

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
 Data File : BF091692.D
 Acq On : 17 Dec 2016 00:13
 Operator : UM/SJ
 Sample : H6125-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16

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-BF120916.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.784	231	236	238	rBV	682280	871110	3.40%	0.159%
2	4.876	241	244	247	rVB2	1188114	1905360	7.44%	0.348%
3	4.944	247	250	253	rBV2	2027241	3539925	13.81%	0.646%
4	5.150	266	268	270	rBV	1061481	1385210	5.41%	0.253%
5	5.390	286	289	291	rVB	3860646	5416920	21.14%	0.988%
6	5.447	291	294	297	rBV3	447648	805498	3.14%	0.147%
7	5.527	299	301	303	rBV	1381774	1770327	6.91%	0.323%
8	5.573	303	305	307	rVB	2133265	1896627	7.40%	0.346%
9	5.618	307	309	313	rVB2	1523810	2335668	9.11%	0.426%
10	5.790	320	324	326	rBV2	3352908	5759573	22.48%	1.051%
11	5.836	326	328	330	rBV2	1654577	2747531	10.72%	0.501%
12	5.927	333	336	339	rVB2	5316849	7073459	27.60%	1.290%
13	5.984	339	341	343	rBV2	2175507	3835471	14.97%	0.700%
14	6.030	343	345	348	rBV2	7966686	11895759	46.42%	2.170%
15	6.087	348	350	351	rBV	2529189	2896549	11.30%	0.528%
16	6.121	351	353	359	rVB3	2294755	7567067	29.53%	1.381%
17	6.236	359	363	366	rBV2	3647302	10272661	40.09%	1.874%
18	6.316	367	370	375	rVB2	4553510	10559018	41.21%	1.926%
19	6.430	375	380	383	rBV3	7845545	18621117	72.67%	3.397%
20	6.487	383	385	386	rVB	1443831	1567208	6.12%	0.286%
21	6.556	386	391	395	rBV3	7523995	20721588	80.86%	3.780%
22	6.647	395	399	401	rBV3	2692810	5037635	19.66%	0.919%
23	6.750	403	408	409	rBV3	3667124	9615591	37.52%	1.754%
24	6.784	409	411	412	rBV2	1085466	1232236	4.81%	0.225%
25	6.819	412	414	416	rVB	3635625	5015192	19.57%	0.915%
26	6.864	416	418	419	rBV	1543264	2667042	10.41%	0.487%
27	6.944	422	425	430	rVB6	8632859	22393606	87.39%	4.085%
28	7.070	430	436	439	rBV3	3990915	13334646	52.04%	2.433%
29	7.116	439	440	441	rBV	1002857	1051728	4.10%	0.192%
30	7.150	441	443	444	rBV2	1174881	1765184	6.89%	0.322%
31	7.196	444	447	453	rVB3	5098394	11685038	45.60%	2.132%
32	7.344	455	460	463	rBV4	8420726	25625438	100.00%	4.675%
33	7.447	467	469	472	rVB3	4895538	8670923	33.84%	1.582%
34	7.527	472	476	478	rBV2	3068736	8745496	34.13%	1.595%

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 Integrator: RTE
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 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.607	478	483	486	rVB4	5194295	17798329	69.46%	3.247%
36	7.722	489	493	497	rBV6	5373682	16503258	64.40%	3.011%
37	7.836	500	503	508	rVB3	4596797	13443511	52.46%	2.453%
38	7.927	508	511	513	rBV2	4540537	8870581	34.62%	1.618%
39	7.973	513	515	516	rBV	2038758	3919145	15.29%	0.715%
40	8.316	539	545	548	rBV7	3001288	11814486	46.10%	2.155%
41	8.544	562	565	569	rVV2	5762743	13127957	51.23%	2.395%
42	8.613	569	571	573	rVB2	2587912	2871813	11.21%	0.524%
43	8.807	586	588	591	rVB2	5316557	10723204	41.85%	1.956%
44	9.139	614	617	619	rBV2	5626355	9111847	35.56%	1.662%
45	9.265	625	628	630	rBV2	3172953	7370422	28.76%	1.345%
46	9.516	646	650	651	rBV3	3762504	8284271	32.33%	1.511%
47	9.585	654	656	659	rVB2	6069587	11042393	43.09%	2.015%
48	9.836	676	678	680	rVV3	2272042	4117711	16.07%	0.751%
49	9.882	680	682	683	rVV2	2152134	2760100	10.77%	0.504%
50	9.950	686	688	690	rVB	3880313	4736361	18.48%	0.864%
51	9.996	690	692	694	rBV3	1425972	3329273	12.99%	0.607%
52	10.042	694	696	698	rVB2	4387697	4803906	18.75%	0.876%
53	10.087	698	700	704	rVB3	3185975	7459488	29.11%	1.361%
54	10.156	704	706	709	rBV2	3047895	5102737	19.91%	0.931%
55	10.248	712	714	717	rVB2	2717525	3948111	15.41%	0.720%
56	10.293	717	718	719	rBV	968223	980839	3.83%	0.179%
57	10.373	723	725	729	rBV4	2577813	4892505	19.09%	0.893%
58	10.488	732	735	737	rVB	6161139	7050302	27.51%	1.286%
59	10.533	737	739	741	rVB3	1773943	2229816	8.70%	0.407%
60	10.613	744	746	748	rVB2	2097798	2546745	9.94%	0.465%
61	10.750	755	758	761	rVB2	7023675	8714844	34.01%	1.590%
62	10.808	761	763	766	rVV3	691640	953362	3.72%	0.174%
63	10.910	770	772	774	rVB3	1027862	1489394	5.81%	0.272%
64	10.945	774	775	778	rBV3	1109137	1386961	5.41%	0.253%
65	11.208	796	798	800	rVB2	2531616	3265668	12.74%	0.596%
66	11.265	800	803	805	rVB2	1168264	2046044	7.98%	0.373%
67	11.333	805	809	810	rVB	3783674	5881548	22.95%	1.073%
68	11.379	810	813	814	rVB	839844	941933	3.68%	0.172%
69	11.448	817	819	823	rVB5	486167	911512	3.56%	0.166%
70	11.528	824	826	827	rBV	740325	817777	3.19%	0.149%
71	11.562	827	829	831	rBV3	1346916	1929904	7.53%	0.352%

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Integrator: RTE

Smoothing : ON

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72	11.596	831	832	834	rBV2	1522747	1806101	7.05%	0.329%
73	11.642	834	836	839	rVB3	533838	1001219	3.91%	0.183%
74	11.699	839	841	843	rBV	3432323	3439724	13.42%	0.628%
75	11.802	848	850	851	rVV	2596848	3391615	13.24%	0.619%
76	11.859	851	855	856	rVV2	2508492	3918093	15.29%	0.715%
77	11.893	856	858	859	rVV	3772723	4479521	17.48%	0.817%
78	11.928	859	861	864	rVV3	1960673	4223307	16.48%	0.770%
79	11.996	864	867	870	rVV3	2759237	6407100	25.00%	1.169%
80	12.053	870	872	874	rVV3	2457421	5024421	19.61%	0.917%
81	12.099	874	876	878	rVV	5386612	8972649	35.01%	1.637%
82	12.168	878	882	886	rVB4	1963388	5299344	20.68%	0.967%
83	12.248	886	889	894	rBV6	1704923	4571179	17.84%	0.834%
84	12.339	894	897	899	rVV	4885224	7547436	29.45%	1.377%
85	12.431	902	905	907	rVV	2457523	3696714	14.43%	0.674%
86	12.511	910	912	914	rBV	1949086	2626394	10.25%	0.479%
87	12.545	914	915	917	rVB2	679554	931874	3.64%	0.170%
88	12.739	929	932	934	rBV	2422289	2656009	10.36%	0.485%
89	12.853	940	942	943	rBV	2580878	2357943	9.20%	0.430%
90	12.888	943	945	947	rVB	3066692	3280786	12.80%	0.599%
91	13.013	953	956	959	rBV4	673847	1343479	5.24%	0.245%
92	13.162	967	969	971	rVV	692986	958918	3.74%	0.175%
93	13.916	1032	1035	1037	rBV2	2184968	3806225	14.85%	0.694%
94	14.408	1074	1078	1084	rVB4	305643	940320	3.67%	0.172%
95	14.934	1121	1124	1129	rBV	1406146	2743424	10.71%	0.501%
96	15.208	1146	1148	1151	rVB	659577	1029408	4.02%	0.188%
97	15.265	1151	1153	1156	rVB	977211	1451153	5.66%	0.265%
98	15.322	1156	1158	1160	rBV	758871	1240710	4.84%	0.226%
99	16.671	1273	1276	1280	rVB2	431349	799230	3.12%	0.146%
100	17.071	1308	1311	1315	rBV	337953	730312	2.85%	0.133%

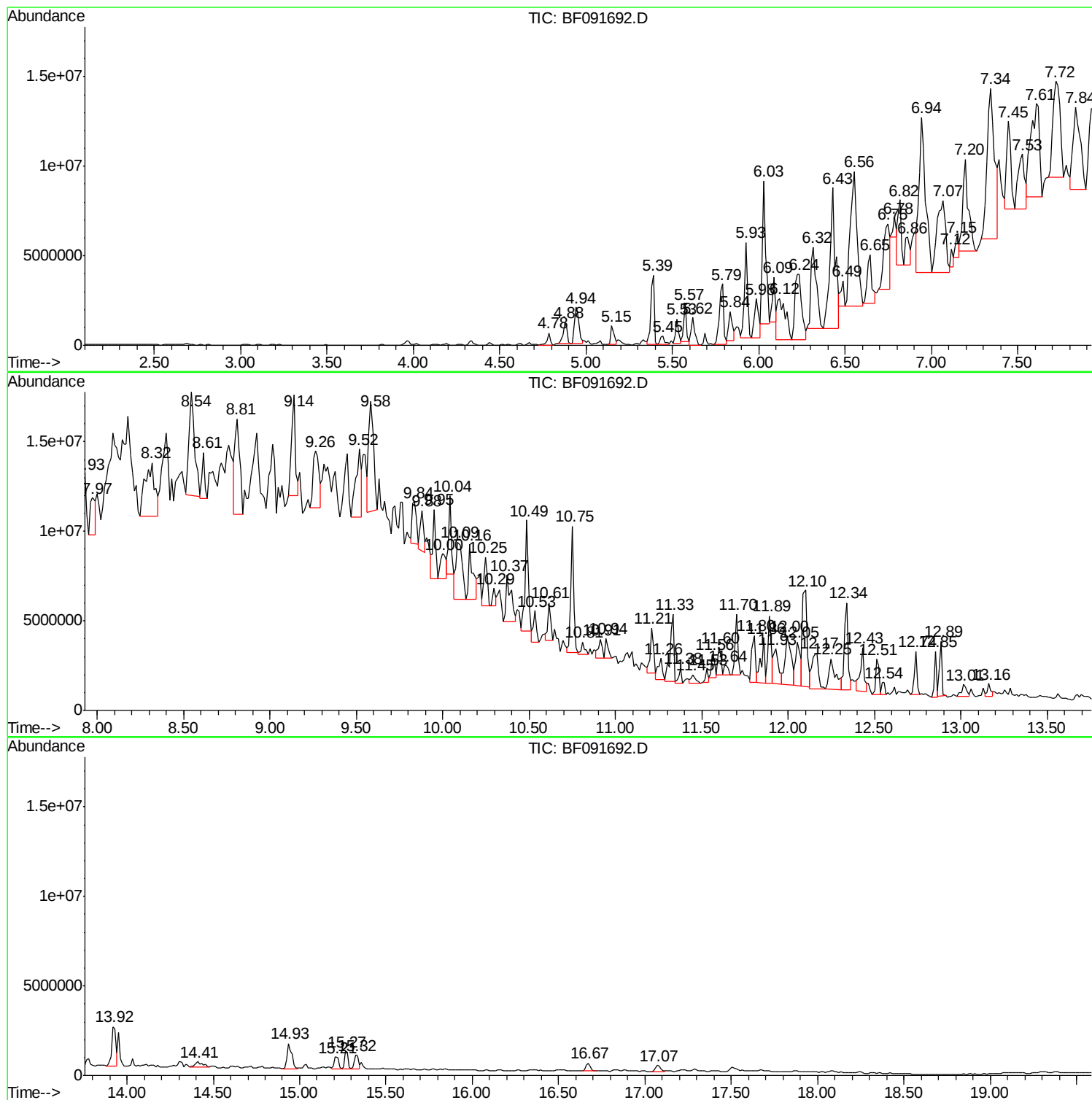
Sum of corrected areas: 548136067

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-49(11-13)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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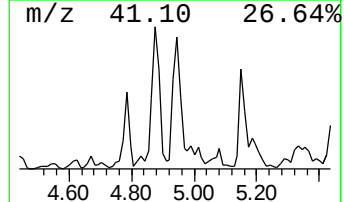
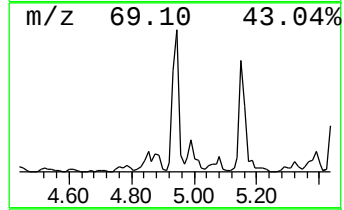
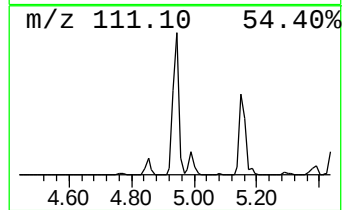
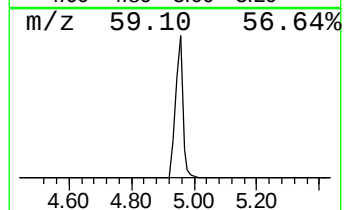
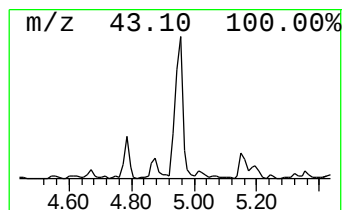
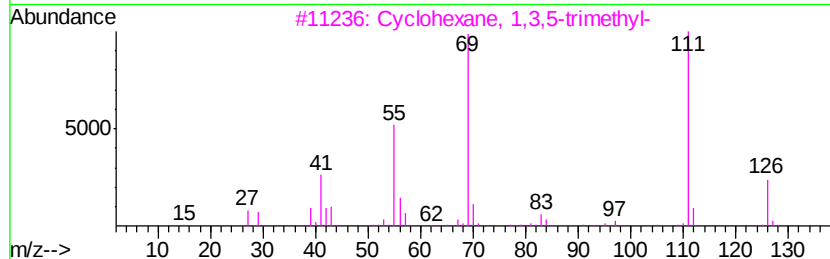
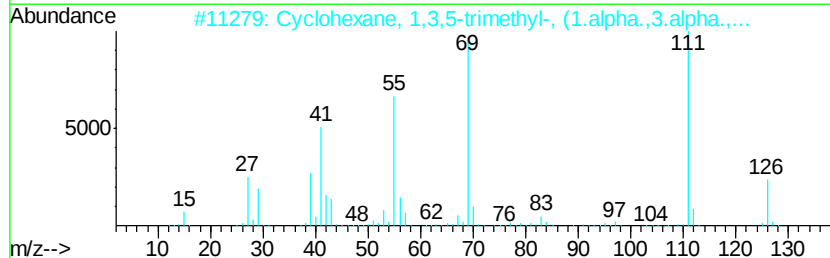
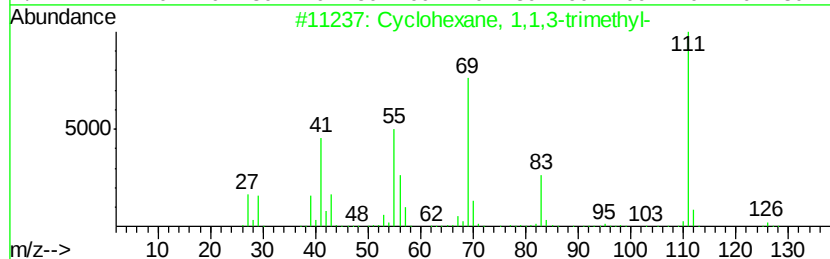
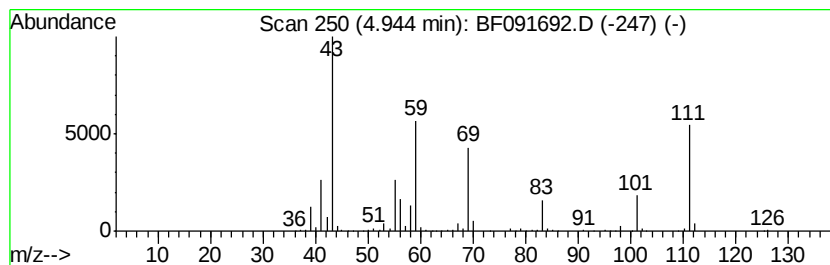
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown4.94 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	57.46 ng	3539930	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	38
2		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	27
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	27
4		3-Octanol	130	C8H18O	020296-29-1	25
5		2(1H)-Pyrimidinone, 4-amino-	111	C4H5N3O	000071-30-7	25



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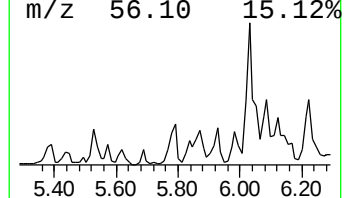
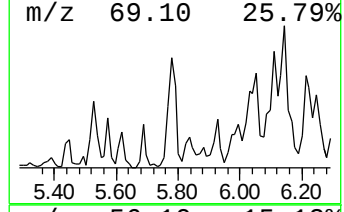
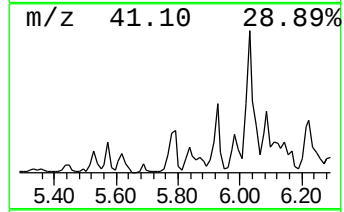
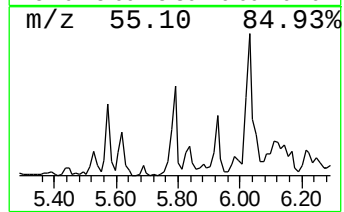
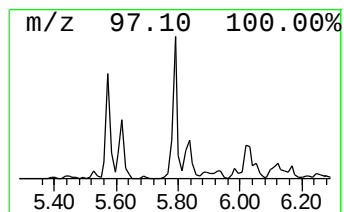
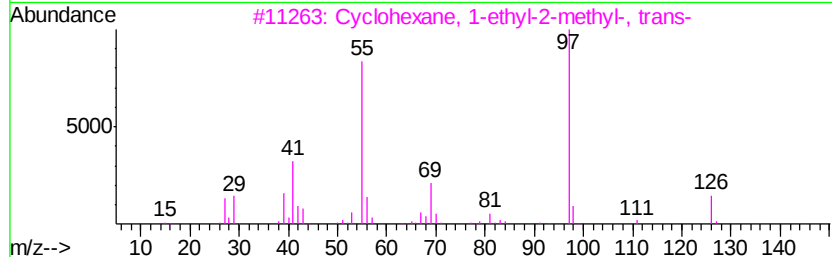
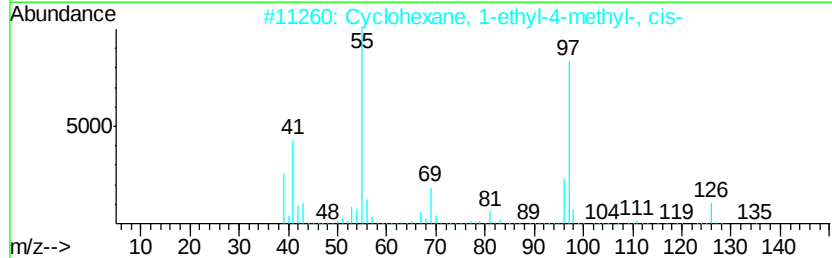
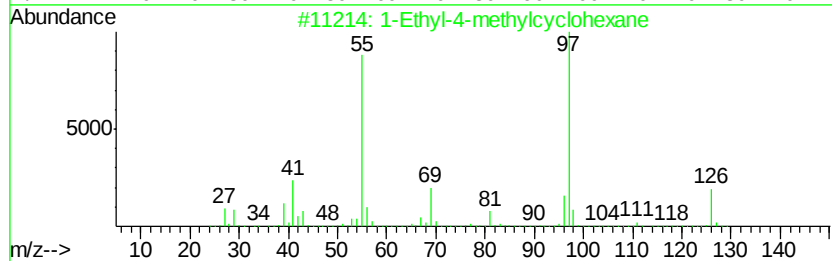
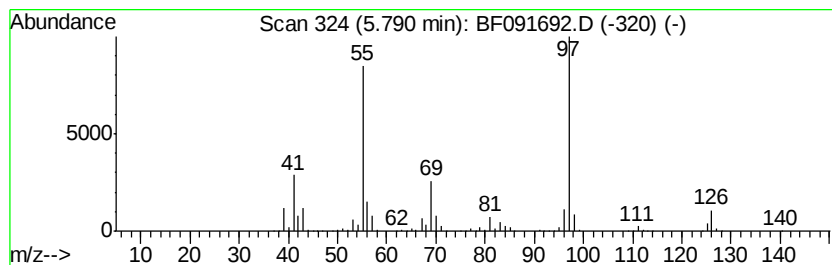
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 1-Ethyl-4-methylcyclohexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	93.48 ng	5759570	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	90
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
4		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83



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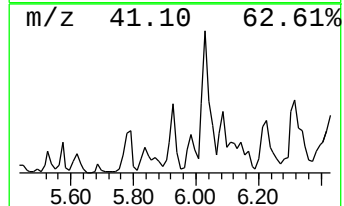
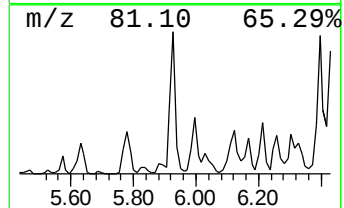
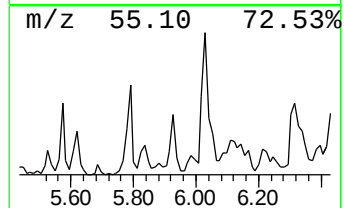
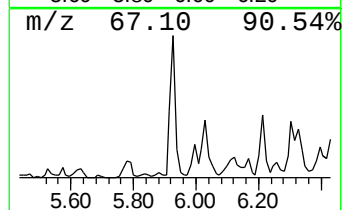
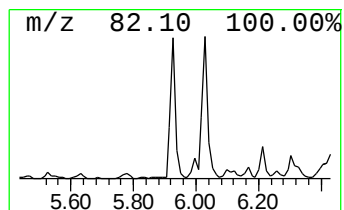
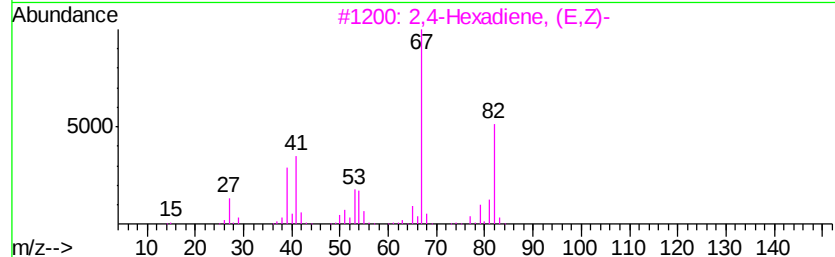
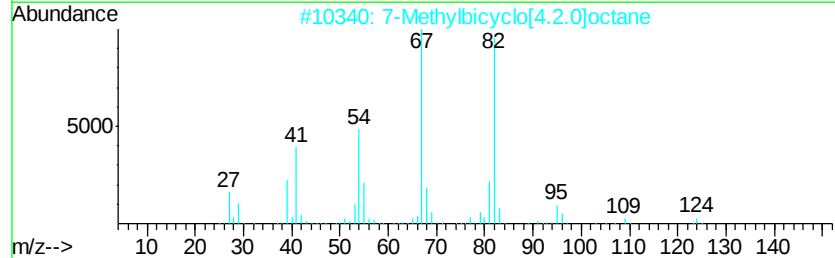
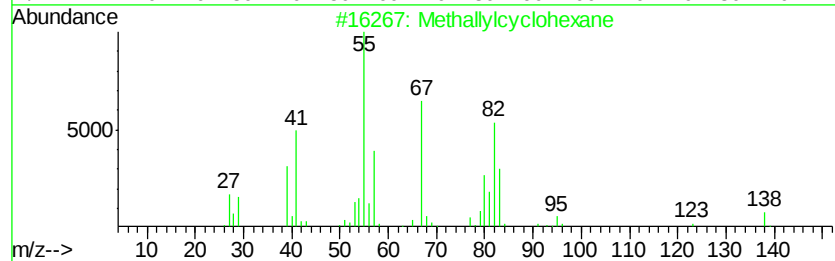
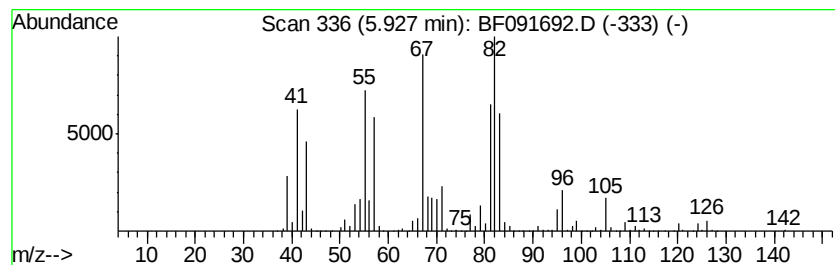
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Methallylcyclohexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	114.81 ng	7073460	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methallylcyclohexane	138	C10H18	003990-93-0	64
2	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	58
3	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	49
4	trans-1,4-Hexadiene	82	C6H10	007319-00-8	47
5	2-Cyclohexen-1-one, 4,5-dimethyl-	124	C8H12O	005715-25-3	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-49(11-13)-12-14-16

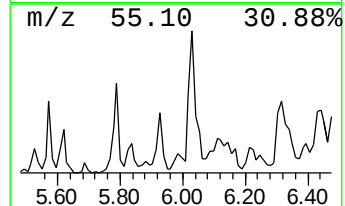
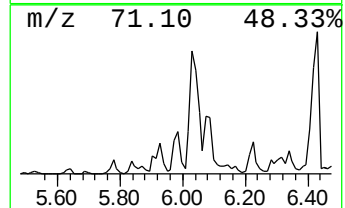
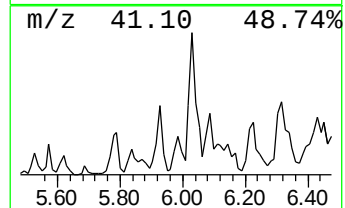
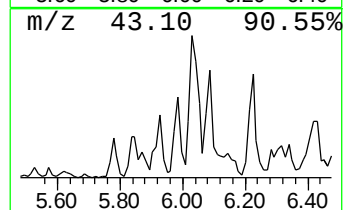
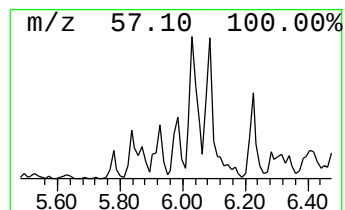
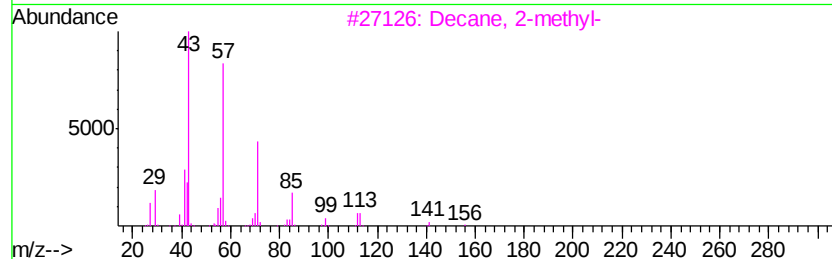
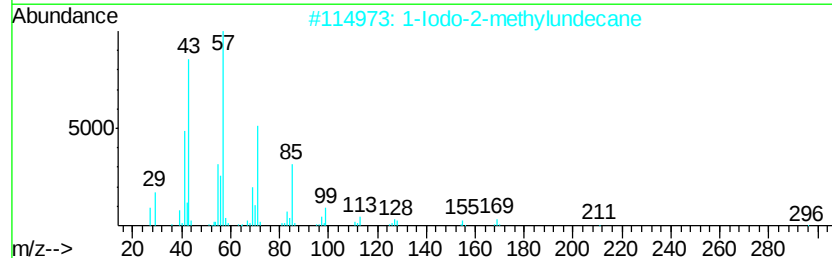
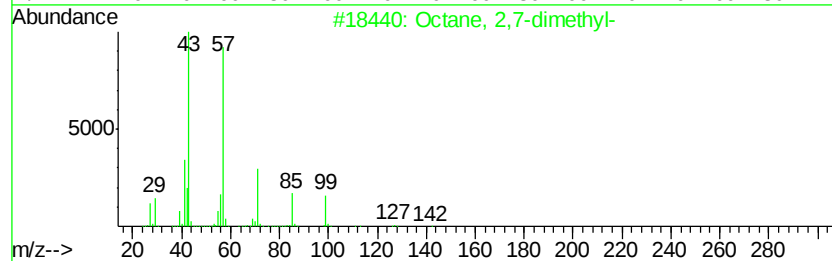
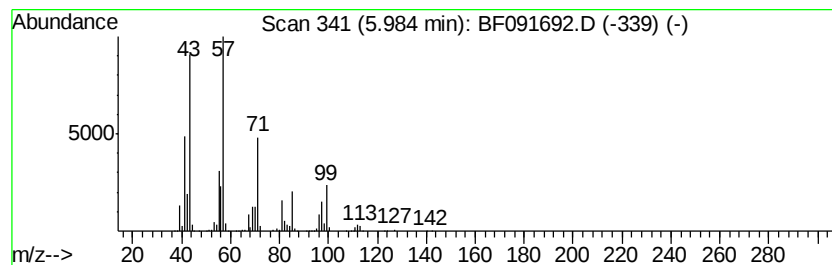
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Octane, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	62.25 ng	3835470	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	72
2		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	53
3		Decane, 2-methyl-	156	C11H24	006975-98-0	50
4		Decane	142	C10H22	000124-18-5	47
5		2-Bromononane	206	C9H19Br	002216-35-5	47



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ClientSampleId :
SB-49(11-13)-12-14-16

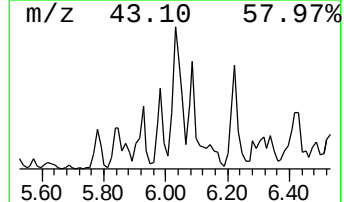
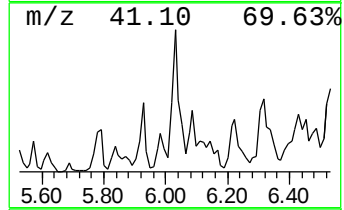
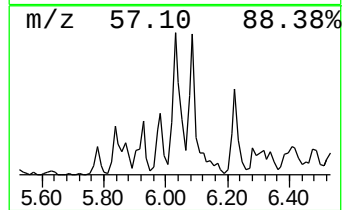
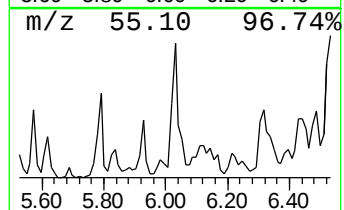
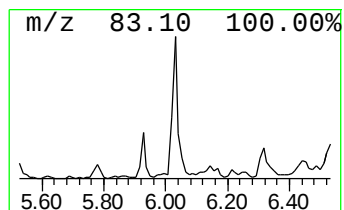
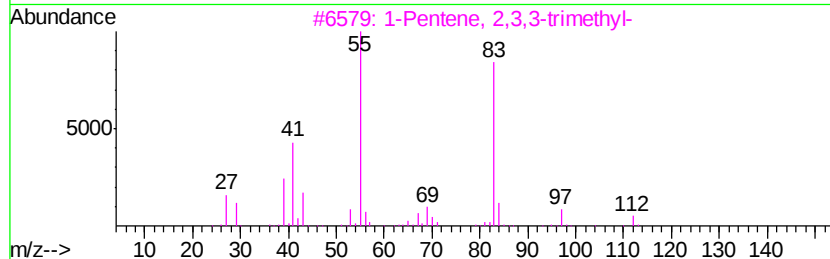
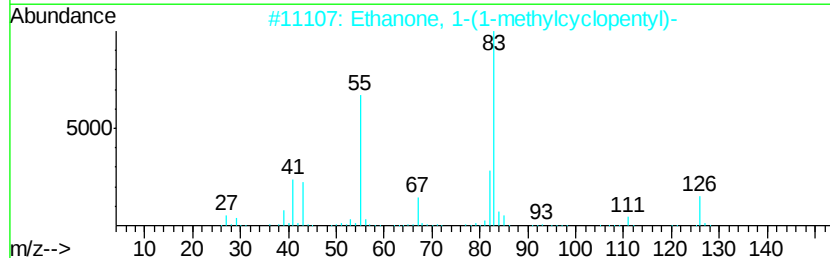
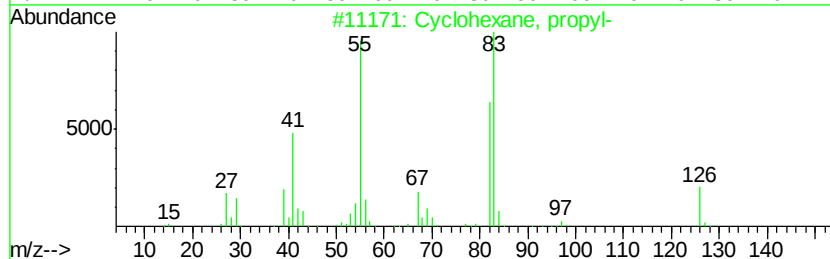
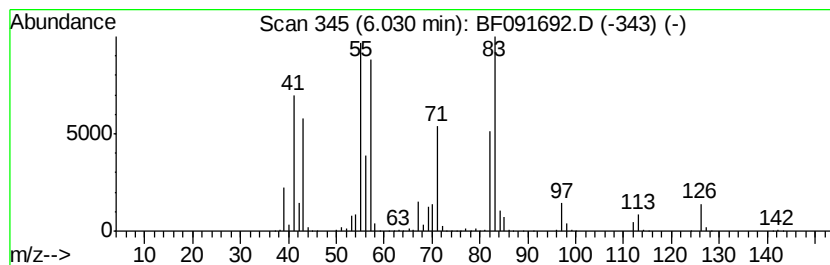
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	193.08 ng	11895800	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	60
2		Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	38
3		1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	38
4		4-Nonene	126	C9H18	002198-23-4	30
5		trans--4-Nonene	126	C9H18	010405-85-3	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
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Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

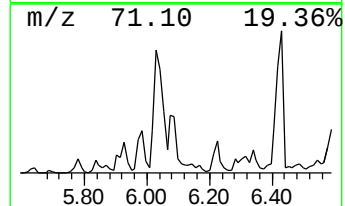
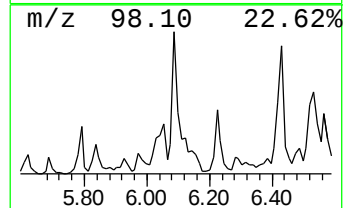
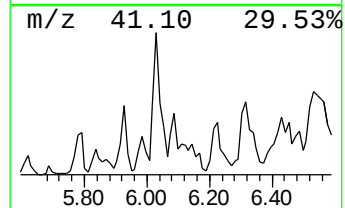
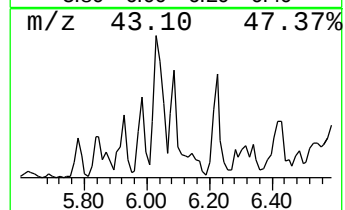
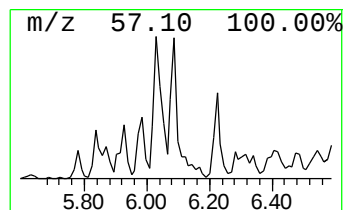
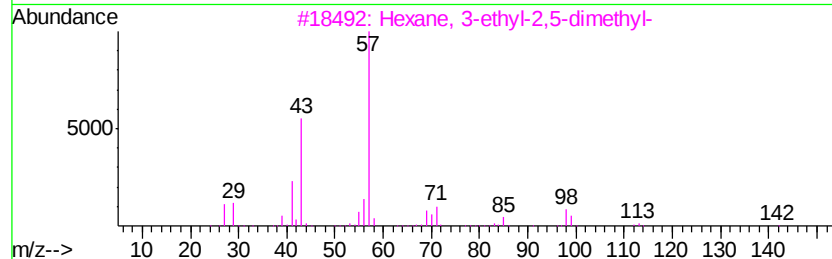
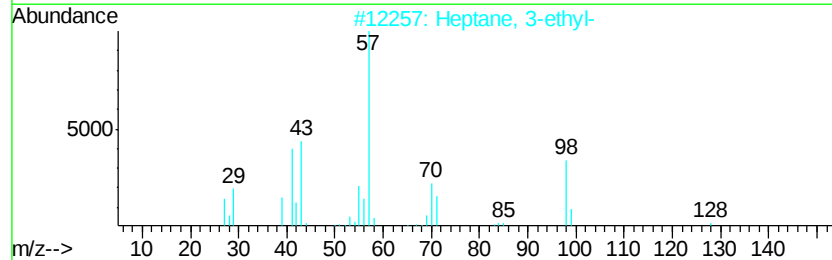
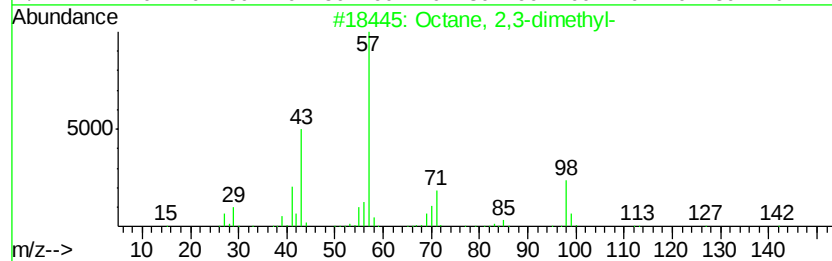
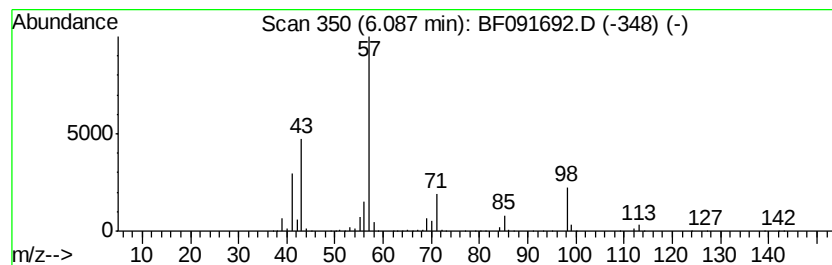
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SB-49(11-13)-12-14-16

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octane, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
6.09	47.01 ng	2896550	1,4-Dichlorobenzene-d4	6.78		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	72
2		Heptane, 3-ethyl-	128	C9H20	015869-80-4	64
3		Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	56
4		Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	50
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091692.D
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Operator : UM/SJ
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ClientSampleId :
SB-49(11-13)-12-14-16

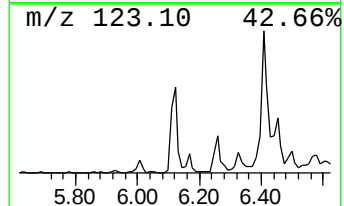
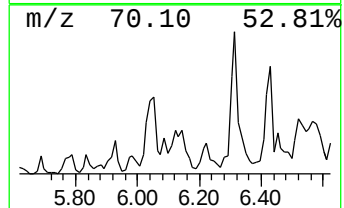
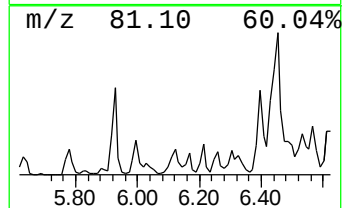
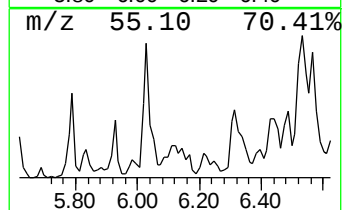
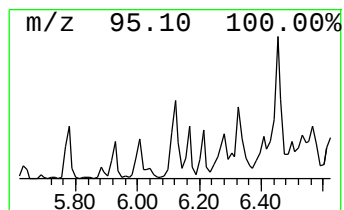
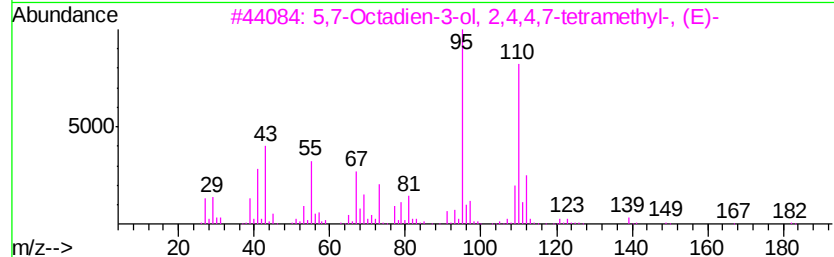
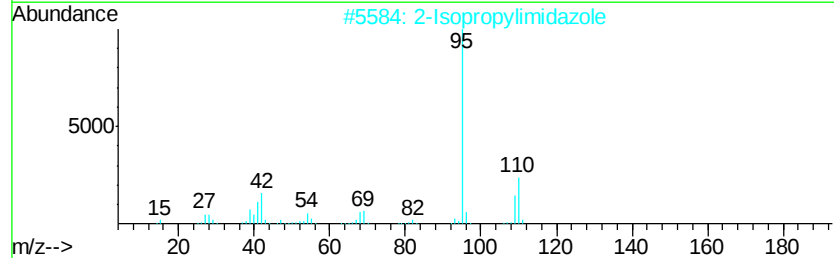
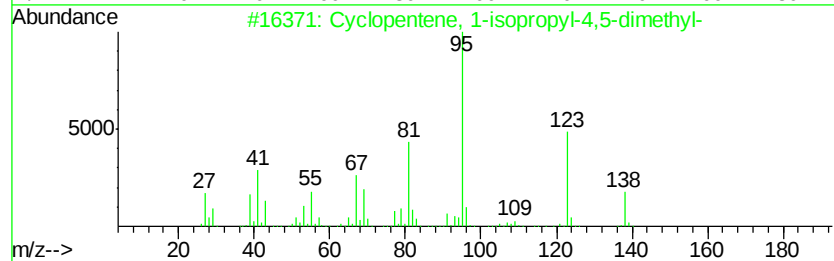
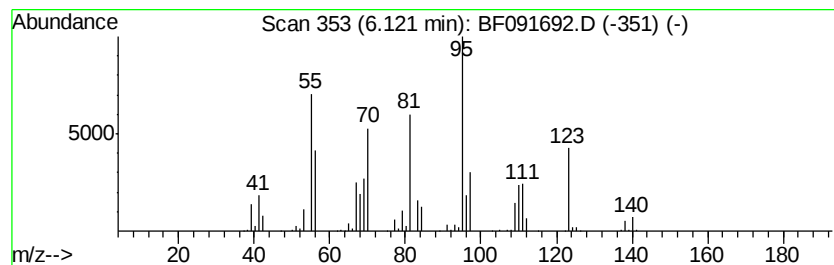
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown6.12 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	122.82 ng	7567070	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 1-isopropyl-4,5-di...	138	C10H18	007712-74-5	35
2		2-Isopropylimidazole	110	C6H10N2	036947-68-9	30
3		5,7-Octadien-3-ol, 2,4,4,7-tetra...	182	C12H22O	077142-78-0	27
4		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	25
5		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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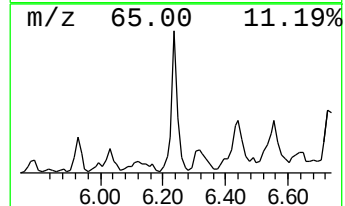
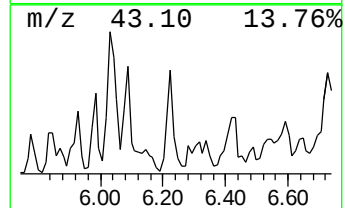
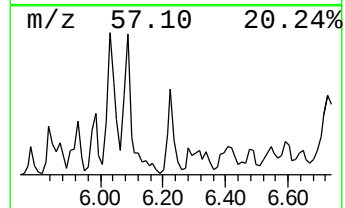
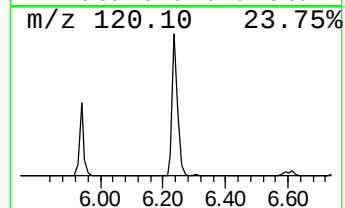
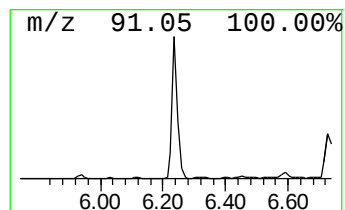
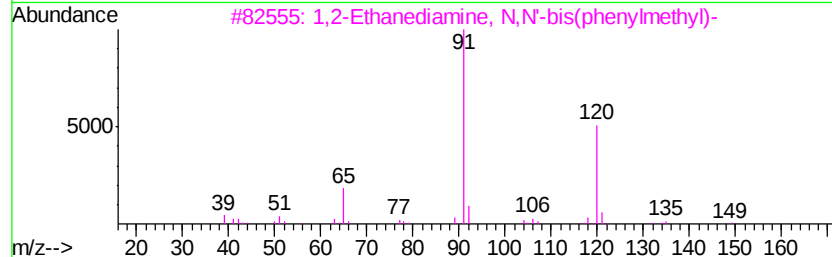
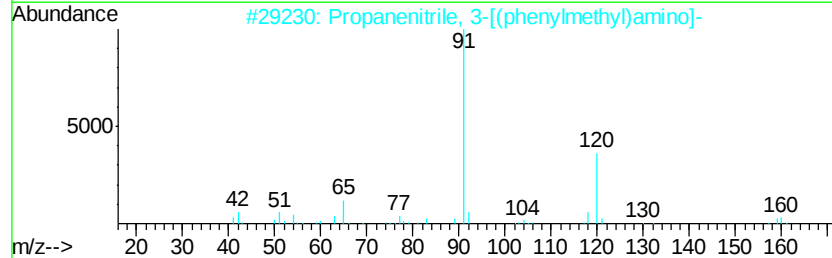
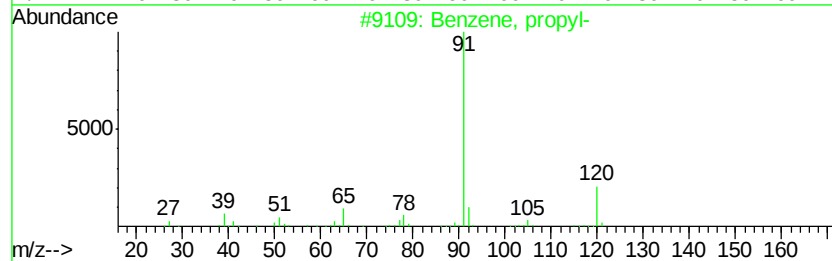
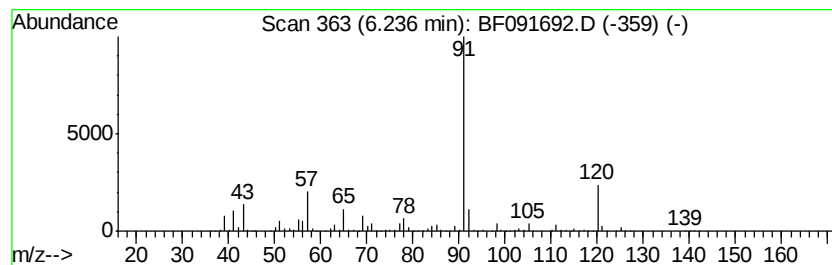
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	166.73 ng	10272700	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	81
2		Propanenitrile, 3-[(phenylmethyl)amino]-	160	C10H12N2	000706-03-6	59
3		1,2-Ethanediamine, N,N'-bis(phenylmethyl)-	240	C16H20N2	000140-28-3	59
4		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	53
5		Isoxazolidin-3-one-4-amine, N,N'-bis(phenylmethyl)-	370	C19H18N2O6	032296-75-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
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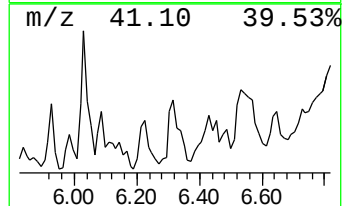
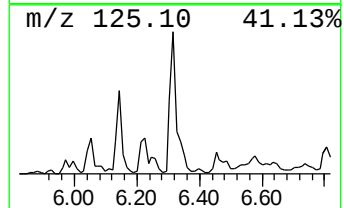
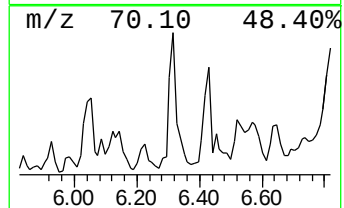
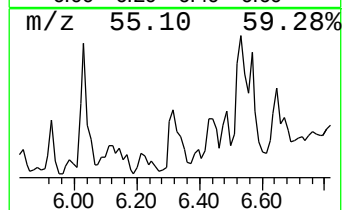
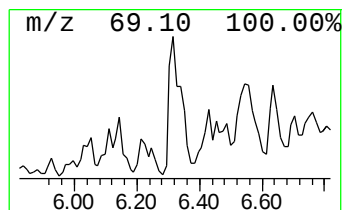
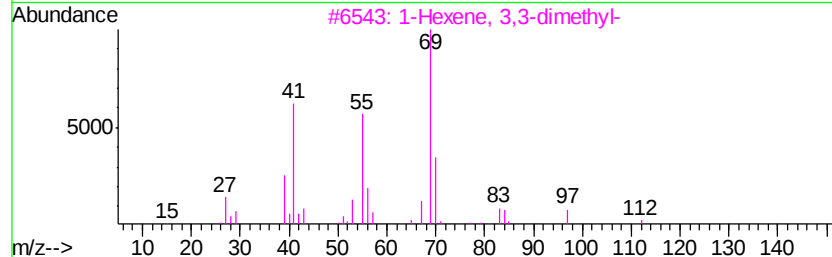
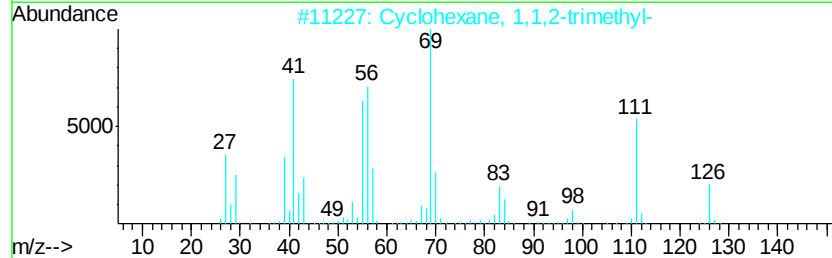
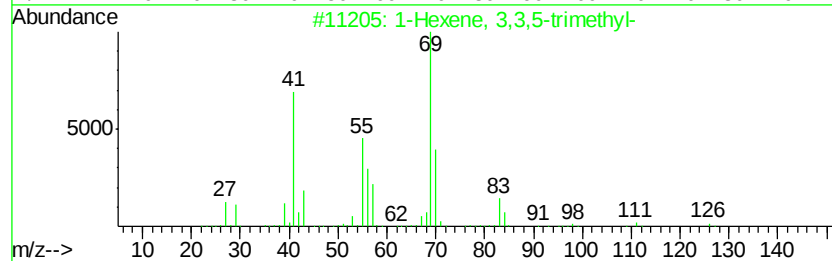
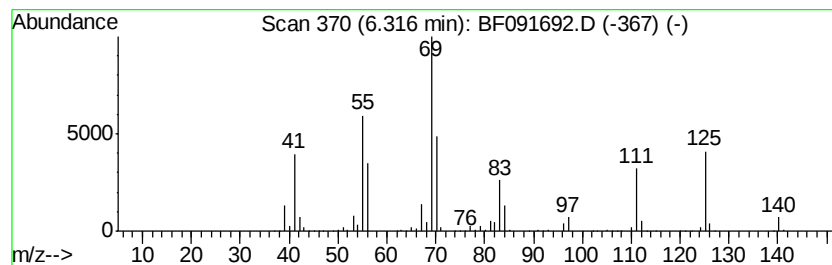
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1-Hexene, 3,3,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.32	171.38 ng	10559000	1,4-Dichlorobenzene-d4	6.78	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	53
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	52
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	50
4	Cyclooctane, methyl-	126	C9H18	001502-38-1	50
5	Heptane, 4-methylene-	112	C8H16	015918-08-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
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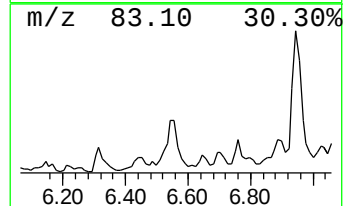
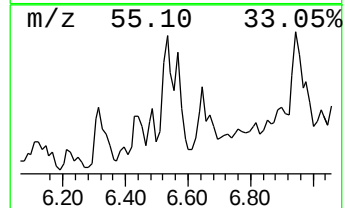
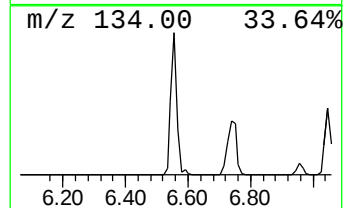
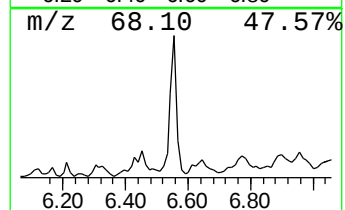
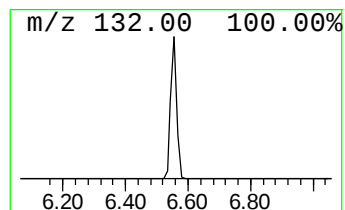
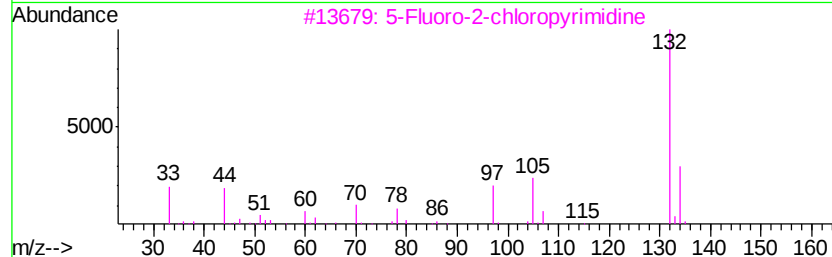
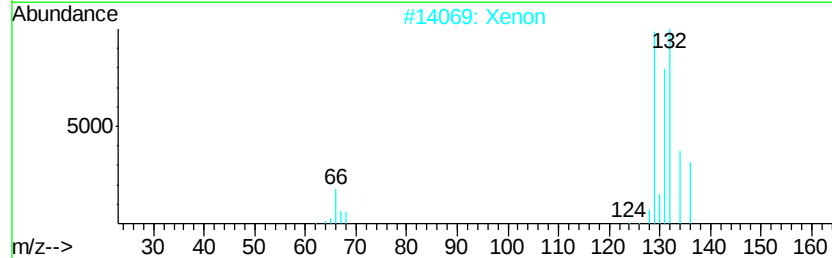
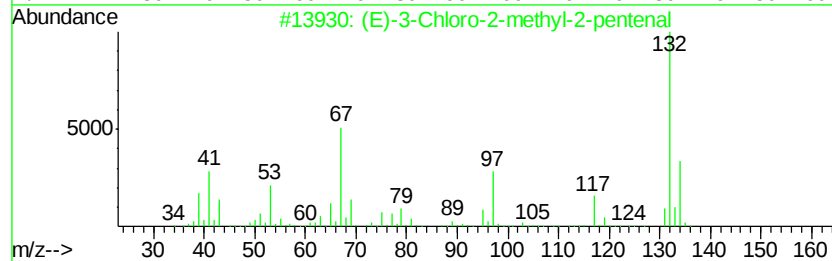
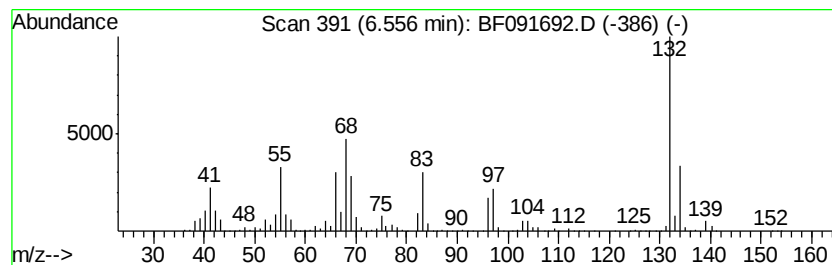
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown6.56 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	336.33 ng	20721600	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2		Xenon	132	Xe	007440-63-3	16
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

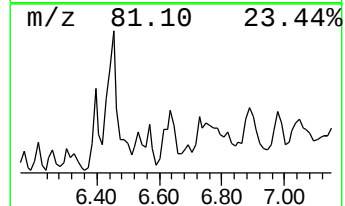
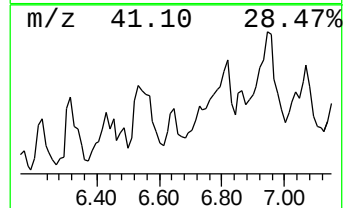
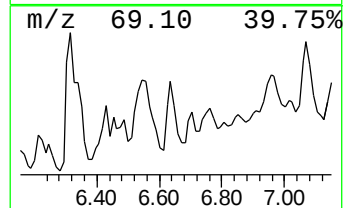
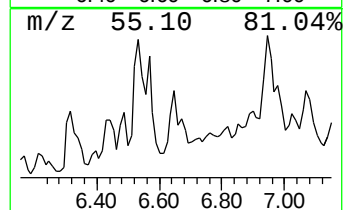
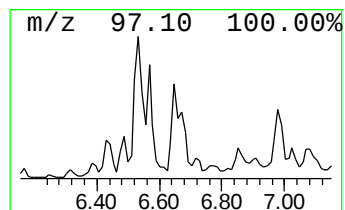
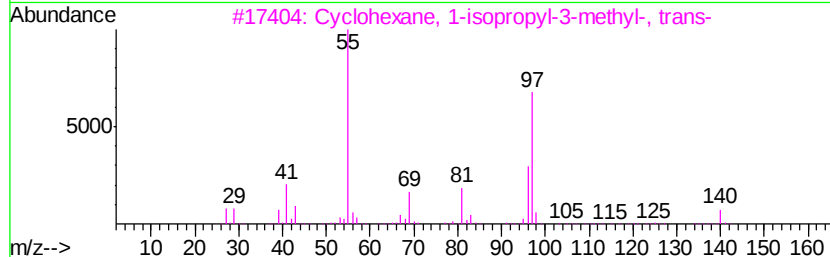
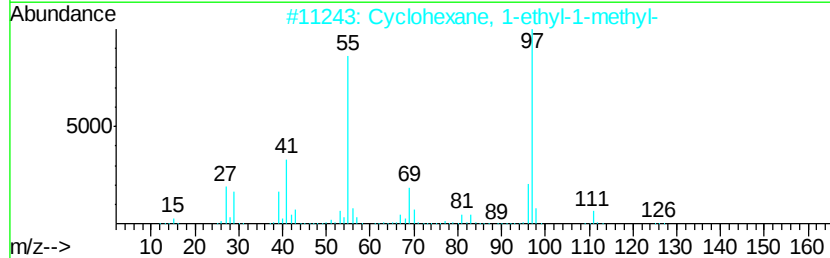
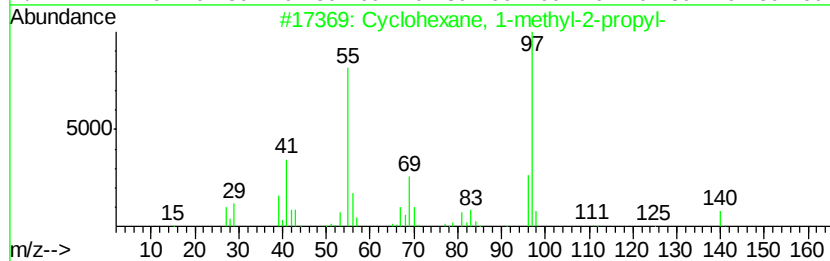
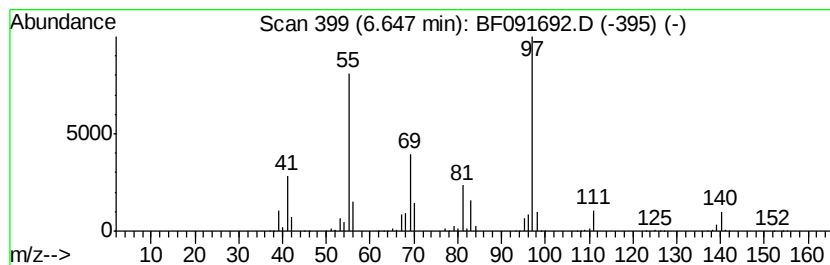
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexane, 1-methyl-2-pro... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	81.76 ng	5037640	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	83
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	80
3		Cyclohexane, 1-isopropyl-3-methyl...	140	C10H20	1000158-54-3	64
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

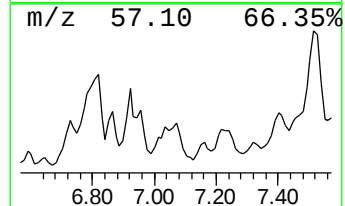
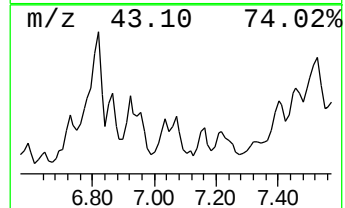
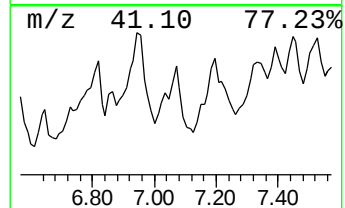
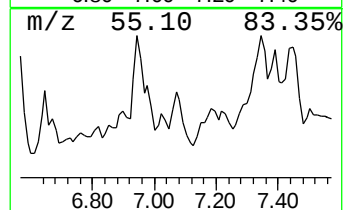
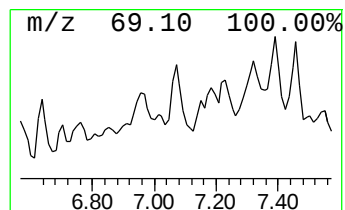
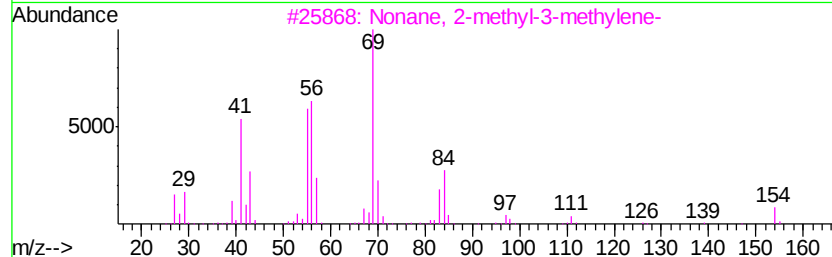
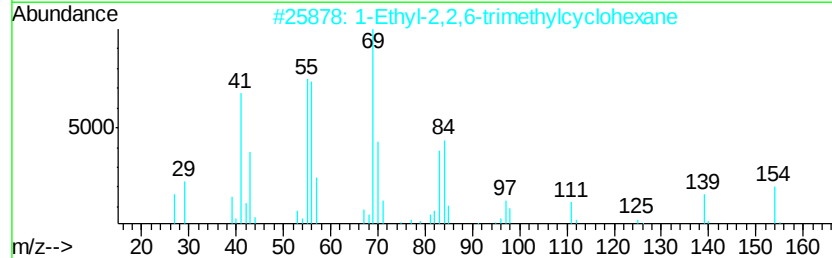
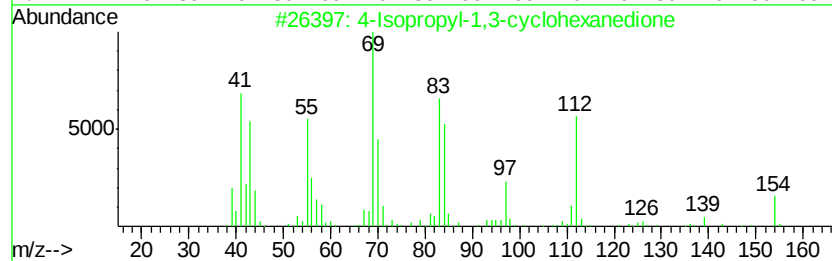
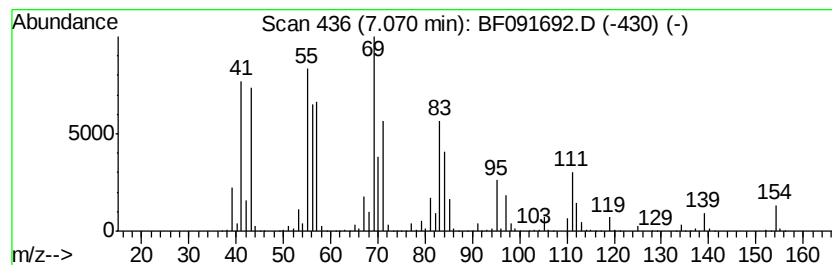
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4-Isopropyl-1,3-cyclohexane... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	216.43 ng	13334600	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	64
2		1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	62
3		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	49
4		Cyclopentane, propyl-	112	C8H16	002040-96-2	46
5		4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
SB-49(11-13)-12-14-16

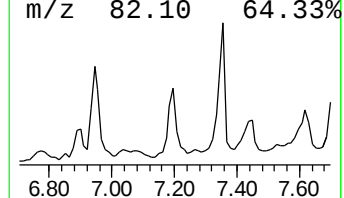
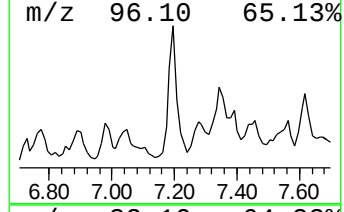
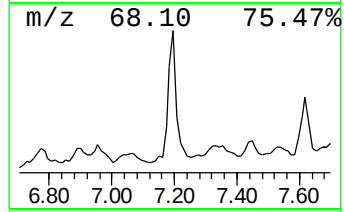
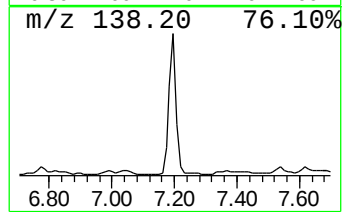
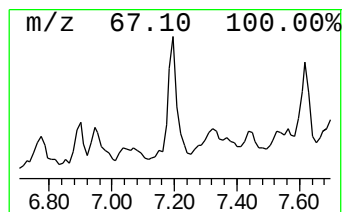
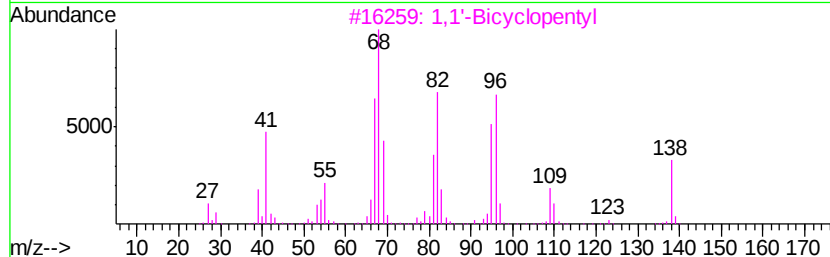
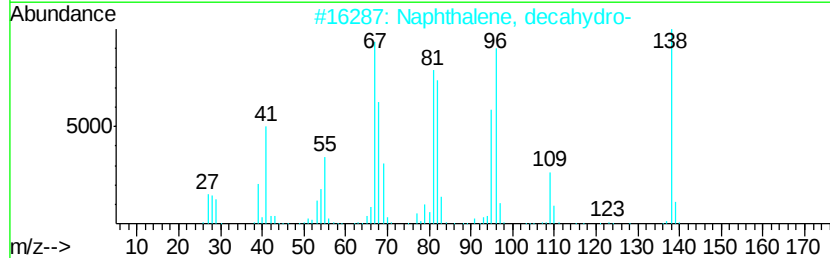
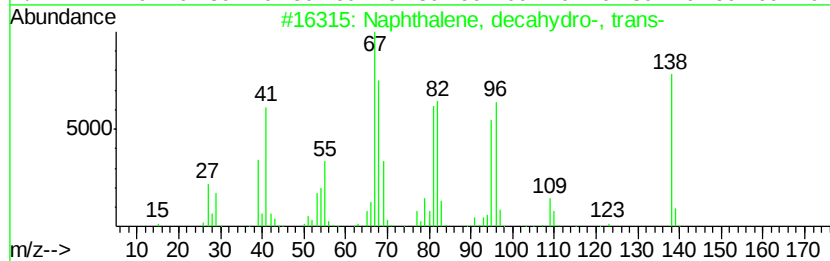
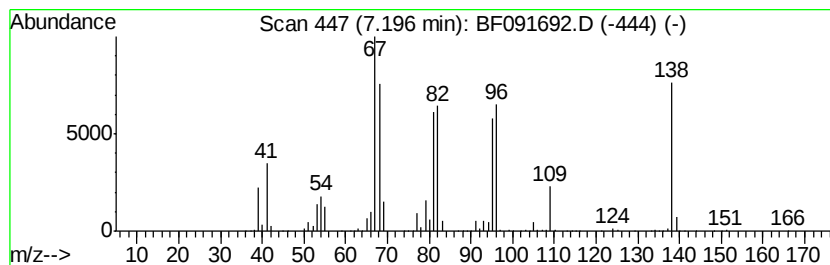
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, decahydro-, tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	189.66 ng	11685000	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3		1,1'-Bicyclopentyl	138	C10H18	001636-39-1	83
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	74
5		Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

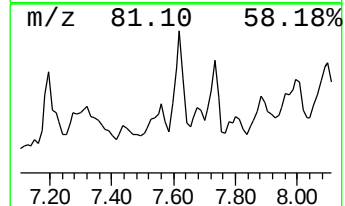
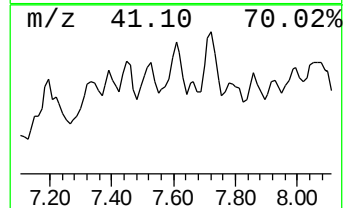
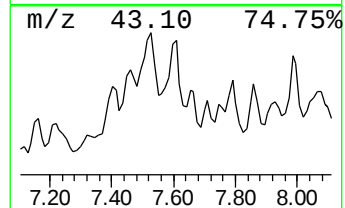
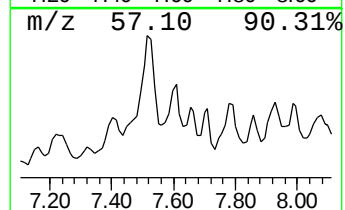
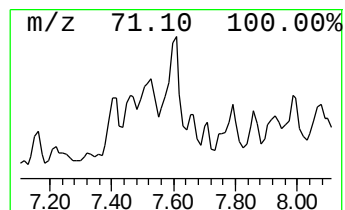
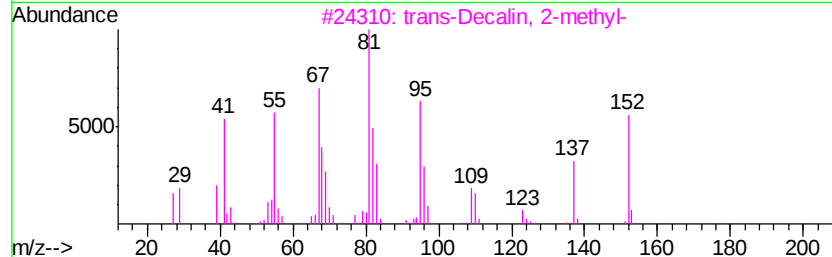
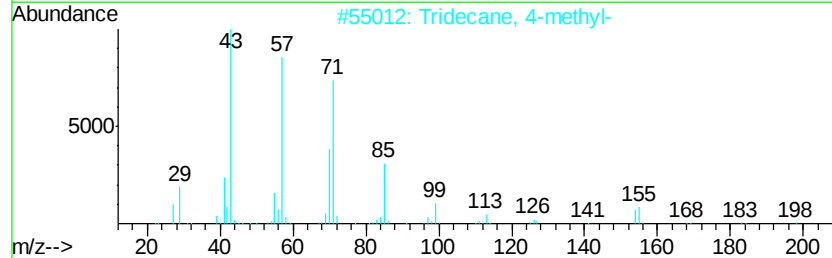
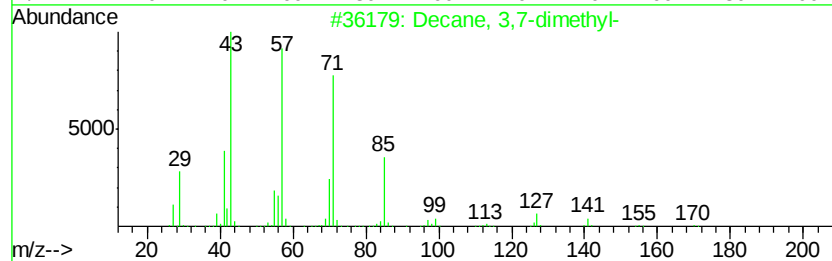
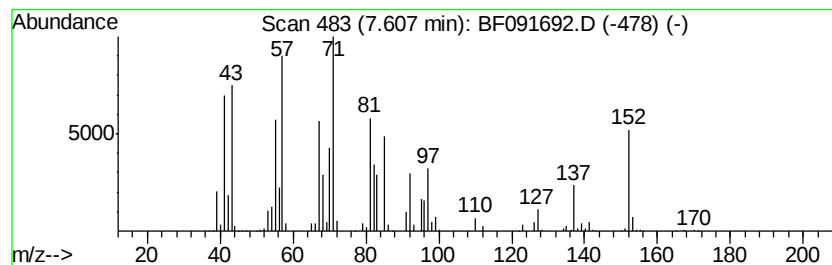
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown7.61 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	90.83 ng	17798300	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	41
2		Tridecane, 4-methyl-	198	C14H30	026730-12-1	38
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	38
4		Undecane, 4-methyl-	170	C12H26	002980-69-0	38
5		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

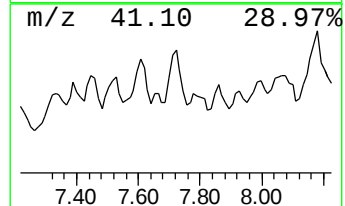
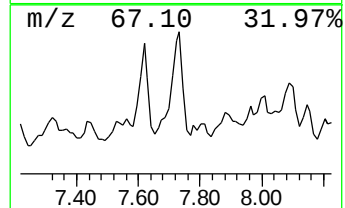
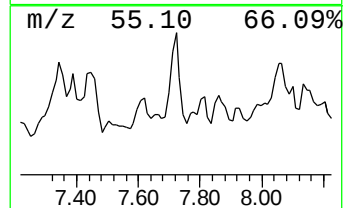
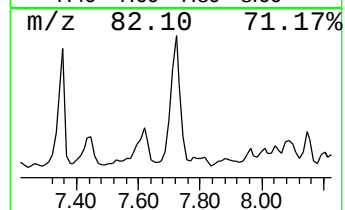
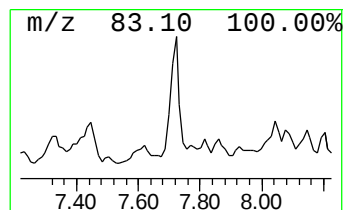
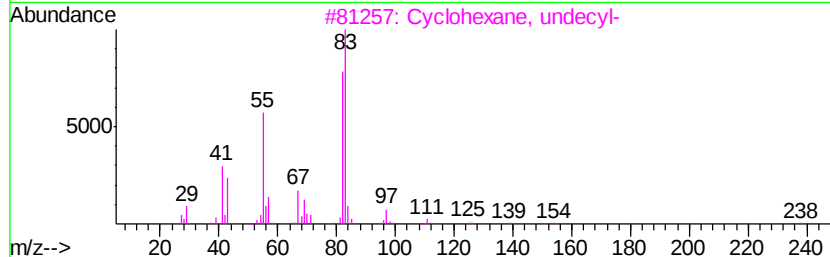
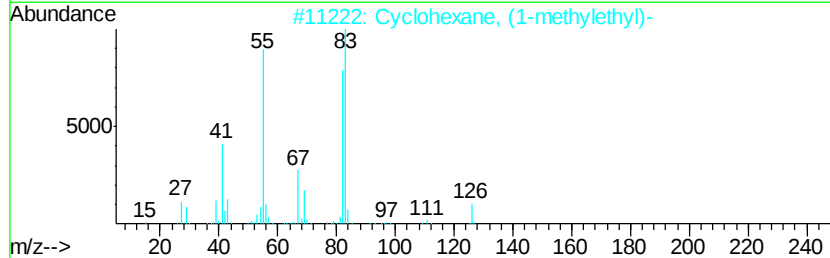
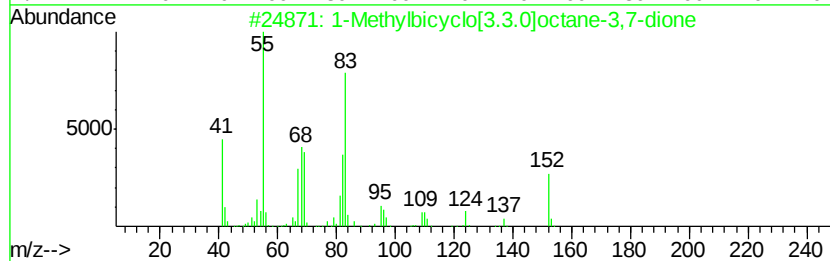
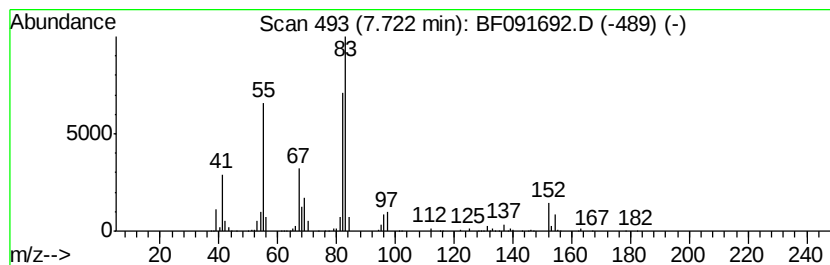
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1-Methylbicyclo[3.3.0]octan... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	84.22 ng	16503300	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	72
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
4		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	64
5		Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-49(11-13)-12-14-16

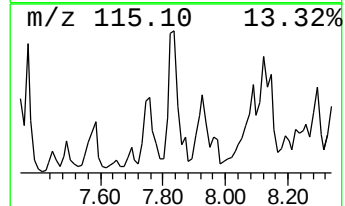
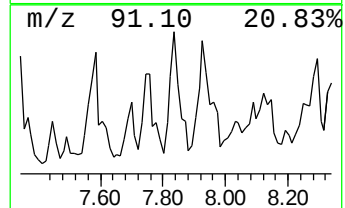
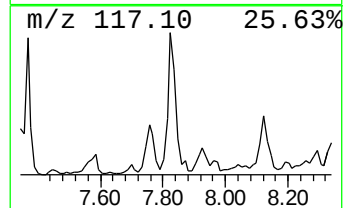
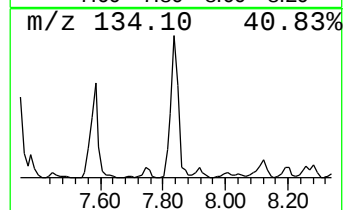
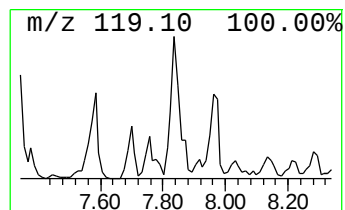
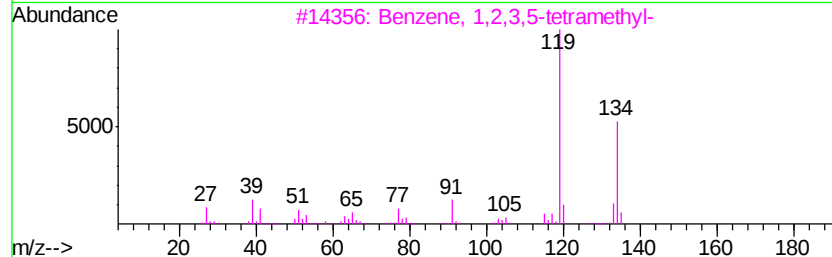
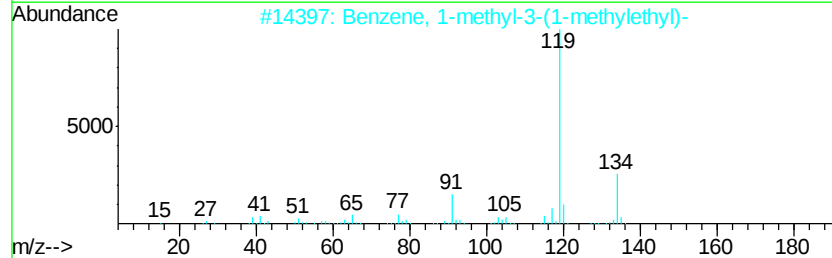
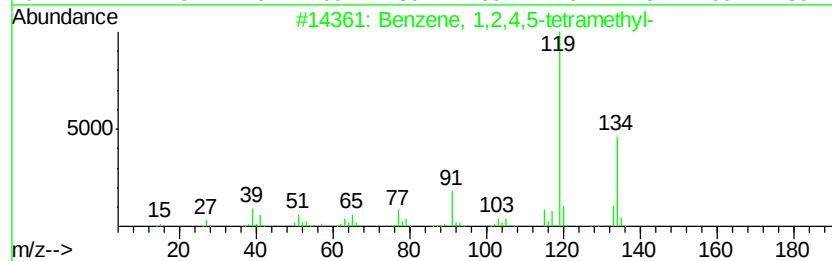
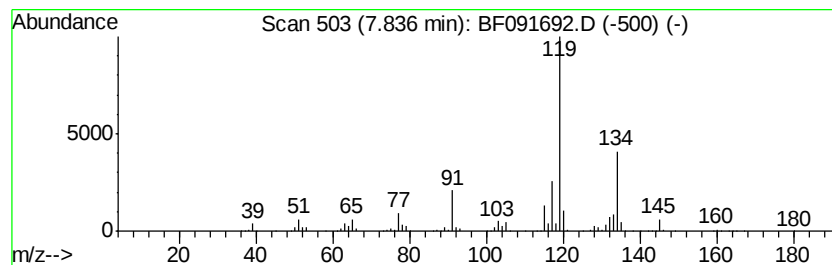
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	68.60 ng	13443500	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	81
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
4		Benzene, 1-methyl-2-(1-methylethyl-)	134	C10H14	000527-84-4	81
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
SB-49(11-13)-12-14-16

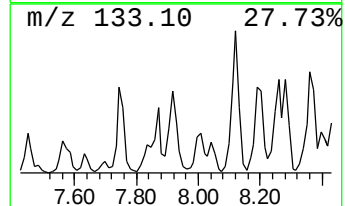
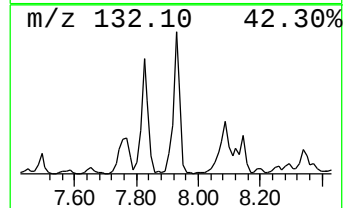
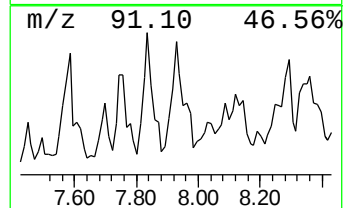
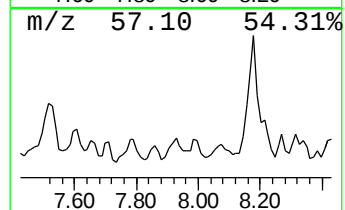
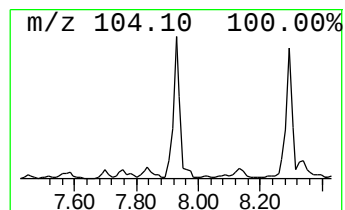
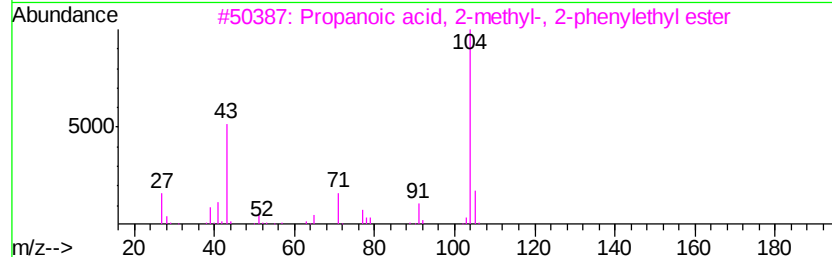
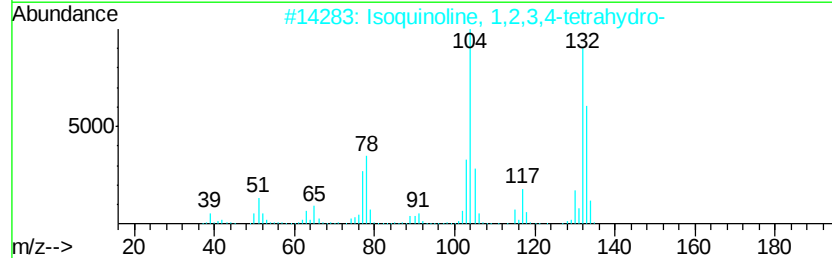
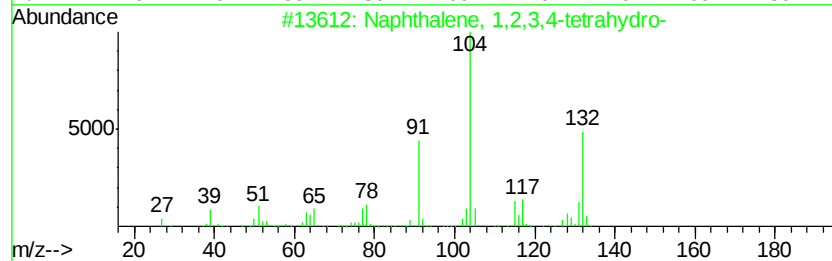
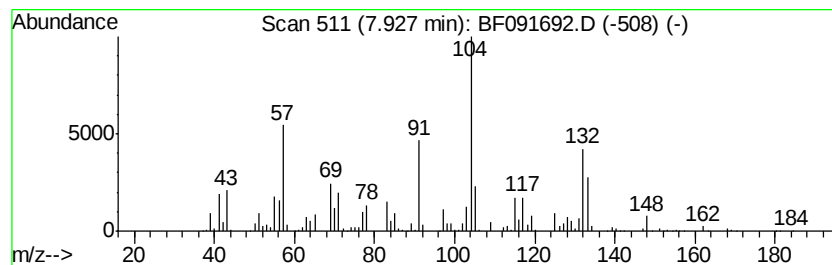
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	45.27 ng	8870580	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	83
2		Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	52
3		Propanoic acid, 2-methyl-, 2-phenyl-	192	C12H16O2	000103-48-0	43
4		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	43
5		Propanoic acid, 2,2-dimethyl-, 2-phenyl-	206	C13H18O2	067662-96-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

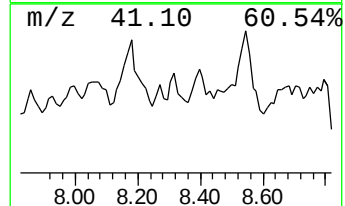
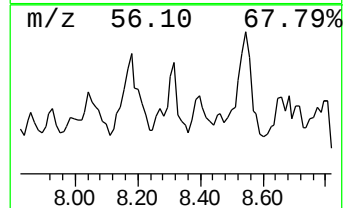
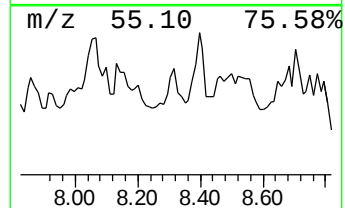
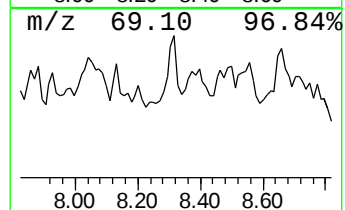
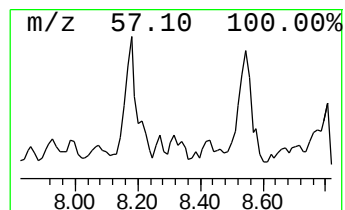
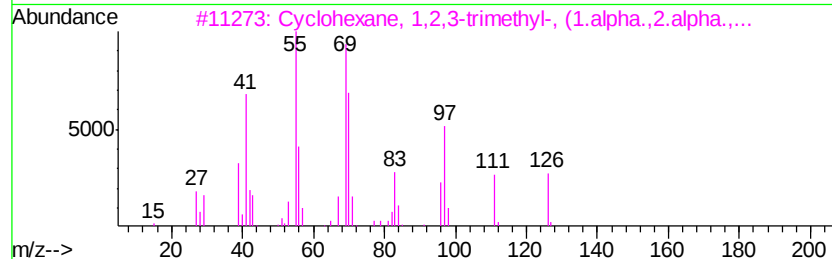
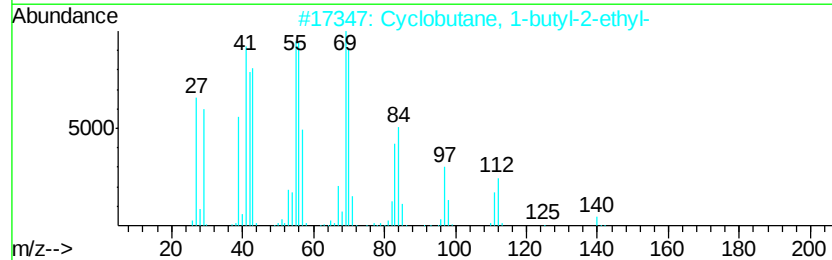
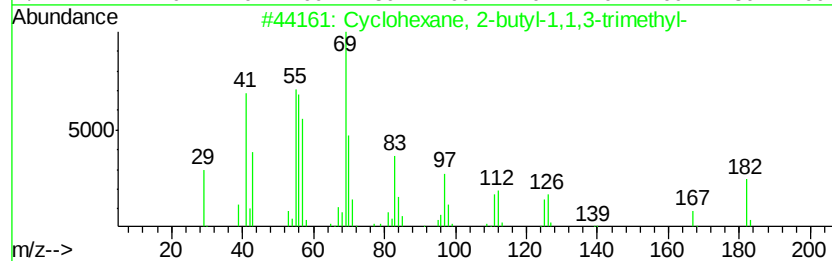
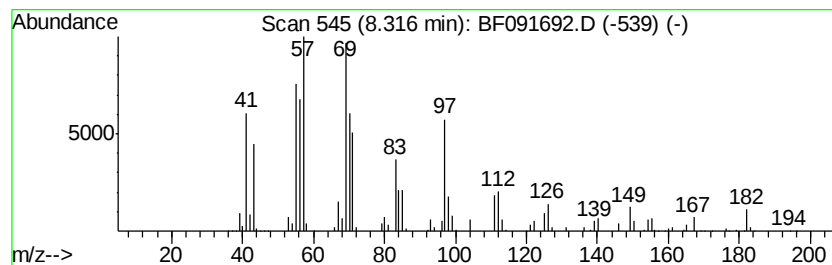
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	60.29 ng	11814500	Napthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	70
2		Cyclobutane, 1-butyl-2-ethyl-	140	C10H20	1000150-67-3	64
3		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	007667-55-2	60
4		3-Tridecene, (E)-	182	C13H26	041446-57-5	58
5		6-Tridecene, (Z)-	182	C13H26	006508-77-6	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

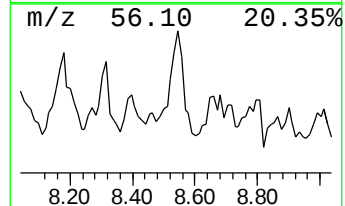
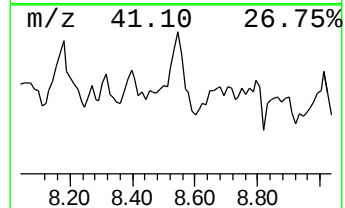
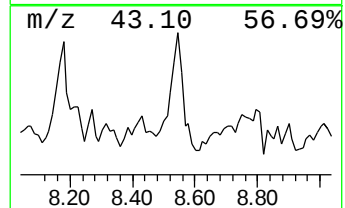
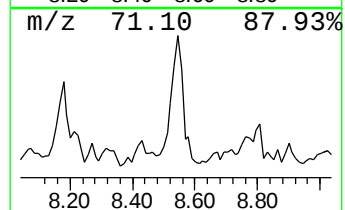
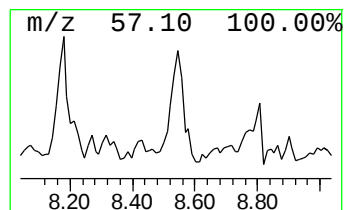
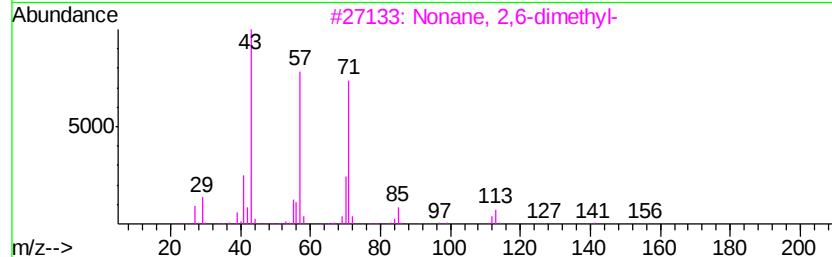
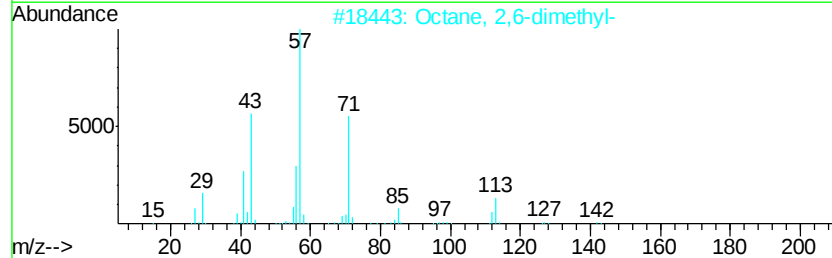
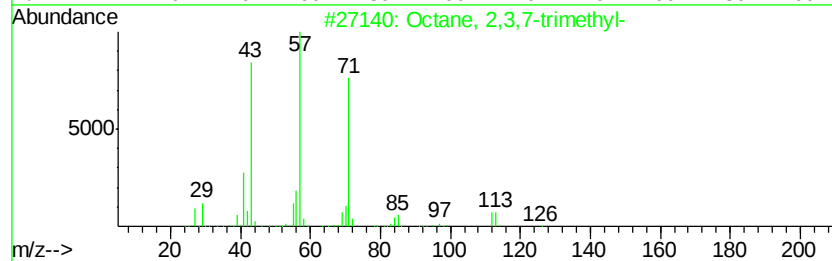
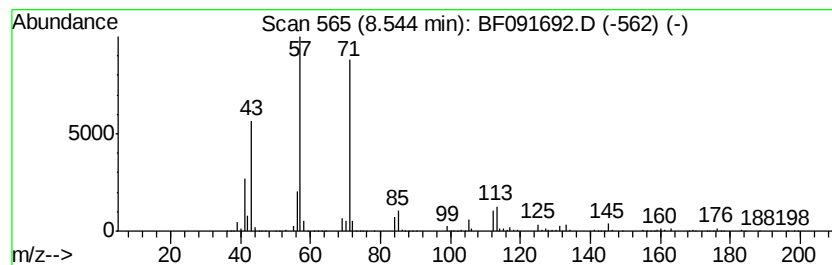
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octane, 2,3,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	66.99 ng	13128000	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	83
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
4		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
5		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091692.D
 Acq On : 17 Dec 2016 00:13
 Operator : UM/SJ
 Sample : H6125-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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1-Ethyl-4-methylc...	5.79	93.5	ng	5759570	1	6.78	1232240	20.0
Methallylcyclohexane	5.93	114.8	ng	7073460	1	6.78	1232240	20.0
Octane, 2,7-dimet...	5.98	62.3	ng	3835470	1	6.78	1232240	20.0
Cyclohexane, propyl-	6.03	193.1	ng	11895800	1	6.78	1232240	20.0
Octane, 2,3-dimet...	6.09	47.0	ng	2896550	1	6.78	1232240	20.0
unknown6.12	6.12	122.8	ng	7567070	1	6.78	1232240	20.0
Benzene, propyl-	6.24	166.7	ng	10272700	1	6.78	1232240	20.0
1-Hexene, 3,3,5-t...	6.32	171.4	ng	10559000	1	6.78	1232240	20.0
unknown6.56	6.56	336.3	ng	20721600	1	6.78	1232240	20.0
Cyclohexane, 1-me...	6.65	81.8	ng	5037640	1	6.78	1232240	20.0
4-Isopropyl-1,3-c...	7.07	216.4	ng	13334600	1	6.78	1232240	20.0
Naphthalene, deca...	7.20	189.7	ng	11685000	1	6.78	1232240	20.0
unknown7.61	7.61	90.8	ng	17798300	2	8.09	3919150	20.0
1-Methylbicyclo[3...	7.72	84.2	ng	16503300	2	8.09	3919150	20.0
Benzene, 1,2,4,5-...	7.84	68.6	ng	13443500	2	8.09	3919150	20.0
Naphthalene, 1,2,...	7.93	45.3	ng	8870580	2	8.09	3919150	20.0
Cyclohexane, 2-bu...	8.32	60.3	ng	11814500	2	8.09	3919150	20.0
Octane, 2,3,7-tri...	8.54	67.0	ng	13128000	2	8.09	3919150	20.0