

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094691.D
 Acq On : 28 Apr 2017 18:44
 Operator : SJ/MA
 Sample : I2870-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(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-BF041717.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	3.013	171	183	186	rBV	7342369	16433151	47.75%	16.171%
2	3.937	336	340	347	rBV	384002	423553	1.23%	0.417%
3	4.013	347	353	356	rBV	3368702	3849716	11.19%	3.788%
4	4.343	405	409	431	rBV	1707293	2582735	7.50%	2.542%
5	5.407	586	590	607	rBV	1913681	2539826	7.38%	2.499%
6	5.531	607	611	617	rVB	2518487	2610544	7.59%	2.569%
7	5.766	648	651	653	rVV	550973	542251	1.58%	0.534%
8	5.790	653	655	661	rVB	624226	512149	1.49%	0.504%
9	5.860	664	667	676	rVV	457607	456107	1.33%	0.449%
10	5.948	676	682	690	rVB	2069088	2139180	6.22%	2.105%
11	6.419	757	762	765	rBV	1576743	1520212	4.42%	1.496%
12	7.260	901	905	908	rVV	768329	683260	1.99%	0.672%
13	8.513	1113	1118	1122	rBV	455078	402062	1.17%	0.396%
14	8.584	1125	1130	1133	rVV	2661069	2457083	7.14%	2.418%
15	8.842	1170	1174	1179	rVB	592953	601819	1.75%	0.592%
16	8.948	1188	1192	1196	rBV	650200	633087	1.84%	0.623%
17	9.231	1234	1240	1243	rBV2	877569	963838	2.80%	0.948%
18	9.395	1261	1268	1272	rBV2	747735	800404	2.33%	0.788%
19	10.072	1379	1383	1388	rVB	573797	575974	1.67%	0.567%
20	10.378	1430	1435	1441	rBV	1203778	1373633	3.99%	1.352%
21	10.795	1484	1506	1509	rBV7	5663973	34414178	100.00%	33.865%
22	11.007	1536	1542	1550	rBV	3709137	7419780	21.56%	7.301%
23	11.072	1550	1553	1557	rVB	392542	410582	1.19%	0.404%
24	11.236	1577	1581	1583	rBV	539207	600766	1.75%	0.591%
25	11.272	1583	1587	1590	rVV	2133341	2220511	6.45%	2.185%
26	11.325	1590	1596	1600	rVV	663205	638531	1.86%	0.628%
27	11.372	1600	1604	1610	rVV2	371978	458322	1.33%	0.451%
28	11.466	1616	1620	1628	rVV	413705	521081	1.51%	0.513%
29	11.960	1697	1704	1705	rVV2	353681	491397	1.43%	0.484%
30	11.977	1705	1707	1711	rVV2	453740	560595	1.63%	0.552%
31	12.719	1828	1833	1837	rBV	2030029	2200463	6.39%	2.165%
32	12.995	1874	1880	1883	rVB	1692488	1986373	5.77%	1.955%
33	13.195	1909	1914	1920	rBV	1534596	1796850	5.22%	1.768%
34	14.466	2125	2130	2134	rBV2	937982	1479484	4.30%	1.456%

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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	14.507	2134	2137	2146	rVB	768597	970168	2.82%	0.955%
36	14.936	2207	2210	2218	rVB2	551993	688890	2.00%	0.678%
37	15.707	2336	2341	2343	rBV	639787	884658	2.57%	0.871%
38	15.989	2386	2389	2393	rBV	369122	429268	1.25%	0.422%
39	16.048	2395	2399	2405	rVV	524975	589605	1.71%	0.580%
40	16.107	2405	2409	2411	rBV	316069	357392	1.04%	0.352%
41	17.395	2623	2628	2636	rVB2	216584	402445	1.17%	0.396%

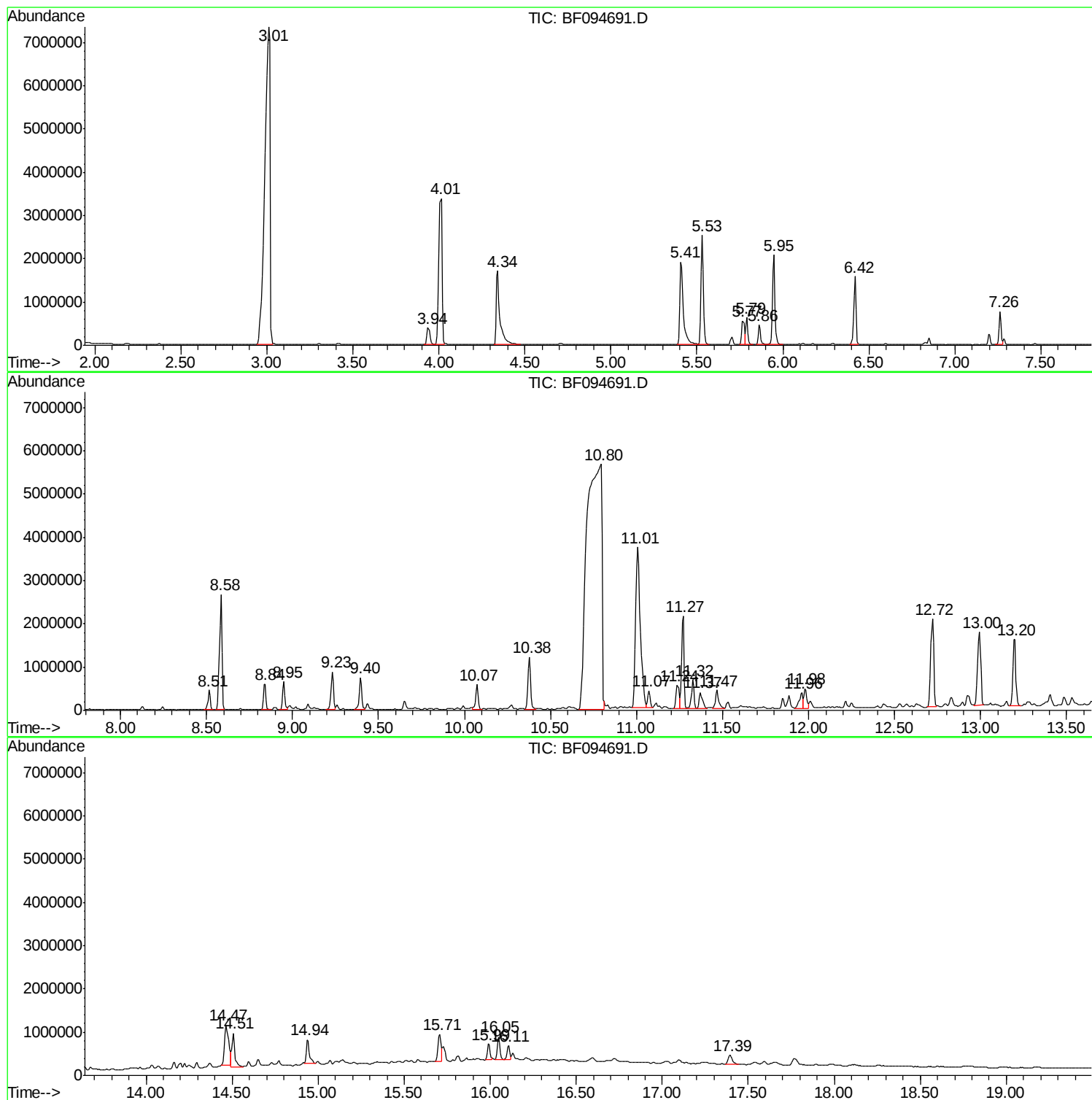
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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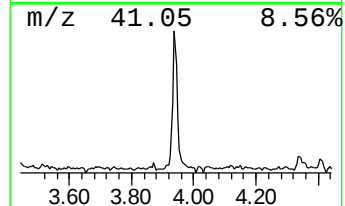
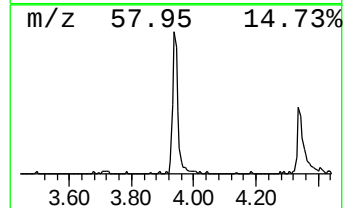
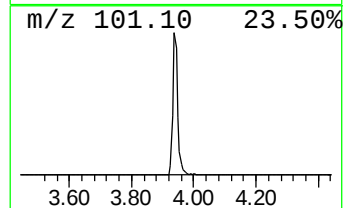
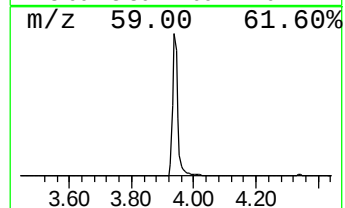
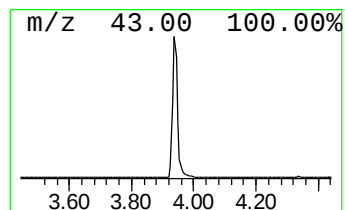
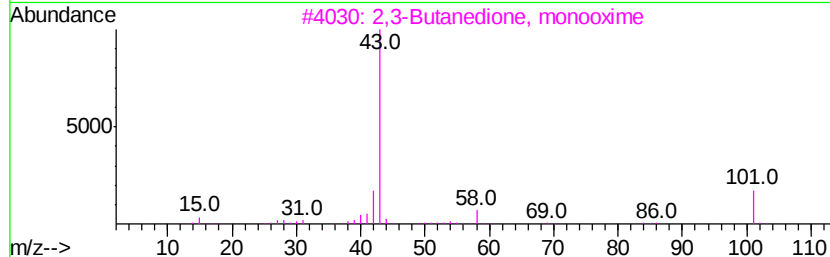
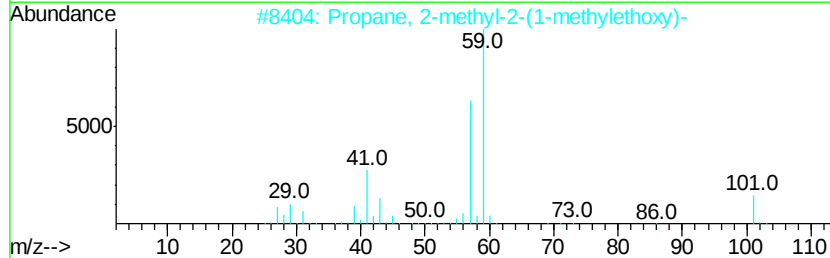
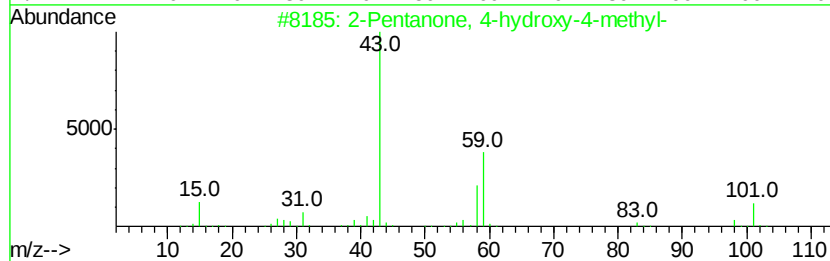
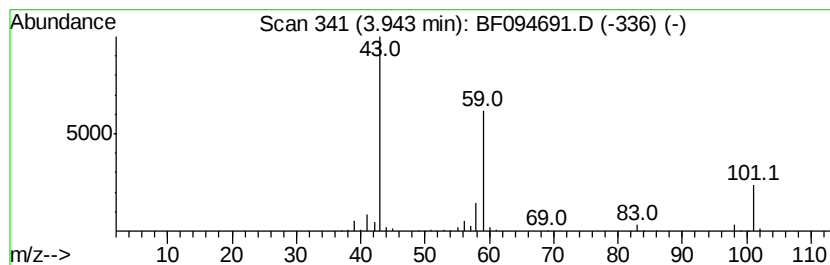
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.94	15.62 ng	423553	1,4-Dichlorobenzene-d4	5.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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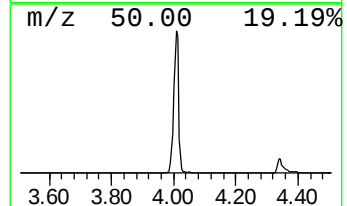
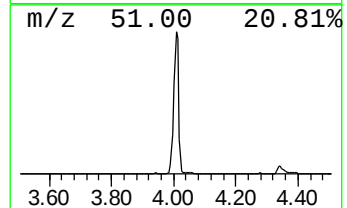
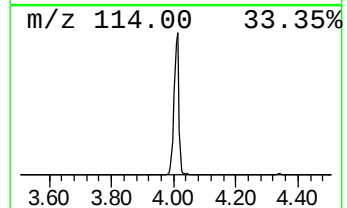
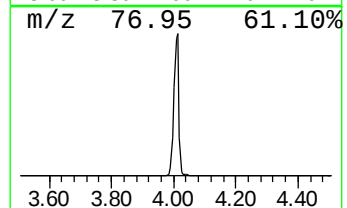
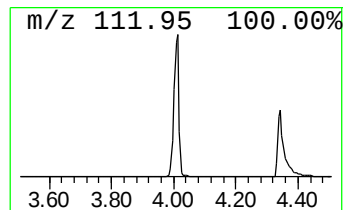
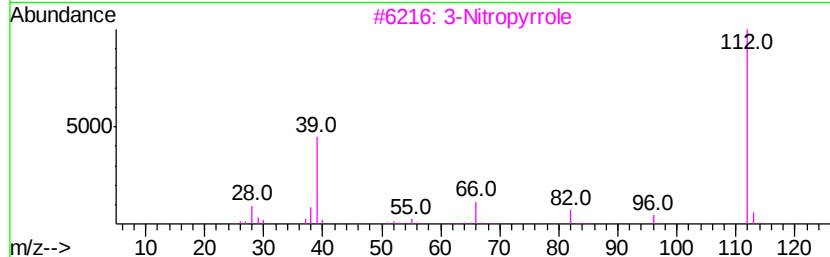
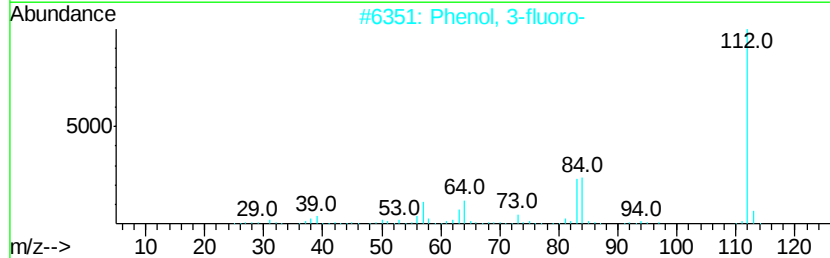
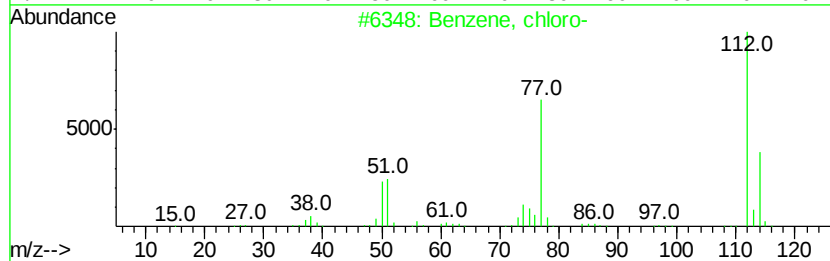
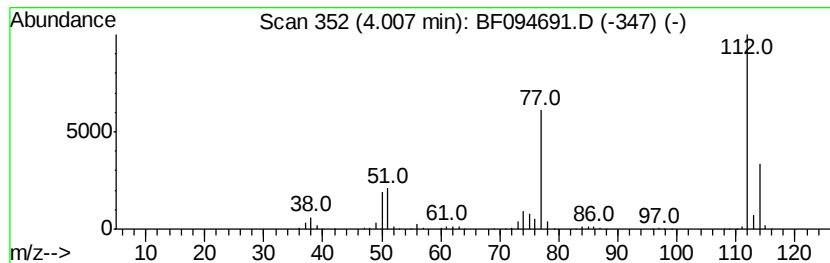
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Benzene, chloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	141.99 ng	3849720	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, chloro-	112	C6H5Cl	000108-90-7	96
2		Phenol, 3-fluoro-	112	C6H5FO	000372-20-3	17
3		3-Nitropyrrole	112	C4H4N2O2	005930-94-9	9
4		Cevane-3,4,6,7,14,15,16,20-octol...	793	C41H63NO14	000143-57-7	9
5		N-(4-Iodo-2-methyl-phenyl)-2-(4-...	372	C15H21IN2O	247592-54-7	9



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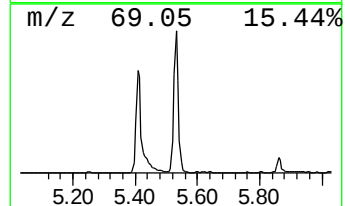
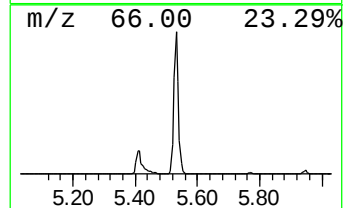
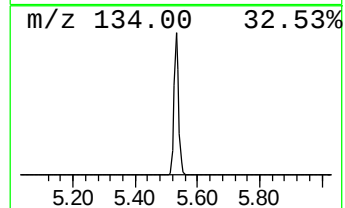
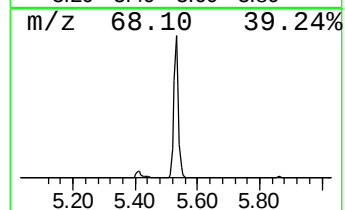
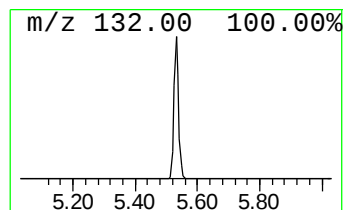
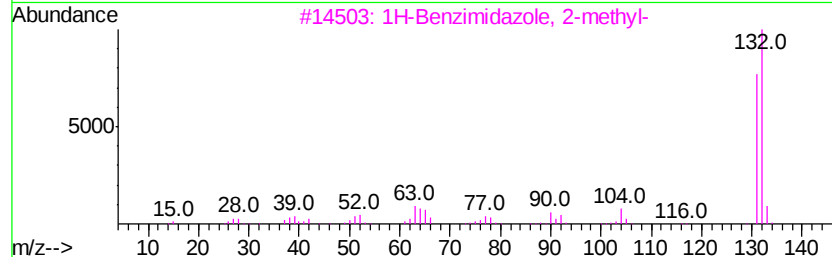
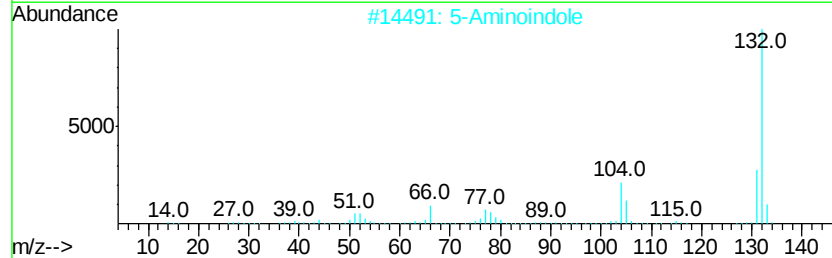
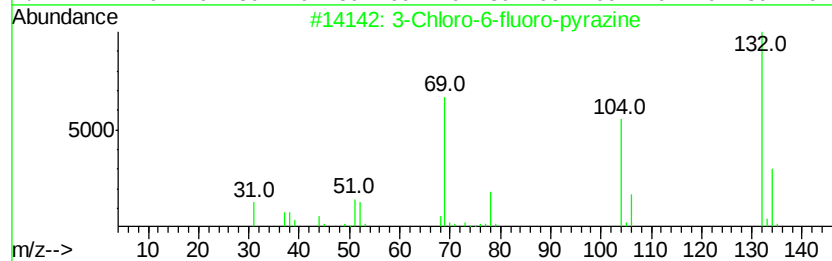
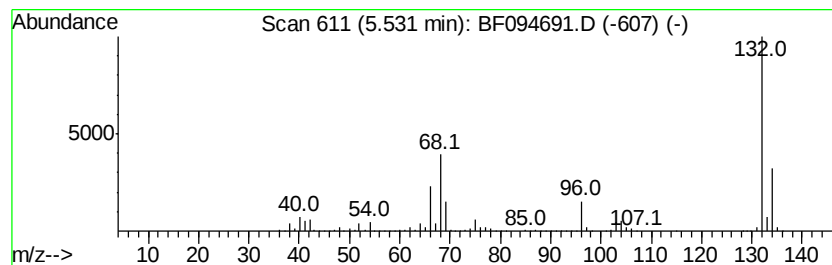
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown5.53 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	96.29 ng	2610540	1,4-Dichlorobenzene-d4	5.77

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		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



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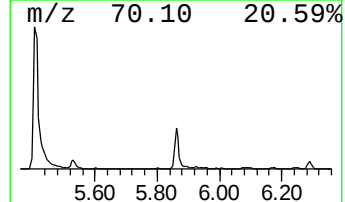
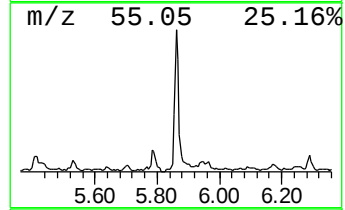
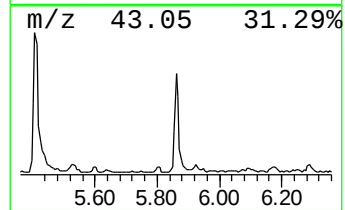
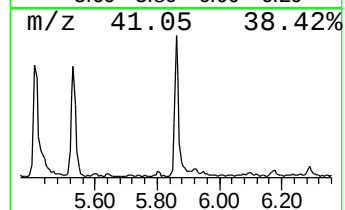
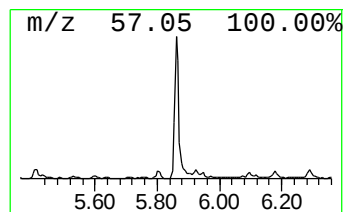
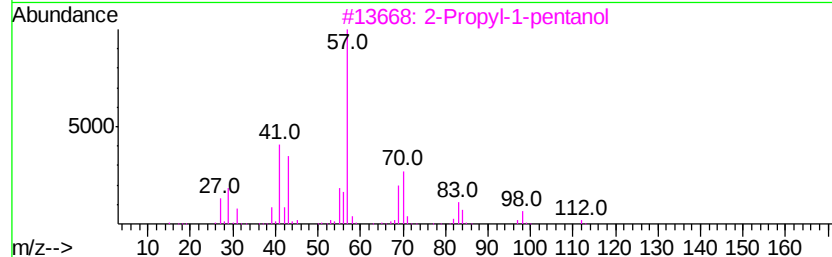
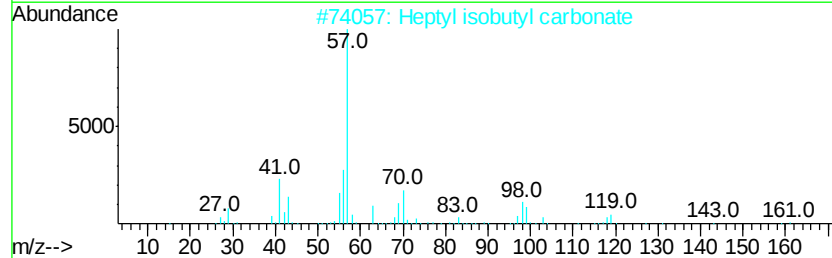
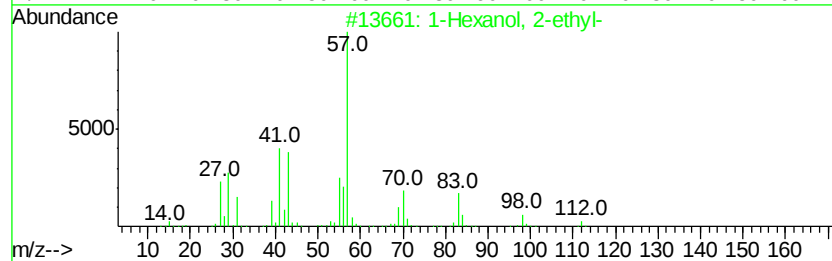
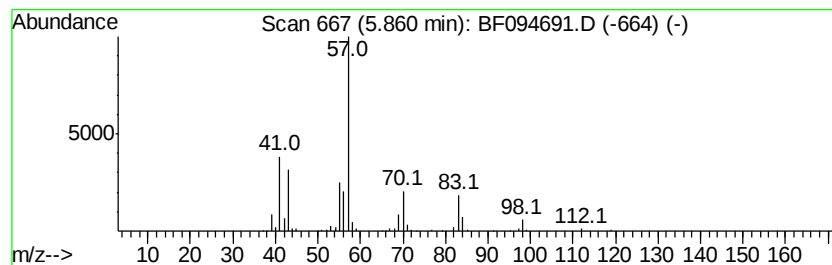
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Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.86	16.82 ng	456107	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2		Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	53
3		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	53
4		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	45
5		1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	45



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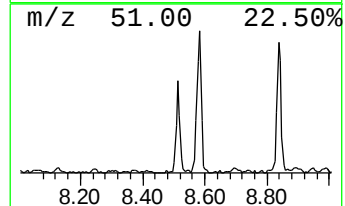
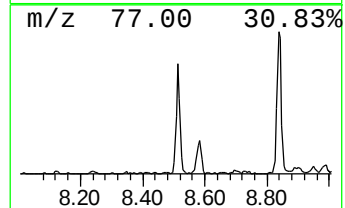
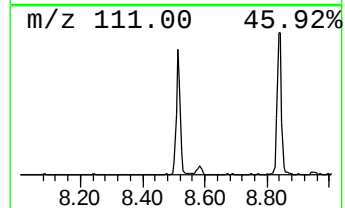
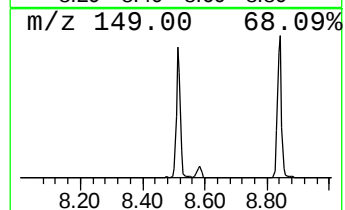
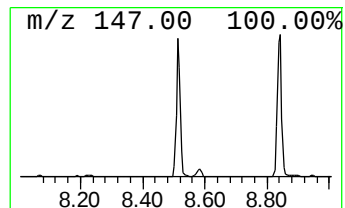
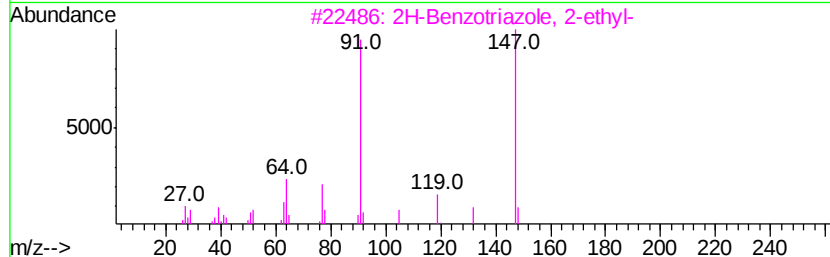
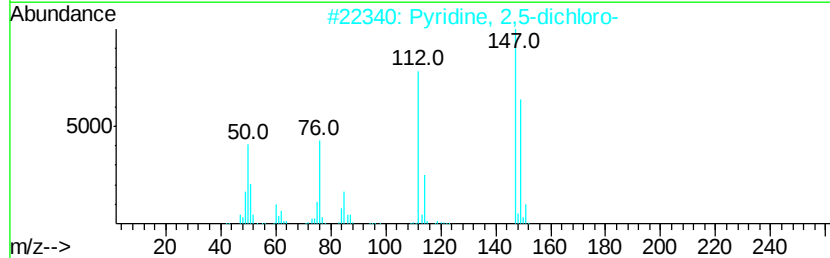
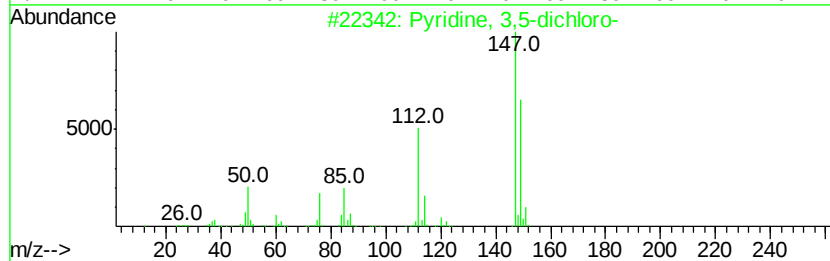
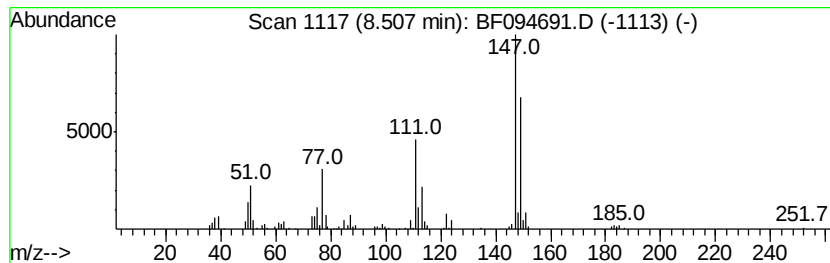
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Pyridine, 3,5-dichloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	10.05 ng	402062	Acenaphthene-d10	9.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyridine, 3,5-dichloro-	147 C5H3Cl2N	002457-47-8 60
2		Pyridine, 2,5-dichloro-	147 C5H3Cl2N	016110-09-1 37
3		2H-Benzotriazole, 2-ethyl-	147 C8H9N3	016584-04-6 27
4		2,5-Dimethylbenzoxazole	147 C9H9NO	005676-58-4 25
5		Benzenebutanoic acid, .alpha.,.g...	220 C12H12O4	006296-54-4 25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
Data File : BF094691.D
Acq On : 28 Apr 2017 18:44
Operator : SJ/MA
Sample : I2870-01
Misc :
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ClientSampleId :
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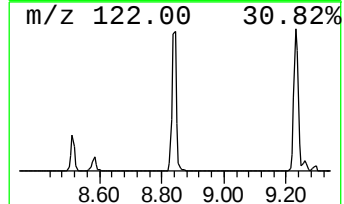
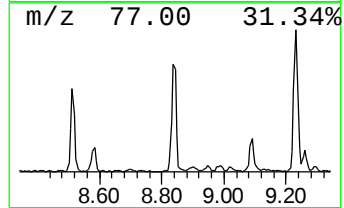
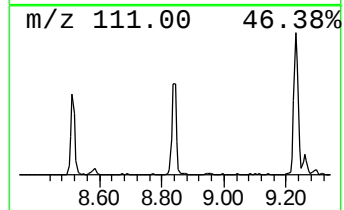
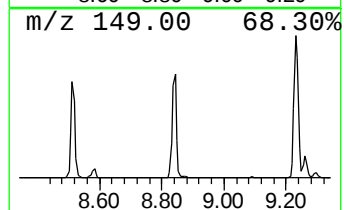
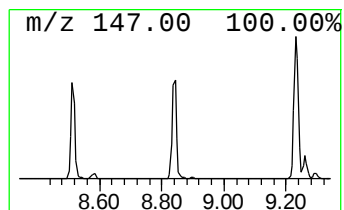
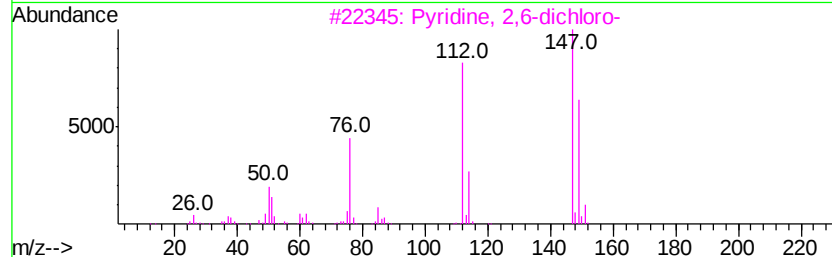
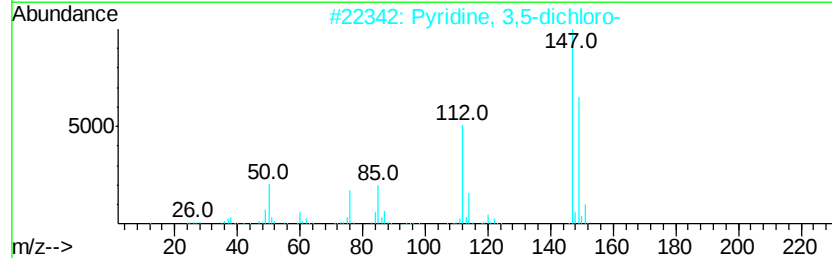
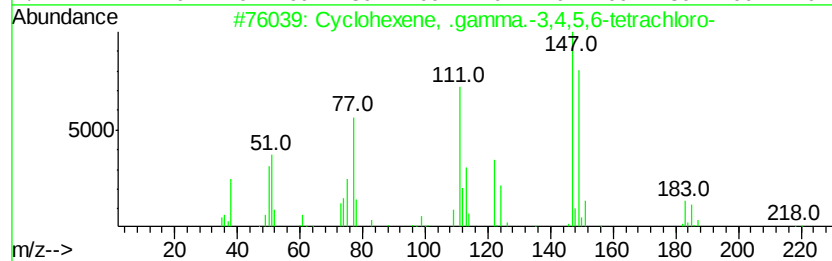
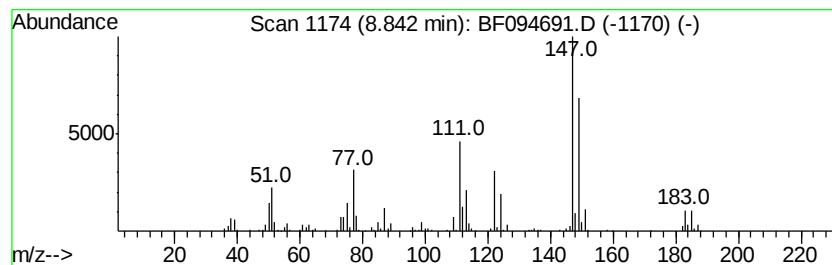
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclohexene, .gamma.-3,4,5,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	15.04 ng	601819	Acenaphthene-d10	9.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, .gamma.-3,4,5,6-tet...	218	C6H6Cl4	000319-81-3	72
2		Pyridine, 3,5-dichloro-	147	C5H3Cl2N	002457-47-8	49
3		Pyridine, 2,6-dichloro-	147	C5H3Cl2N	002402-78-0	49
4		2H-Indazol-3-amine, 2-methyl-	147	C8H9N3	097990-19-7	22
5		3,4-Dichloropyridine	147	C5H3Cl2N	1000305-88-9	22



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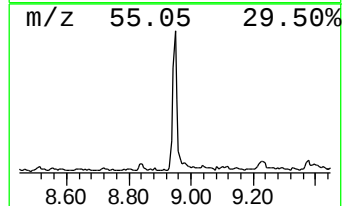
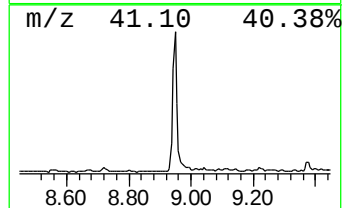
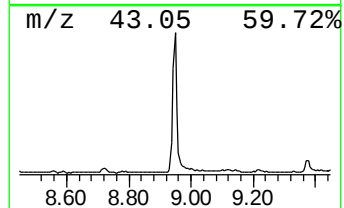
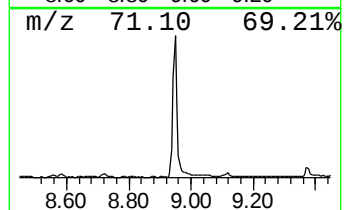
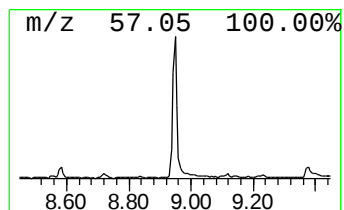
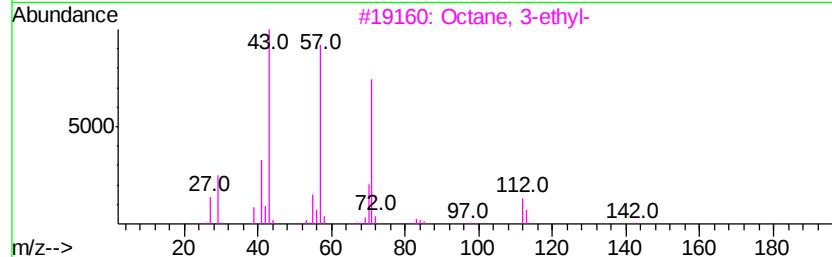
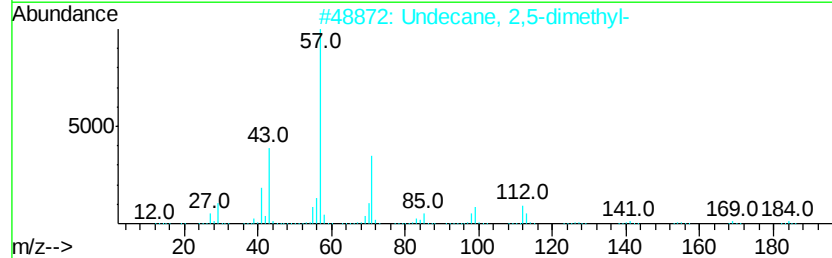
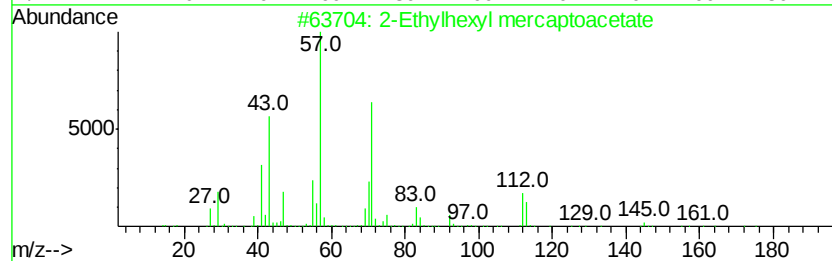
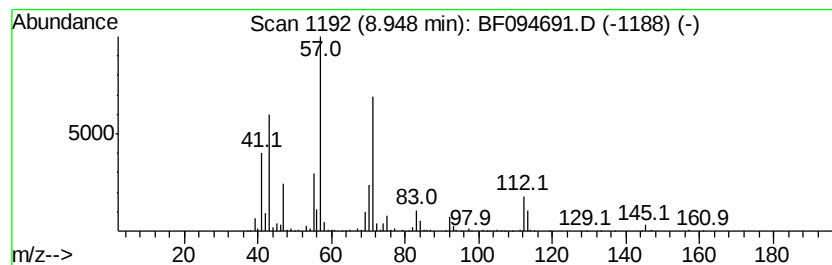
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2-Ethylhexyl mercaptoacetate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	15.82 ng	633087	Acenaphthene-d10	9.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	87
2		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
3		Octane, 3-ethyl-	142	C10H22	005881-17-4	59
4		Decane, 4-methyl-	156	C11H24	002847-72-5	53
5		Oxalic acid, 2-ethylhexyl isobut...	258	C14H26O4	1000309-38-5	53



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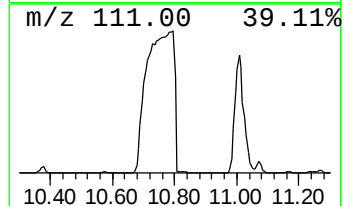
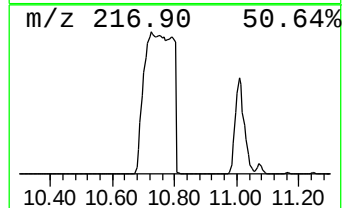
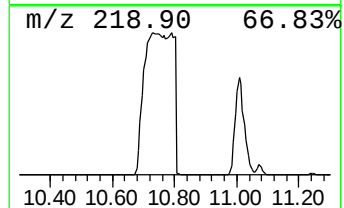
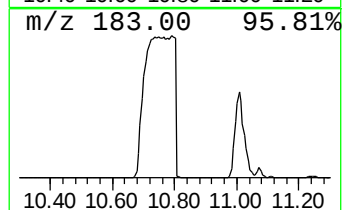
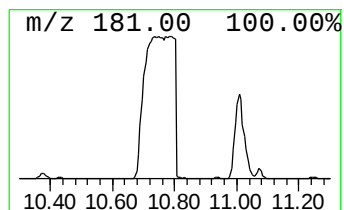
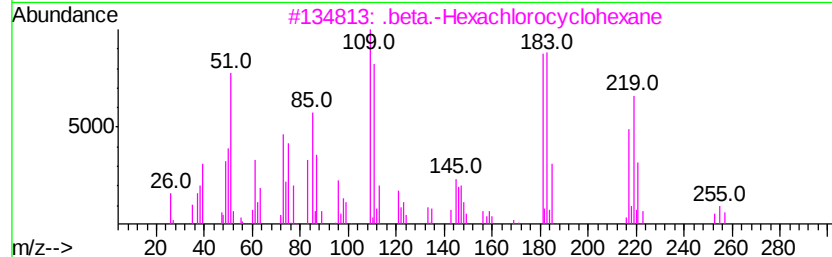
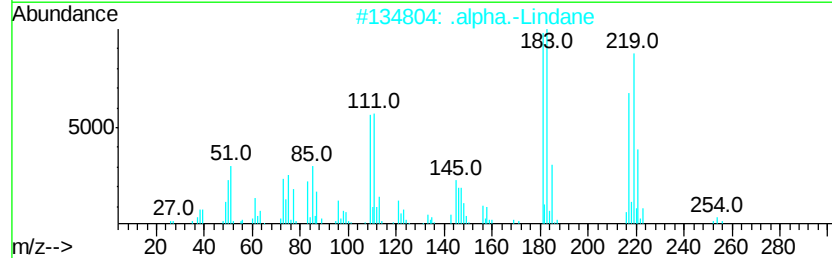
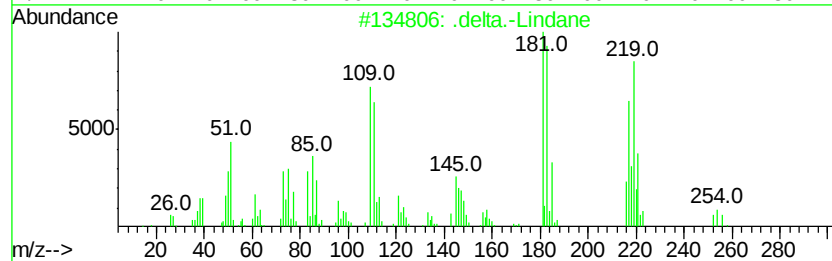
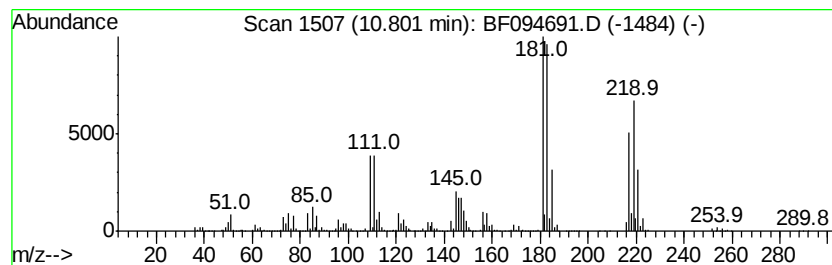
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 .delta.-Lindane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.80	1145.68 ng	34414200	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.delta.-Lindane	288	C6H6Cl6	000319-86-8	94
2	.alpha.-Lindane	288	C6H6Cl6	000319-84-6	94
3	.beta.-Hexachlorocyclohexane	288	C6H6Cl6	000319-85-7	91
4	Cyclohexene, 1,3,4,5,6-pentachlo...	252	C6H5Cl5	000319-94-8	90
5	3,4,5-Trichloropyridine	181	C5H2Cl3N	033216-52-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042817\
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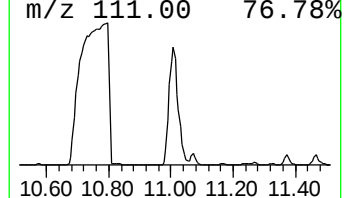
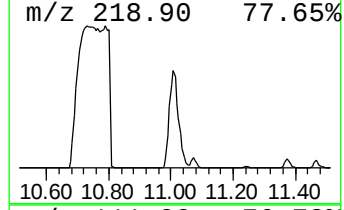
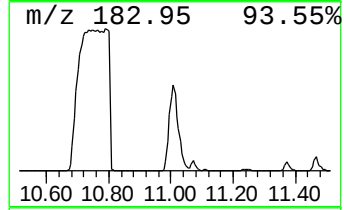
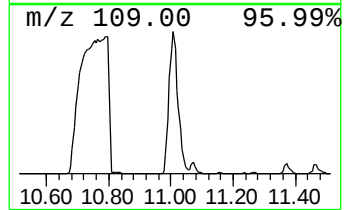
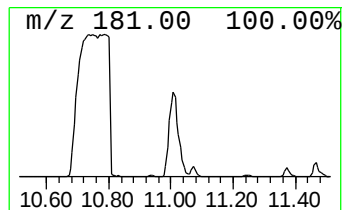
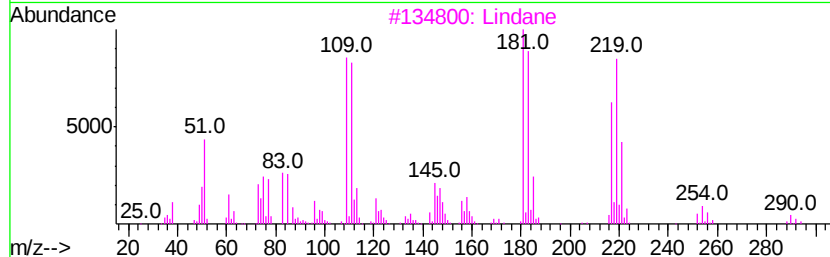
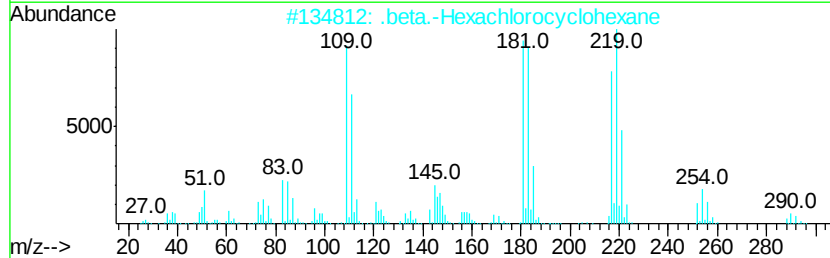
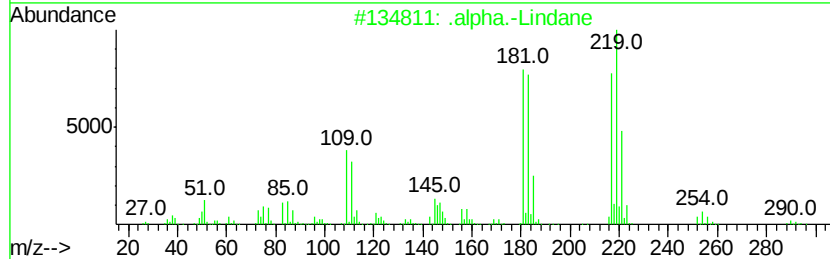
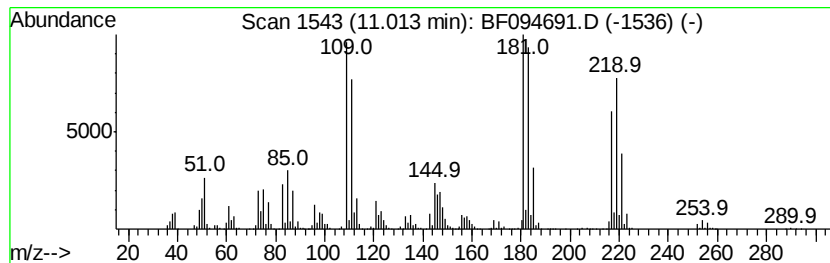
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 .alpha.-Lindane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	247.01 ng	7419780	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-Lindane	288	C6H6Cl6	000319-84-6	96
2		.beta.-Hexachlorocyclohexane	288	C6H6Cl6	000319-85-7	91
3		Lindane	288	C6H6Cl6	000058-89-9	90
4		.delta.-Lindane	288	C6H6Cl6	000319-86-8	76
5		Benzonitrile, 2-bromo-	181	C7H4BrN	002042-37-7	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
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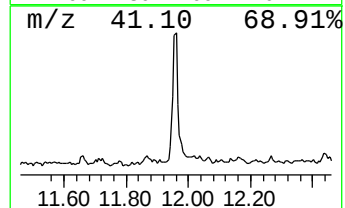
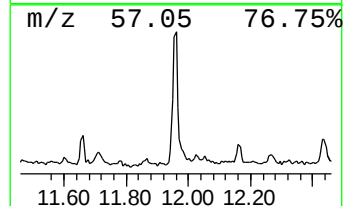
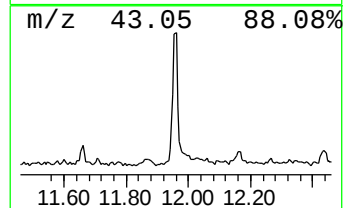
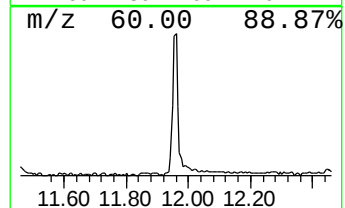
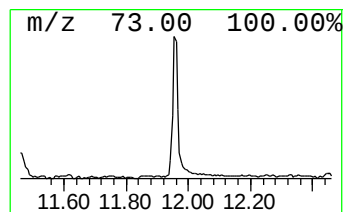
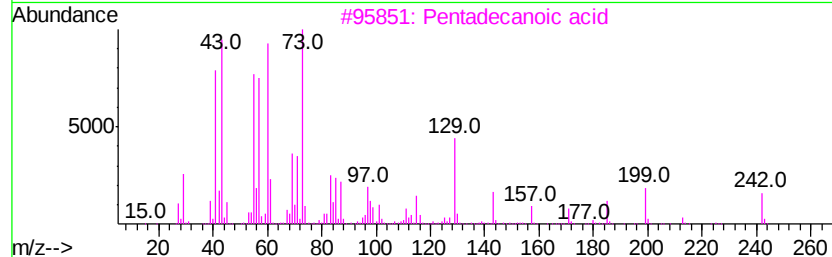
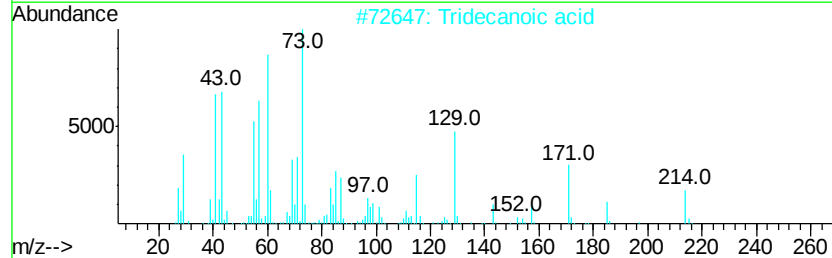
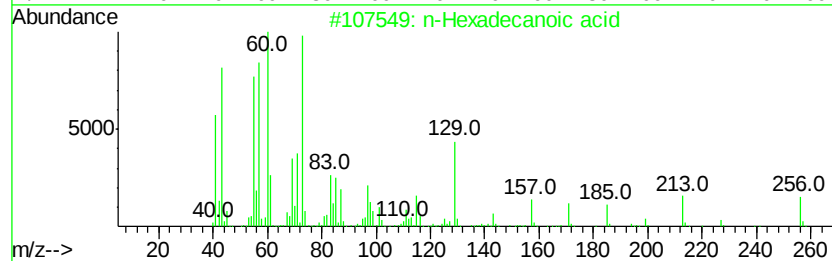
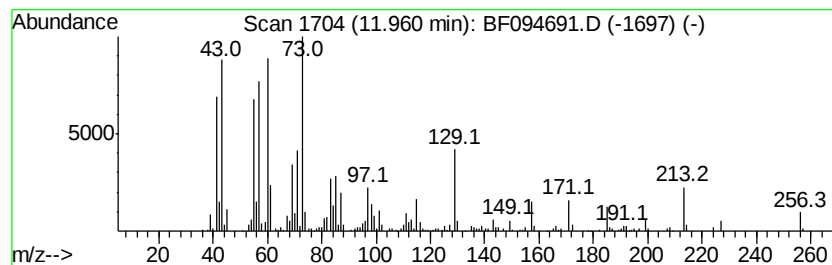
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	16.36 ng	491397	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			n-Decanoic acid	172	C10H20O2	000334-48-5	68



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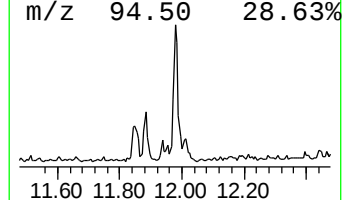
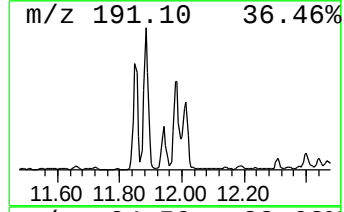
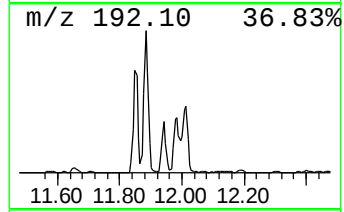
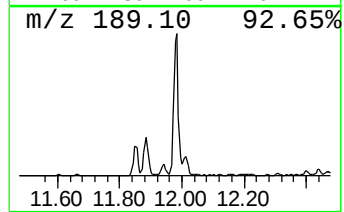
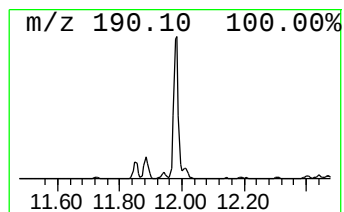
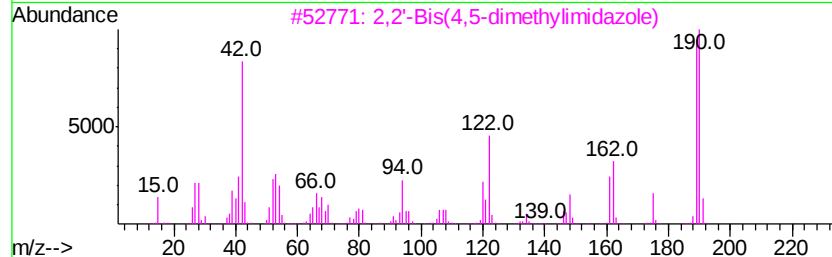
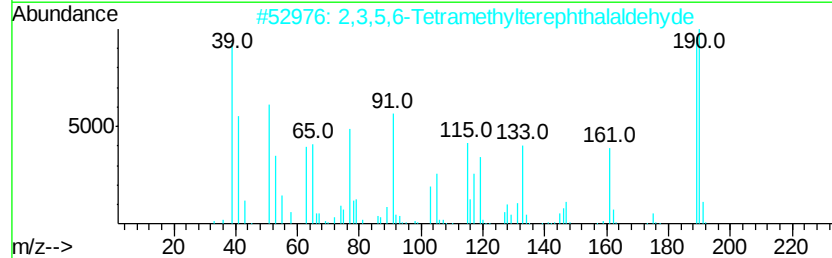
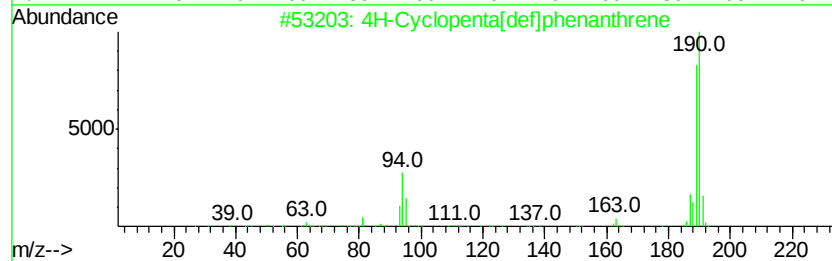
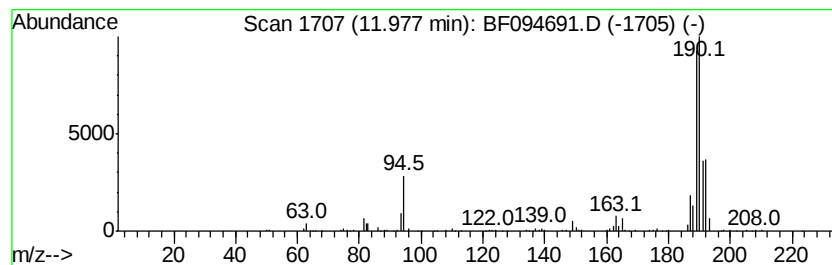
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	18.66 ng	560595	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	38
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33



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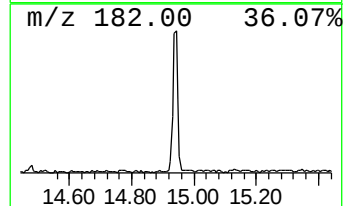
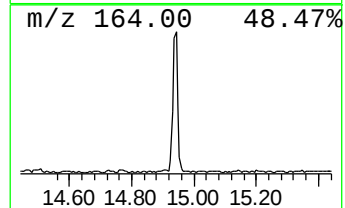
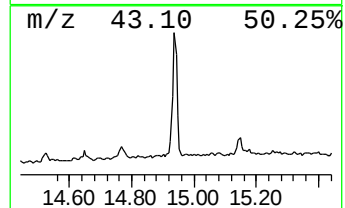
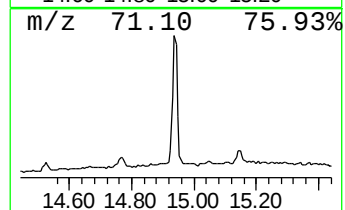
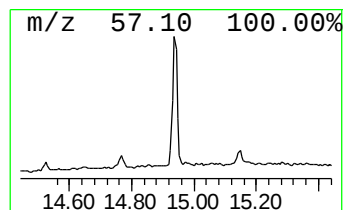
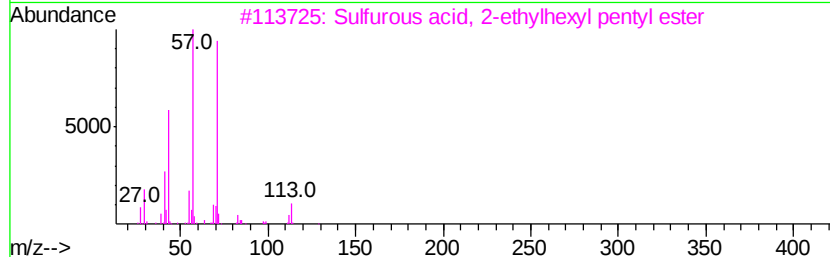
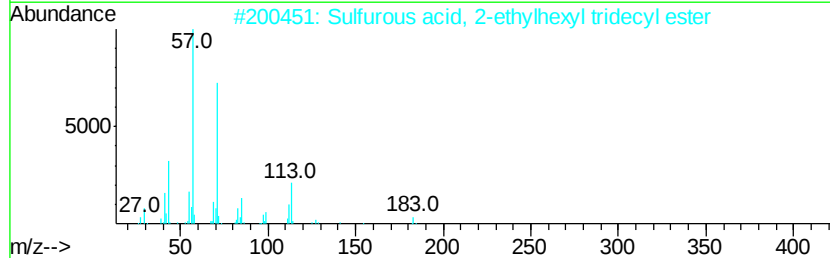
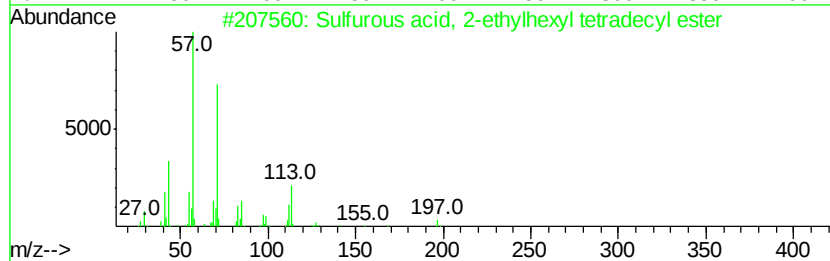
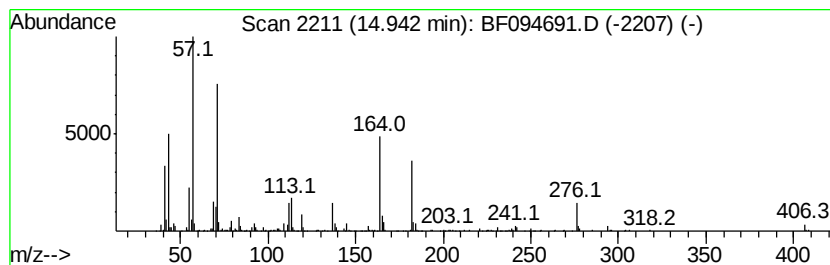
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.94 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	9.31 ng	688890	Chrysene-d12	14.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	46
2			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	46
3			Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	43
4			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	43
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042817\
 Data File : BF094691.D
 Acq On : 28 Apr 2017 18:44
 Operator : SJ/MA
 Sample : I2870-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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
2-Pentanone, 4-hy...	3.94	15.6	ng	423553	1	5.77	542251	20.0
Benzene, chloro-	4.01	142.0	ng	3849720	1	5.77	542251	20.0
unknown5.53	5.53	96.3	ng	2610540	1	5.77	542251	20.0
1-Hexanol, 2-ethyl-	5.86	16.8	ng	456107	1	5.77	542251	20.0
Pyridine, 3,5-dic...	8.51	10.1	ng	402062	3	9.40	800404	20.0
Cyclohexene, .gam...	8.84	15.0	ng	601819	3	9.40	800404	20.0
2-Ethylhexyl merc...	8.95	15.8	ng	633087	3	9.40	800404	20.0
.delta.-Lindane	10.80	1145.7	ng	34414200	4	11.24	600766	20.0
.alpha.-Lindane	11.01	247.0	ng	7419780	4	11.24	600766	20.0
n-Hexadecanoic acid	11.96	16.4	ng	491397	4	11.24	600766	20.0
4H-Cyclopenta[def...	11.98	18.7	ng	560595	4	11.24	600766	20.0
unknown14.94	14.94	9.3	ng	688890	5	14.48	1479480	20.0