

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
 Data File : BF109806.D
 Acq On : 12 Oct 2018 00:20
 Operator : JU/SJ
 Sample : J5314-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-19

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.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	4.875	471	474	482	rBV	41373	58415	4.97%	0.535%
2	5.310	545	548	569	rBV	273057	459929	39.13%	4.211%
3	6.339	720	723	741	rBV	292275	548832	46.70%	5.025%
4	6.463	741	744	752	rBV	479889	554219	47.16%	5.074%
5	6.692	780	783	800	rBV	258492	381910	32.50%	3.497%
6	6.851	806	810	825	rBV	451305	514609	43.79%	4.712%
7	7.257	876	879	910	rBV	170838	392376	33.39%	3.592%
8	7.974	997	1001	1011	rBV	382689	437974	37.27%	4.010%
9	8.780	1132	1138	1148	rBV3	27411	96720	8.23%	0.886%
10	9.045	1180	1183	1196	rBV	631999	678679	57.75%	6.214%
11	9.439	1248	1250	1259	rVB	36059	45658	3.88%	0.418%
12	9.580	1270	1274	1279	rBV	18488	21871	1.86%	0.200%
13	9.721	1294	1298	1311	rBV	434445	468554	39.87%	4.290%
14	10.510	1428	1432	1443	rBV	237437	354789	30.19%	3.248%
15	10.633	1450	1453	1458	rVB4	20484	26054	2.22%	0.239%
16	10.933	1501	1504	1506	rBV4	10470	11894	1.01%	0.109%
17	11.198	1546	1549	1552	rBV	418457	456408	38.83%	4.179%
18	11.221	1552	1553	1560	rVV	189286	189589	16.13%	1.736%
19	11.280	1561	1563	1565	rVV	17120	16362	1.39%	0.150%
20	11.545	1605	1608	1615	rVB2	50440	57929	4.93%	0.530%
21	11.710	1630	1636	1637	rBV2	33966	62331	5.30%	0.571%
22	11.739	1637	1641	1643	rVV3	96980	119182	10.14%	1.091%
23	11.762	1643	1645	1649	rVB	73453	66969	5.70%	0.613%
24	11.815	1651	1654	1656	rVV	86456	81592	6.94%	0.747%
25	11.874	1662	1664	1667	rVB3	27633	20048	1.71%	0.184%
26	11.980	1679	1682	1684	rBV	52959	53170	4.52%	0.487%
27	12.086	1698	1700	1703	rVB2	45605	36181	3.08%	0.331%
28	12.251	1726	1728	1730	rBV3	31975	32125	2.73%	0.294%
29	12.333	1736	1742	1747	rVB4	69134	132682	11.29%	1.215%
30	12.410	1751	1755	1761	rBV	321200	379791	32.32%	3.477%
31	12.468	1763	1765	1768	rVV	90122	75256	6.40%	0.689%
32	12.504	1768	1771	1775	rVV2	62658	68715	5.85%	0.629%
33	12.633	1788	1793	1797	rBV	341483	397152	33.79%	3.636%
34	12.780	1814	1818	1825	rBV	688296	768208	65.36%	7.033%

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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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.257	1895	1899	1907	rVB	840927	802277	68.26%	7.345%
36	13.686	1970	1972	1978	rVB3	81363	90012	7.66%	0.824%
37	13.827	1991	1996	2006	rBV3	610625	1175275	100.00%	10.760%
38	14.598	2125	2127	2131	rBV	119598	121117	10.31%	1.109%
39	15.239	2232	2236	2244	rVB2	282087	519464	44.20%	4.756%
40	15.650	2304	2306	2311	rVB	127883	147874	12.58%	1.354%

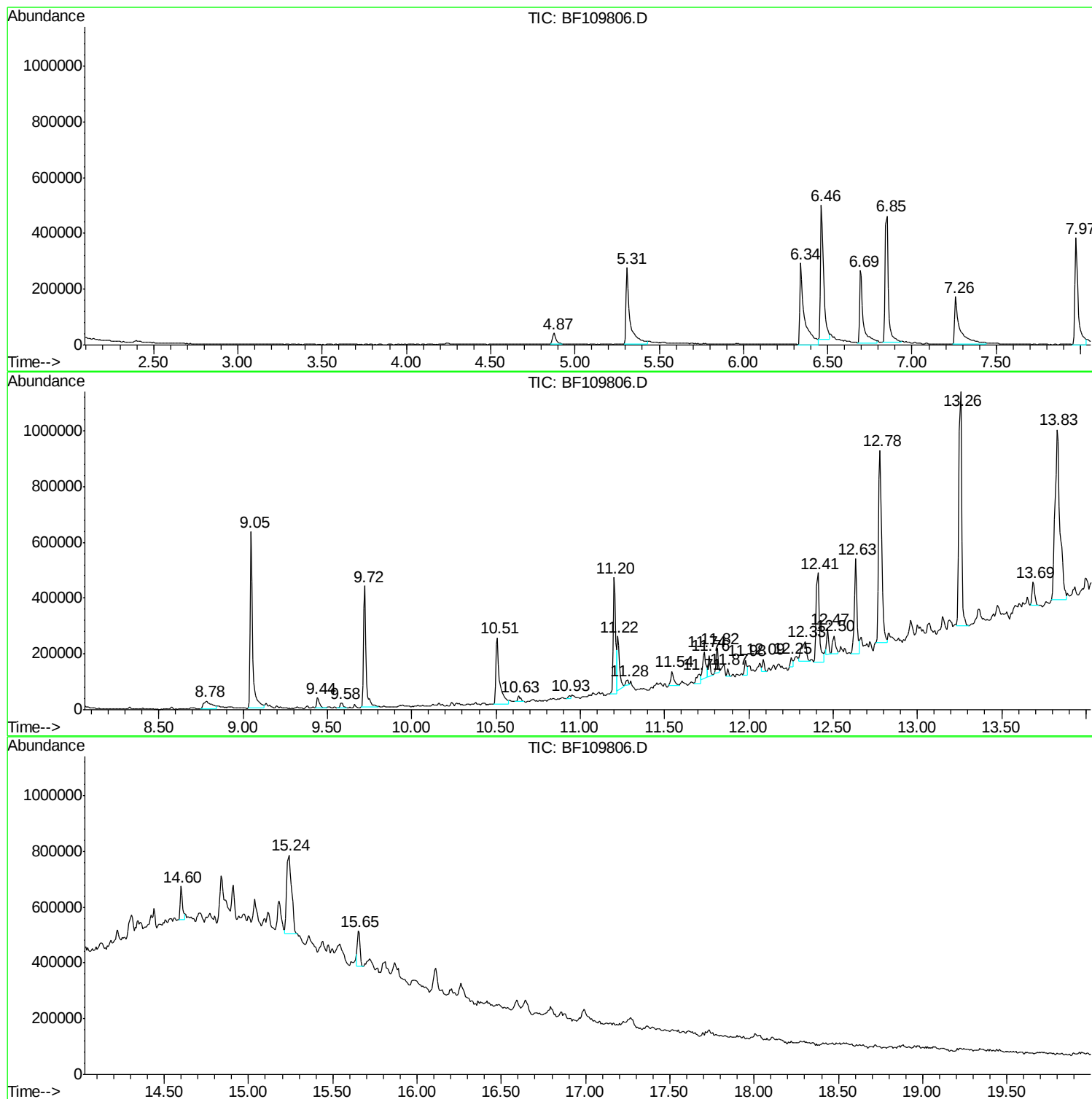
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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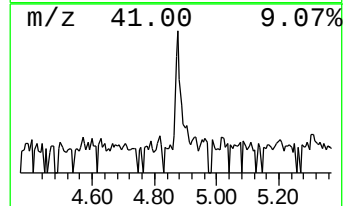
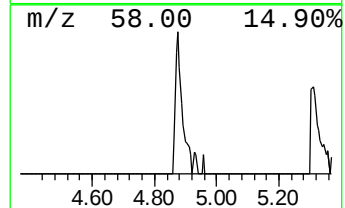
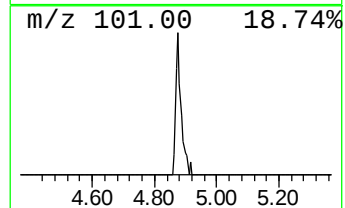
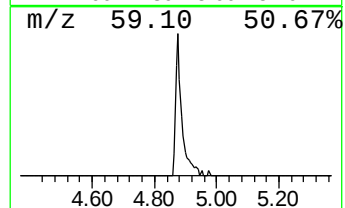
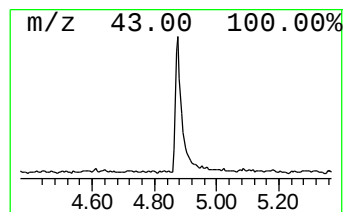
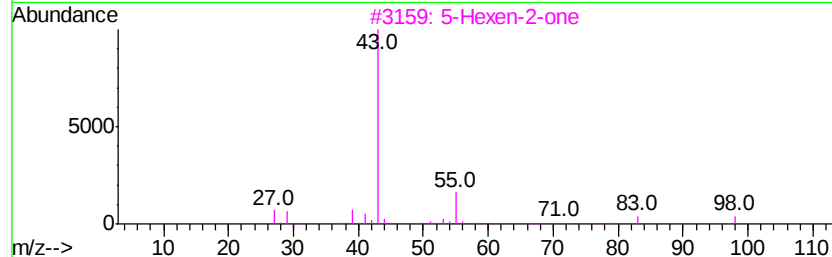
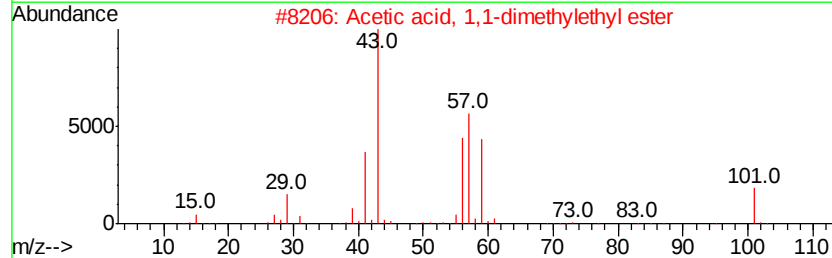
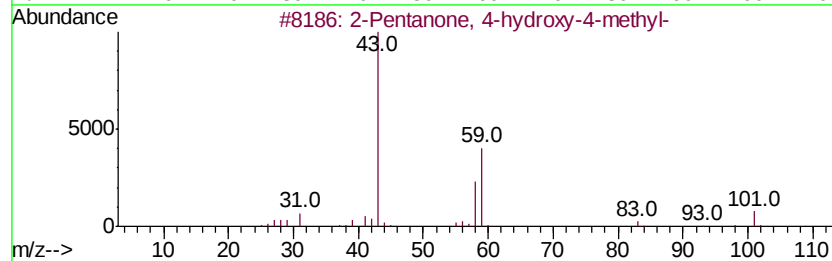
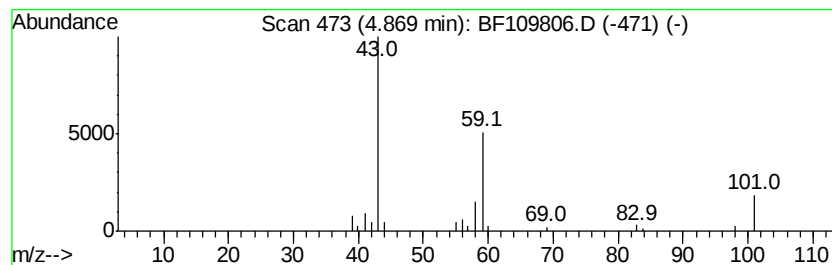
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	3.06 ng	58415	1,4-Dichlorobenzene-d4	6.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			5-Hexen-2-one	98	C6H10O	000109-49-9	9
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9



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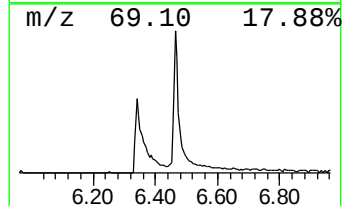
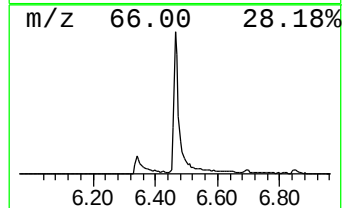
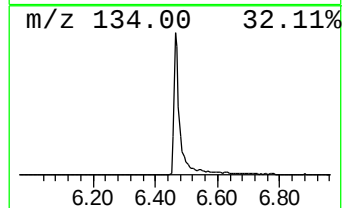
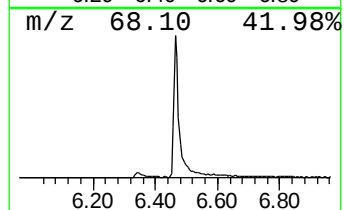
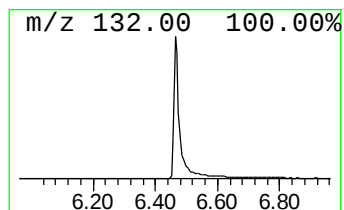
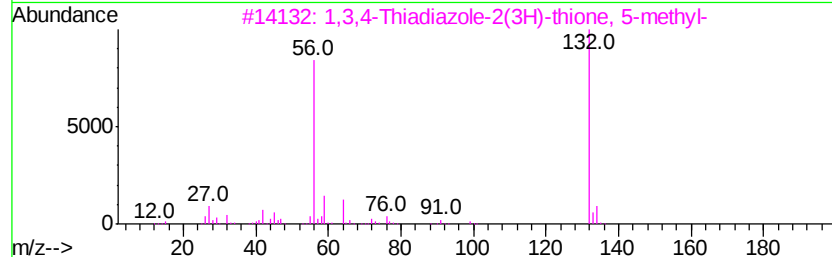
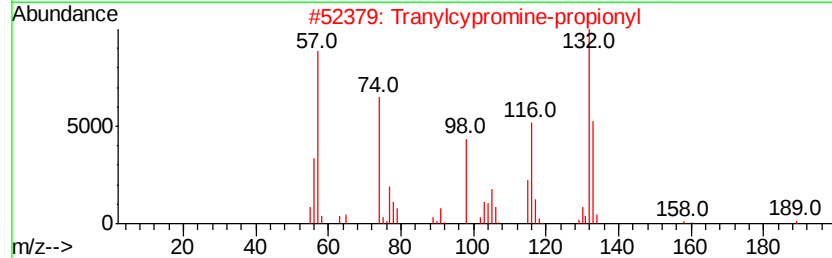
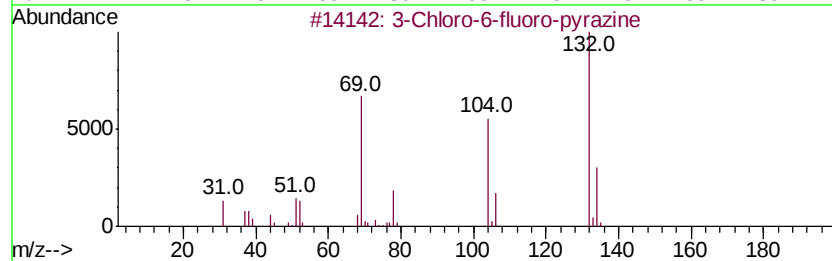
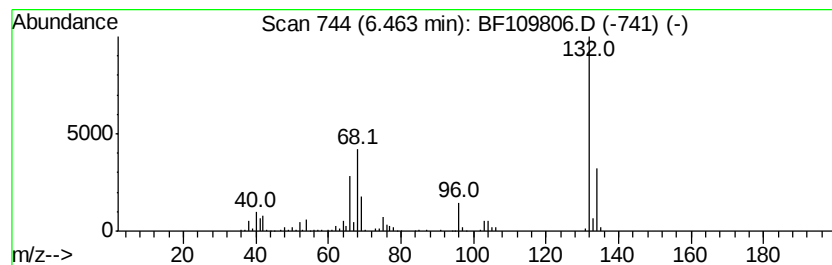
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	29.02 ng	554219	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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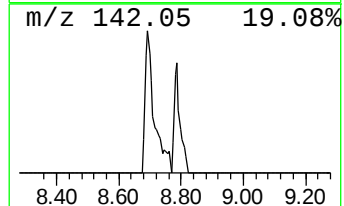
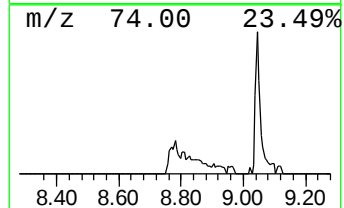
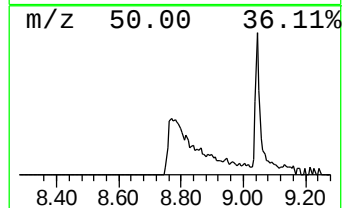
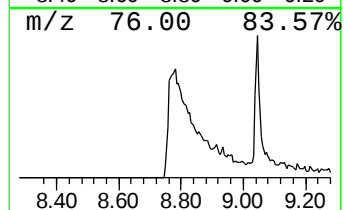
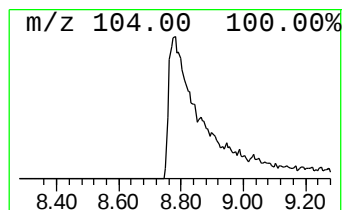
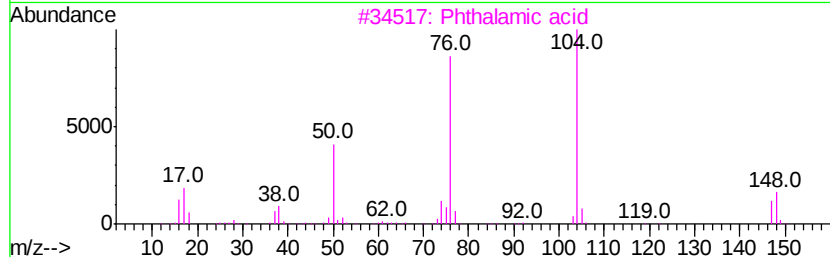
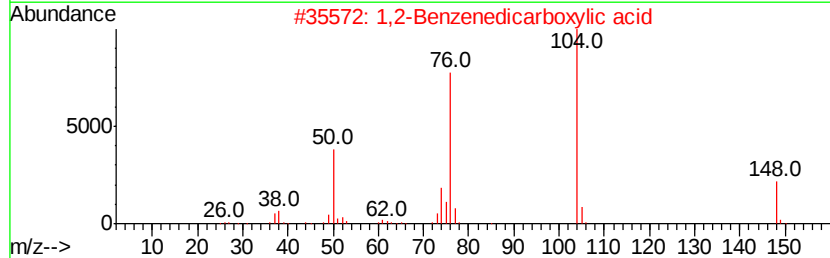
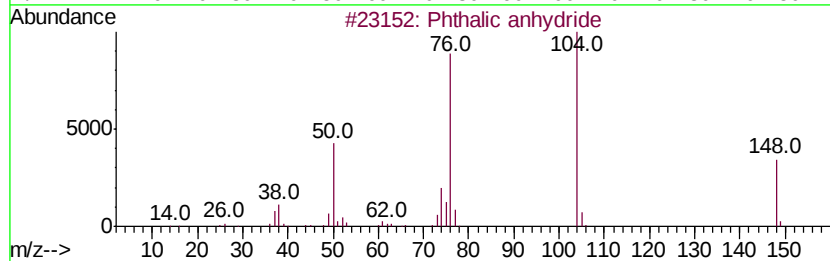
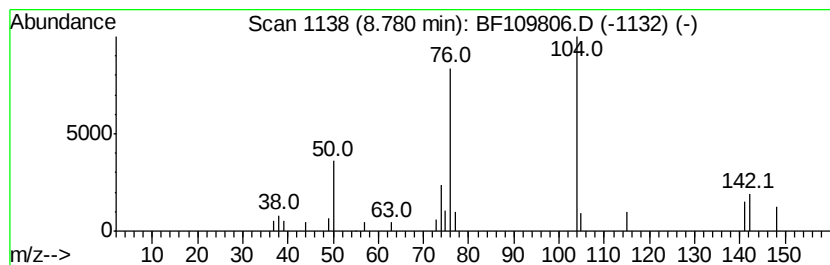
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phthalic anhydride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	4.42 ng	96720	Naphthalene-d8	7.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phthalic anhydride	148	C8H4O3	000085-44-9	93
2		1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	78
3		Phthalamic acid	165	C8H7NO3	000088-97-1	72
4		Bicyclo[4.2.0]octa-1,3,5-triene-...	132	C8H4O2	006383-11-5	64
5		1H-Isoindole-1,3(2H)-dione, 2-(h...	177	C9H7NO3	000118-29-6	59



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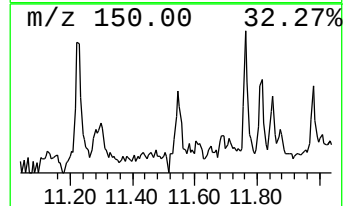
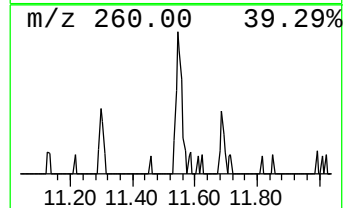
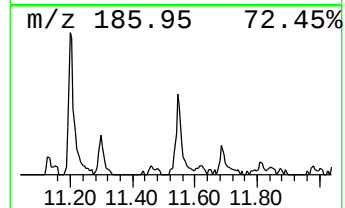
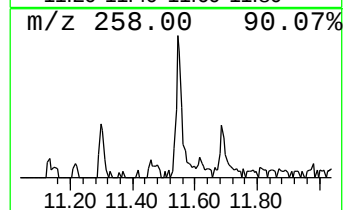
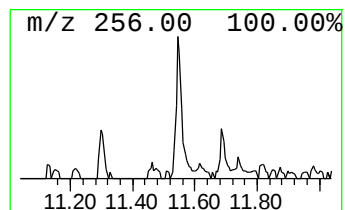
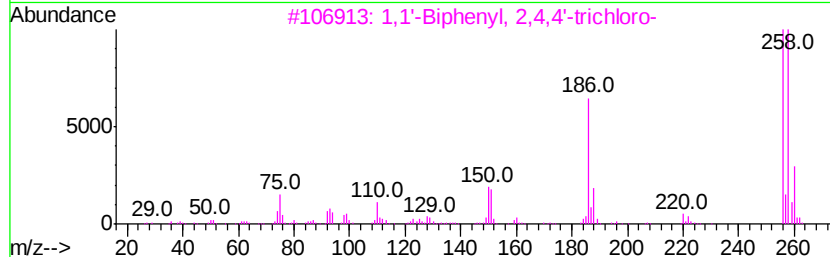
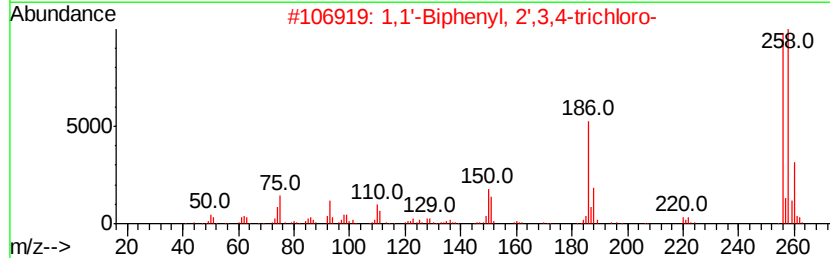
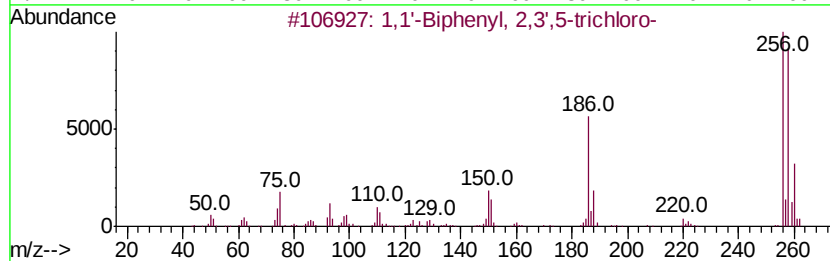
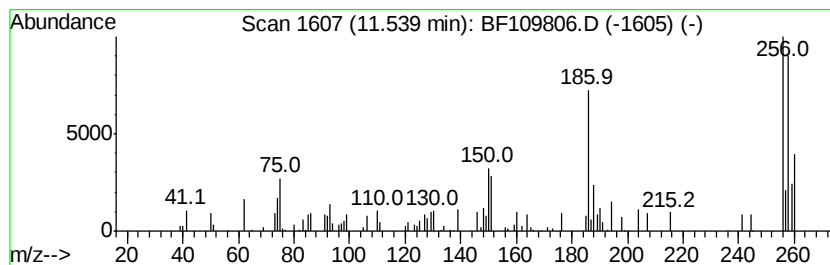
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.54	2.54 ng	57929	Phenanthrene-d10		11.20	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
2	1,1'-Biphenyl,	2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
3	1,1'-Biphenyl,	2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
4	1,1'-Biphenyl,	3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	98
5	1,1'-Biphenyl,	2',3,5-trichloro-	256	C12H7Cl3	037680-68-5	98



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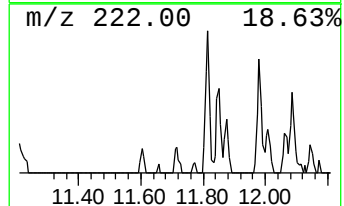
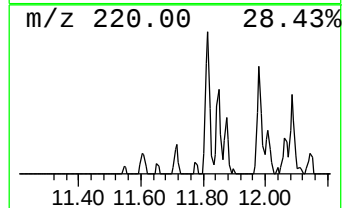
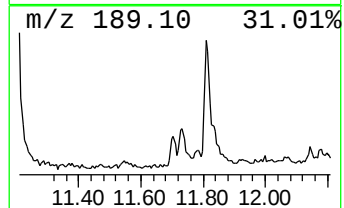
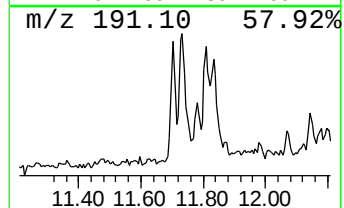
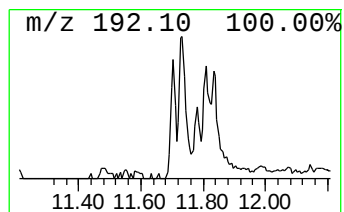
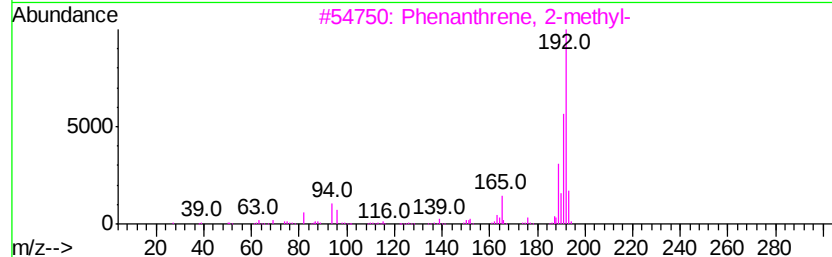
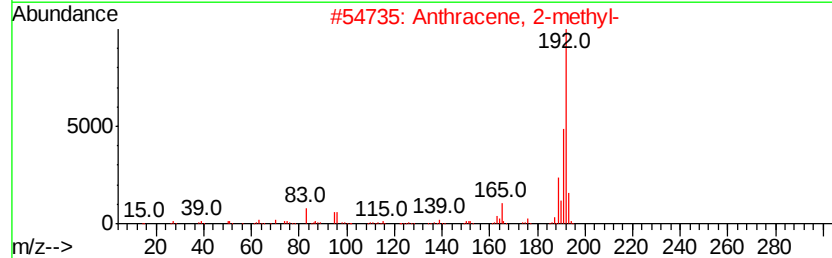
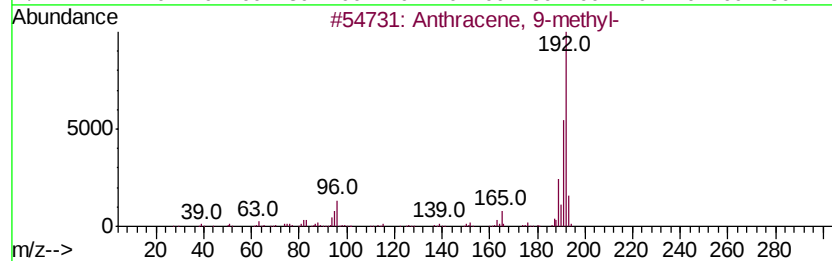
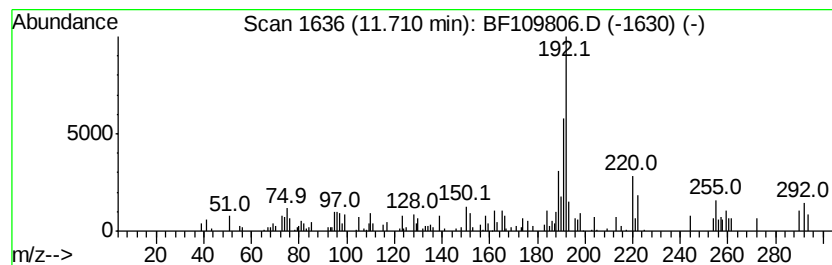
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	2.73 ng	62331	Phenanthrene-d10	11.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	55
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	49
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	49
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109806.D
Acq On : 12 Oct 2018 00:20
Operator : JU/SJ
Sample : J5314-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

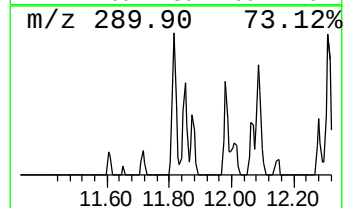
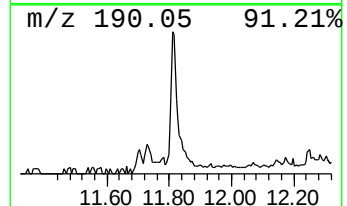
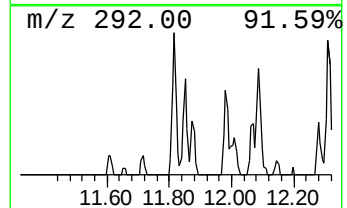
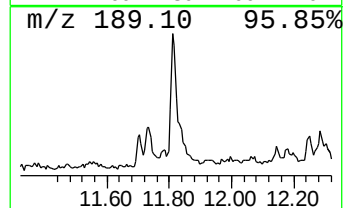
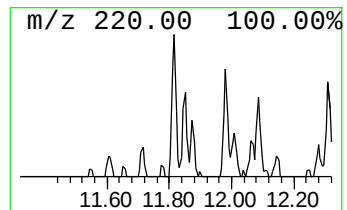
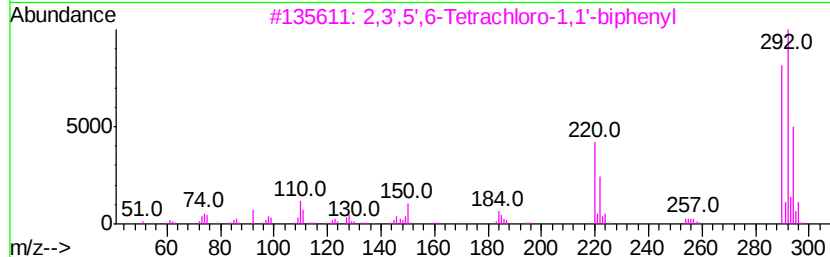
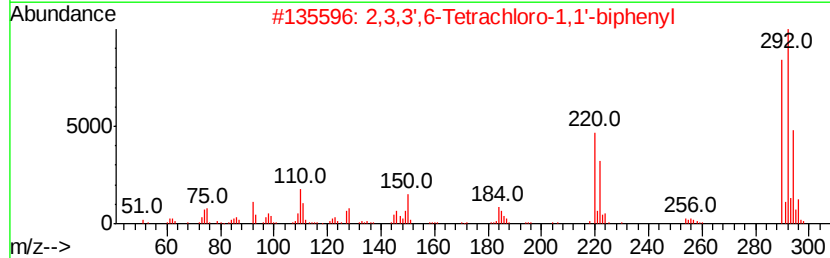
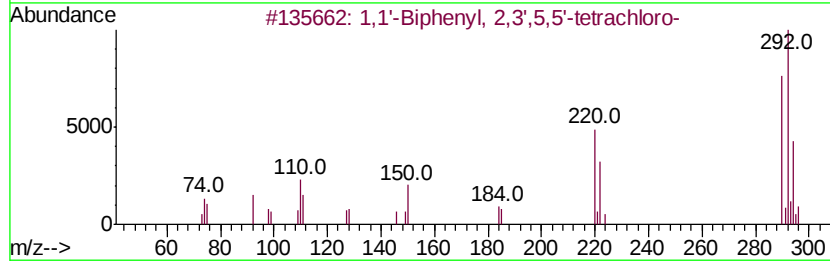
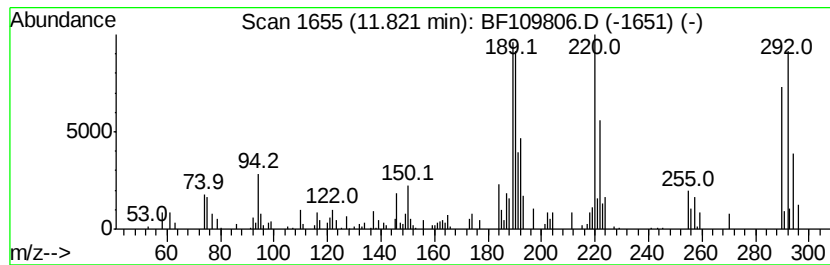
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	3.58 ng	81592	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	93
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	91
3	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	91
4	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	91
5	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
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Sample : J5314-02 2X
Misc :
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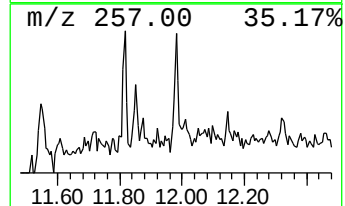
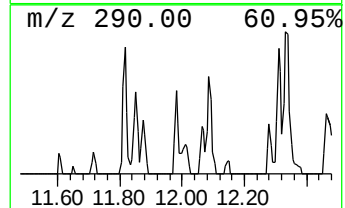
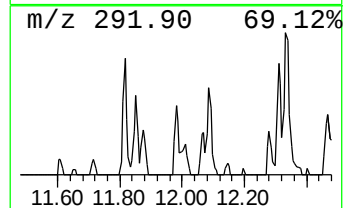
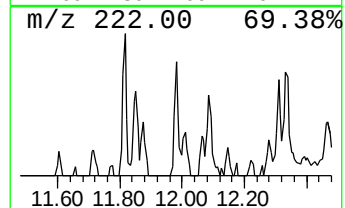
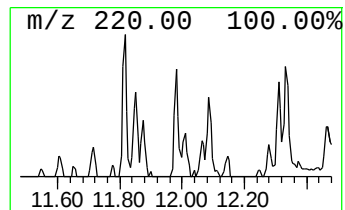
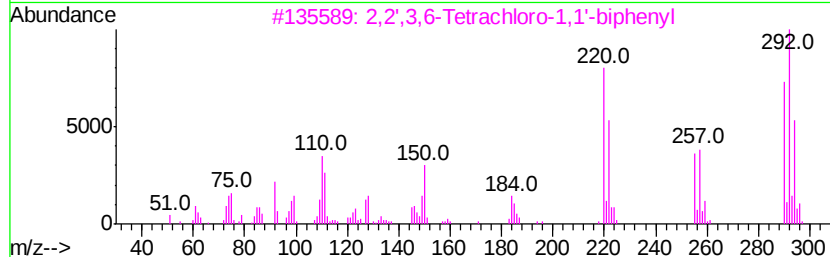
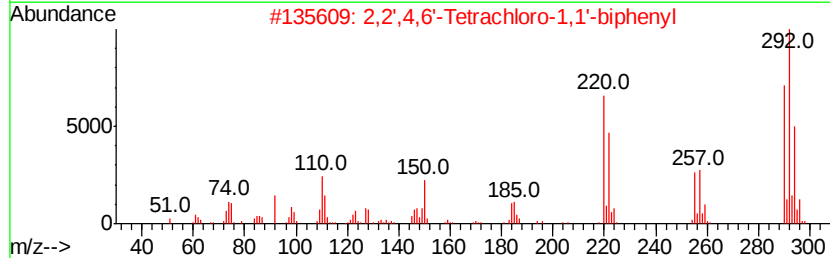
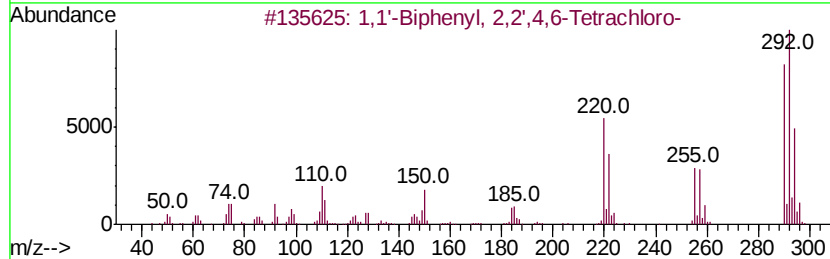
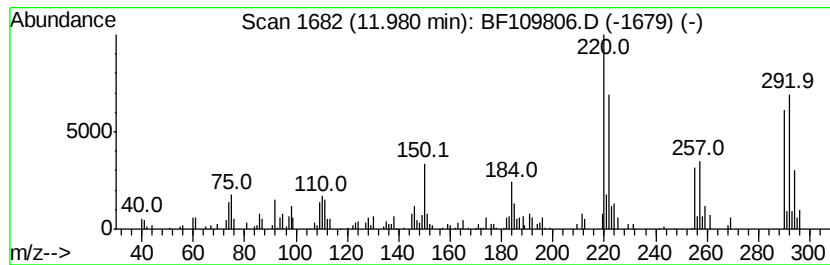
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.98	2.33 ng	53170	Phenanthrene-d10	11.20		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99	
2	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99	
3	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99	
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	98	
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	97	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
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Sample : J5314-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

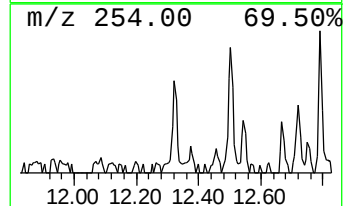
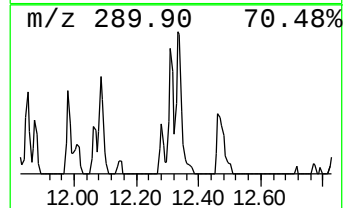
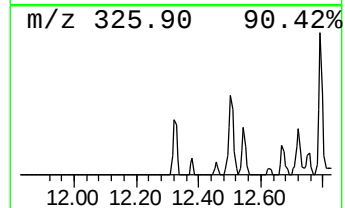
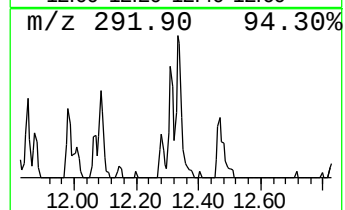
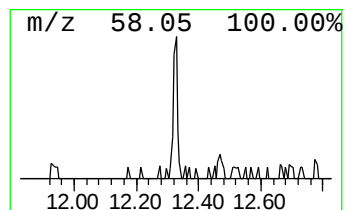
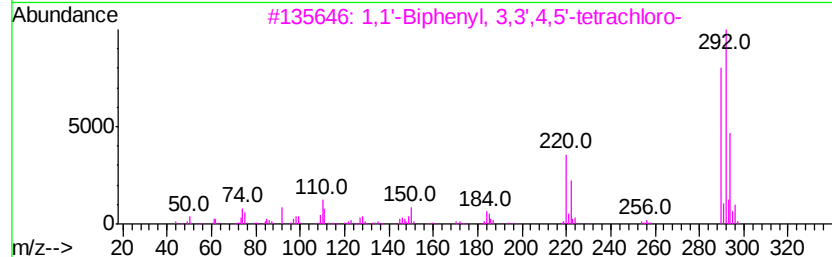
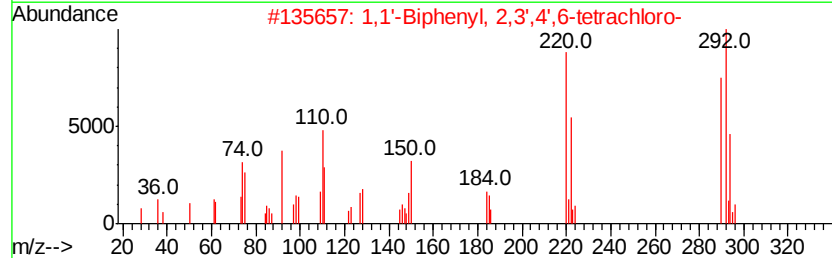
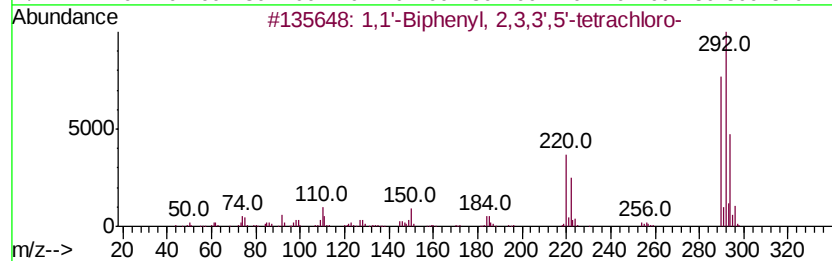
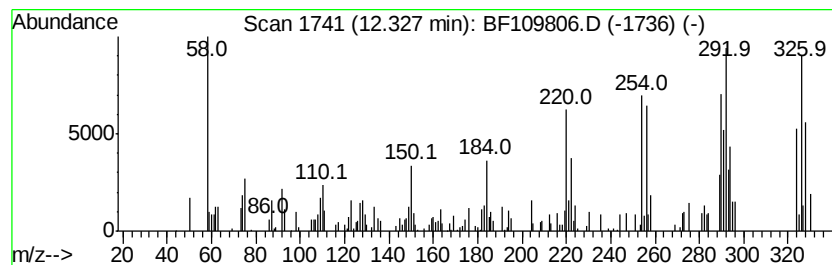
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.33	5.81 ng	132682	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrachloro-	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 2,3',4',6-tetrachloro-	290	C12H6Cl4	041464-46-4	99
3	1,1'-Biphenyl, 3,3',4,5'-tetrachloro-	290	C12H6Cl4	041464-48-6	99
4	1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	98
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109806.D
Acq On : 12 Oct 2018 00:20
Operator : JU/SJ
Sample : J5314-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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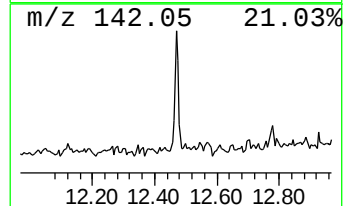
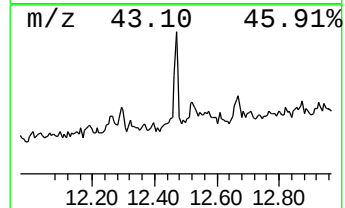
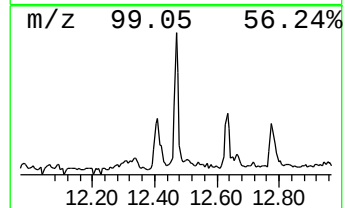
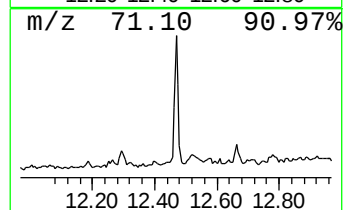
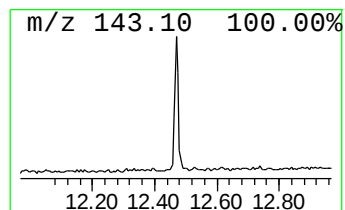
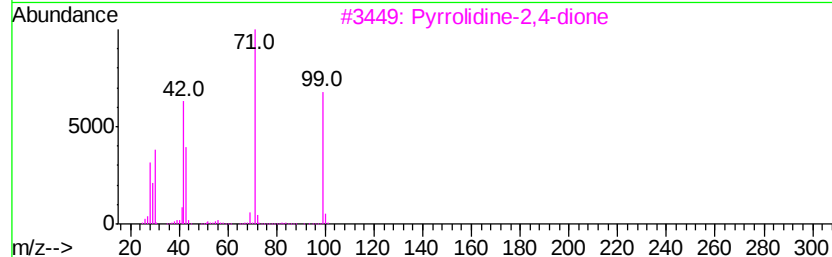
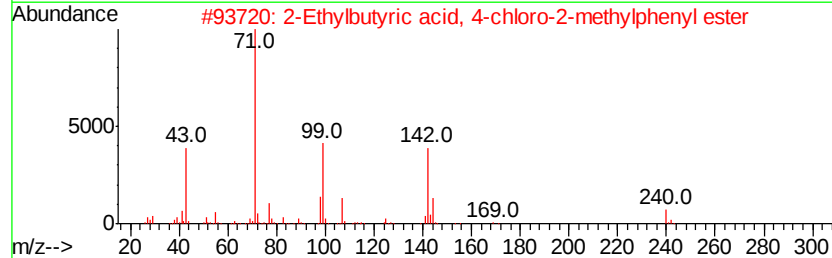
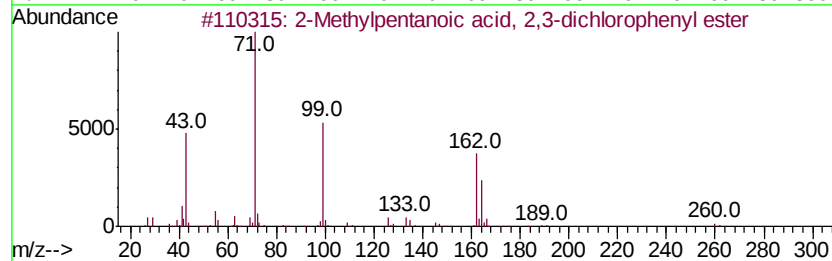
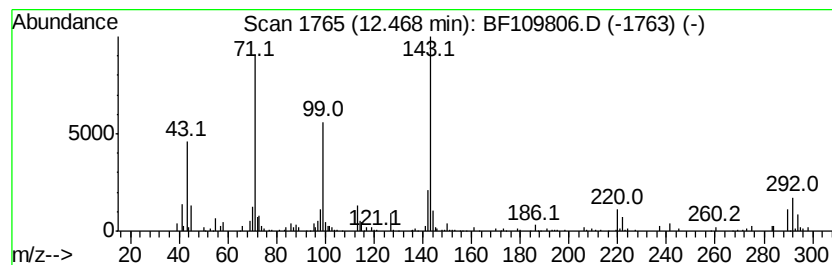
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.47 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.30 ng	75256	Phenanthrene-d10	11.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Methylpentanoic acid, 2,3-dich...	260	C12H14Cl2O2	1000357-38-4	38
2			2-Ethylbutyric acid, 4-chloro-2-...	240	C13H17ClO2	1000370-12-4	38
3			Pyrrolidine-2,4-dione	99	C4H5NO2	037772-89-7	38
4			2-Ethylbutyric acid, 2,3-dichlor...	260	C12H14Cl2O2	1000370-04-7	35
5			Pentanoic acid, 2-methyl-, anhyd...	214	C12H22O3	063169-61-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109806.D
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Operator : JU/SJ
Sample : J5314-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

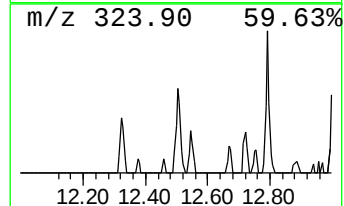
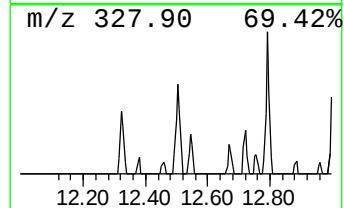
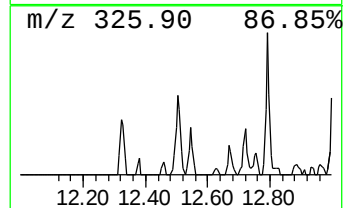
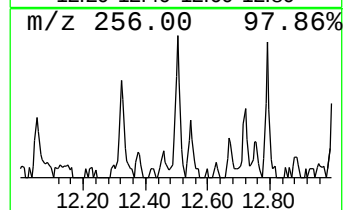
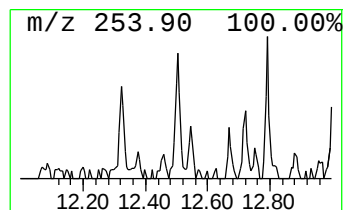
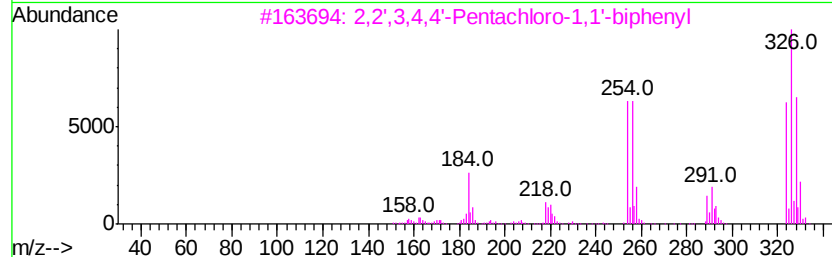
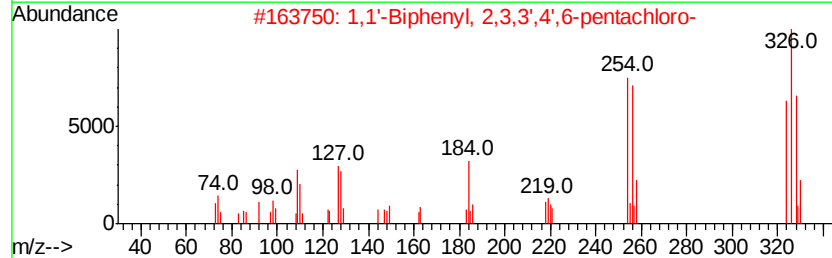
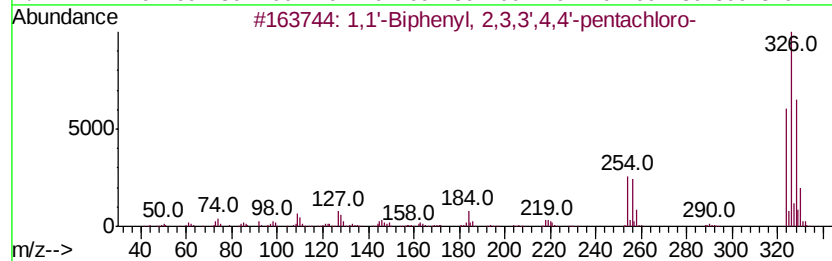
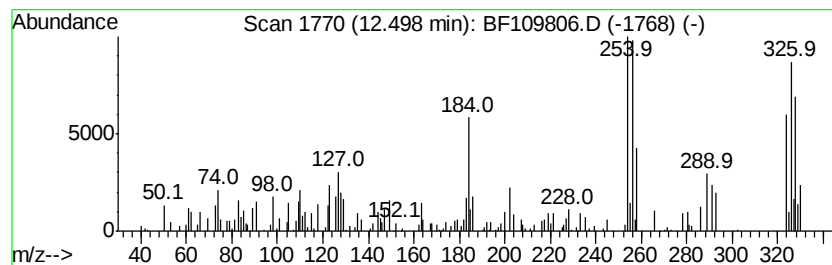
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.50	3.01 ng	68715	Phenanthrene-d10	11.20		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99	
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99	
3	2,2',3,4,4'-Pentachloro-1,1'-bip...	324	C12H5Cl5	065510-45-4	97	
4	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	97	
5	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	97	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
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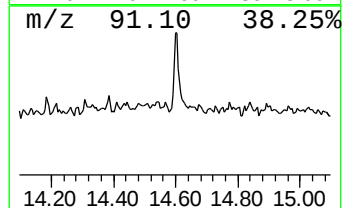
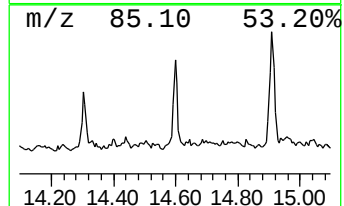
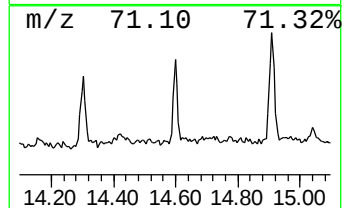
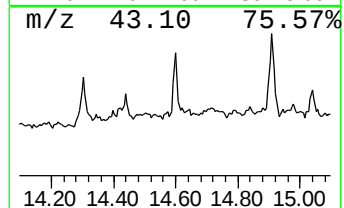
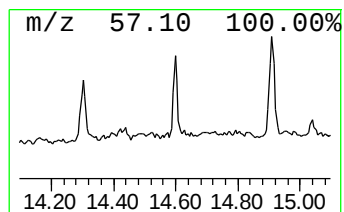
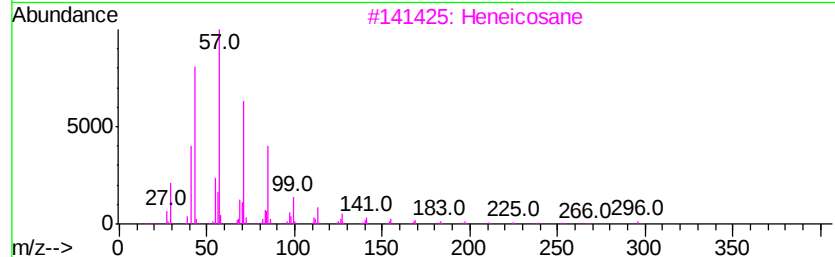
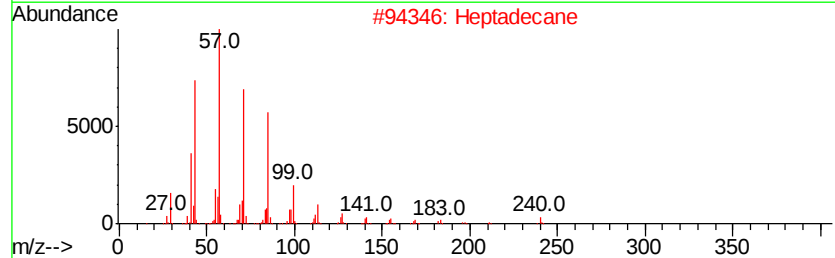
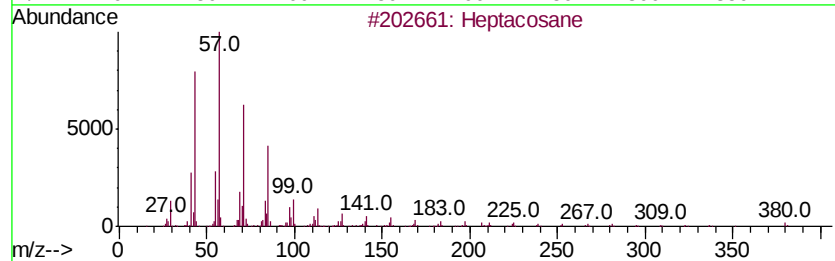
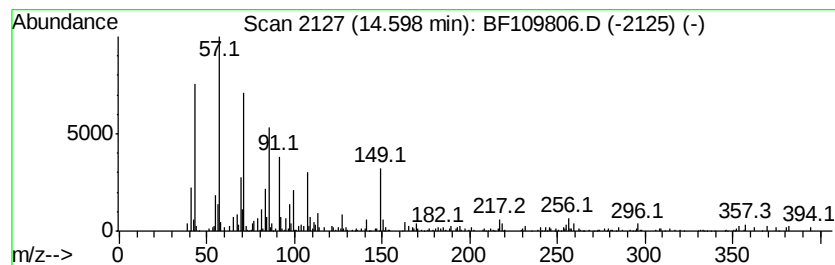
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.60	4.66 ng	121117	Perylene-d12	15.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Heptadecane	240	C17H36	000629-78-7	60
3	Heneicosane	296	C21H44	000629-94-7	53
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	53
5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109806.D
Acq On : 12 Oct 2018 00:20
Operator : JU/SJ
Sample : J5314-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId :
DOCUMENTATION-19

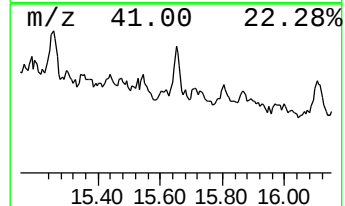
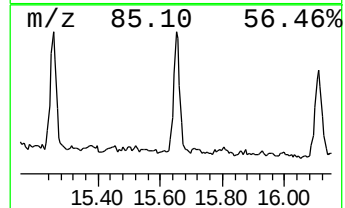
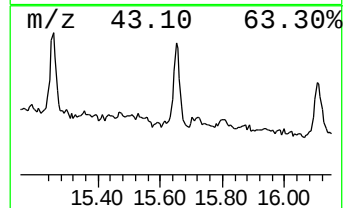
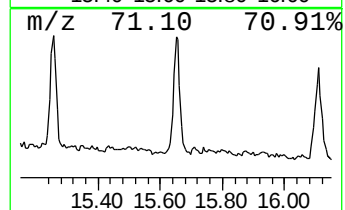
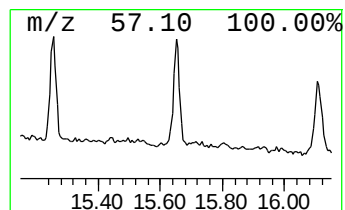
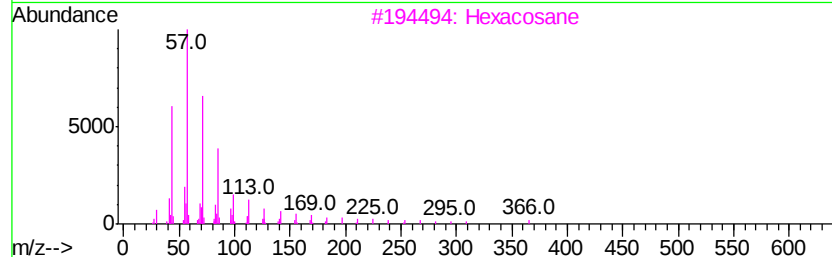
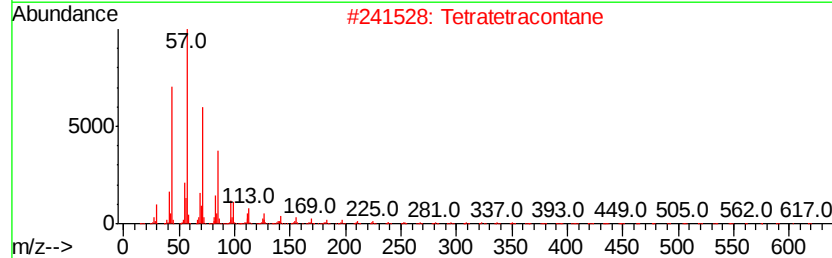
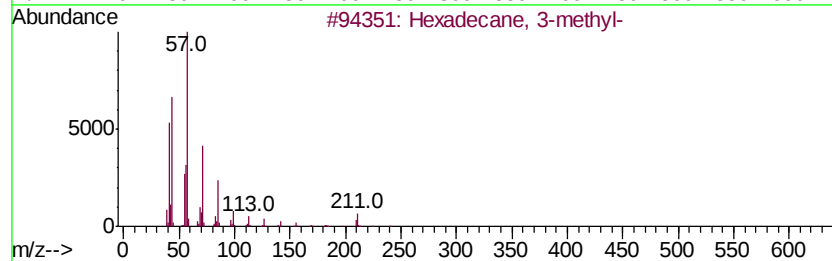
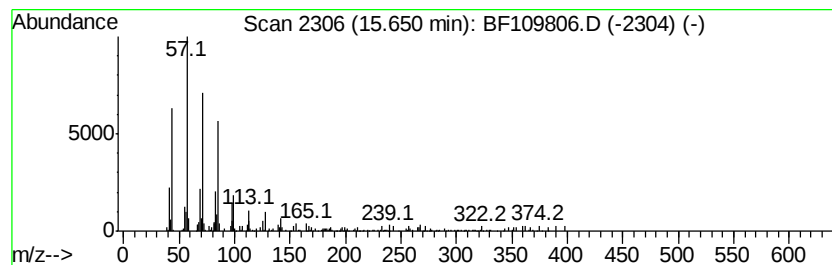
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	5.69 ng	147874	Perylene-d12	15.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 3-methyl-	240	C17H36	006418-43-5	90
2			Tetratetracontane	619	C44H90	007098-22-8	90
3			Hexacosane	366	C26H54	000630-01-3	89
4			Octacosane	394	C28H58	000630-02-4	86
5			Tetracosane	338	C24H50	000646-31-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101118\
 Data File : BF109806.D
 Acq On : 12 Oct 2018 00:20
 Operator : JU/SJ
 Sample : J5314-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.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...	4.87	3.1 ng		58415	1	6.70	381910	20.0
unknown6.46	6.46	29.0 ng		554219	1	6.70	381910	20.0
Phthalic anhydride	8.78	4.4 ng		96720	2	7.97	437974	20.0
1,1'-Biphenyl, 2,...	11.54	2.5 ng		57929	4	11.20	456408	20.0
Anthracene, 9-met...	11.71	2.7 ng		62331	4	11.20	456408	20.0
1,1'-Biphenyl, 2,...	11.82	3.6 ng		81592	4	11.20	456408	20.0
1,1'-Biphenyl, 2,...	11.98	2.3 ng		53170	4	11.20	456408	20.0
1,1'-Biphenyl, 2,...	12.33	5.8 ng		132682	4	11.20	456408	20.0
unknown12.47	12.47	3.3 ng		75256	4	11.20	456408	20.0
1,1'-Biphenyl, 2,...	12.50	3.0 ng		68715	4	11.20	456408	20.0
Heptacosane	14.60	4.7 ng		121117	6	15.24	519464	20.0
Hexadecane, 3-met...	15.65	5.7 ng		147874	6	15.24	519464	20.0