

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051217\
 Data File : BF095121.D
 Acq On : 12 May 2017 20:07
 Operator : SJ/MA
 Sample : I3124-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C91516-COMP

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-BF050217.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	7.701	976	980	1000	rBV	308665	464421	32.43%	4.245%
2	9.719	1319	1323	1326	rBV	560275	633865	44.26%	5.794%
3	9.754	1326	1329	1336	rVB	245835	348989	24.37%	3.190%
4	10.072	1376	1383	1388	rBV9	17231	47389	3.31%	0.433%
5	10.201	1400	1405	1411	rVB4	34767	61654	4.31%	0.564%
6	10.378	1426	1435	1440	rBV	84785	149520	10.44%	1.367%
7	10.448	1443	1447	1453	rVB7	22383	37357	2.61%	0.341%
8	10.507	1453	1457	1462	rBV2	68361	108082	7.55%	0.988%
9	10.560	1463	1466	1472	rVB3	35658	57031	3.98%	0.521%
10	10.660	1480	1483	1486	rBV	122006	121156	8.46%	1.107%
11	10.689	1486	1488	1491	rVB	49202	44713	3.12%	0.409%
12	10.748	1491	1498	1501	rBV5	31684	59485	4.15%	0.544%
13	10.795	1502	1506	1513	rVB9	32094	64142	4.48%	0.586%
14	10.878	1516	1520	1527	rBV	978812	1259358	87.94%	11.512%
15	11.030	1542	1546	1552	rBV	478384	698337	48.76%	6.383%
16	11.083	1552	1555	1561	rVB5	61249	111658	7.80%	1.021%
17	11.266	1581	1586	1590	rBV7	40294	103358	7.22%	0.945%
18	11.313	1591	1594	1598	rVV5	55780	79652	5.56%	0.728%
19	11.377	1603	1605	1611	rBV6	34357	44100	3.08%	0.403%
20	11.442	1612	1616	1621	rBV5	108886	208391	14.55%	1.905%
21	11.501	1621	1626	1629	rVB3	77221	125272	8.75%	1.145%
22	11.589	1638	1641	1648	rVB6	57361	86286	6.03%	0.789%
23	11.707	1659	1661	1662	rBV2	50457	36708	2.56%	0.336%
24	11.919	1692	1697	1701	rBV4	92283	209118	14.60%	1.912%
25	12.030	1712	1716	1719	rBV	189760	277043	19.35%	2.532%
26	12.077	1721	1724	1730	rVB2	267033	416078	29.05%	3.803%
27	12.336	1764	1768	1773	rBV4	221034	416868	29.11%	3.811%
28	12.413	1777	1781	1788	rVB2	487516	900556	62.89%	8.232%
29	12.560	1802	1806	1814	rBV3	440188	1012213	70.68%	9.253%
30	12.654	1818	1822	1828	rVB	972399	1432063	100.00%	13.090%
31	18.636	2836	2839	2850	rVB	425502	747756	52.22%	6.835%
32	19.612	3003	3005	3012	rVB	104684	115689	8.08%	1.058%
33	20.295	3118	3121	3133	rVB	275592	461418	32.22%	4.218%

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C91516-COMP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

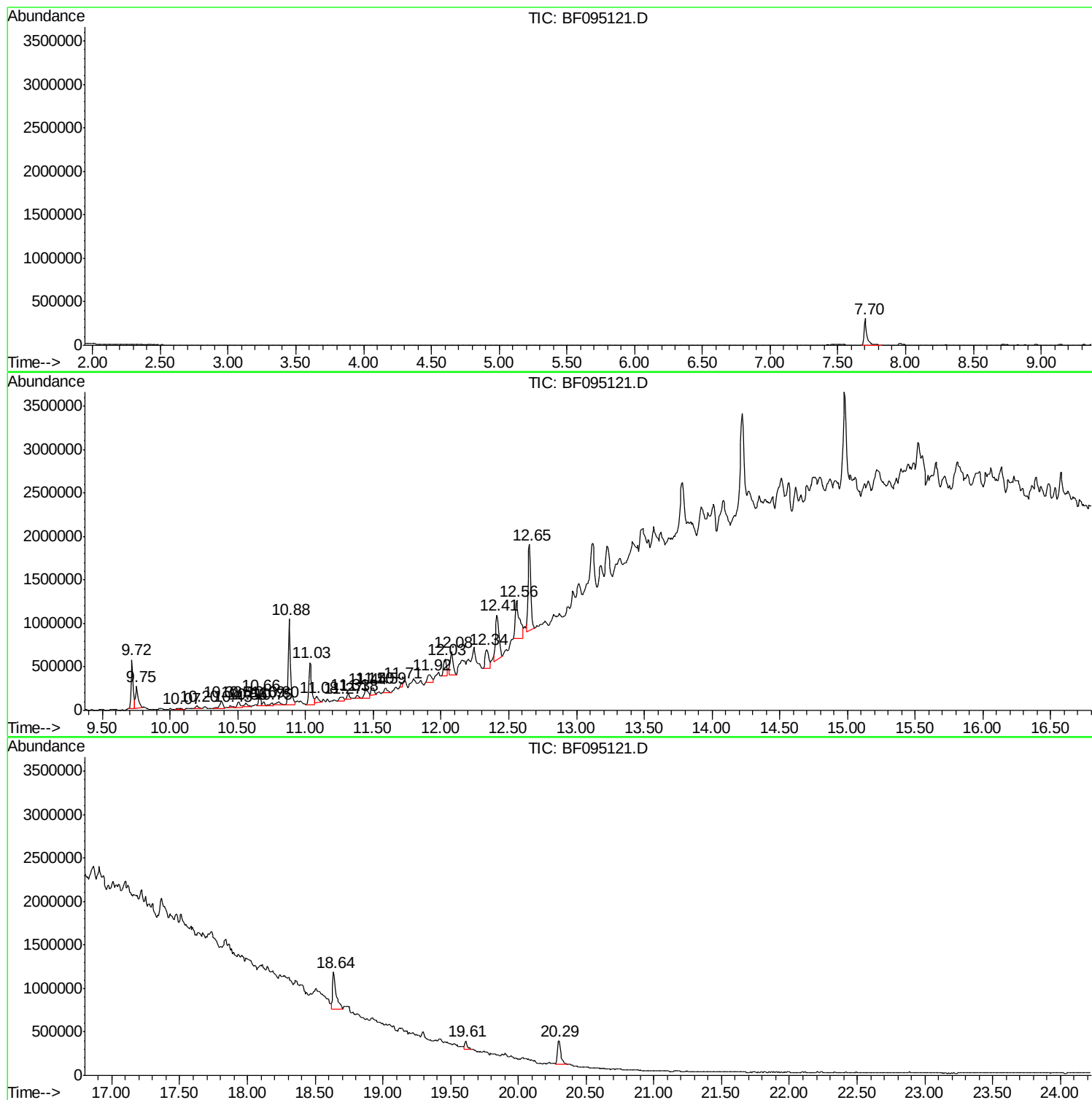
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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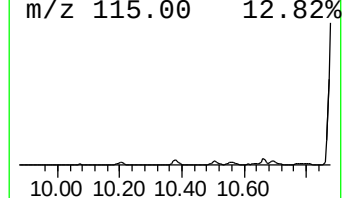
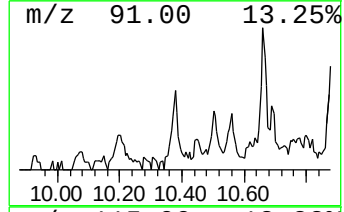
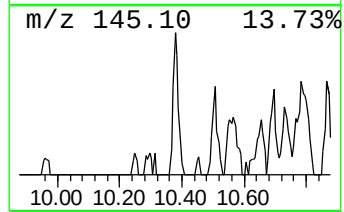
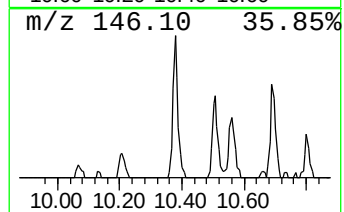
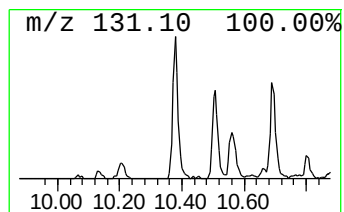
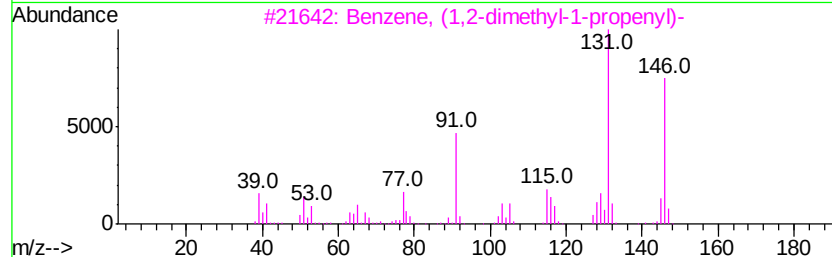
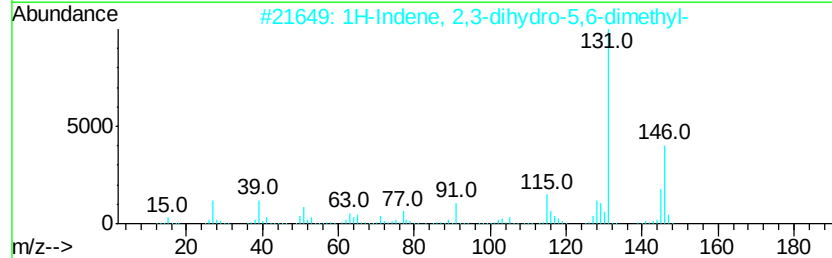
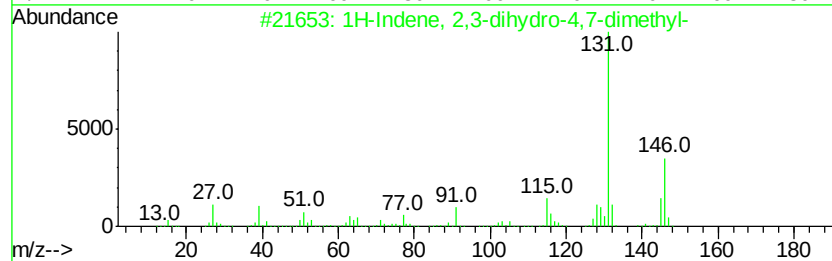
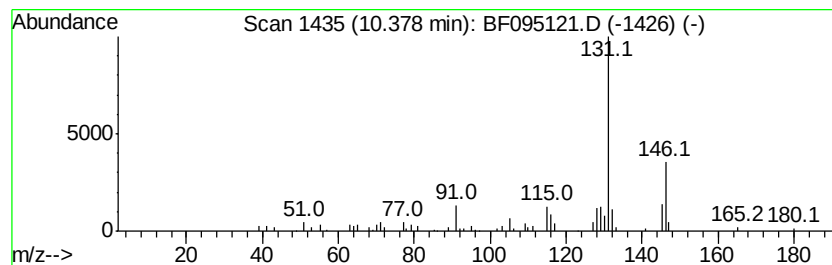
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.38	4.72 ng	149520	Napthalene-d8	9.72	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	95
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91



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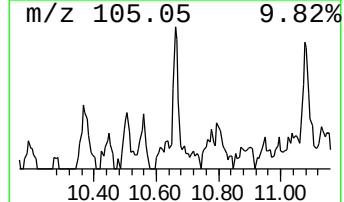
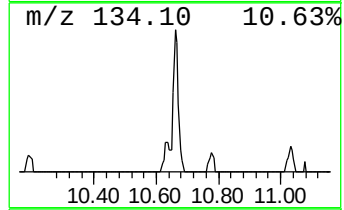
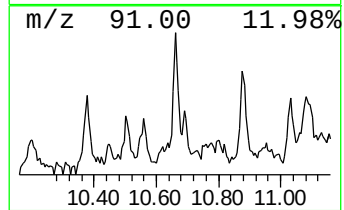
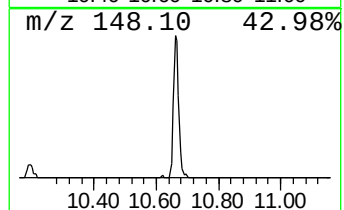
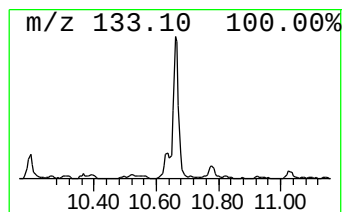
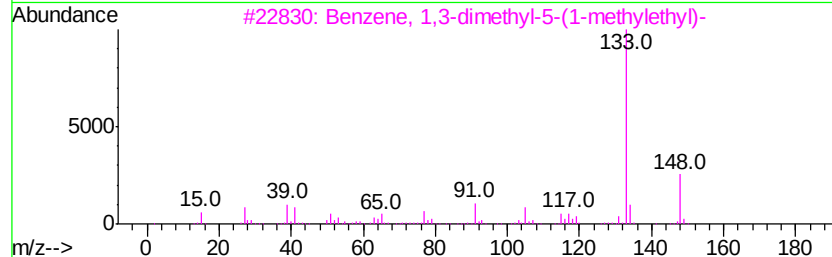
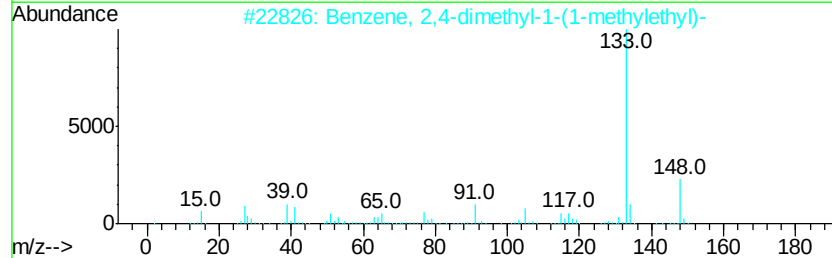
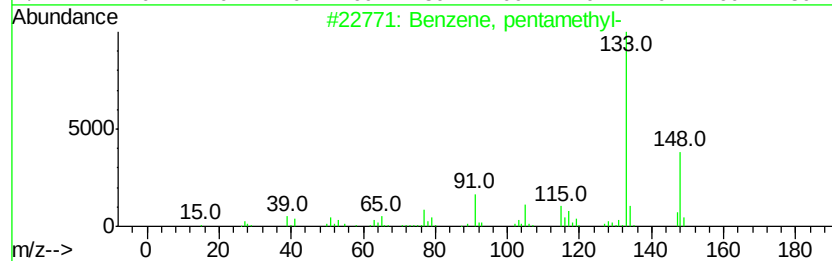
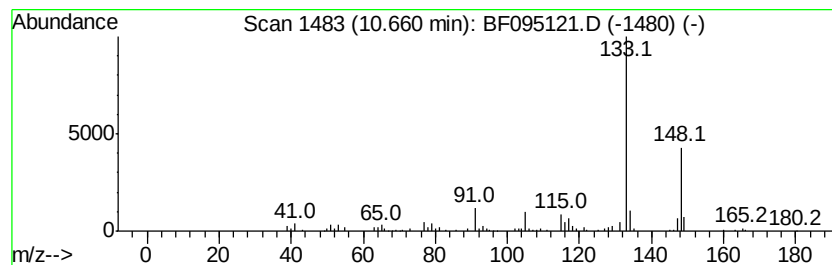
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, pentamethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	3.82 ng	121156	Naphthalene-d8	9.72
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, pentamethyl-	148 C11H16	000700-12-9 94
2		Benzene, 2,4-dimethyl-1-(1-methyl-...	148 C11H16	004706-89-2 91
3		Benzene, 1,3-dimethyl-5-(1-methyl-...	148 C11H16	004706-90-5 91
4		3,4-Dimethylcumene	148 C11H16	1000370-34-1 91
5		1,5,6,7-Tetramethylbicyclo[3.2.0...	148 C11H16	134329-46-7 91



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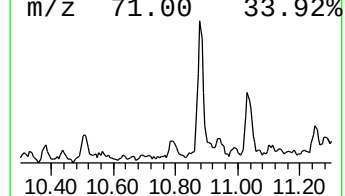
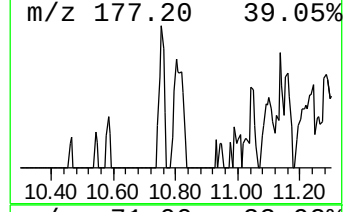
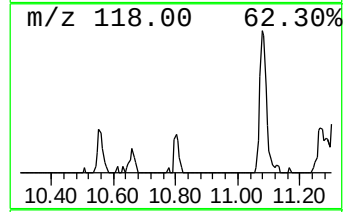
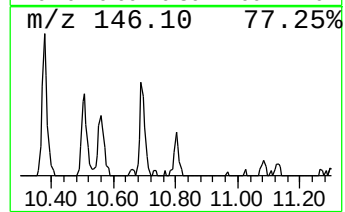
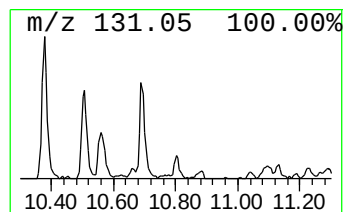
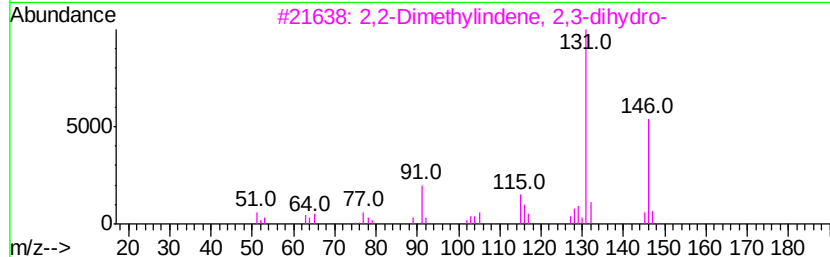
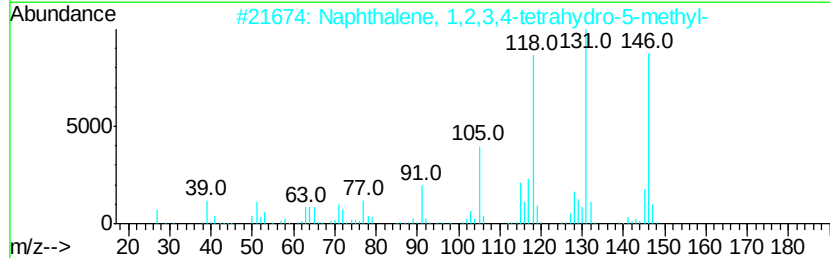
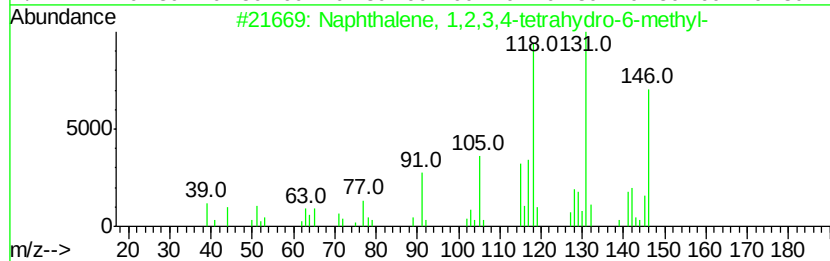
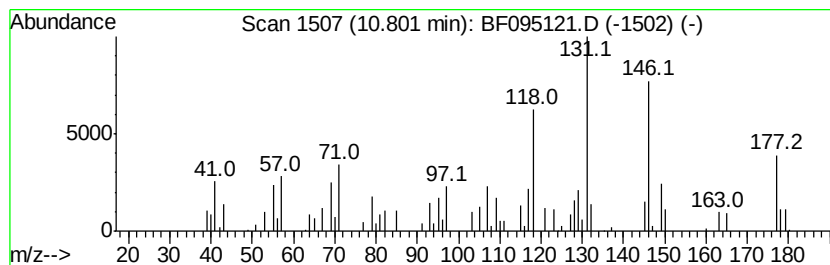
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown10.80 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	2.02 ng	64142	Naphthalene-d8	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	35
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	35
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	14
4		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	10
5		Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	021129-27-1	10



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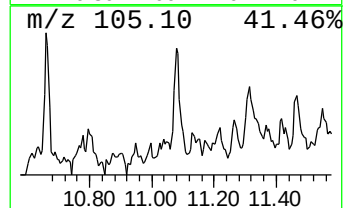
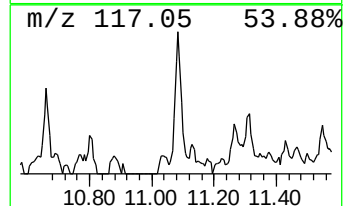
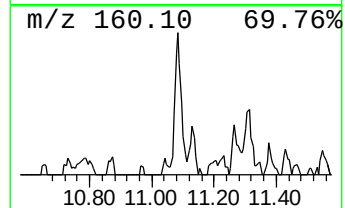
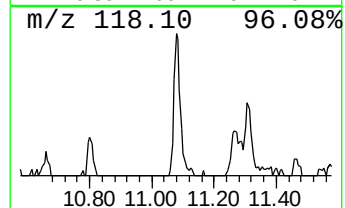
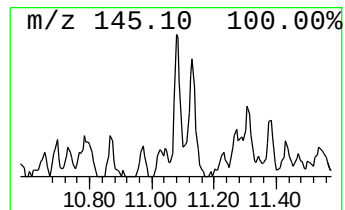
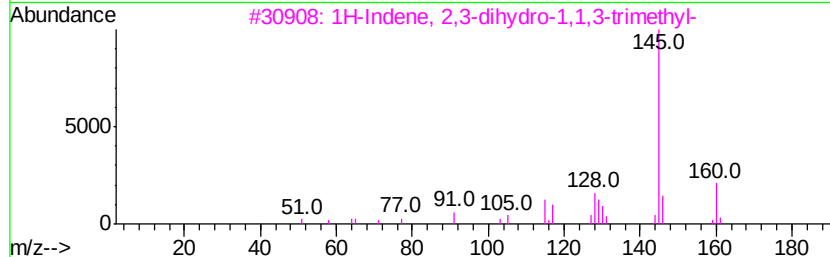
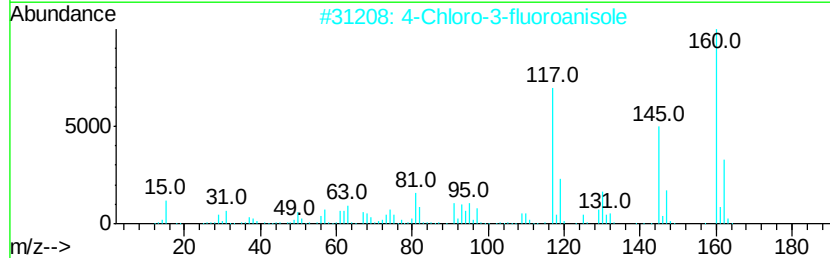
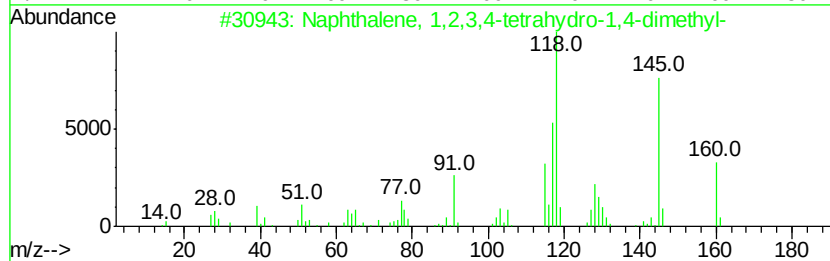
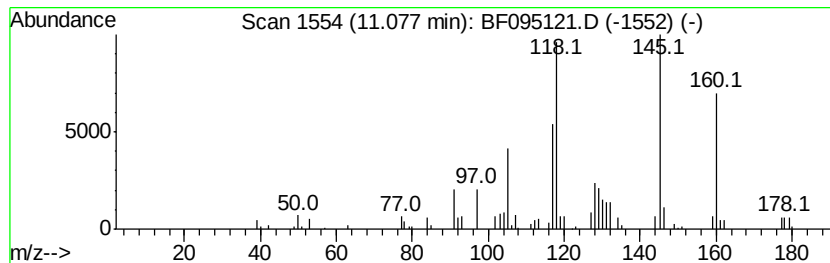
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,2,3,4-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	3.52 ng	111658	Naphthalene-d8	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	74
2		4-Chloro-3-fluoroanisole	160	C7H6ClFO	000501-29-1	50
3		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	49
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	46
5		2-Quinazolinamine	145	C8H7N3	001687-51-0	38



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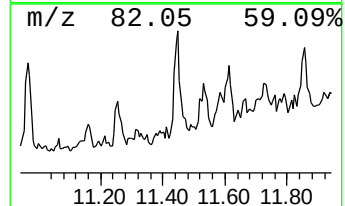
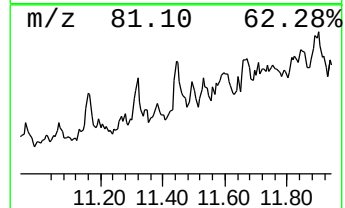
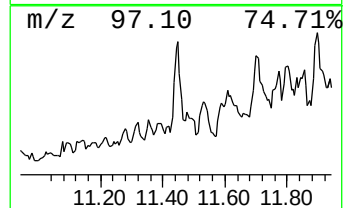
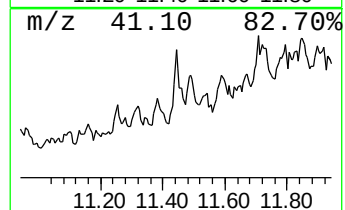
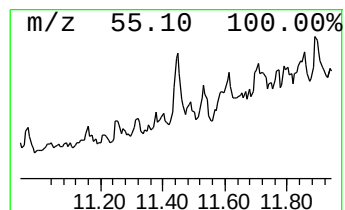
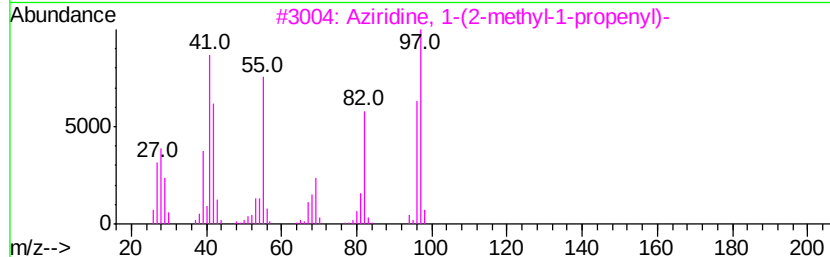
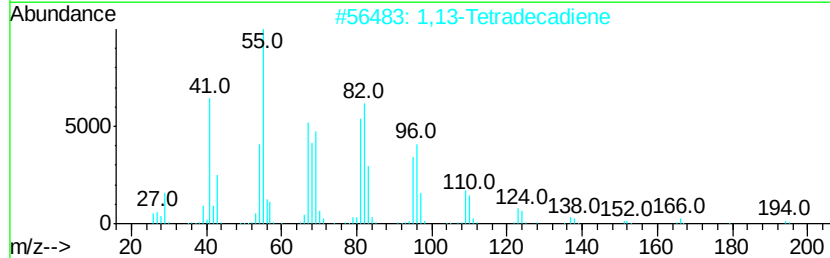
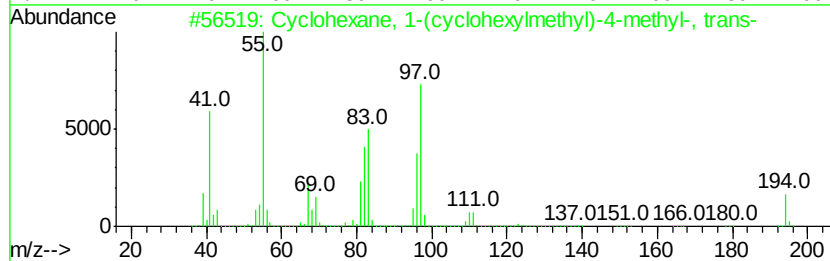
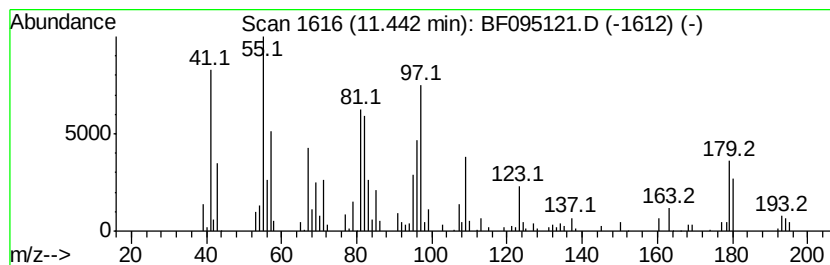
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown11.44 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.44	4.12 ng	208391	Acenaphthene-d10	12.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-(cyclohexylmethyl)-	194	C14H26	054823-98-2	47
2	1,13-Tetradecadiene	194	C14H26	021964-49-8	45
3	Aziridine, 1-(2-methyl-1-propenyl)-	97	C6H11N	080839-93-6	43
4	1,1'-Bicyclohexyl, 2-methyl-, trans-	180	C13H24	050991-09-8	38
5	1,1'-Bicyclohexyl, 2-methyl-, cis-	180	C13H24	050991-08-7	38



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ALS Vial : 14 Sample Multiplier: 1

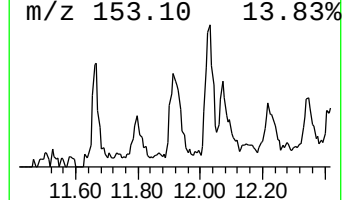
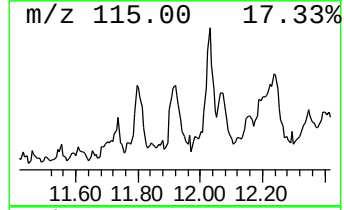
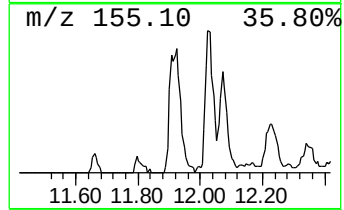
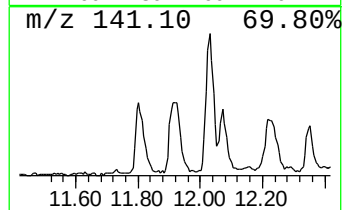
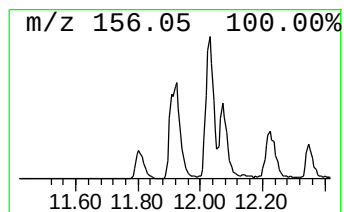
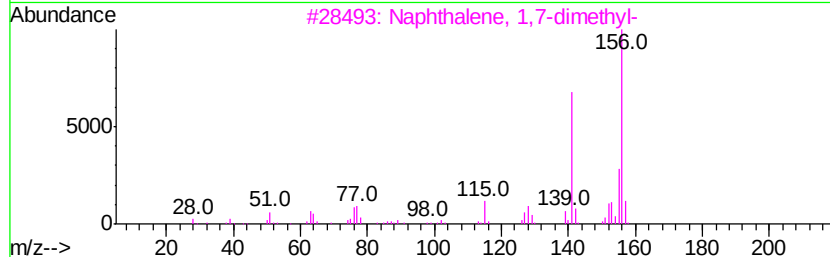
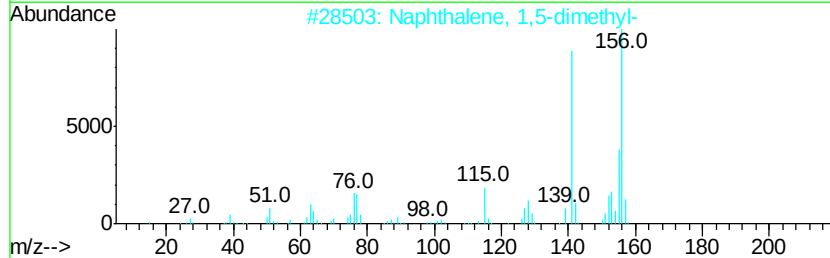
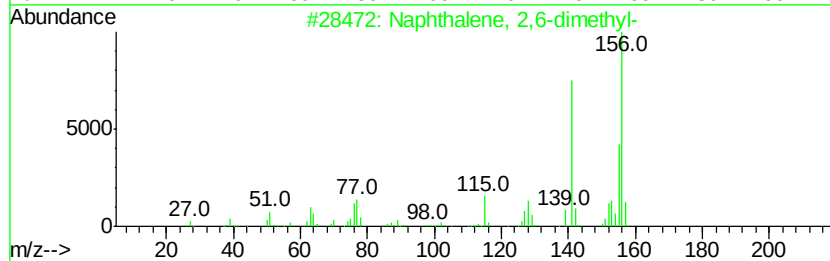
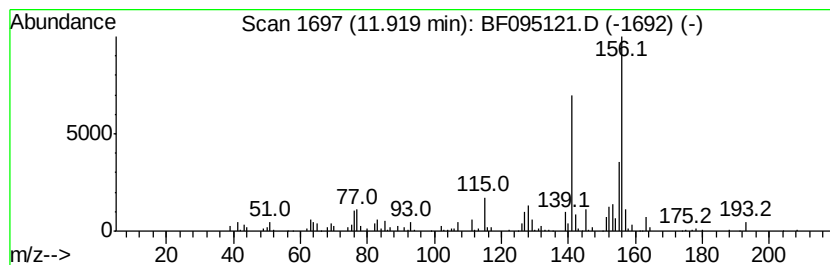
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.13 ng	209118	Acenaphthene-d10	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 96
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 96
4		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 95
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051217\
Data File : BF095121.D
Acq On : 12 May 2017 20:07
Operator : SJ/MA
Sample : I3124-01 5X
Misc :
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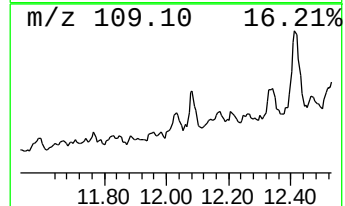
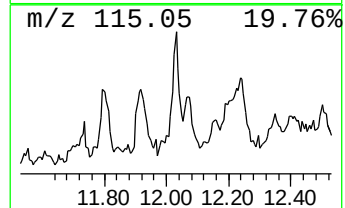
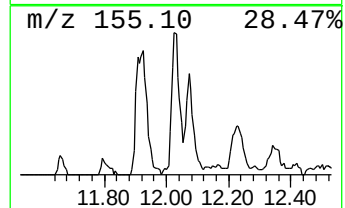
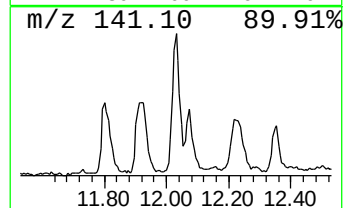
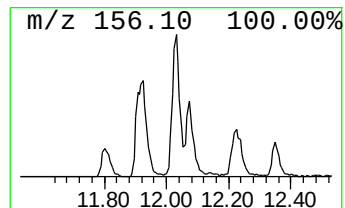
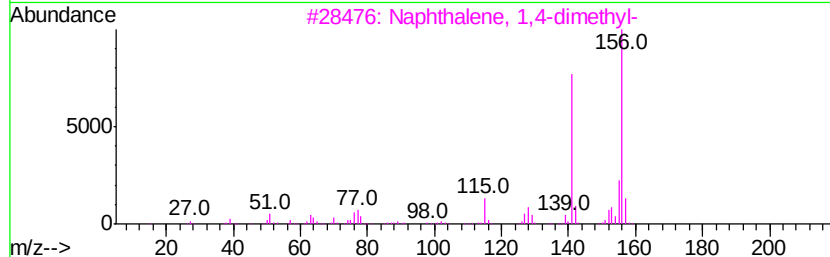
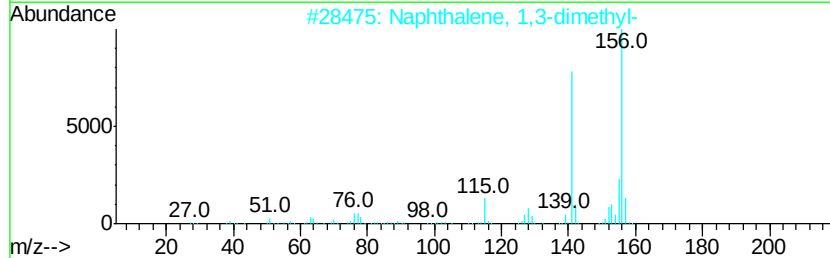
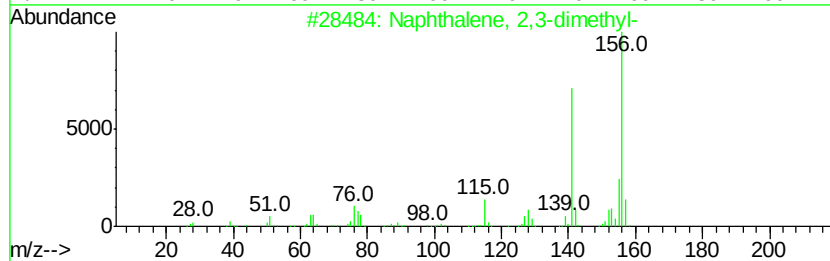
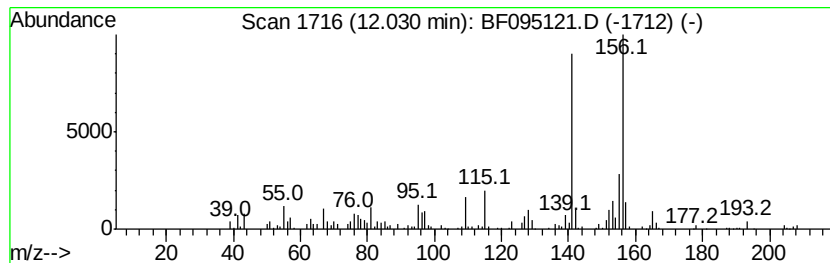
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.47 ng	277043	Acenaphthene-d10	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 95
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 95
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051217\
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Sample : I3124-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

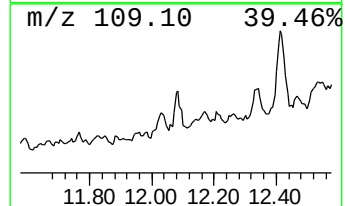
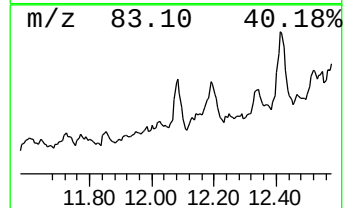
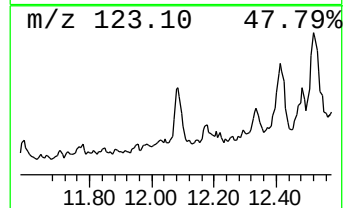
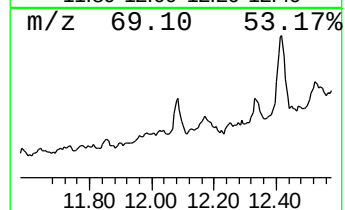
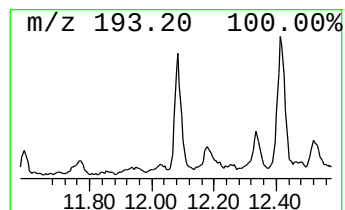
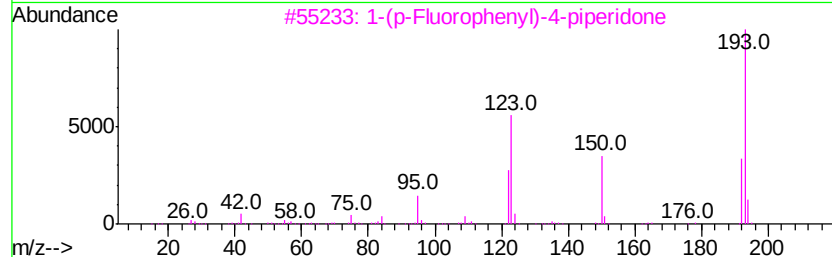
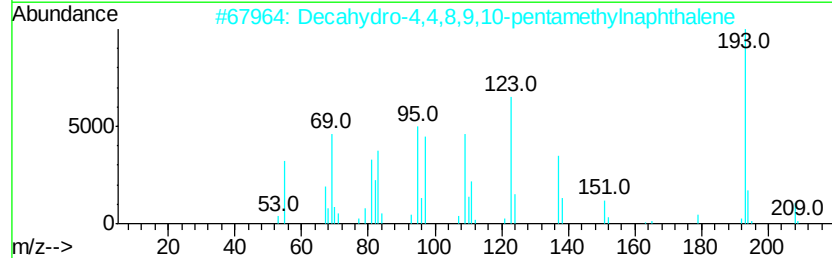
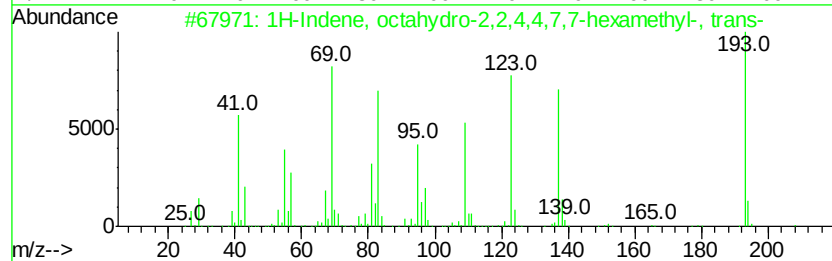
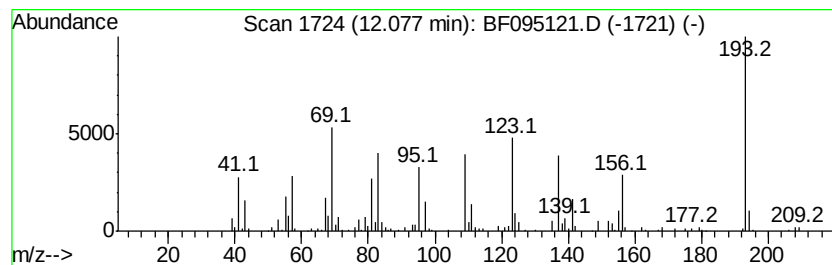
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1H-Indene, octahydro-2,2,4,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	8.22 ng	416078	Acenaphthene-d10	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Indene, octahydro-2,2,4,4,7,7...	208 C15H28	054832-83-6 50
2		Decahydro-4,4,8,9,10-pentamethyl...	208 C15H28	080655-44-3 38
3		1-(p-Fluorophenyl)-4-piperidone	193 C11H12FN0	1000238-56-7 35
4		Silane, chlorodiethylhexvloxy-	222 C10H23ClOSi	1000363-74-4 25
5		3,4-Diethoxy-N-(4,5,6,7-tetrahyd...	346 C18H22N2O3S	1000311-37-1 25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051217\
Data File : BF095121.D
Acq On : 12 May 2017 20:07
Operator : SJ/MA
Sample : I3124-01 5X
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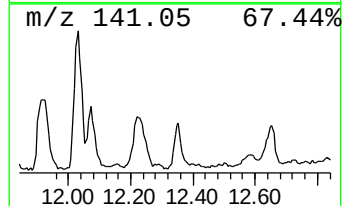
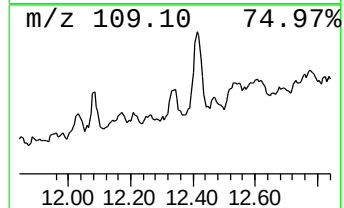
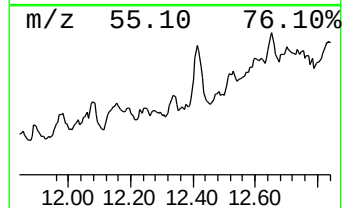
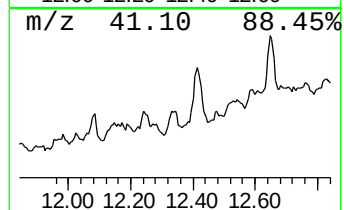
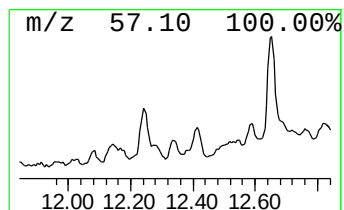
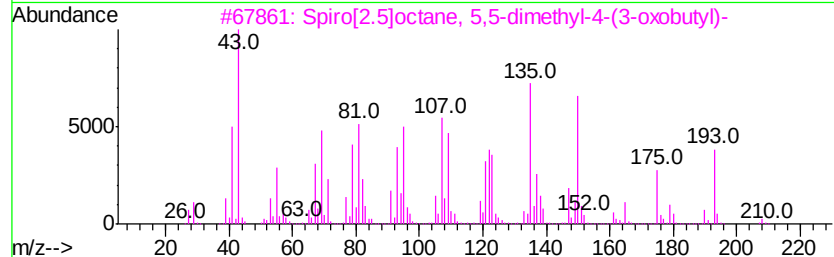
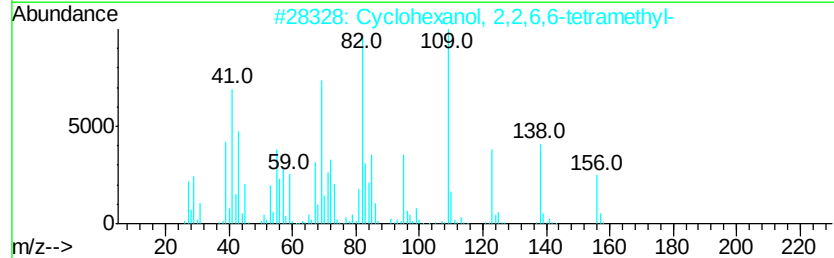
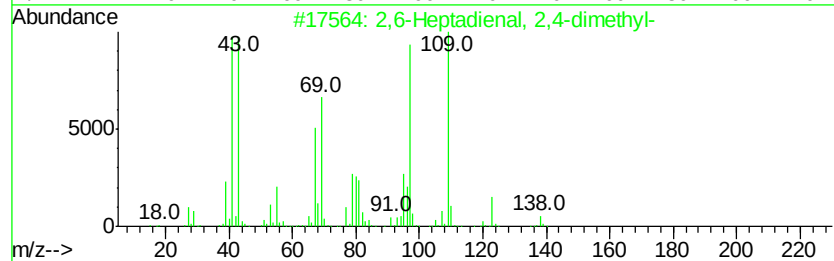
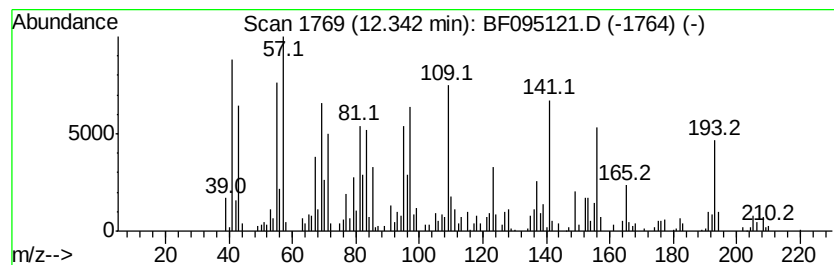
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 2,6-Heptadienal, 2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.34	8.24 ng	416868	Acenaphthene-d10	12.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	50
2	Cyclohexanol, 2,2,6,6-tetramethyl-	156	C10H20O	006948-41-0	38
3	Spiro[2.5]octane, 5,5-dimethyl-4...	208	C14H24O	077143-32-9	38
4	3-Methyl-2-(2-oxopropyl)furan	138	C8H10O2	087773-62-4	30
5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051217\
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Sample : I3124-01 5X
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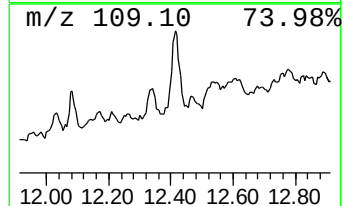
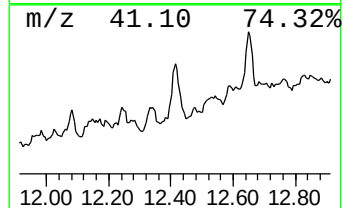
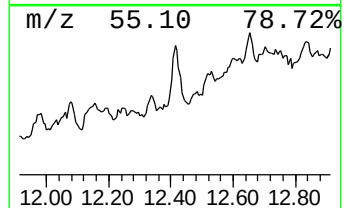
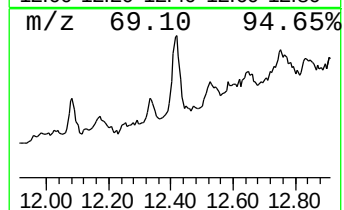
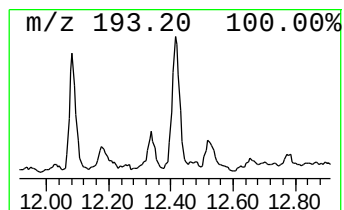
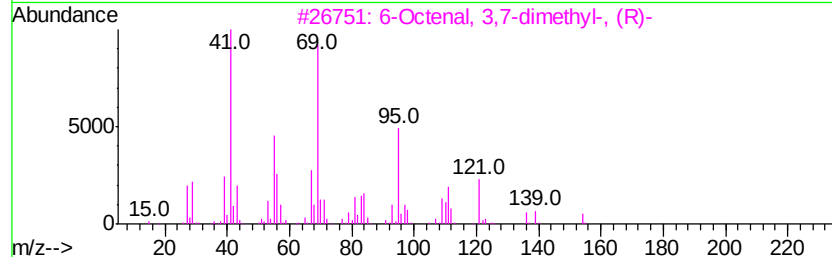
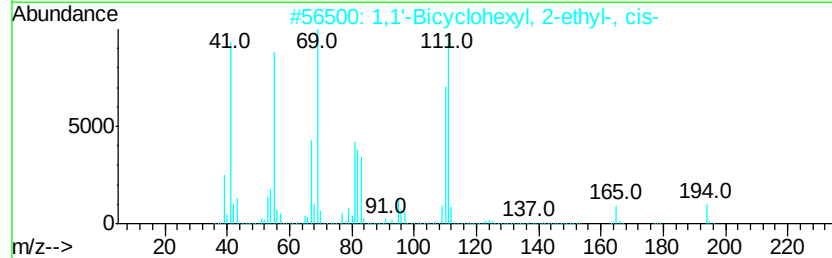
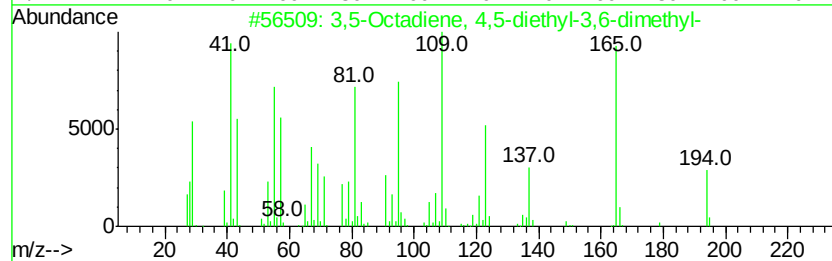
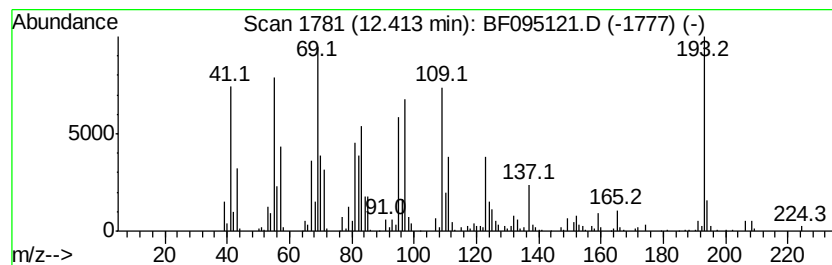
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown12.41 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.41	17.79 ng	900556	Acenaphthene-d10	12.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadiene, 4,5-diethyl-3,6-d...	194	C14H26	061233-79-2	42
2	1,1'-Bicyclohexyl, 2-ethyl-, cis-	194	C14H26	050991-12-3	25
3	6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	22
4	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	15
5	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051217\
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Sample : I3124-01 5X
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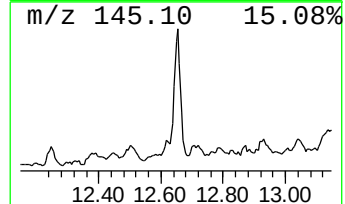
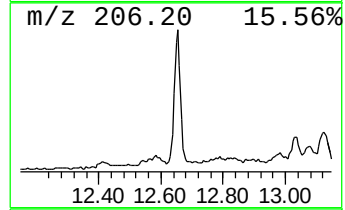
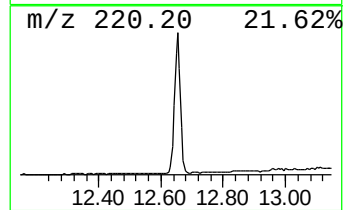
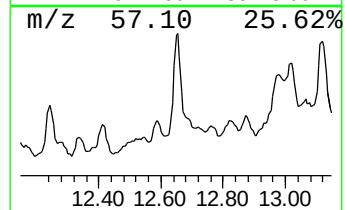
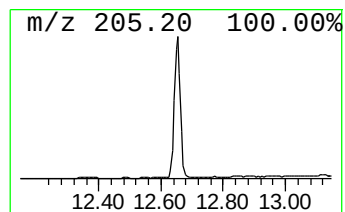
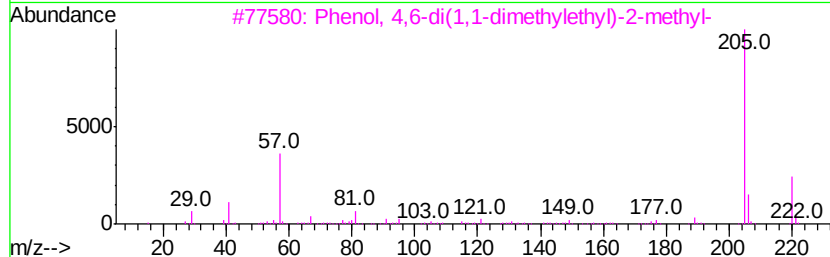
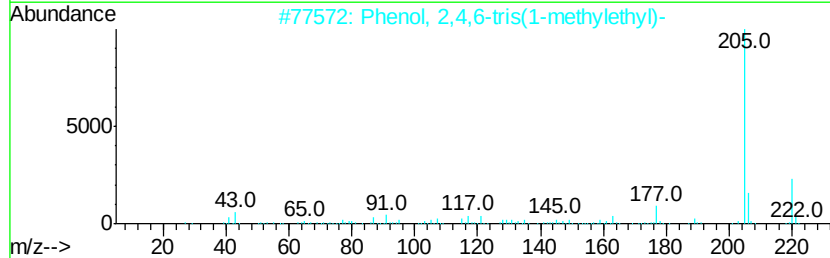
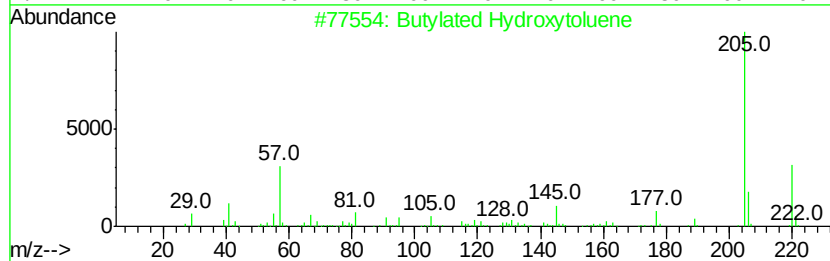
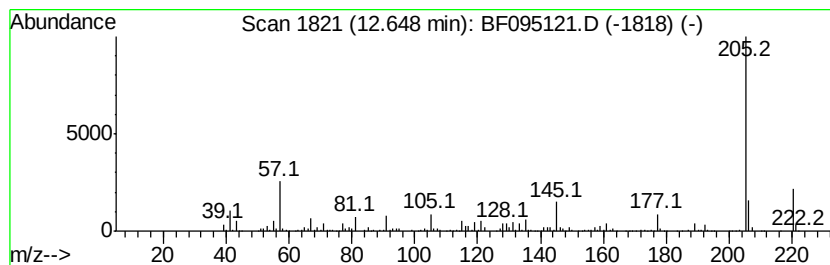
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Butylated Hydroxytoluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	28.30 ng	1432060	Acenaphthene-d10	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Butylated Hydroxytoluene	220 C15H24O	000128-37-0 97
2		Phenol, 2,4,6-tris(1-methylethyl)-	220 C15H24O	002934-07-8 90
3		Phenol, 4,6-di(1,1-dimethylethyl)-	220 C15H24O	000616-55-7 81
4		Propanoic acid, 2-methyl-3-[4-t-...	220 C14H20O2	1000131-87-0 80
5		Phenol, 2,6-bis(1,1-dimethylethyl)-	277 C17H27NO2	001918-11-2 59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051217\
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Acq On : 12 May 2017 20:07
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Sample : I3124-01 5X
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ALS Vial : 14 Sample Multiplier: 1

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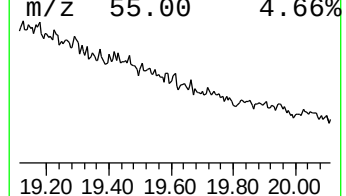
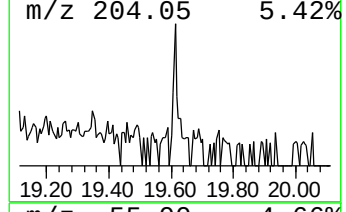
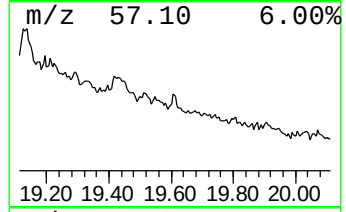
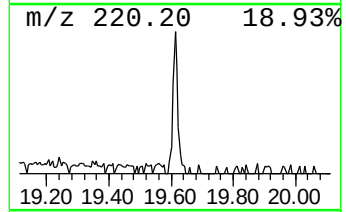
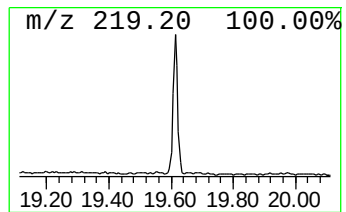
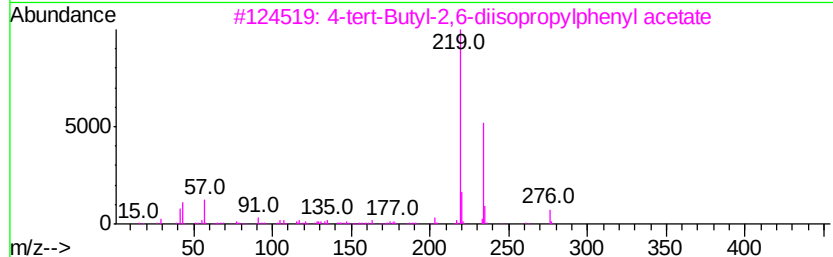
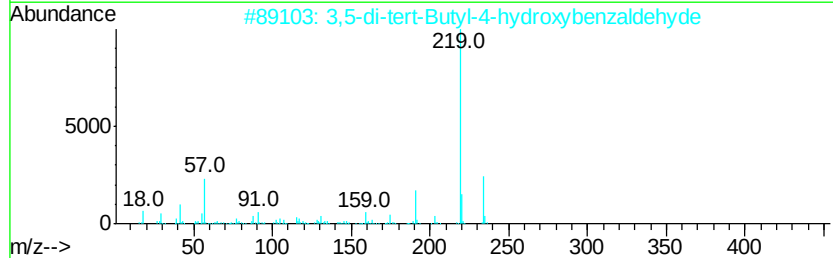
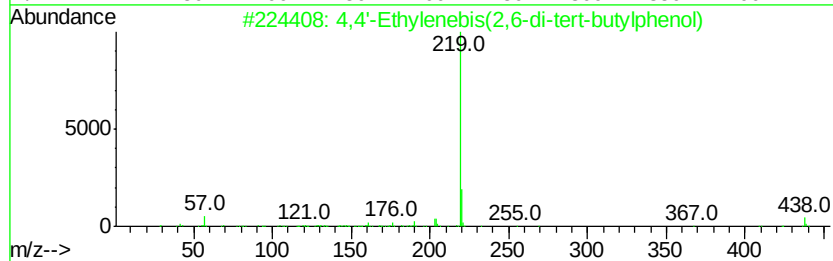
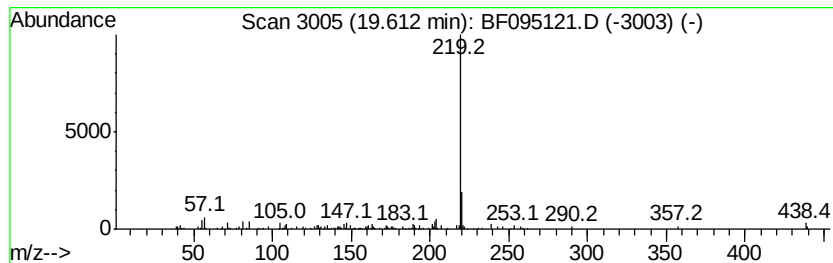
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 4,4'-Ethylenebis(2,6-di-ter... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	5.01 ng	115689	Perylene-d12	20.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,4'-Ethylenebis(2,6-di-tert-but...	438	C30H46O2	001516-94-5	90
2			3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	64
3			4-tert-Butyl-2,6-diisopropylphen...	276	C18H28O2	1000236-32-0	64
4			3,5-Di-tert-butylbenzoic acid	234	C15H22O2	016225-26-6	64
5			Propanoic acid, 2-(1,3-dioxo-2,3...	249	C12H11NO5	1000196-70-9	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051217\
Data File : BF095121.D
Acq On : 12 May 2017 20:07
Operator : SJ/MA
Sample : I3124-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C91516-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1H-Indene, 2,3-di...	10.38	4.7	ng	149520	2	9.72	633865	20.0
Benzene, pentamet...	10.66	3.8	ng	121156	2	9.72	633865	20.0
unknown10.80	10.80	2.0	ng	64142	2	9.72	633865	20.0
Naphthalene, 1,2,...	11.08	3.5	ng	111658	2	9.72	633865	20.0
unknown11.44	11.44	4.1	ng	208391	3	12.55	1012210	20.0
Naphthalene, 2,6-...	11.92	4.1	ng	209118	3	12.55	1012210	20.0
Naphthalene, 2,3-...	12.03	5.5	ng	277043	3	12.55	1012210	20.0
1H-Indene, octahy...	12.08	8.2	ng	416078	3	12.55	1012210	20.0
2,6-Heptadienal, ...	12.34	8.2	ng	416868	3	12.55	1012210	20.0
unknown12.41	12.41	17.8	ng	900556	3	12.55	1012210	20.0
Butylated Hydroxy...	12.65	28.3	ng	1432060	3	12.55	1012210	20.0
4,4'-Ethylenebis(...	19.61	5.0	ng	115689	6	20.30	461418	20.0