

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
 Data File : BF089927.D
 Acq On : 27 Aug 2016 00:21
 Operator : UM/SJ
 Sample : H4576-09 50X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-(3-5)

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-BF081916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.758	13	15	68	rVB	6334101	22447475	100.00%	5.657%
2	5.176	312	314	315	rBV	1347687	1438857	6.41%	0.363%
3	5.542	343	346	348	rVB	2143813	2097551	9.34%	0.529%
4	5.793	365	368	370	rVB2	767605	1254348	5.59%	0.316%
5	5.896	375	377	380	rVB3	1828012	2798631	12.47%	0.705%
6	6.102	390	395	397	rBV2	988300	1864999	8.31%	0.470%
7	6.170	397	401	402	rBV2	3296763	4752936	21.17%	1.198%
8	6.193	402	403	406	rVB2	1987207	2552613	11.37%	0.643%
9	6.250	406	408	411	rBV	3047717	3025385	13.48%	0.762%
10	6.330	411	415	418	rVB3	1347635	2553248	11.37%	0.643%
11	6.399	418	421	425	rBV2	1034292	3010394	13.41%	0.759%
12	6.479	425	428	429	rBV	4665755	4315819	19.23%	1.088%
13	6.502	429	430	432	rVB2	3617631	4494395	20.02%	1.133%
14	6.616	436	440	441	rBV3	916131	1790369	7.98%	0.451%
15	6.650	441	443	445	rBV2	2292965	2005573	8.93%	0.505%
16	6.685	445	446	447	rBV	3232277	2599603	11.58%	0.655%
17	6.719	447	449	454	rVB2	1264359	2456966	10.95%	0.619%
18	6.810	454	457	462	rVB3	2386901	6051748	26.96%	1.525%
19	6.936	462	468	471	rBV4	2496363	7582410	33.78%	1.911%
20	6.982	471	472	474	rBV	4301683	3905134	17.40%	0.984%
21	7.016	474	475	477	rVB	2684572	2142566	9.54%	0.540%
22	7.062	477	479	484	rBV2	3387431	4824923	21.49%	1.216%
23	7.153	484	487	488	rBV	2031282	2954393	13.16%	0.744%
24	7.199	488	491	496	rBV3	3250392	6247558	27.83%	1.574%
25	7.279	496	498	499	rVB	4176751	3527710	15.72%	0.889%
26	7.313	499	501	503	rVB3	2417269	3740955	16.67%	0.943%
27	7.347	503	504	506	rBV2	1134680	1663333	7.41%	0.419%
28	7.382	506	507	509	rVB	1807392	2341073	10.43%	0.590%
29	7.439	509	512	513	rBV2	2095908	2427618	10.81%	0.612%
30	7.462	513	514	517	rVB2	4500726	4894453	21.80%	1.233%
31	7.530	517	520	521	rBV3	685587	1299873	5.79%	0.328%
32	7.576	521	524	526	rBV3	3011912	5883942	26.21%	1.483%
33	7.645	529	530	532	rBV	1249869	1833198	8.17%	0.462%
34	7.679	532	533	535	rVB2	4235224	5156532	22.97%	1.299%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.725	535	537	539	rVB2	3309216	4379426	19.51%	1.104%
36	7.759	539	540	544	rVB3	3485732	6593497	29.37%	1.662%
37	7.828	544	546	547	rBV	1318692	1905514	8.49%	0.480%
38	7.942	550	556	560	rBV4	6266881	19525934	86.98%	4.920%
39	7.999	560	561	562	rVB	1896760	1301177	5.80%	0.328%
40	8.033	562	564	567	rVB2	4225126	5317180	23.69%	1.340%
41	8.136	569	573	577	rBV4	2069368	7137920	31.80%	1.799%
42	8.250	579	583	584	rBV4	2671617	4463029	19.88%	1.125%
43	8.285	584	586	587	rVB2	1366411	1762643	7.85%	0.444%
44	8.308	587	588	589	rBV	2022261	2208494	9.84%	0.557%
45	8.342	589	591	594	rVB4	1729868	2878213	12.82%	0.725%
46	8.399	594	596	599	rBV2	4372372	7293879	32.49%	1.838%
47	8.456	599	601	603	rBV2	3748199	3747503	16.69%	0.944%
48	8.502	603	605	607	rVB3	1259782	1858543	8.28%	0.468%
49	8.559	609	610	612	rBV2	2633827	2806257	12.50%	0.707%
50	8.605	612	614	616	rVB3	1965009	2950773	13.15%	0.744%
51	8.662	616	619	621	rVB	5611160	9018527	40.18%	2.273%
52	8.719	621	624	625	rBV3	975677	1974159	8.79%	0.497%
53	8.765	625	628	633	rVB3	4597447	9704622	43.23%	2.445%
54	8.868	633	637	638	rBV4	1972180	4454952	19.85%	1.123%
55	8.890	638	639	644	rVB5	2266278	4933689	21.98%	1.243%
56	8.993	644	648	651	rVB4	4656285	8095197	36.06%	2.040%
57	9.062	651	654	655	rBV3	725128	1603299	7.14%	0.404%
58	9.119	655	659	662	rBV4	2941715	7068080	31.49%	1.781%
59	9.176	662	664	665	rBV	1874426	1716788	7.65%	0.433%
60	9.222	665	668	671	rVB	2826515	4972294	22.15%	1.253%
61	9.291	671	674	677	rBV3	4330975	7759238	34.57%	1.955%
62	9.371	677	681	682	rBV	5193315	9528633	42.45%	2.401%
63	9.451	686	688	689	rBV	2073733	2884526	12.85%	0.727%
64	9.553	696	697	701	rVB3	1646148	2028828	9.04%	0.511%
65	9.656	704	706	707	rBV	2501483	2823935	12.58%	0.712%
66	9.691	707	709	711	rBV3	3186252	5374399	23.94%	1.354%
67	9.805	717	719	721	rBV	2937247	4194155	18.68%	1.057%
68	9.908	724	728	729	rBV	3810256	6424797	28.62%	1.619%
69	9.942	729	731	732	rVB	2754584	2236370	9.96%	0.564%
70	9.976	732	734	736	rVB2	2377339	2540435	11.32%	0.640%
71	10.022	736	738	739	rBV	2428314	3971979	17.69%	1.001%

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72	10.045	739	740	741	rVB	3306287	2268113	10.10%	0.572%
73	10.102	741	745	746	rBV3	2464584	4658823	20.75%	1.174%
74	10.193	751	753	755	rVV3	1258478	1981413	8.83%	0.499%
75	10.239	755	757	758	rVB	1988734	1925774	8.58%	0.485%
76	10.274	758	760	761	rBV2	1886215	3005477	13.39%	0.757%
77	10.308	761	763	766	rVV2	2801200	4435546	19.76%	1.118%
78	10.365	766	768	771	rVV2	3132769	6577175	29.30%	1.657%
79	10.479	774	778	780	rVB5	1861649	4403297	19.62%	1.110%
80	10.525	780	782	785	rBV4	1363170	2737533	12.20%	0.690%
81	10.639	788	792	794	rVV2	3984818	6826900	30.41%	1.720%
82	10.685	794	796	797	rVB	1400062	1261020	5.62%	0.318%
83	10.811	806	807	809	rBV2	2243617	3323640	14.81%	0.838%
84	10.936	816	818	821	rVB2	1600891	2236171	9.96%	0.563%
85	11.028	825	826	828	rBV2	925991	1231804	5.49%	0.310%
86	11.096	830	832	835	rVB2	3815293	4862915	21.66%	1.225%
87	11.165	836	838	839	rBV	1767337	1478116	6.58%	0.372%
88	11.188	839	840	847	rVB	1646235	2935846	13.08%	0.740%
89	11.279	847	848	850	rBV	917252	1507280	6.71%	0.380%
90	11.439	860	862	865	rVB3	1378893	1806174	8.05%	0.455%
91	11.485	865	866	868	rBV2	1475455	2172765	9.68%	0.548%
92	11.531	868	870	873	rVB3	1136814	2122738	9.46%	0.535%
93	11.576	873	874	878	rVB3	797780	1199138	5.34%	0.302%
94	11.668	880	882	883	rVV	2202307	2275958	10.14%	0.574%
95	11.702	883	885	887	rVB	2219422	2945039	13.12%	0.742%
96	11.771	887	891	898	rVB4	1856789	6599722	29.40%	1.663%
97	12.114	918	921	922	rBV2	955558	1581584	7.05%	0.399%
98	12.217	927	930	931	rBV	2375213	2751809	12.26%	0.693%
99	13.771	1064	1066	1069	rVB	1754800	2380664	10.61%	0.600%
100	15.131	1182	1185	1187	rBV	1631809	1971930	8.78%	0.497%

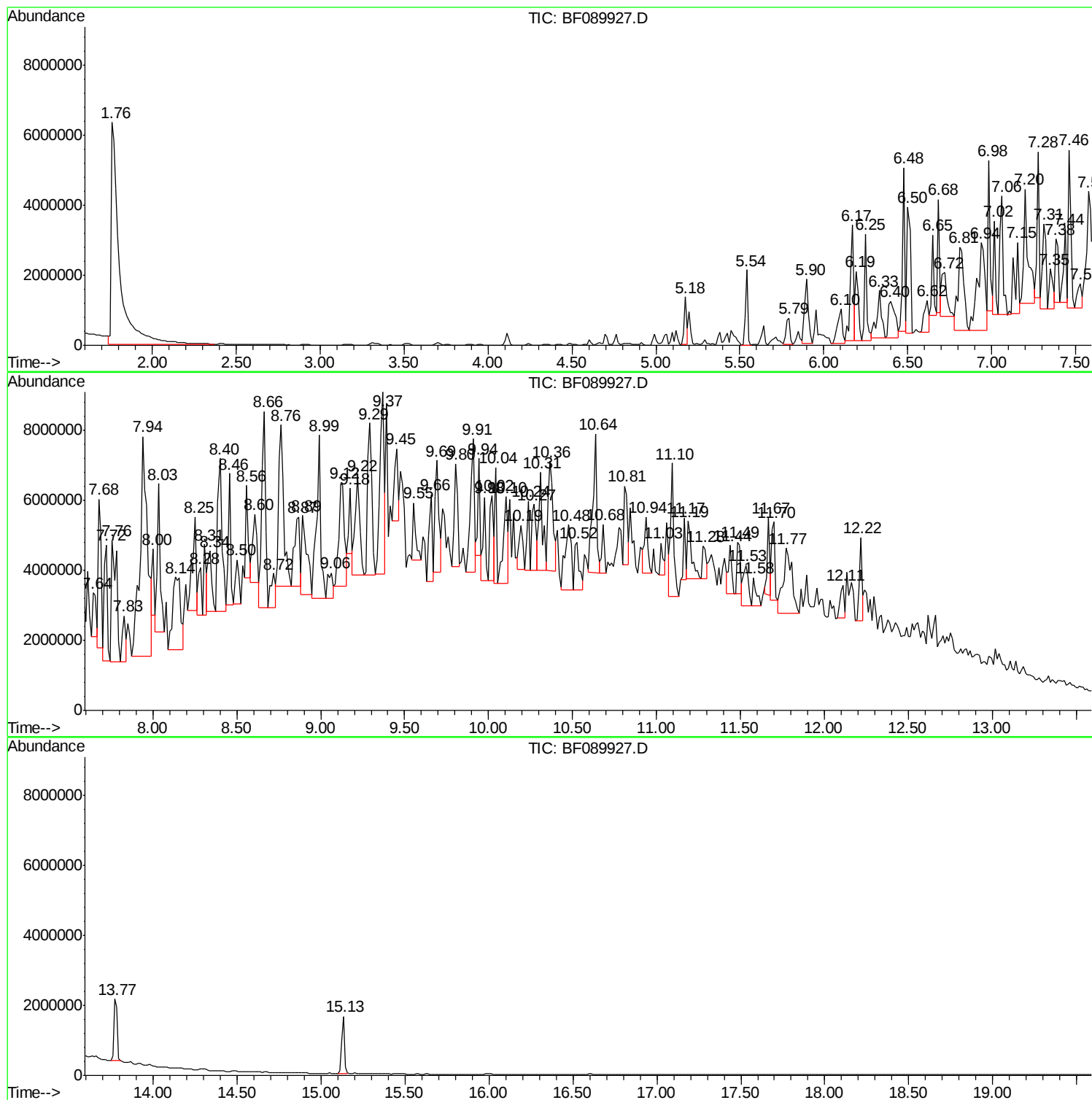
Sum of corrected areas: 396839829

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Instrument :
BNA_F
ClientSampled :
SB-21A-(3-5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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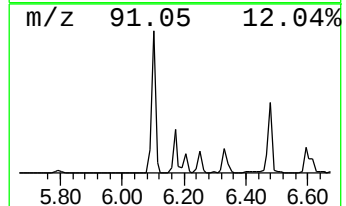
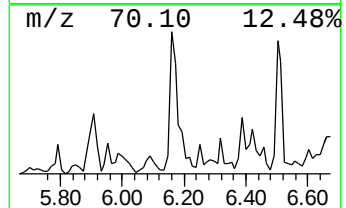
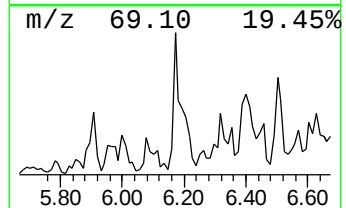
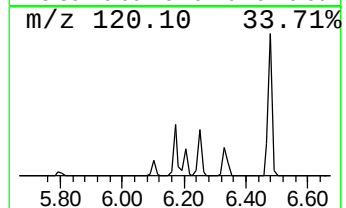
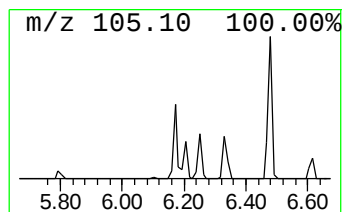
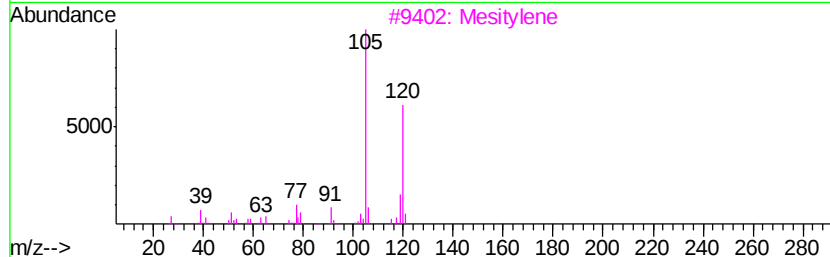
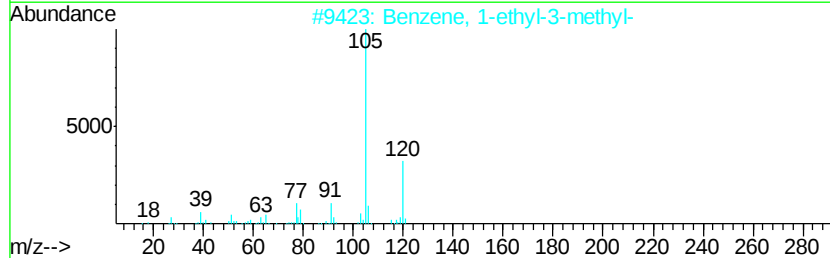
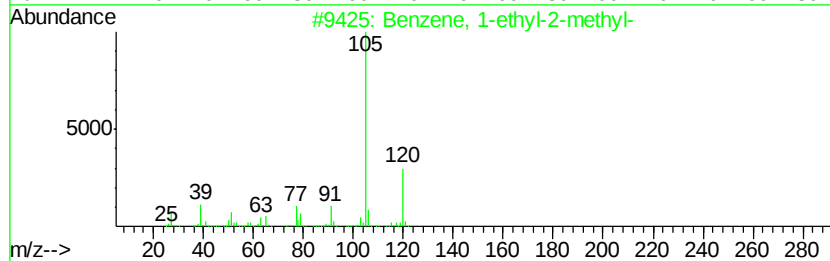
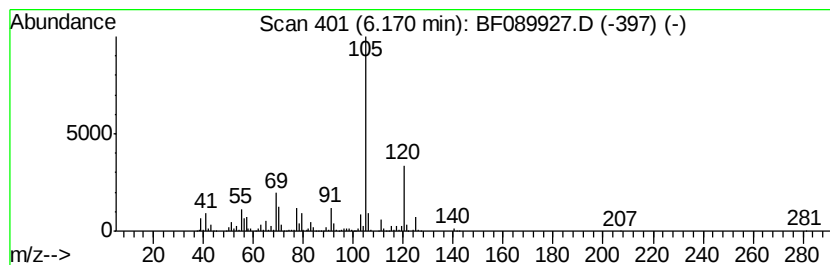
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	47.40 ng	4752940	1,4-Dichlorobenzene-d4	6.65

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Mesitylene	120	C9H12	000108-67-8	90
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87



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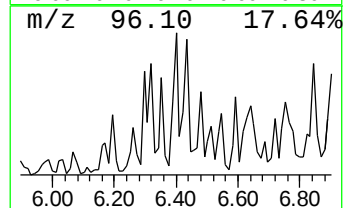
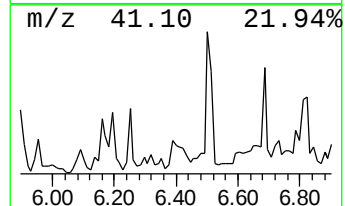
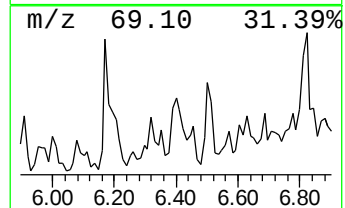
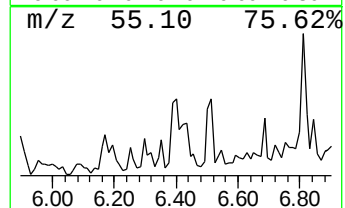
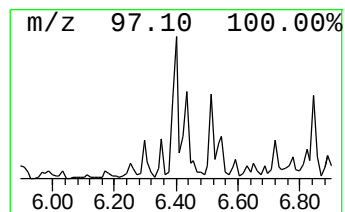
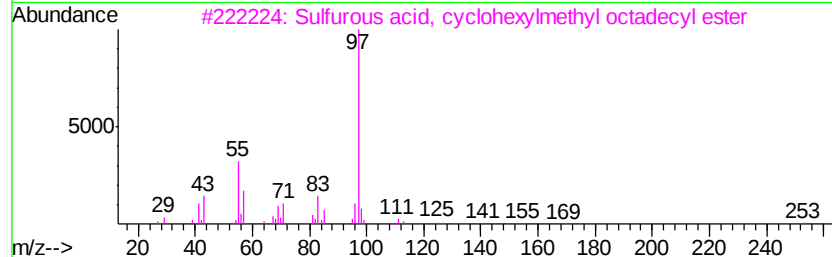
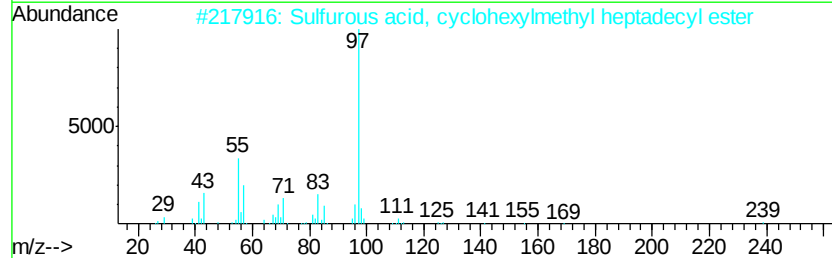
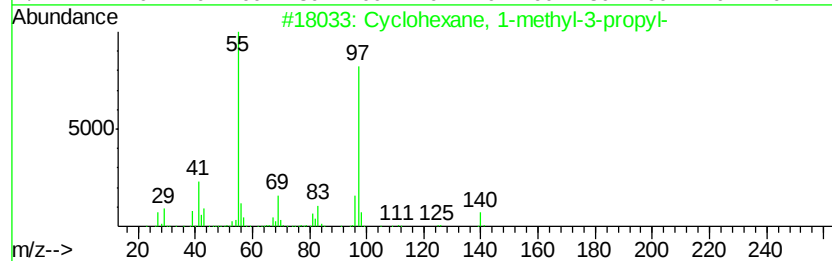
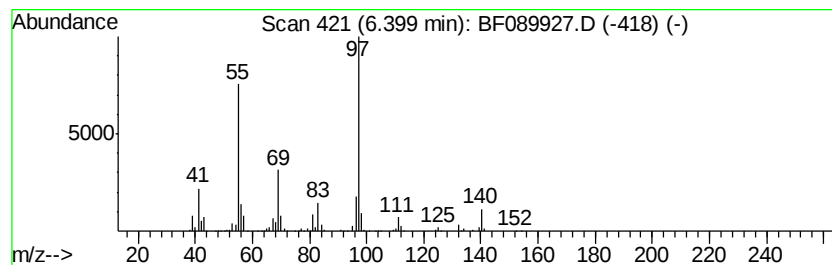
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1-methyl-3-pro... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	30.02 ng	3010390	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	87
2		Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	86
3		Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	78
4		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	64
5		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64



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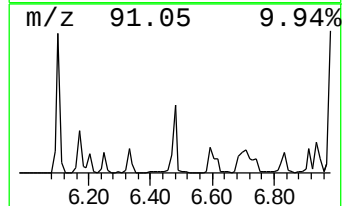
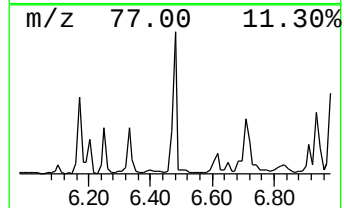
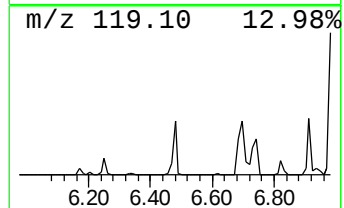
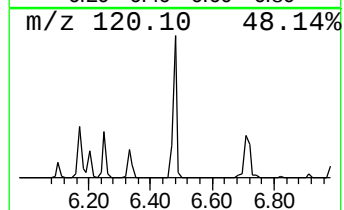
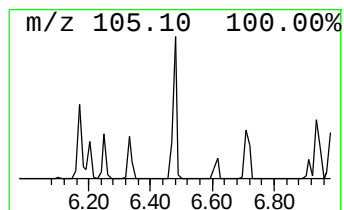
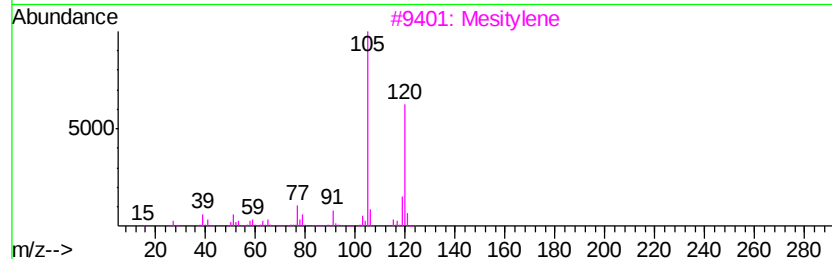
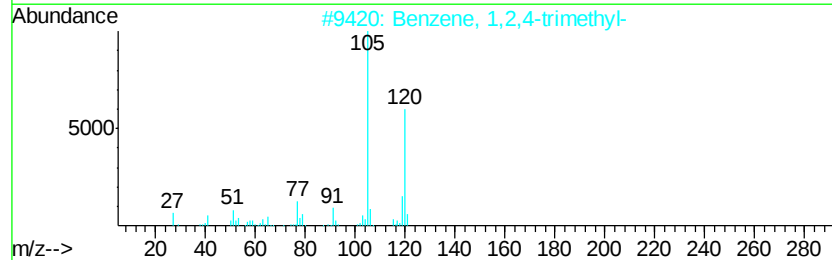
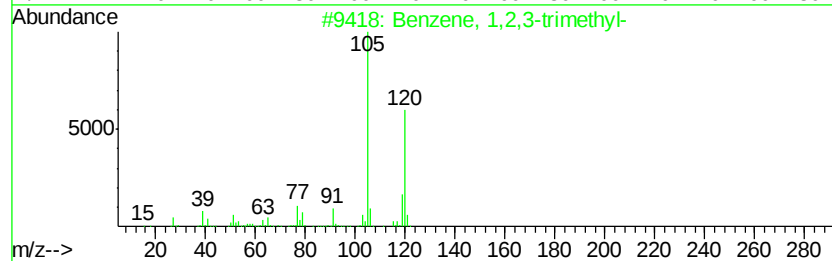
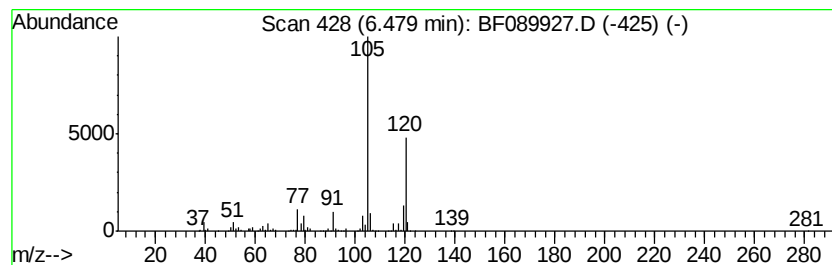
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	43.04 ng	4315820	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3		Mesitylene	120	C9H12	000108-67-8	94
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
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Operator : UM/SJ
Sample : H4576-09 50X
Misc :
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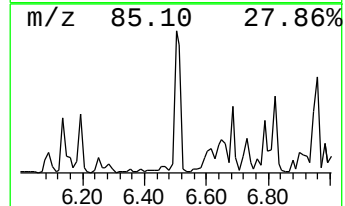
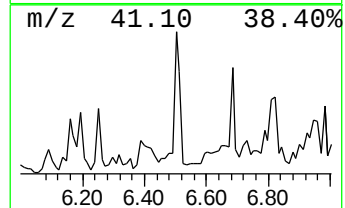
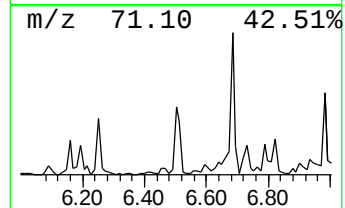
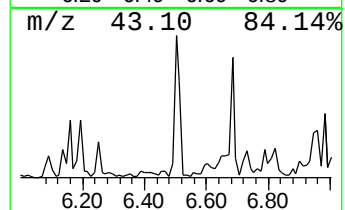
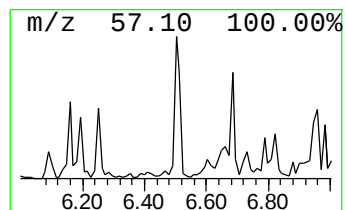
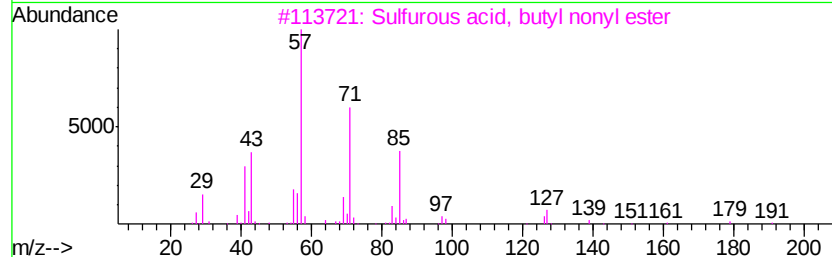
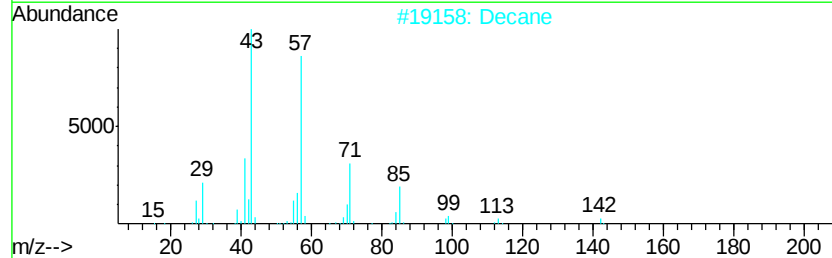
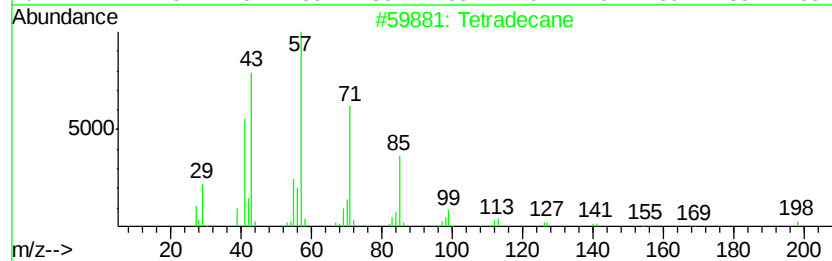
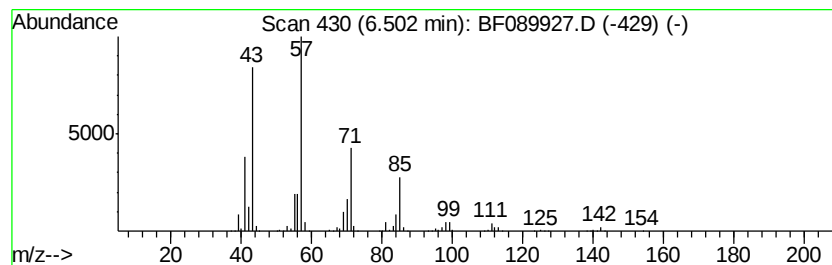
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ClientSampleId :
SB-21A-(3-5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.50	44.82 ng	4494400	1,4-Dichlorobenzene-d4	6.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Decane	142	C10H22	000124-18-5	87
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	72
4	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
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Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
Sample : H4576-09 50X
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ALS Vial : 16 Sample Multiplier: 1

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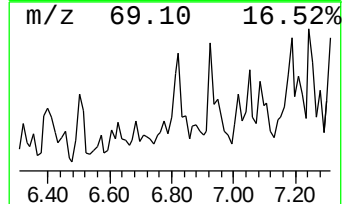
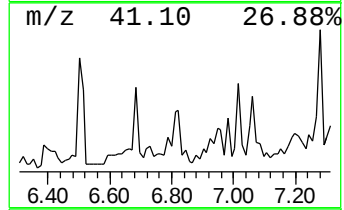
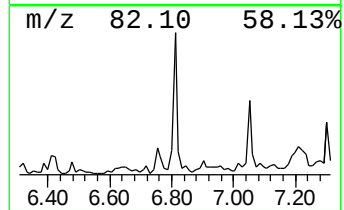
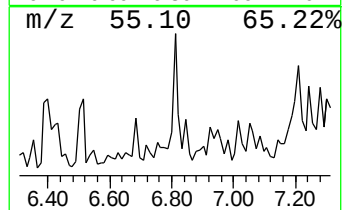
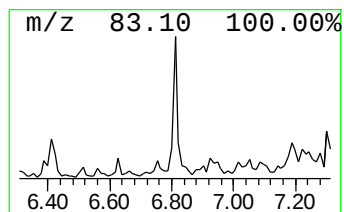
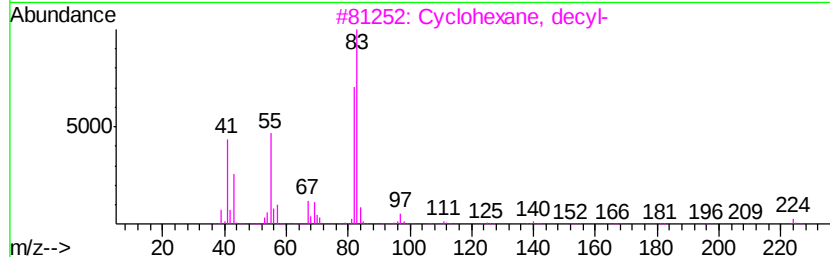
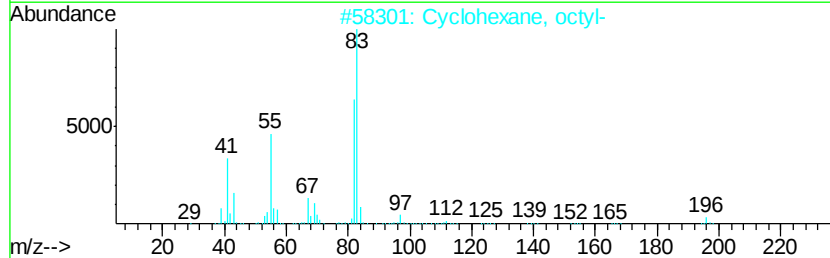
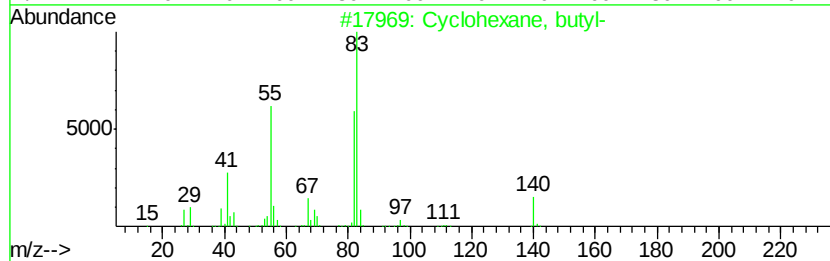
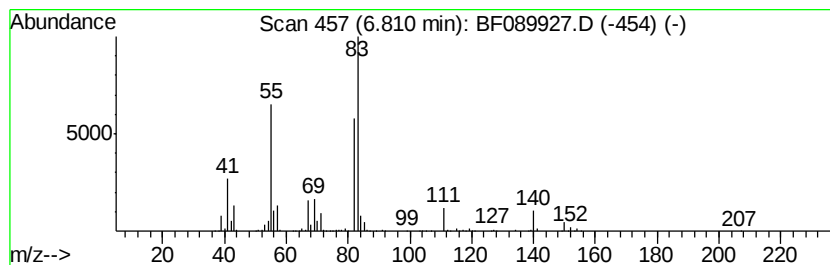
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclohexane, butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	60.35 ng	6051750	1,4-Dichlorobenzene-d4	6.65

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2			Cyclohexane, octyl-	196	C14H28	001795-15-9	64
3			Cyclohexane, decyl-	224	C16H32	001795-16-0	64
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
Sample : H4576-09 50X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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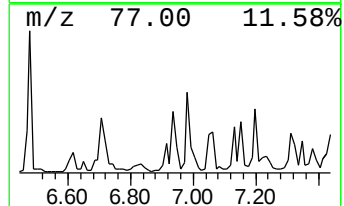
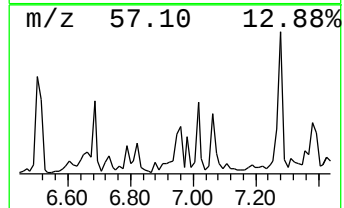
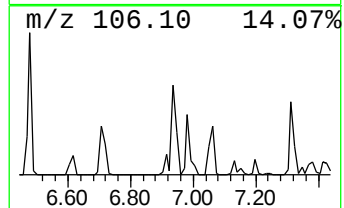
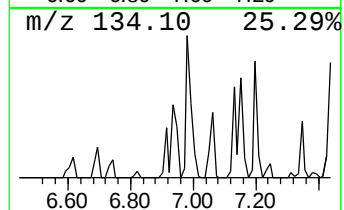
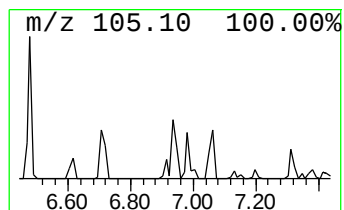
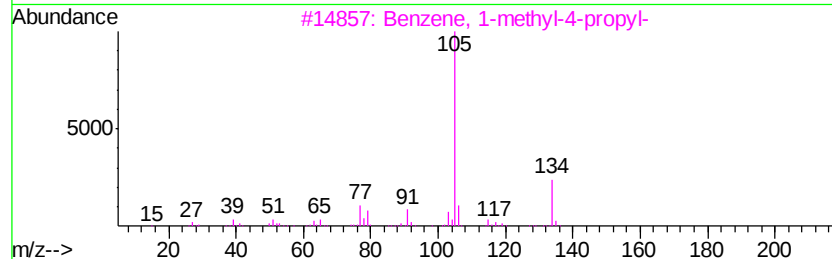
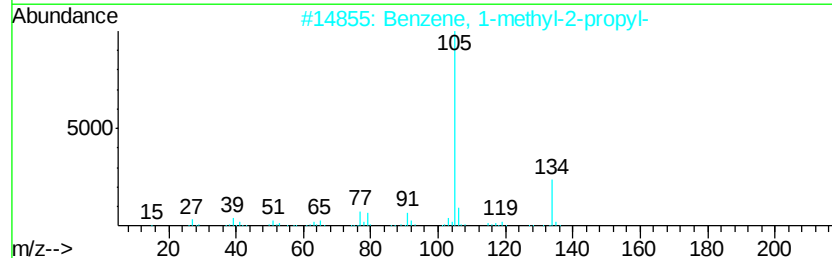
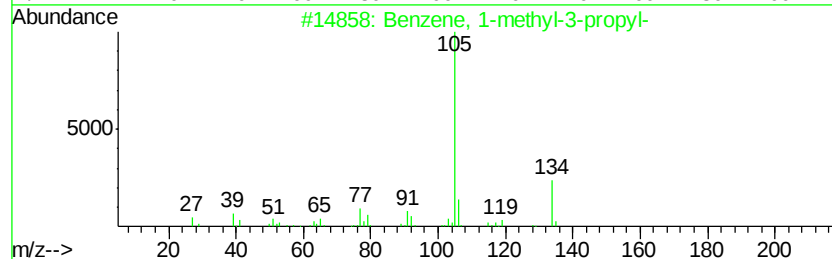
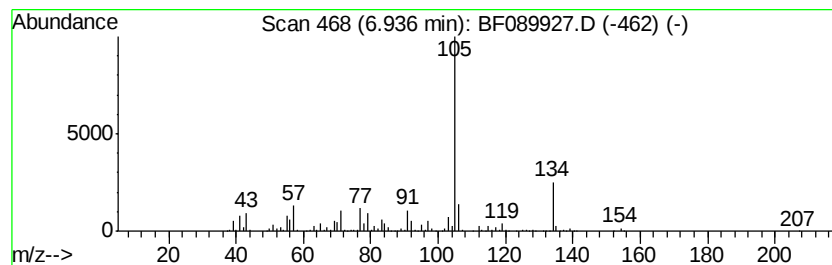
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1-methyl-3-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	75.61 ng	7582410	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	94
2		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	93
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	76
4		2-Tolyloxirane	134	C9H10O	002783-26-8	62
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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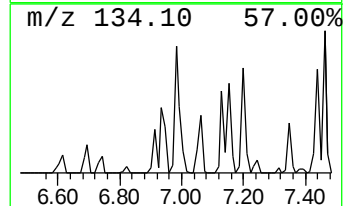
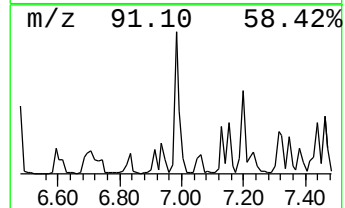
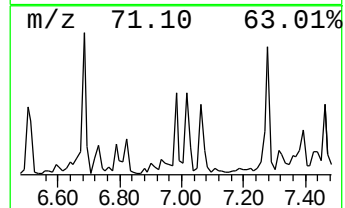
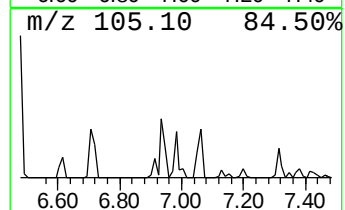
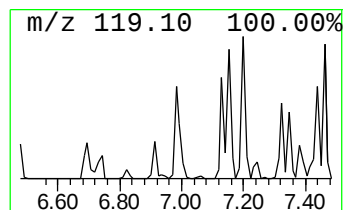
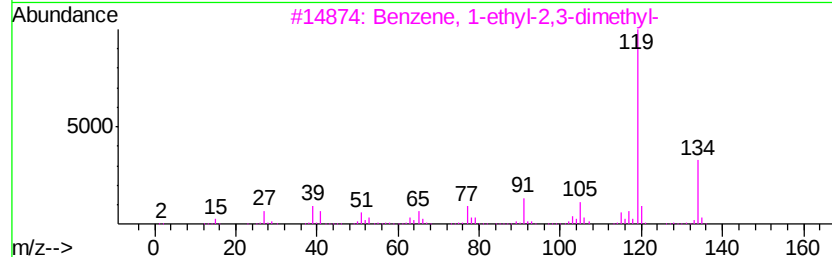
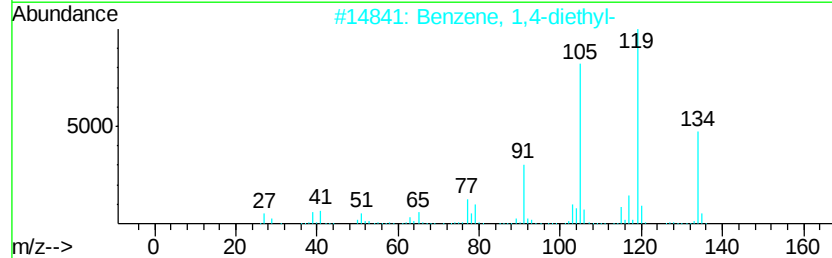
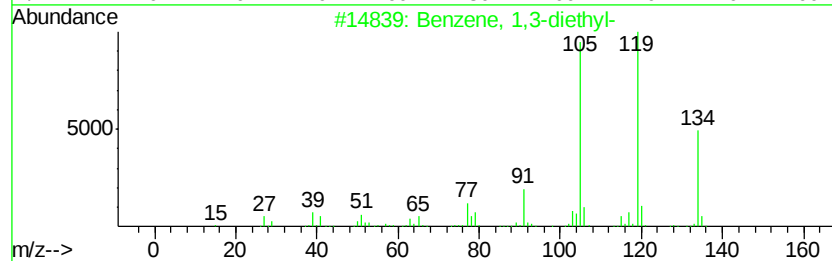
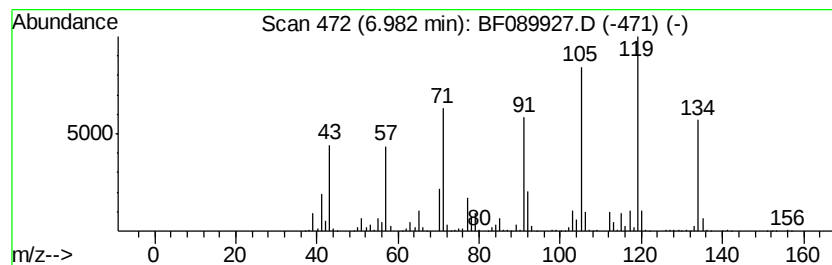
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1,3-diethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	38.94 ng	3905130	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83
5		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
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ALS Vial : 16 Sample Multiplier: 1

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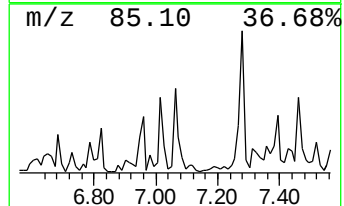
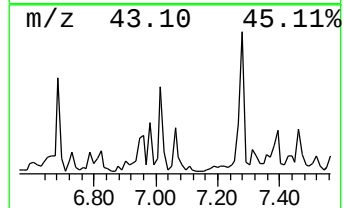
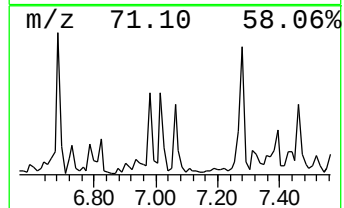
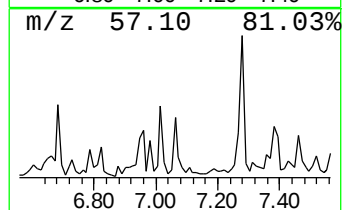
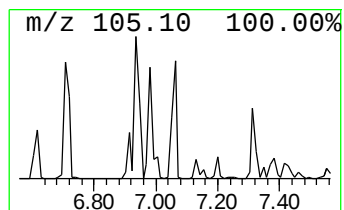
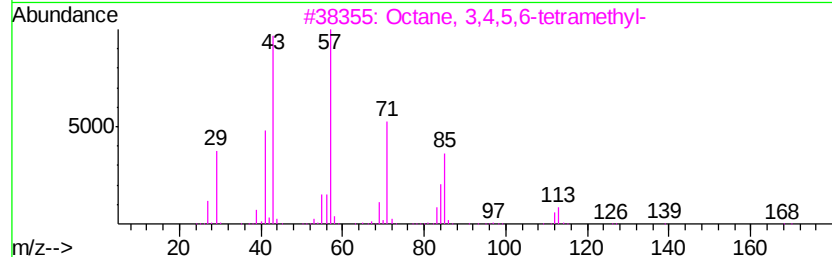
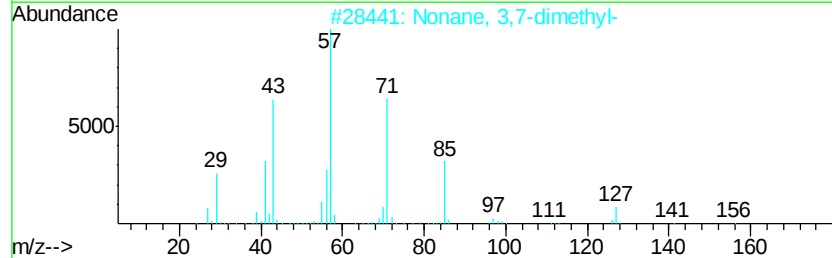
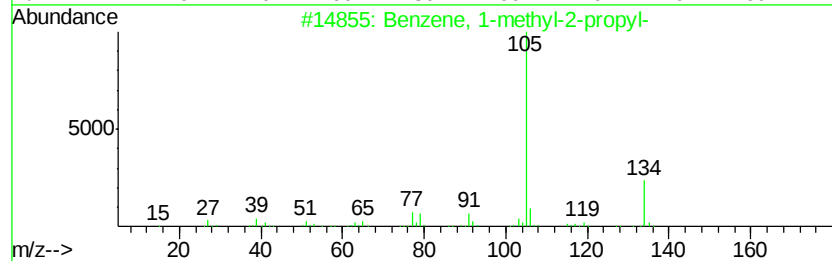
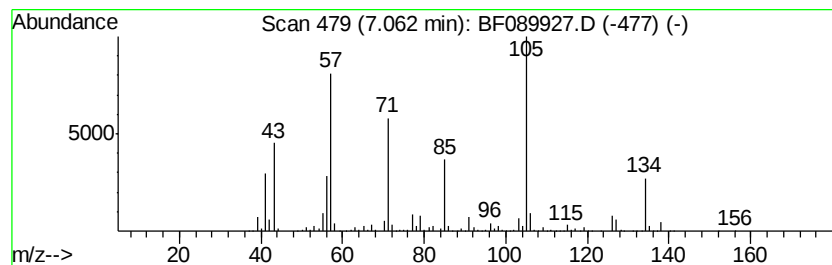
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 1-methyl-2-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	48.12 ng	4824920	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	60
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47
3		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	43
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	38
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
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ClientSampleId :
SB-21A-(3-5)

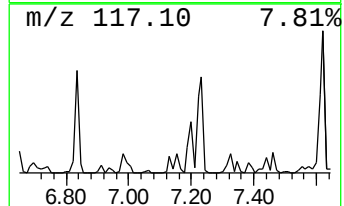
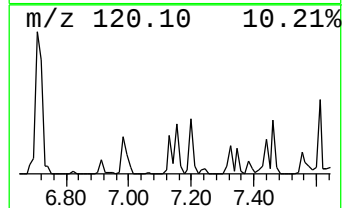
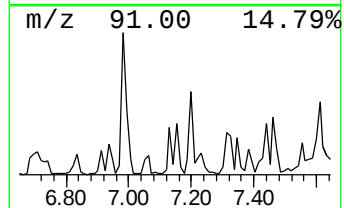
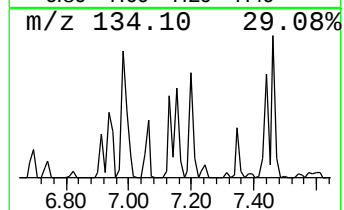
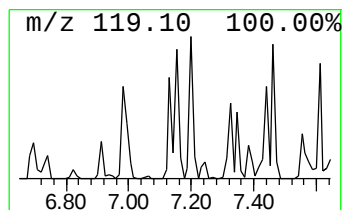
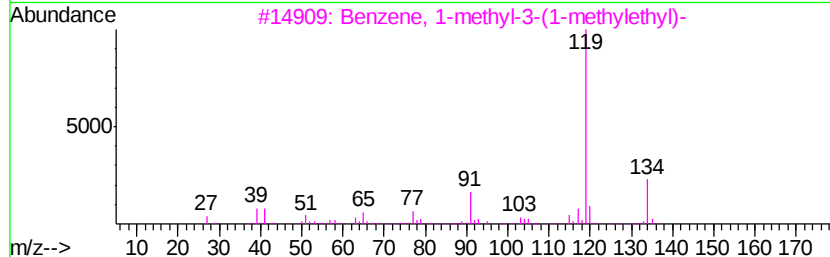
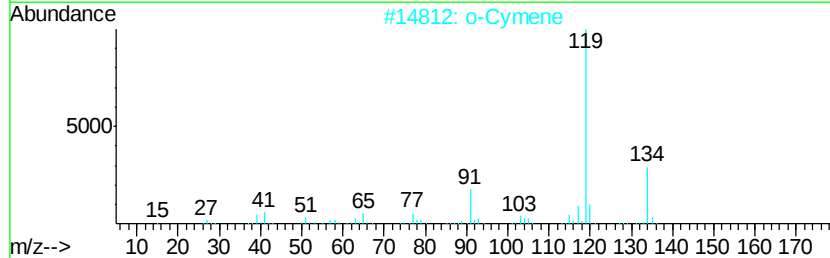
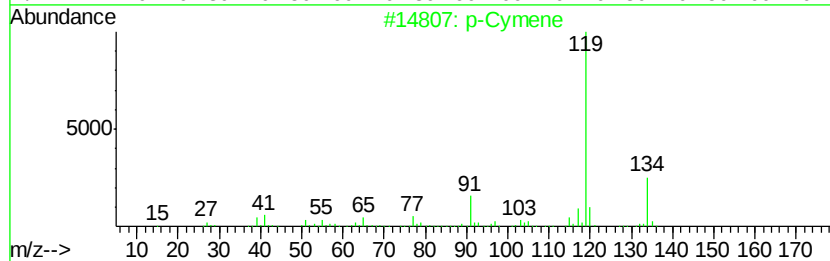
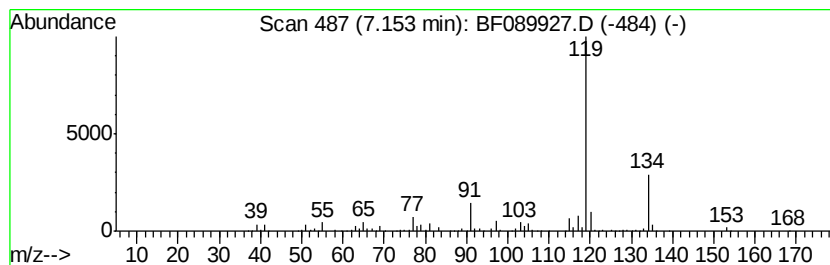
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 p-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	29.46 ng	2954390	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	95
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
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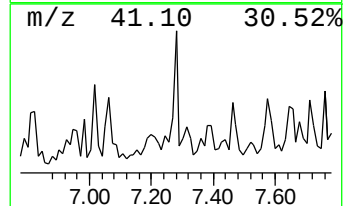
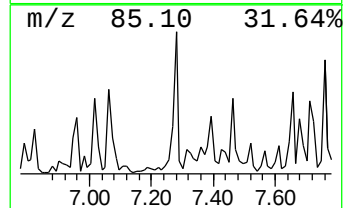
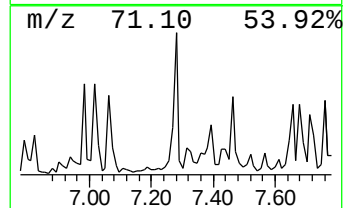
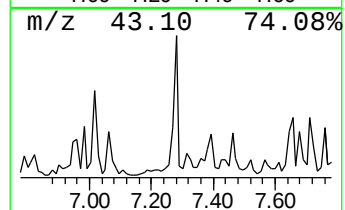
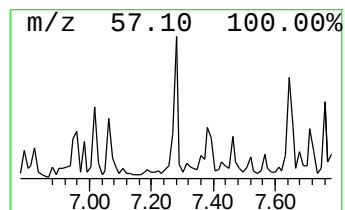
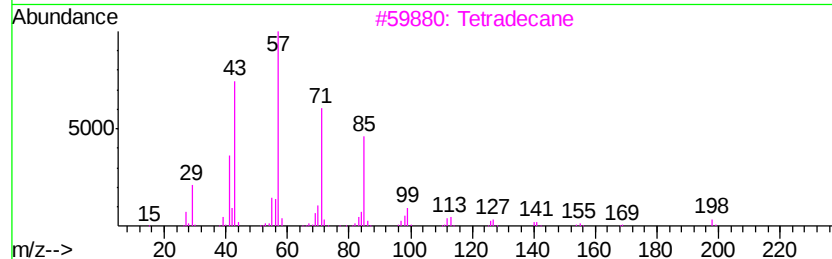
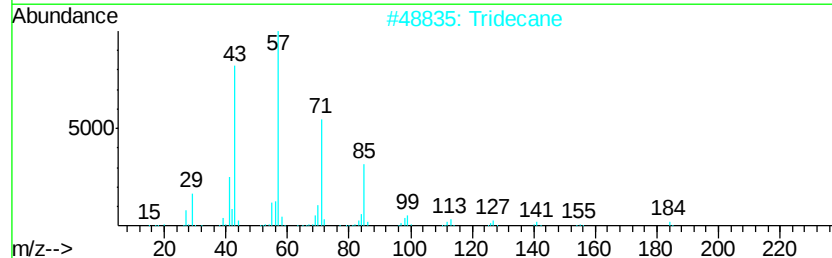
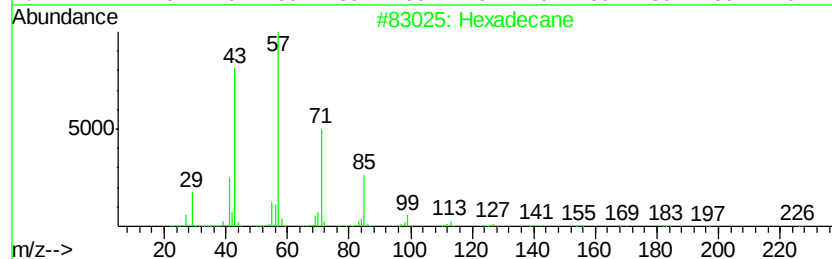
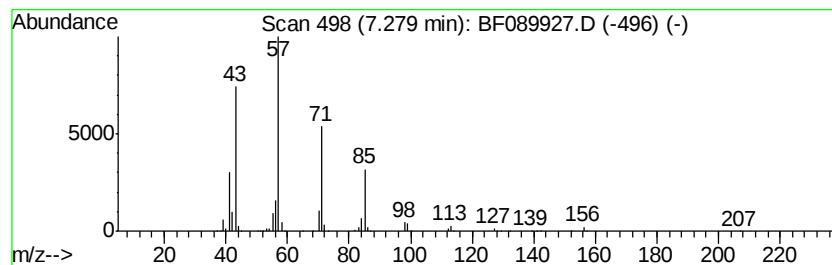
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	35.18 ng	3527710	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Tridecane	184	C13H28	000629-50-5	83
3		Tetradecane	198	C14H30	000629-59-4	83
4		Undecane	156	C11H24	001120-21-4	76
5		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
Sample : H4576-09 50X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21A-(3-5)

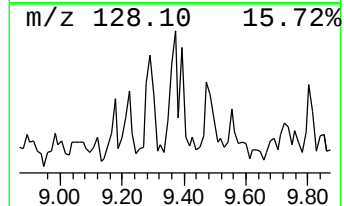
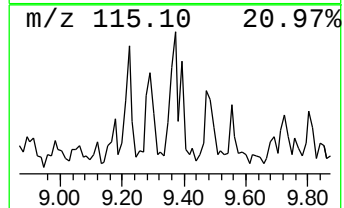
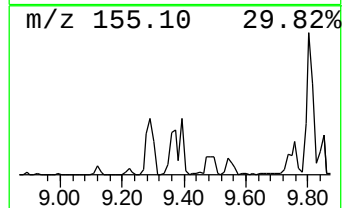
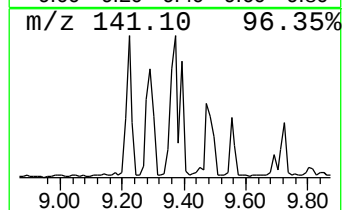
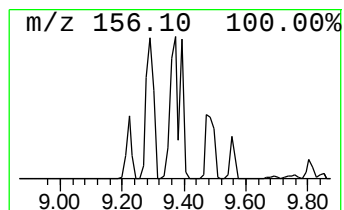
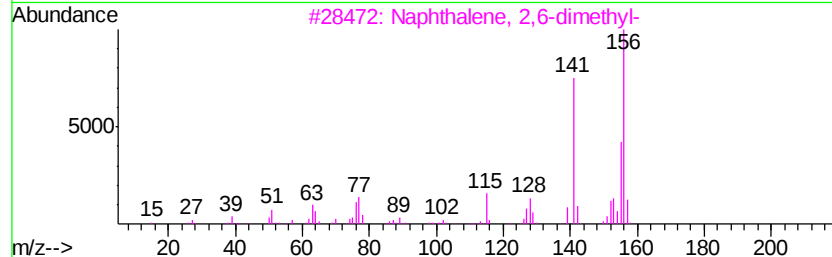
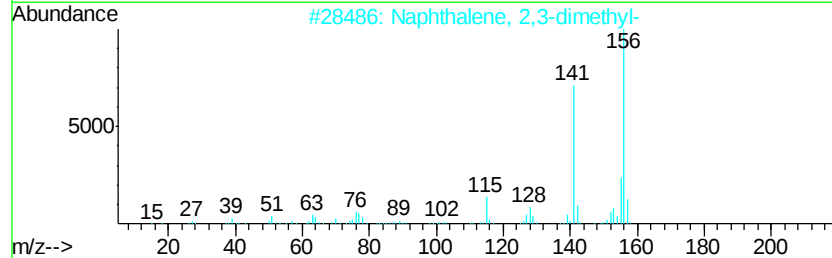
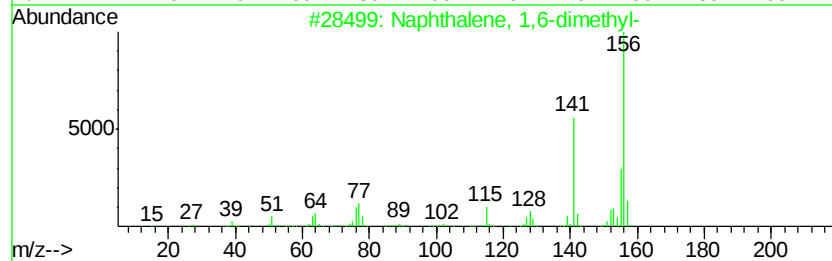
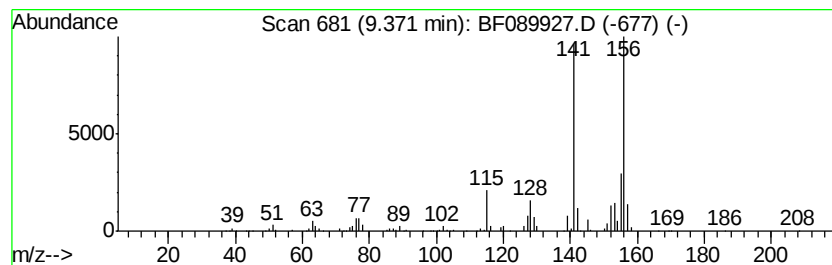
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	35.46 ng	9528630	Acenaphthene-d10	9.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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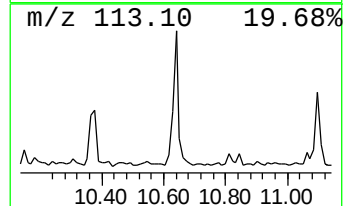
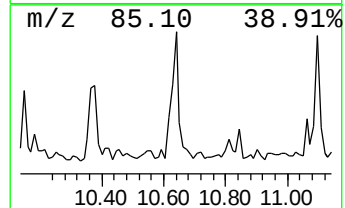
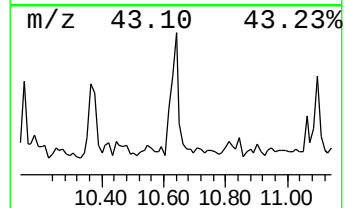
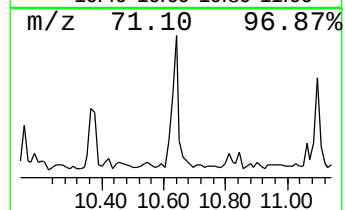
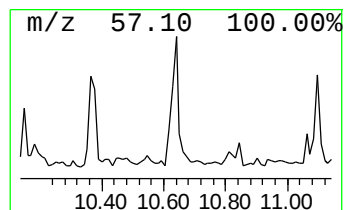
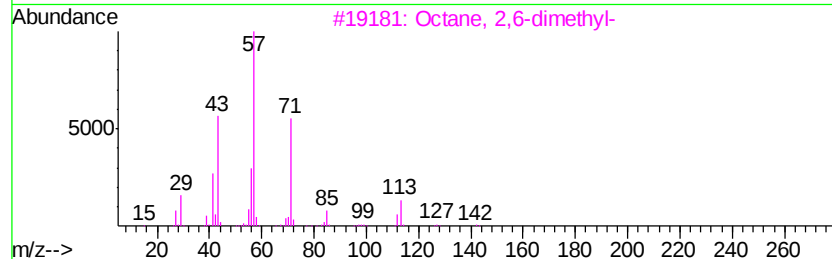
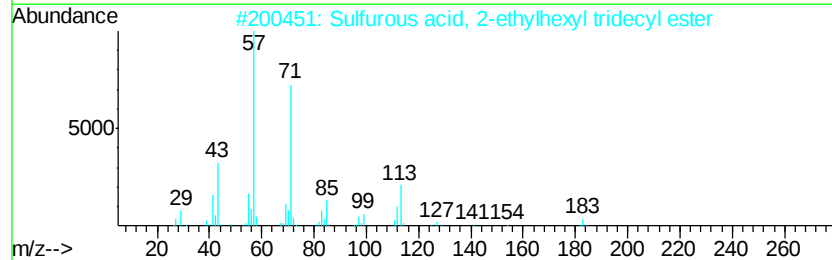
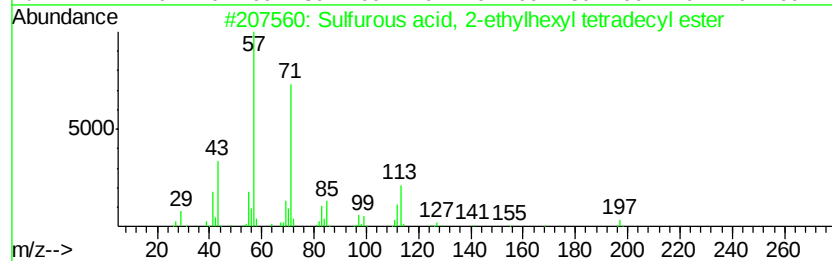
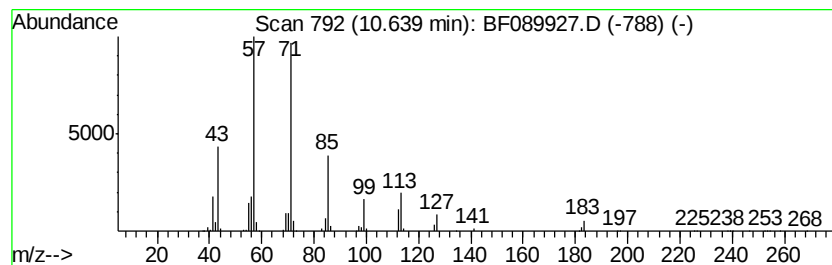
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Sulfurous acid, 2-ethylhexy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	92.37 ng	6826900	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	64
2		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	64
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
4		Dodecane	170	C12H26	000112-40-3	50
5		2-Bromo-6-methylheptane	192	C8H17Br	004730-24-9	47



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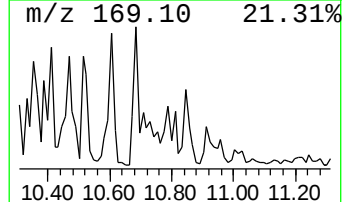
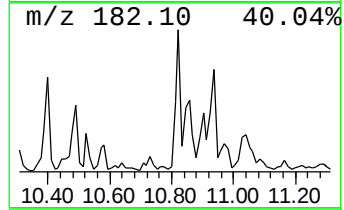
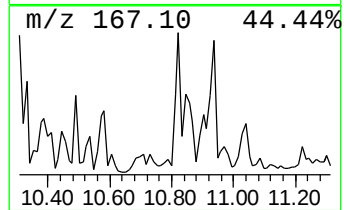
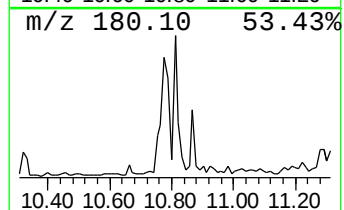
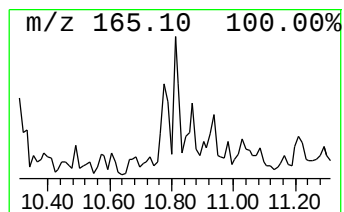
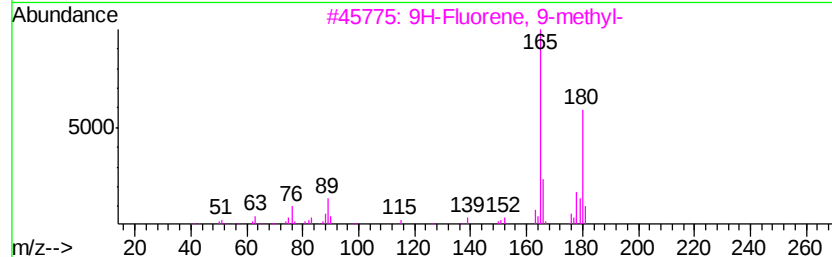
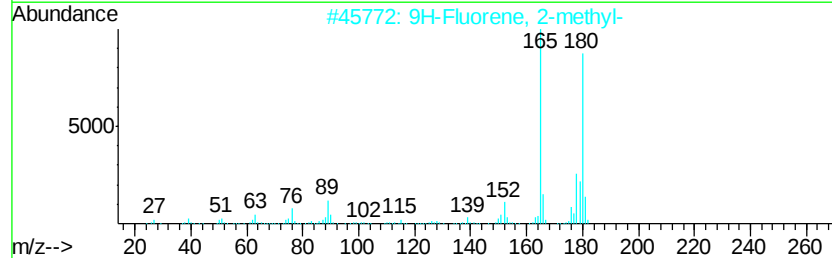
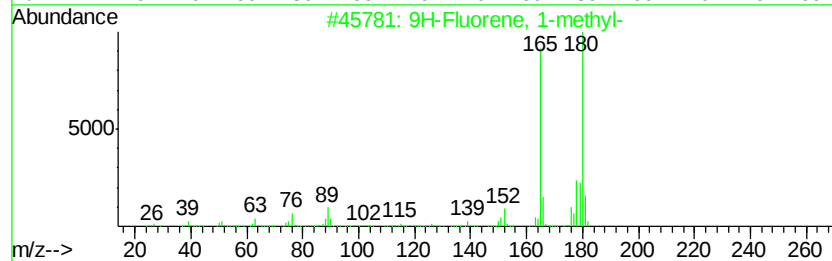
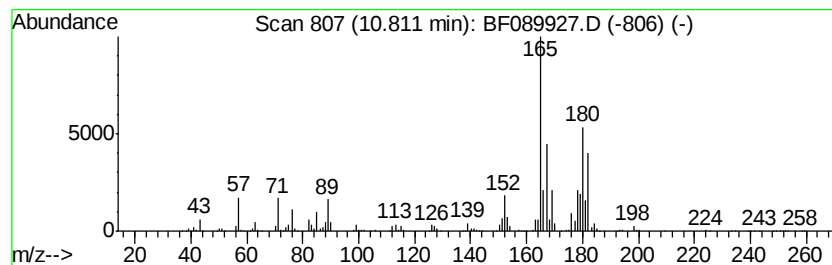
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9H-Fluorene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	44.97 ng	3323640	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	45
5		1,3-Phenylenediamine, N-trimethy...	180	C9H16N2Si	1000374-68-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
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ClientSampleId :
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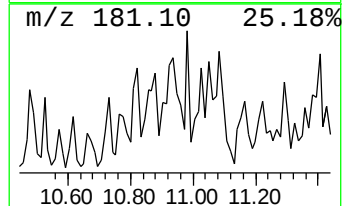
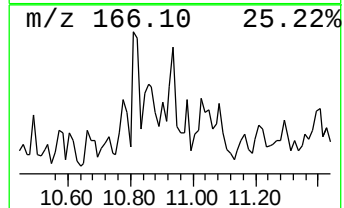
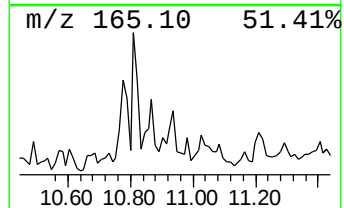
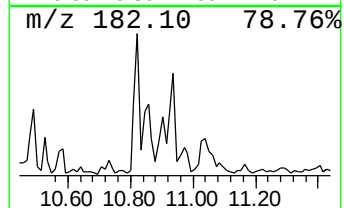
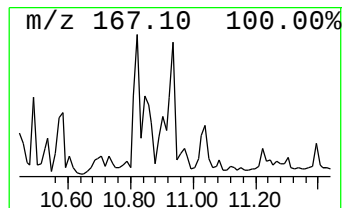
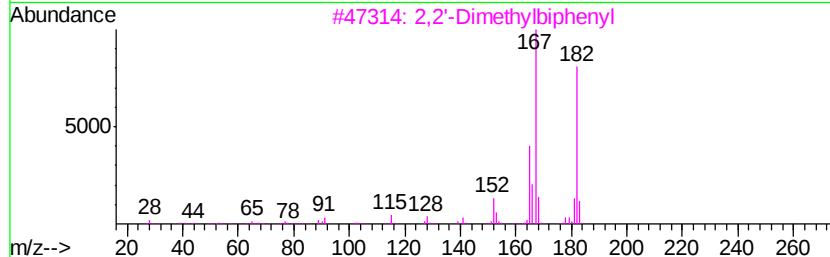
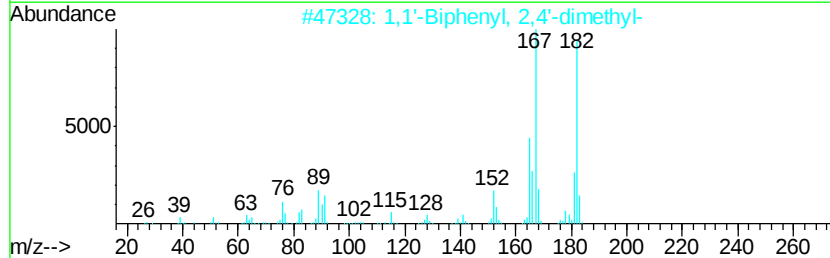
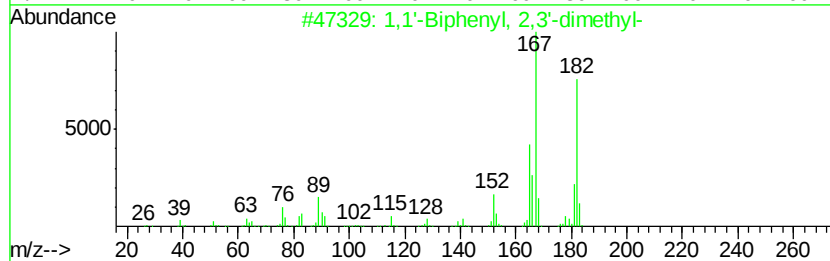
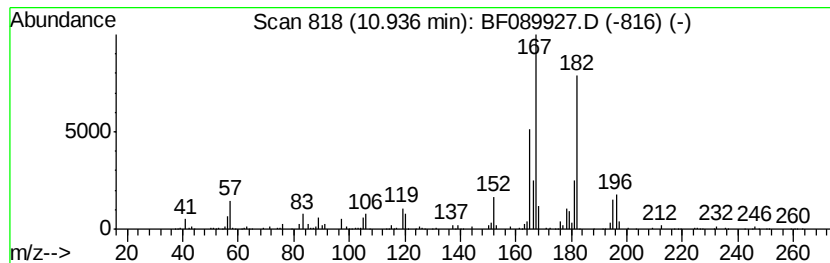
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2,3'-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	30.26 ng	2236170	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	87
2		1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	80
3		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	74
4		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	62
5		Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
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ClientSampleId :
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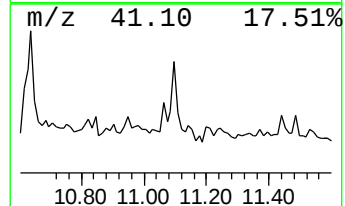
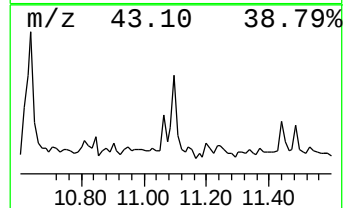
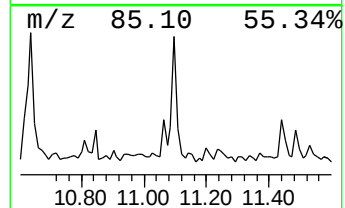
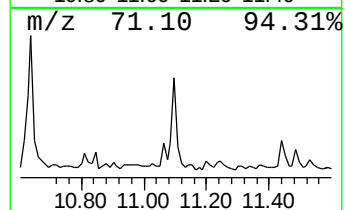
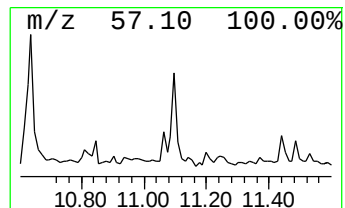
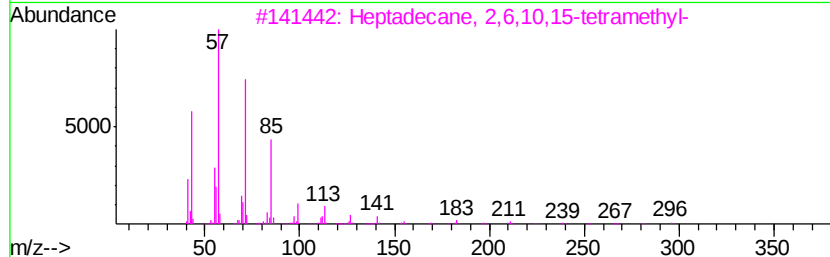
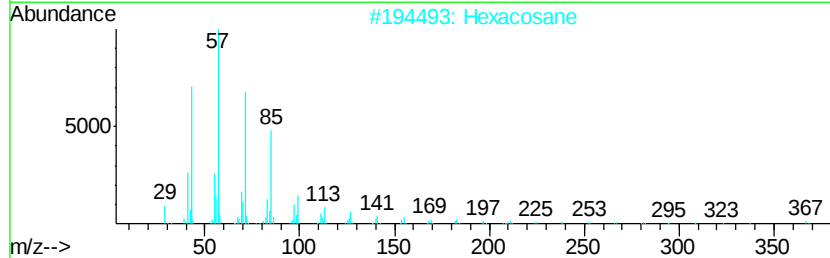
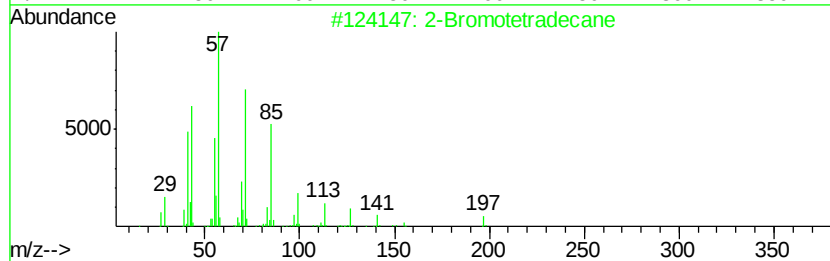
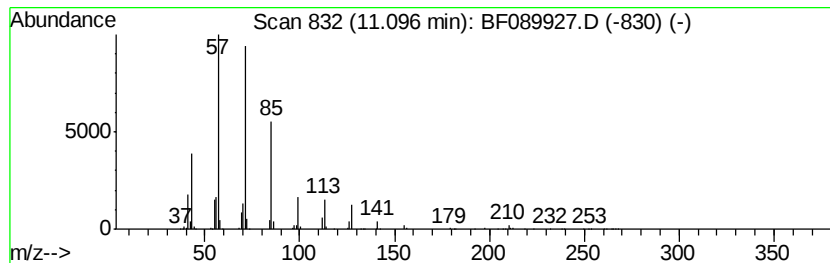
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2-Bromotetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	65.80 ng	4862920	Phenanthrene-d10	11.16

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Bromotetradecane	276	C14H29Br	074036-95-6	86
2		Hexacosane	366	C26H54	000630-01-3	83
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
4		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	78
5		Tridecane, 6-methyl-	198	C14H30	013287-21-3	72



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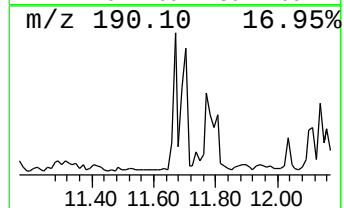
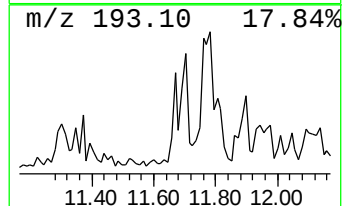
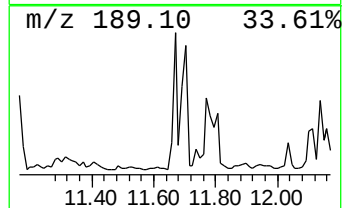
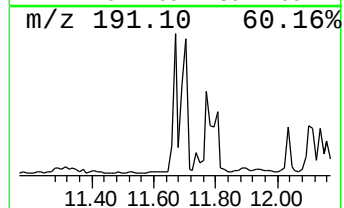
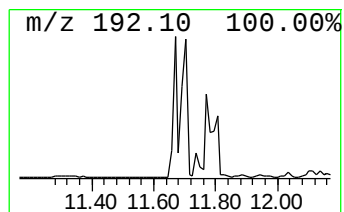
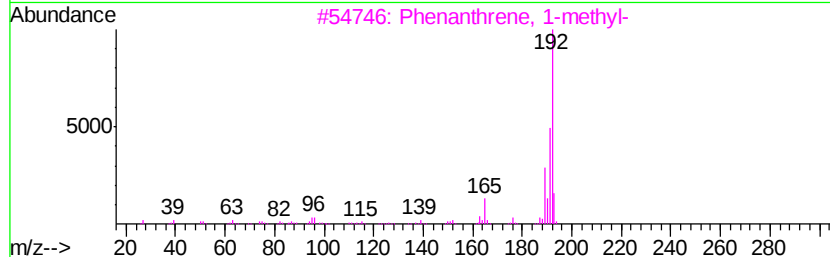
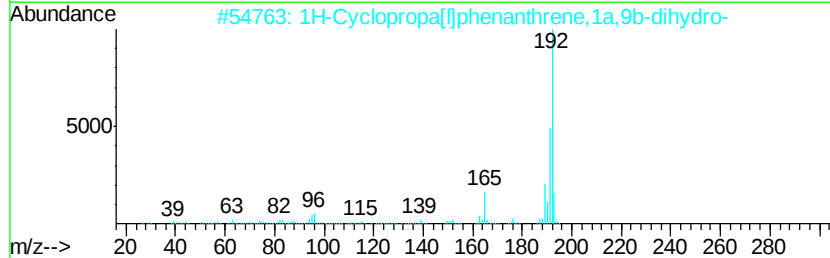
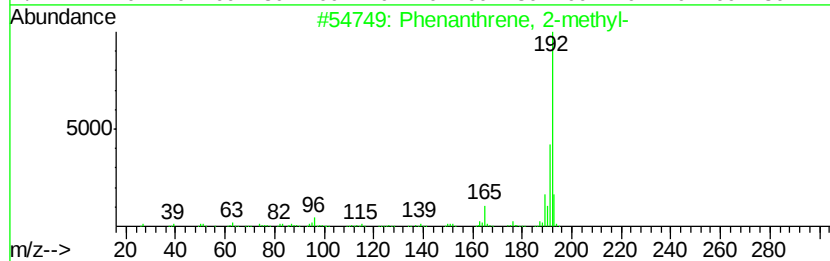
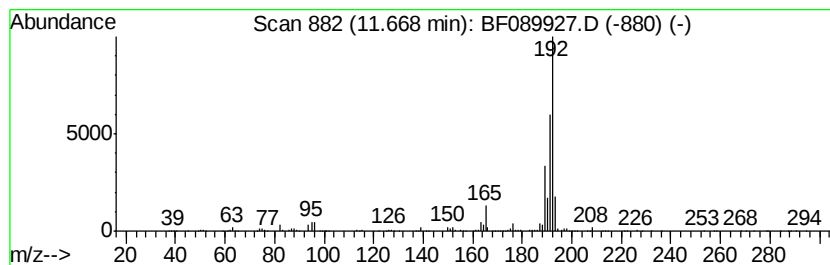
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	30.80 ng	2275960	Phenanthrene-d10	11.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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SB-21A-(3-5)

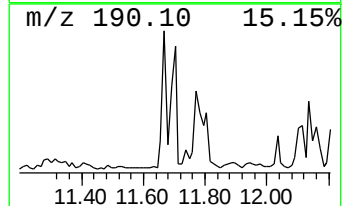
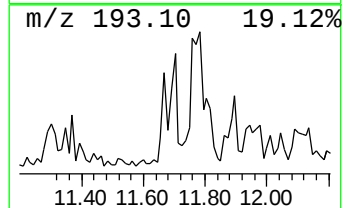
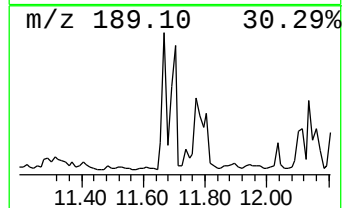
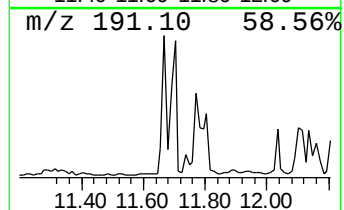
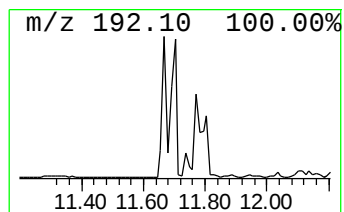
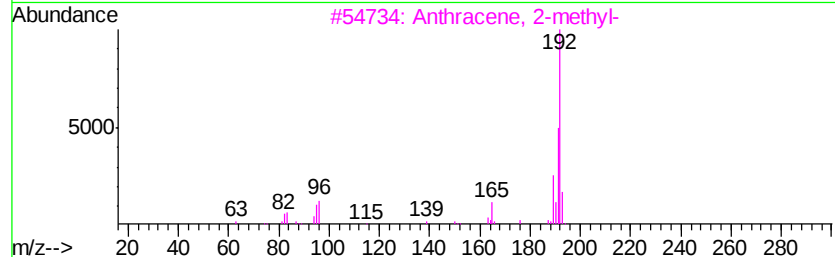
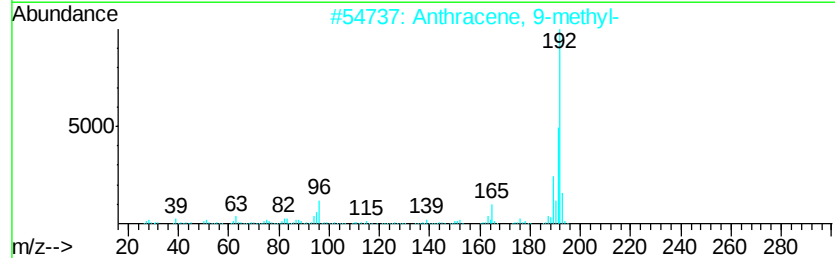
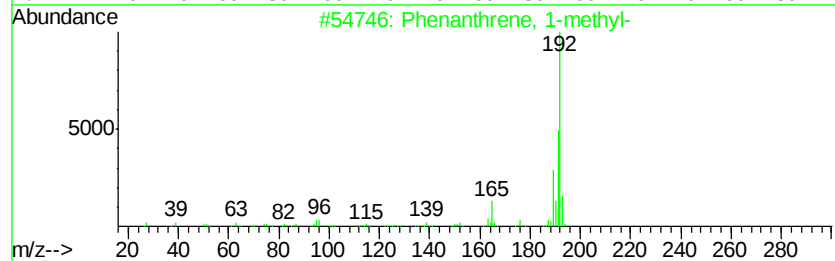
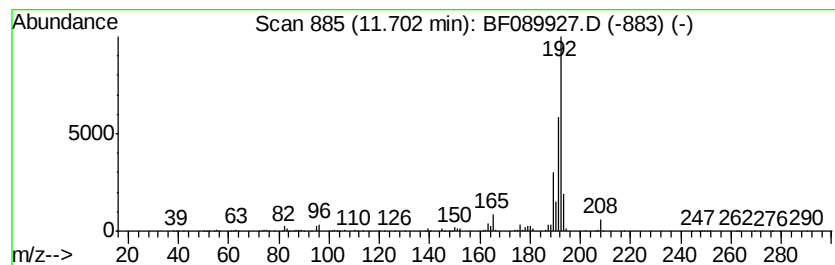
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	39.85 ng	2945040	Phenanthrene-d10	11.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
Sample : H4576-09 50X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21A-(3-5)

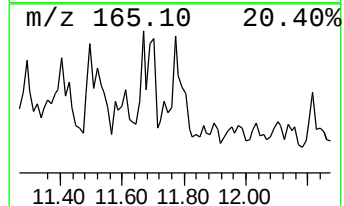
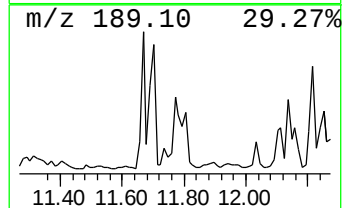
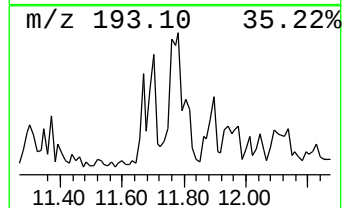
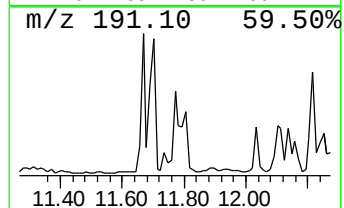
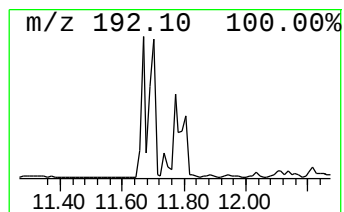
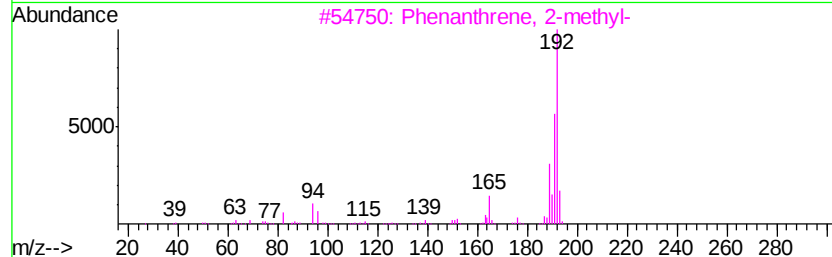
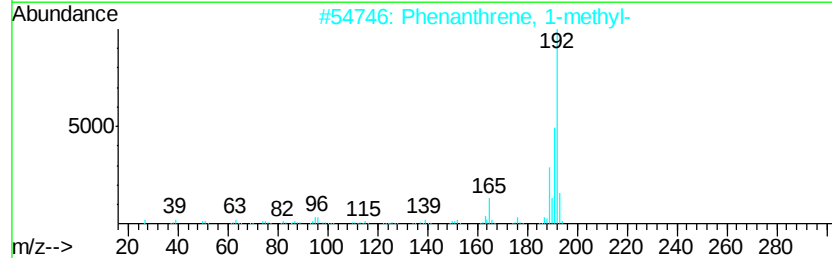
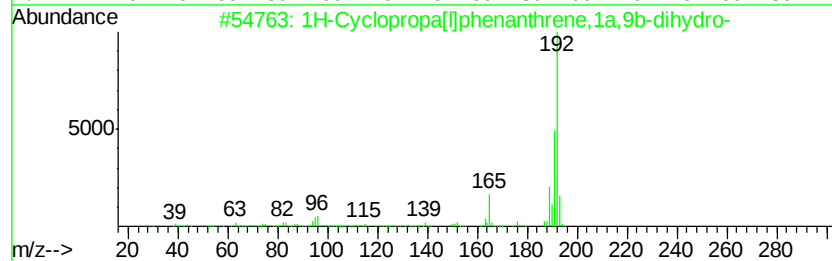
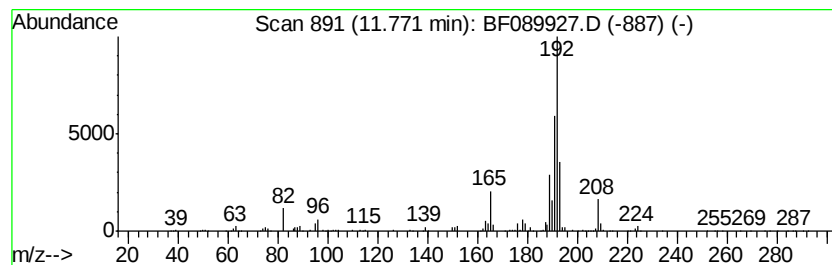
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	89.30 ng	6599720	Phenanthrene-d10	11.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
Sample : H4576-09 50X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21A-(3-5)

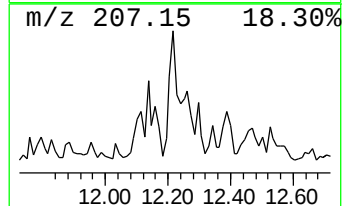
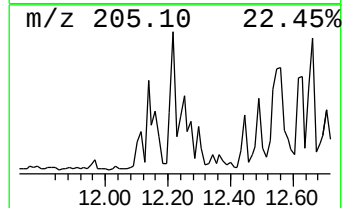
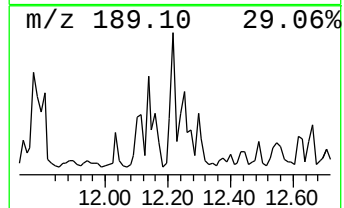
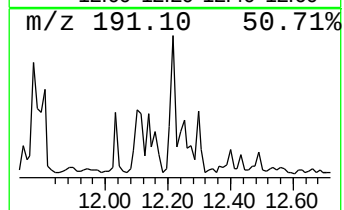
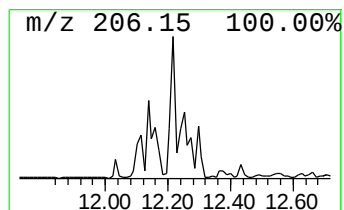
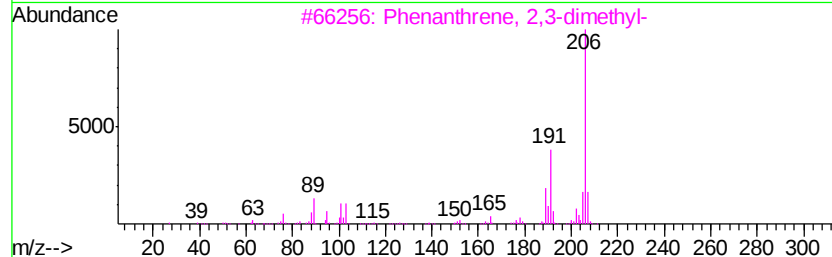
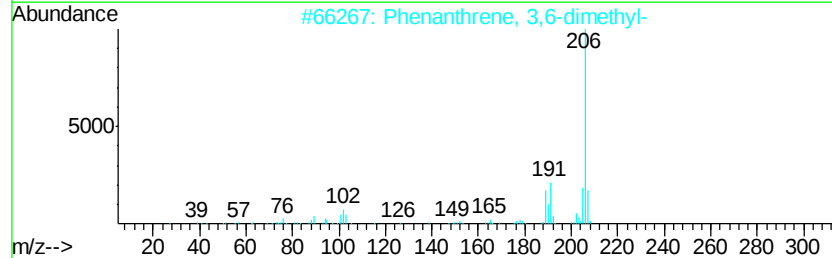
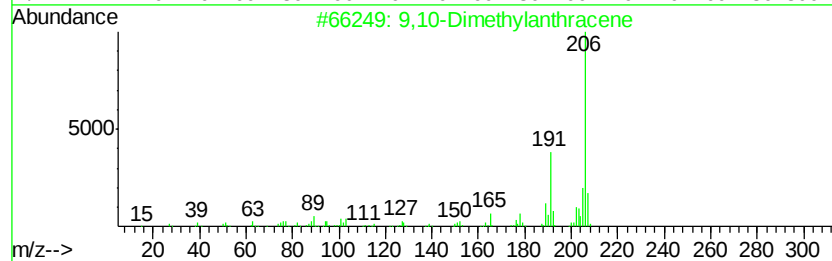
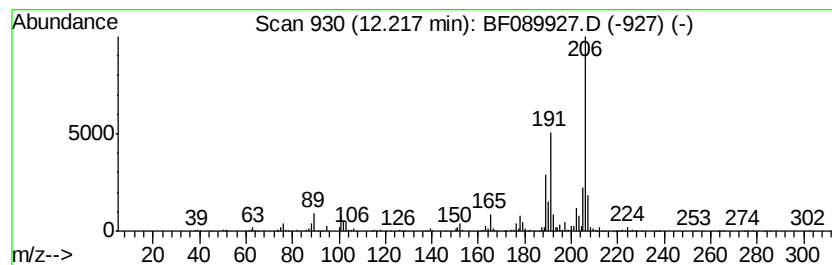
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9,10-Dimethylantracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	37.23 ng	2751810	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
 Data File : BF089927.D
 Acq On : 27 Aug 2016 00:21
 Operator : UM/SJ
 Sample : H4576-09 50X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-(3-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethyl-...	6.17	47.4	ng	4752940	1	6.65	2005570	20.0
Cyclohexane, 1-me...	6.40	30.0	ng	3010390	1	6.65	2005570	20.0
Benzene, 1,2,3-tr...	6.48	43.0	ng	4315820	1	6.65	2005570	20.0
Tetradecane	6.50	44.8	ng	4494400	1	6.65	2005570	20.0
Cyclohexane, butyl-	6.81	60.4	ng	6051750	1	6.65	2005570	20.0
Benzene, 1-methyl...	6.94	75.6	ng	7582410	1	6.65	2005570	20.0
Benzene, 1,3-diet...	6.98	38.9	ng	3905130	1	6.65	2005570	20.0
Benzene, 1-methyl...	7.06	48.1	ng	4824920	1	6.65	2005570	20.0
p-Cymene	7.15	29.5	ng	2954390	1	6.65	2005570	20.0
Hexadecane	7.28	35.2	ng	3527710	1	6.65	2005570	20.0
Naphthalene, 1,6-...	9.37	35.5	ng	9528630	3	9.69	5374400	20.0
Sulfurous acid, 2...	10.64	92.4	ng	6826900	4	11.16	1478120	20.0
9H-Fluorene, 1-me...	10.81	45.0	ng	3323640	4	11.16	1478120	20.0
1,1'-Biphenyl, 2,...	10.94	30.3	ng	2236170	4	11.16	1478120	20.0
2-Bromotetradecane	11.10	65.8	ng	4862920	4	11.16	1478120	20.0
Phenanthrene, 2-m...	11.67	30.8	ng	2275960	4	11.16	1478120	20.0
Phenanthrene, 1-m...	11.70	39.9	ng	2945040	4	11.16	1478120	20.0
1H-Cyclopropa[1]p...	11.77	89.3	ng	6599720	4	11.16	1478120	20.0
9,10-Dimethylanth...	12.22	37.2	ng	2751810	4	11.16	1478120	20.0