

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
 Data File : BF091826.D
 Acq On : 20 Dec 2016 18:04
 Operator : UM/SJ
 Sample : H6165-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-10-11

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-BF121716.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	3.230	89	100	104	rBV	488338	1306696	14.04%	0.527%
2	3.390	108	114	118	rVV	318620	731739	7.86%	0.295%
3	3.961	158	164	167	rBV	395737	743415	7.99%	0.300%
4	4.853	240	242	246	rVB2	573117	856522	9.20%	0.345%
5	4.944	246	250	253	rBV	1651947	2882102	30.96%	1.162%
6	5.253	273	277	279	rBV2	597369	1122937	12.06%	0.453%
7	5.333	281	284	285	rBV	718736	804100	8.64%	0.324%
8	5.379	285	288	289	rVB	5387892	5980890	64.25%	2.411%
9	5.619	305	309	312	rBV2	387782	721840	7.75%	0.291%
10	5.756	319	321	324	rVB2	485013	812118	8.72%	0.327%
11	5.813	324	326	328	rBV2	365344	680074	7.31%	0.274%
12	5.904	331	334	337	rBV2	875067	1125470	12.09%	0.454%
13	6.007	341	343	346	rVB2	1096787	1522721	16.36%	0.614%
14	6.213	357	361	362	rBV2	1292686	2139933	22.99%	0.863%
15	6.259	362	365	366	rVB2	1094473	1197285	12.86%	0.483%
16	6.293	366	368	372	rVB	1096525	1481103	15.91%	0.597%
17	6.350	372	373	376	rBV2	995920	1422868	15.29%	0.574%
18	6.419	376	379	381	rVB	5329630	7130568	76.60%	2.874%
19	6.533	384	389	393	rBV	5526466	7269208	78.09%	2.930%
20	6.716	402	405	407	rBV3	531313	1327198	14.26%	0.535%
21	6.762	407	409	410	rBV	1442324	1449727	15.57%	0.584%
22	6.830	413	415	416	rBV	573572	771455	8.29%	0.311%
23	6.887	419	420	421	rBV	649765	608363	6.54%	0.245%
24	6.922	421	423	424	rBV	4586157	4884072	52.47%	1.969%
25	7.013	427	431	432	rBV2	1055680	1661429	17.85%	0.670%
26	7.047	432	434	435	rVB	1005884	1059888	11.39%	0.427%
27	7.082	435	437	439	rBV2	1057071	1187484	12.76%	0.479%
28	7.162	442	444	445	rBV	1358234	1488230	15.99%	0.600%
29	7.333	453	459	463	rBV2	3987677	9308670	100.00%	3.752%
30	7.413	463	466	468	rVB2	1019478	1444780	15.52%	0.582%
31	7.482	468	472	474	rBV2	812928	1918425	20.61%	0.773%
32	7.539	474	477	478	rBV	1707764	2383538	25.61%	0.961%
33	7.573	478	480	482	rVB2	1190932	1520941	16.34%	0.613%
34	7.607	482	483	485	rBV2	473389	668133	7.18%	0.269%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.665	485	488	489	rBV2	677909	1313598	14.11%	0.530%
36	7.722	492	493	496	rVB2	892288	1718631	18.46%	0.693%
37	7.790	496	499	500	rBV2	2206903	2792018	29.99%	1.125%
38	7.870	504	506	509	rVB2	842084	1182158	12.70%	0.477%
39	7.927	509	511	513	rBV2	944907	1583615	17.01%	0.638%
40	8.042	515	521	525	rBV3	2961132	8700199	93.46%	3.507%
41	8.099	525	526	527	rVV	1117613	1022545	10.98%	0.412%
42	8.122	527	528	529	rVV	2009316	1525310	16.39%	0.615%
43	8.225	534	537	538	rBV2	901857	1863367	20.02%	0.751%
44	8.259	538	540	541	rVB2	1015306	1270538	13.65%	0.512%
45	8.350	544	548	549	rBV3	1157633	2594221	27.87%	1.046%
46	8.442	554	556	557	rVB	1527046	1541316	16.56%	0.621%
47	8.487	557	560	562	rBV3	2417612	4037114	43.37%	1.627%
48	8.522	562	563	564	rVB	1344259	921490	9.90%	0.371%
49	8.556	564	566	568	rBV2	1934556	2514560	27.01%	1.014%
50	8.602	568	570	572	rBV3	606918	987259	10.61%	0.398%
51	8.647	572	574	575	rBV2	543074	815939	8.77%	0.329%
52	8.750	581	583	584	rVB	1599096	2033491	21.85%	0.820%
53	8.807	584	588	589	rBV3	770522	1457003	15.65%	0.587%
54	8.865	590	593	598	rVV3	3498603	7484194	80.40%	3.017%
55	8.933	598	599	600	rVV	1039274	1190966	12.79%	0.480%
56	8.967	600	602	603	rVV2	1178861	1926396	20.69%	0.777%
57	9.002	603	605	606	rVV	946581	1452551	15.60%	0.586%
58	9.082	610	612	614	rVV2	3044733	4297908	46.17%	1.733%
59	9.127	614	616	619	rVV	4867472	6523032	70.07%	2.629%
60	9.207	621	623	626	rVV3	2218059	4039601	43.40%	1.628%
61	9.276	626	629	632	rVV2	1487194	4435952	47.65%	1.788%
62	9.322	632	633	636	rVV2	1736053	2849988	30.62%	1.149%
63	9.402	636	640	642	rVV	3195680	6405168	68.81%	2.582%
64	9.470	642	646	647	rVV	4138562	6557709	70.45%	2.643%
65	9.539	649	652	653	rVV3	4208806	6734989	72.35%	2.715%
66	9.585	653	656	658	rVV3	2340134	4445764	47.76%	1.792%
67	9.665	661	663	666	rVV3	1505039	3363452	36.13%	1.356%
68	9.722	666	668	669	rVV	1676087	1914401	20.57%	0.772%
69	9.756	669	671	672	rVV2	581539	897670	9.64%	0.362%
70	9.802	672	675	677	rVV2	2301562	4448729	47.79%	1.793%
71	9.848	677	679	680	rVV2	1394542	2012934	21.62%	0.811%

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72	9.916	683	685	687	rVV	1893915	2766793	29.72%	1.115%
73	9.962	687	689	691	rVV3	613256	1486937	15.97%	0.599%
74	10.008	691	693	695	rVV	2520152	3438567	36.94%	1.386%
75	10.053	695	697	701	rVB3	1906553	3481836	37.40%	1.404%
76	10.122	701	703	705	rBV2	1530059	2489856	26.75%	1.004%
77	10.213	709	711	714	rVV2	1403864	2719521	29.21%	1.096%
78	10.293	714	718	721	rVB5	629175	1791455	19.25%	0.722%
79	10.350	721	723	724	rBV2	1333420	1777934	19.10%	0.717%
80	10.419	727	729	730	rVV2	1155581	1547189	16.62%	0.624%
81	10.465	732	733	735	rVV	3212915	2960639	31.81%	1.193%
82	10.511	735	737	739	rVB3	859089	1405943	15.10%	0.567%
83	10.591	739	744	746	rBV3	1897070	4196400	45.08%	1.692%
84	10.739	754	757	759	rVB2	3314469	5542745	59.54%	2.234%
85	10.796	760	762	763	rBV2	710260	777728	8.35%	0.314%
86	10.933	772	774	780	rVB5	1587643	4094905	43.99%	1.651%
87	11.048	780	784	787	rBV5	937645	2674222	28.73%	1.078%
88	11.196	794	797	800	rVB2	2998217	3812520	40.96%	1.537%
89	11.288	803	805	806	rBV	1490317	1409061	15.14%	0.568%
90	11.402	813	815	818	rBV3	587033	1294340	13.90%	0.522%
91	11.539	825	827	832	rVB5	972638	1605976	17.25%	0.647%
92	11.619	832	834	835	rBV2	465427	704543	7.57%	0.284%
93	11.791	847	849	850	rBV	745249	683925	7.35%	0.276%
94	11.893	856	858	863	rVB3	890582	2340332	25.14%	0.943%
95	12.271	889	891	894	rVB2	674203	1344806	14.45%	0.542%
96	12.339	894	897	898	rBV	1074058	1290706	13.87%	0.520%
97	12.876	941	944	946	rVB	4083768	5042062	54.17%	2.032%
98	13.151	966	968	974	rVB3	281596	707477	7.60%	0.285%
99	13.917	1032	1035	1037	rBV	1045333	1204475	12.94%	0.486%
100	15.311	1155	1157	1160	rBV	790447	1012069	10.87%	0.408%

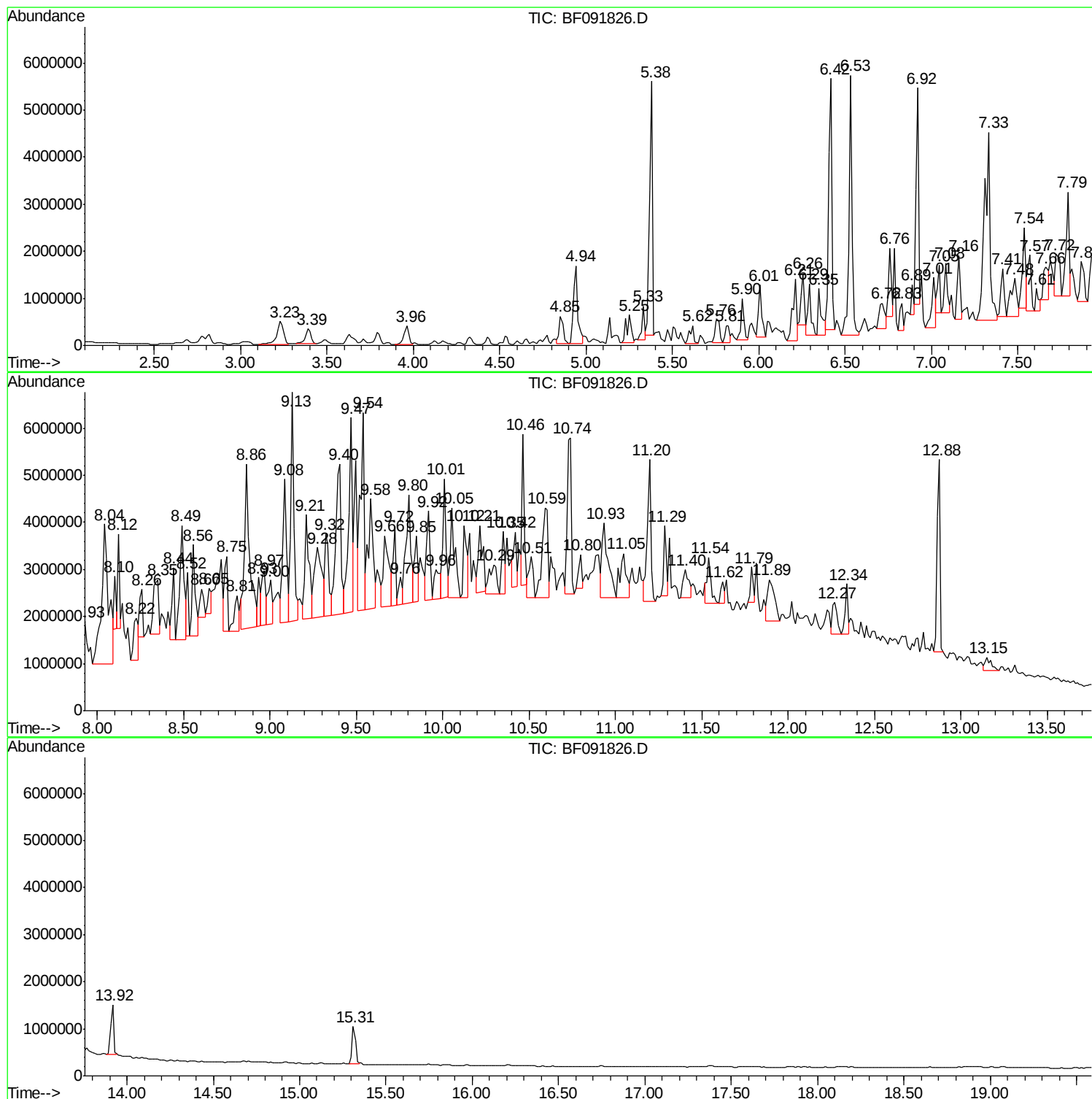
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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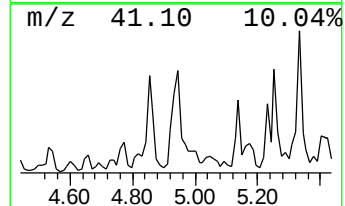
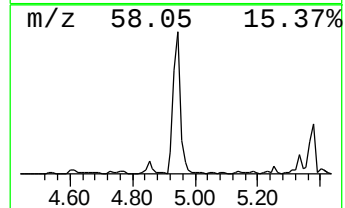
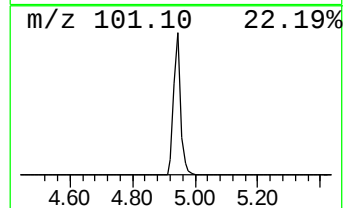
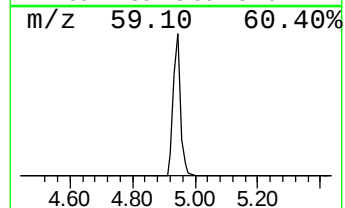
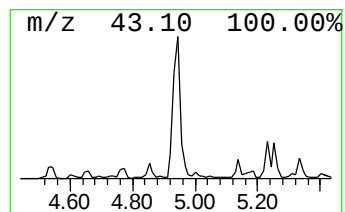
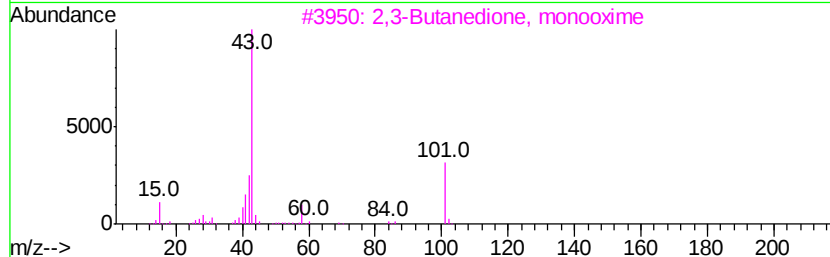
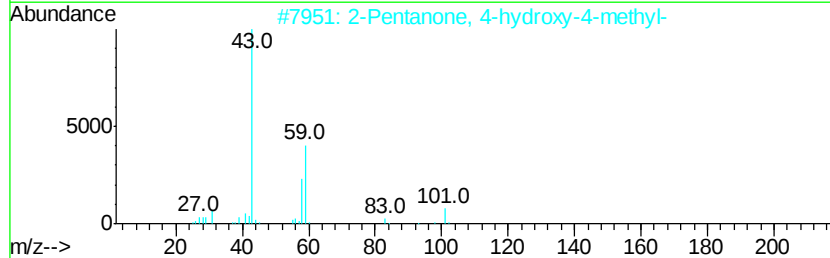
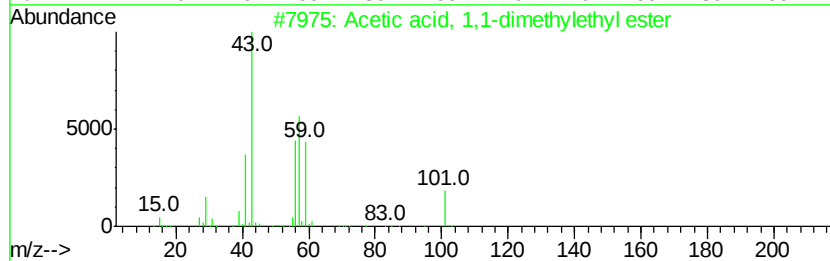
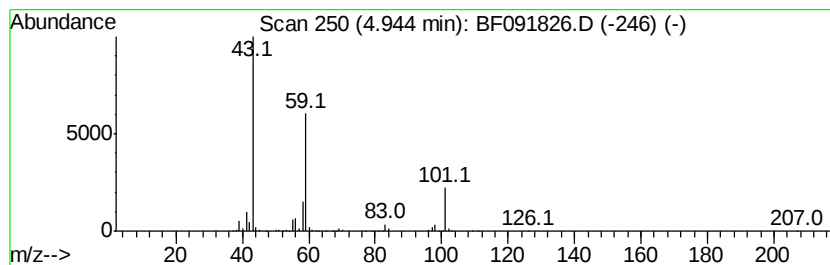
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Acetic acid, 1,1-dimethylet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	39.76 ng	2882100	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	50
2		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
4		Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	17
5		Methyl 16-methoxyheptadecanoate	314	C19H38O3	1000110-18-2	17



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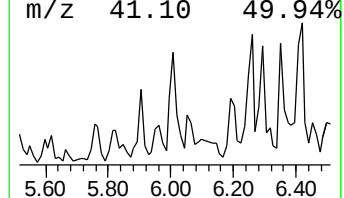
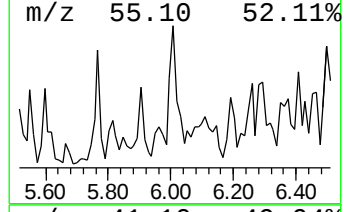
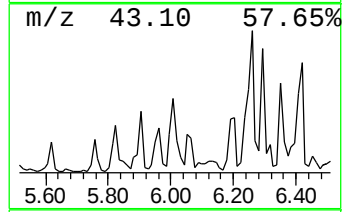
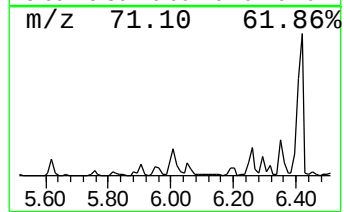
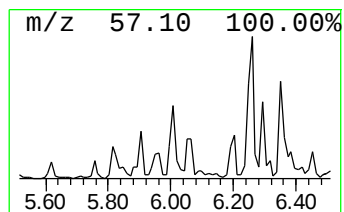
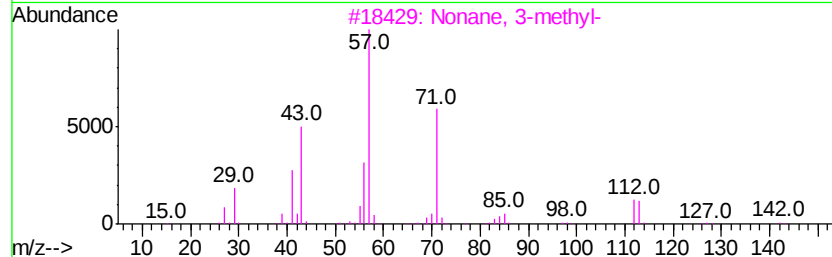
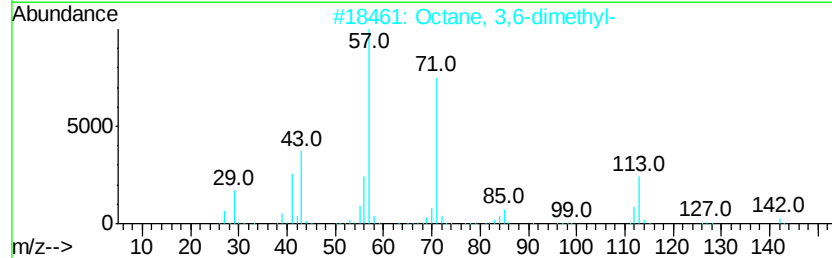
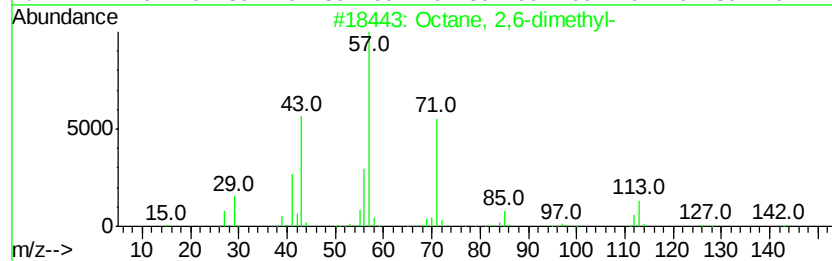
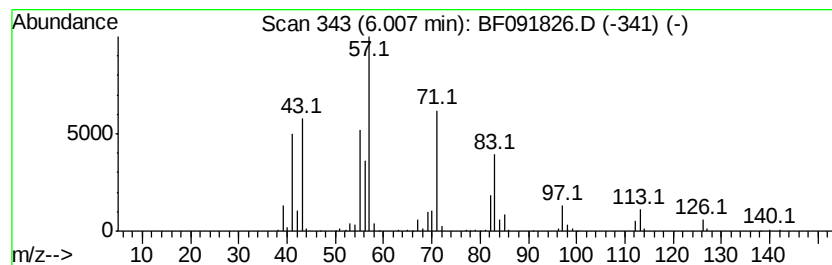
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.01	21.01 ng	1522720	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	52
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	49
4		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	47
5		Octane, 2-bromo-	192	C8H17Br	000557-35-7	38



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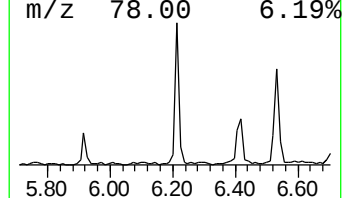
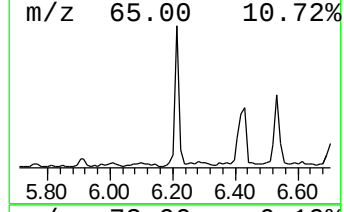
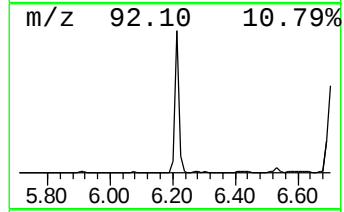
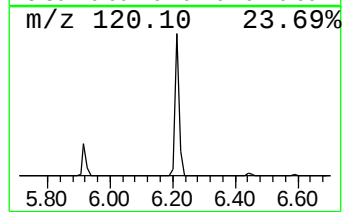
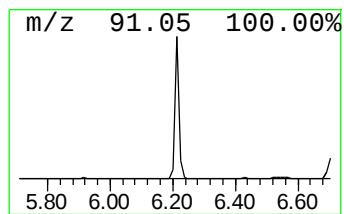
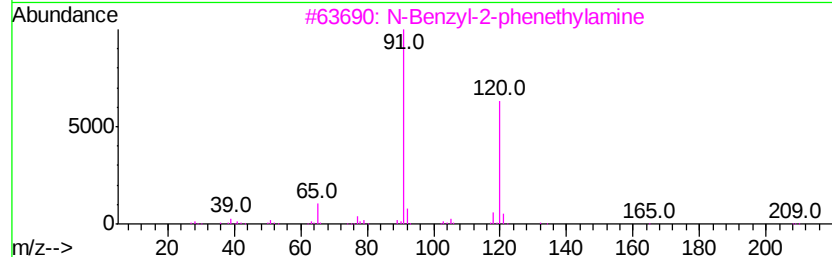
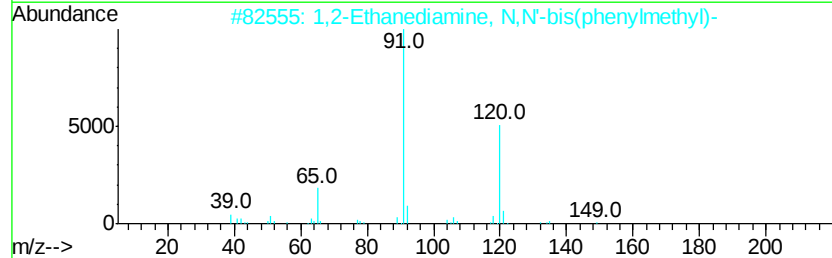
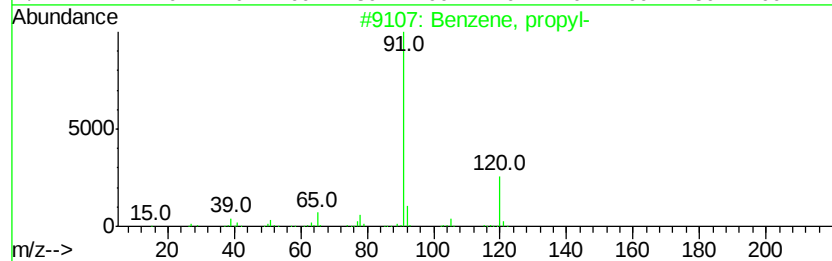
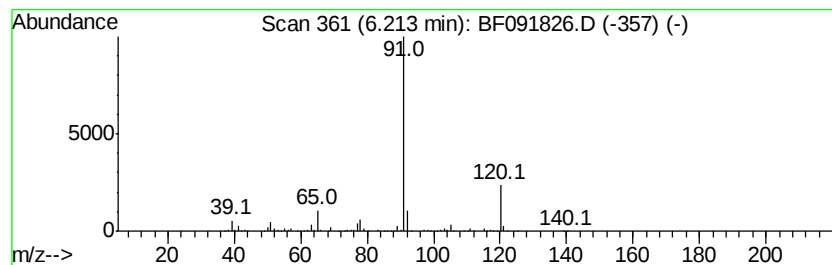
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Peak Number 3 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	29.52 ng	2139930	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	90
2		1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
3		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
4		Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64
5		Benzene, (ethenylloxy)-	120	C8H8O	000766-94-9	52



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Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
Sample : H6165-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2-10-11

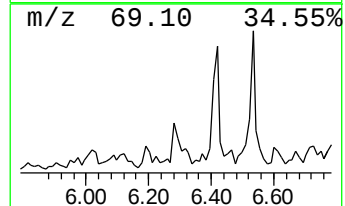
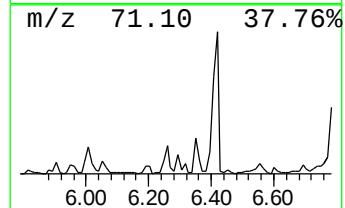
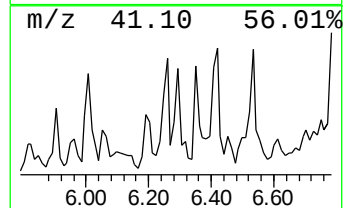
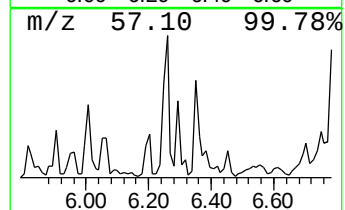
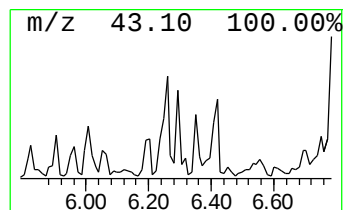
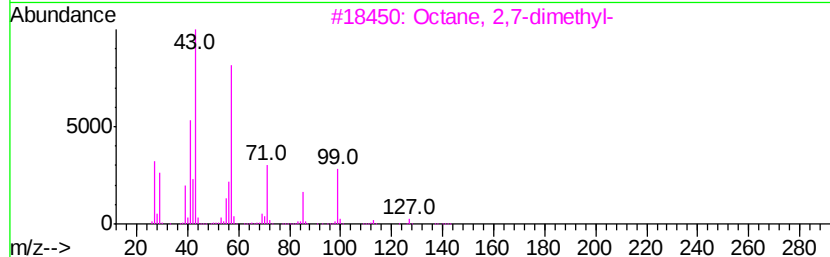
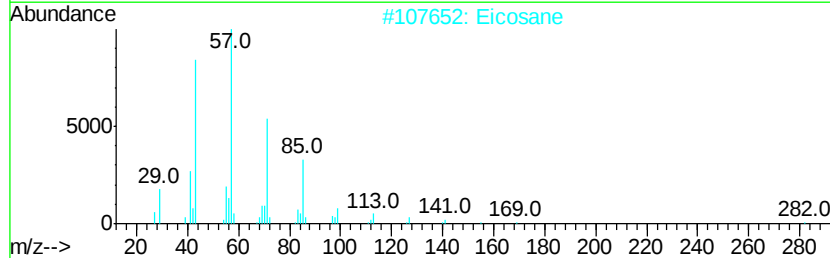
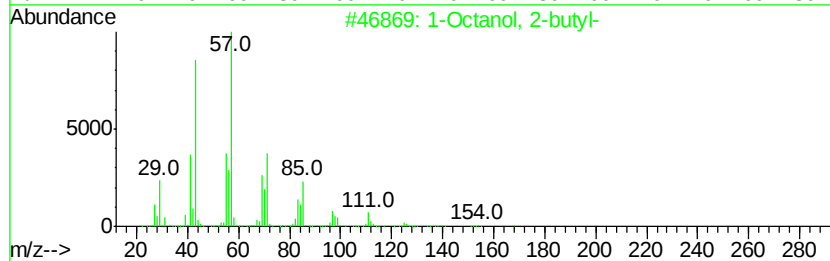
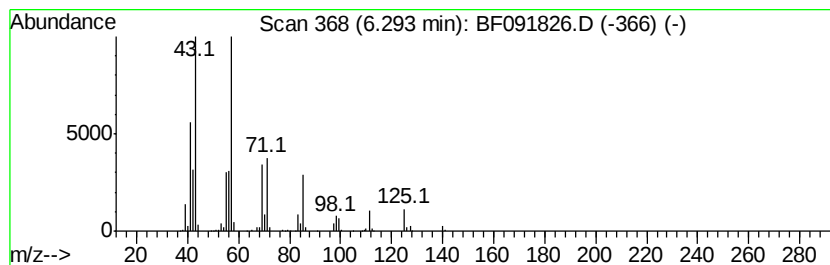
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-Octanol, 2-butyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	20.43 ng	1481100	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64
2		Eicosane	282	C20H42	000112-95-8	50
3		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	50
4		Hexadecane	226	C16H34	000544-76-3	47
5		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
Sample : H6165-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2-10-11

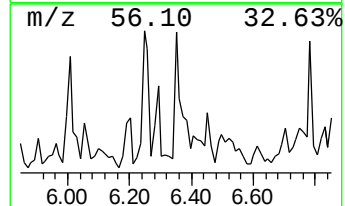
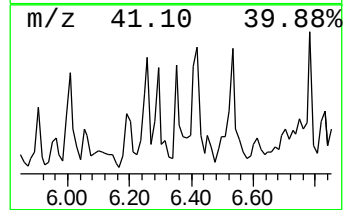
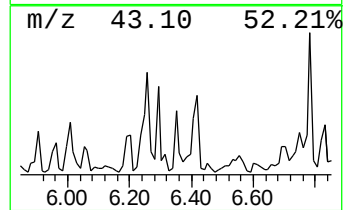
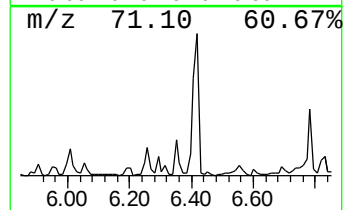
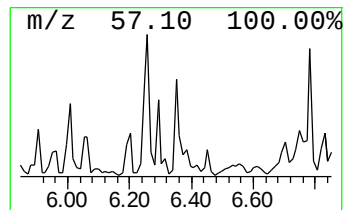
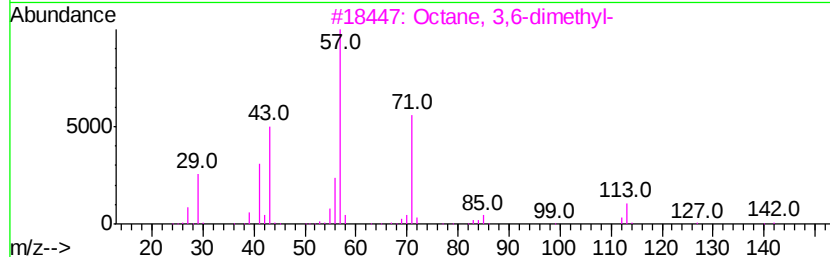
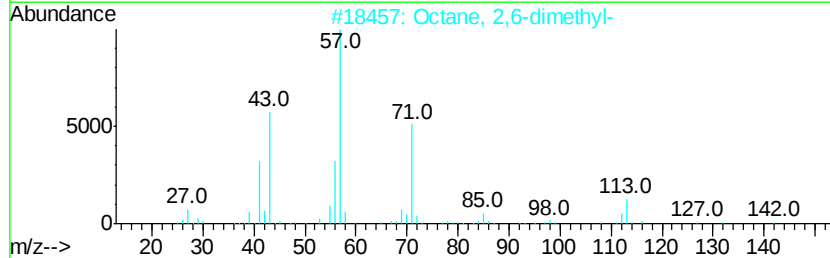
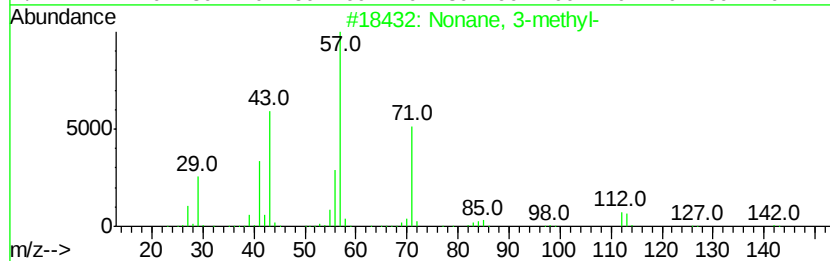
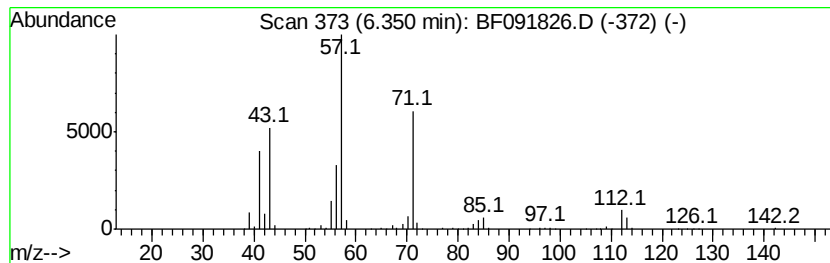
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Nonane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	19.63 ng	1422870	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
Sample : H6165-04
Misc :
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Instrument :
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ClientSampleId :
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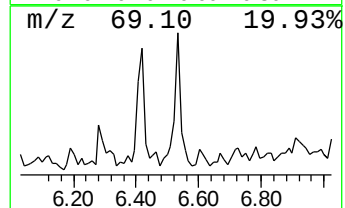
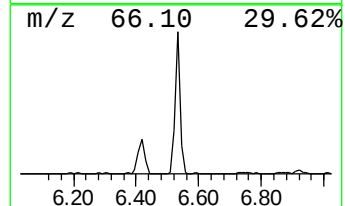
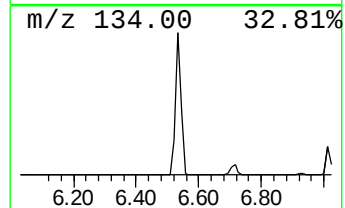
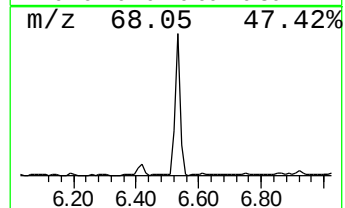
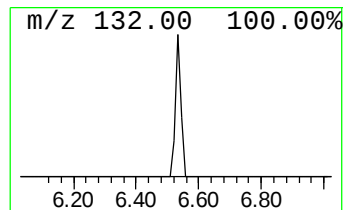
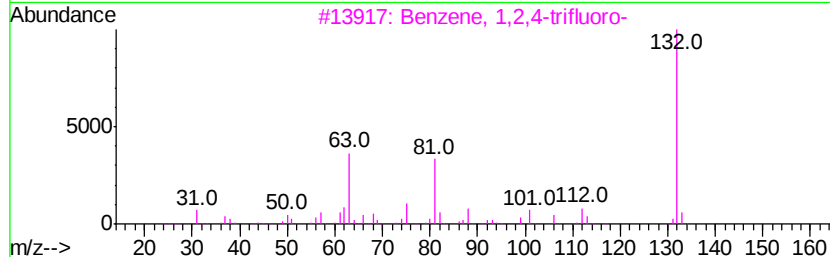
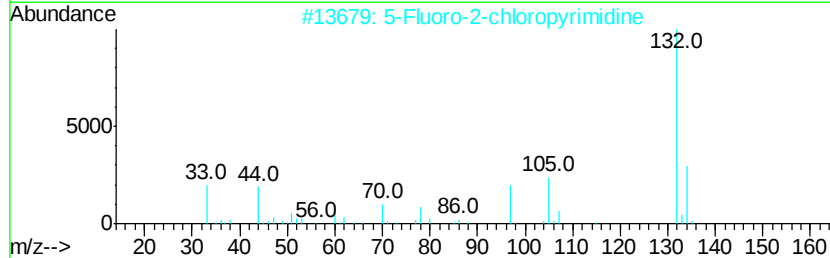
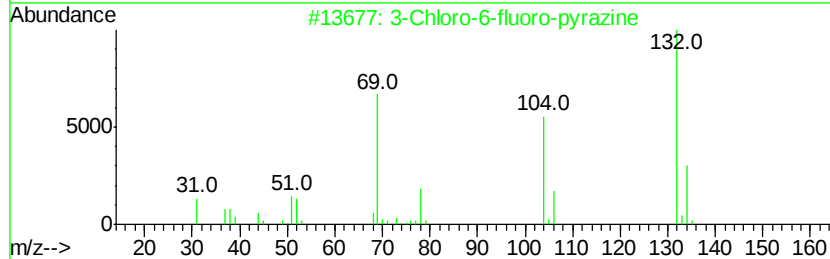
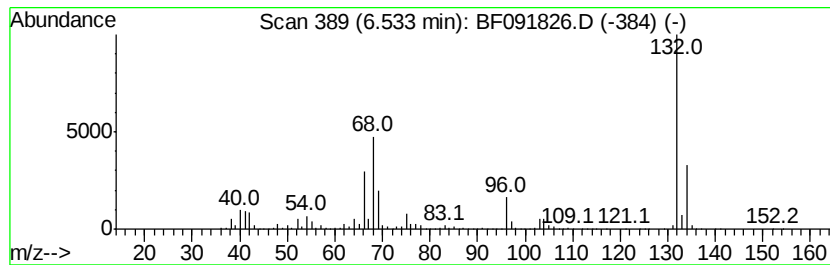
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	100.28 ng	7269210	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
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Sample : H6165-04
Misc :
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Instrument :
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ClientSampleId :
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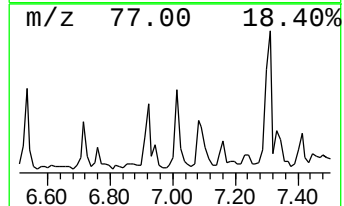
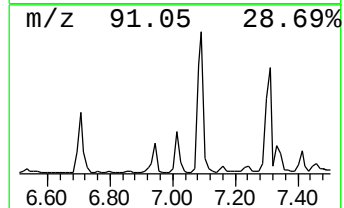
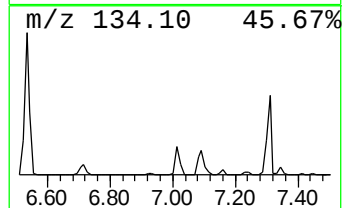
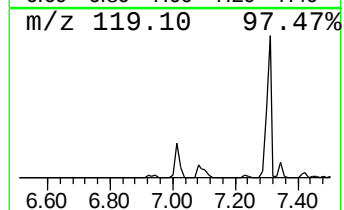
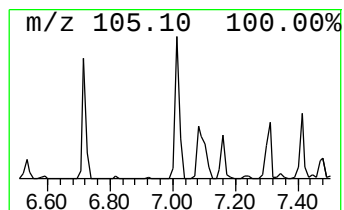
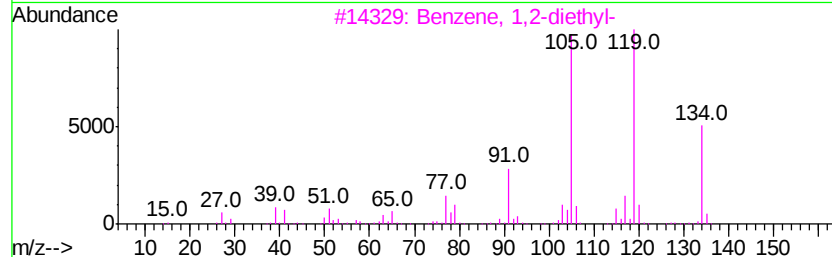
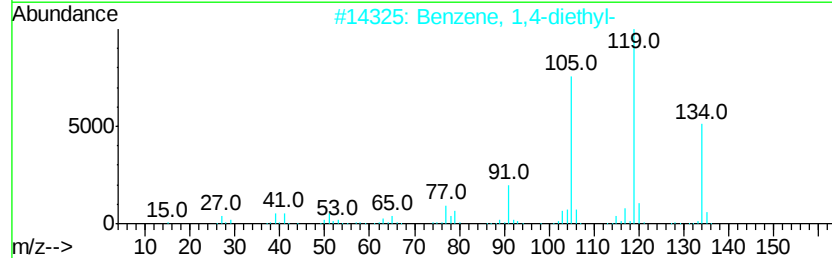
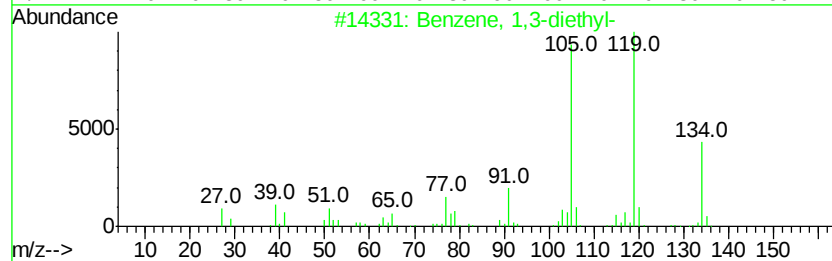
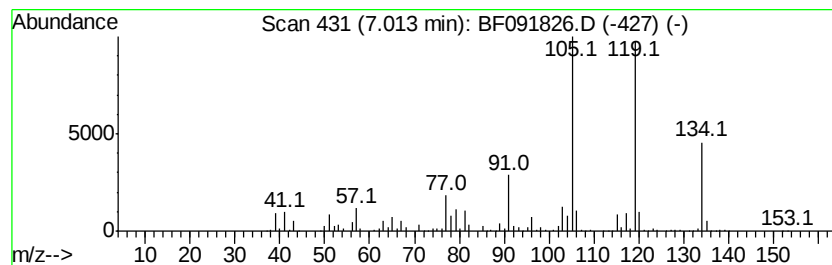
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	22.92 ng	1661430	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
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Misc :
ALS Vial : 40 Sample Multiplier: 1

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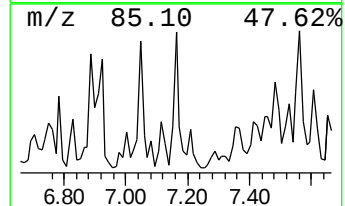
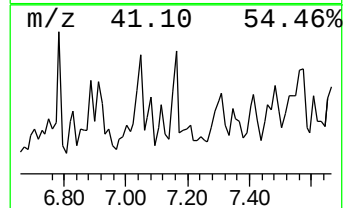
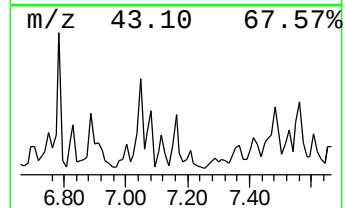
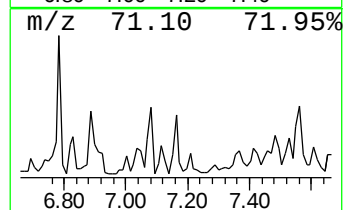
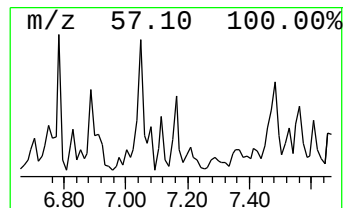
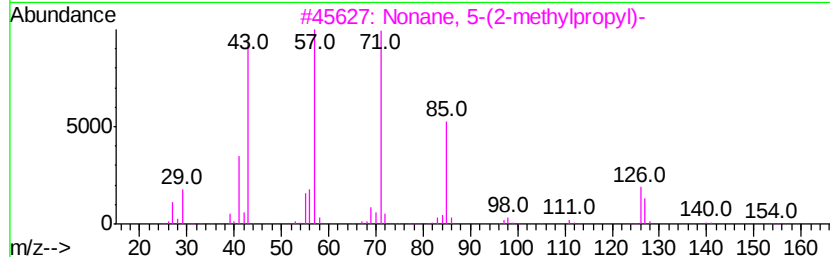
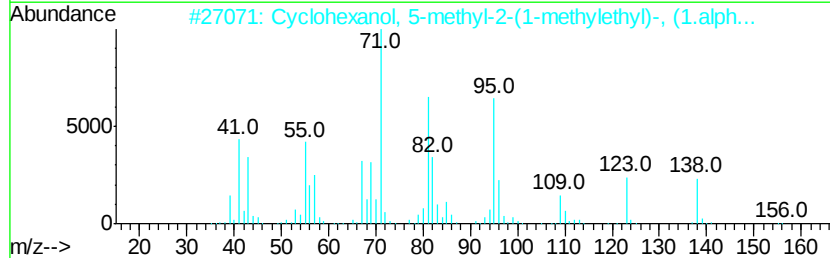
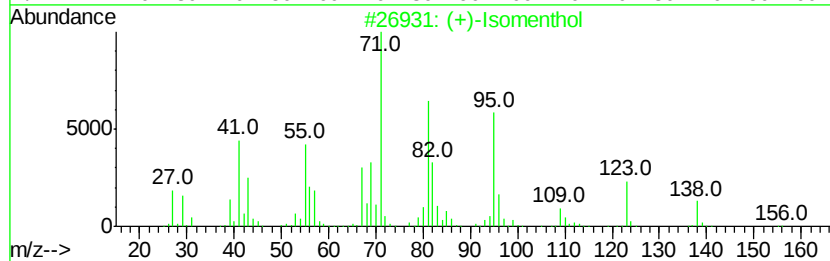
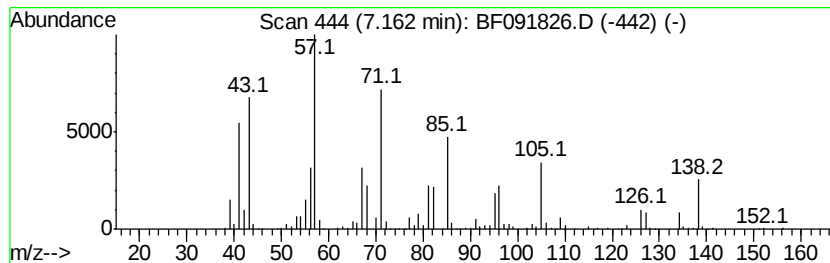
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown7.16 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	20.53 ng	1488230	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(+)-Isomenthol	156	C10H20O	1000152-08-3	38
2		Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	35
3		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	27
4		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	22
5		2-Decen-1-ol, (E)-	156	C10H20O	018409-18-2	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
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Misc :
ALS Vial : 40 Sample Multiplier: 1

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ClientSampleId :
SB-2-10-11

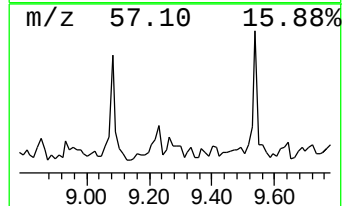
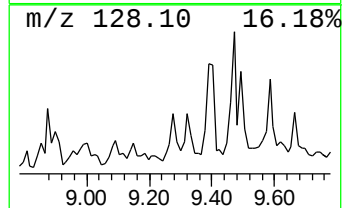
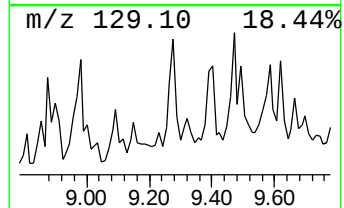
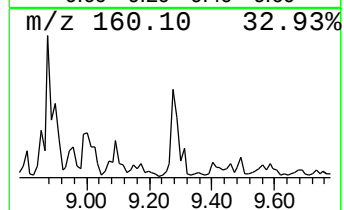
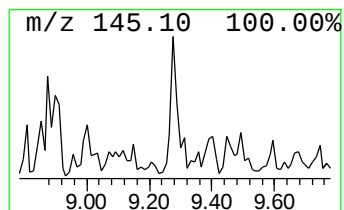
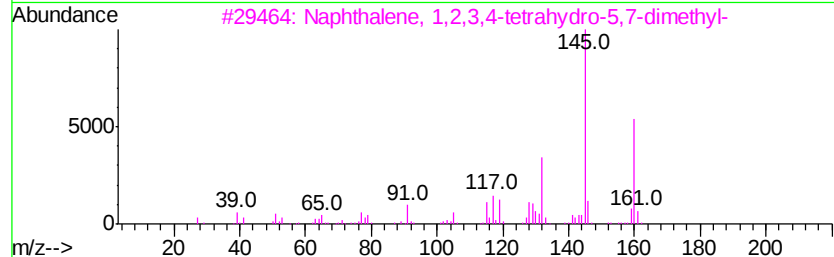
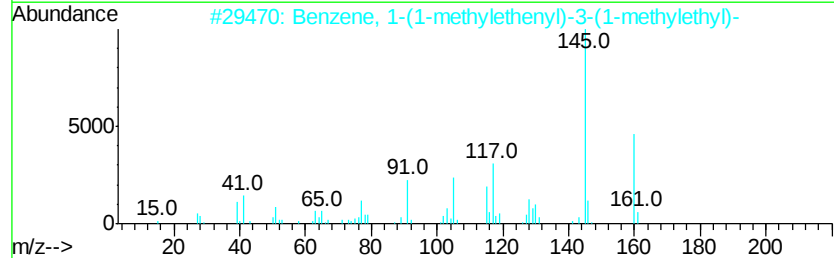
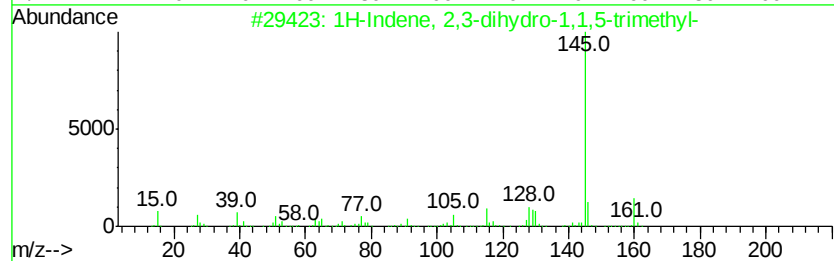
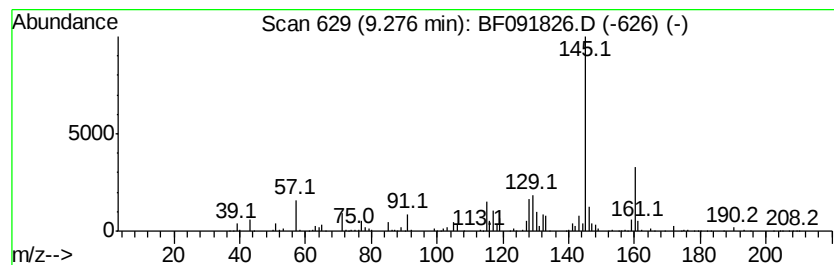
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	19.94 ng	4435950	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	91
2		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	91
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	90
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	90
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
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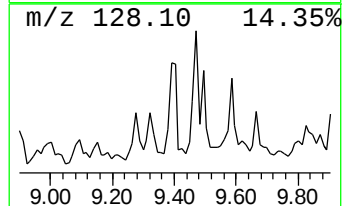
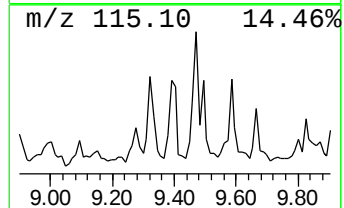
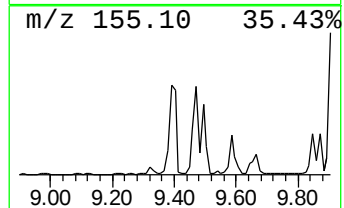
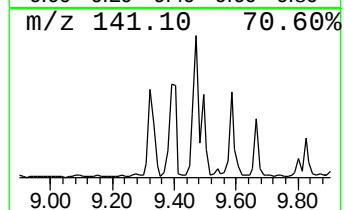
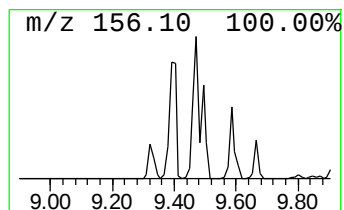
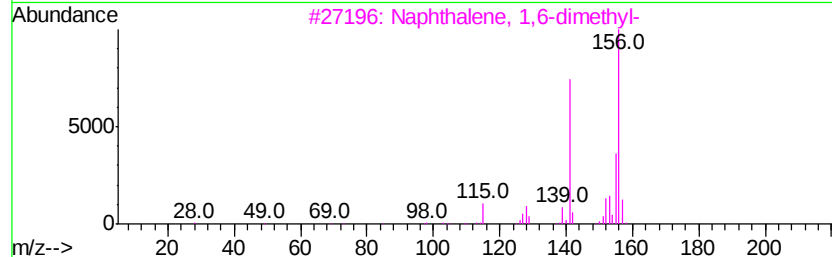
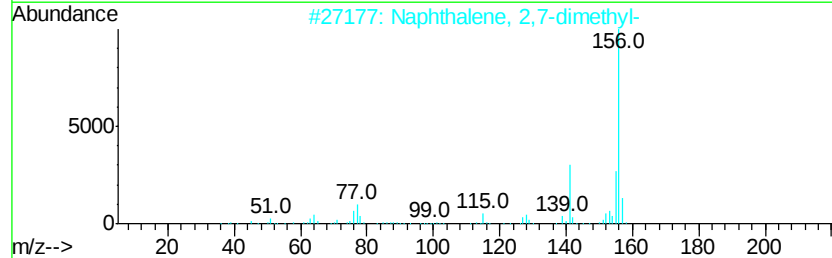
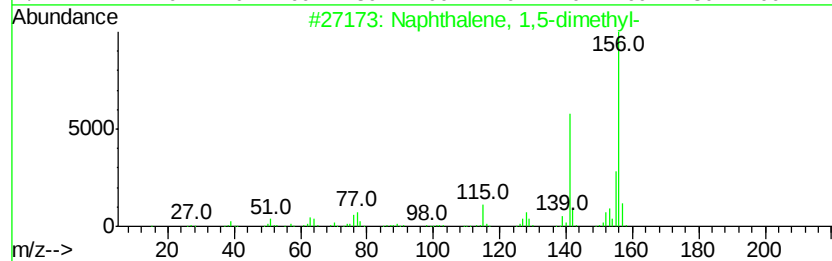
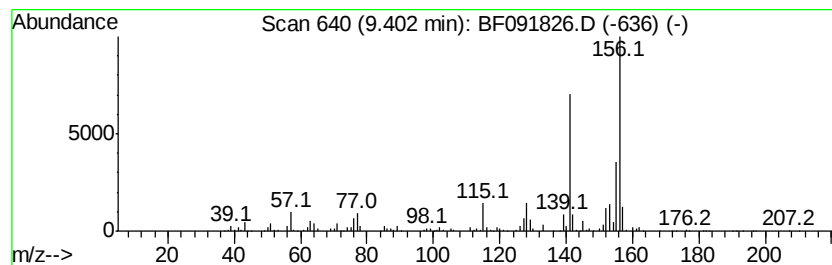
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	28.80 ng	6405170	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
Sample : H6165-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2-10-11

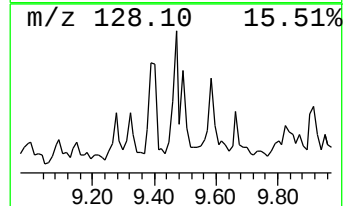
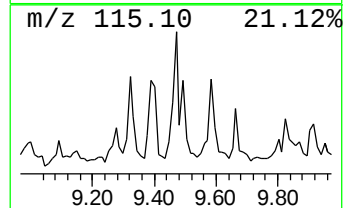
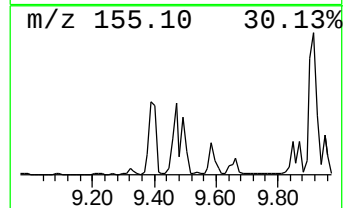
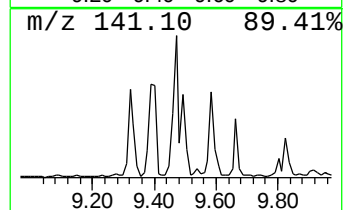
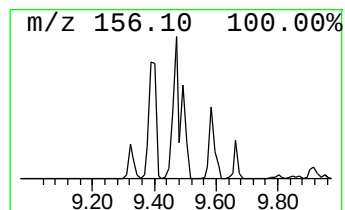
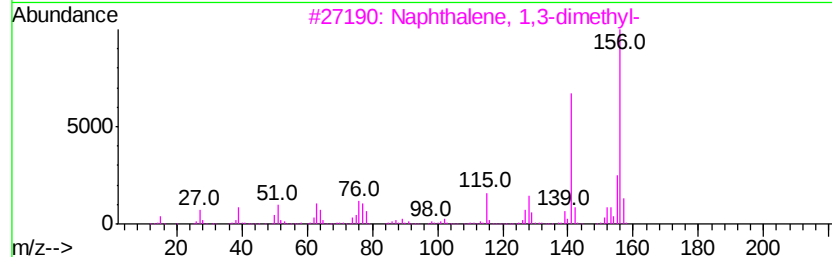
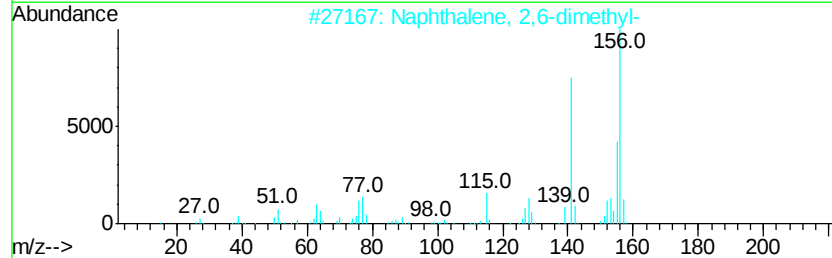
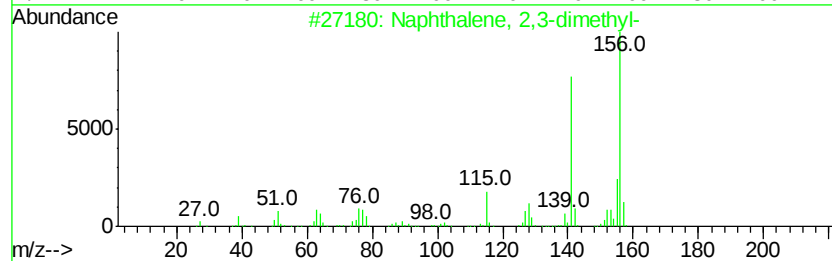
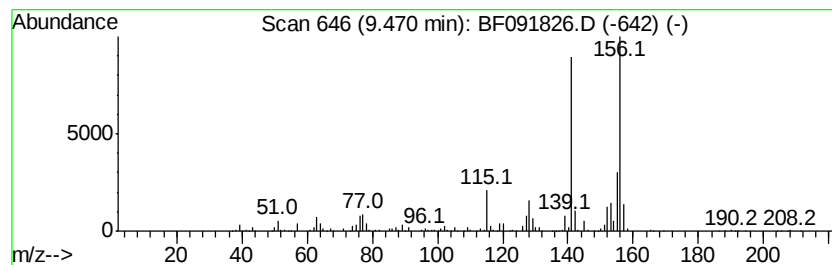
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	29.48 ng	6557710	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
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Misc :
ALS Vial : 40 Sample Multiplier: 1

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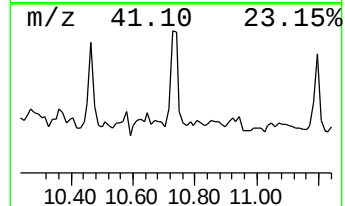
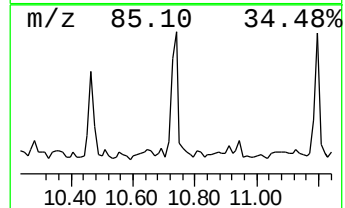
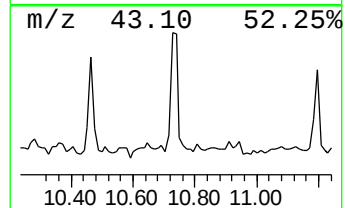
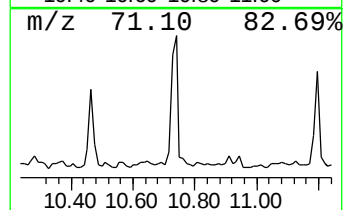
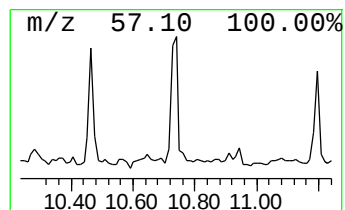
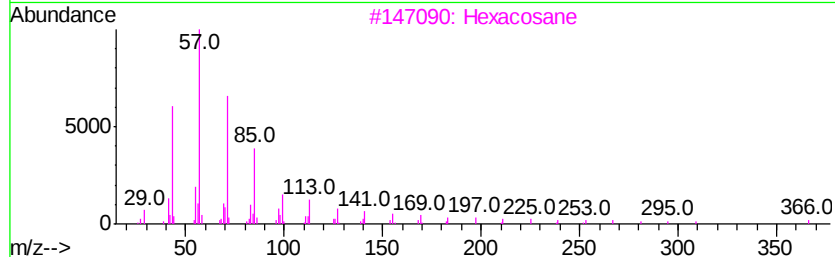
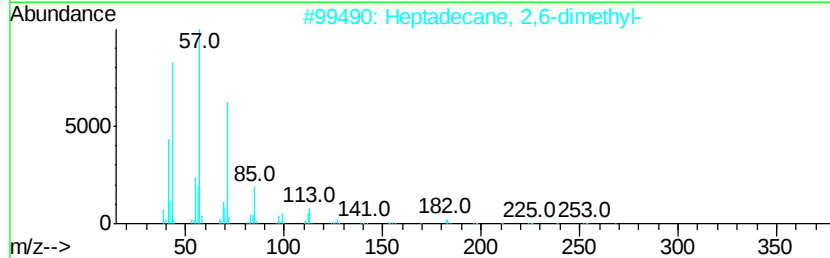
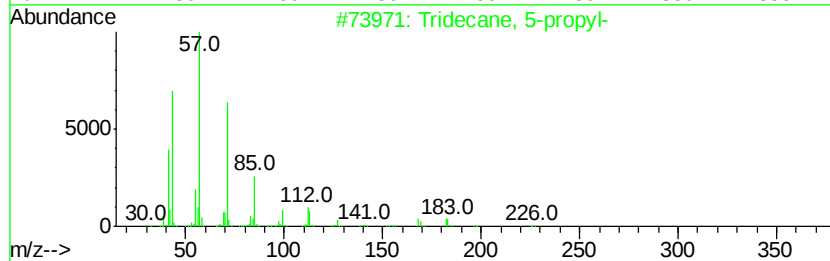
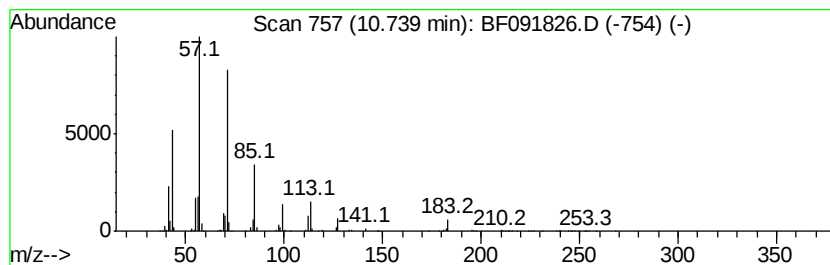
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tridecane, 5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	78.67 ng	5542750	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	78
3		Hexacosane	366	C26H54	000630-01-3	78
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
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Operator : UM/SJ
Sample : H6165-04
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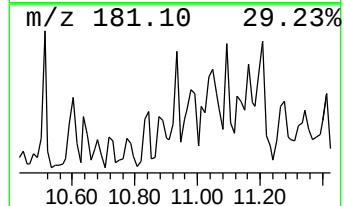
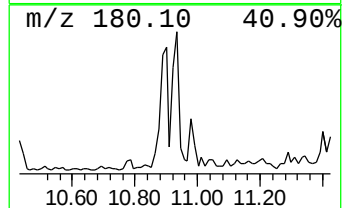
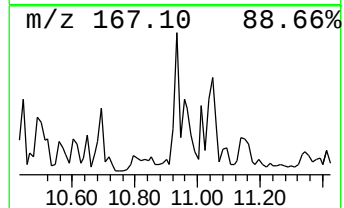
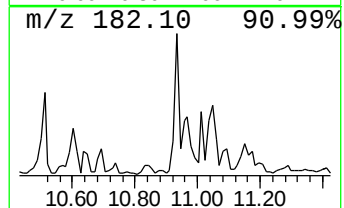
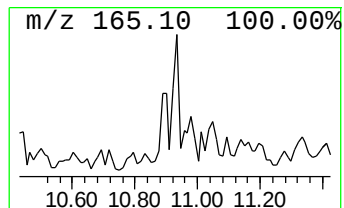
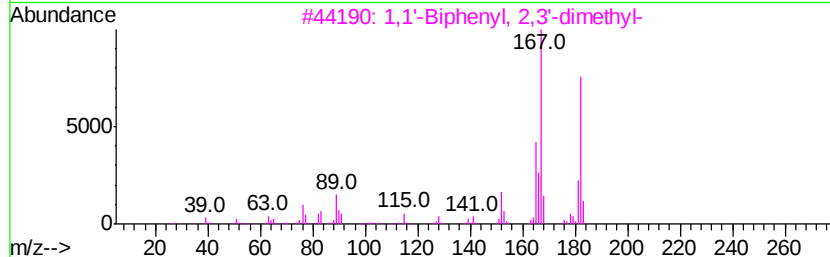
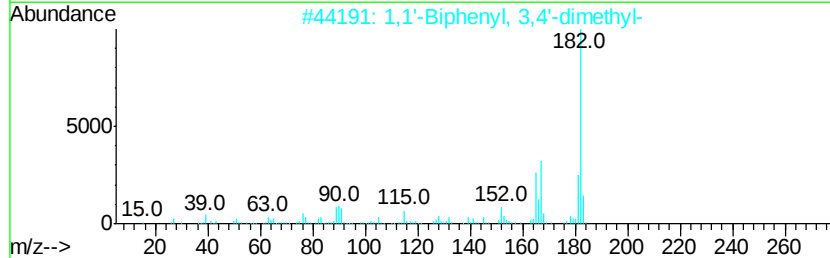
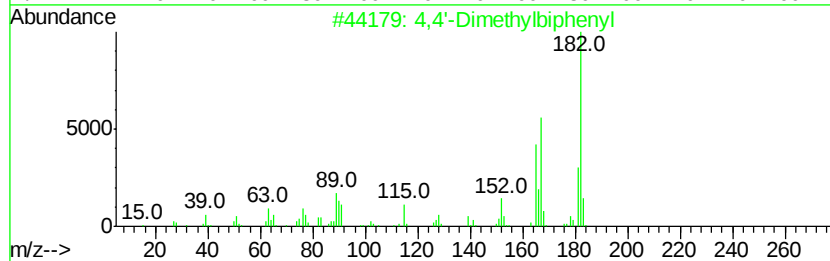
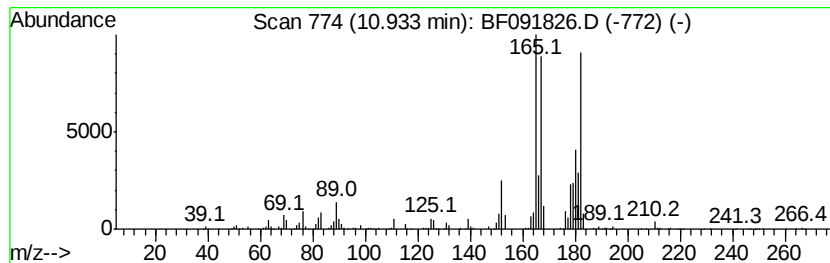
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ClientSampled :
SB-2-10-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.93	58.12 ng	4094910	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	64
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	58
3	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	49
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
Sample : H6165-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

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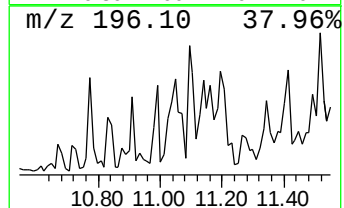
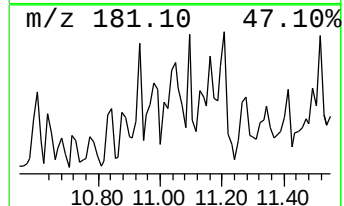
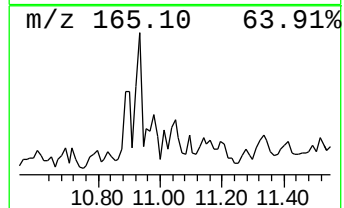
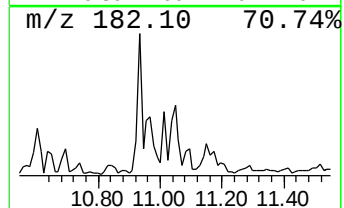
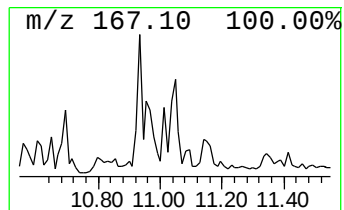
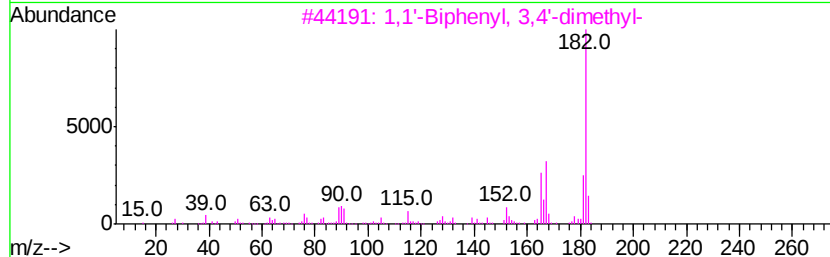
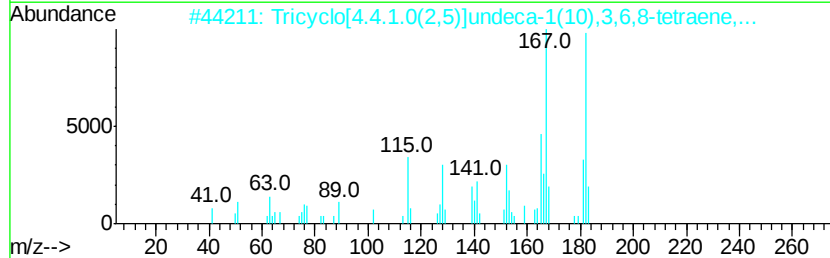
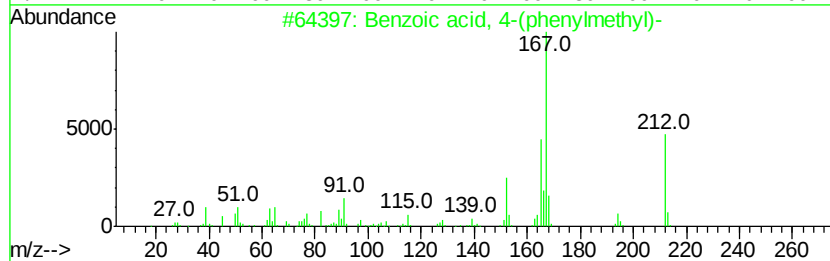
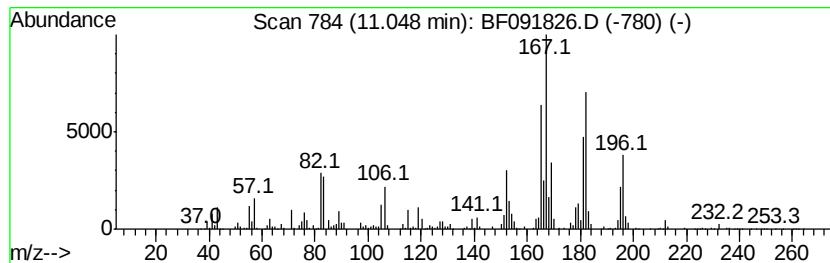
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzoic acid, 4-(phenylmeth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	37.96 ng	2674220	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 4-(phenylmethvl)-	212	C14H12O2	000620-86-0	64
2		Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	60
3		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55
4		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	55
5		Benzene, 1-ethyl-3-(phenylmethyl)-	196	C15H16	028122-24-9	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
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Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2-10-11

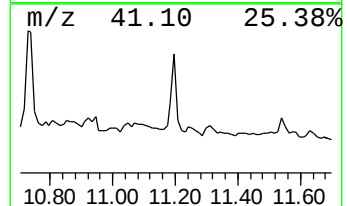
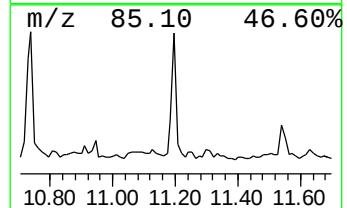
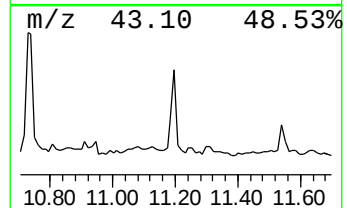
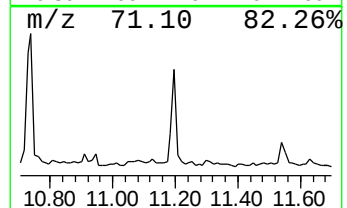
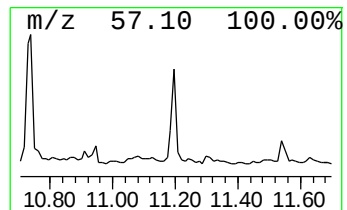
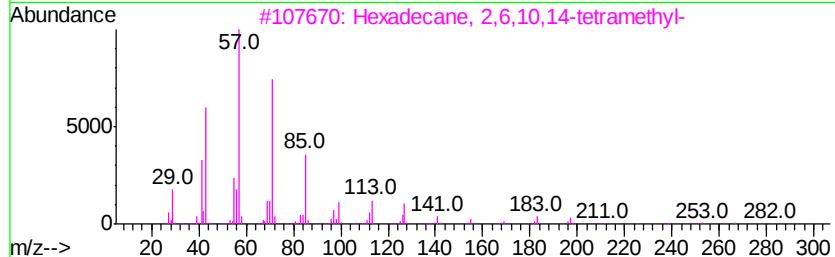
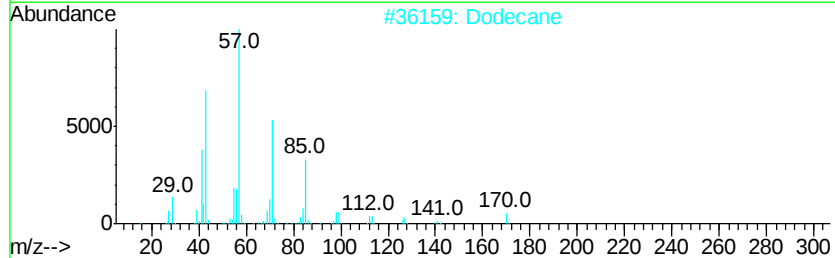
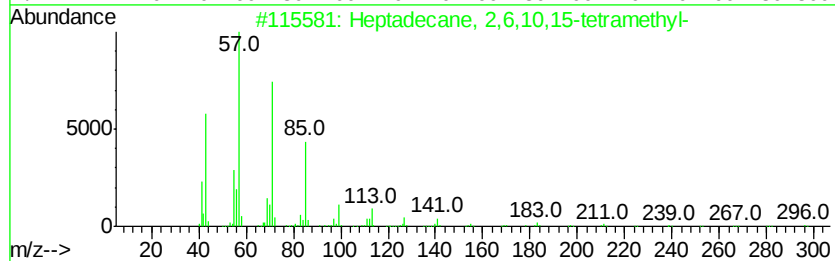
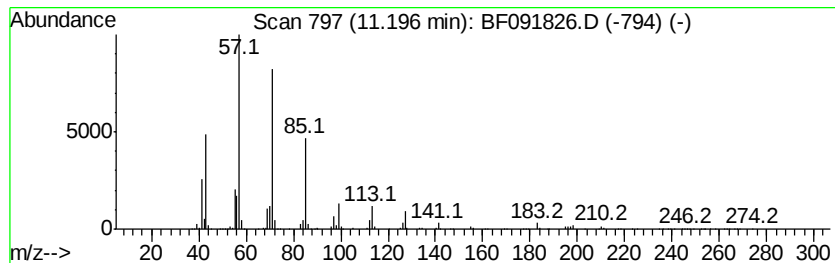
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecane, 2,6,10,15-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	54.11 ng	3812520	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2		Dodecane	170	C12H26	000112-40-3	86
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	83
5		Decane, 2-methyl-	156	C11H24	006975-98-0	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
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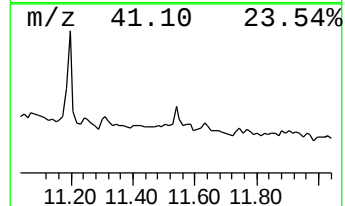
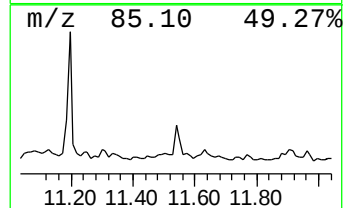
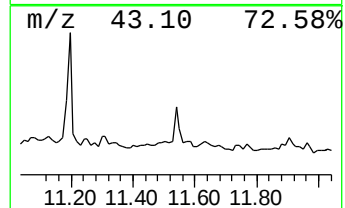
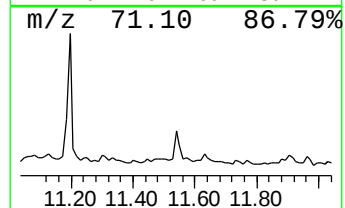
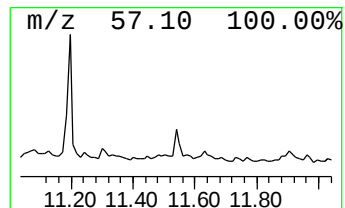
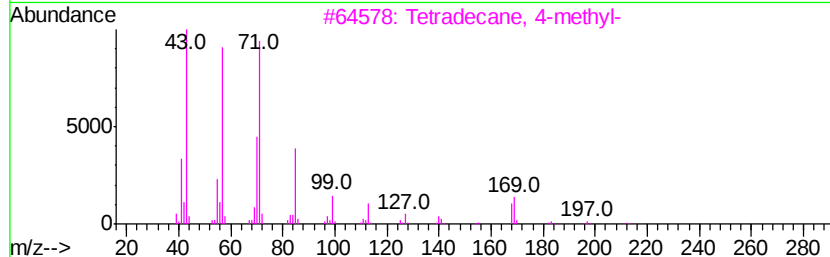
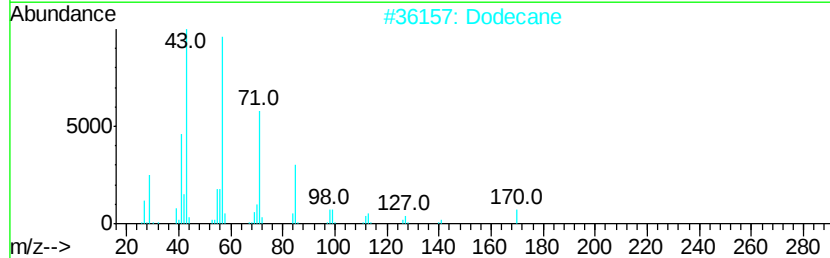
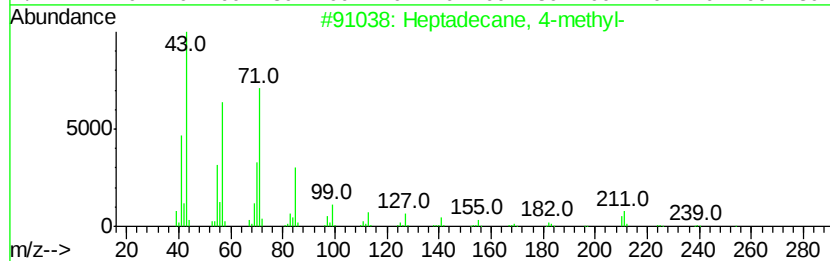
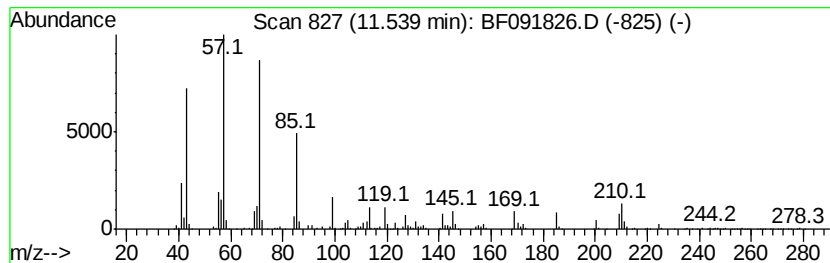
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heptadecane, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	22.80 ng	1605980	Phenanthrene-d10	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 4-methyl-	254	C18H38	026429-11-8	81
2			Dodecane	170	C12H26	000112-40-3	74
3			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	74
4			Pentadecane	212	C15H32	000629-62-9	72
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
Sample : H6165-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2-10-11

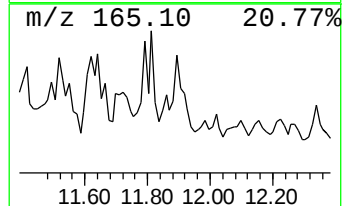
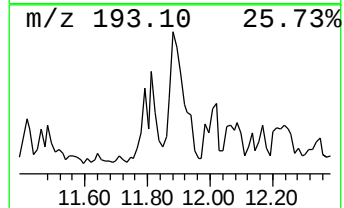
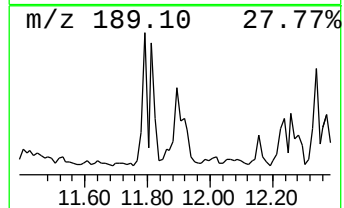
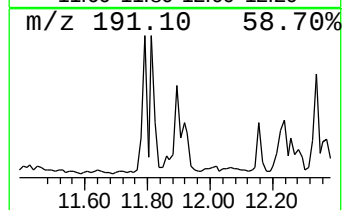
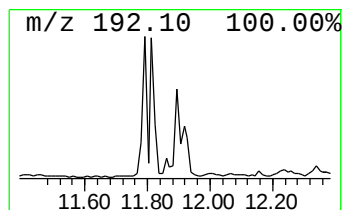
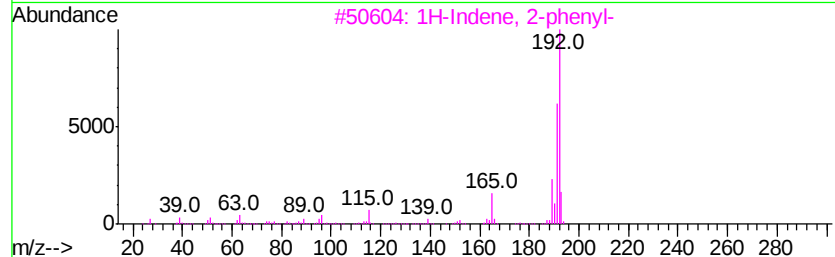
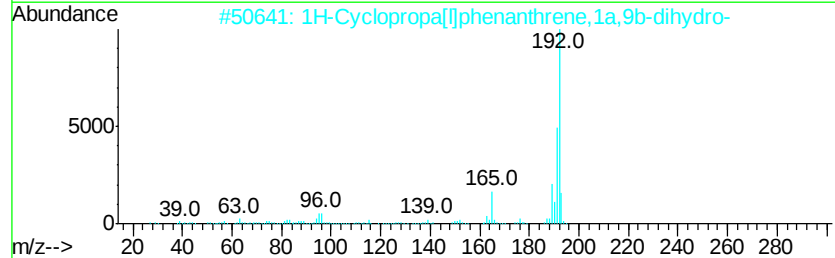
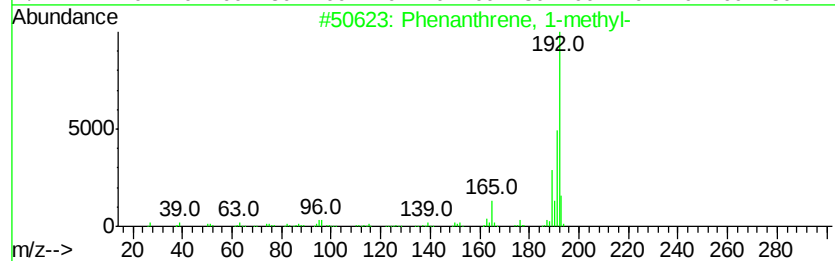
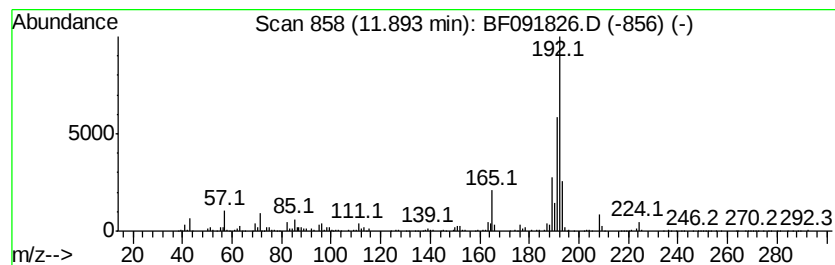
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	33.22 ng	2340330	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091826.D
Acq On : 20 Dec 2016 18:04
Operator : UM/SJ
Sample : H6165-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2-10-11

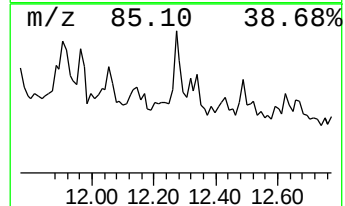
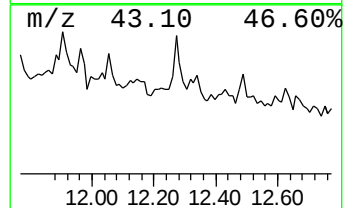
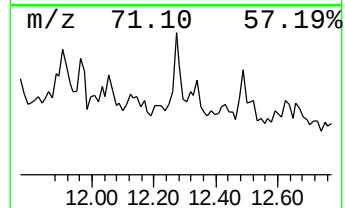
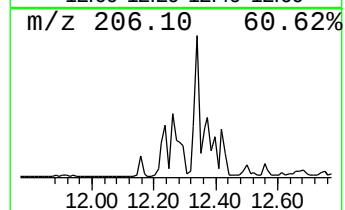
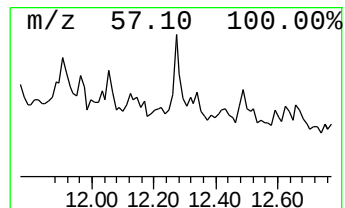
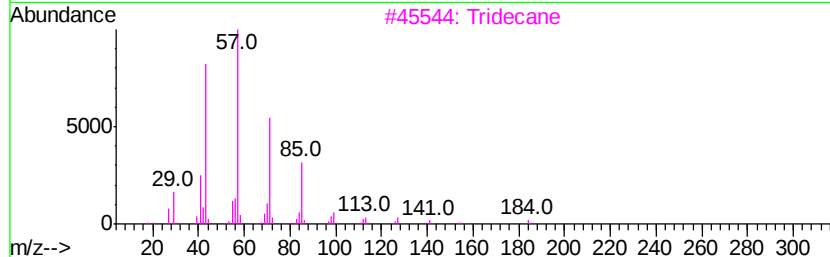
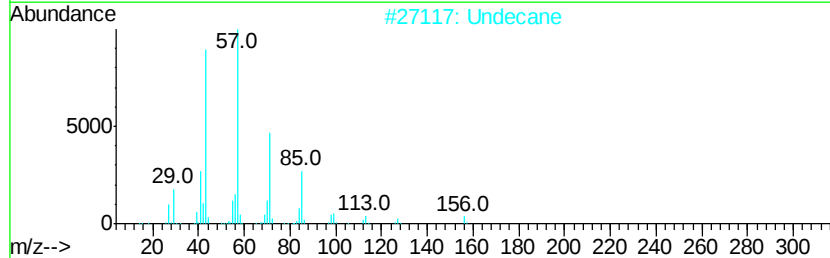
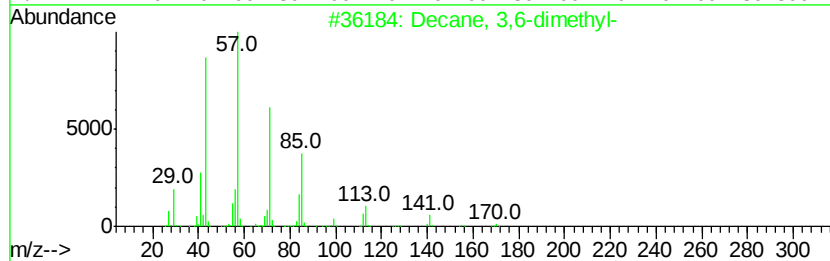
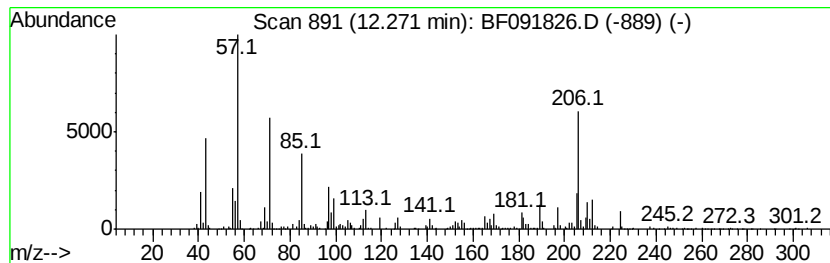
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown12.27 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	19.09 ng	1344810	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	42
2		Undecane	156	C11H24	001120-21-4	42
3		Tridecane	184	C13H28	000629-50-5	42
4		Dodecane	170	C12H26	000112-40-3	42
5		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
 Data File : BF091826.D
 Acq On : 20 Dec 2016 18:04
 Operator : UM/SJ
 Sample : H6165-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-10-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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
Acetic acid, 1,1-...	4.94	39.8	ng	2882100	1	6.76	1449730	20.0
Octane, 2,6-dimet...	6.01	21.0	ng	1522720	1	6.76	1449730	20.0
Benzene, propyl-	6.21	29.5	ng	2139930	1	6.76	1449730	20.0
1-Octanol, 2-butyl-	6.29	20.4	ng	1481100	1	6.76	1449730	20.0
Nonane, 3-methyl-	6.35	19.6	ng	1422870	1	6.76	1449730	20.0
unknown6.53	6.53	100.3	ng	7269210	1	6.76	1449730	20.0
Benzene, 1,3-diet...	7.01	22.9	ng	1661430	1	6.76	1449730	20.0
unknown7.16	7.16	20.5	ng	1488230	1	6.76	1449730	20.0
1H-Indene, 2,3-di...	9.28	19.9	ng	4435950	3	9.80	4448730	20.0
Naphthalene, 1,5-...	9.40	28.8	ng	6405170	3	9.80	4448730	20.0
Naphthalene, 2,3-...	9.47	29.5	ng	6557710	3	9.80	4448730	20.0
Tridecane, 5-propyl-	10.74	78.7	ng	5542750	4	11.29	1409060	20.0
4,4'-Dimethylbiph...	10.93	58.1	ng	4094910	4	11.29	1409060	20.0
Benzoic acid, 4-(...	11.05	38.0	ng	2674220	4	11.29	1409060	20.0
Heptadecane, 2,6,...	11.20	54.1	ng	3812520	4	11.29	1409060	20.0
Heptadecane, 4-me...	11.54	22.8	ng	1605980	4	11.29	1409060	20.0
Phenanthrene, 1-m...	11.89	33.2	ng	2340330	4	11.29	1409060	20.0
unknown12.27	12.27	19.1	ng	1344810	4	11.29	1409060	20.0