

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
 Data File : BF089925.D
 Acq On : 26 Aug 2016 23:25
 Operator : UM/SJ
 Sample : H4576-07 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

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	6170497	21955673	100.00%	4.898%
2	5.176	312	314	315	rBV	1566037	1702713	7.76%	0.380%
3	5.199	315	316	319	rVB2	1261075	1811329	8.25%	0.404%
4	5.542	343	346	348	rVB	1869117	1899818	8.65%	0.424%
5	5.793	365	368	370	rVB2	1021085	1673935	7.62%	0.373%
6	5.896	375	377	380	rVB3	2469470	3644440	16.60%	0.813%
7	6.102	390	395	397	rBV2	1271177	2373817	10.81%	0.530%
8	6.170	397	401	402	rBV2	3777308	5724672	26.07%	1.277%
9	6.193	402	403	406	rVB2	2481798	3220632	14.67%	0.718%
10	6.250	406	408	410	rBV	3564237	3788684	17.26%	0.845%
11	6.330	413	415	418	rVB3	1458601	2512168	11.44%	0.560%
12	6.410	418	422	425	rBV3	1864276	4359028	19.85%	0.972%
13	6.479	425	428	429	rBV	5211297	4763776	21.70%	1.063%
14	6.502	429	430	432	rVB2	3456668	4623926	21.06%	1.031%
15	6.616	436	440	441	rBV3	1265778	2206317	10.05%	0.492%
16	6.650	441	443	445	rBV2	2168593	2178117	9.92%	0.486%
17	6.684	445	446	448	rBV2	3186480	3868353	17.62%	0.863%
18	6.719	448	449	454	rVB5	1848860	2243934	10.22%	0.501%
19	6.810	454	457	462	rVB4	3180908	8091162	36.85%	1.805%
20	6.947	462	469	471	rBV4	3074304	9633330	43.88%	2.149%
21	6.982	471	472	474	rBV	4249600	4914931	22.39%	1.096%
22	7.016	474	475	477	rVB	2786508	2467725	11.24%	0.550%
23	7.062	477	479	483	rVB2	4008502	5648278	25.73%	1.260%
24	7.153	483	487	489	rBV2	1946998	3777443	17.20%	0.843%
25	7.199	489	491	493	rBV2	3475486	5200778	23.69%	1.160%
26	7.279	496	498	499	rVB	3899252	3131047	14.26%	0.698%
27	7.325	499	502	503	rVB2	2669930	4426068	20.16%	0.987%
28	7.347	503	504	506	rBV2	1036554	1823387	8.30%	0.407%
29	7.393	506	508	509	rVB	2382225	2898458	13.20%	0.647%
30	7.439	509	512	513	rBV2	2573468	2928905	13.34%	0.653%
31	7.462	513	514	517	rVB2	4381097	5696804	25.95%	1.271%
32	7.530	517	520	521	rBV2	812000	1499327	6.83%	0.334%
33	7.587	521	525	526	rBV2	3584106	7242481	32.99%	1.616%
34	7.610	526	527	529	rVB2	1969345	2013046	9.17%	0.449%

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

35	7.645	529	530	532 rBV	1598998	2223140	10.13%	0.496%
36	7.679	532	533	535 rVB2	4298468	5734565	26.12%	1.279%
37	7.725	535	537	539 rVB2	3822136	4780071	21.77%	1.066%
38	7.759	539	540	544 rVB3	3947328	7743347	35.27%	1.727%
39	7.827	544	546	547 rBV	1632771	2321229	10.57%	0.518%
40	7.942	550	556	560 rBV4	6412627	21664121	98.67%	4.833%
41	7.999	560	561	562 rVV	2534332	1991291	9.07%	0.444%
42	8.033	562	564	567 rVB2	4504493	5809586	26.46%	1.296%
43	8.147	569	574	577 rBV5	2465907	7954662	36.23%	1.774%
44	8.250	579	583	584 rVV4	3128486	5679597	25.87%	1.267%
45	8.285	584	586	587 rVB	1775340	2194888	10.00%	0.490%
46	8.307	587	588	590 rBV2	2023884	3709094	16.89%	0.827%
47	8.399	594	596	599 rVV2	4727819	7794152	35.50%	1.739%
48	8.456	599	601	603 rVV2	4092502	4434448	20.20%	0.989%
49	8.502	603	605	607 rVV3	1552384	2467071	11.24%	0.550%
50	8.559	609	610	612 rVV2	3460296	4865666	22.16%	1.085%
51	8.605	612	614	616 rVV3	2647491	5243896	23.88%	1.170%
52	8.662	616	619	621 rVB2	5239888	10741006	48.92%	2.396%
53	8.719	621	624	625 rBV3	1057489	2251210	10.25%	0.502%
54	8.765	625	628	633 rVV3	5241002	12651171	57.62%	2.822%
55	8.868	633	637	638 rVV4	2480911	5907143	26.90%	1.318%
56	8.890	638	639	644 rVV5	2331505	5393171	24.56%	1.203%
57	8.993	644	648	651 rVV4	4535081	8252515	37.59%	1.841%
58	9.130	656	660	662 rBV4	2993128	7437818	33.88%	1.659%
59	9.176	662	664	666 rBV2	1866483	1997048	9.10%	0.445%
60	9.222	666	668	672 rVB	3057601	4936261	22.48%	1.101%
61	9.290	672	674	677 rBV2	4341002	8347799	38.02%	1.862%
62	9.370	677	681	684 rBV2	5028735	13488133	61.43%	3.009%
63	9.450	686	688	689 rBV2	2216111	2958120	13.47%	0.660%
64	9.553	696	697	701 rBV3	1386274	2256696	10.28%	0.503%
65	9.656	704	706	707 rBV	2812663	2964371	13.50%	0.661%
66	9.690	707	709	711 rBV3	3147329	5388733	24.54%	1.202%
67	9.805	717	719	722 rVB	2805721	4703686	21.42%	1.049%
68	9.908	724	728	730 rBV3	3862841	7073111	32.22%	1.578%
69	9.942	730	731	733 rVV	2471932	2507803	11.42%	0.559%
70	9.976	733	734	736 rVB2	2637747	2246755	10.23%	0.501%
71	10.022	736	738	739 rBV	2935666	4213045	19.19%	0.940%

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72	10.125	741	747	748	rBV4	2402825	6323638	28.80%	1.411%
73	10.239	755	757	758	rBV2	2239964	1904763	8.68%	0.425%
74	10.273	758	760	761	rVV2	1972017	2904678	13.23%	0.648%
75	10.308	761	763	766	rVV	2893570	4620285	21.04%	1.031%
76	10.376	766	769	770	rVV2	3048037	5978747	27.23%	1.334%
77	10.479	774	778	780	rVB4	2164730	5004935	22.80%	1.116%
78	10.525	780	782	785	rBV3	1725575	3115167	14.19%	0.695%
79	10.639	788	792	794	rVV2	3771803	7202740	32.81%	1.607%
80	10.788	803	805	806	rVB	1239282	1498553	6.83%	0.334%
81	10.822	806	808	809	rBV2	2491324	3341141	15.22%	0.745%
82	10.936	816	818	821	rVB3	1697029	2471583	11.26%	0.551%
83	11.028	825	826	828	rBV2	994962	1454083	6.62%	0.324%
84	11.096	830	832	835	rVB2	3842406	5487115	24.99%	1.224%
85	11.165	836	838	839	rBV	1413038	1503814	6.85%	0.335%
86	11.199	839	841	846	rVB	1958891	3233143	14.73%	0.721%
87	11.291	846	849	850	rBV	939716	1528080	6.96%	0.341%
88	11.439	861	862	865	rVB2	1466372	1723221	7.85%	0.384%
89	11.485	865	866	868	rBV2	1851083	2796111	12.74%	0.624%
90	11.668	880	882	883	rBV	1861478	1876972	8.55%	0.419%
91	11.702	883	885	887	rVB	3074791	3410411	15.53%	0.761%
92	11.782	890	892	898	rVB3	2196234	5786033	26.35%	1.291%
93	11.896	900	902	905	rVB3	1453939	1502309	6.84%	0.335%
94	12.114	918	921	922	rBV2	1343174	2031166	9.25%	0.453%
95	12.148	922	924	925	rBV	972869	1734588	7.90%	0.387%
96	12.216	928	930	932	rBV	2630306	3749927	17.08%	0.837%
97	12.616	964	965	967	rBV	872091	1436454	6.54%	0.320%
98	12.742	974	976	981	rVB2	1082655	2134470	9.72%	0.476%
99	13.771	1064	1066	1069	rVB	1830656	2325799	10.59%	0.519%
100	15.131	1182	1185	1187	rBV	1458999	1930165	8.79%	0.431%

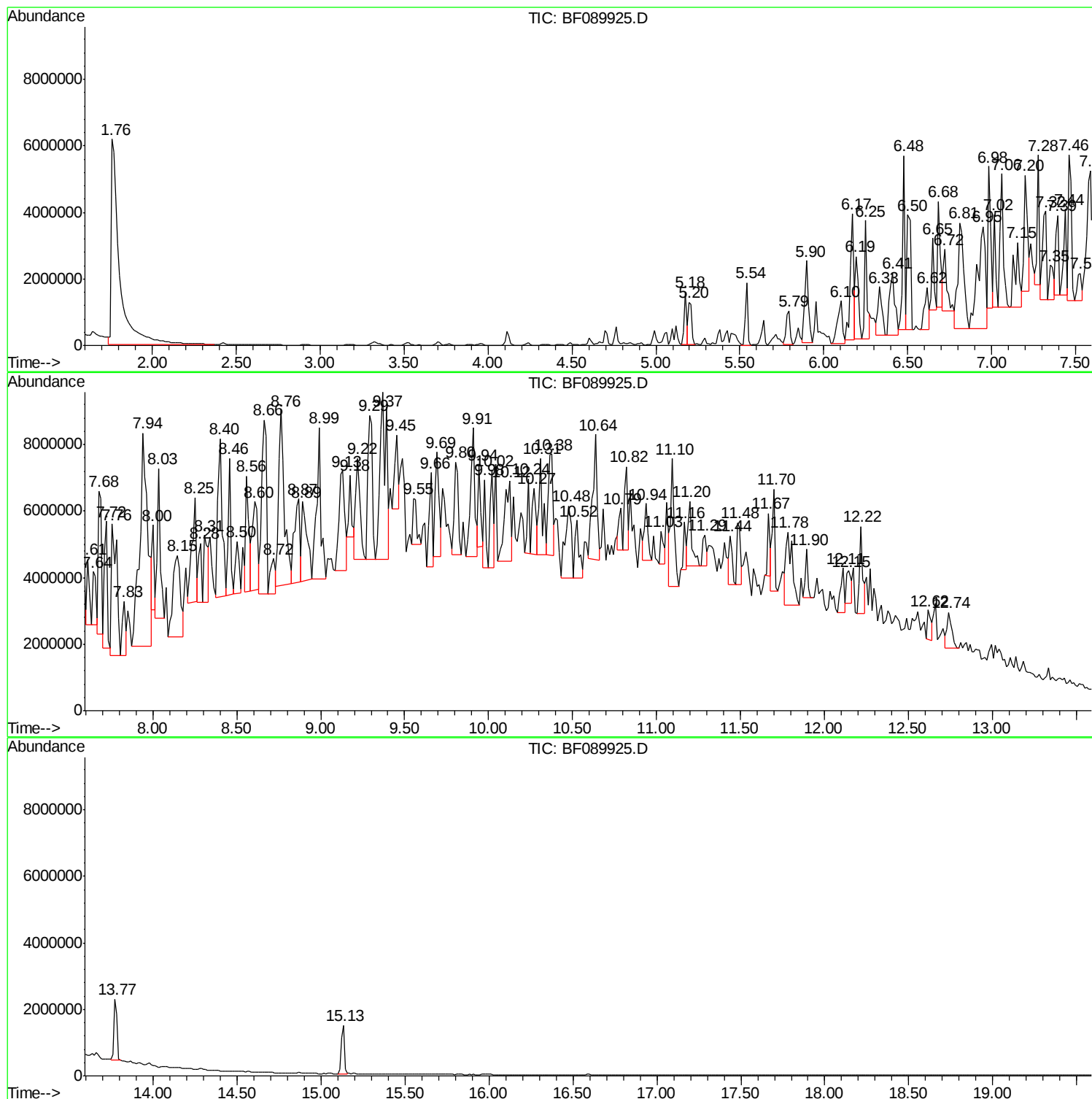
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Instrument :
BNA_F
ClientSampled :
SB-21B-(3.6-5)

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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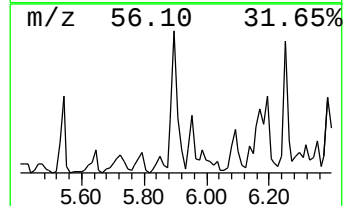
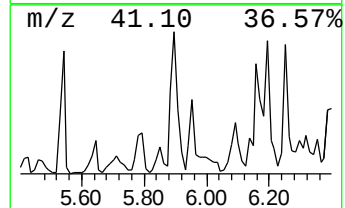
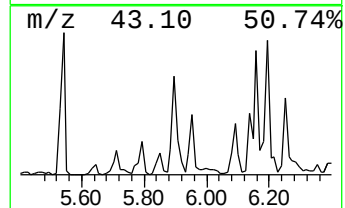
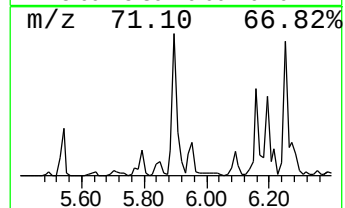
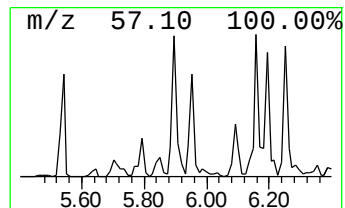
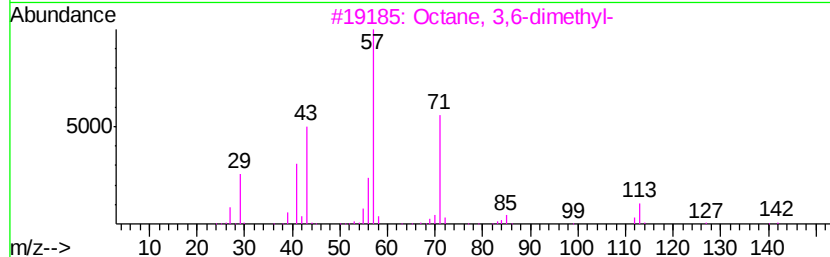
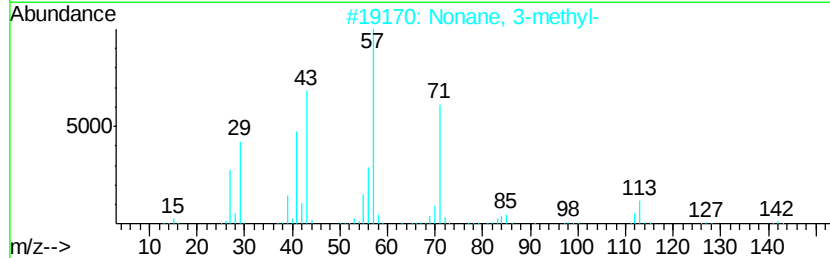
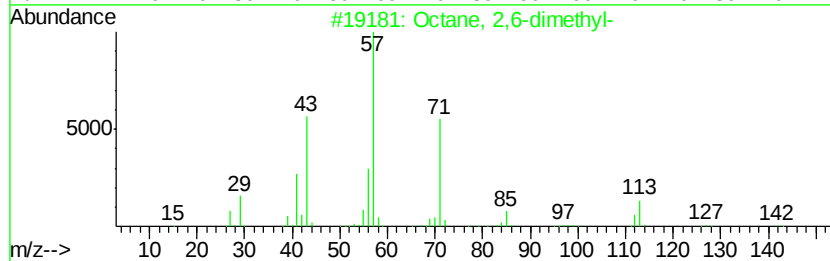
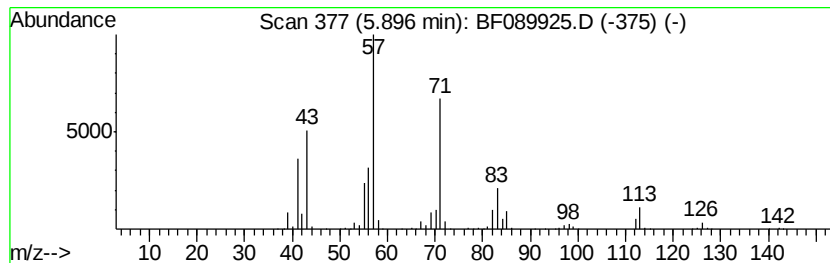
Instrument :
BNA_F
ClientSampleId :
SB-21B-(3.6-5)

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 2 Octane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.90	33.46 ng	3644440	1,4-Dichlorobenzene-d4	6.65		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	64
2	Nonane, 3-methyl-		142	C10H22	005911-04-6	59
3	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	59
4	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	50
5	Sulfurous acid, butyl 2-ethylhex...		250	C12H26O3S	1000309-18-8	50



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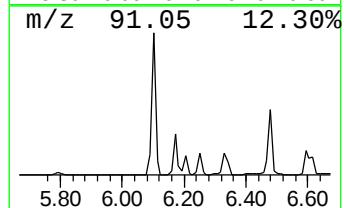
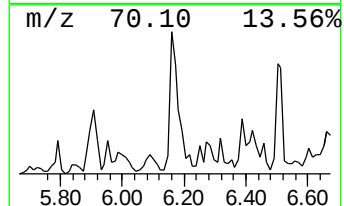
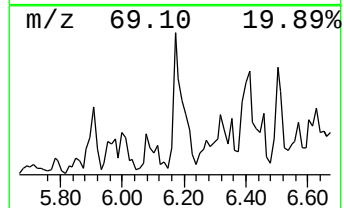
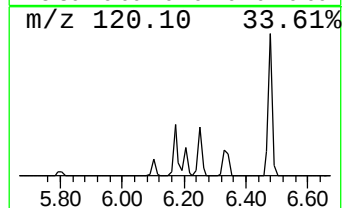
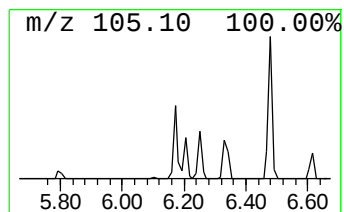
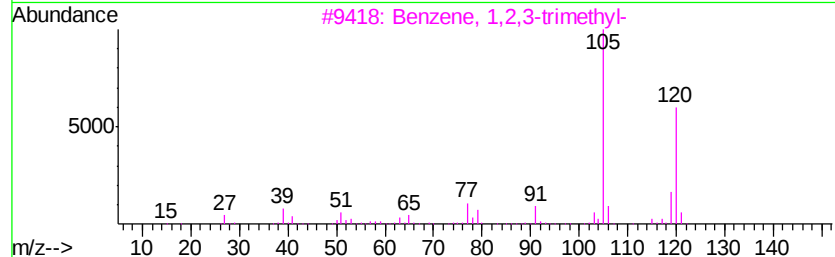
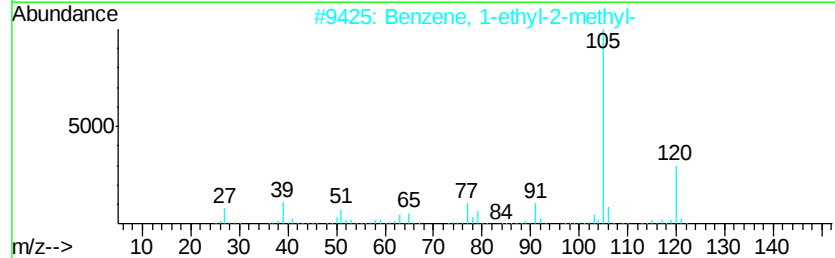
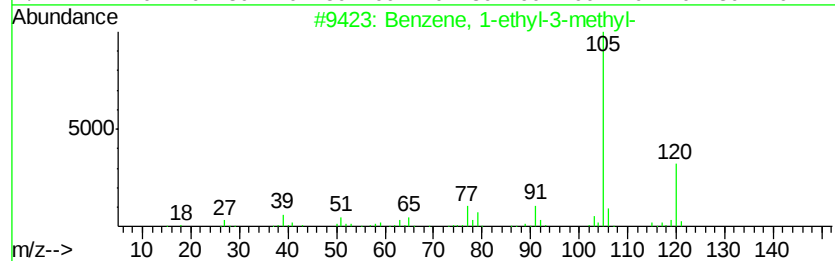
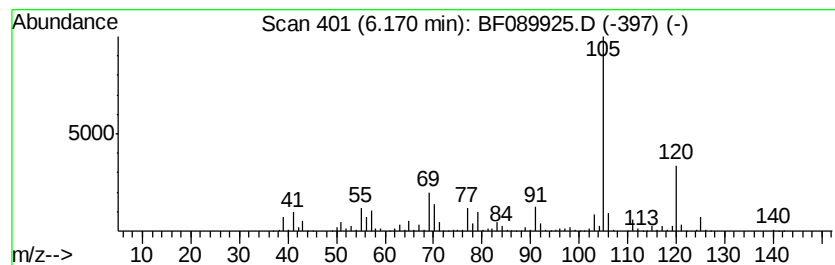
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	52.57 ng	5724670	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4		Mesitylene	120	C9H12	000108-67-8	90
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87



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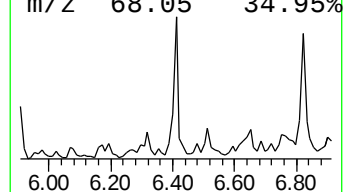
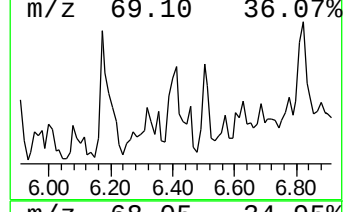
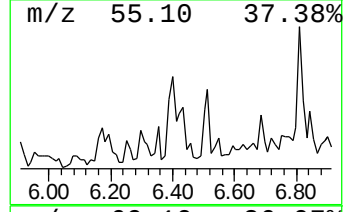
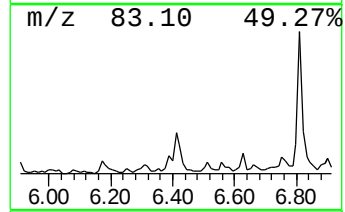
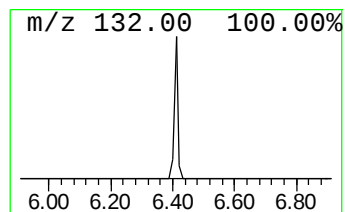
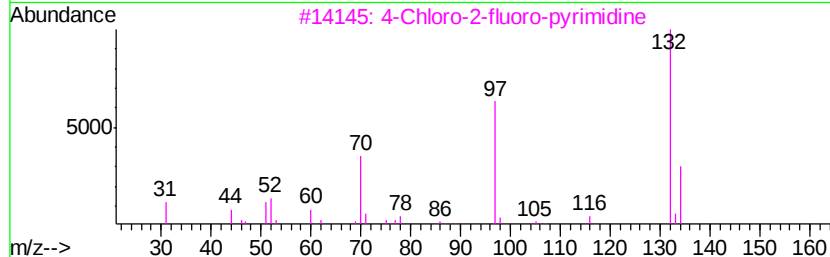
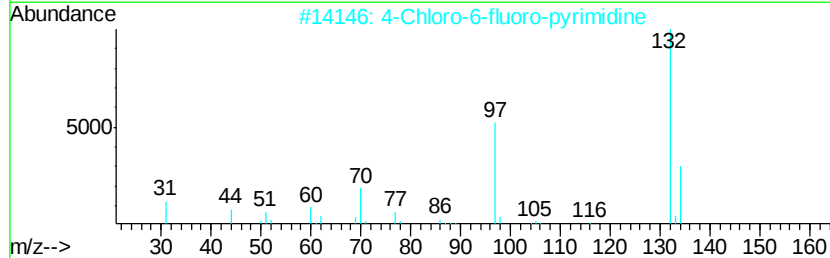
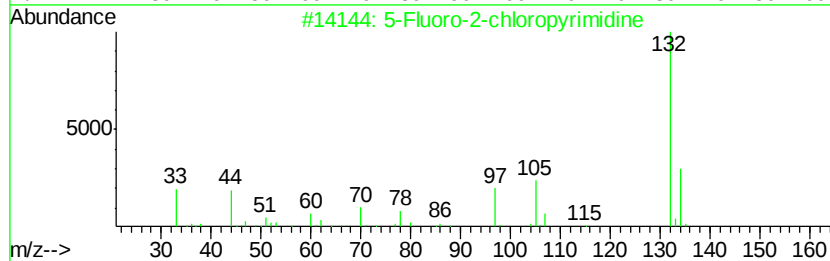
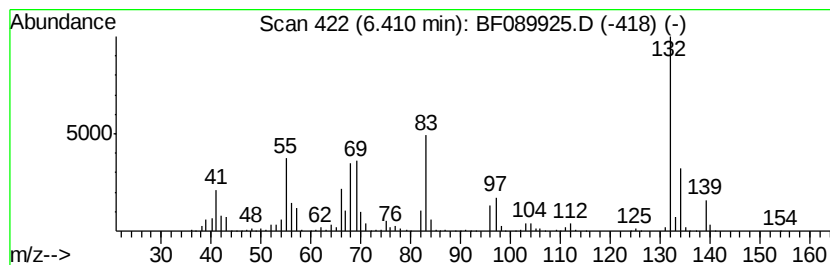
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Peak Number 4 unknown6.41 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	40.03 ng	4359030	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-21B-(3.6-5)

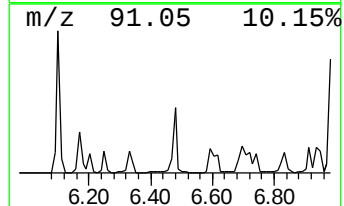
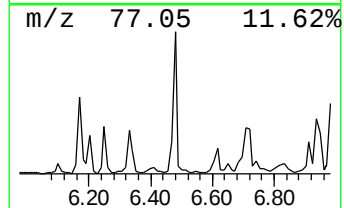
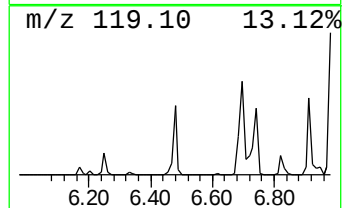
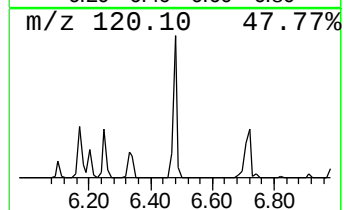
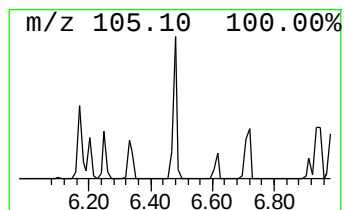
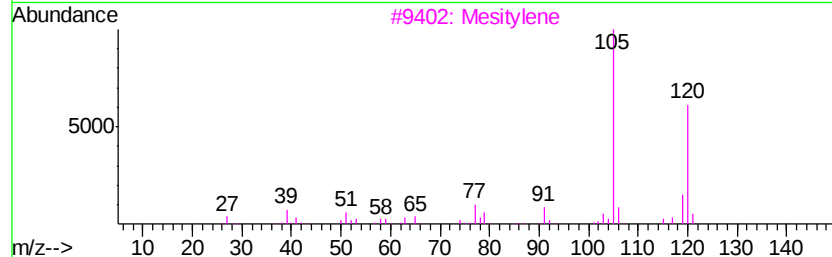
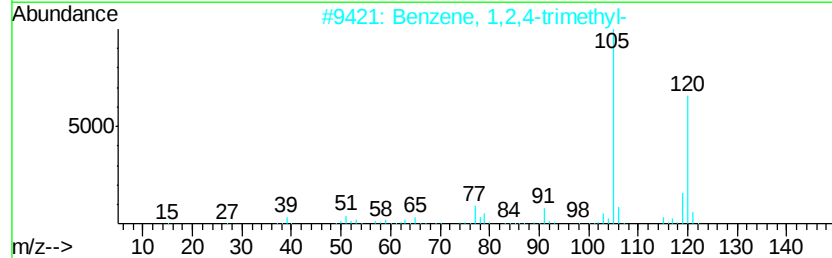
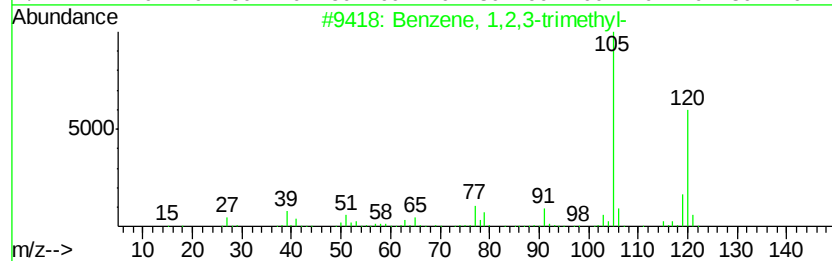
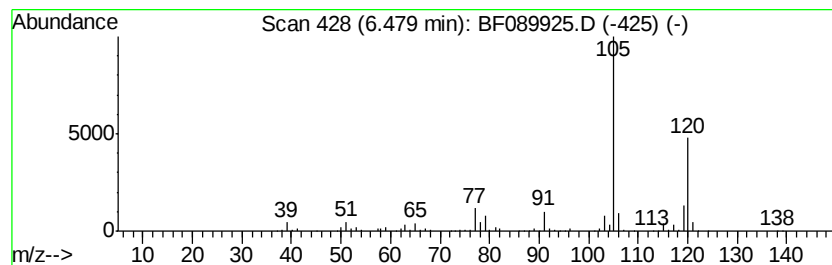
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	43.74 ng	4763780	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	91
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-21B-(3.6-5)

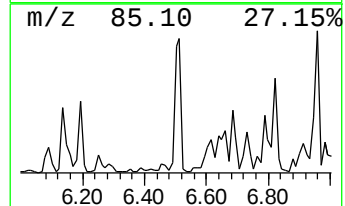
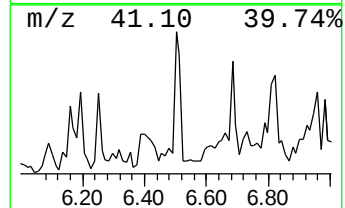
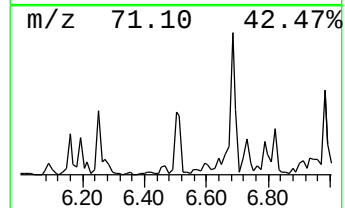
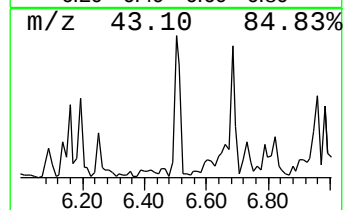
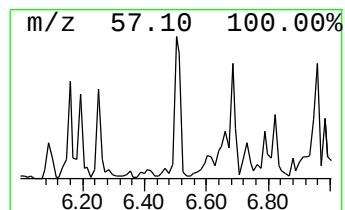
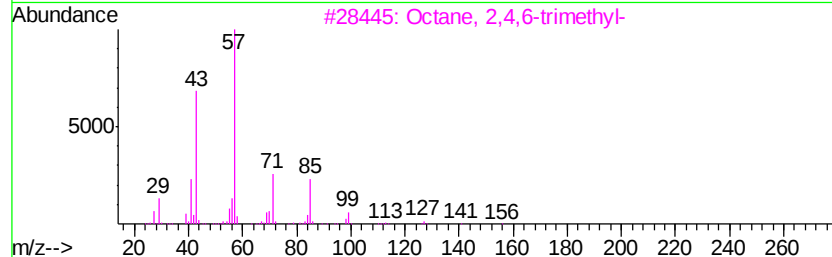
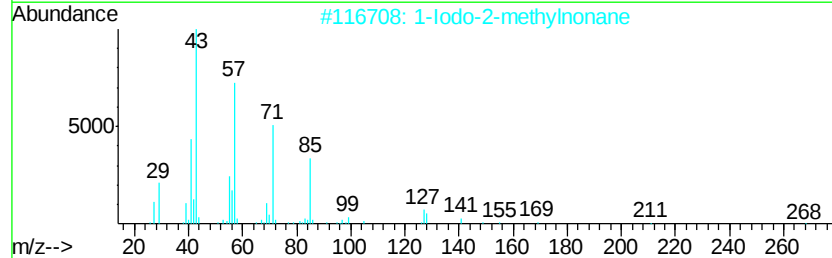
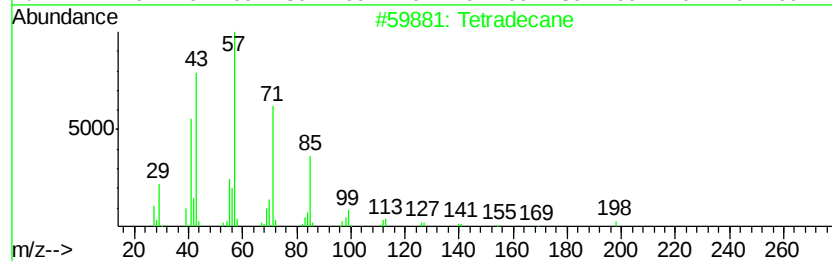
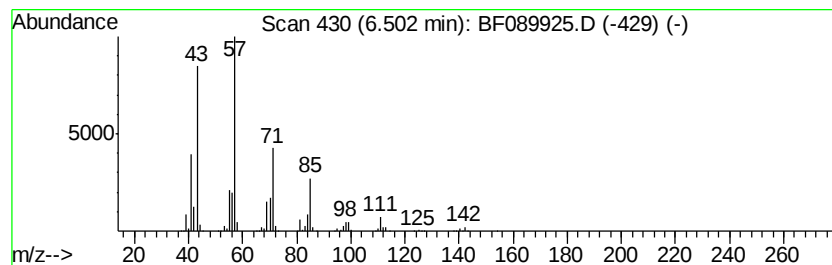
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	42.46 ng	4623930	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	90
2		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
4		Decane	142	C10H22	000124-18-5	64
5		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
SB-21B-(3.6-5)

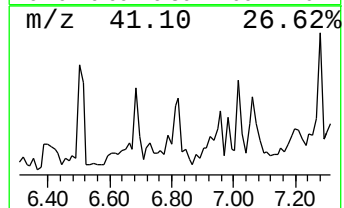
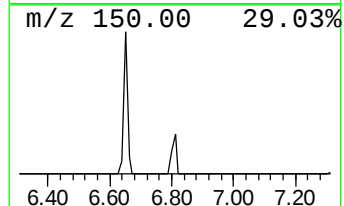
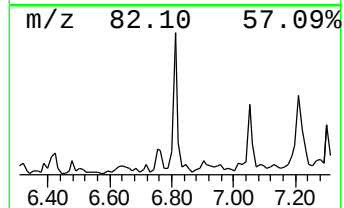
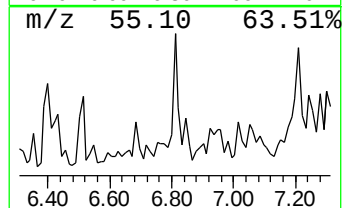
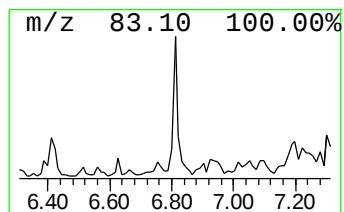
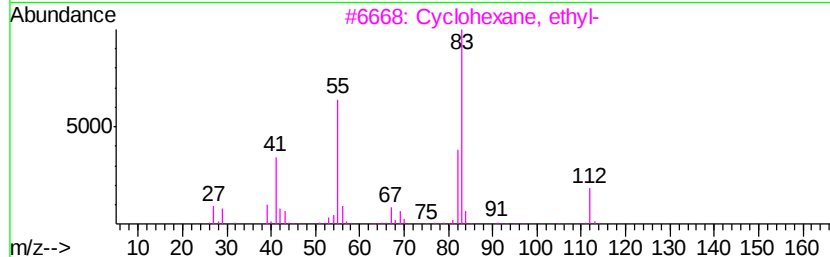
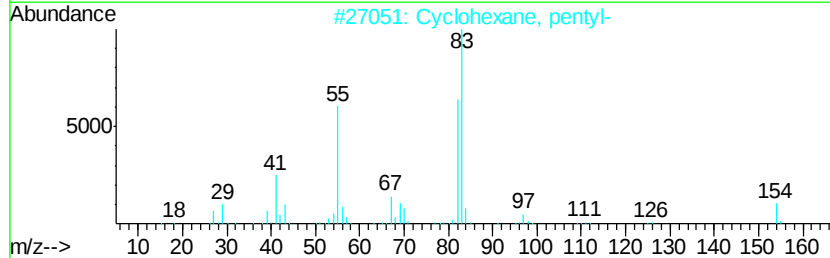
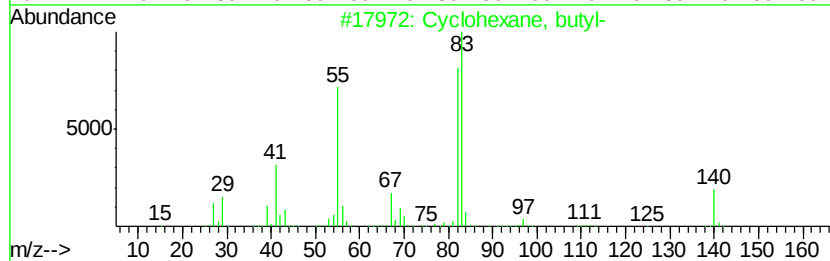
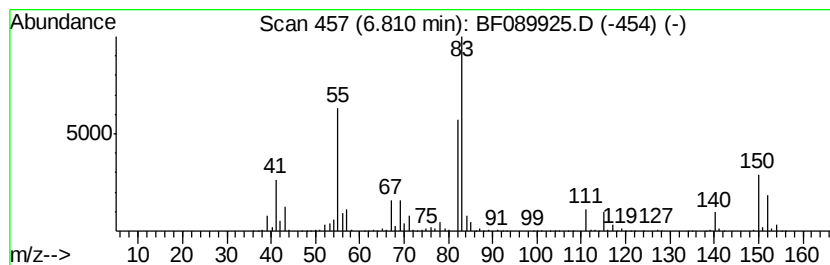
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclohexane, butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	74.30 ng	8091160	1,4-Dichlorobenzene-d4	6.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	70
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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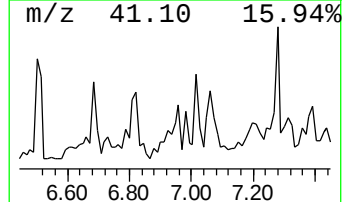
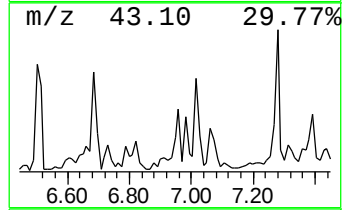
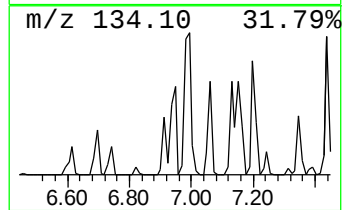
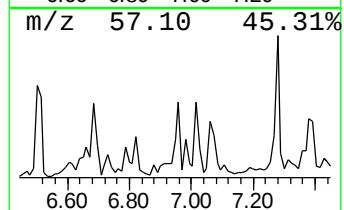
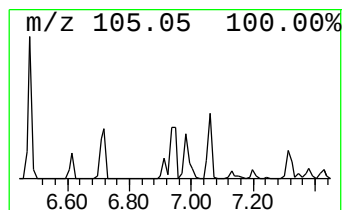
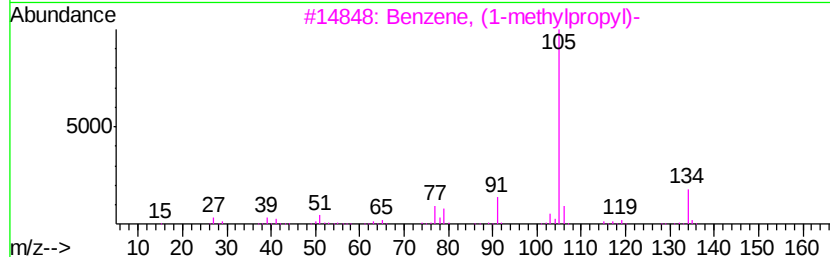
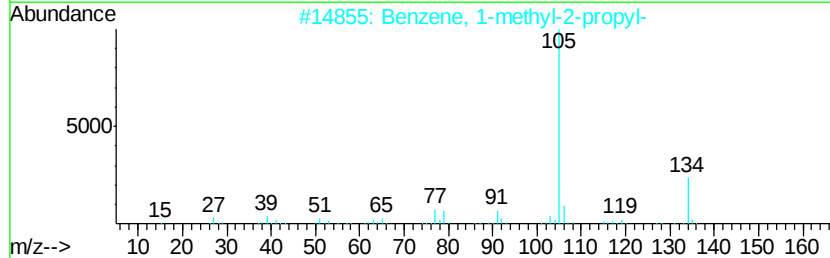
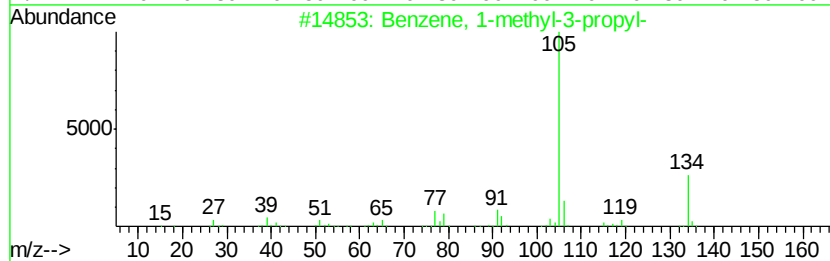
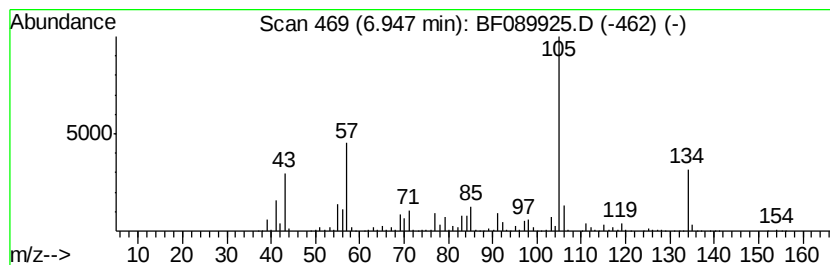
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1-methyl-3-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	88.46 ng	9633330	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	92
2		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	92
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64
5		2-Indanol	134	C9H10O	004254-29-9	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
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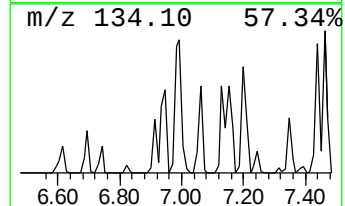
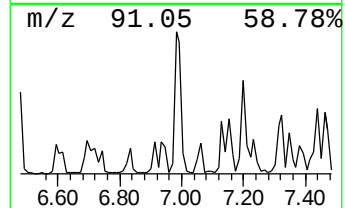
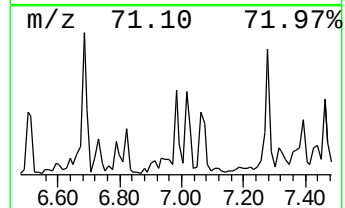
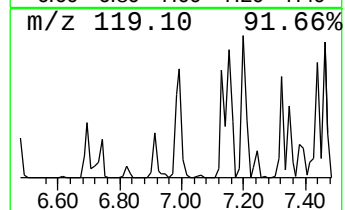
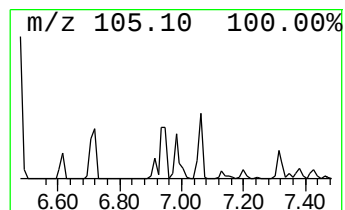
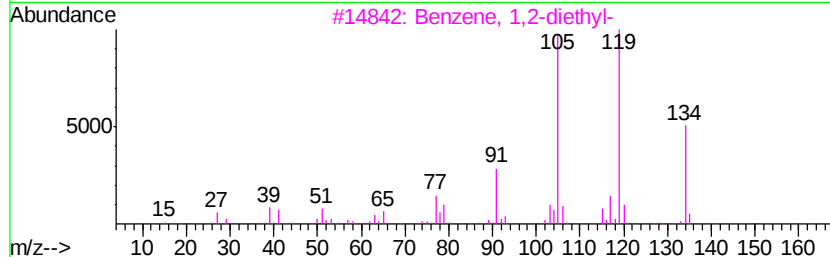
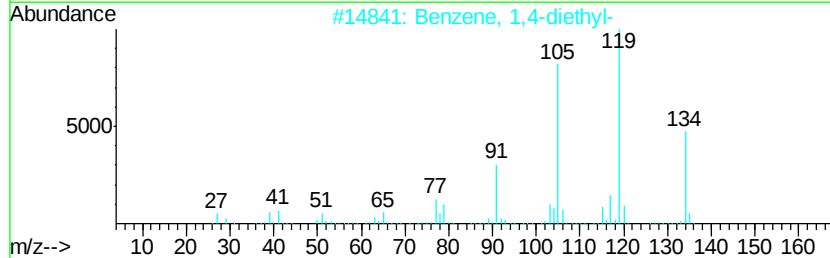
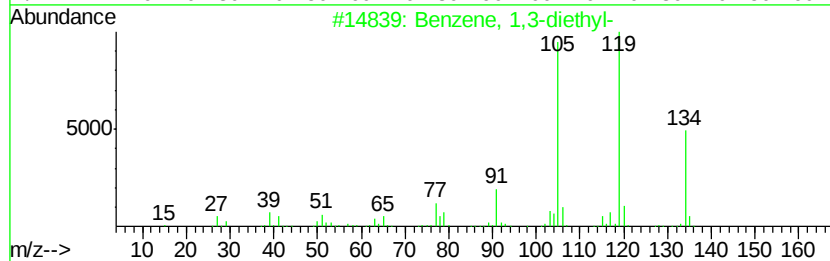
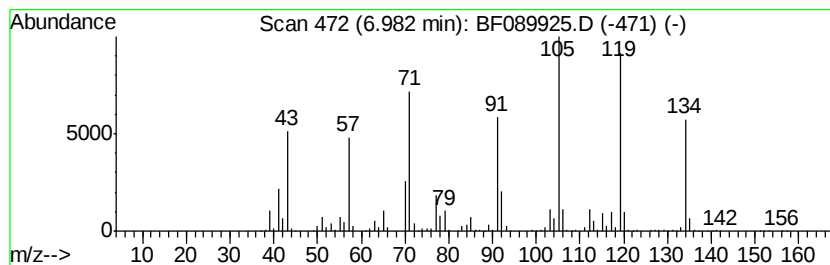
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SB-21B-(3.6-5)

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 9 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	45.13 ng	4914930	1,4-Dichlorobenzene-d4	6.65
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,3-diethyl-	134 C10H14	000141-93-5 95
2		Benzene, 1,4-diethyl-	134 C10H14	000105-05-5 83
3		Benzene, 1,2-diethyl-	134 C10H14	000135-01-3 83
4		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 70
5		1,3,8-p-Menthatriene	134 C10H14	018368-95-1 64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
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SB-21B-(3.6-5)

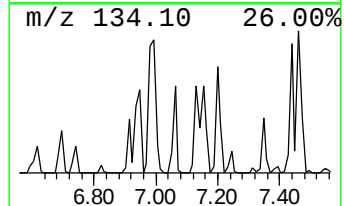
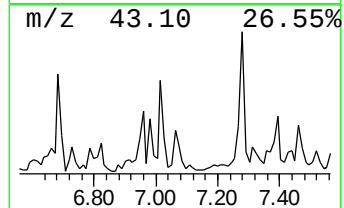
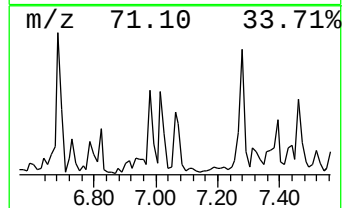
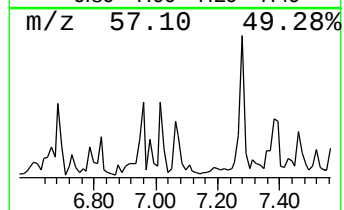
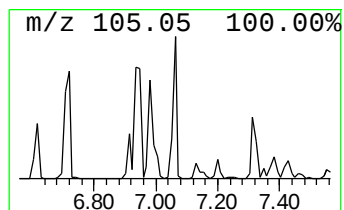
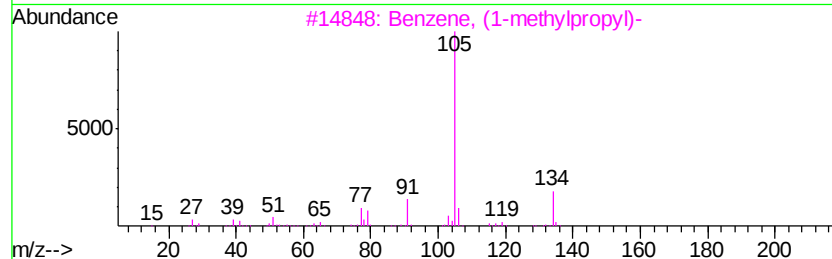
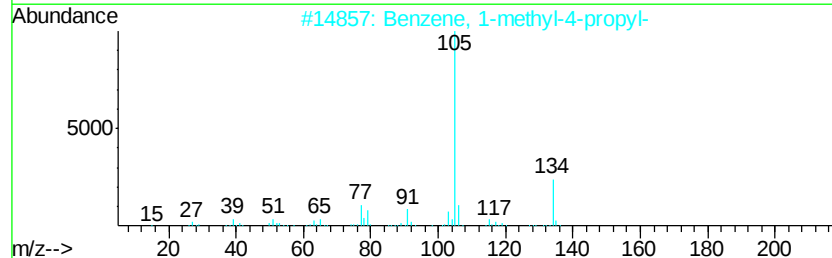
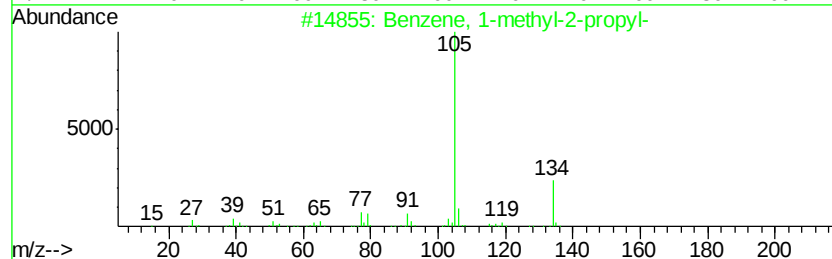
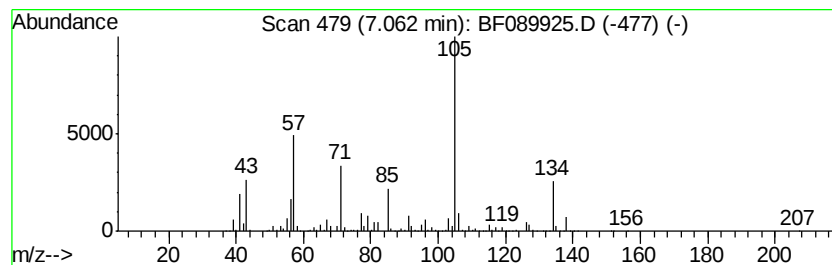
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1-methyl-2-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	51.86 ng	5648280	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	83
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	41
4		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	38
5		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
SB-21B-(3.6-5)

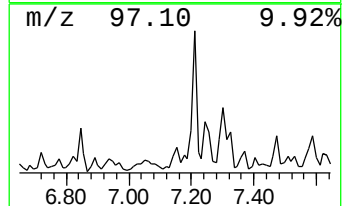
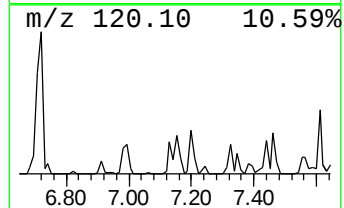
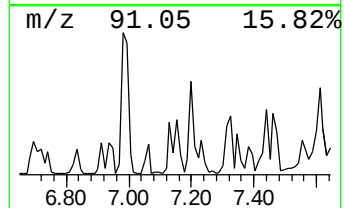
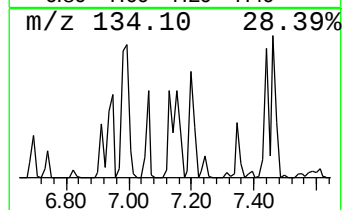
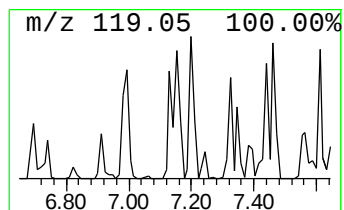
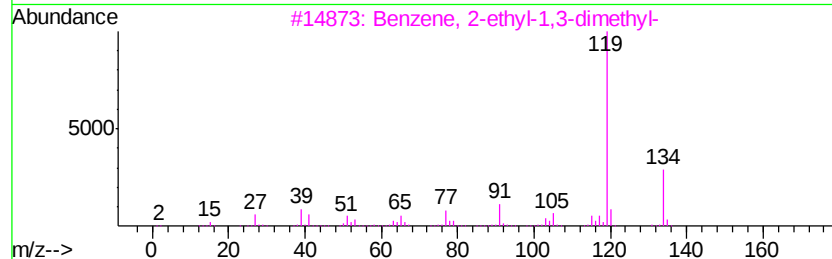
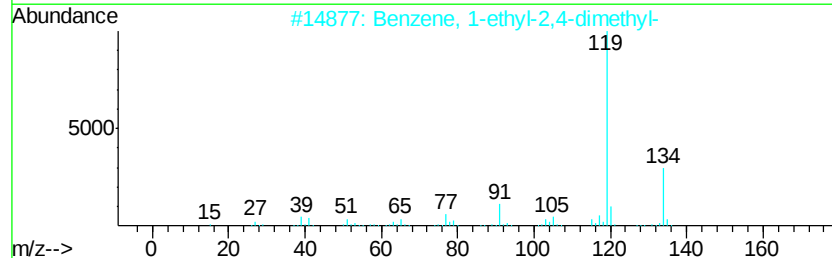
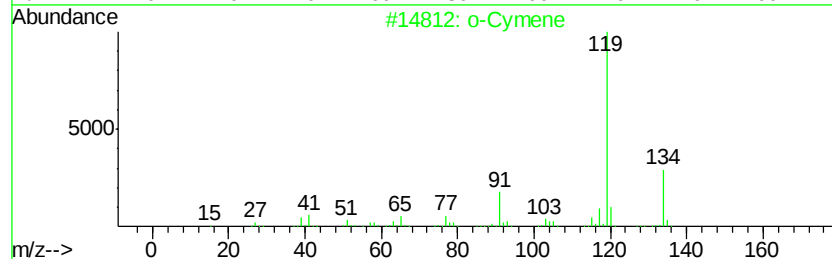
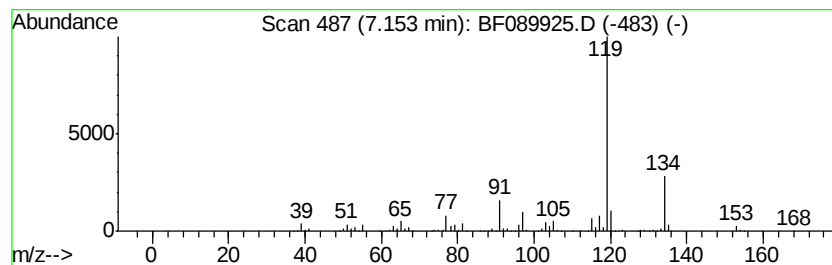
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 o-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	34.69 ng	3777440	1,4-Dichlorobenzene-d4	6.65

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-21B-(3.6-5)

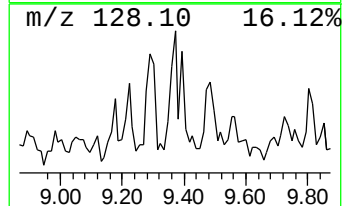
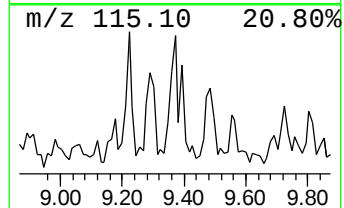
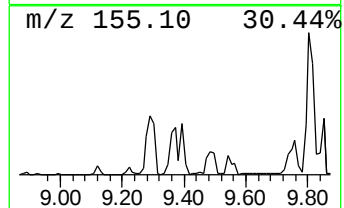
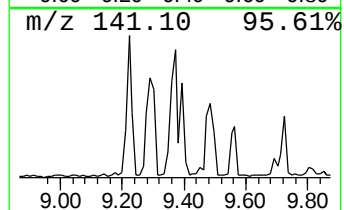
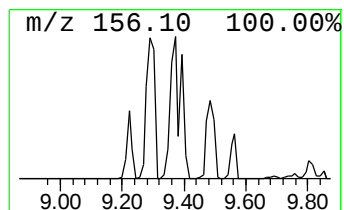
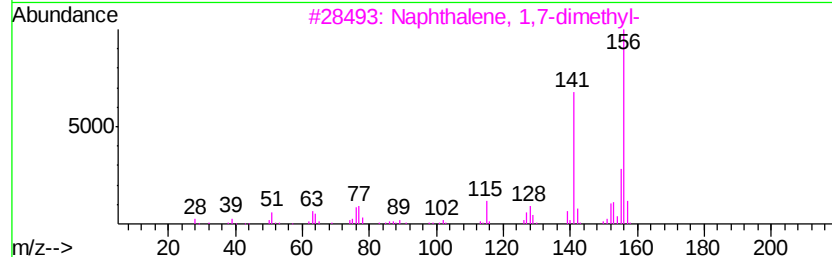
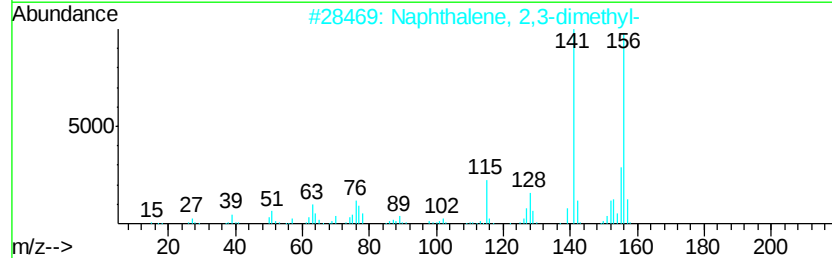
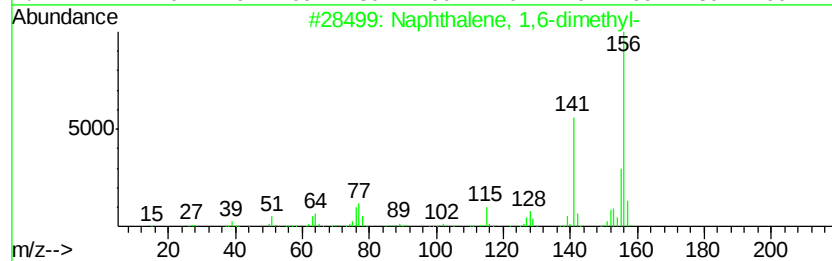
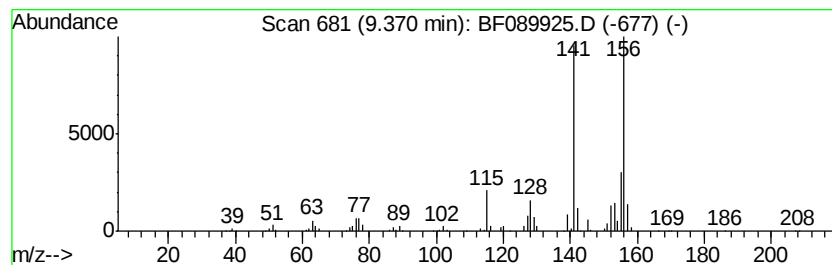
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	50.06 ng	13488100	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
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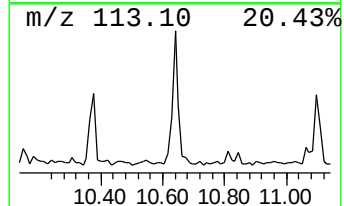
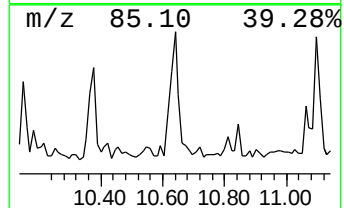
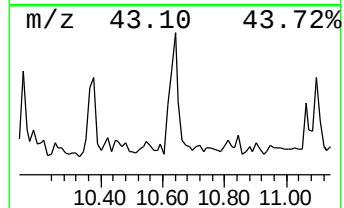
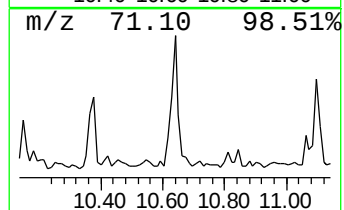
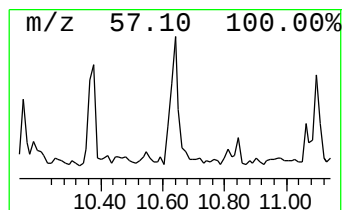
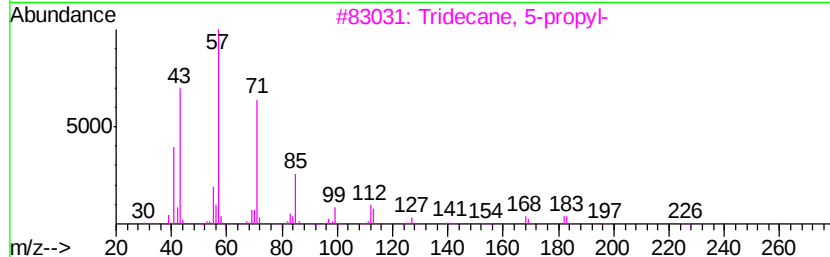
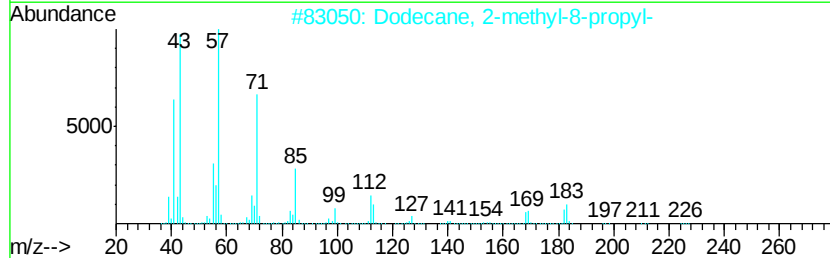
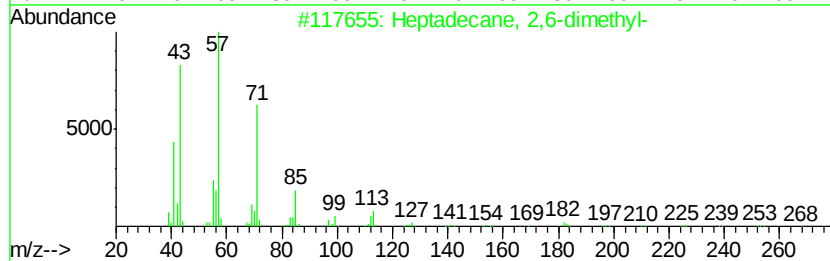
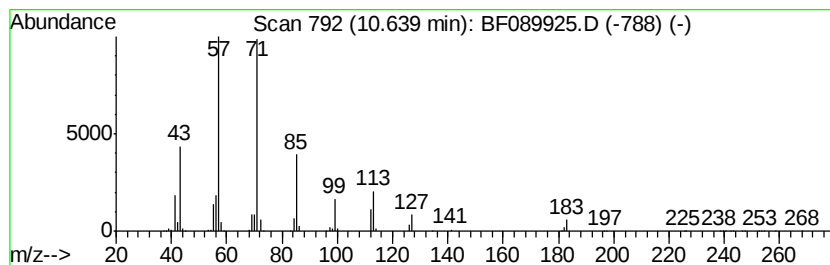
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.64	95.79 ng	7202740	Phenanthrene-d10	11.16		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	90
2		Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	87
3		Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
4		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	64
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
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Acq On : 26 Aug 2016 23:25
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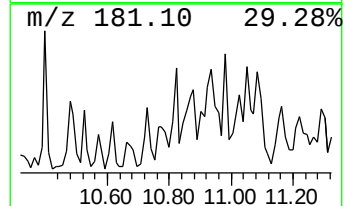
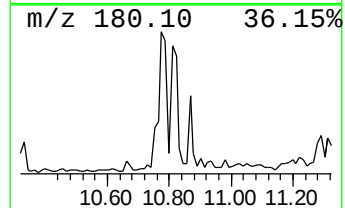
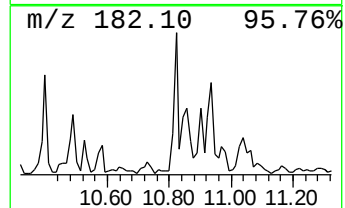
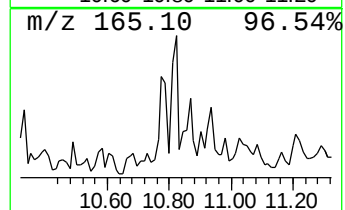
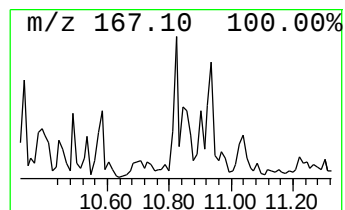
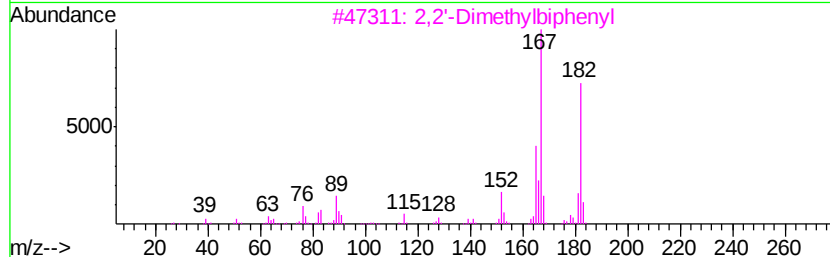
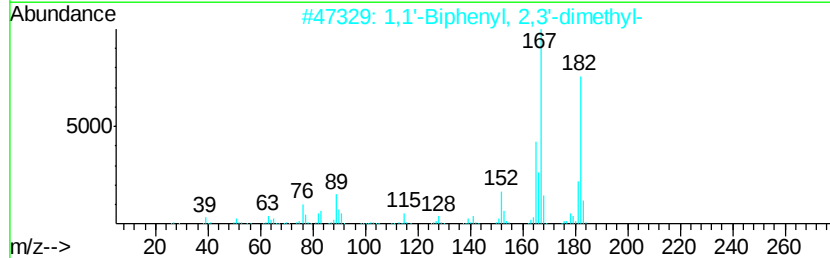
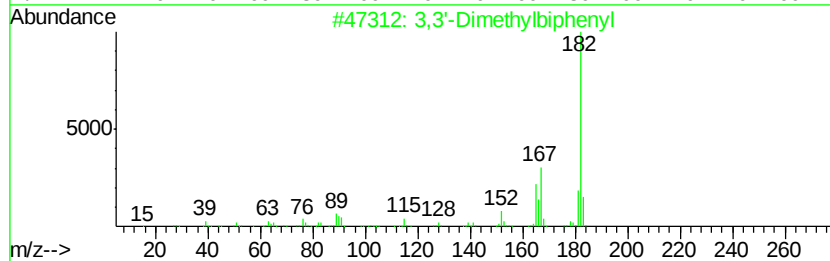
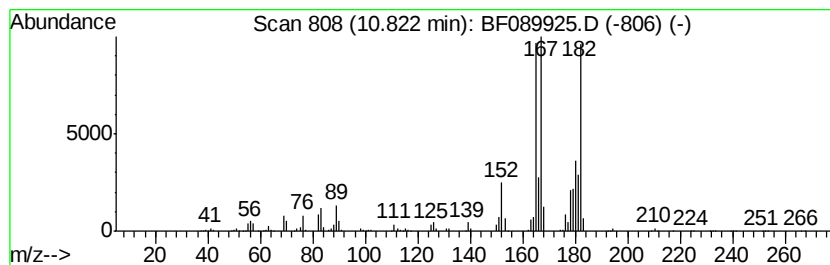
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 3,3'-Dimethylbiphenyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	44.44 ng	3341140	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	76
2		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	58
3		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	52
4		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	52
5		Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
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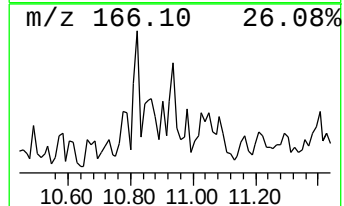
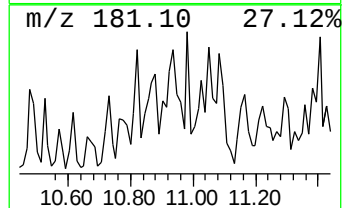
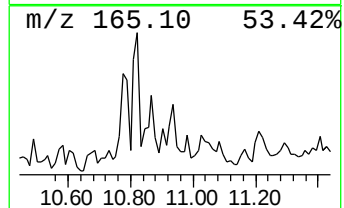
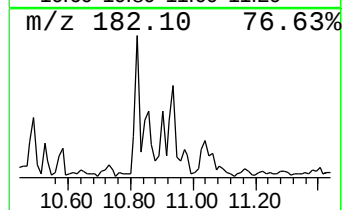
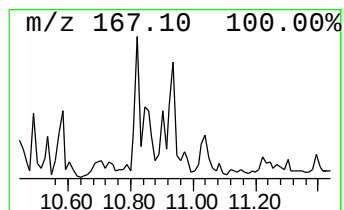
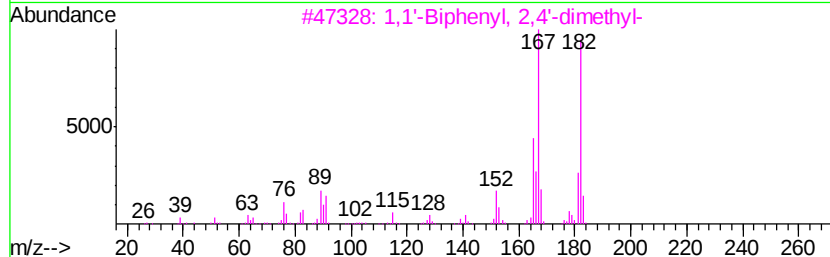
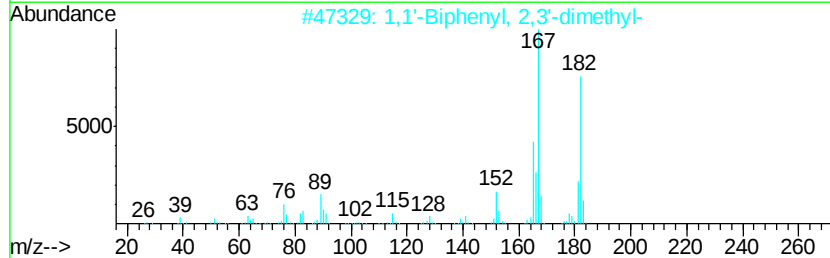
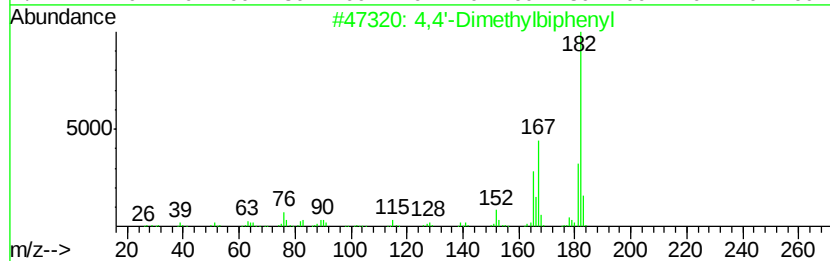
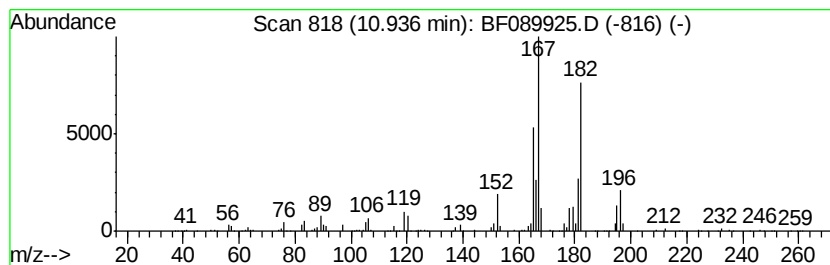
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4,4'-Dimethylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	32.87 ng	2471580	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	87
2		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	83
3		1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	80
4		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	68
5		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
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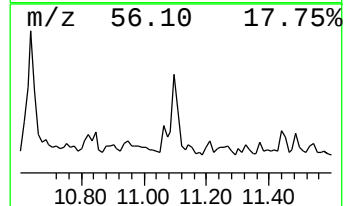
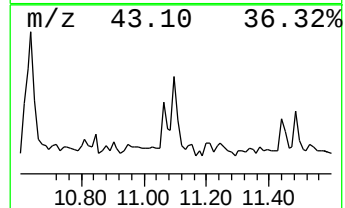
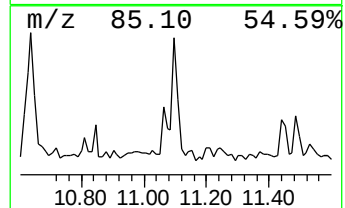
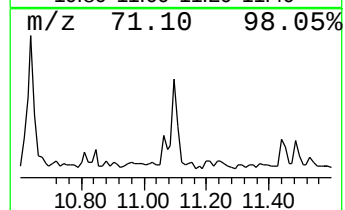
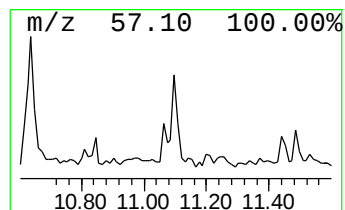
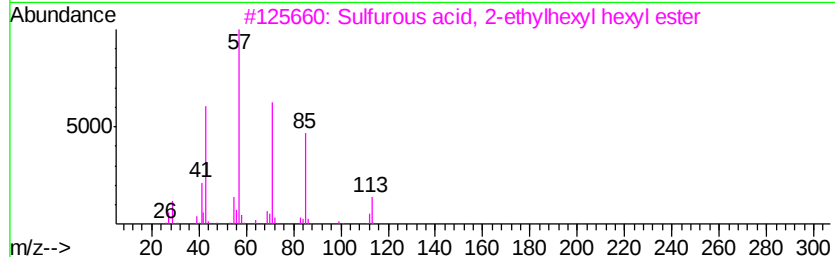
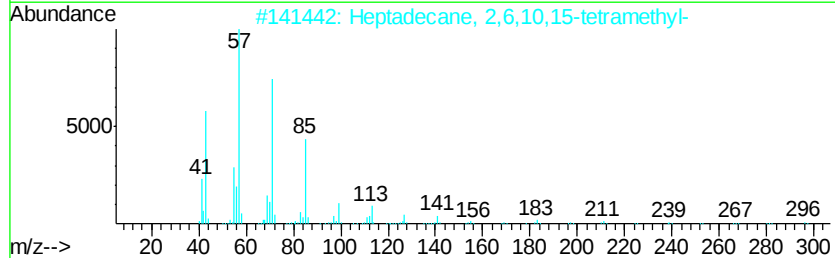
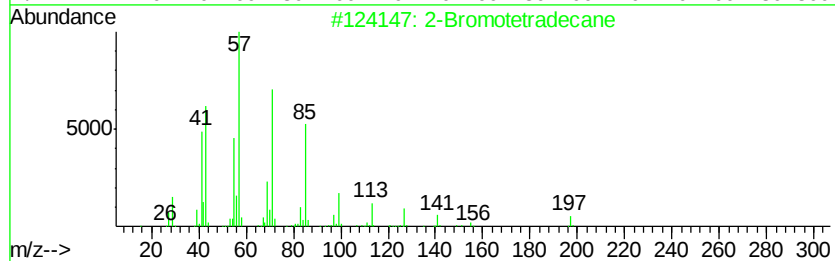
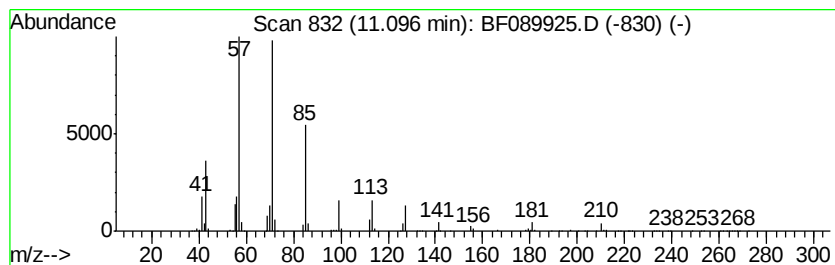
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2-Bromotetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	72.98 ng	5487120	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
3		Sulfurous acid, 2-ethylhexyl hexyl ester	278	C14H30O3S	1000309-20-2	64
4		Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
5		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
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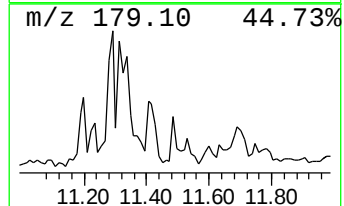
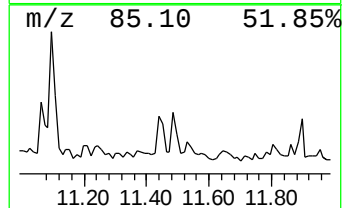
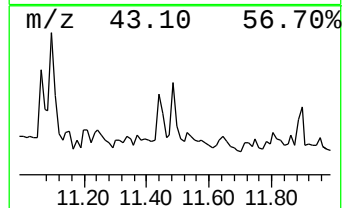
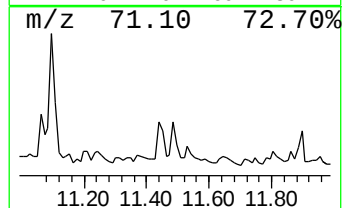
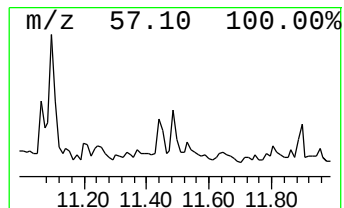
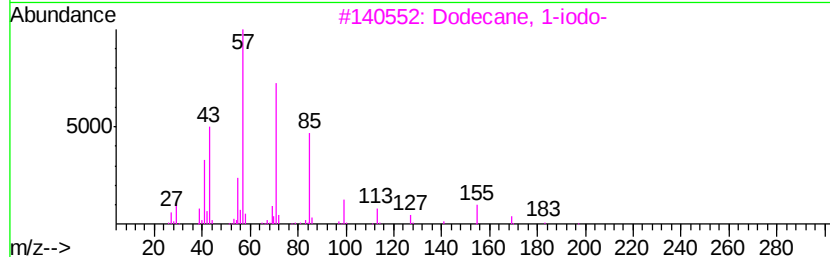
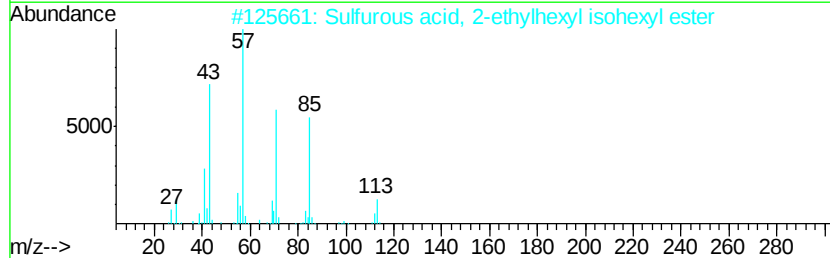
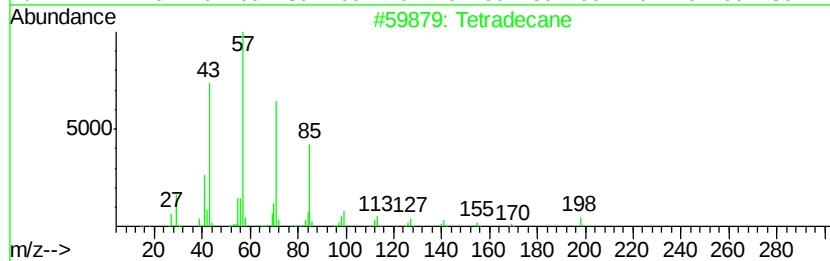
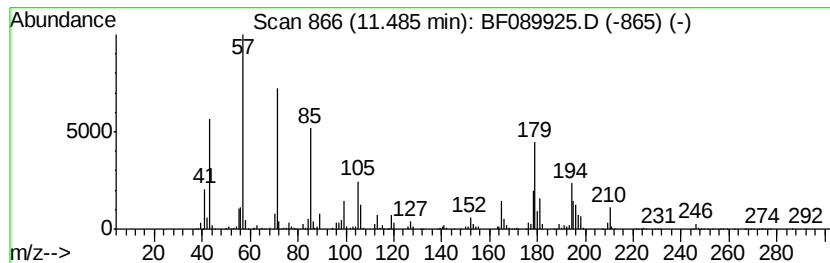
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown11.49 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	37.19 ng	2796110	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	35
2		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	30
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	30
4		Benzeneacetic acid, 2-tetradecyl...	332	C22H36O2	1000282-02-4	30
5		Hexadecane	226	C16H34	000544-76-3	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
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Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
SB-21B-(3.6-5)

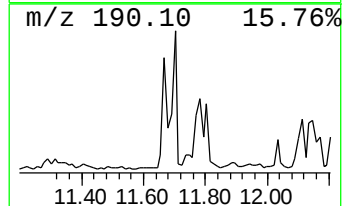
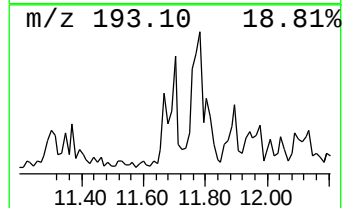
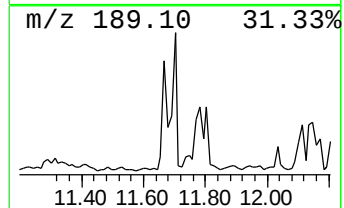
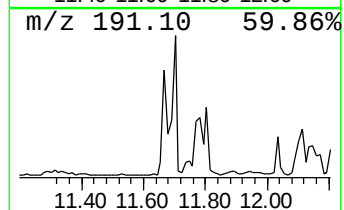
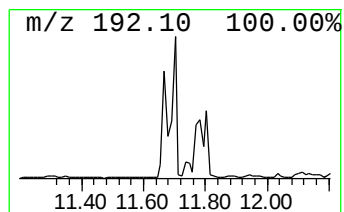
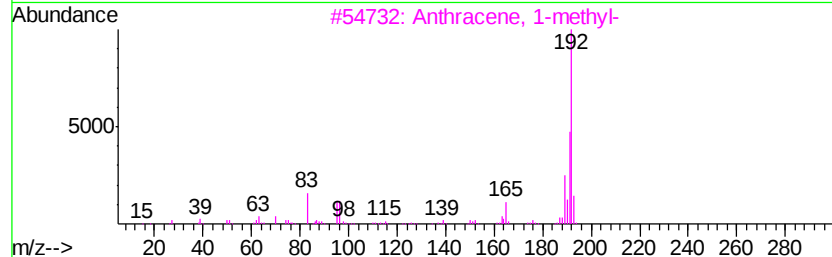
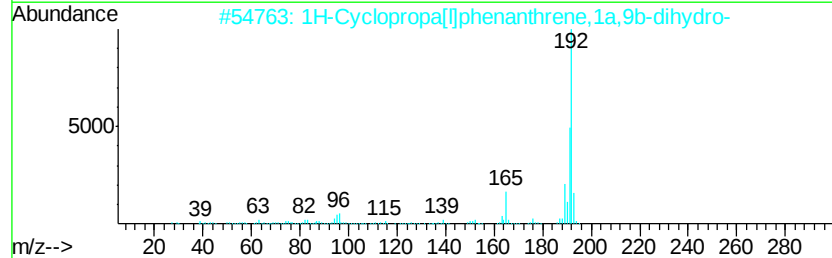
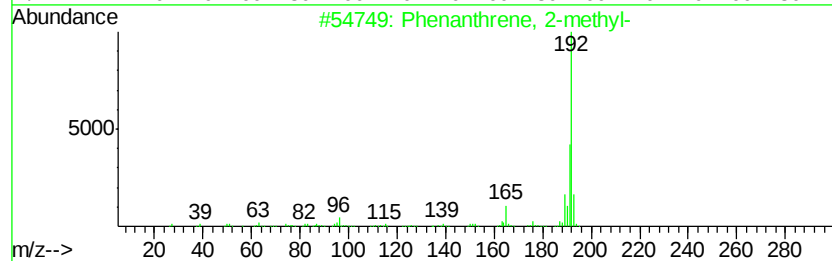
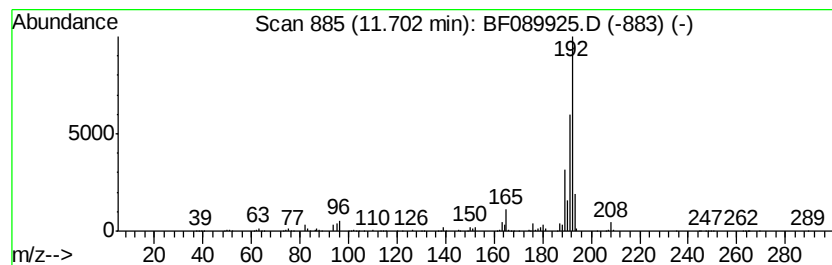
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	45.36 ng	3410410	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21B-(3.6-5)

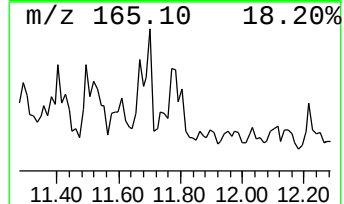
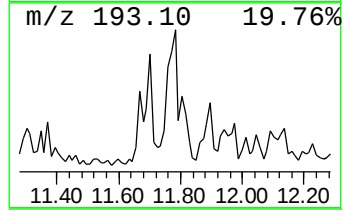
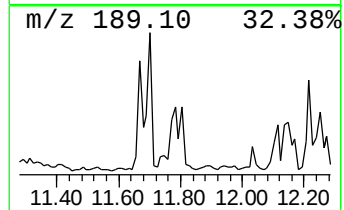
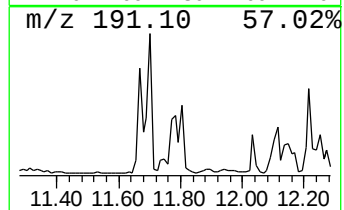
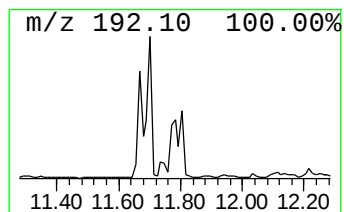
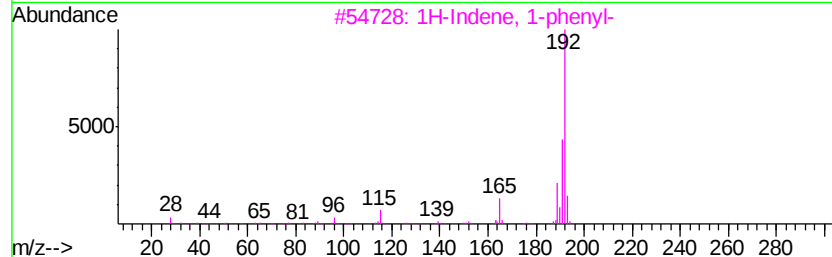
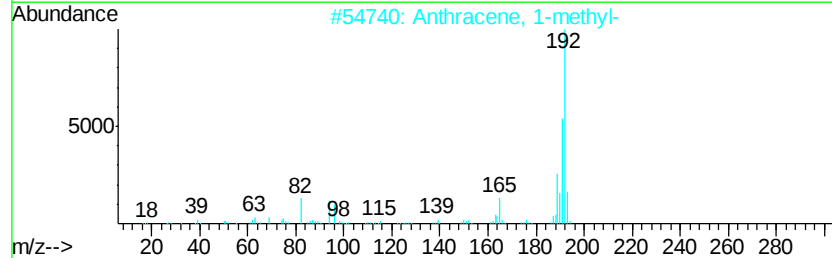
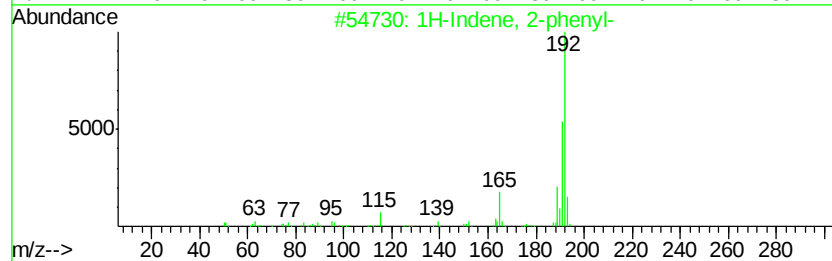
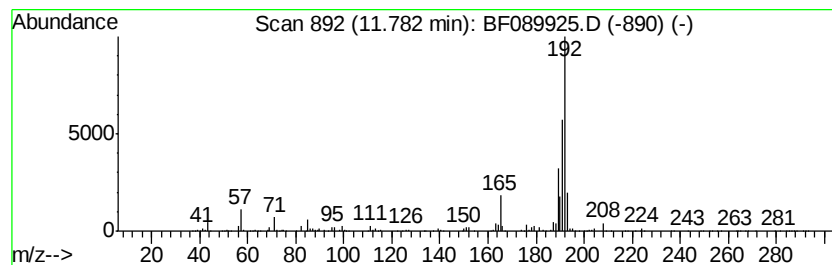
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1H-Indene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	76.95 ng	5786030	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089925.D
Acq On : 26 Aug 2016 23:25
Operator : UM/SJ
Sample : H4576-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21B-(3.6-5)

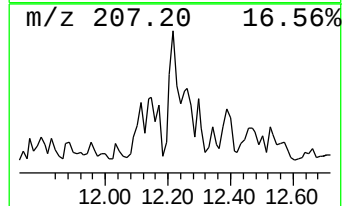
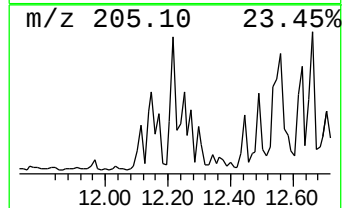
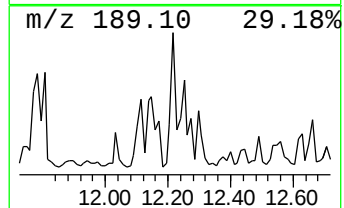
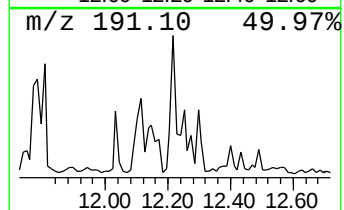
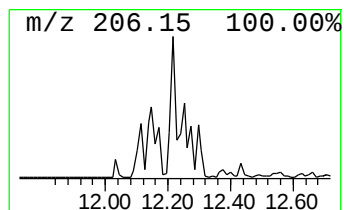
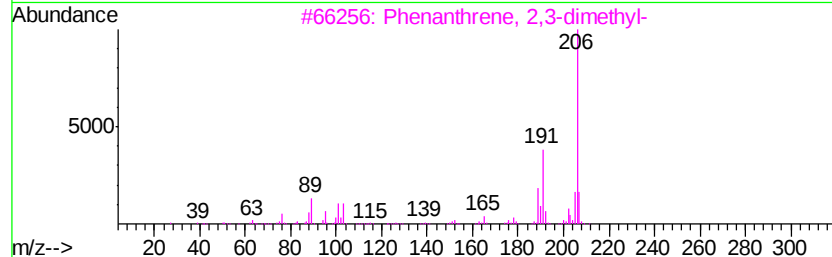
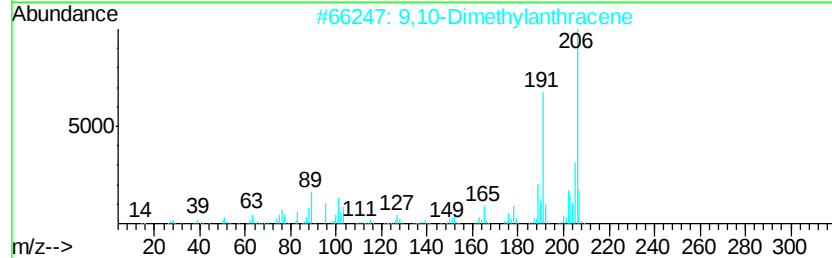
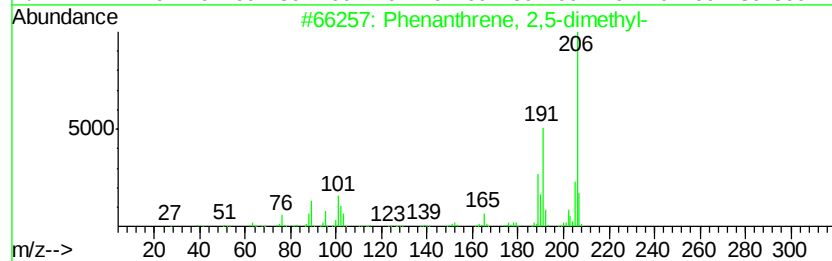
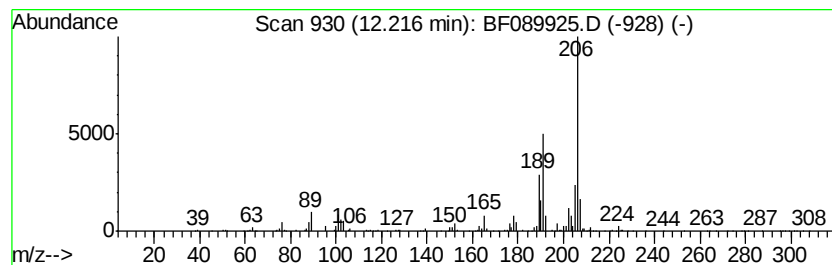
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	49.87 ng	3749930	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
 Data File : BF089925.D
 Acq On : 26 Aug 2016 23:25
 Operator : UM/SJ
 Sample : H4576-07 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

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
Octane, 2,6-dimet...	5.90	33.5	ng	3644440	1	6.65	2178120	20.0
Benzene, 1-ethyl...	6.17	52.6	ng	5724670	1	6.65	2178120	20.0
unknown6.41	6.41	40.0	ng	4359030	1	6.65	2178120	20.0
Benzene, 1,2,3-tr...	6.48	43.7	ng	4763780	1	6.65	2178120	20.0
Tetradecane	6.50	42.5	ng	4623930	1	6.65	2178120	20.0
Cyclohexane, butyl-	6.81	74.3	ng	8091160	1	6.65	2178120	20.0
Benzene, 1-methyl...	6.95	88.5	ng	9633330	1	6.65	2178120	20.0
Benzene, 1,3-diet...	6.98	45.1	ng	4914930	1	6.65	2178120	20.0
Benzene, 1-methyl...	7.06	51.9	ng	5648280	1	6.65	2178120	20.0
o-Cymene	7.15	34.7	ng	3777440	1	6.65	2178120	20.0
Naphthalene, 1,6-...	9.37	50.1	ng	13488100	3	9.69	5388730	20.0
Heptadecane, 2,6-...	10.64	95.8	ng	7202740	4	11.16	1503810	20.0
3,3'-Dimethylbiph...	10.82	44.4	ng	3341140	4	11.16	1503810	20.0
4,4'-Dimethylbiph...	10.94	32.9	ng	2471580	4	11.16	1503810	20.0
2-Bromotetradecane	11.10	73.0	ng	5487120	4	11.16	1503810	20.0
unknown11.49	11.49	37.2	ng	2796110	4	11.16	1503810	20.0
Phenanthrene, 2-m...	11.70	45.4	ng	3410410	4	11.16	1503810	20.0
1H-Indene, 2-phenyl-	11.78	77.0	ng	5786030	4	11.16	1503810	20.0
Phenanthrene, 2,5...	12.22	49.9	ng	3749930	4	11.16	1503810	20.0