

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122515\
 Data File : BM003810.D
 Acq On : 25 Dec 2015 11:07
 Operator : UM/SJ
 Sample : G4956-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 W-44

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_M\METHODS\8270-BM120915.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	4.804	287	292	299	rVB	60235	82874	3.29%	0.502%
2	5.004	322	326	332	rBB	19693	26645	1.06%	0.161%
3	5.269	365	371	379	rBV	426319	609909	24.24%	3.693%
4	6.863	635	642	652	rBV	268878	415470	16.51%	2.516%
5	7.216	695	702	710	rBV	785437	1220593	48.50%	7.391%
6	7.681	775	781	791	rBV	185196	293846	11.68%	1.779%
7	8.004	829	836	846	rBB	714914	1181761	46.96%	7.156%
8	8.839	972	978	989	rBV	577892	959699	38.14%	5.811%
9	10.469	1247	1255	1264	rBV	280792	476324	18.93%	2.884%
10	11.045	1342	1353	1360	rBV5	18010	42851	1.70%	0.259%
11	11.322	1387	1400	1404	rBV9	17579	50455	2.00%	0.306%
12	11.369	1404	1408	1416	rVB4	16053	30674	1.22%	0.186%
13	11.592	1440	1446	1452	rVB6	17608	37447	1.49%	0.227%
14	11.721	1462	1468	1473	rVB	14011	29078	1.16%	0.176%
15	11.804	1473	1482	1491	rBV	50479	102423	4.07%	0.620%
16	11.880	1491	1495	1500	rBV3	15589	27853	1.11%	0.169%
17	12.033	1514	1521	1526	rVB5	17493	33278	1.32%	0.202%
18	12.157	1536	1542	1547	rVB2	40661	73776	2.93%	0.447%
19	12.433	1586	1589	1595	rVB4	16929	25248	1.00%	0.153%
20	12.533	1601	1606	1611	rBV4	21983	47442	1.89%	0.287%
21	12.668	1625	1629	1633	rVB4	30737	48183	1.91%	0.292%
22	12.721	1633	1638	1642	rBV7	15561	27807	1.10%	0.168%
23	12.768	1642	1646	1649	rVV3	18336	27500	1.09%	0.167%
24	12.810	1649	1653	1656	rVV2	22855	41429	1.65%	0.251%
25	12.851	1657	1660	1667	rVV5	25849	57981	2.30%	0.351%
26	12.951	1670	1677	1682	rVV	1589221	2377415	94.47%	14.396%
27	12.998	1682	1685	1690	rVV4	49370	78123	3.10%	0.473%
28	13.045	1690	1693	1698	rVB4	21523	29437	1.17%	0.178%
29	13.563	1778	1781	1787	rVB6	15966	25784	1.02%	0.156%
30	13.663	1788	1798	1804	rBV2	54355	116393	4.63%	0.705%
31	13.733	1805	1810	1816	rBV	62516	102395	4.07%	0.620%
32	13.792	1816	1820	1824	rBV	100835	134120	5.33%	0.812%
33	13.892	1833	1837	1839	rBV2	19519	29826	1.19%	0.181%
34	13.921	1839	1842	1847	rVB3	42325	66382	2.64%	0.402%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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35	14.051	1860	1864	1868	rBV2	22686	36595	1.45%	0.222%
36	14.333	1906	1912	1919	rVB2	369809	588355	23.38%	3.563%
37	14.615	1956	1960	1964	rBV	31699	41479	1.65%	0.251%
38	14.892	2004	2007	2010	rBV4	19754	27312	1.09%	0.165%
39	14.945	2012	2016	2023	rVV8	35905	84138	3.34%	0.509%
40	15.080	2035	2039	2047	rVB3	53688	100029	3.97%	0.606%
41	15.186	2055	2057	2063	rVB3	20883	28035	1.11%	0.170%
42	15.298	2071	2076	2080	rBV4	26576	46348	1.84%	0.281%
43	15.721	2140	2148	2156	rBV	190802	361979	14.38%	2.192%
44	15.833	2161	2167	2178	rVB	963156	1515909	60.24%	9.179%
45	16.845	2336	2339	2346	rVB5	30046	44874	1.78%	0.272%
46	17.086	2374	2380	2386	rBV2	438237	651766	25.90%	3.947%
47	17.445	2438	2441	2447	rBV	18539	29139	1.16%	0.176%
48	17.986	2530	2533	2538	rBV2	43133	65156	2.59%	0.395%
49	19.539	2792	2797	2805	rVB	103764	144152	5.73%	0.873%
50	19.721	2822	2828	2835	rBV	1930887	2516540	100.00%	15.238%
51	20.991	3040	3044	3050	rBV	46111	63825	2.54%	0.386%
52	21.280	3088	3093	3099	rBV	501020	649024	25.79%	3.930%
53	23.521	3467	3474	3483	rVB	314652	589830	23.44%	3.572%

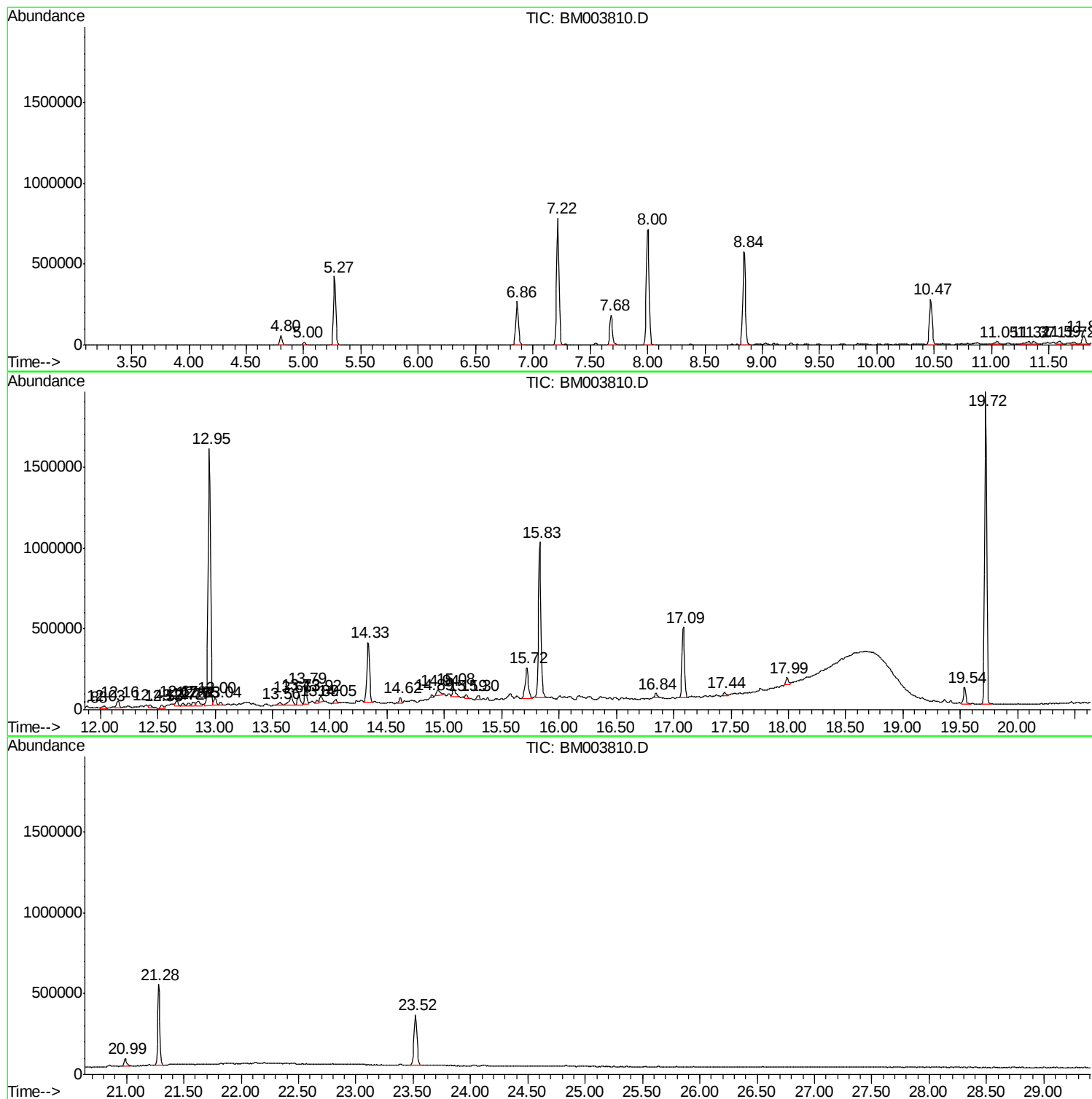
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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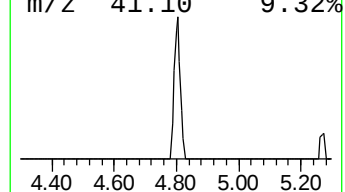
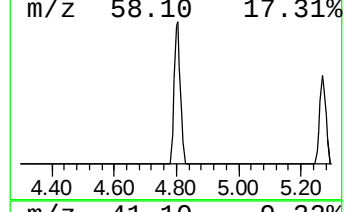
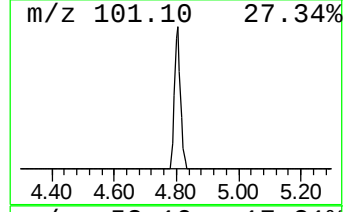
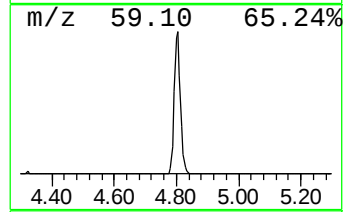
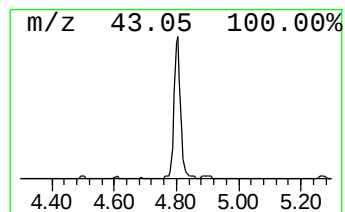
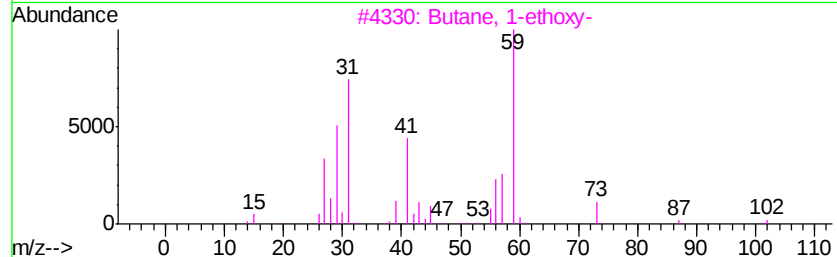
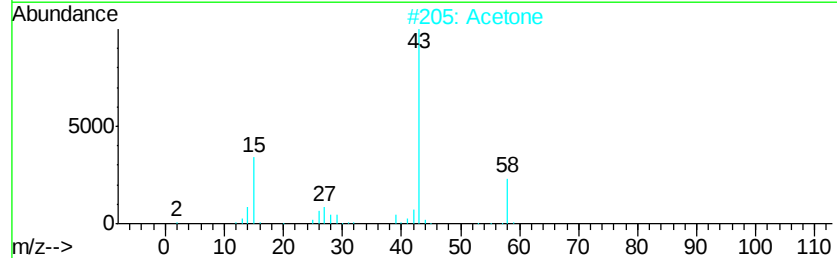
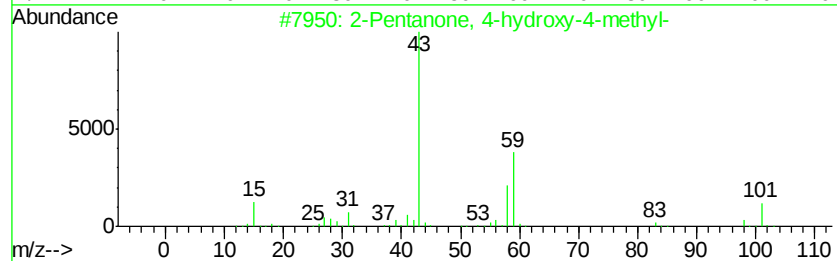
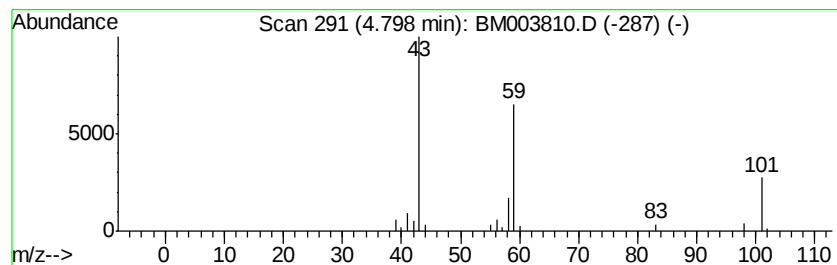
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	5.64 ng	82874	1,4-Dichlorobenzene-d4	7.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	56
2	Acetone	58	C3H6O		000067-64-1	9
3	Butane, 1-ethoxy-	102	C6H14O		000628-81-9	9
4	5-Hexen-2-one	98	C6H10O		000109-49-9	9
5	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2		016504-58-8	9



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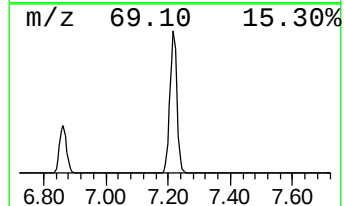
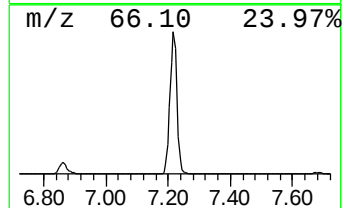
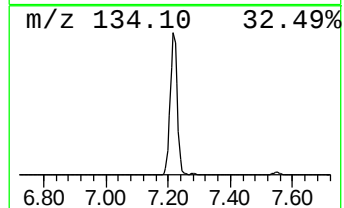
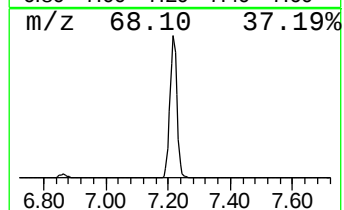
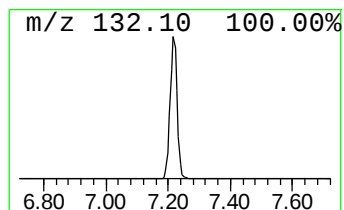
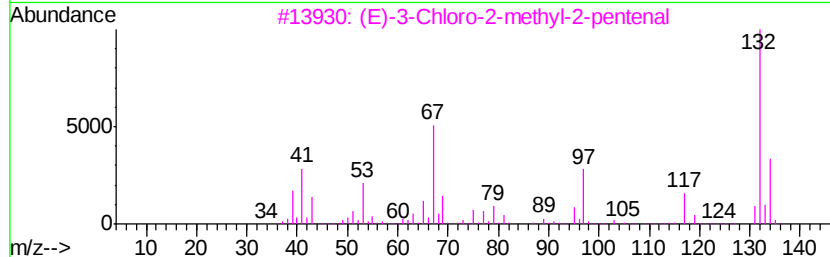
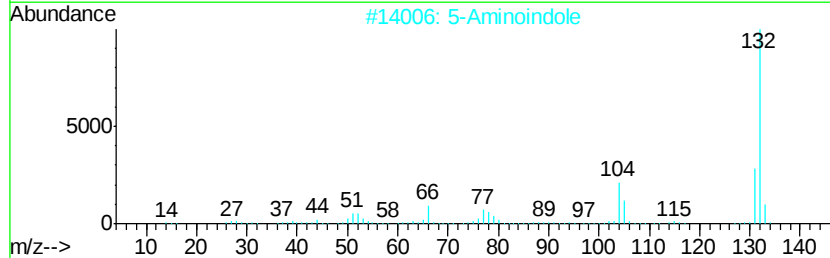
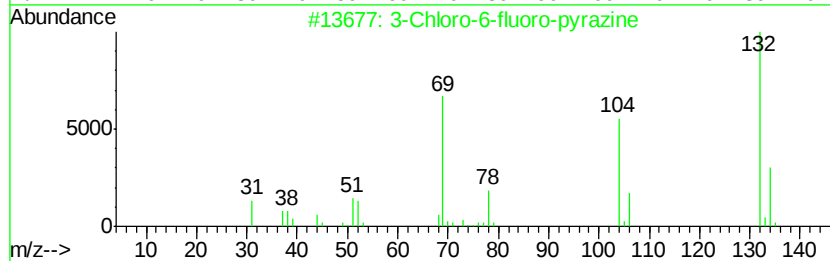
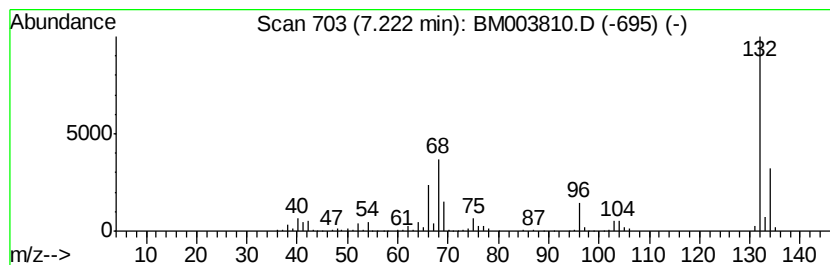
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Peak Number 2 unknown7.22 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	83.08 ng	1220590	1,4-Dichlorobenzene-d4	7.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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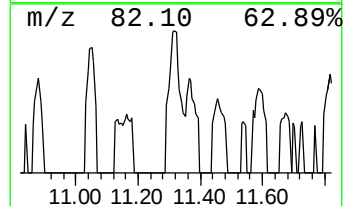
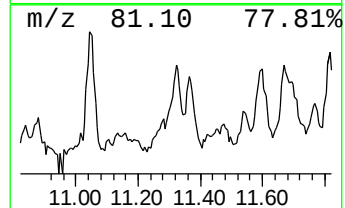
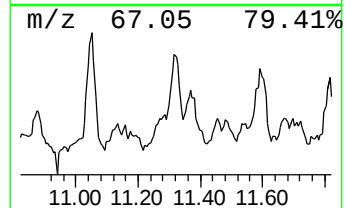
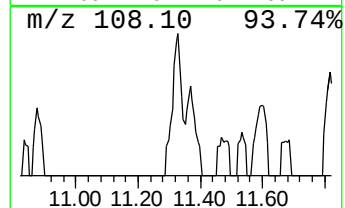
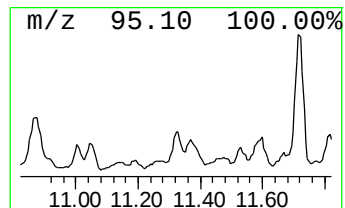
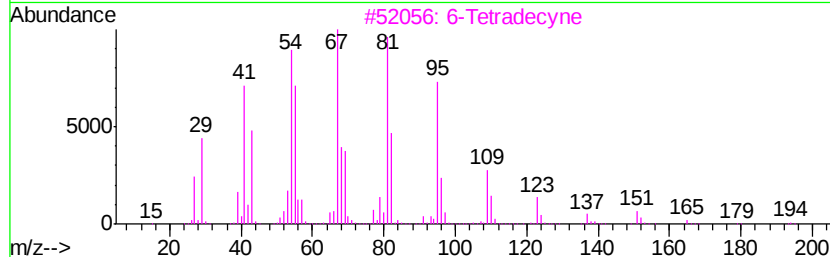
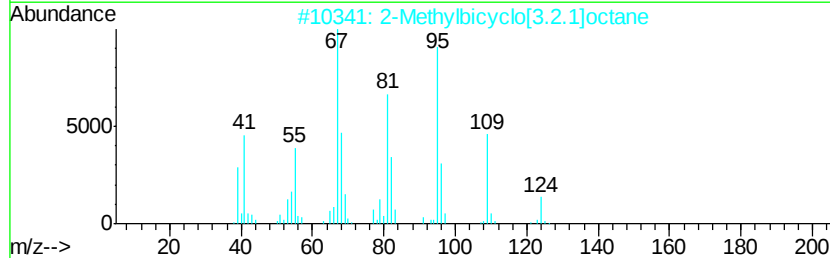
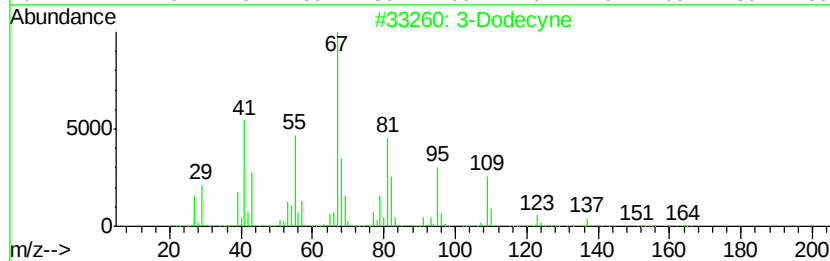
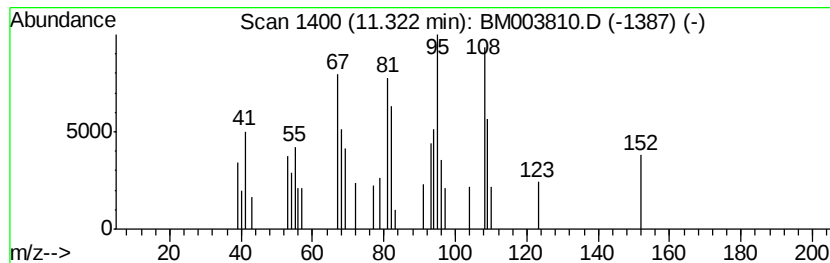
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 3-Dodecyne Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	2.12 ng	50455	Napthalene-d8	10.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Dodecyne	166	C12H22	006790-27-8	52
2		2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	47
3		6-Tetradecyne	194	C14H26	003730-08-3	47
4		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	46
5		Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	46



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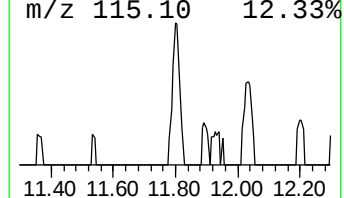
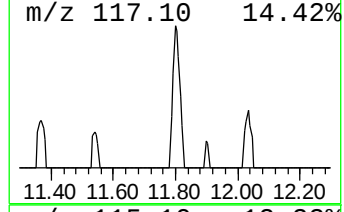
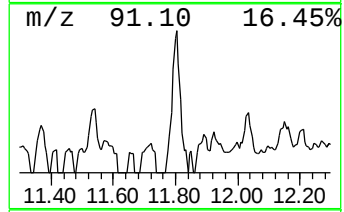
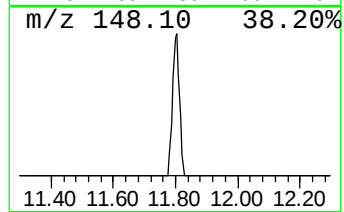
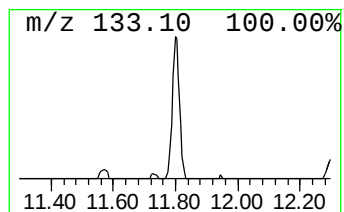
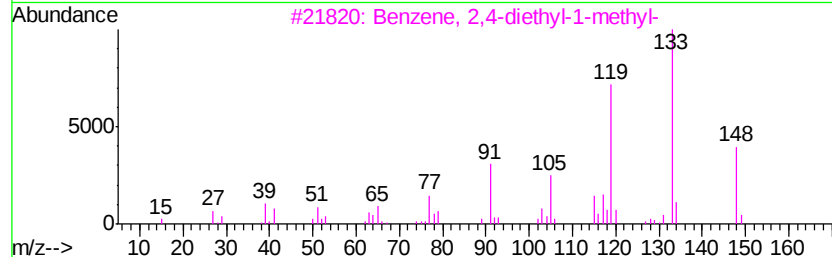
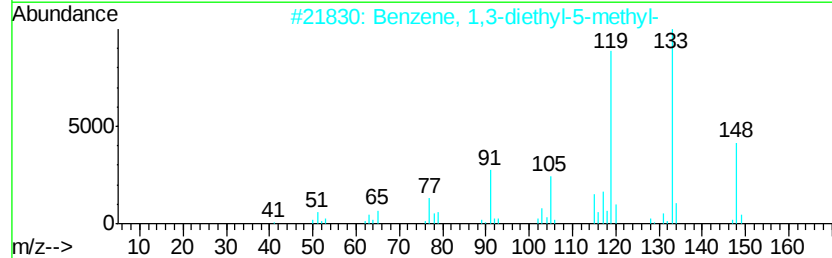
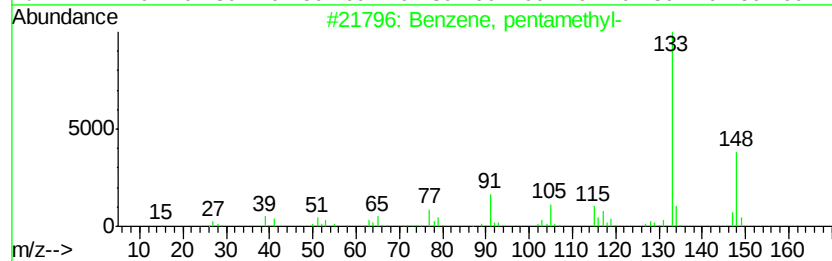
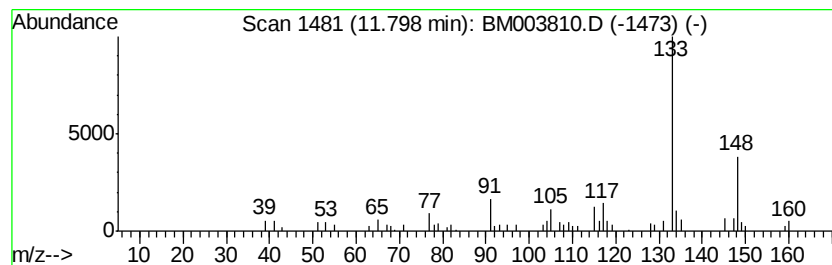
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, pentamethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.30 ng	102423	Naphthalene-d8	10.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, pentamethyl-	148	C11H16	000700-12-9	95
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	83
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	80
5		2-tert-Butyltoluene	148	C11H16	001074-92-6	80



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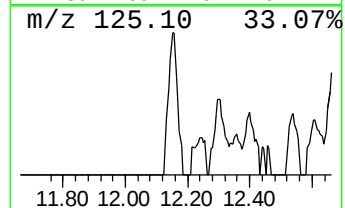
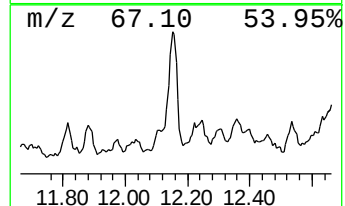
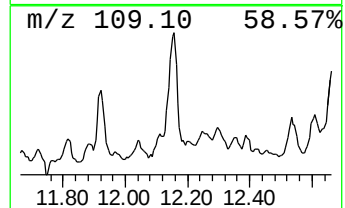
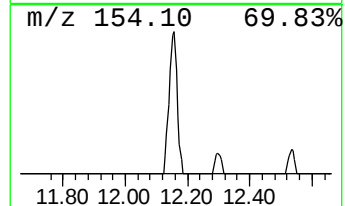
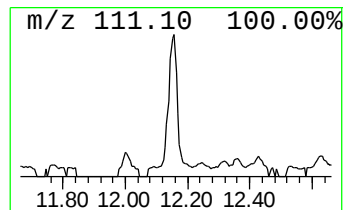
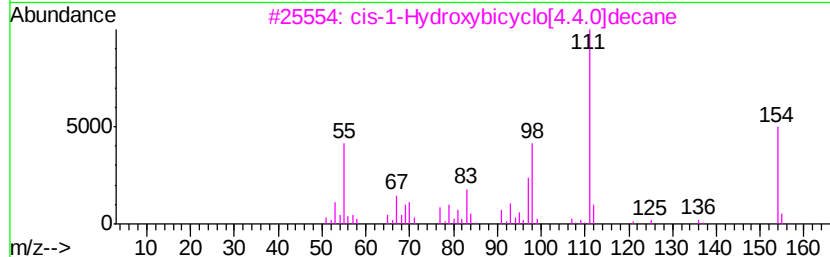
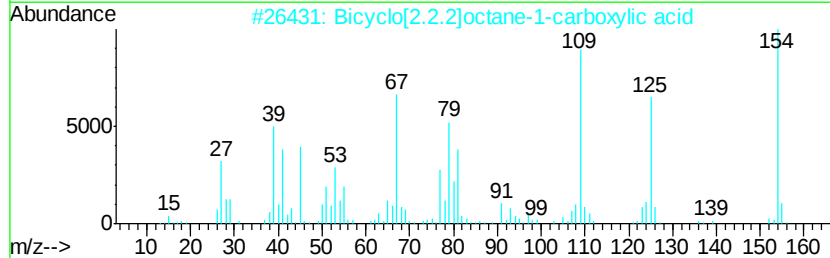
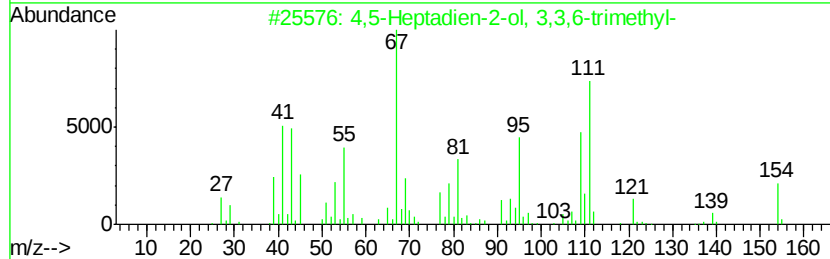
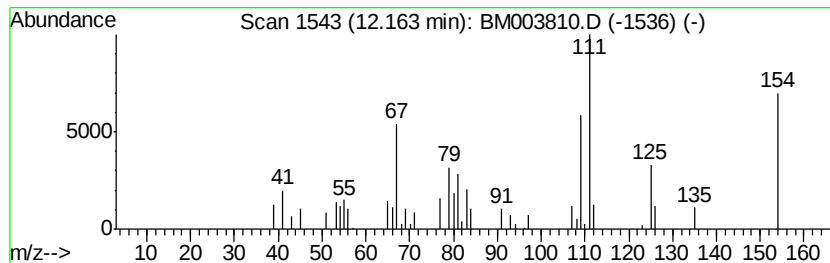
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4,5-Heptadien-2-ol, 3,3,6-t... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.10 ng	73776	Naphthalene-d8	10.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,5-Heptadien-2-ol, 3,3,6-trimet...	154	C10H18O	060432-69-1	72
2		Bicyclo[2.2.2]octane-1-carboxyli...	154	C9H14O2	000699-55-8	43
3		cis-1-Hydroxybicyclo[4.4.0]decane	154	C10H18O	003574-58-1	38
4		Phenol, 4-amino-2-nitro-	154	C6H6N2O3	000119-34-6	35
5		2-Thiophenecarboxylic acid, 1-cy...	224	C12H16O2S	1000278-88-4	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122515\
Data File : BM003810.D
Acq On : 25 Dec 2015 11:07
Operator : UM/SJ
Sample : G4956-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
W-44

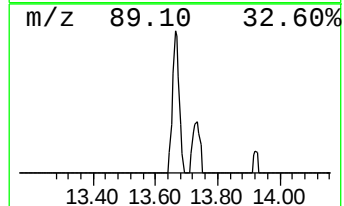
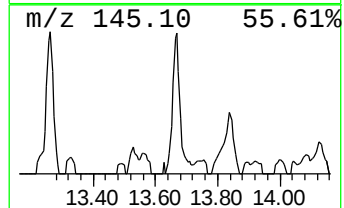
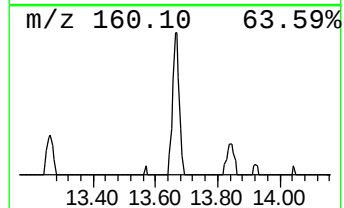
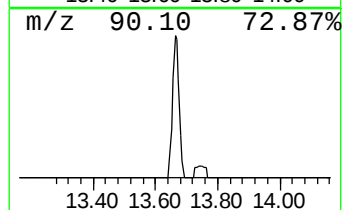
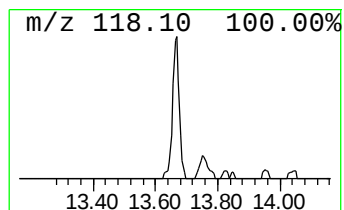
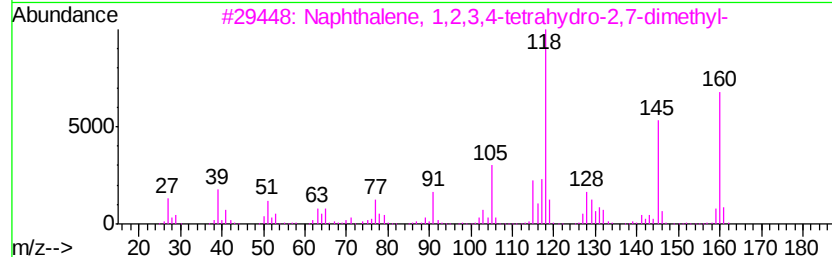
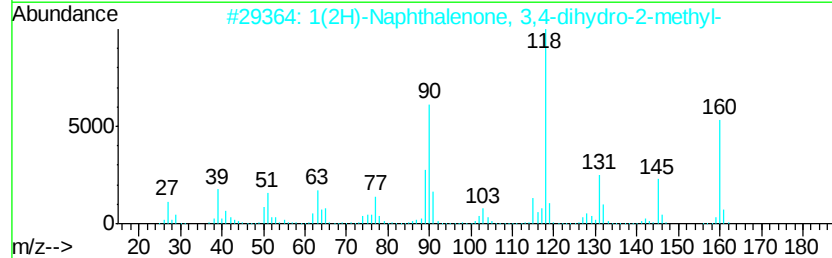
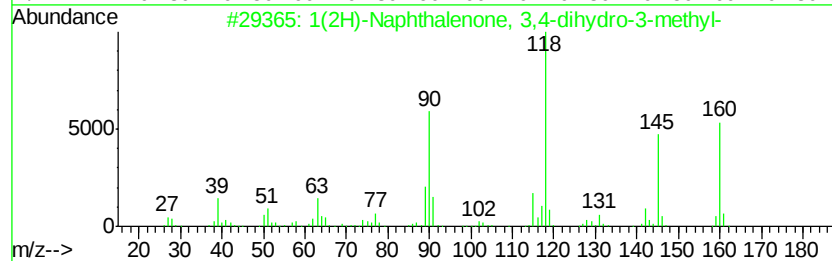
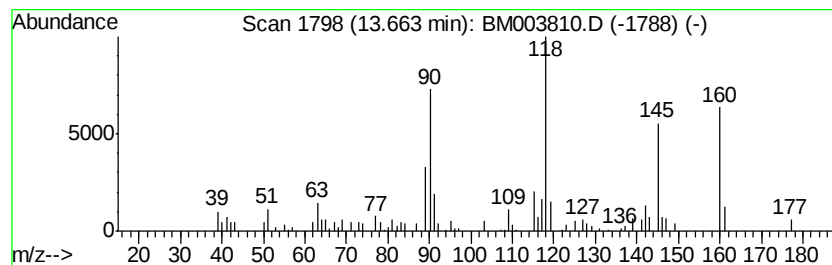
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	3.96 ng	116393	Acenaphthene-d10	14.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	94
2		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	87
3		Naphthalene, 1,2,3,4-tetrahydro...	160	C12H16	013065-07-1	76
4		Naphthalene, 1,2,3,4-tetrahydro...	160	C12H16	007524-63-2	58
5		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	38



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Data File : BM003810.D
Acq On : 25 Dec 2015 11:07
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Sample : G4956-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

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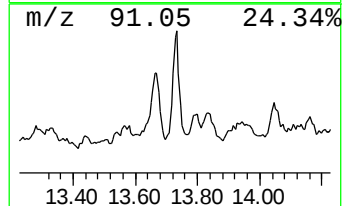
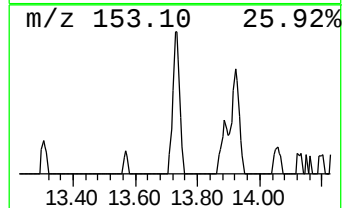
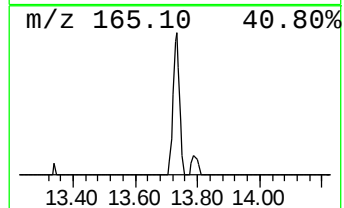
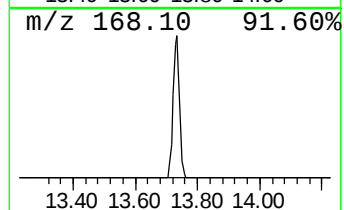
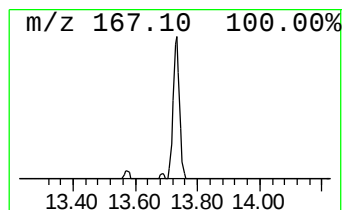
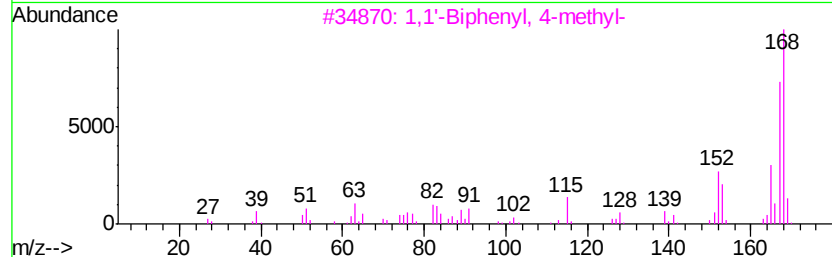
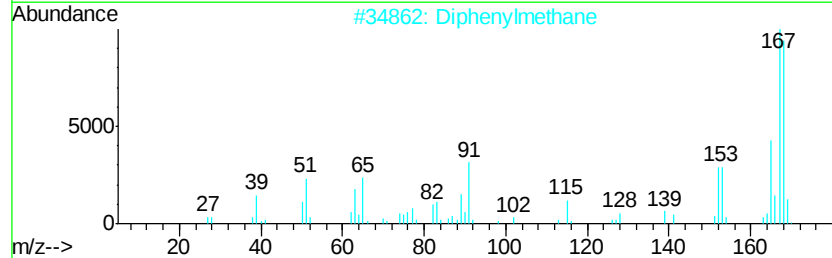
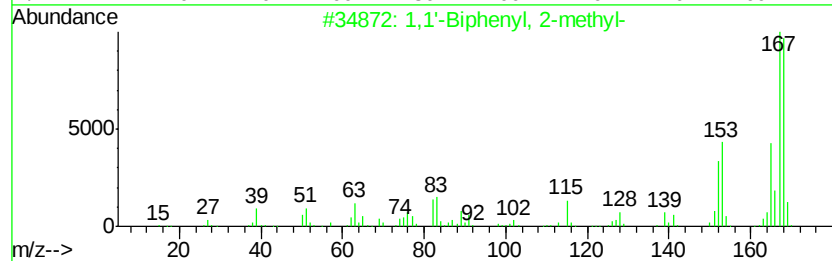
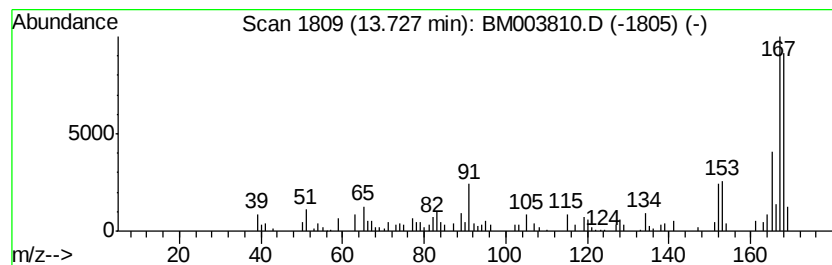
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.48 ng	102395	Acenaphthene-d10	14.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	96
2		Diphenylmethane	168	C13H12	000101-81-5	91
3		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	90
4		Nordiphenamid	225	C15H15NO	000954-21-2	90
5		Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	68



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Acq On : 25 Dec 2015 11:07
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Sample : G4956-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

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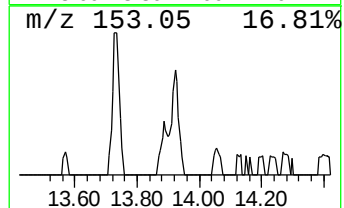
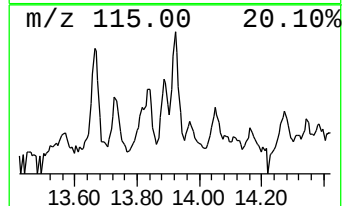
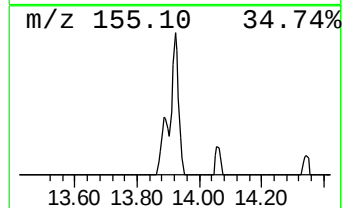
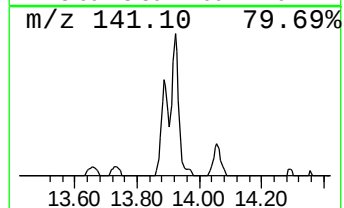
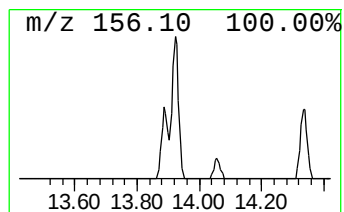
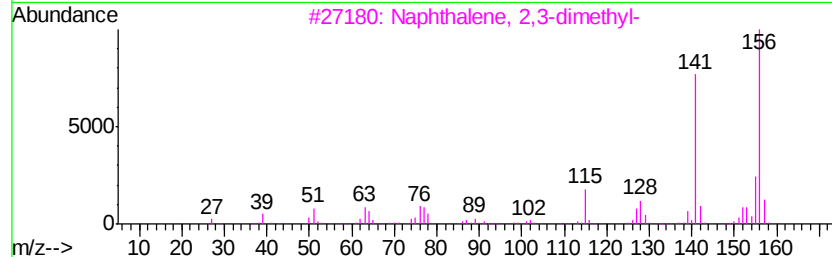
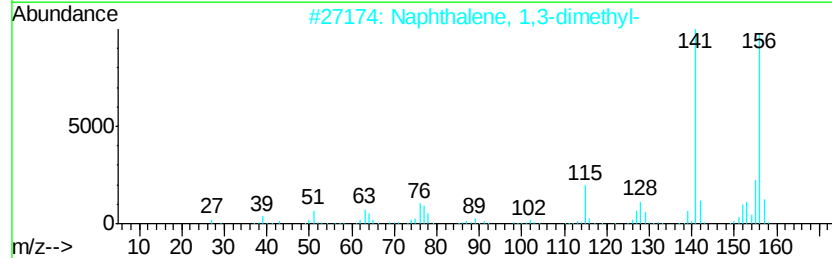
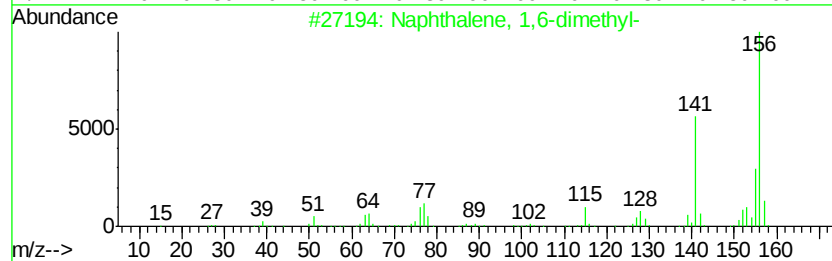
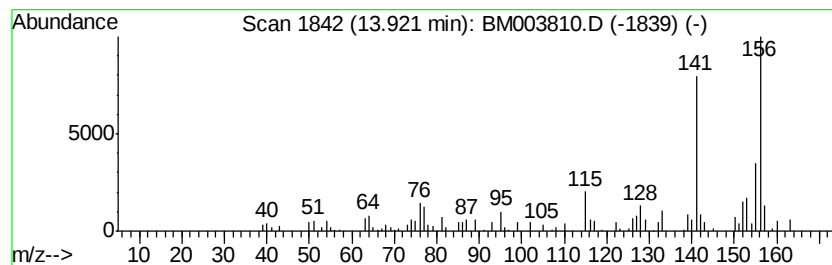
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	2.26 ng	66382	Acenaphthene-d10	14.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



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Data File : BM003810.D
Acq On : 25 Dec 2015 11:07
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Sample : G4956-01
Misc :
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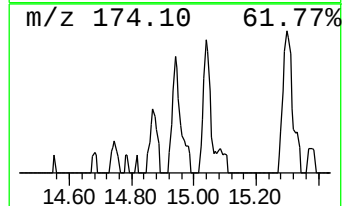
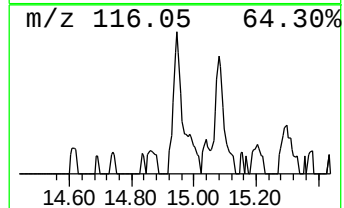
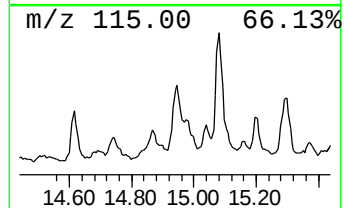
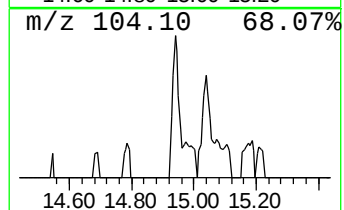
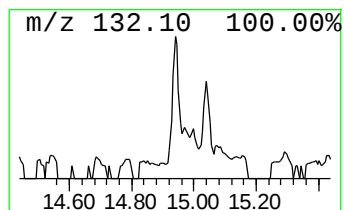
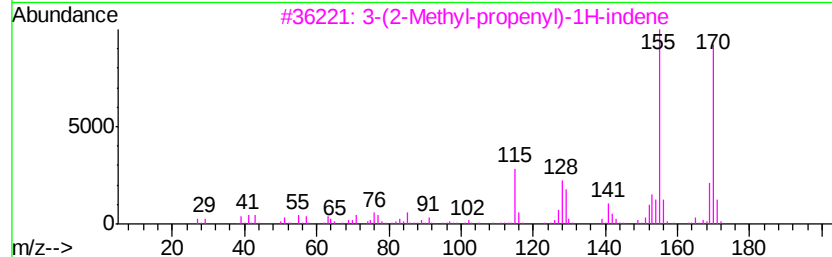
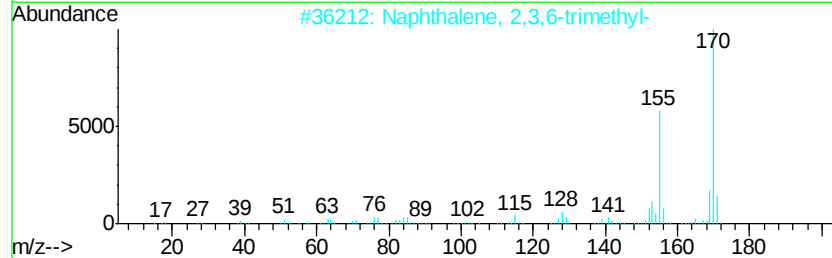
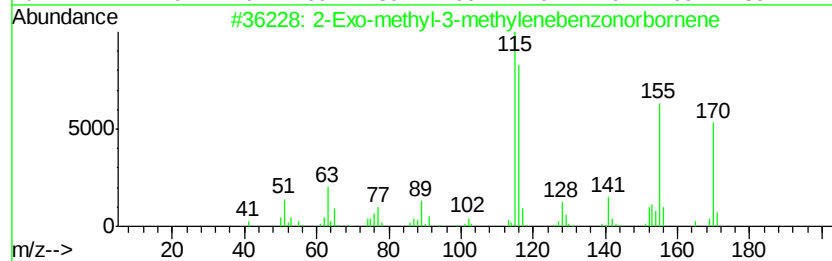
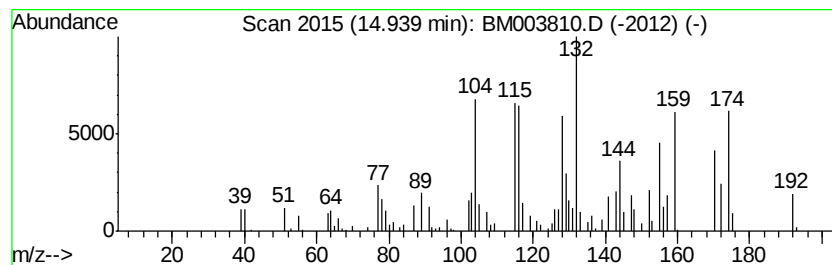
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown14.94 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	2.86 ng	84138	Acenaphthene-d10	14.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Exo-methyl-3-methylenebenzonor...	170	C13H14	151123-60-3	45
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	20
3		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	20
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	18
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	18



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122515\
Data File : BM003810.D
Acq On : 25 Dec 2015 11:07
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Sample : G4956-01
Misc :
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Instrument :
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ClientSampleId :
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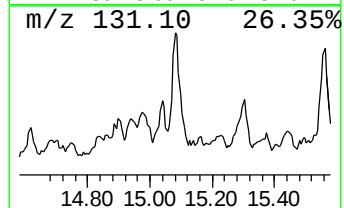
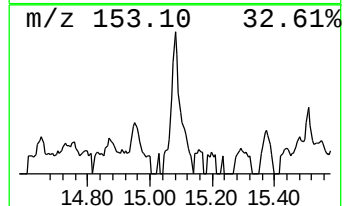
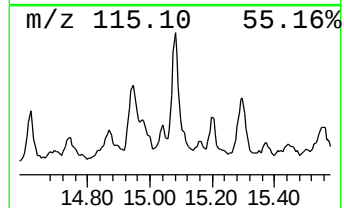
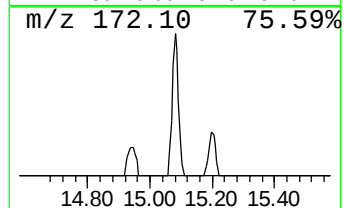
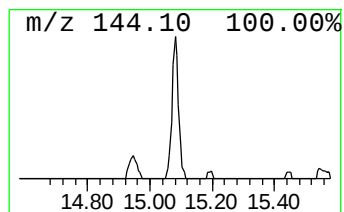
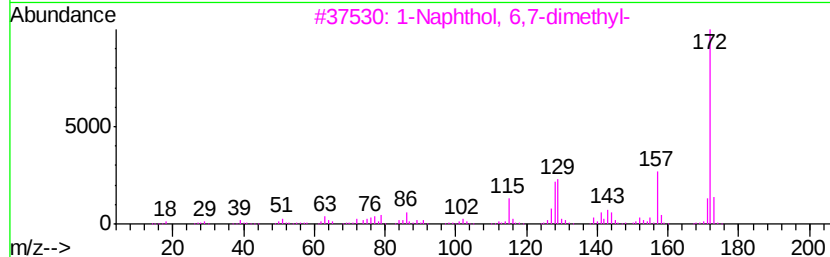
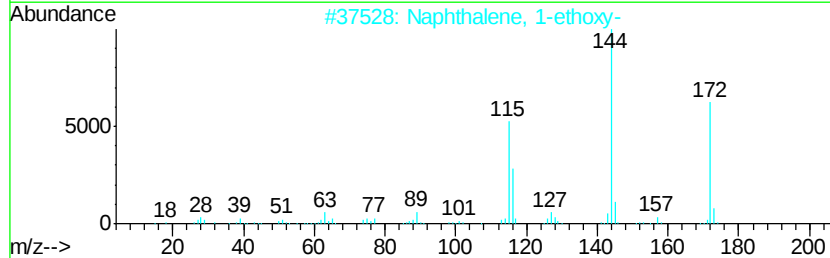
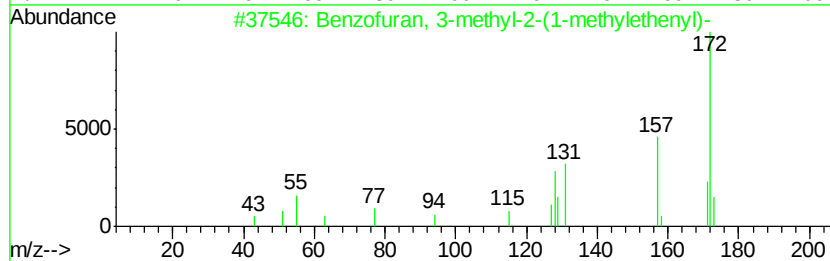
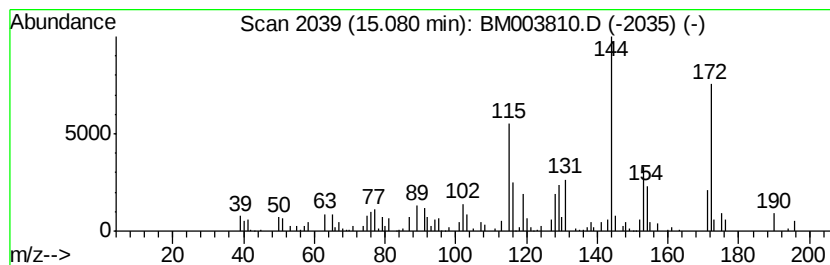
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown15.08 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	3.40 ng	100029	Acenaphthene-d10	14.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzofuran, 3-methyl-2-(1-methyl...	172	C12H12O	023911-58-2	38
2			Naphthalene, 1-ethoxy-	172	C12H12O	005328-01-8	35
3			1-Naphthol, 6,7-dimethyl-	172	C12H12O	031776-14-4	30
4			1,2,3,4-Tetrahydrodibenzofuran	172	C12H12O	013130-19-3	27
5			1-Naphthol, 5,7-dimethyl-	172	C12H12O	031706-76-0	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122515\
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Sample : G4956-01
Misc :
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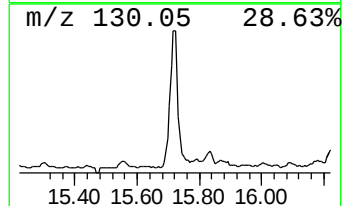
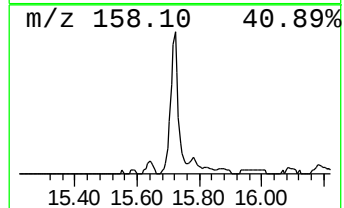
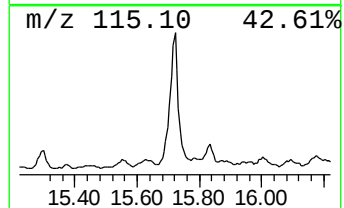
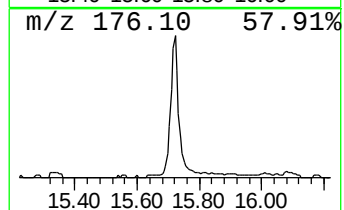
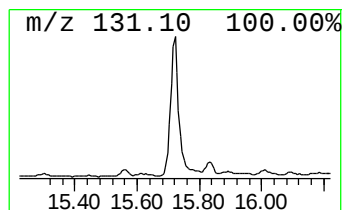
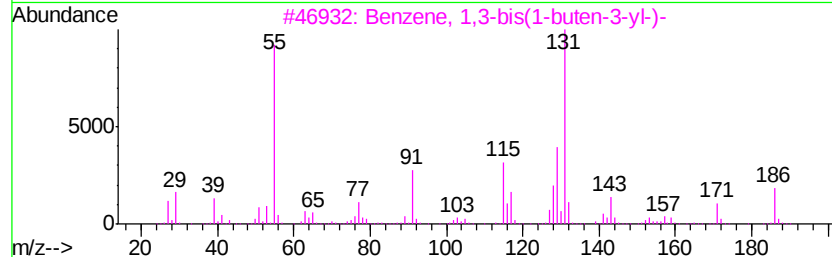
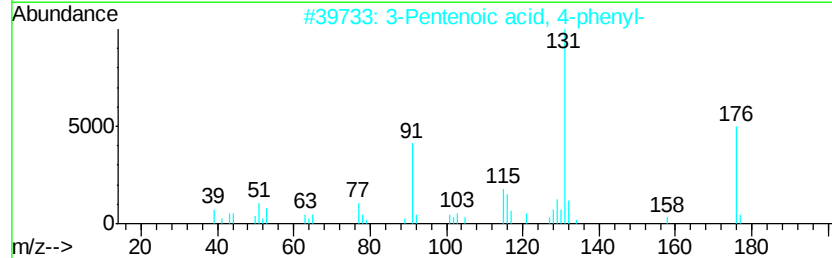
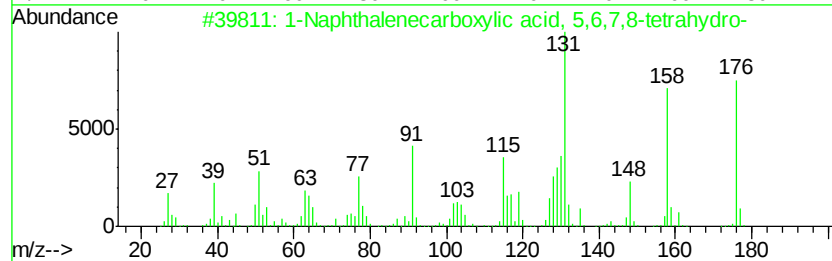
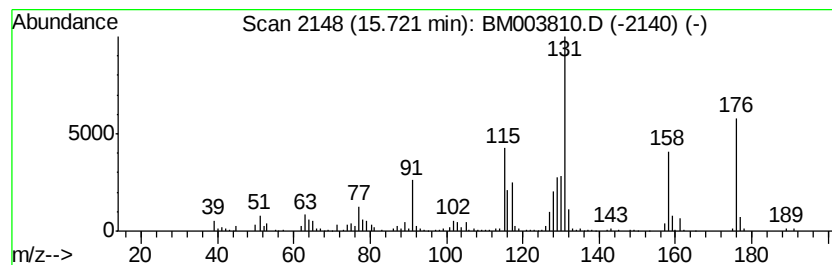
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1-Naphthalenecarboxylic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	11.11 ng	361979	Phenanthrene-d10	17.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	81
2		3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	43
3		Benzene, 1,3-bis(1-buten-3-yl)-	186	C14H18	158117-62-5	37
4		2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	35
5		Cinnamic acid, .alpha.,.beta.-di...	176	C11H12O2	1000151-56-4	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122515\
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ClientSampleId :
W-44

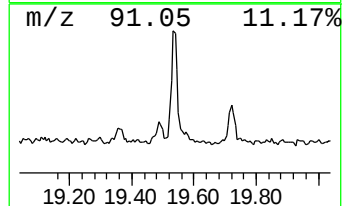
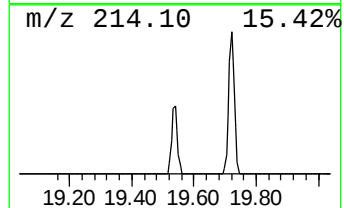
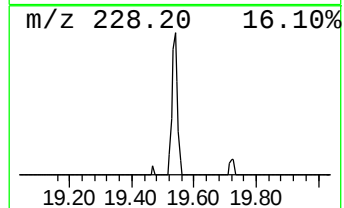
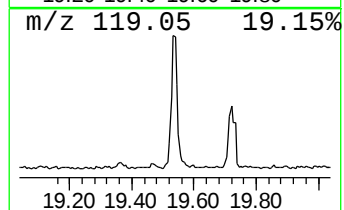
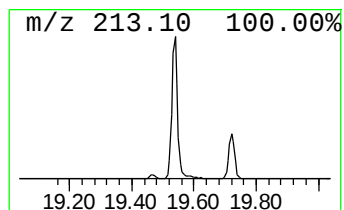
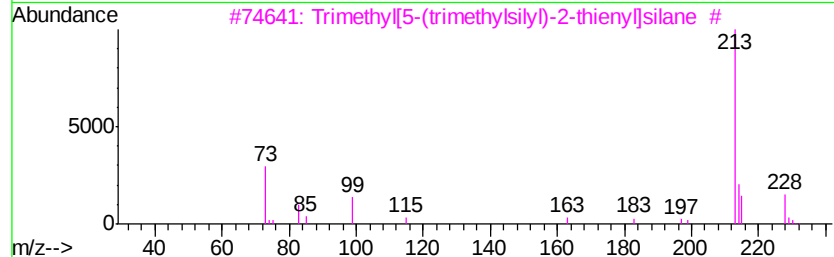
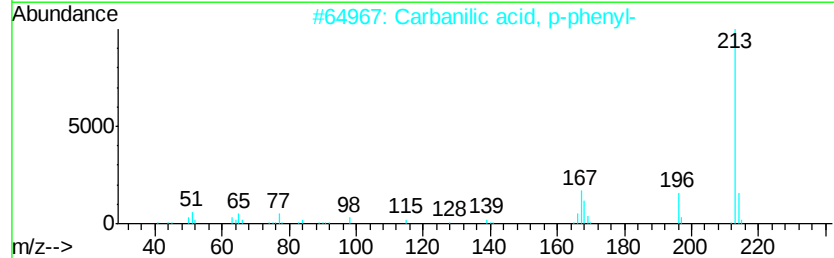
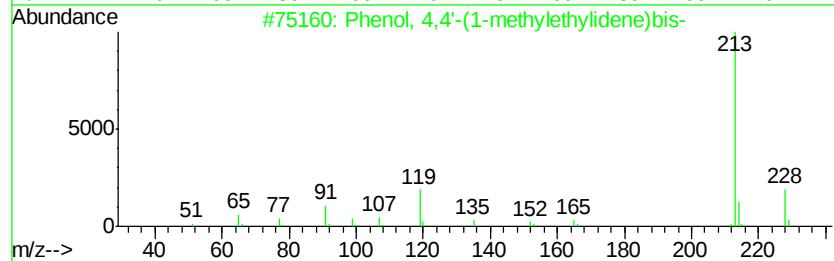
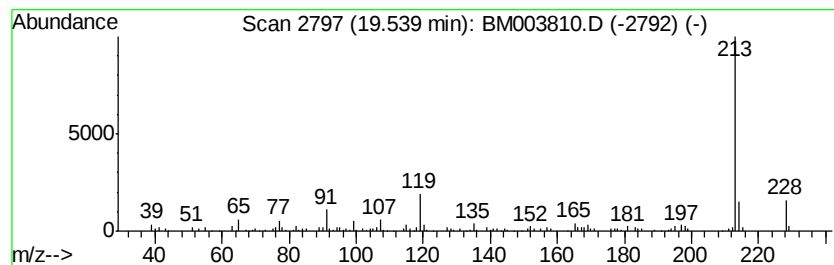
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	4.44 ng	144152	Chrysene-d12	21.28

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	98	
2	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	58	
3	Trimethyl[5-(trimethylsilyl)-2-t...	228	C10H20SSi2	017906-71-7	53	
4	Acridine, 9-chloro-	213	C13H8ClN	001207-69-8	50	
5	1,4-Naphthalenedione, 2-(1-buten...	228	C14H12O3	029366-43-6	50	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122515\
Data File : BM003810.D
Acq On : 25 Dec 2015 11:07
Operator : UM/SJ
Sample : G4956-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
W-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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
2-Pentanone, 4-hy...	4.80	5.6	ng	82874	1	7.68	293846	20.0
unknown7.22	7.22	83.1	ng	1220590	1	7.68	293846	20.0
3-Dodecyne	11.32	2.1	ng	50455	2	10.47	476324	20.0
Benzene, pentamet...	11.80	4.3	ng	102423	2	10.47	476324	20.0
4,5-Heptadien-2-o...	12.16	3.1	ng	73776	2	10.47	476324	20.0
1(2H)-Naphthaleno...	13.66	4.0	ng	116393	3	14.33	588355	20.0
1,1'-Biphenyl, 2-...	13.73	3.5	ng	102395	3	14.33	588355	20.0
Naphthalene, 1,6-...	13.92	2.3	ng	66382	3	14.33	588355	20.0
unknown14.94	14.94	2.9	ng	84138	3	14.33	588355	20.0
unknown15.08	15.08	3.4	ng	100029	3	14.33	588355	20.0
1-Naphthalenecarb...	15.72	11.1	ng	361979	4	17.09	651766	20.0
Phenol, 4,4'-(1-m...	19.54	4.4	ng	144152	5	21.28	649024	20.0