

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122515\
 Data File : BF084151.D
 Acq On : 26 Dec 2015 1:53
 Operator : UM/SJ
 Sample : G4954-10
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1SP-1(0-2)8E

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-BF122415.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	4.967	249	252	260	rBV	188766	273358	5.33%	0.230%
2	5.413	289	291	294	rBV	1080481	1110980	21.68%	0.933%
3	6.041	344	346	349	rVB2	244263	288491	5.63%	0.242%
4	6.236	360	363	366	rBV3	108125	227192	4.43%	0.191%
5	6.327	366	371	375	rVB6	178953	442587	8.64%	0.372%
6	6.396	375	377	380	rBV2	90781	141691	2.76%	0.119%
7	6.464	380	383	385	rBV	954745	1306911	25.50%	1.097%
8	6.544	387	390	391	rBV	170016	298222	5.82%	0.250%
9	6.579	391	393	395	rVB	1371164	1398620	27.29%	1.174%
10	6.659	398	400	401	rVB2	135619	163891	3.20%	0.138%
11	6.750	401	408	409	rBV3	131634	301462	5.88%	0.253%
12	6.796	411	412	413	rBV	365790	337638	6.59%	0.284%
13	6.830	413	415	416	rVB	432244	537348	10.48%	0.451%
14	6.864	416	418	420	rBV2	240863	355003	6.93%	0.298%
15	6.956	424	426	428	rBV	1381387	1429448	27.89%	1.200%
16	7.081	430	437	439	rBV5	355209	1140965	22.26%	0.958%
17	7.127	439	441	442	rBV2	301755	351720	6.86%	0.295%
18	7.150	442	443	445	rBV2	142753	175194	3.42%	0.147%
19	7.196	445	447	449	rBV	585531	580900	11.33%	0.488%
20	7.299	453	456	457	rBV3	139787	247871	4.84%	0.208%
21	7.344	457	460	461	rBV	919168	1281691	25.01%	1.076%
22	7.459	467	470	472	rBV3	472949	829684	16.19%	0.697%
23	7.493	472	473	475	rVV2	238721	477642	9.32%	0.401%
24	7.527	475	476	478	rVV2	421024	401104	7.83%	0.337%
25	7.584	478	481	482	rVV2	492490	995714	19.43%	0.836%
26	7.607	482	483	486	rVV2	780287	1006920	19.65%	0.845%
27	7.653	486	487	488	rVV	209513	186064	3.63%	0.156%
28	7.733	489	494	496	rVV4	774558	2215427	43.22%	1.860%
29	7.779	496	498	499	rVV2	414582	545783	10.65%	0.458%
30	7.836	499	503	504	rVV	985993	1537782	30.00%	1.291%
31	7.859	504	505	508	rVV3	429515	565219	11.03%	0.475%
32	7.927	508	511	513	rVV3	585666	1004377	19.60%	0.843%
33	7.962	513	514	516	rVV	441411	583379	11.38%	0.490%
34	7.996	516	517	519	rVV2	264534	344095	6.71%	0.289%

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35	8.087	519	525	526	rVV2	1546123	3135731	61.18%	2.633%
36	8.110	526	527	529	rVV2	899785	1473754	28.75%	1.237%
37	8.144	529	530	531	rVV	976589	936042	18.26%	0.786%
38	8.167	531	532	533	rVV	1287026	1111164	21.68%	0.933%
39	8.224	535	537	538	rVV2	290965	418455	8.16%	0.351%
40	8.293	538	543	545	rVV4	896324	2178527	42.50%	1.829%
41	8.339	545	547	548	rVV	618734	837881	16.35%	0.704%
42	8.384	548	551	553	rVV4	960004	2250240	43.90%	1.889%
43	8.419	553	554	556	rVV2	408791	804854	15.70%	0.676%
44	8.476	558	559	561	rVV	752926	1110159	21.66%	0.932%
45	8.533	561	564	566	rVV	1985640	2912748	56.83%	2.446%
46	8.567	566	567	568	rVV	807022	670780	13.09%	0.563%
47	8.602	568	570	572	rVV2	1852513	2285924	44.60%	1.919%
48	8.659	572	575	576	rVV3	646897	1563803	30.51%	1.313%
49	8.693	576	578	579	rVV2	755677	1304194	25.45%	1.095%
50	8.762	581	584	585	rVV2	1341427	2594918	50.63%	2.179%
51	8.796	585	587	590	rVV2	1058577	2393976	46.71%	2.010%
52	8.853	590	592	593	rVV2	480057	840682	16.40%	0.706%
53	8.910	593	597	600	rVV2	1939976	5125414	100.00%	4.304%
54	9.013	602	606	607	rVV4	976835	2225231	43.42%	1.868%
55	9.036	607	608	613	rVV4	772449	2458741	47.97%	2.065%
56	9.127	613	616	618	rVV3	1885157	3468663	67.68%	2.913%
57	9.173	618	620	621	rVV	1421788	1761445	34.37%	1.479%
58	9.207	621	623	625	rVV3	538758	1106035	21.58%	0.929%
59	9.253	625	627	630	rVV4	885791	2157441	42.09%	1.812%
60	9.322	630	633	636	rVV2	1190205	3374682	65.84%	2.834%
61	9.367	636	637	640	rVV3	854811	1649361	32.18%	1.385%
62	9.447	640	644	646	rVV	1500924	3245339	63.32%	2.725%
63	9.516	646	650	651	rVV2	1973416	3465452	67.61%	2.910%
64	9.585	655	656	657	rVV	2189306	1916472	37.39%	1.609%
65	9.630	659	660	662	rVV	1247735	1706139	33.29%	1.433%
66	9.710	666	667	670	rVV2	719721	1315592	25.67%	1.105%
67	9.767	670	672	673	rVV	690721	875691	17.09%	0.735%
68	9.847	676	679	680	rVV3	776733	1629306	31.79%	1.368%
69	9.893	680	683	684	rVV3	568142	1289571	25.16%	1.083%
70	9.962	687	689	691	rVB	929607	1262952	24.64%	1.060%
71	10.053	695	697	699	rVV	1206124	1468285	28.65%	1.233%

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72	10.099	699	701	705	rVB3	915223	1642412	32.04%	1.379%
73	10.168	705	707	709	rBV2	813859	1263426	24.65%	1.061%
74	10.282	713	717	718	rVB2	452815	871209	17.00%	0.732%
75	10.396	725	727	730	rBV3	614226	1579255	30.81%	1.326%
76	10.510	735	737	739	rVB	1724148	1628726	31.78%	1.368%
77	10.636	746	748	750	rVB3	454695	676141	13.19%	0.568%
78	10.716	754	755	758	rBV3	242391	466011	9.09%	0.391%
79	10.785	758	761	763	rVB2	2305794	3240294	63.22%	2.721%
80	10.842	763	766	767	rBV3	267088	476369	9.29%	0.400%
81	10.945	773	775	776	rBV2	247341	314042	6.13%	0.264%
82	10.979	776	778	780	rVV2	672419	896325	17.49%	0.753%
83	11.093	784	788	791	rBV5	427021	945032	18.44%	0.794%
84	11.196	794	797	798	rBV3	302892	507234	9.90%	0.426%
85	11.242	798	801	804	rVB	1982731	2409924	47.02%	2.024%
86	11.356	808	811	812	rBV2	714192	914709	17.85%	0.768%
87	11.448	817	819	822	rBV4	247424	392009	7.65%	0.329%
88	11.585	829	831	833	rVB2	506886	583876	11.39%	0.490%
89	11.676	836	839	841	rBV3	243680	560938	10.94%	0.471%
90	11.836	851	853	854	rBV	369838	341245	6.66%	0.287%
91	11.951	860	863	867	rVB3	457933	1055150	20.59%	0.886%
92	12.316	893	895	899	rVB	354872	515994	10.07%	0.433%
93	12.385	899	901	903	rBV	439000	513305	10.01%	0.431%
94	12.545	913	915	917	rVB	610364	542816	10.59%	0.456%
95	12.773	933	935	938	rVB	549707	677075	13.21%	0.569%
96	12.831	938	940	943	rBV2	185987	180605	3.52%	0.152%
97	12.911	945	947	949	rBV	1003970	899880	17.56%	0.756%
98	13.962	1037	1039	1044	rVB3	388689	744283	14.52%	0.625%
99	14.991	1127	1129	1136	rVB	262682	610412	11.91%	0.513%
100	15.402	1162	1165	1166	rBV	170629	234937	4.58%	0.197%

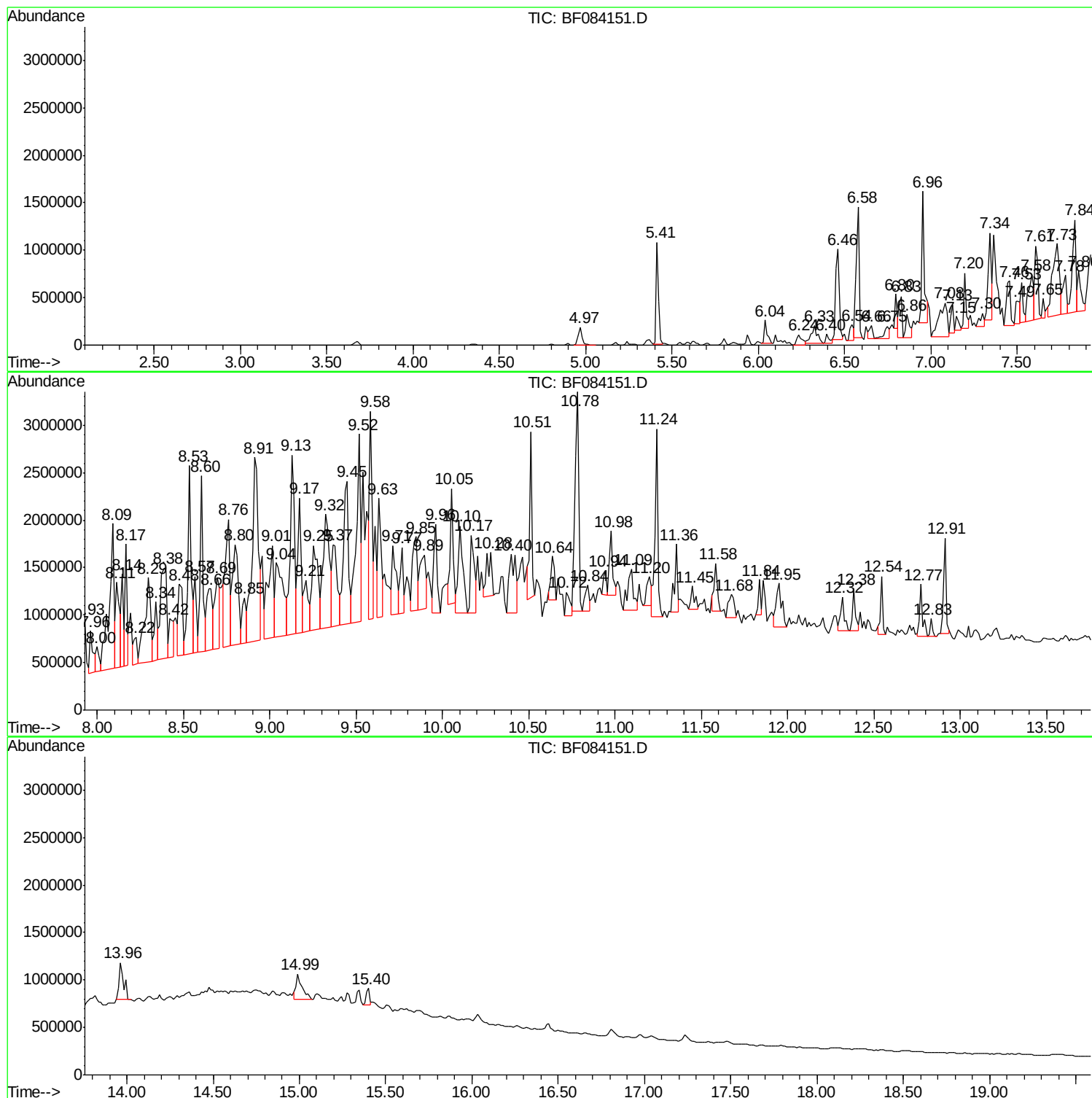
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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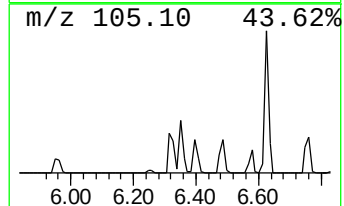
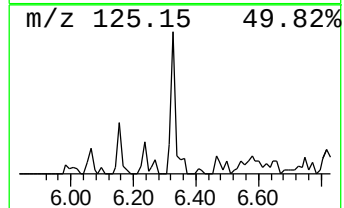
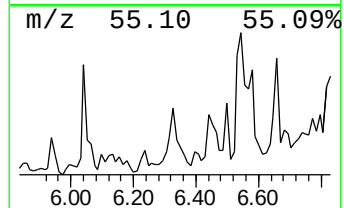
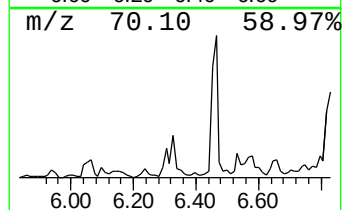
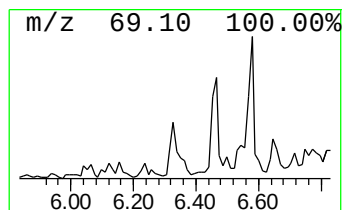
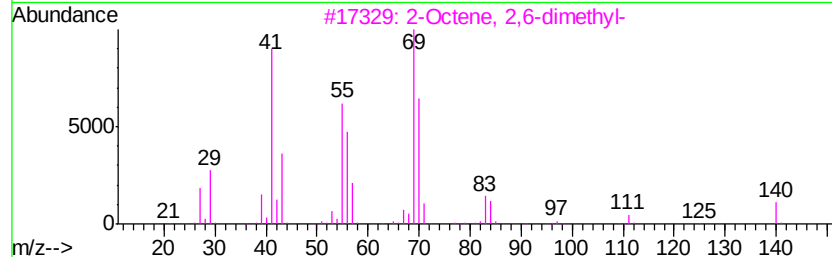
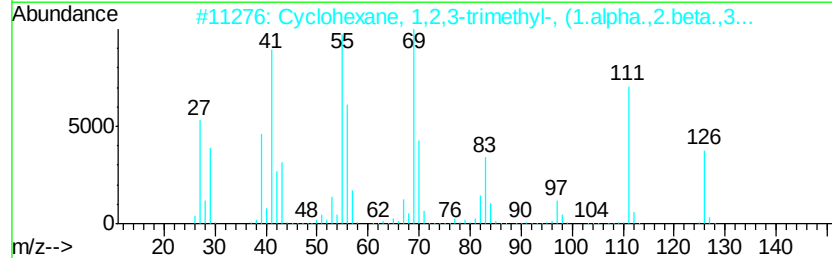
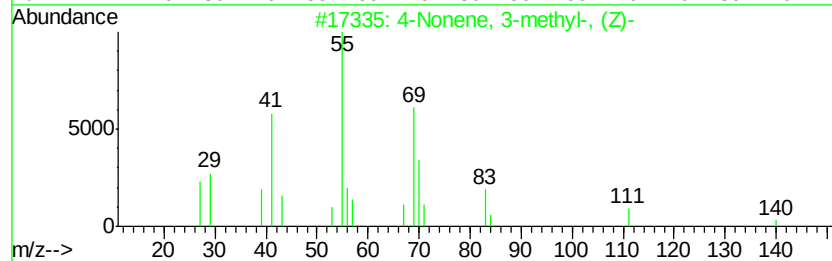
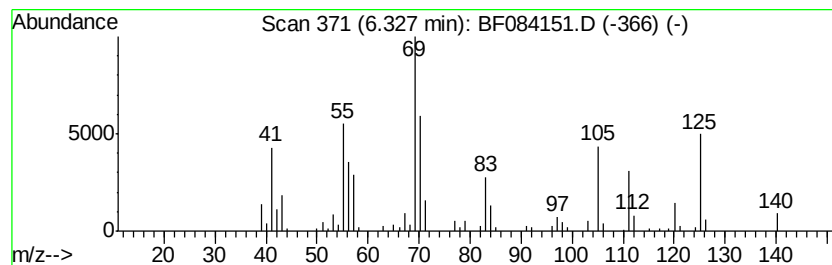
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 4-Nonene, 3-methyl-, (Z)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	26.22 ng	442587	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	64
2		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	64
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
4		1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	58
5		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	52



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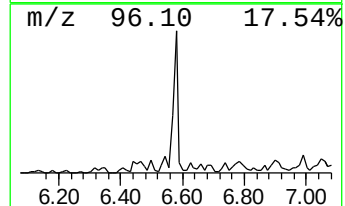
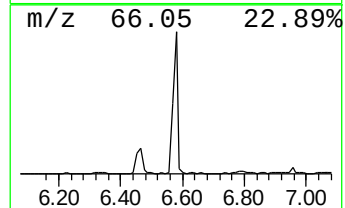
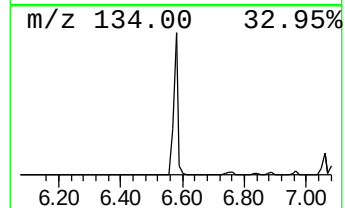
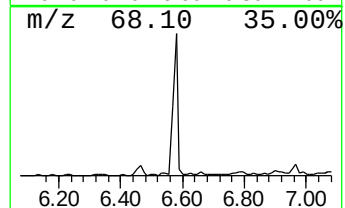
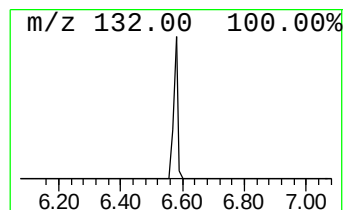
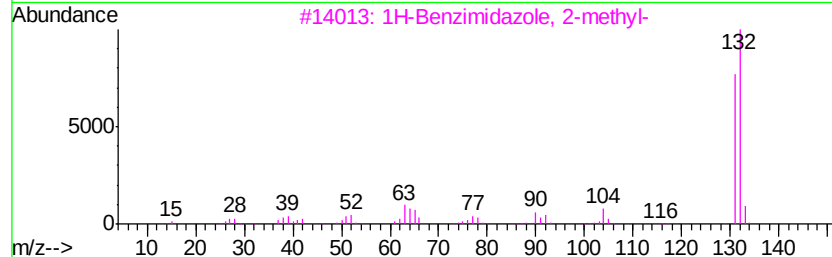
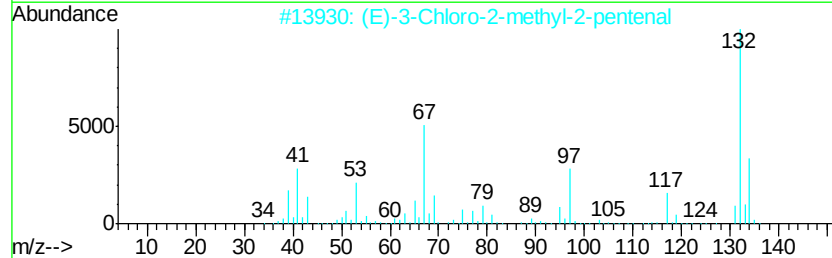
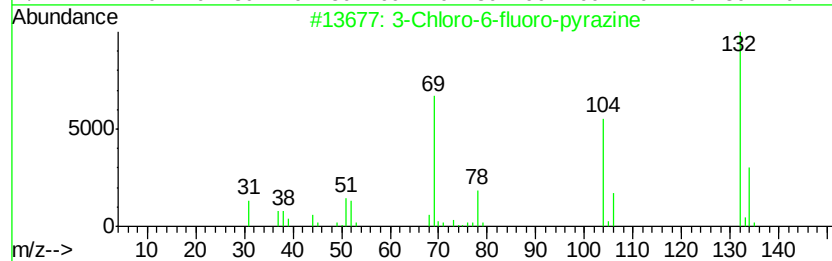
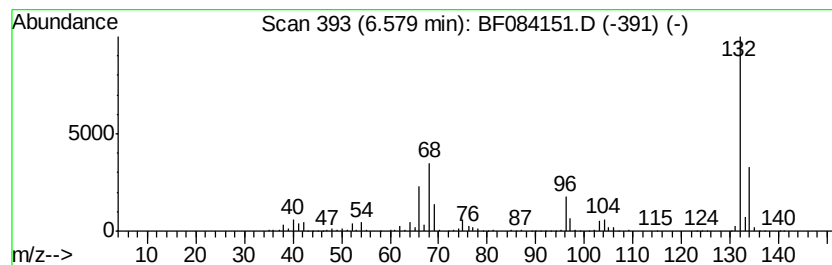
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	82.85 ng	1398620	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
4		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	9
5		Xenon	132	Xe	007440-63-3	9



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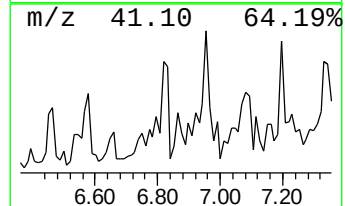
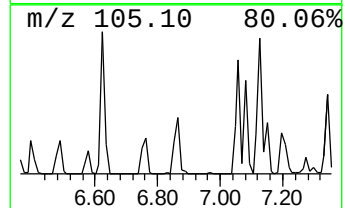
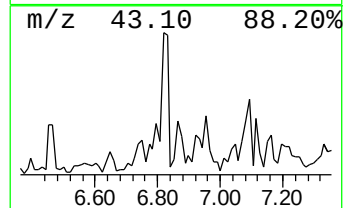
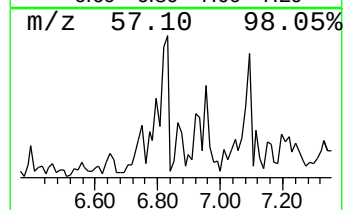
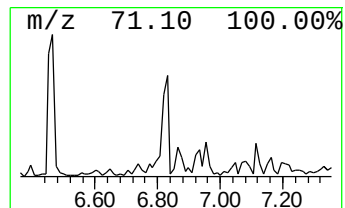
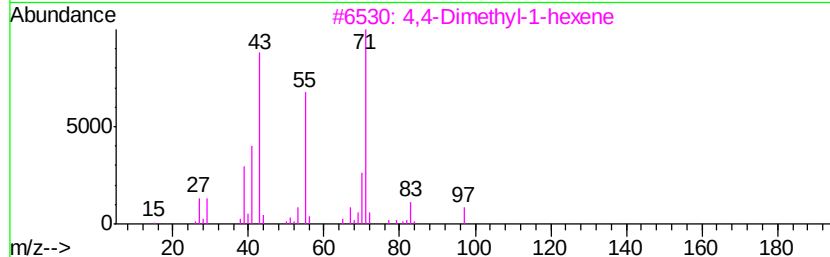
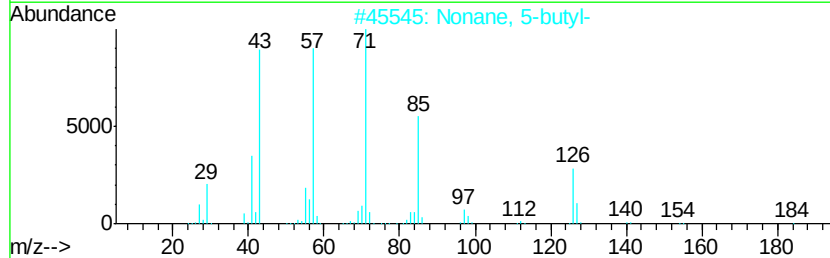
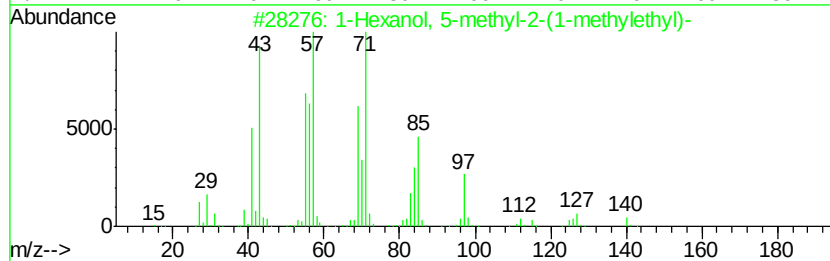
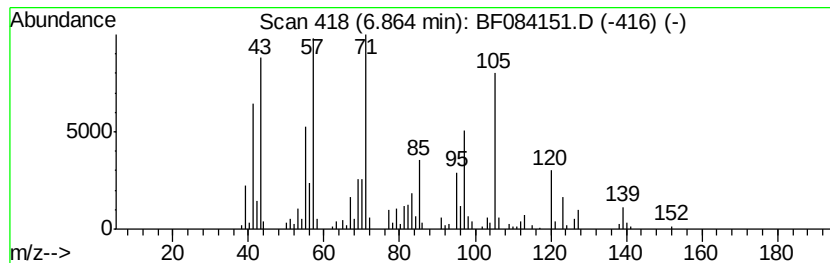
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Peak Number 3 unknown6.86 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	21.03 ng	355003	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	43
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	35
3		4,4-Dimethyl-1-hexene	112	C8H16	001647-08-1	27
4		Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	27
5		1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084151.D
Acq On : 26 Dec 2015 1:53
Operator : UM/SJ
Sample : G4954-10
Misc :
ALS Vial : 68 Sample Multiplier: 1

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ClientSampleId :
1SP-1(0-2)8E

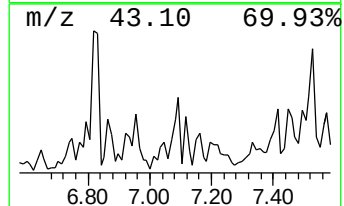
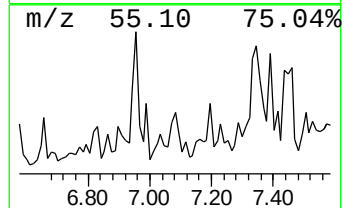
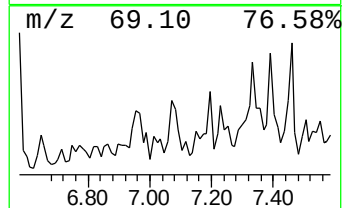
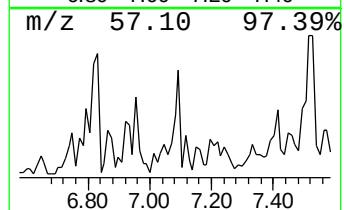
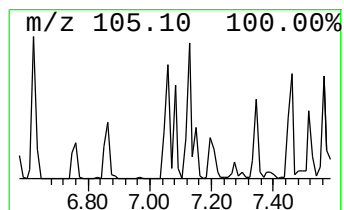
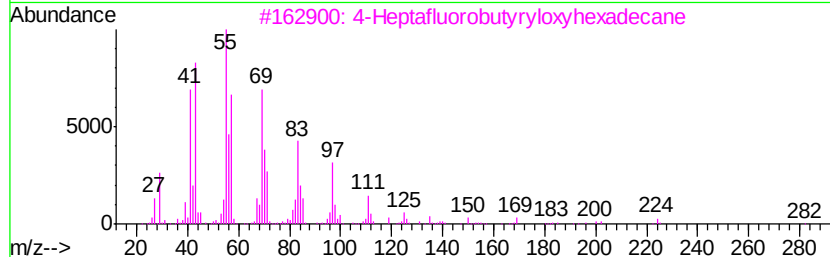
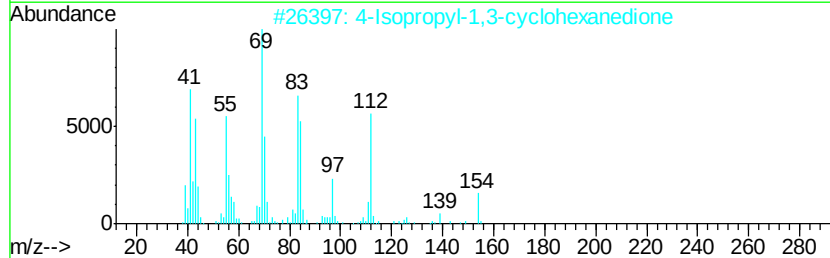
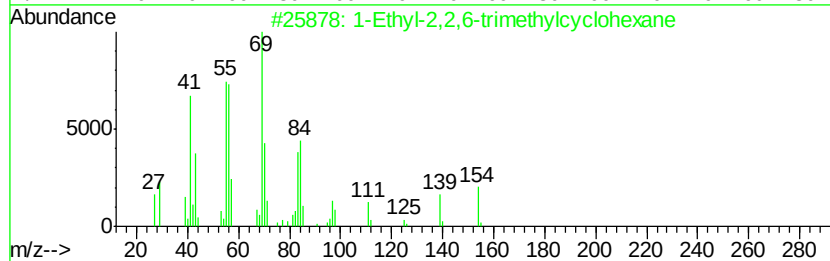
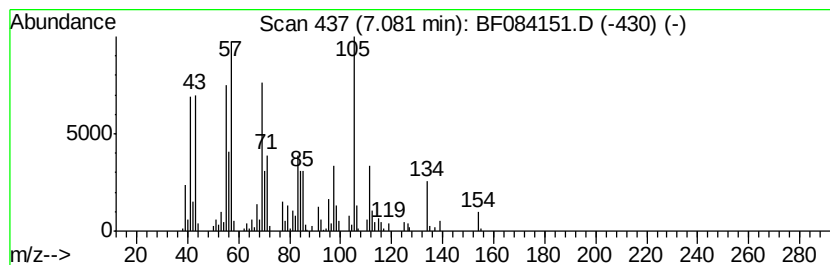
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	67.59 ng	1140970	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	62
2		4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	49
3		4-Heptafluorobutylrvloxyhexadecane	438	C20H33F7O2	1000282-97-2	38
4		Cyclopentane, propyl-	112	C8H16	002040-96-2	38
5		3-Methylpenta-1,3-diene-5-ol, (E)-	98	C6H10O	001572-08-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122515\
Data File : BF084151.D
Acq On : 26 Dec 2015 1:53
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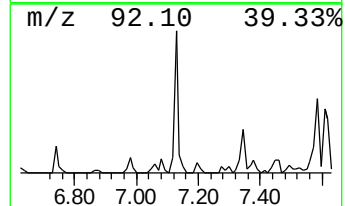
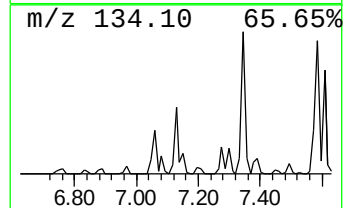
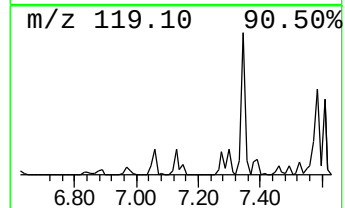
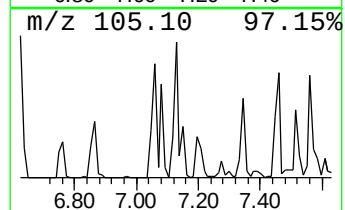
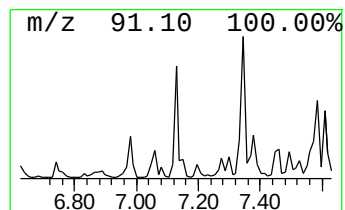
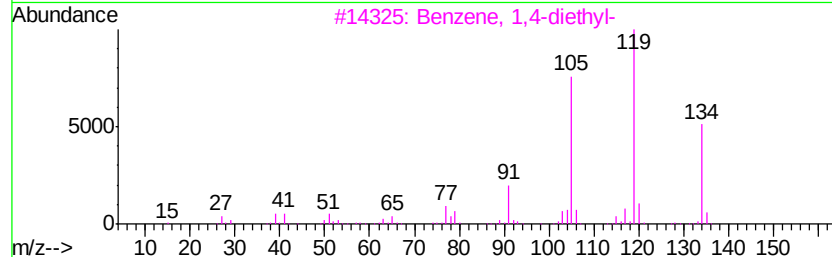
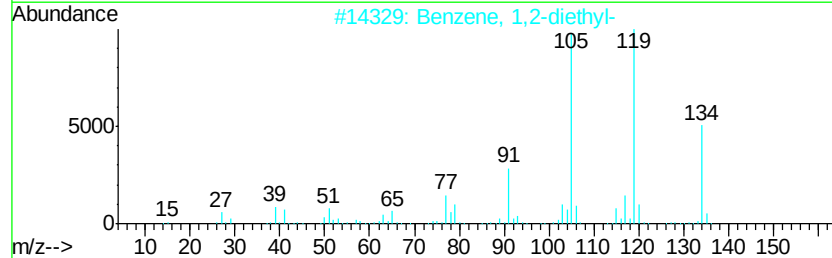
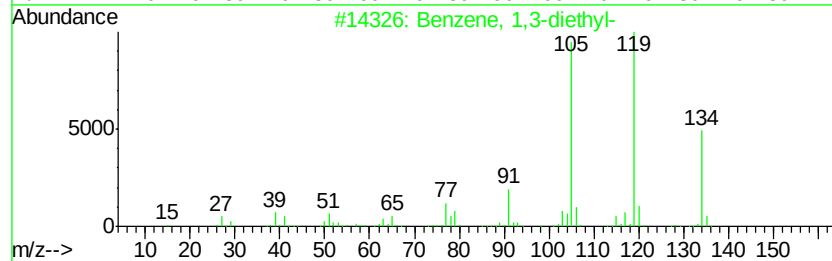
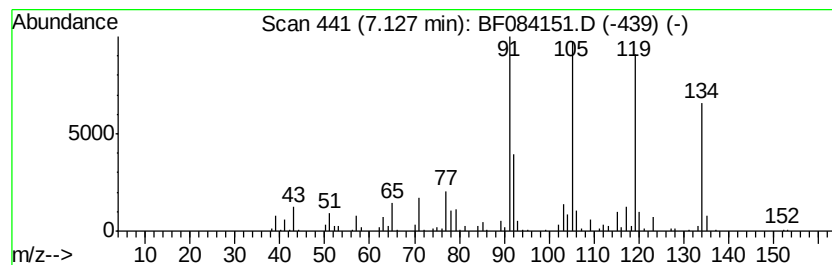
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	20.83 ng	351720	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	86
4		Tetracyclo[3.3.1.1(1,8).0(2,4)]d...	134	C10H14	1000185-58-7	83
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122515\
Data File : BF084151.D
Acq On : 26 Dec 2015 1:53
Operator : UM/SJ
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ClientSampleId :
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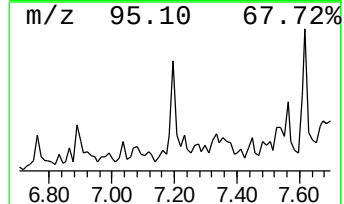
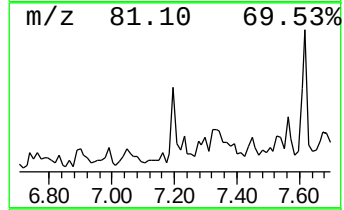
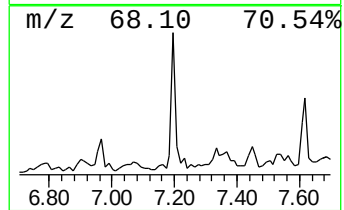
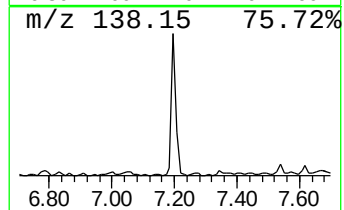
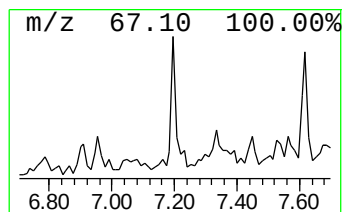
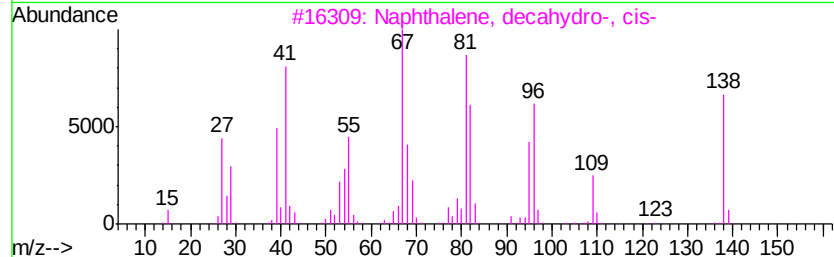
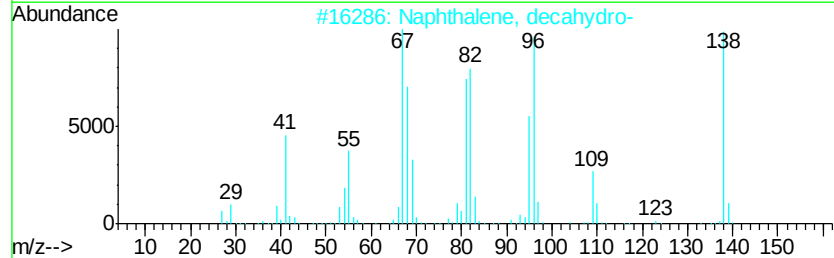
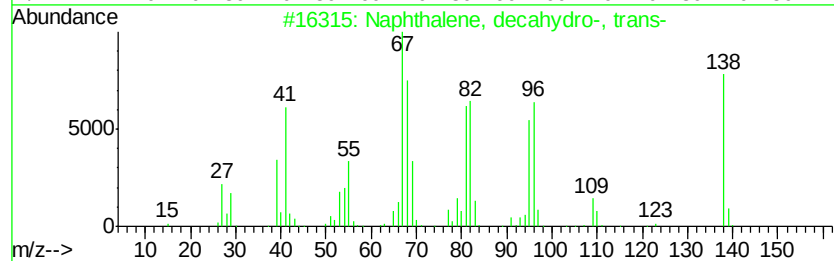
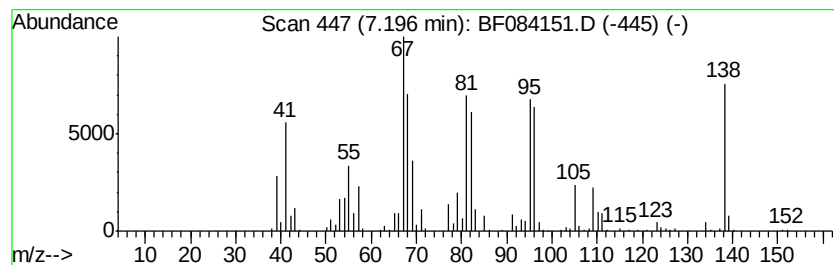
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	34.41 ng	580900	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	91
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
4		Cyclodecene	138	C10H18	003618-12-0	80
5		1,1'-Bicyclopentyl	138	C10H18	001636-39-1	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122515\
Data File : BF084151.D
Acq On : 26 Dec 2015 1:53
Operator : UM/SJ
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ClientSampleId :
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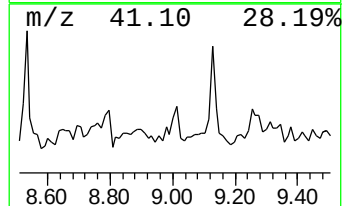
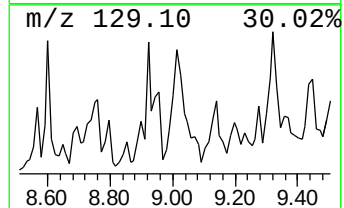
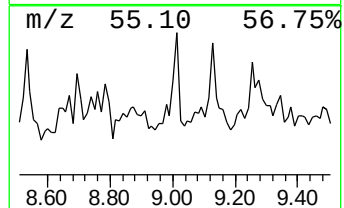
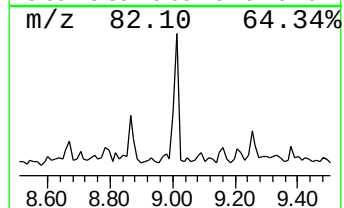
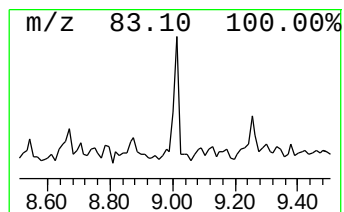
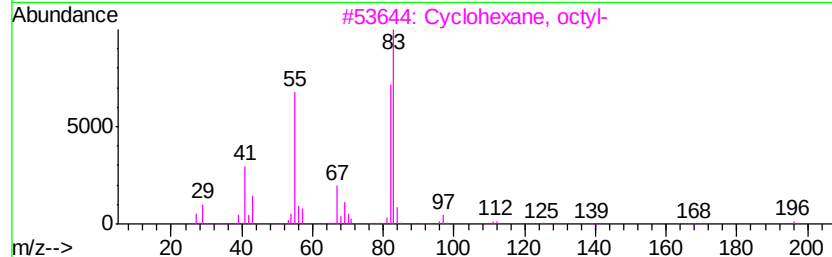
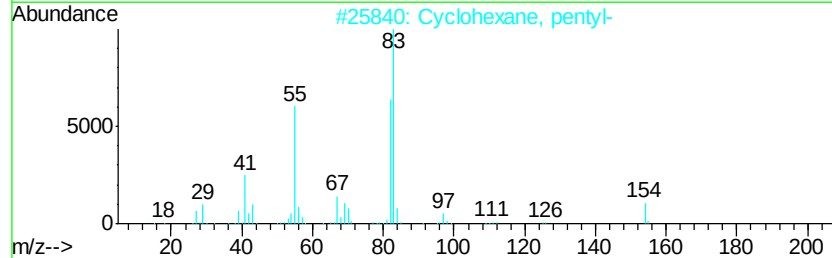
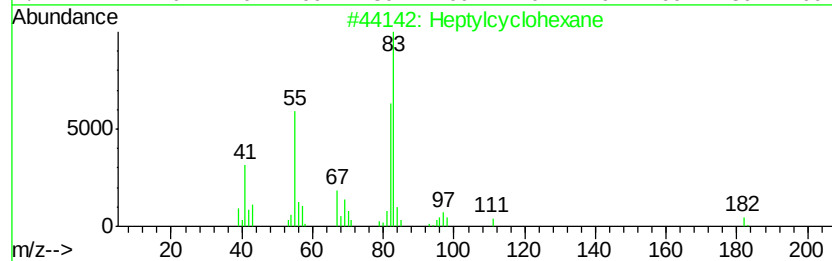
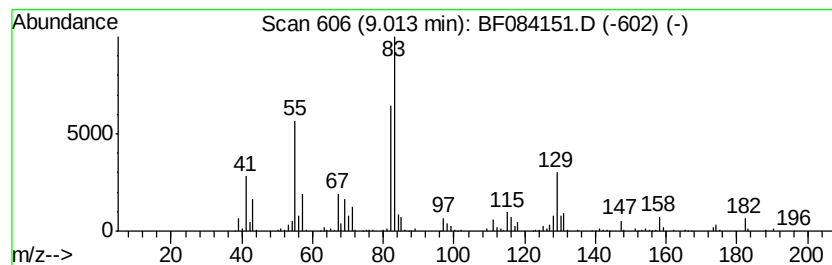
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heptylcyclohexane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	27.32 ng	2225230	Acenaphthene-d10	9.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptylcyclohexane	182	C13H26	005617-41-4	68
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	53
4		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	53
5		Cyclohexane, undecyl-	238	C17H34	054105-66-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122515\
Data File : BF084151.D
Acq On : 26 Dec 2015 1:53
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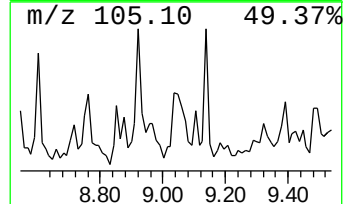
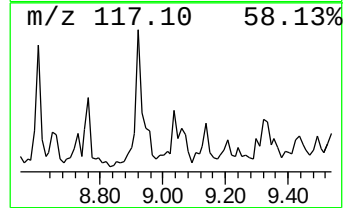
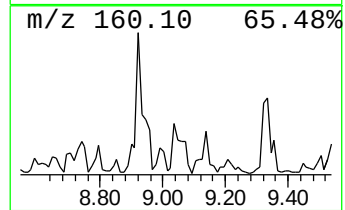
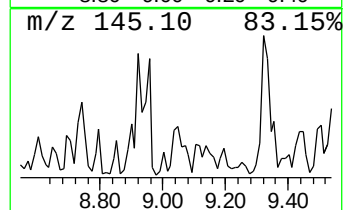
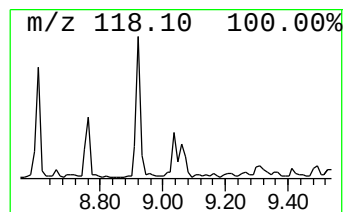
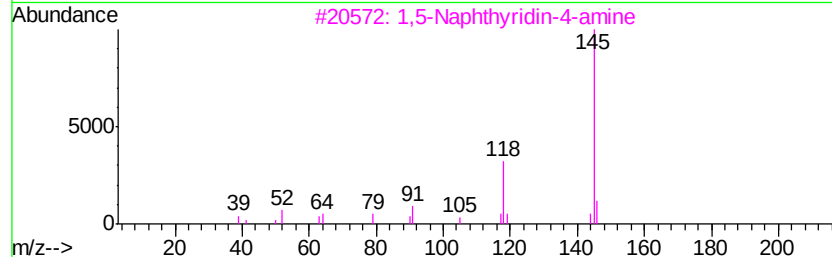
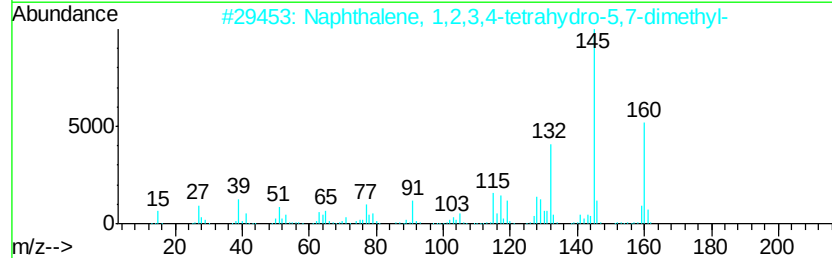
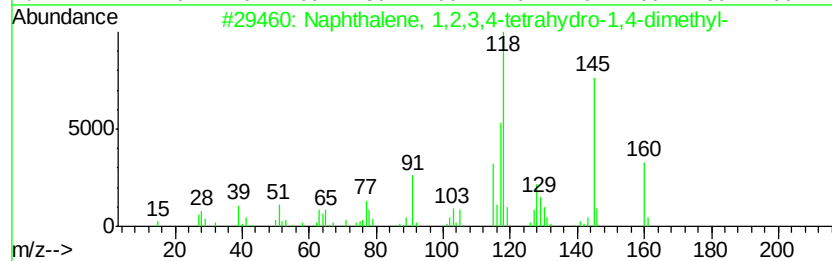
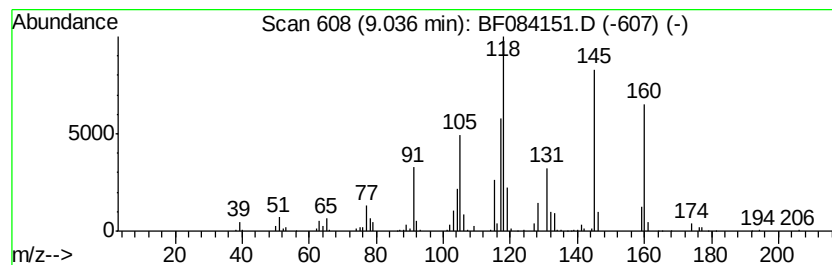
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	30.18 ng	2458740	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	64
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	49
3		1,5-Naphthylridin-4-amine	145	C8H7N3	027392-68-3	46
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	46
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084151.D
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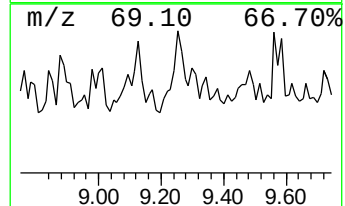
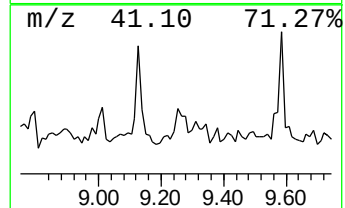
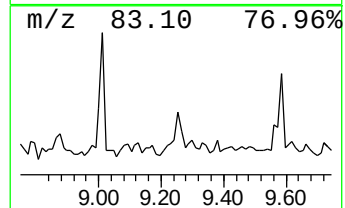
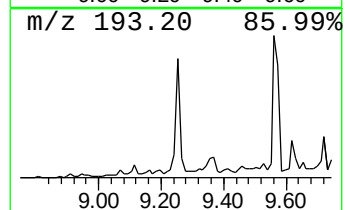
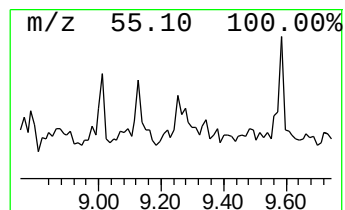
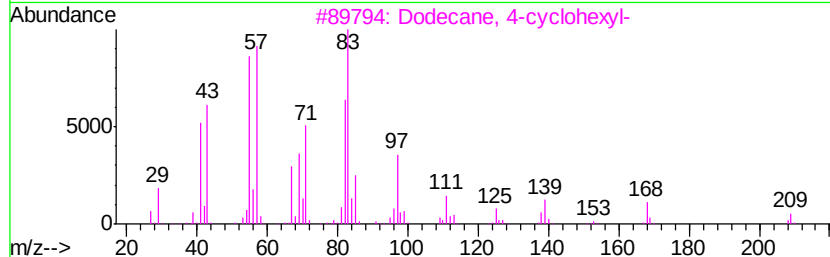
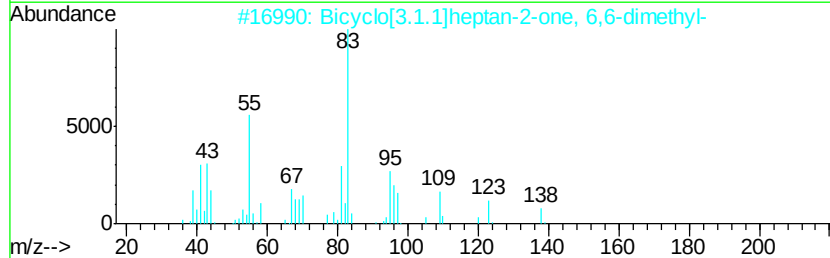
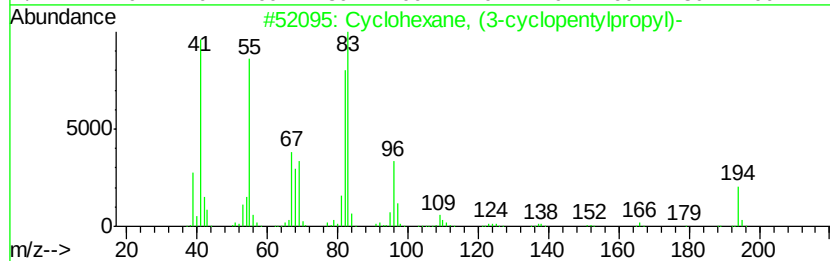
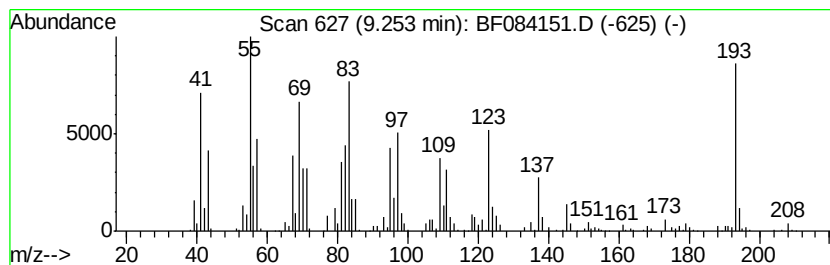
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown9.25 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	26.48 ng	2157440	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (3-cyclopentylpropyl)-	194	C14H26	002883-07-0	25
2		Bicyclo[3.1.1]heptan-2-one, 6,6-dimethyl-	138	C9H14O	024903-95-5	22
3		Dodecane, 4-cyclohexyl-	252	C18H36	013151-84-3	22
4		1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	22
5		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	15



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
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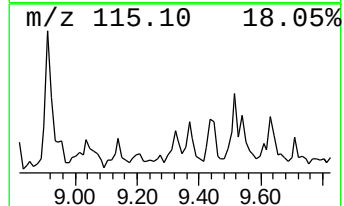
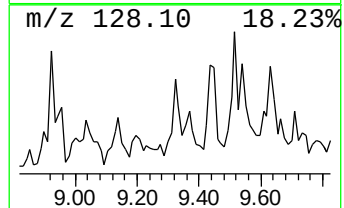
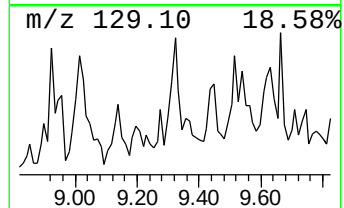
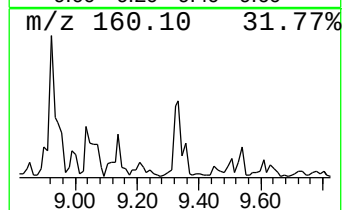
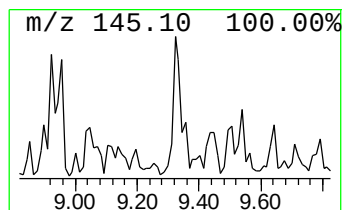
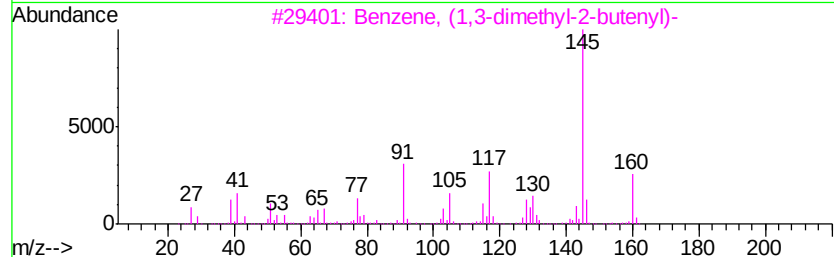
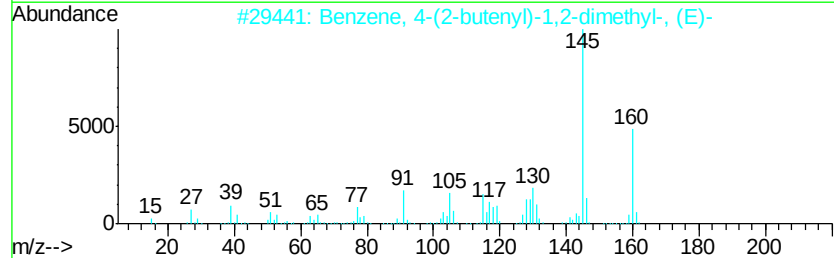
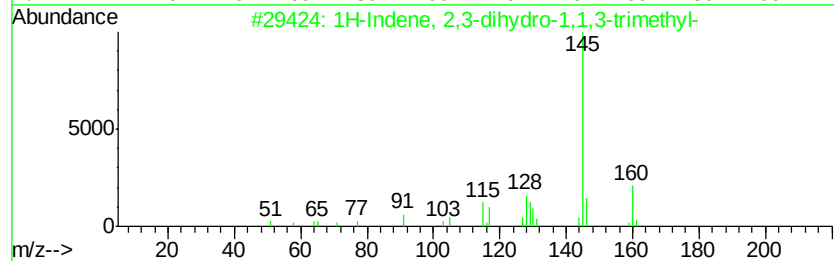
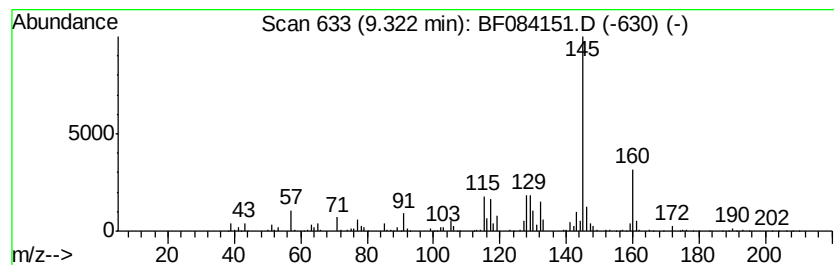
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	41.42 ng	3374680	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	91
2		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87
3		Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	87
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	87
5		1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
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Acq On : 26 Dec 2015 1:53
Operator : UM/SJ
Sample : G4954-10
Misc :
ALS Vial : 68 Sample Multiplier: 1

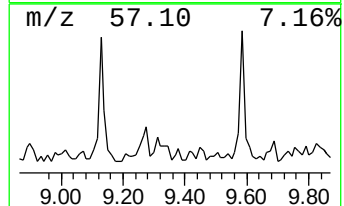
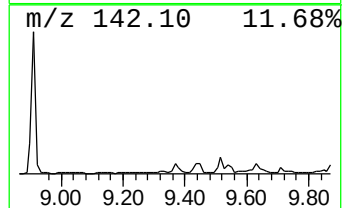
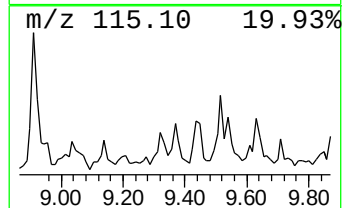
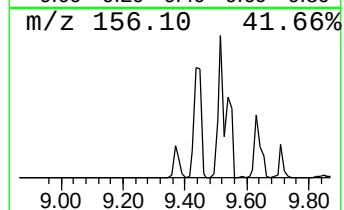
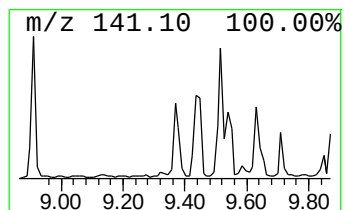
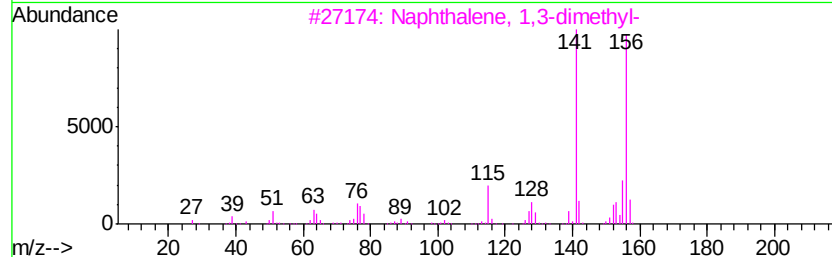
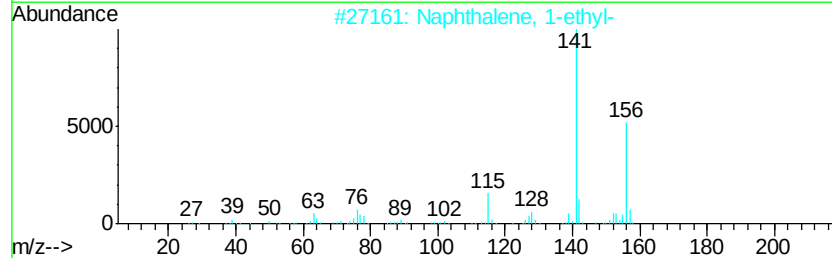
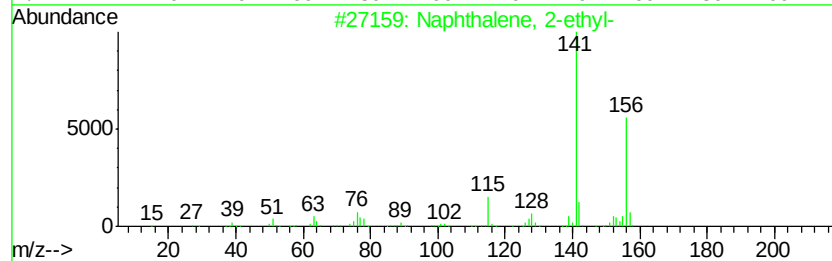
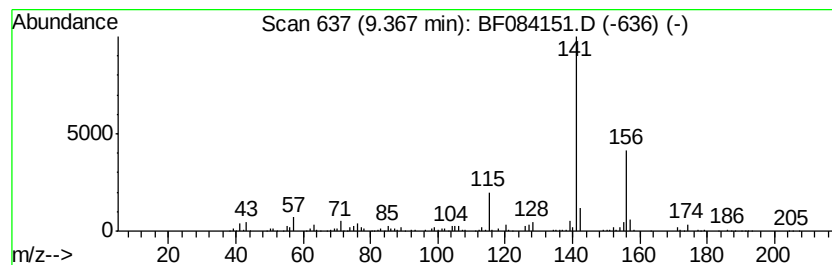
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	20.25 ng	1649360	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 91
2		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 90
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 72
4		2-Thiophenecarboxylic acid, 5-et...	156 C7H8O2S	023229-72-3 64
5		Butethal	212 C10H16N2O3	000077-28-1 59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
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Sample : G4954-10
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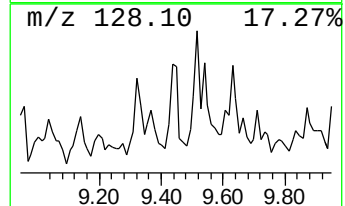
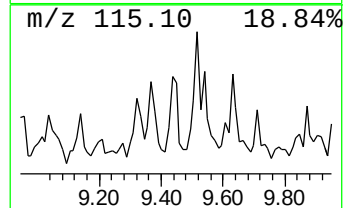
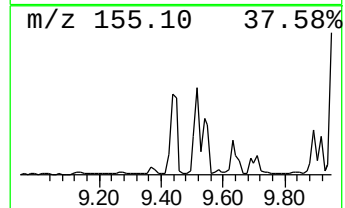
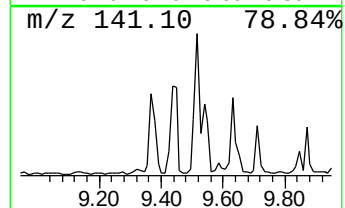
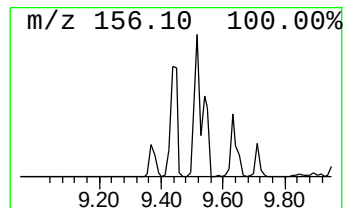
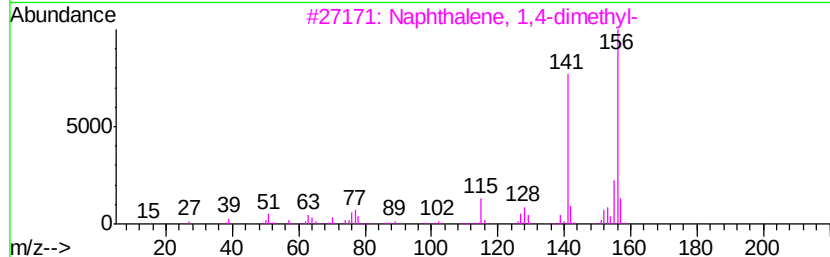
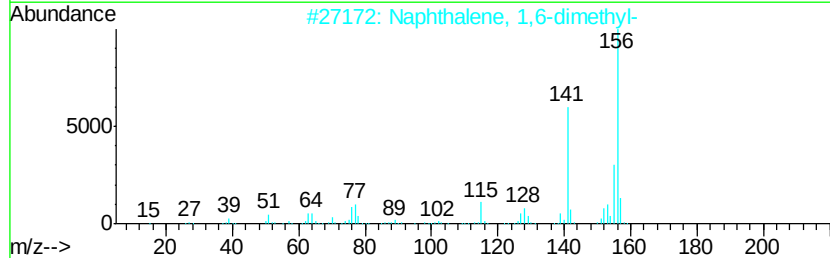
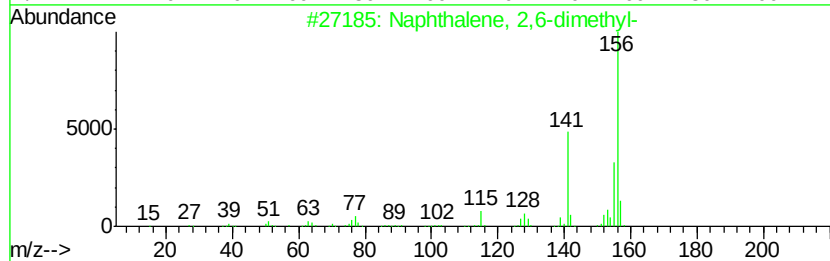
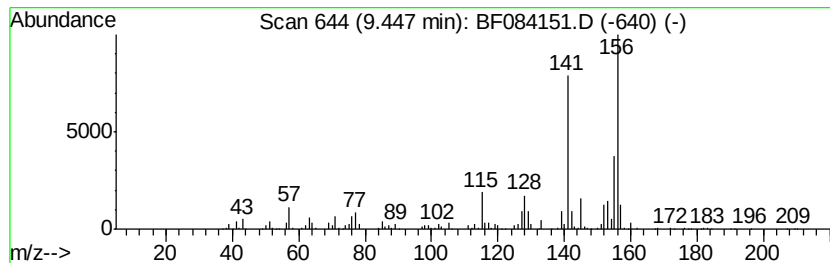
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	39.84 ng	3245340	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 95
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 95
4		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 95
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
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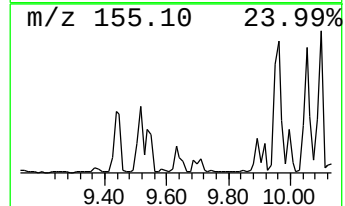
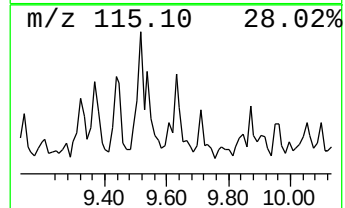
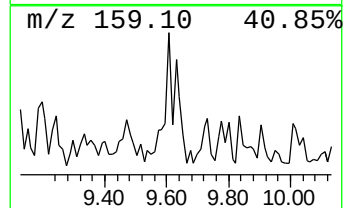
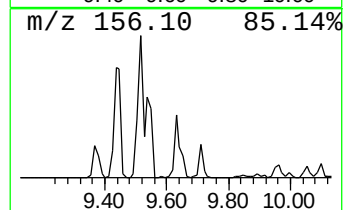
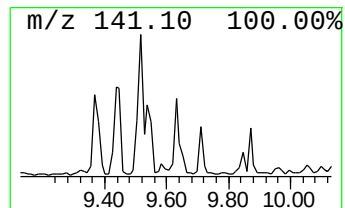
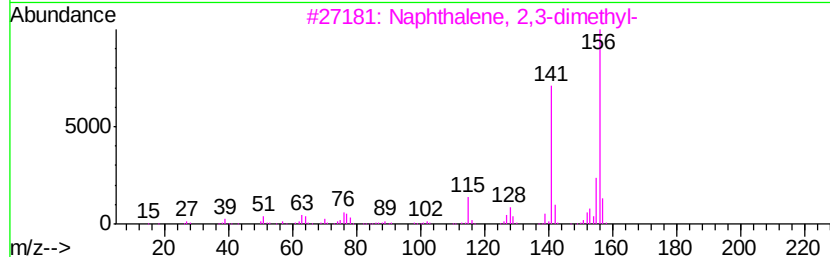
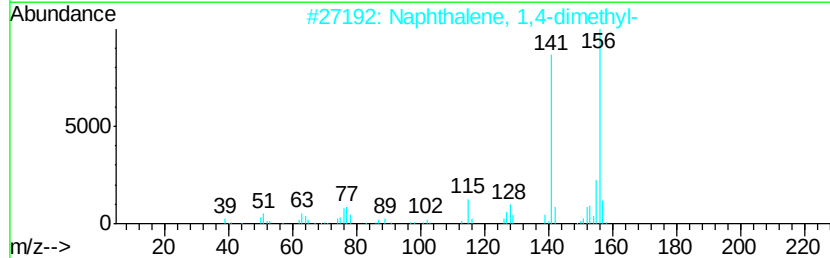
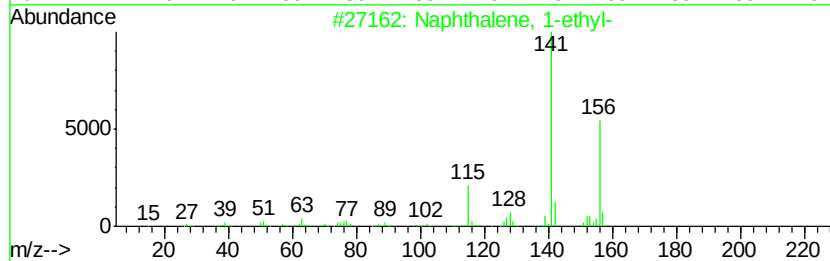
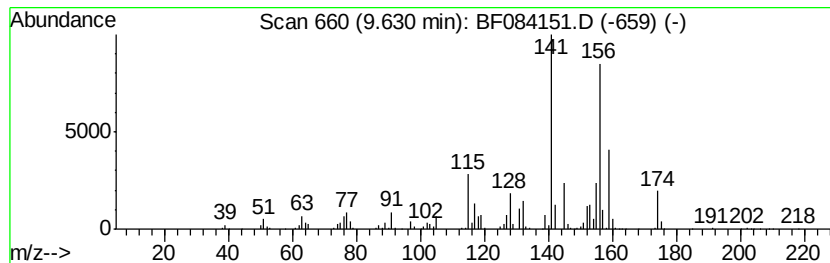
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	20.94 ng	1706140	Acenaphthene-d10	9.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	92
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	86
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	86
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084151.D
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Misc :
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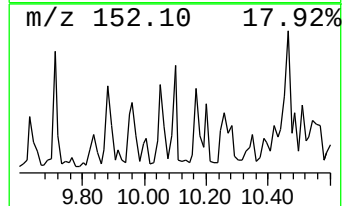
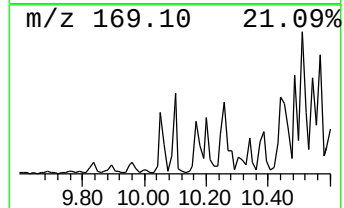
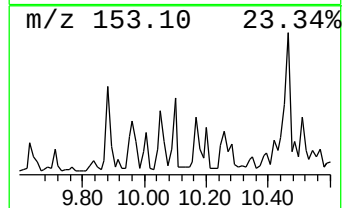
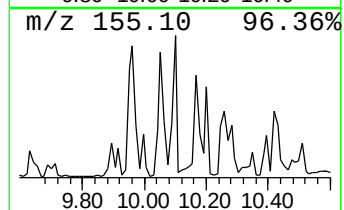
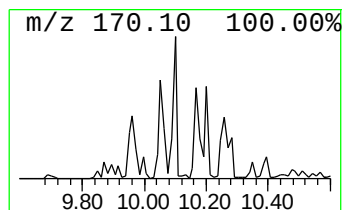
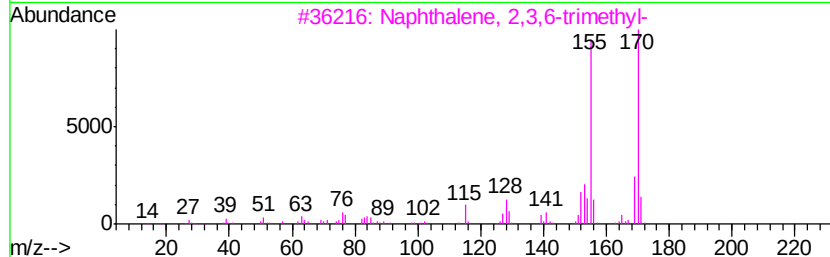
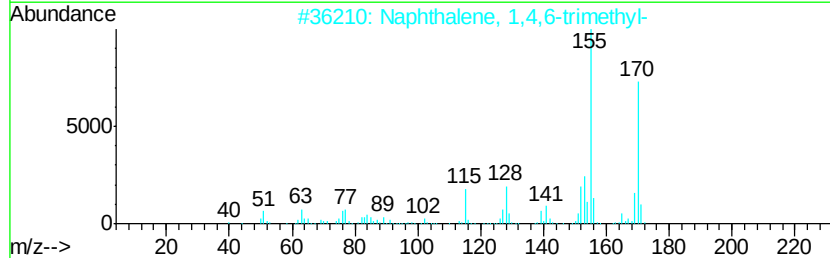
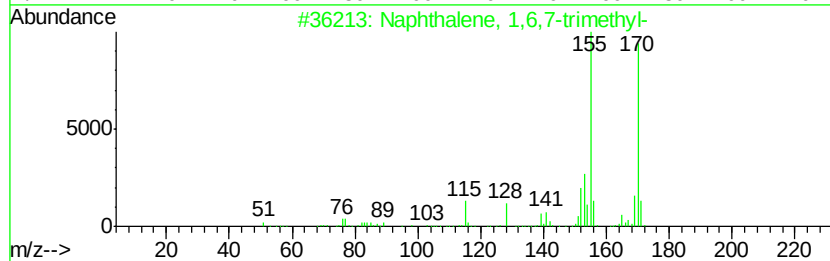
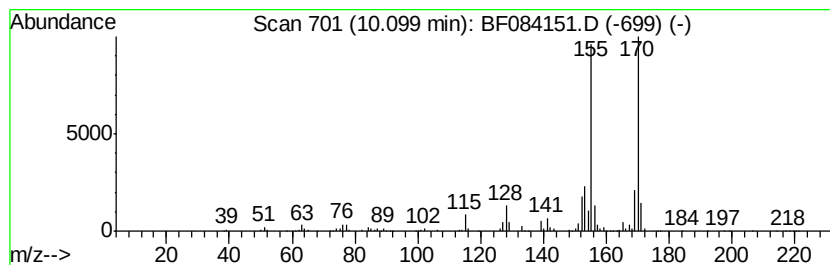
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	20.16 ng	1642410	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084151.D
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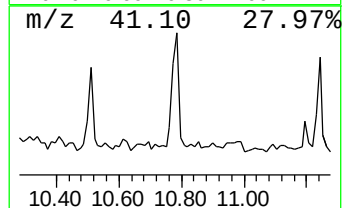
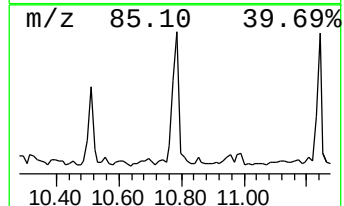
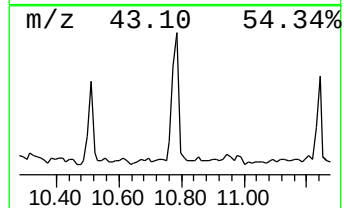
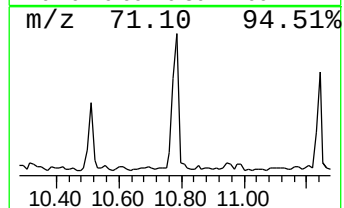
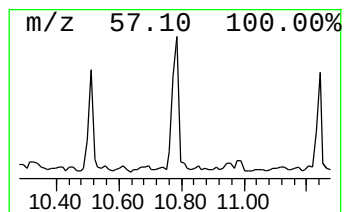
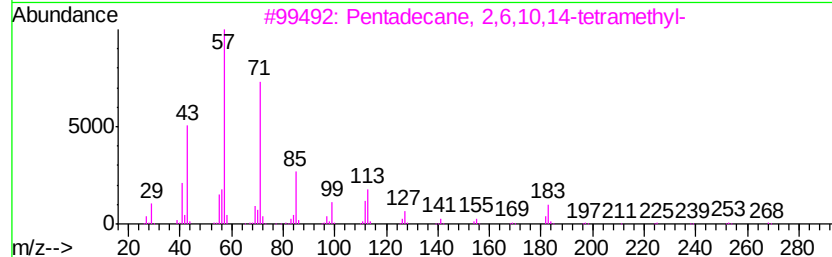
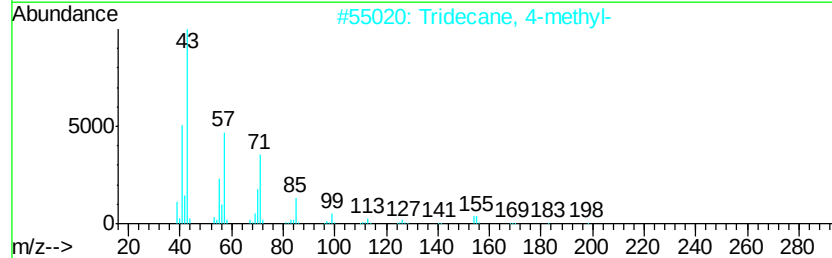
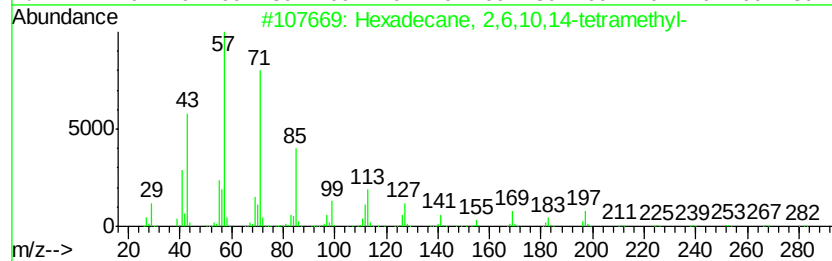
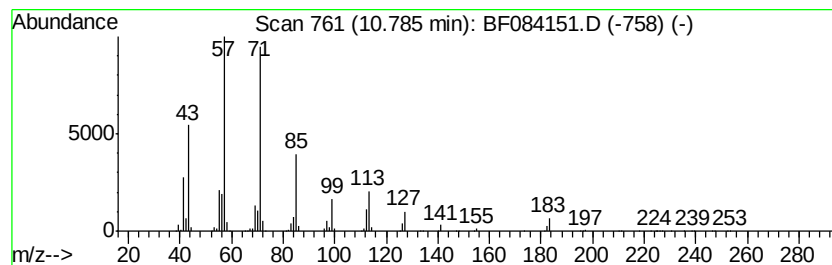
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hexadecane, 2,6,10,14-tetra... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	70.85 ng	3240290	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
2		Tridecane, 4-methyl-	198	C14H30	026730-12-1	72
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
4		Undecane, 6-ethyl-	184	C13H28	017312-60-6	59
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084151.D
Acq On : 26 Dec 2015 1:53
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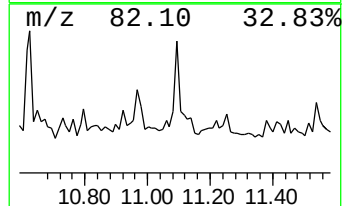
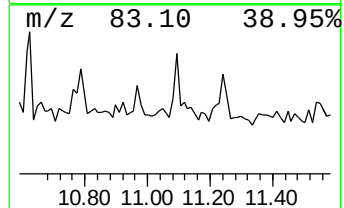
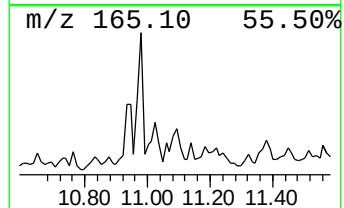
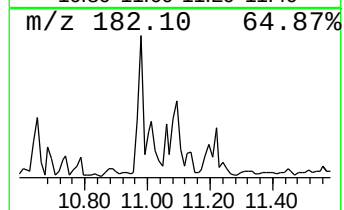
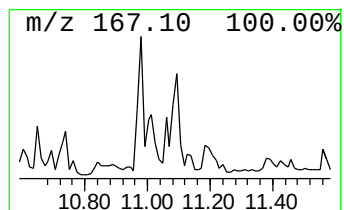
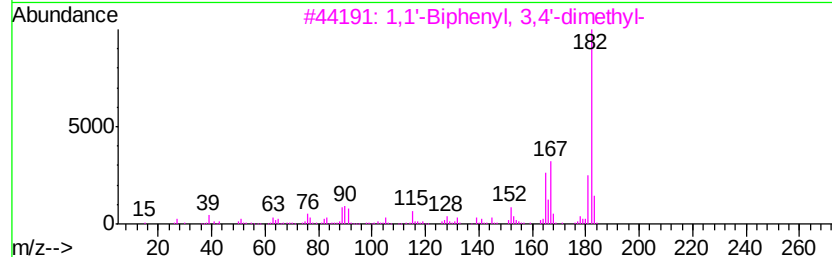
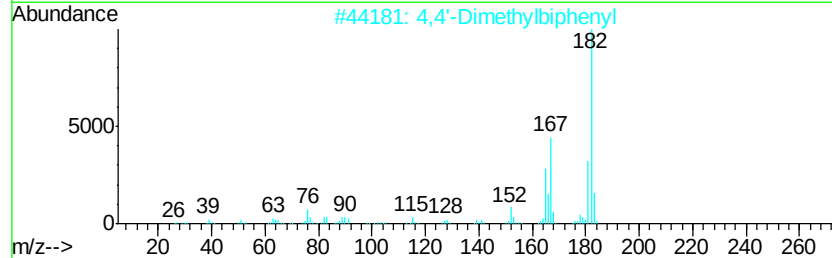
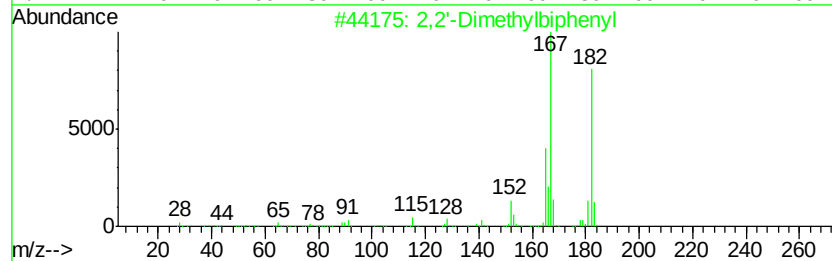
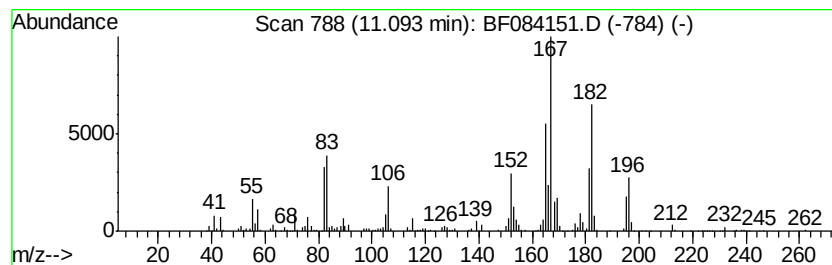
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2,2'-Dimethylbiphenyl Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	20.66 ng	945032	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	83
2		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	83
3		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	70
4		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	70
5		1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084151.D
Acq On : 26 Dec 2015 1:53
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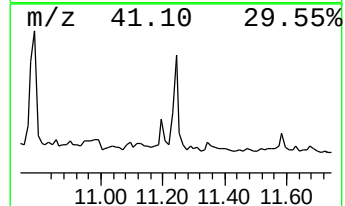
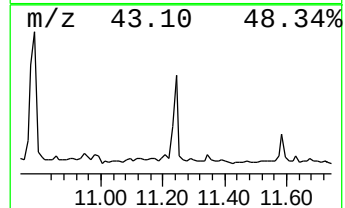
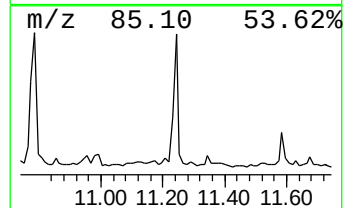
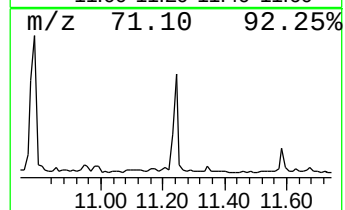
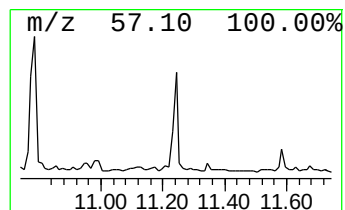
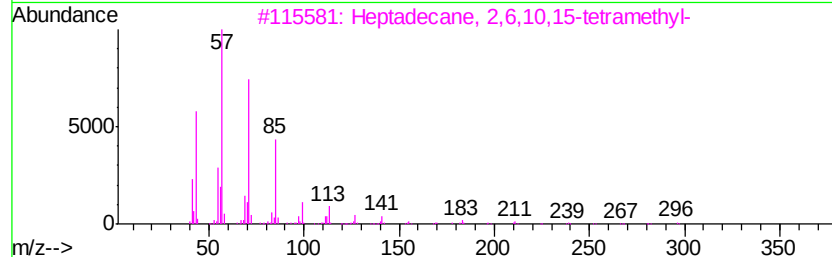
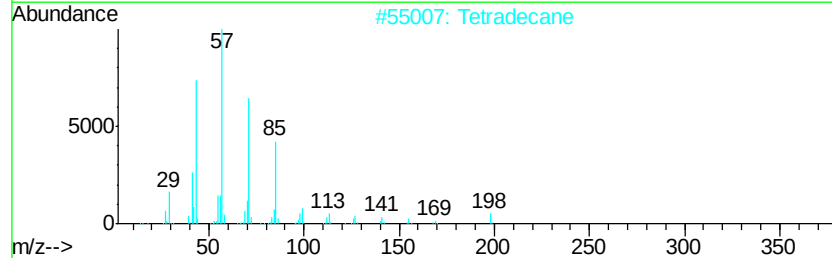
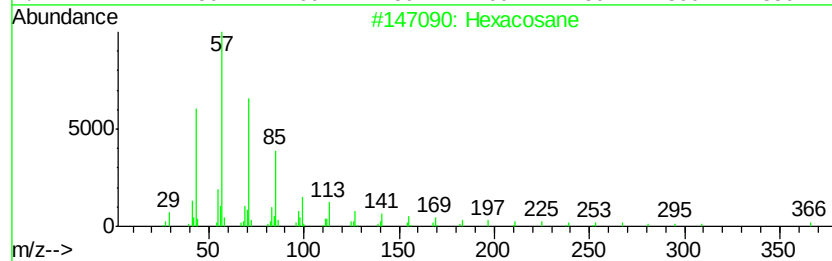
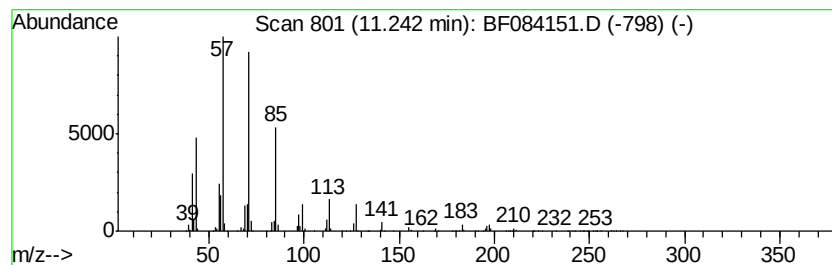
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	52.69 ng	2409920	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	90
2		Tetradecane	198	C14H30	000629-59-4	87
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4		Tetracosane	338	C24H50	000646-31-1	86
5		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084151.D
Acq On : 26 Dec 2015 1:53
Operator : UM/SJ
Sample : G4954-10
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1SP-1(0-2)8E

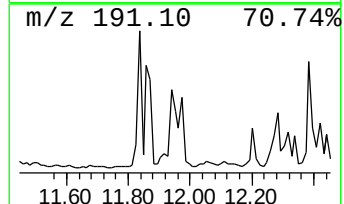
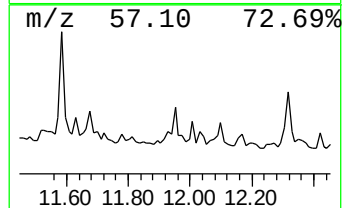
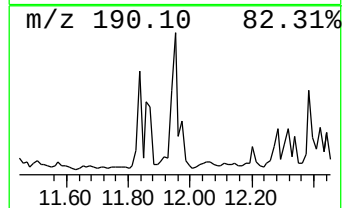
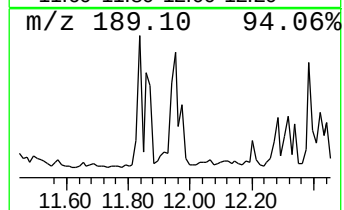
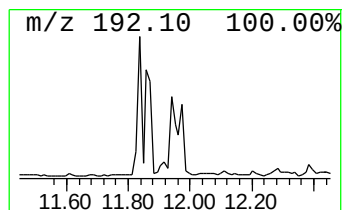
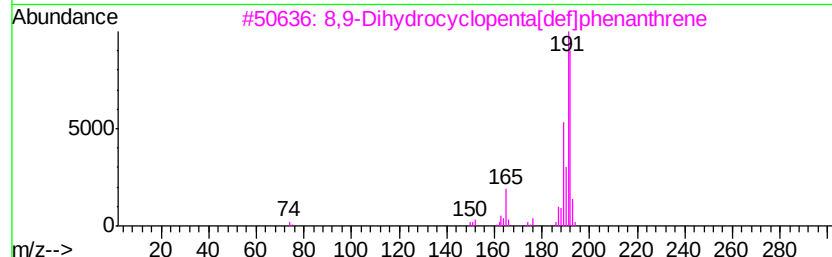
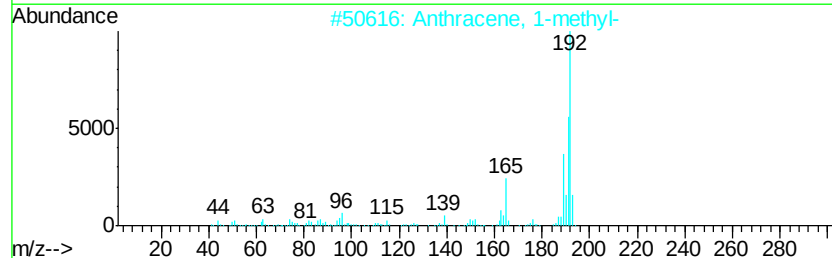
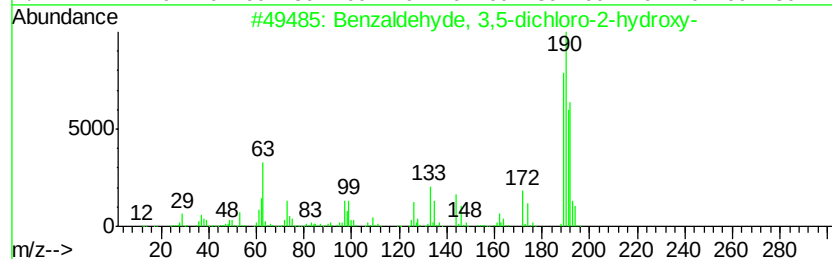
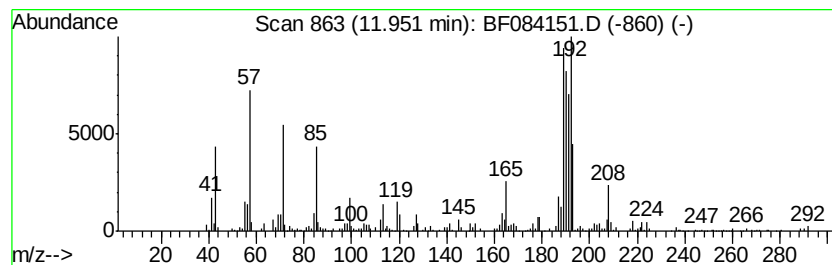
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown11.95 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	23.07 ng	1055150	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	43
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
3		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	30
5		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122515\
 Data File : BF084151.D
 Acq On : 26 Dec 2015 1:53
 Operator : UM/SJ
 Sample : G4954-10
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1SP-1(0-2)8E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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
4-Nonene, 3-methy...	6.33	26.2	ng	442587	1	6.80	337638	20.0
unknown6.58	6.58	82.8	ng	1398620	1	6.80	337638	20.0
unknown6.86	6.86	21.0	ng	355003	1	6.80	337638	20.0
1-Ethyl-2,2,6-tri...	7.08	67.6	ng	1140970	1	6.80	337638	20.0
Benzene, 1,3-diet...	7.13	20.8	ng	351720	1	6.80	337638	20.0
Naphthalene, deca...	7.20	34.4	ng	580900	1	6.80	337638	20.0
Heptylcyclohexane	9.01	27.3	ng	2225230	3	9.85	1629310	20.0
Naphthalene, 1,2,...	9.04	30.2	ng	2458740	3	9.85	1629310	20.0
unknown9.25	9.25	26.5	ng	2157440	3	9.85	1629310	20.0
1H-Indene, 2,3-di...	9.32	41.4	ng	3374680	3	9.85	1629310	20.0
Naphthalene, 2-et...	9.37	20.3	ng	1649360	3	9.85	1629310	20.0
Naphthalene, 2,6-...	9.45	39.8	ng	3245340	3	9.85	1629310	20.0
Naphthalene, 1-et...	9.63	20.9	ng	1706140	3	9.85	1629310	20.0
Naphthalene, 1,6,...	10.10	20.2	ng	1642410	3	9.85	1629310	20.0
Hexadecane, 2,6,1...	10.78	70.8	ng	3240290	4	11.33	914709	20.0
2,2'-Dimethylbiph...	11.09	20.7	ng	945032	4	11.33	914709	20.0
Hexacosane	11.24	52.7	ng	2409920	4	11.33	914709	20.0
unknown11.95	11.95	23.1	ng	1055150	4	11.33	914709	20.0