	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
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Acq On : 2 Feb 2016 3:18
Operator : SJ/IZ
Sample : H1306-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

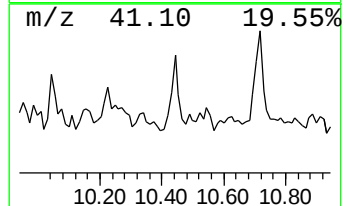
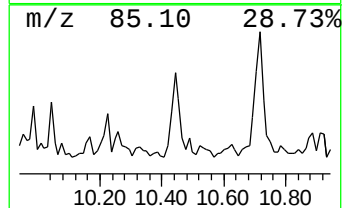
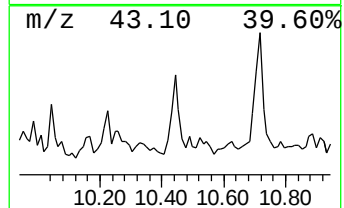
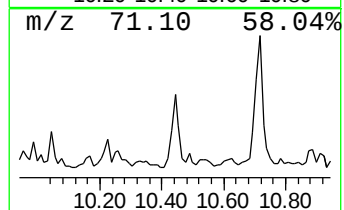
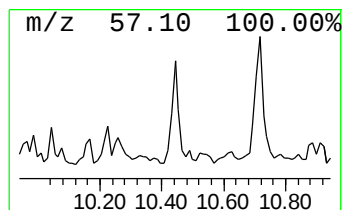
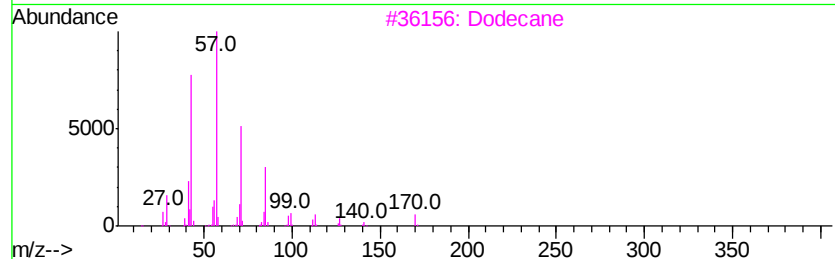
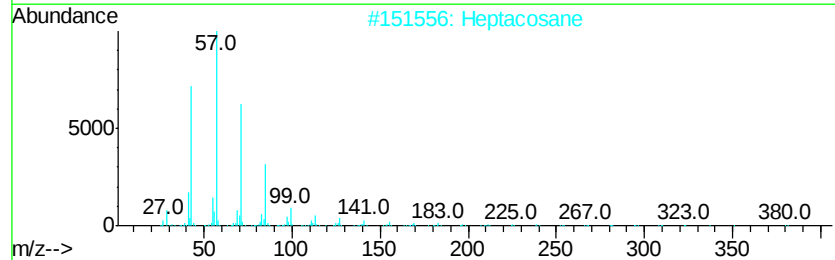
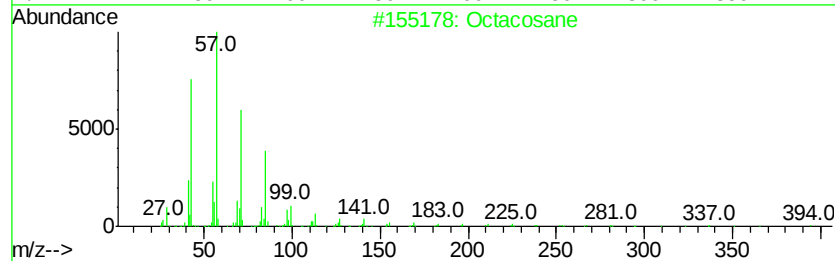
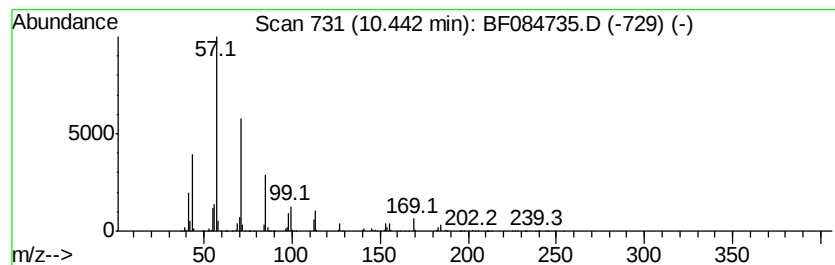
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	24.54 ng	6942850	Acenaphthene-d10	9.77
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octacosane	394 C28H58	000630-02-4	72
2	Heptacosane	380 C27H56	000593-49-7	72
3	Dodecane	170 C12H26	000112-40-3	72
4	Undecane, 4,6-dimethyl-	184 C13H28	017312-82-2	59
5	Hexadecane	226 C16H34	000544-76-3	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
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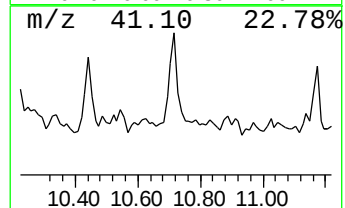
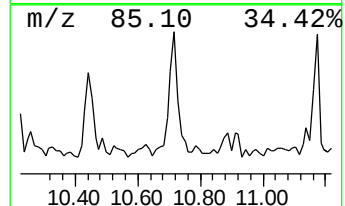
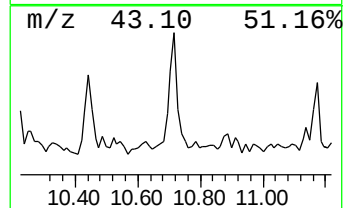
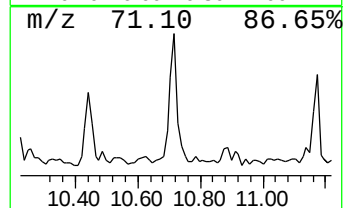
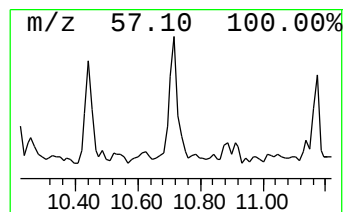
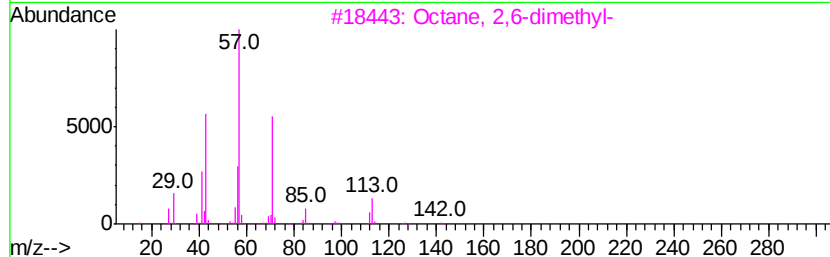
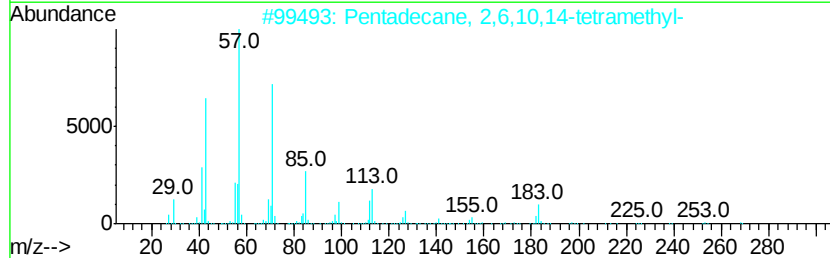
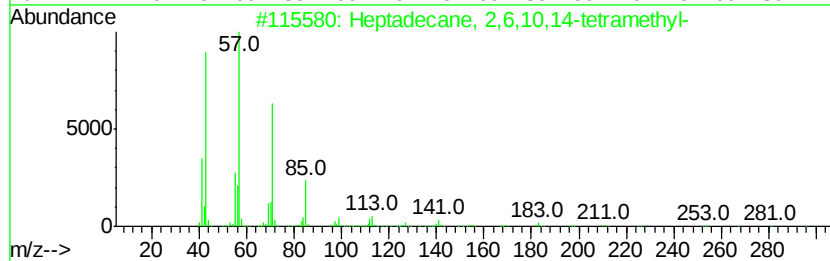
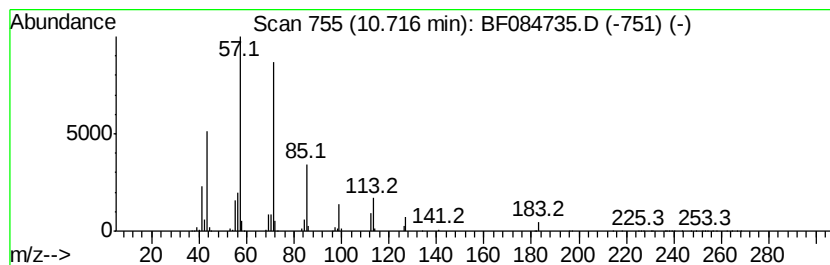
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	96.10 ng	12601000	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
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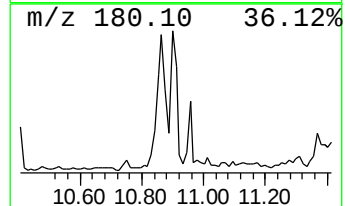
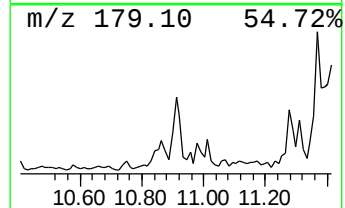
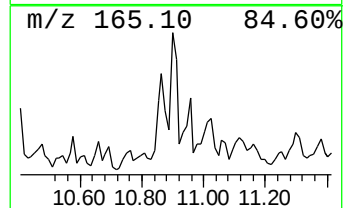
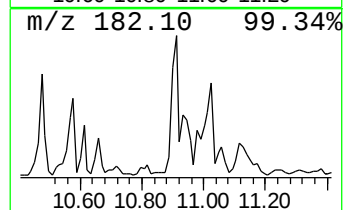
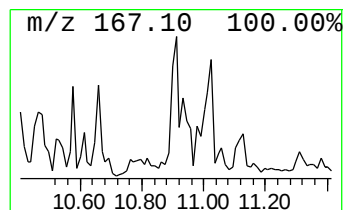
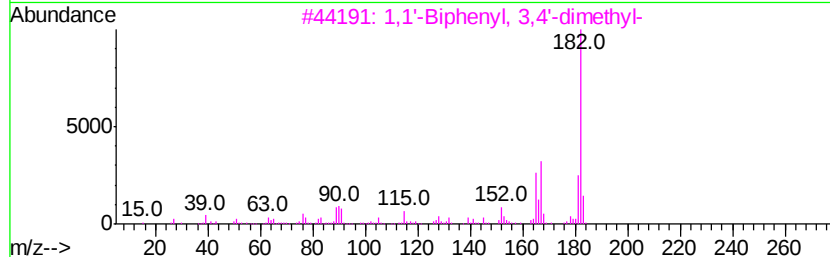
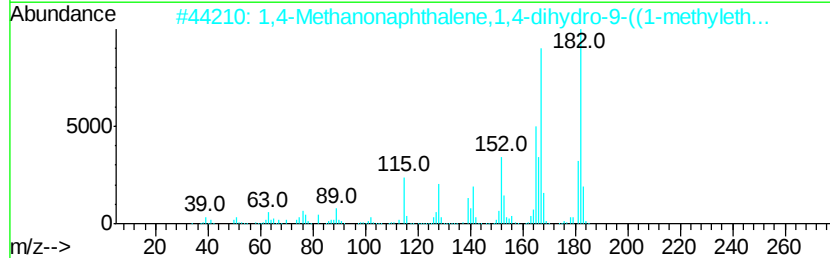
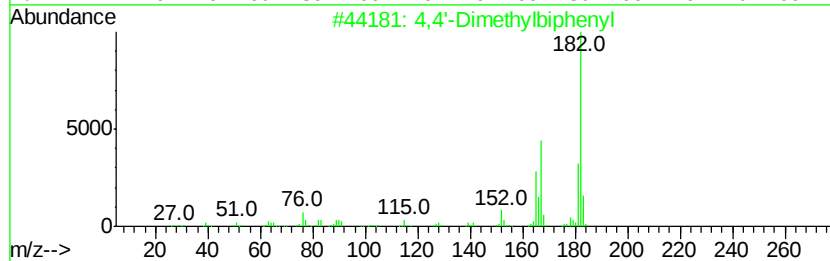
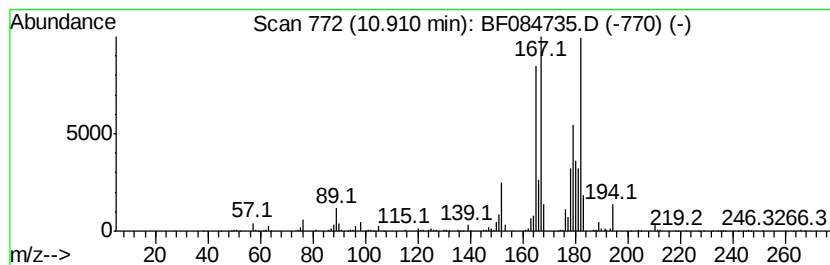
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4,4'-Dimethylbiphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	31.99 ng	4195040	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	76
2		1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	58
3		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	58
4		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	53
5		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
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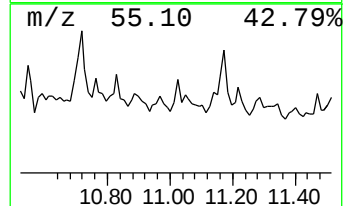
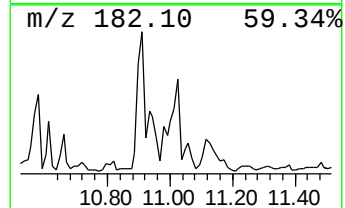
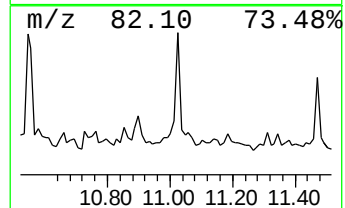
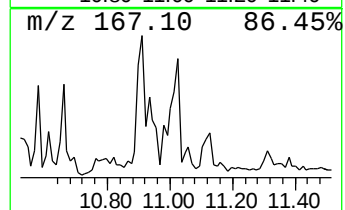
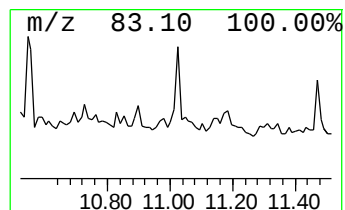
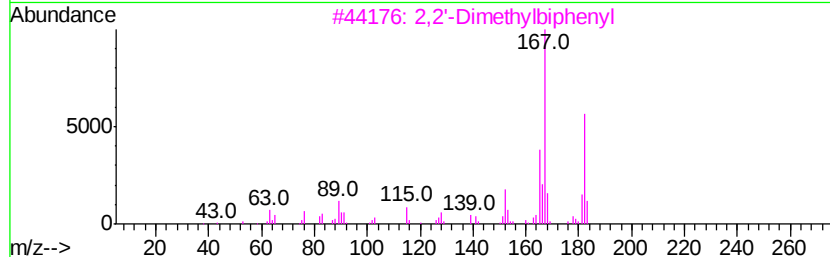
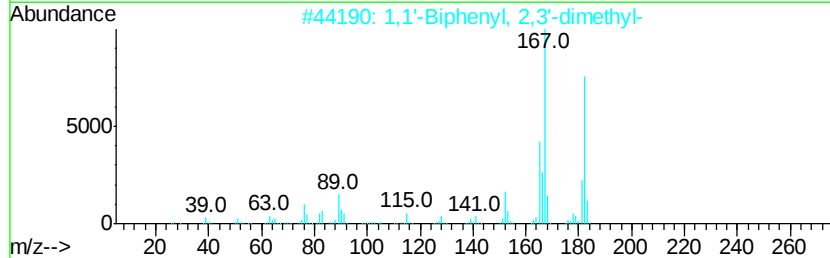
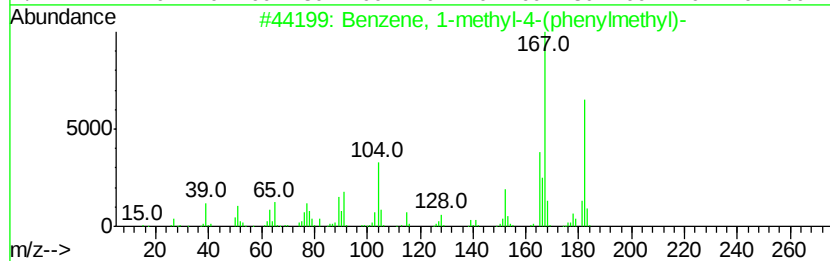
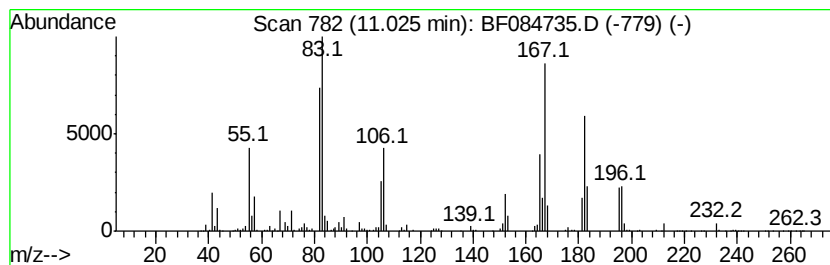
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown11.02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	24.36 ng	3194590	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	38
2		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	38
3		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	38
4		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	38
5		Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
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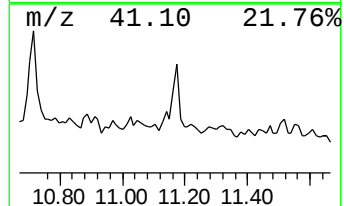
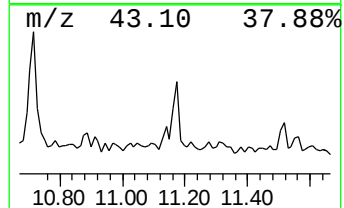
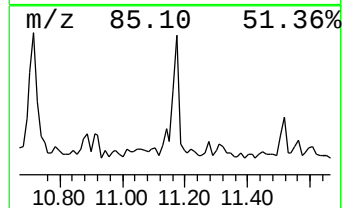
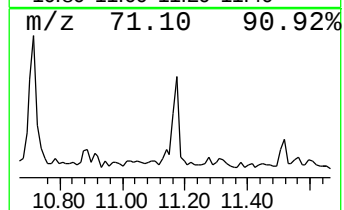
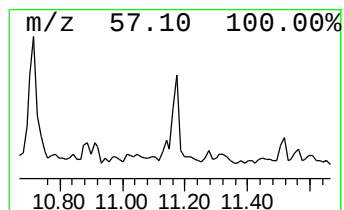
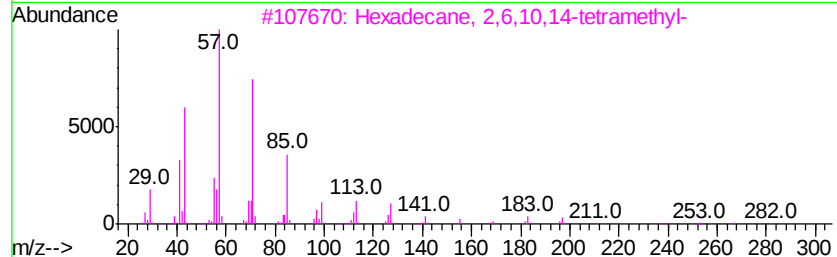
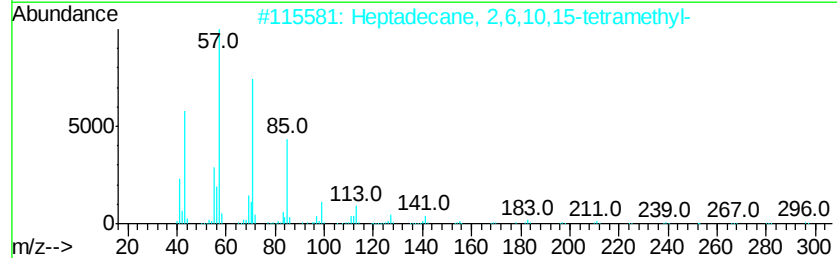
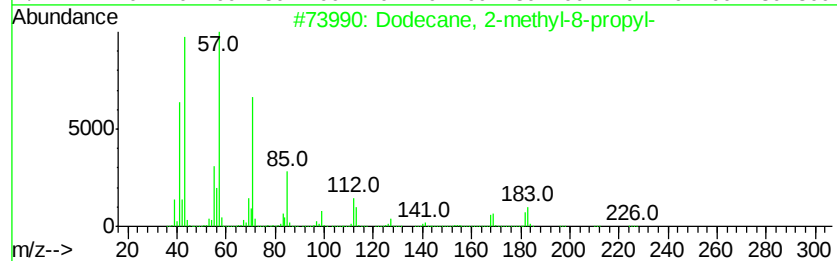
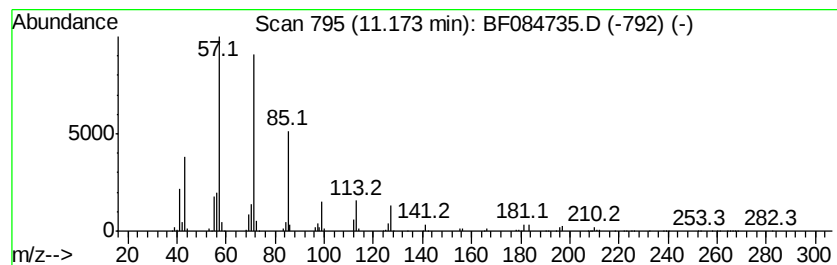
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dodecane, 2-methyl-8-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	71.50 ng	9375780	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	87
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
4		Tetradecane	198	C14H30	000629-59-4	78
5		Decane, 3-methyl-	156	C11H24	013151-34-3	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
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Acq On : 2 Feb 2016 3:18
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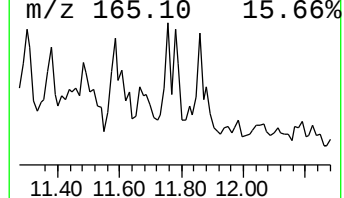
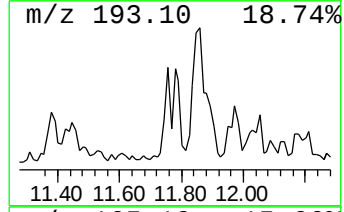
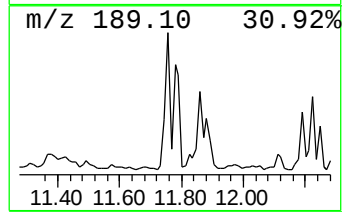
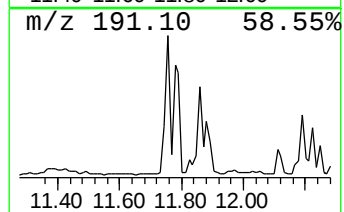
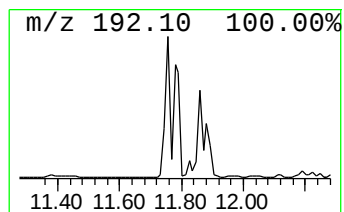
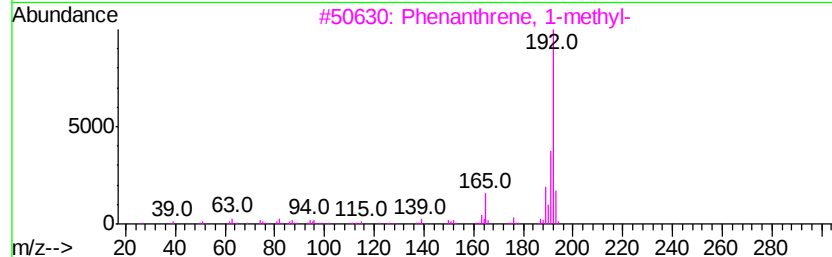
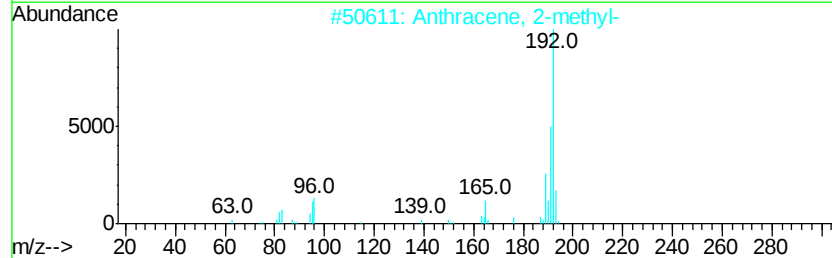
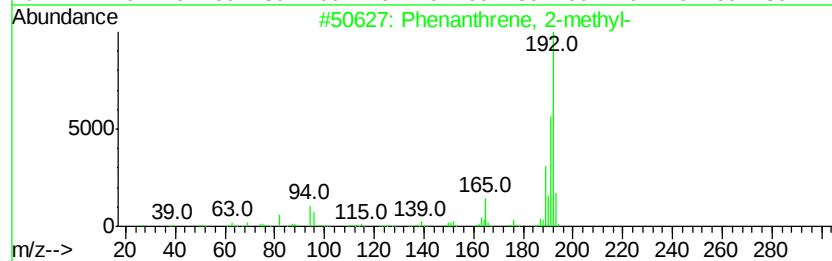
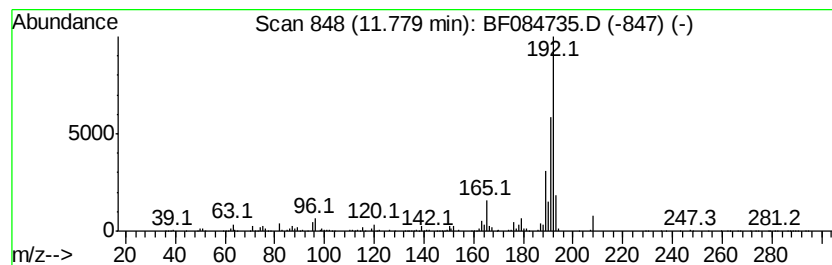
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	22.53 ng	2954540	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		5H-Dibenzofa,dlcycloheptene	192	C15H12	000256-81-5	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
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ALS Vial : 33 Sample Multiplier: 1

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ClientSampleId :
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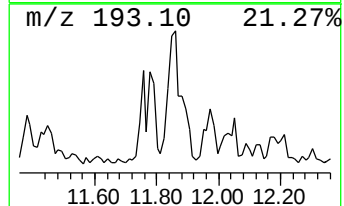
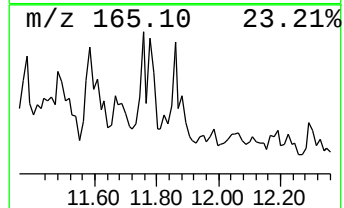
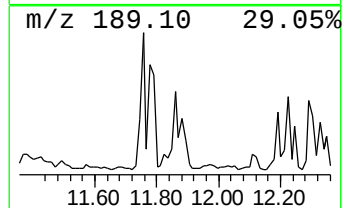
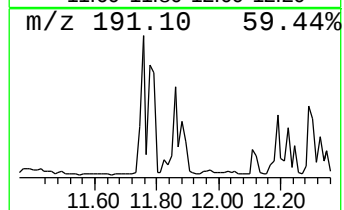
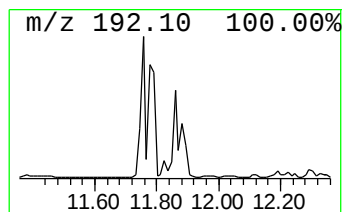
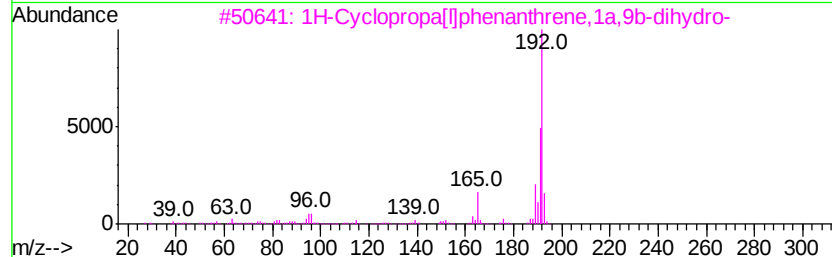
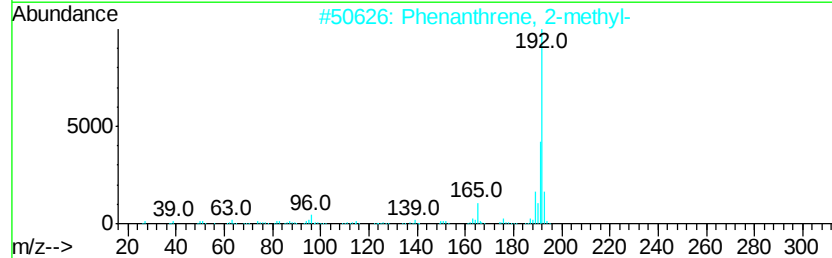
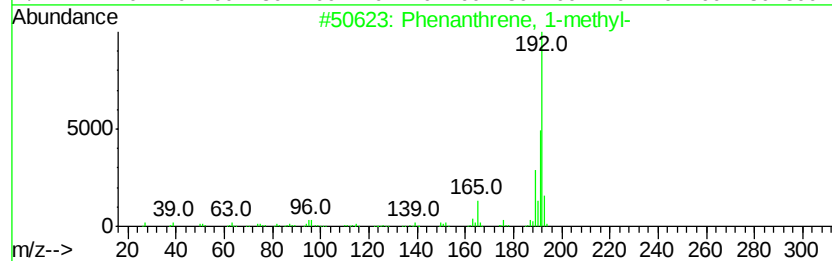
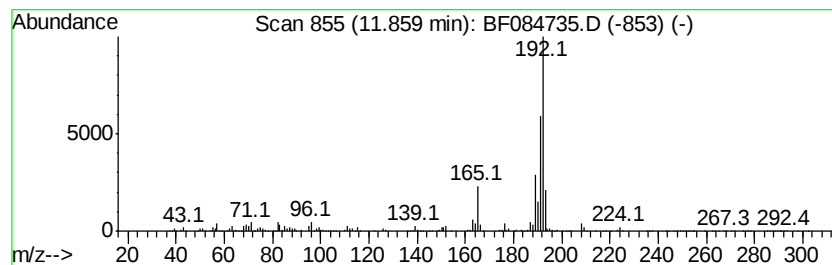
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	46.78 ng	6134670	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4		Naphtho[2,3-b]norborene	192	C15H12	107426-38-0	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
Operator : SJ/IZ
Sample : H1306-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

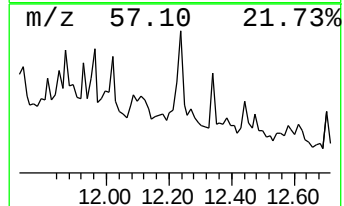
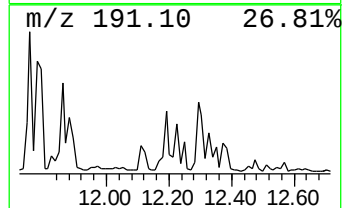
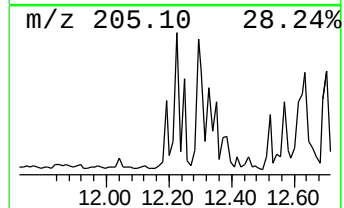
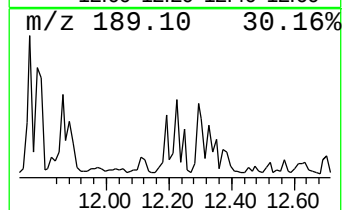
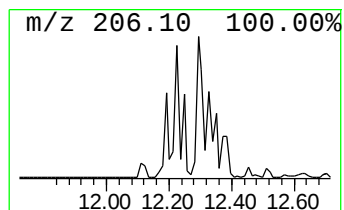
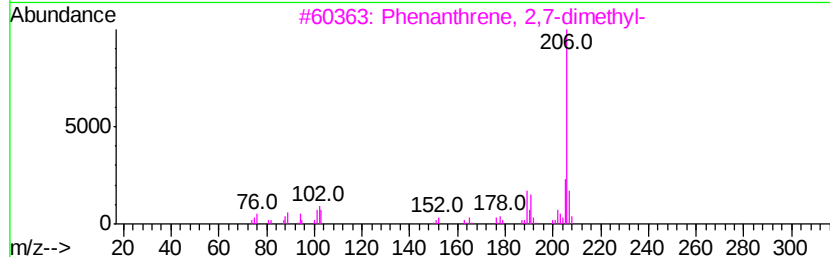
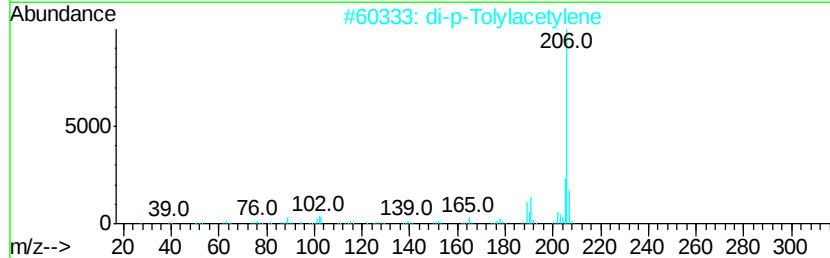
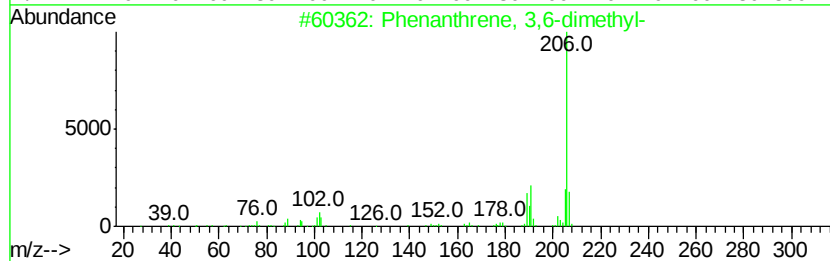
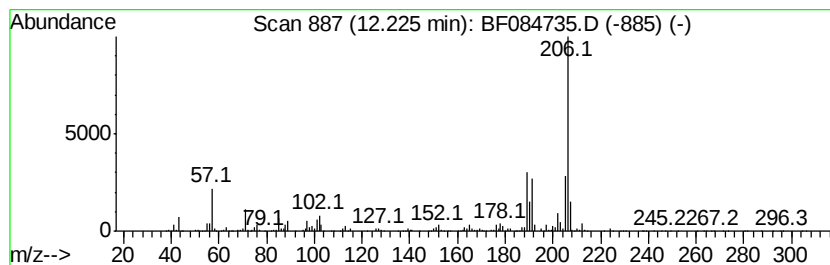
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.22	28.47 ng	3732550	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylne	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
Operator : SJ/IZ
Sample : H1306-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

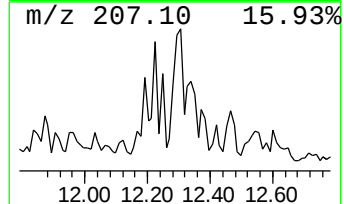
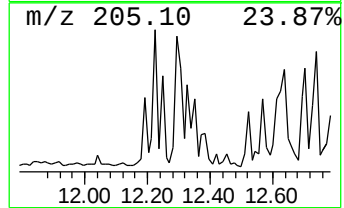
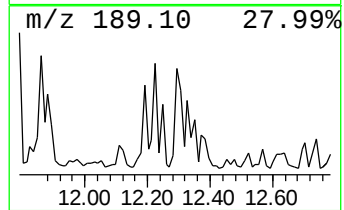
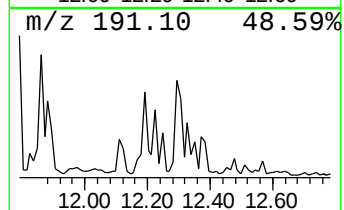
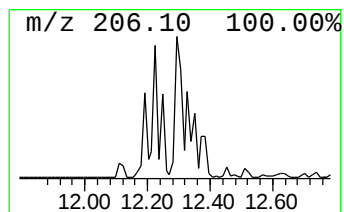
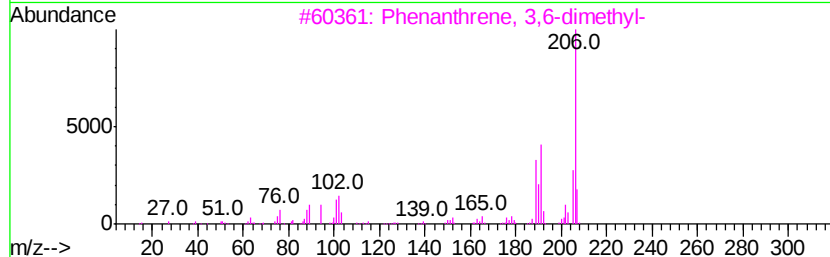
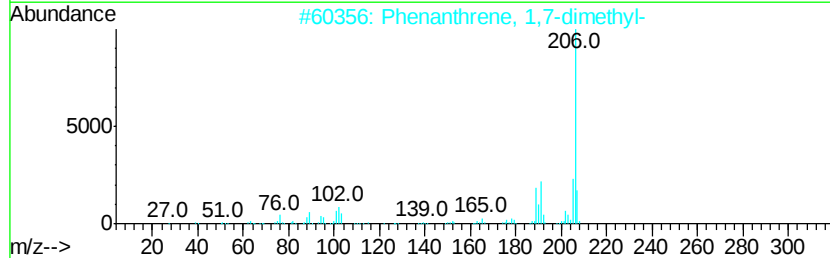
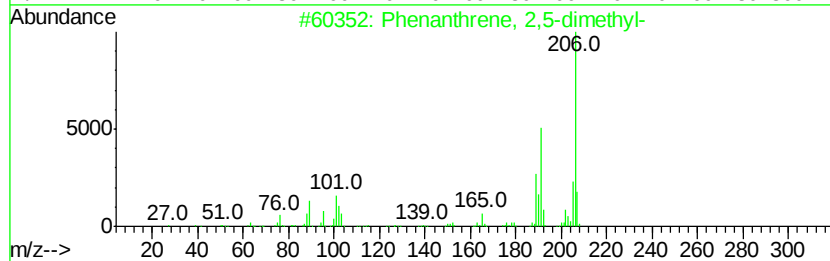
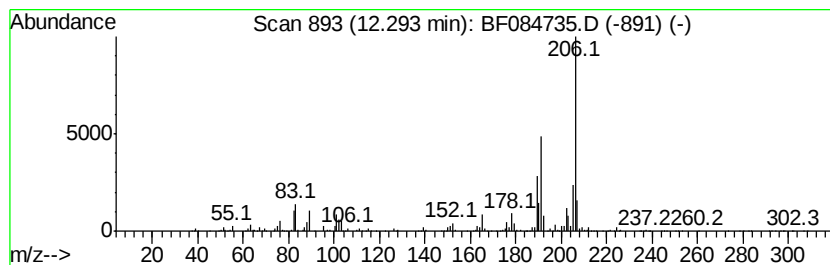
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	20.87 ng	2735960	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
 Data File : BF084735.D
 Acq On : 2 Feb 2016 3:18
 Operator : SJ/IZ
 Sample : H1306-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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
2-Pentanone, 4-hy...	4.88	60.1	ng	4464120	1	6.72	1485950	20.0
unknown5.95	5.95	25.2	ng	1875570	1	6.72	1485950	20.0
Nonane, 4-methyl-	6.21	22.4	ng	1661530	1	6.72	1485950	20.0
unknown6.49	6.49	60.0	ng	4453840	1	6.72	1485950	20.0
Benzene, 1,3-diet...	6.97	28.7	ng	2135660	1	6.72	1485950	20.0
unknown7.00	7.00	20.7	ng	1539860	1	6.72	1485950	20.0
Naphthalene, deca...	7.10	25.0	ng	1857950	1	6.72	1485950	20.0
Heptylcyclohexane	8.93	21.2	ng	5999410	3	9.77	5658500	20.0
Naphthalene, 1,5-...	9.37	30.4	ng	8600350	3	9.77	5658500	20.0
Naphthalene, 2,3,...	10.03	29.5	ng	8344500	3	9.77	5658500	20.0
Octacosane	10.44	24.5	ng	6942850	3	9.77	5658500	20.0
Heptadecane, 2,6,...	10.72	96.1	ng	12601000	4	11.25	2622520	20.0
4,4'-Dimethylbiph...	10.91	32.0	ng	4195040	4	11.25	2622520	20.0
unknown11.02	11.02	24.4	ng	3194590	4	11.25	2622520	20.0
Dodecane, 2-methy...	11.17	71.5	ng	9375780	4	11.25	2622520	20.0
Phenanthrene, 2-m...	11.78	22.5	ng	2954540	4	11.25	2622520	20.0
Phenanthrene, 1-m...	11.86	46.8	ng	6134670	4	11.25	2622520	20.0
Phenanthrene, 3,6...	12.22	28.5	ng	3732550	4	11.25	2622520	20.0
Phenanthrene, 2,5...	12.29	20.9	ng	2735960	4	11.25	2622520	20.0