

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
 Data File : BF083755.D
 Acq On : 14 Dec 2015 3:42
 Operator : UM/IZ
 Sample : G4760-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

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-BF121315.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	3.378	105	113	116	rBV2	459305	1583561	12.43%	0.456%
2	3.550	125	128	131	rVV	1181787	2160032	16.96%	0.622%
3	3.733	139	144	147	rVB	866412	1430893	11.23%	0.412%
4	5.390	287	289	292	rBV	1456435	2348113	18.43%	0.676%
5	5.527	297	301	303	rVB	2421174	2762264	21.68%	0.795%
6	5.767	318	322	330	rBV	4760005	12738530	100.00%	3.666%
7	6.453	377	382	383	rVV	865331	1347368	10.58%	0.388%
8	6.487	383	385	387	rVV	853171	1573038	12.35%	0.453%
9	6.544	387	390	394	rVB	2027195	2615045	20.53%	0.753%
10	6.613	394	396	397	rBV	1261554	1406108	11.04%	0.405%
11	6.647	397	399	401	rVV	1606514	2265486	17.78%	0.652%
12	6.693	401	403	405	rVB	2015618	2487600	19.53%	0.716%
13	6.773	406	410	412	rBV	5549620	12504382	98.16%	3.599%
14	6.819	412	414	422	rVB	4597018	7226043	56.73%	2.080%
15	7.082	434	437	438	rBV	1921342	1871920	14.69%	0.539%
16	7.104	438	439	444	rVB	1789843	2178299	17.10%	0.627%
17	7.207	444	448	450	rBV	5786622	10589329	83.13%	3.047%
18	7.253	450	452	456	rVB	834676	1155979	9.07%	0.333%
19	7.436	466	468	469	rVV2	1516065	1445777	11.35%	0.416%
20	7.470	469	471	473	rVV2	2346277	4298799	33.75%	1.237%
21	7.504	473	474	476	rVB	1991054	1509646	11.85%	0.434%
22	7.550	476	478	480	rBV	3436925	5396901	42.37%	1.553%
23	7.596	480	482	486	rVB2	2808479	3220963	25.29%	0.927%
24	7.699	488	491	492	rBV	2326723	2699759	21.19%	0.777%
25	7.802	496	500	504	rBV2	4838076	10292252	80.80%	2.962%
26	7.973	511	515	516	rBV2	4543262	7775412	61.04%	2.238%
27	8.019	516	519	523	rVB	3959857	8868585	69.62%	2.552%
28	8.087	523	525	527	rVB2	1535456	1678660	13.18%	0.483%
29	8.202	532	535	536	rVV2	1125839	1695289	13.31%	0.488%
30	8.236	536	538	539	rVB	1618972	1802328	14.15%	0.519%
31	8.442	552	556	558	rVV	4634325	7216558	56.65%	2.077%
32	8.499	558	561	564	rVV	4838797	6610305	51.89%	1.902%
33	8.613	568	571	572	rVV2	663297	1123966	8.82%	0.323%
34	8.670	572	576	579	rVV4	1446129	4147265	32.56%	1.194%

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35	8.716	579	580	583	rVV2	1256453	1701922	13.36%	0.490%
36	8.922	596	598	602	rVB2	3278010	4441974	34.87%	1.278%
37	8.990	602	604	605	rBV	2011716	2241902	17.60%	0.645%
38	9.047	605	609	611	rVB	4859998	11260983	88.40%	3.241%
39	9.116	611	615	618	rBV2	1461104	3110562	24.42%	0.895%
40	9.207	621	623	625	rVB	2051152	1770390	13.90%	0.509%
41	9.287	625	630	632	rVB4	2121386	3813080	29.93%	1.097%
42	9.493	646	648	650	rVB	1259472	1949422	15.30%	0.561%
43	9.550	650	653	655	rBV2	2663210	5419811	42.55%	1.560%
44	9.630	658	660	663	rVV	3606269	6093079	47.83%	1.754%
45	9.688	663	665	667	rVB2	1998825	2785773	21.87%	0.802%
46	9.745	667	670	671	rBV2	2017186	3098784	24.33%	0.892%
47	9.779	671	673	676	rVV3	1818744	2893141	22.71%	0.833%
48	9.836	676	678	679	rVB	3115391	3443463	27.03%	0.991%
49	9.996	690	692	694	rVV	1603595	1480067	11.62%	0.426%
50	10.168	704	707	709	rVB2	1424495	1846477	14.50%	0.531%
51	10.282	715	717	718	rBV2	1151917	1664827	13.07%	0.479%
52	10.305	718	719	722	rVB2	1699881	1579122	12.40%	0.454%
53	10.373	722	725	728	rBV4	853841	1734250	13.61%	0.499%
54	10.465	730	733	735	rBV4	1002897	1531684	12.02%	0.441%
55	10.579	740	743	745	rBV2	529800	1391472	10.92%	0.400%
56	10.625	745	747	749	rVB2	1033255	1141844	8.96%	0.329%
57	10.751	755	758	760	rVB2	1344257	2053394	16.12%	0.591%
58	10.808	760	763	766	rBV4	661145	1330348	10.44%	0.383%
59	10.888	767	770	772	rVB2	1130209	1581071	12.41%	0.455%
60	11.059	782	785	786	rBV	1014305	1398826	10.98%	0.403%
61	11.391	812	814	816	rVB	2867550	3451929	27.10%	0.993%
62	11.482	817	822	824	rBV	3594912	5527970	43.40%	1.591%
63	11.528	824	826	827	rBV	2276151	1959778	15.38%	0.564%
64	11.573	827	830	832	rBV	2523757	3787093	29.73%	1.090%
65	11.699	838	841	843	rBV	3397923	4452756	34.96%	1.281%
66	11.756	844	846	847	rVV	2103716	2034288	15.97%	0.585%
67	11.813	847	851	853	rVB	2517473	3340506	26.22%	0.961%
68	11.871	853	856	858	rVB	3499969	4292593	33.70%	1.235%
69	11.985	861	866	869	rVV4	3452655	10597614	83.19%	3.050%
70	12.031	869	870	872	rVV2	2057483	2811106	22.07%	0.809%
71	12.099	872	876	878	rVV3	2772760	7763367	60.94%	2.234%

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72	12.134	878	879	881	rVV	2550227	2207918	17.33%	0.635%
73	12.179	881	883	885	rVV2	781360	1504211	11.81%	0.433%
74	12.236	885	888	893	rVV3	2628192	7690710	60.37%	2.213%
75	12.328	893	896	897	rVV2	1378857	2852348	22.39%	0.821%
76	12.362	897	899	904	rVV3	1883913	5595694	43.93%	1.610%
77	12.465	904	908	910	rVV2	1679633	4017230	31.54%	1.156%
78	12.522	910	913	914	rVV2	1905683	4065743	31.92%	1.170%
79	12.556	914	916	919	rVV3	2454476	5490367	43.10%	1.580%
80	12.625	919	922	924	rVV2	2219606	4376776	34.36%	1.260%
81	12.694	926	928	930	rVV	2438050	3617772	28.40%	1.041%
82	12.728	930	931	932	rVV	1415670	1323168	10.39%	0.381%
83	12.808	935	938	940	rVV3	1536050	2477957	19.45%	0.713%
84	12.876	942	944	945	rVV2	1178075	1668291	13.10%	0.480%
85	12.922	945	948	950	rVV	2702623	4813763	37.79%	1.385%
86	12.956	950	951	955	rVB3	810517	1399242	10.98%	0.403%
87	13.128	964	966	968	rBV3	923640	1391311	10.92%	0.400%
88	13.231	971	975	977	rVB3	1697595	3029947	23.79%	0.872%
89	13.299	977	981	982	rBV2	1084454	2112791	16.59%	0.608%
90	13.334	982	984	990	rVB	1415611	1719672	13.50%	0.495%
91	13.551	1001	1003	1006	rVB	1019514	1912429	15.01%	0.550%
92	14.088	1047	1050	1051	rBV	2294866	3883324	30.48%	1.118%
93	14.122	1051	1053	1057	rVV	2420249	3627406	28.48%	1.044%
94	14.237	1061	1063	1068	rVB4	610409	1347690	10.58%	0.388%
95	14.477	1079	1084	1086	rVV	1474088	3067524	24.08%	0.883%
96	14.568	1088	1092	1094	rVV4	650970	1808534	14.20%	0.520%
97	14.602	1094	1095	1098	rVV2	843023	1353368	10.62%	0.389%
98	15.128	1137	1141	1144	rBV	1134271	2864848	22.49%	0.824%
99	15.414	1164	1166	1169	rVB	844540	1320837	10.37%	0.380%
100	15.482	1169	1172	1174	rVB	1586688	2134068	16.75%	0.614%

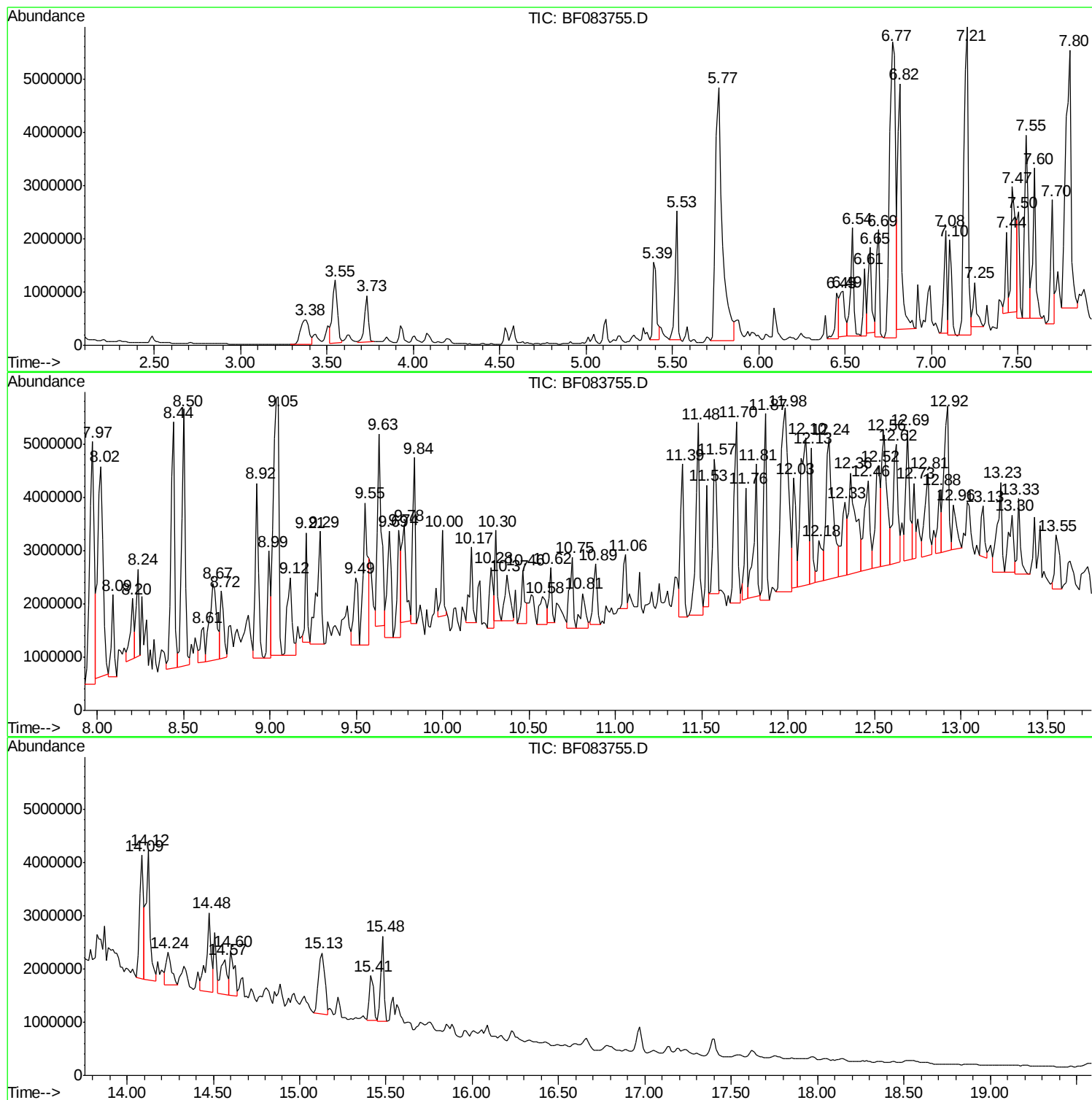
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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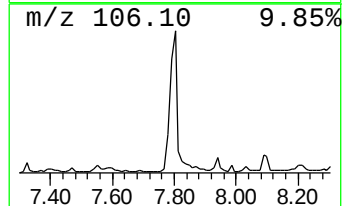
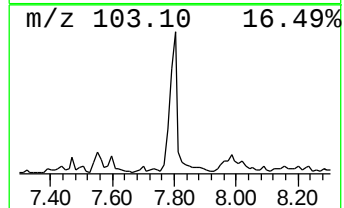
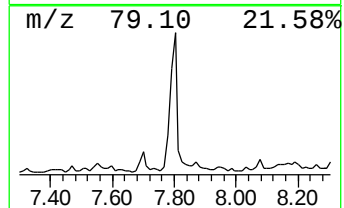
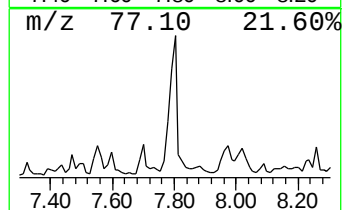
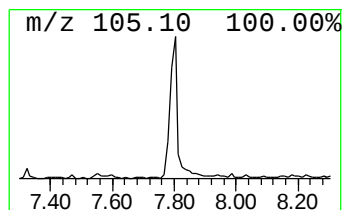
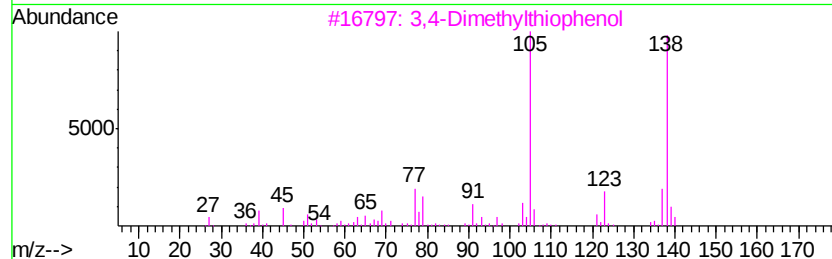
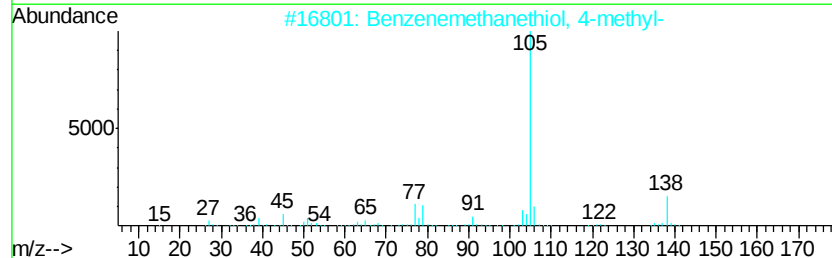
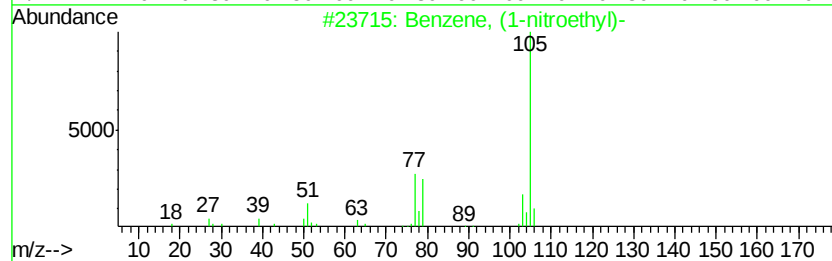
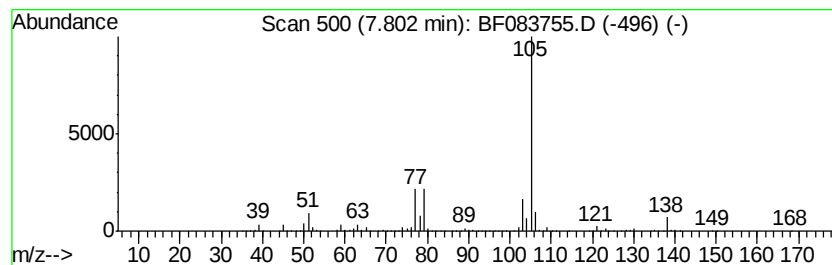
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, (1-nitroethyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	121.42 ng	10292300	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	86
2		Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	83
3		3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	72
4		2,6-Dimethylthiophenol	138	C8H10S	000118-72-9	72
5		Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72



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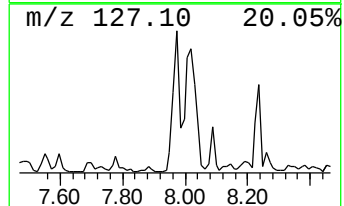
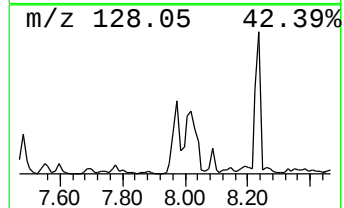
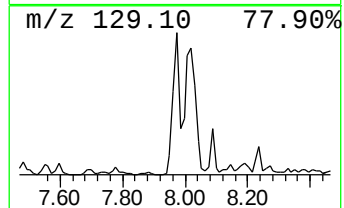
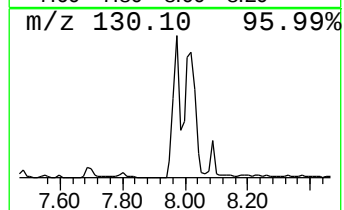
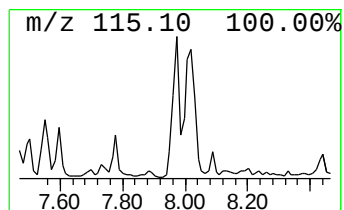
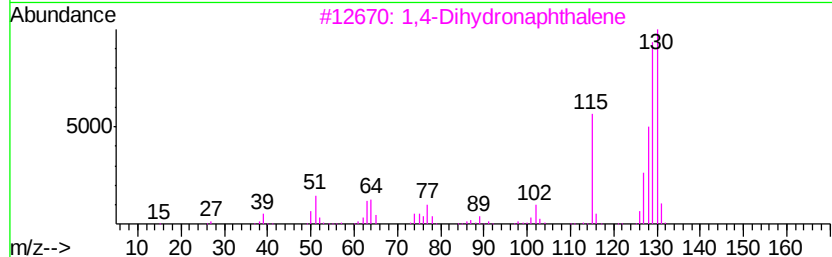
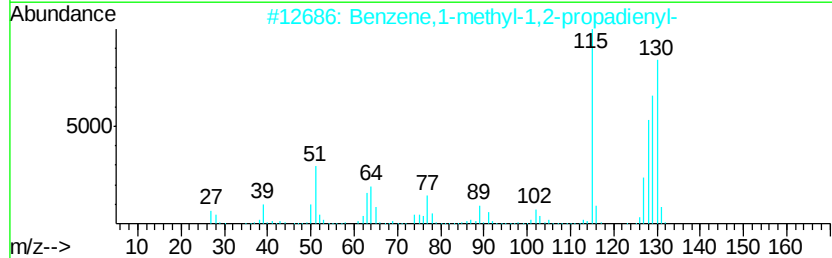
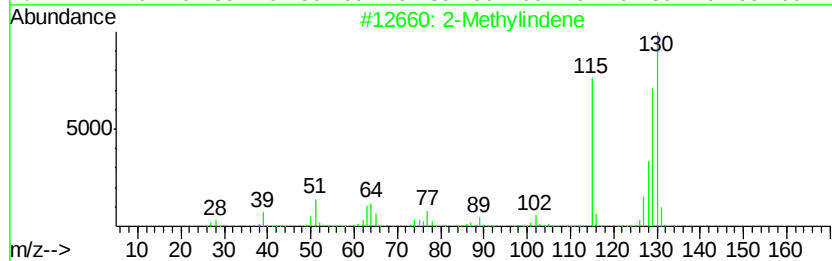
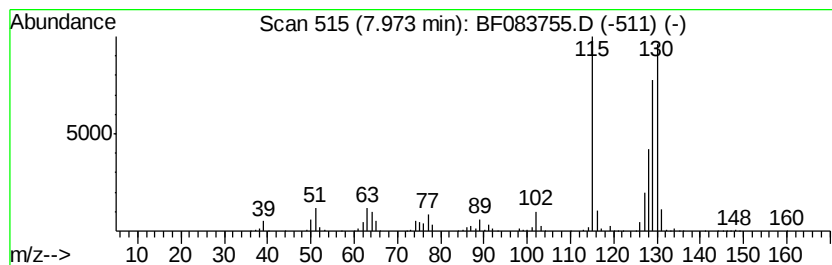
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Methylindene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	91.73 ng	7775410	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylindene	130	C10H10	002177-47-1	95
2		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
3		1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
5		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	92



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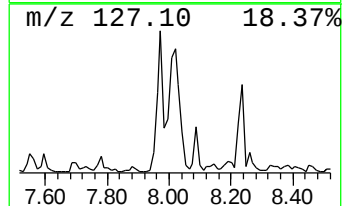
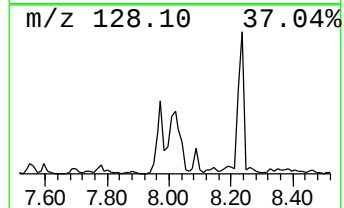
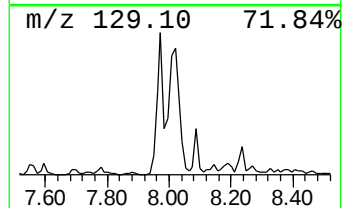
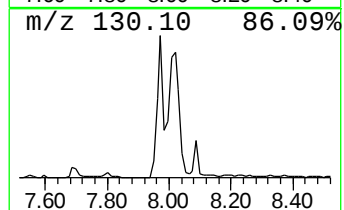
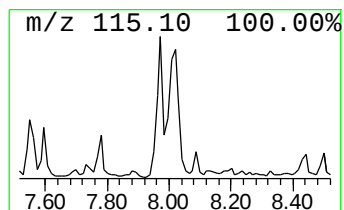
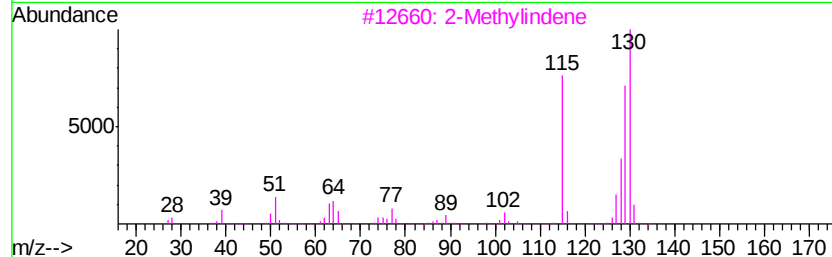
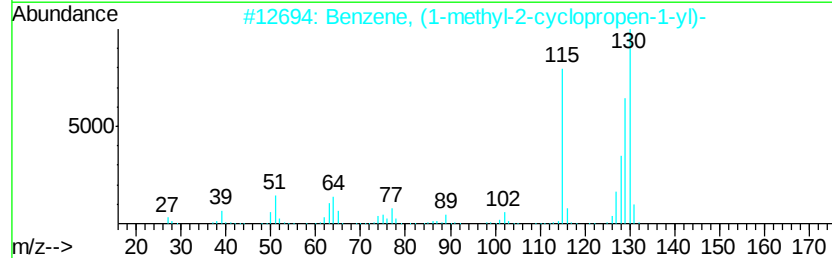
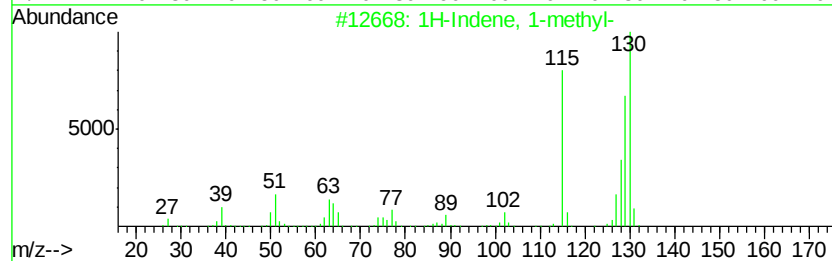
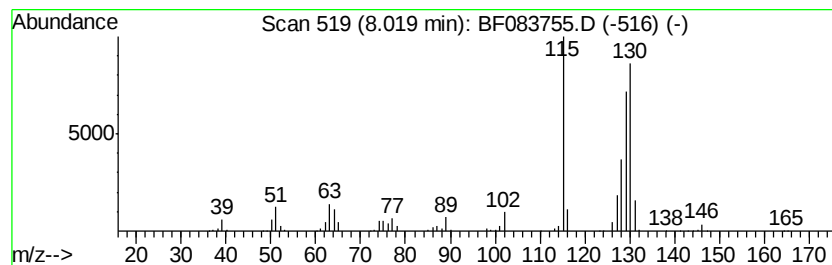
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1H-Indene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	104.63 ng	8868590	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2		Benzene, (1-methyl-2-cyclopropen-1-yl)-	130	C10H10	065051-83-4	94
3		2-Methylindene	130	C10H10	002177-47-1	93
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
5		Benzene, 1-methyl-4-(1-propynyl)-	130	C10H10	002749-93-1	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083755.D
Acq On : 14 Dec 2015 3:42
Operator : UM/IZ
Sample : G4760-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

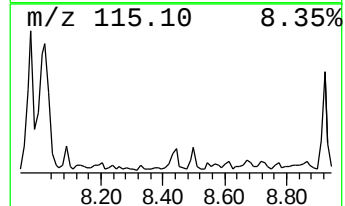
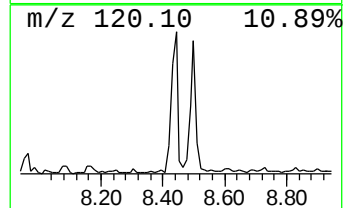
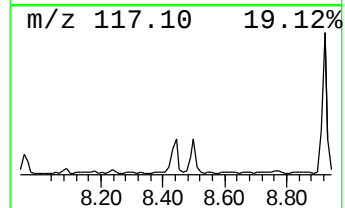
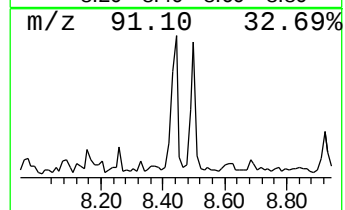
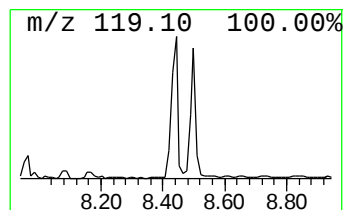
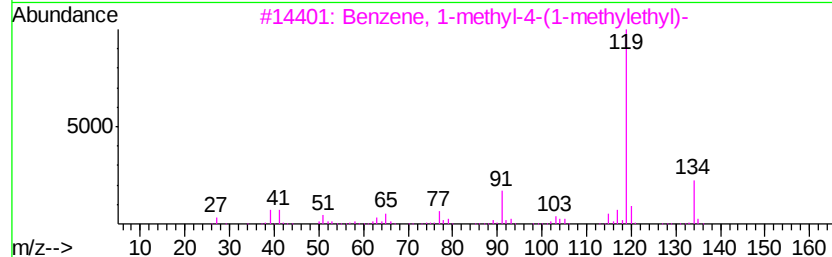
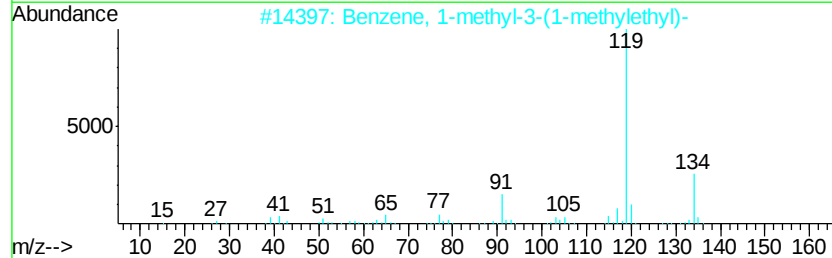
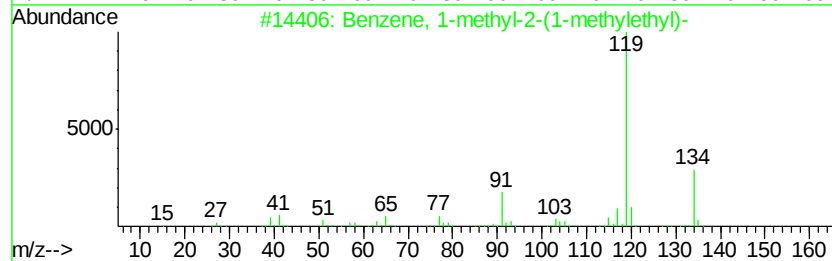
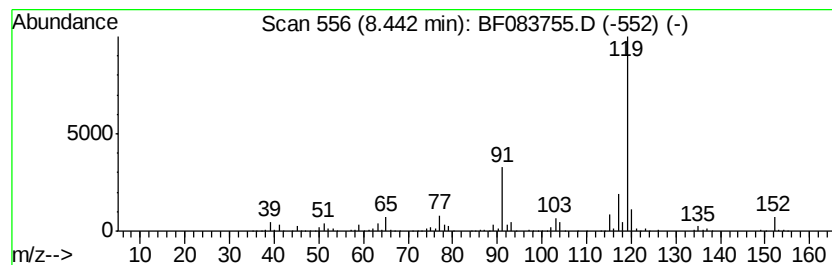
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, 1-methyl-2-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	85.14 ng	7216560	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	90
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	68
3		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	64
4		1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	64
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083755.D
Acq On : 14 Dec 2015 3:42
Operator : UM/IZ
Sample : G4760-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

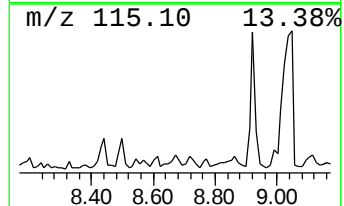
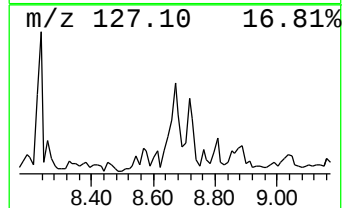
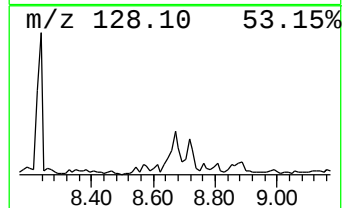
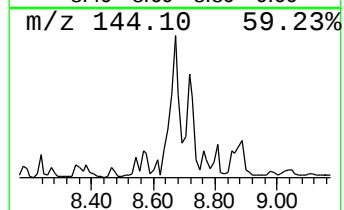
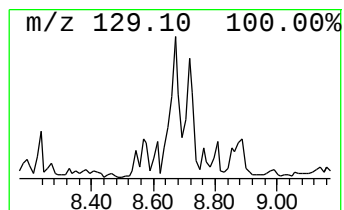
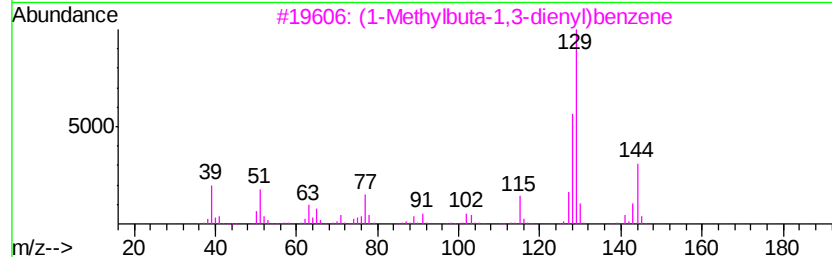
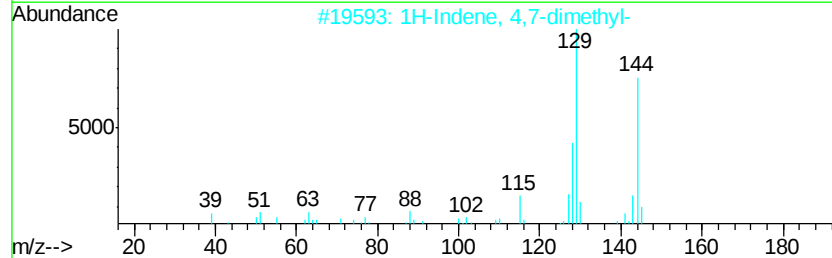
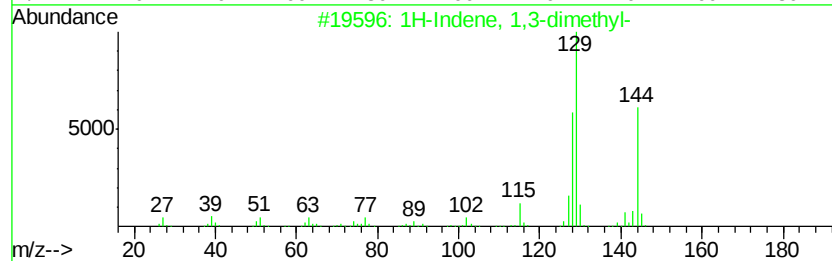
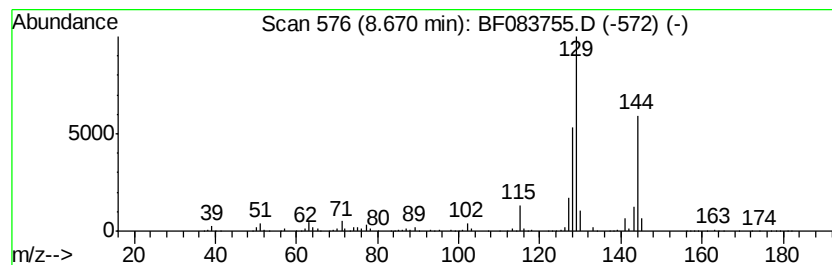
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Indene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	48.93 ng	4147270	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	95
2		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	91
3		(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	91
4		(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	91
5		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083755.D
Acq On : 14 Dec 2015 3:42
Operator : UM/IZ
Sample : G4760-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC121015-SOIL-POPH

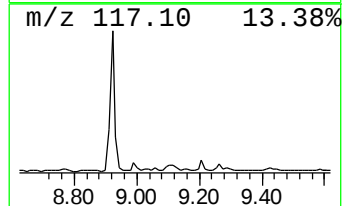
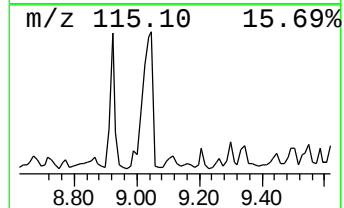
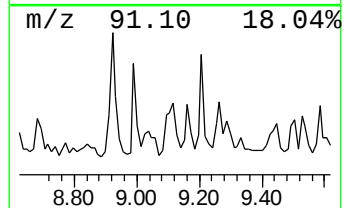
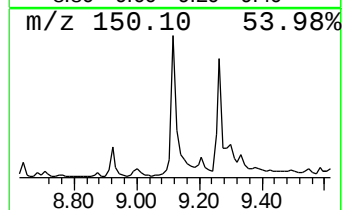
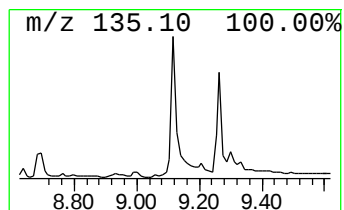
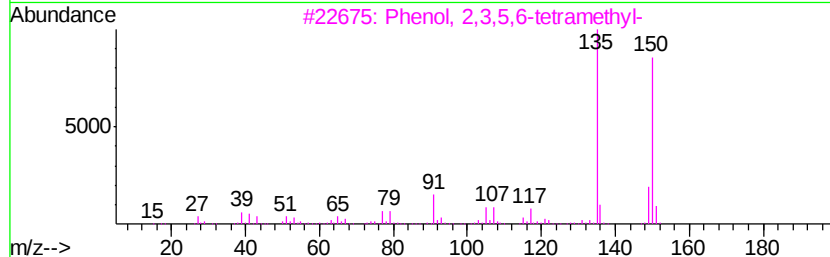
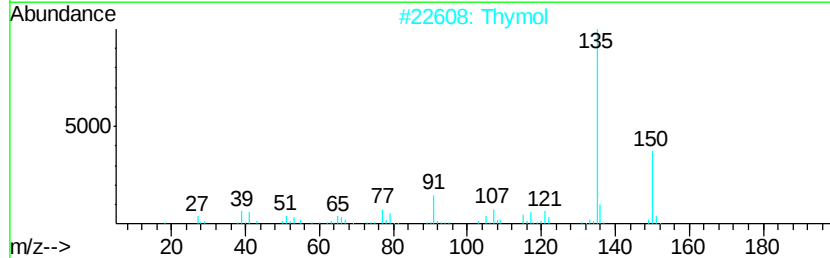
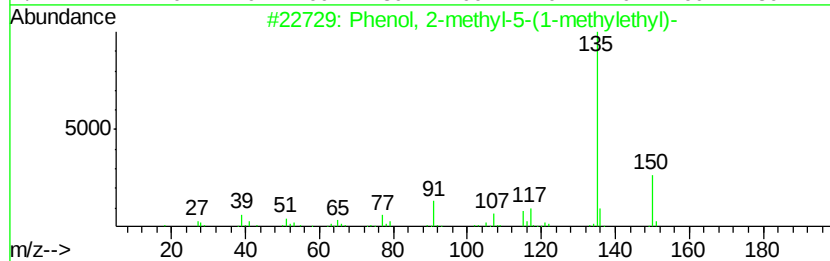
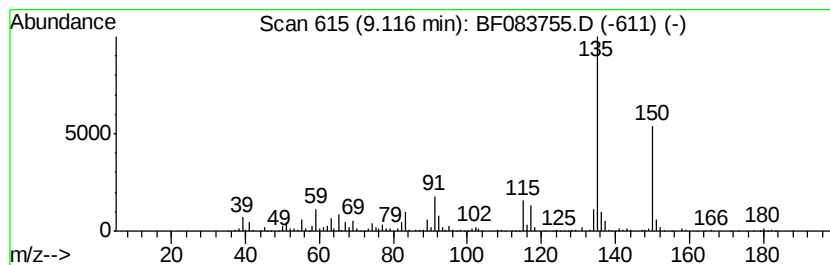
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenol, 2-methyl-5-(1-methyl-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	42.03 ng	3110560	Acenaphthene-d10	9.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	72
2		Thymol	150	C10H14O	000089-83-8	72
3		Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	64
4		2-Ethyl-4-methylanisole	150	C10H14O	079744-78-8	59
5		5-Cyano-1,2,3,4-tetrahydro-4,6-d...	150	C8H10N2O	027036-93-7	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083755.D
Acq On : 14 Dec 2015 3:42
Operator : UM/IZ
Sample : G4760-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

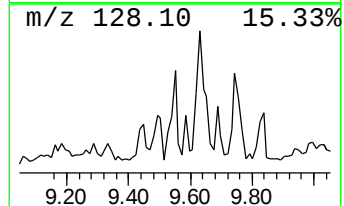
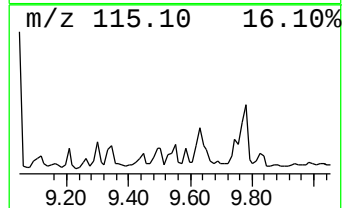
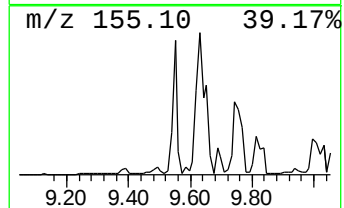
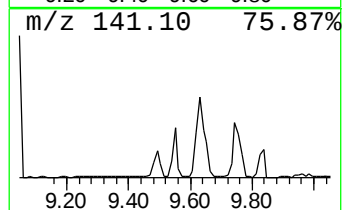
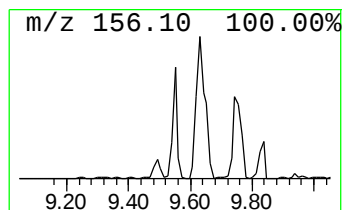
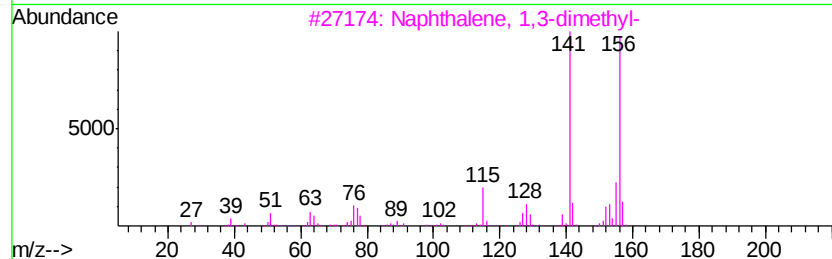
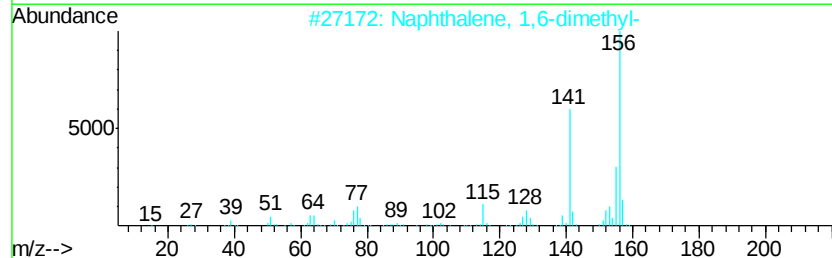
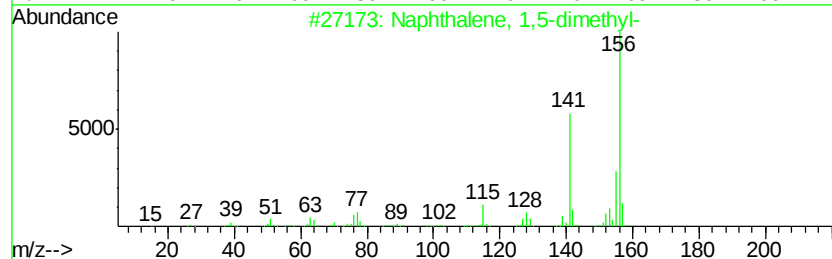
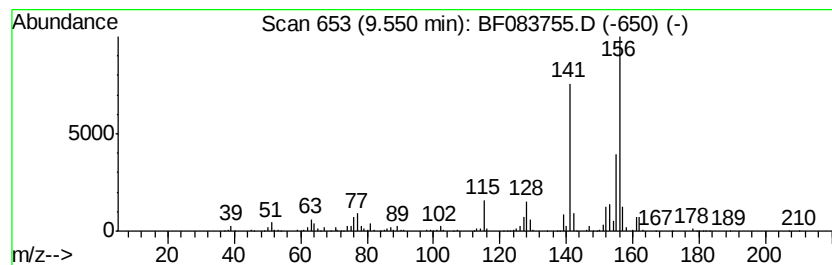
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	73.24 ng	5419810	Acenaphthene-d10	9.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	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\BF121315\
Data File : BF083755.D
Acq On : 14 Dec 2015 3:42
Operator : UM/IZ
Sample : G4760-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC121015-SOIL-POPH

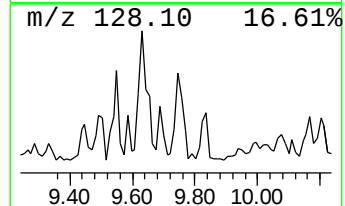
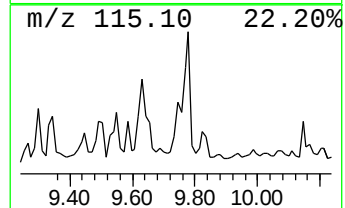
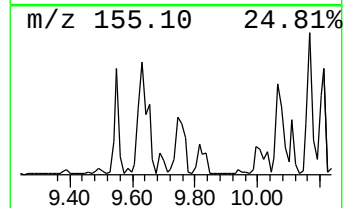
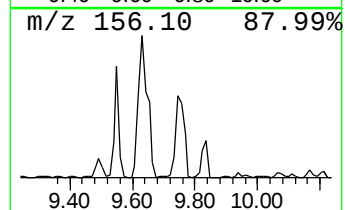
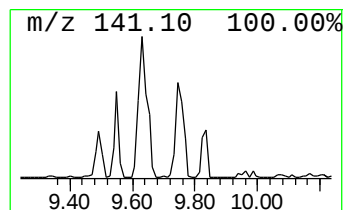
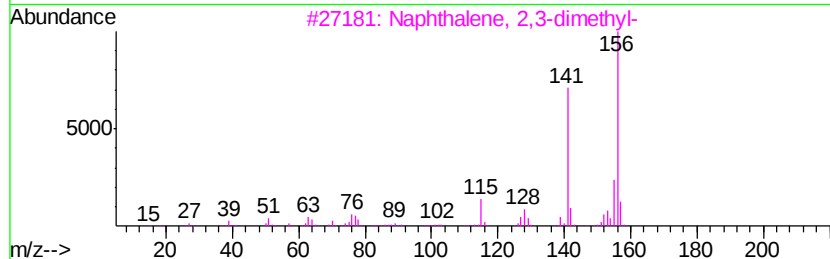
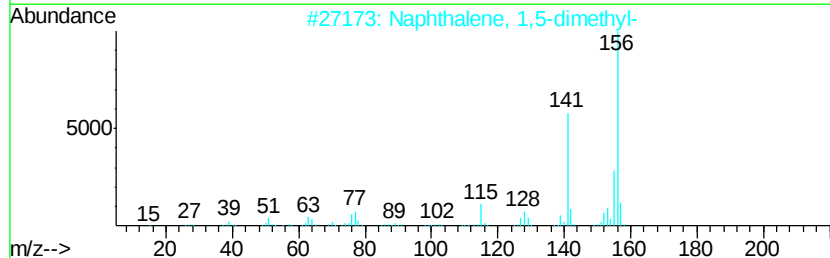
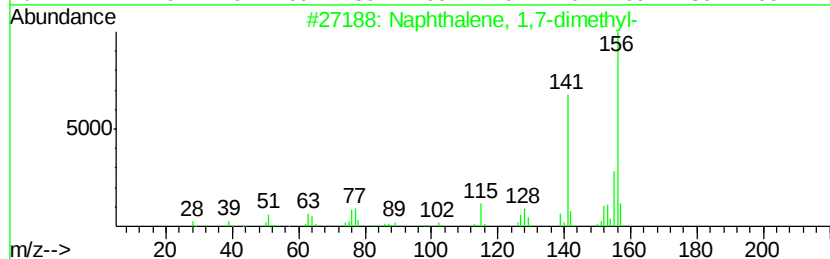
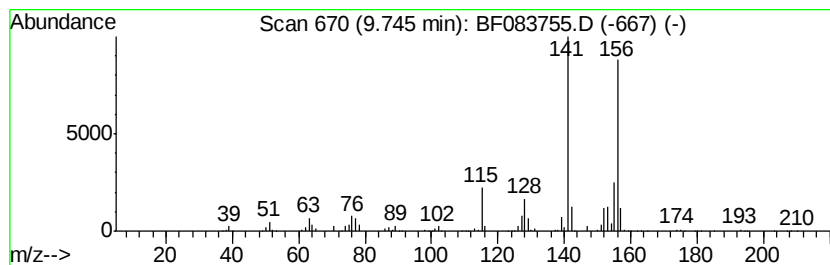
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	41.87 ng	3098780	Acenaphthene-d10	9.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
Data File : BF083755.D
Acq On : 14 Dec 2015 3:42
Operator : UM/IZ
Sample : G4760-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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2-Methylindene	7.97	91.7	ng	7775410	2	8.21	1695290	20.0
1H-Indene, 1-methyl-	8.02	104.6	ng	8868590	2	8.21	1695290	20.0
Benzene, 1-methyl...	8.44	85.1	ng	7216560	2	8.21	1695290	20.0
1H-Indene, 1,3-di...	8.67	48.9	ng	4147270	2	8.21	1695290	20.0
Phenol, 2-methyl-...	9.12	42.0	ng	3110560	3	9.96	1480070	20.0
Naphthalene, 1,5-...	9.55	73.2	ng	5419810	3	9.96	1480070	20.0
Naphthalene, 1,7-...	9.74	41.9	ng	3098780	3	9.96	1480070	20.0