

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111327.D
 Acq On : 12 Dec 2018 17:53
 Operator : JU/SJ
 Sample : J6344-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200027

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-BF121218.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	5.004	491	496	502	rBV	352386	454159	5.56%	0.720%
2	5.410	560	565	568	rBV	6718575	7115399	87.07%	11.273%
3	5.739	613	621	629	rBV	309779	326784	4.00%	0.518%
4	6.428	730	738	746	rBV2	6631030	8172341	100.00%	12.947%
5	6.563	756	761	764	rBV	7753220	7408382	90.65%	11.737%
6	6.792	796	800	803	rBV	2244945	1870440	22.89%	2.963%
7	6.916	817	821	823	rBV	417564	315825	3.86%	0.500%
8	6.951	823	827	830	rVV	6662209	5682317	69.53%	9.002%
9	7.351	888	895	898	rBV	4830879	4964370	60.75%	7.865%
10	8.075	1013	1018	1021	rBV	2798581	2559699	31.32%	4.055%
11	8.463	1081	1084	1087	rBV4	168141	180825	2.21%	0.286%
12	8.580	1101	1104	1107	rBV2	175358	184804	2.26%	0.293%
13	8.627	1107	1112	1116	rBV6	108715	202220	2.47%	0.320%
14	8.675	1117	1120	1123	rBV	448213	388399	4.75%	0.615%
15	8.827	1143	1146	1148	rBV3	162596	219895	2.69%	0.348%
16	8.904	1154	1159	1163	rBV7	135886	319555	3.91%	0.506%
17	8.963	1166	1169	1172	rBV3	358860	387516	4.74%	0.614%
18	9.074	1184	1188	1191	rBV3	355169	526901	6.45%	0.835%
19	9.151	1197	1201	1205	rBV	7413066	7403279	90.59%	11.729%
20	9.198	1206	1209	1211	rBV2	352029	468023	5.73%	0.741%
21	9.245	1214	1217	1219	rVV	977330	816861	10.00%	1.294%
22	9.298	1224	1226	1229	rBV3	328806	410070	5.02%	0.650%
23	9.545	1266	1268	1270	rBV	858347	815150	9.97%	1.291%
24	9.657	1285	1287	1289	rBV2	744553	637538	7.80%	1.010%
25	9.833	1313	1317	1321	rBV5	2938882	5318168	65.08%	8.426%
26	14.433	2097	2099	2105	rVB	847853	831391	10.17%	1.317%
27	14.733	2148	2150	2154	rVB	865343	884911	10.83%	1.402%
28	15.062	2203	2206	2215	rVB	854702	1095239	13.40%	1.735%
29	15.386	2257	2261	2265	rBV	930550	1126195	13.78%	1.784%
30	15.433	2265	2269	2274	rVB	692495	924608	11.31%	1.465%
31	15.856	2337	2341	2346	rVB	432421	580807	7.11%	0.920%
32	16.345	2421	2424	2428	rVB	216180	300830	3.68%	0.477%
33	16.921	2518	2522	2526	rVB	145322	226656	2.77%	0.359%

LSC Area Percent Report

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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-BF121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

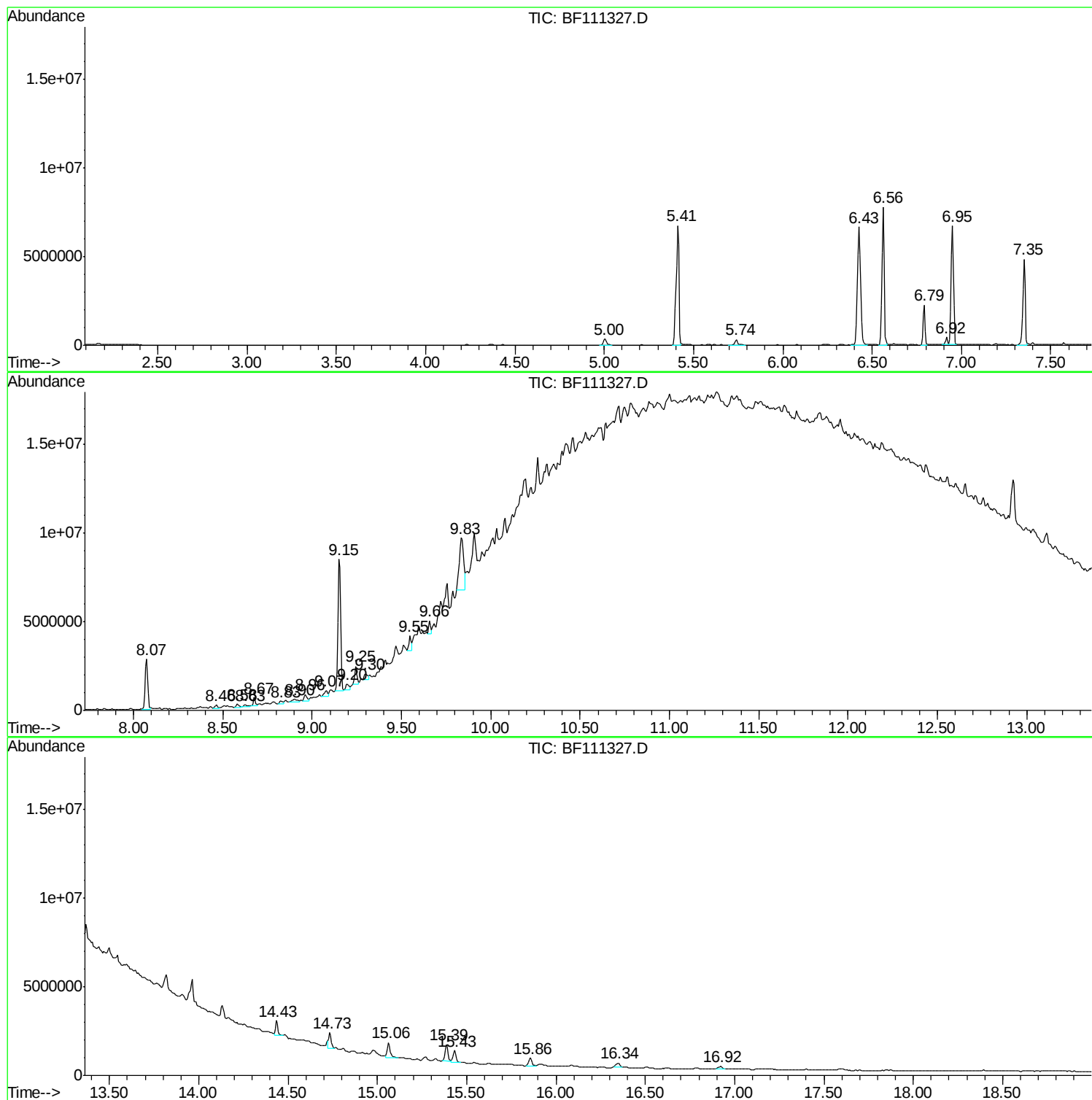
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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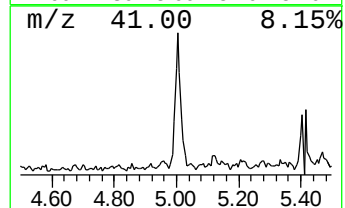
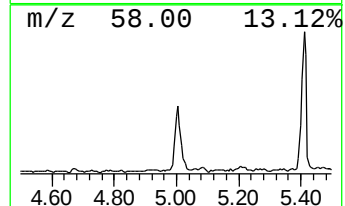
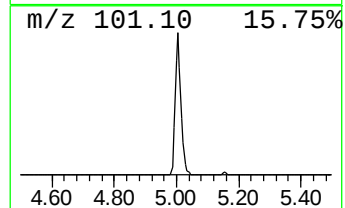
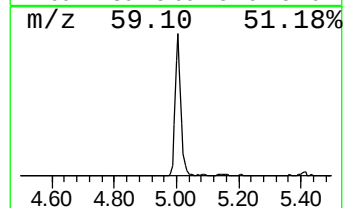
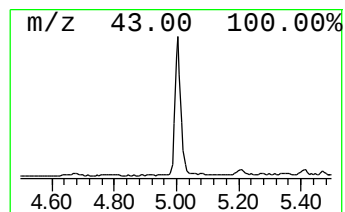
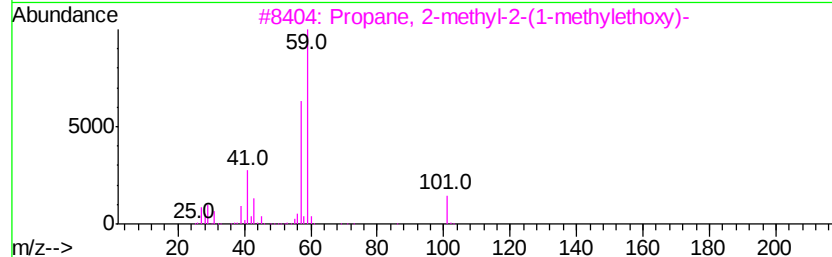
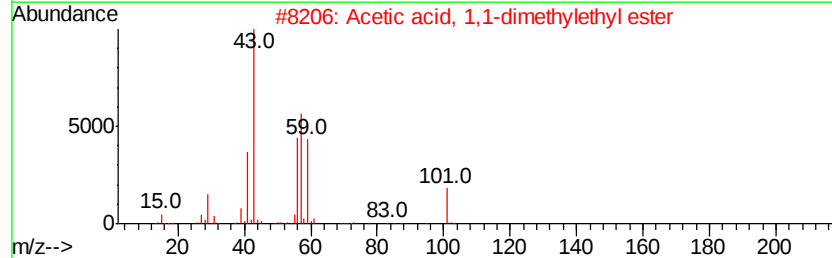
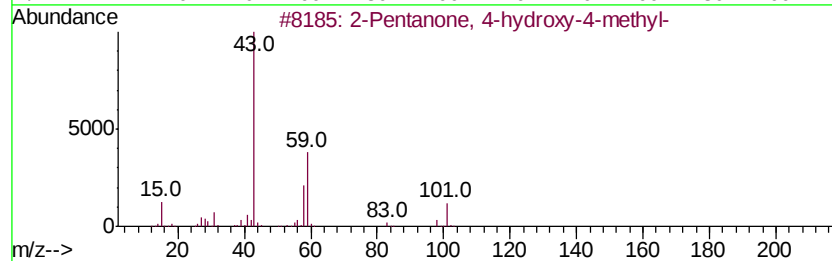
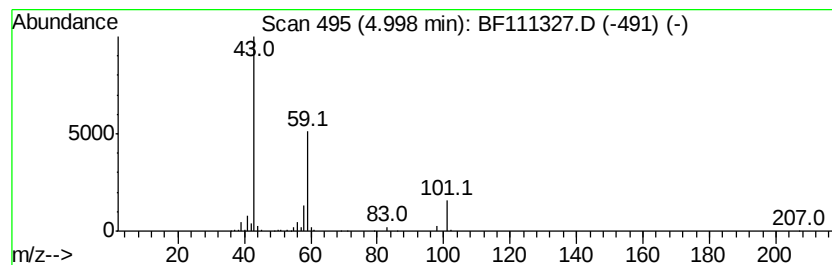
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	4.86 ng	454159	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32



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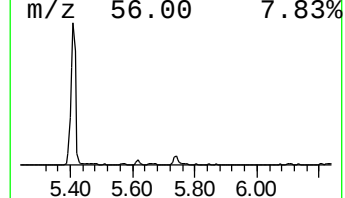
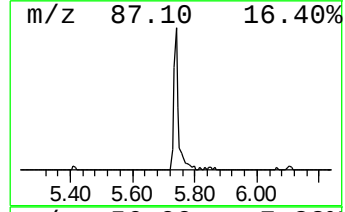
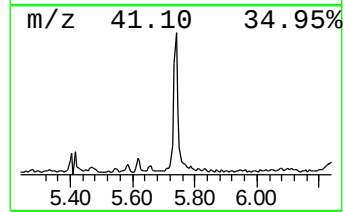
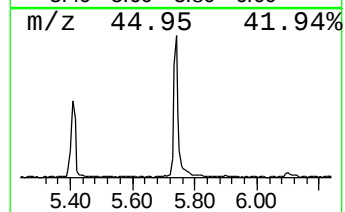
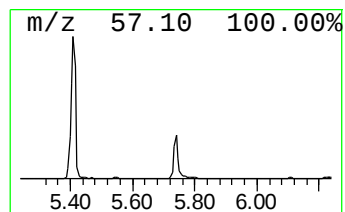
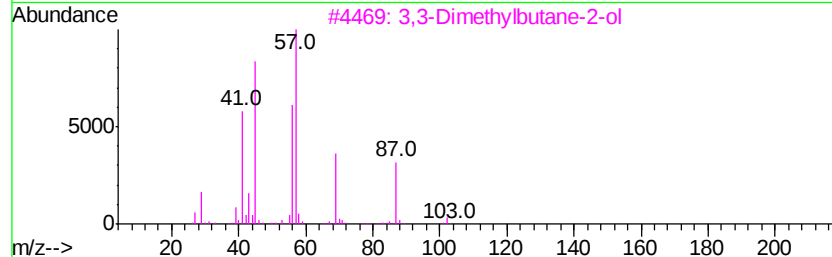
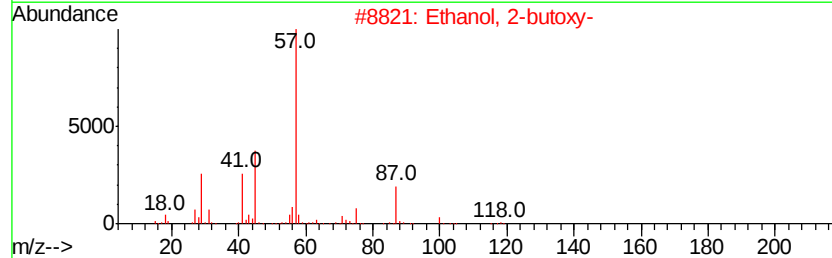
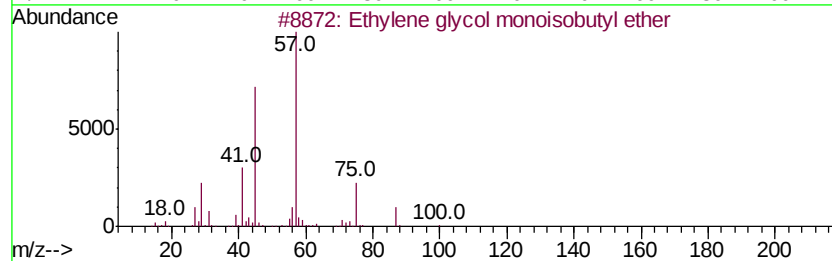
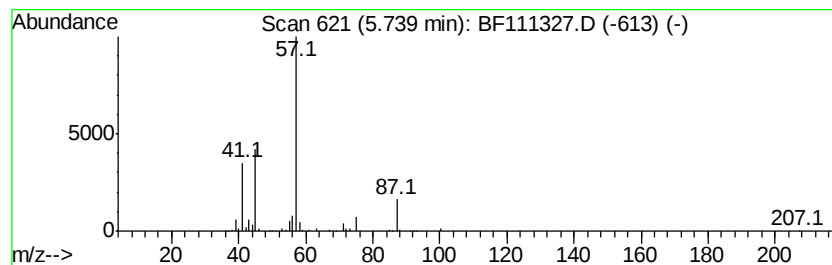
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Ethylene glycol monoisobuty... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	3.49 ng	326784	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	72
2		Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	59
3		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	42
4		Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	38
5		1,3-Propanediol, 2-methyl-, dipr...	202	C10H18O4	054932-83-1	17



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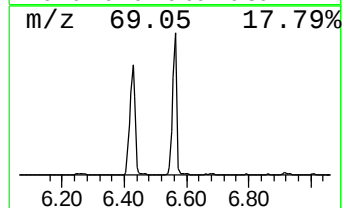
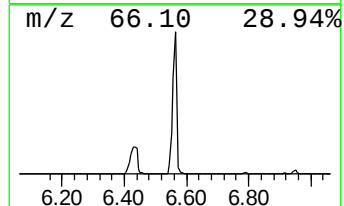
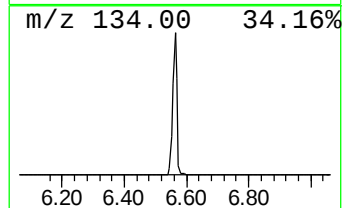
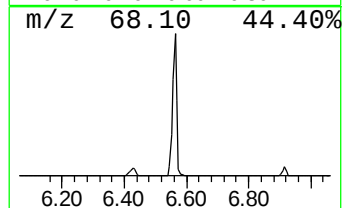
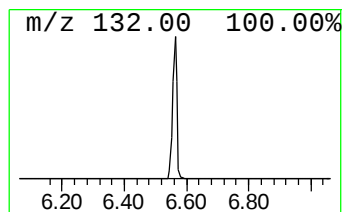
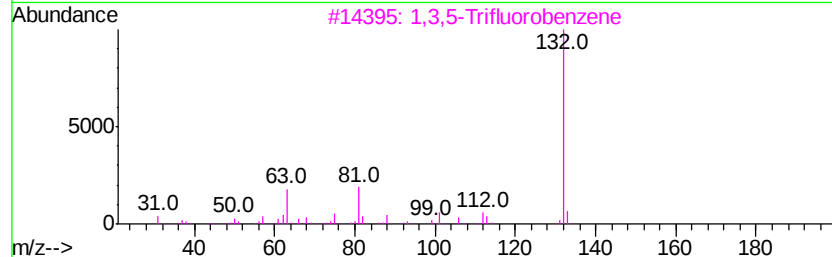
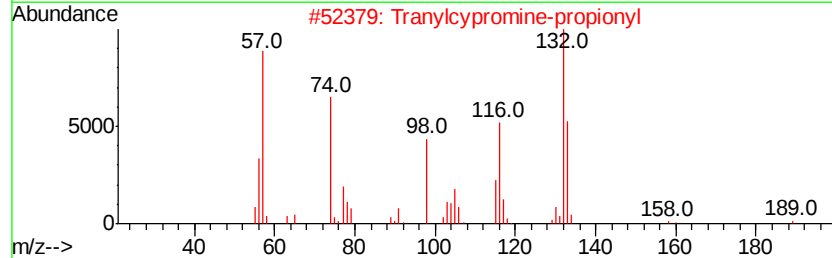
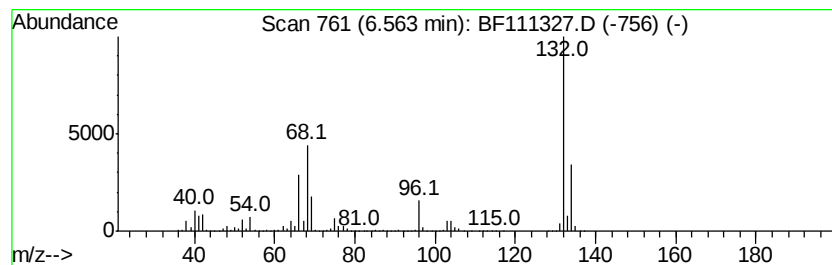
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	79.22 ng	7408380	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4		Xenon	132	Xe	007440-63-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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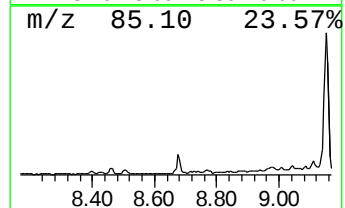
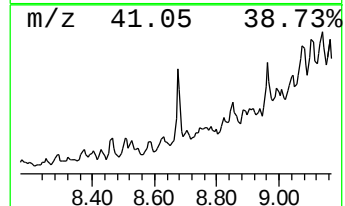
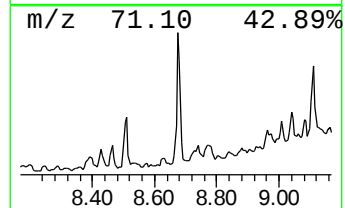
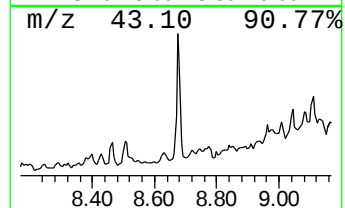
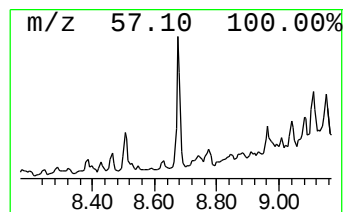
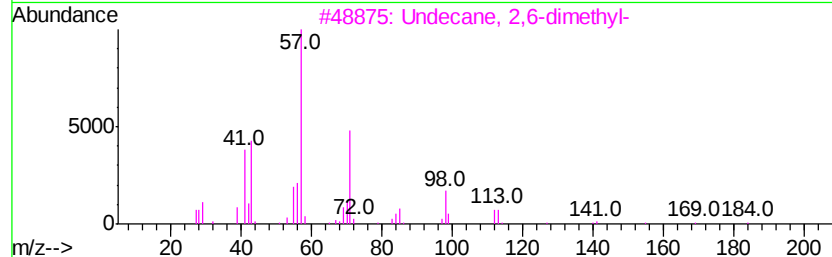
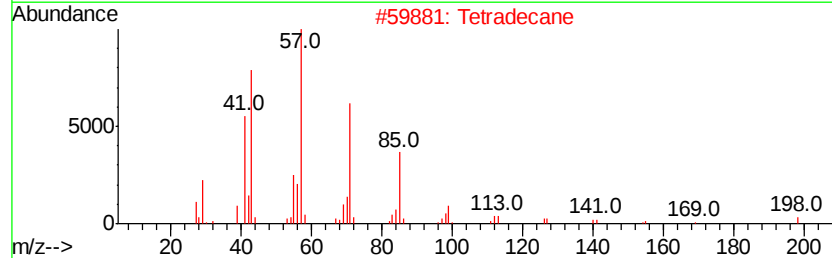
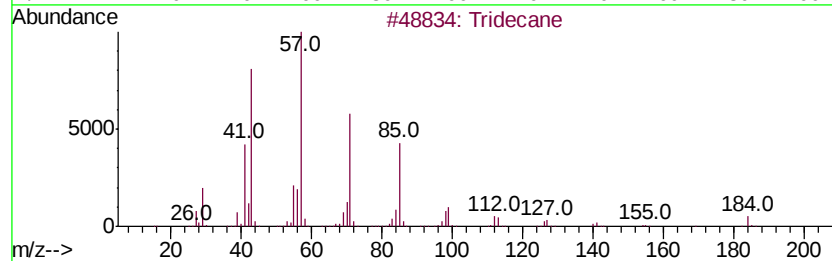
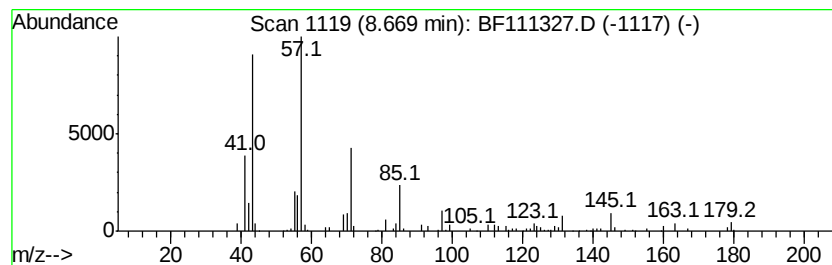
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	3.03 ng	388399	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	94
2		Tetradecane	198	C14H30	000629-59-4	86
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	74
4		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	72
5		Hexadecane	226	C16H34	000544-76-3	72



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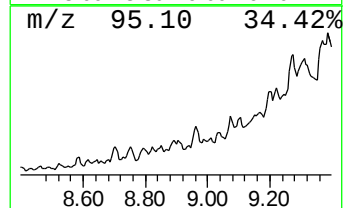
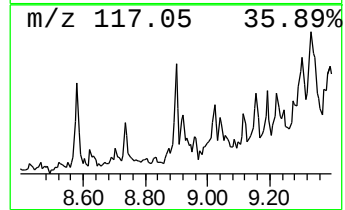
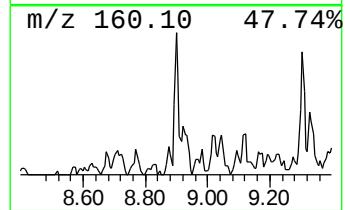
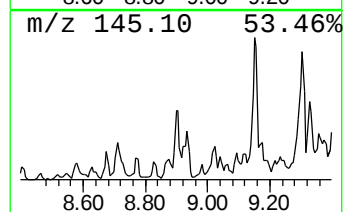
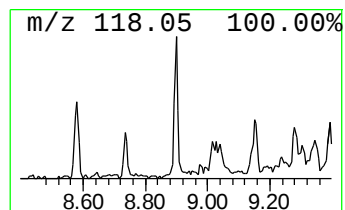
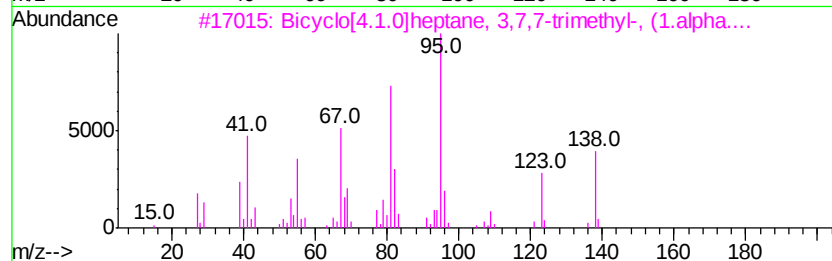
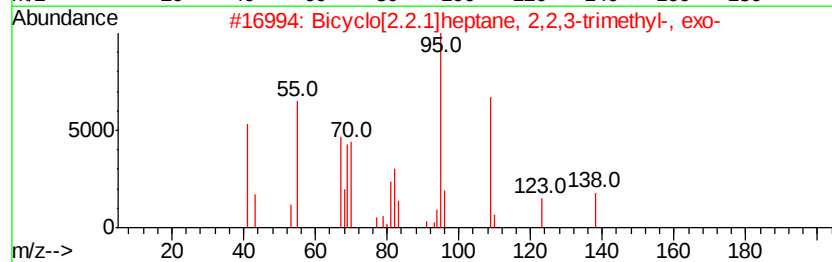
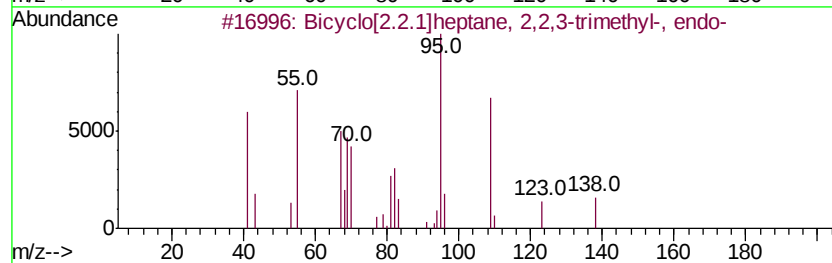
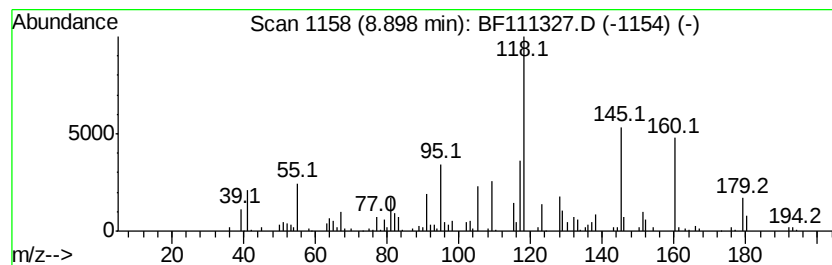
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 7 unknown8.90 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	2.50 ng	319555	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	38
2		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	38
3		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	35
4		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	20
5		Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	20



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Data File : BF111327.D
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Operator : JU/SJ
Sample : J6344-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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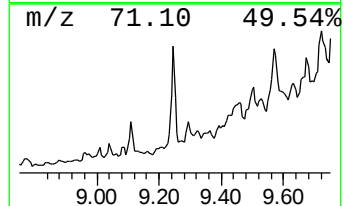
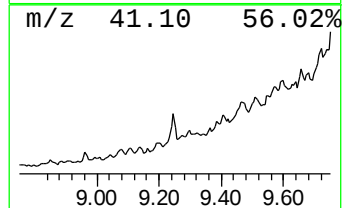
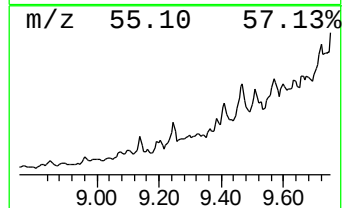
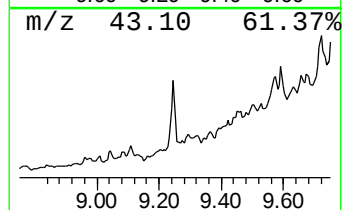
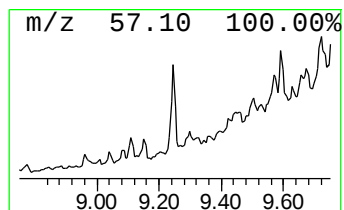
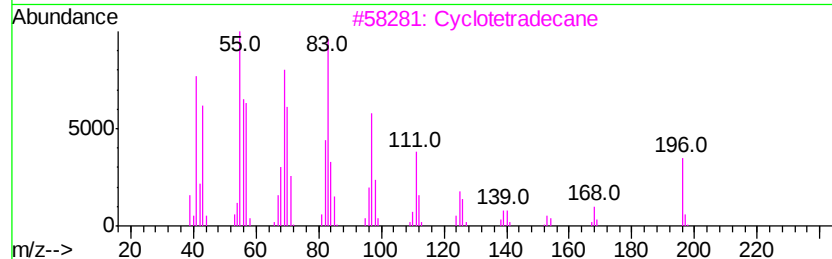
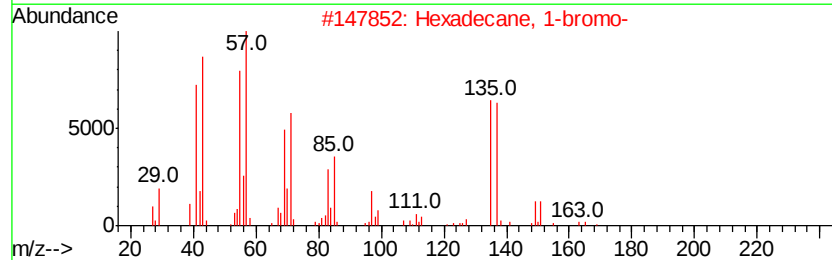
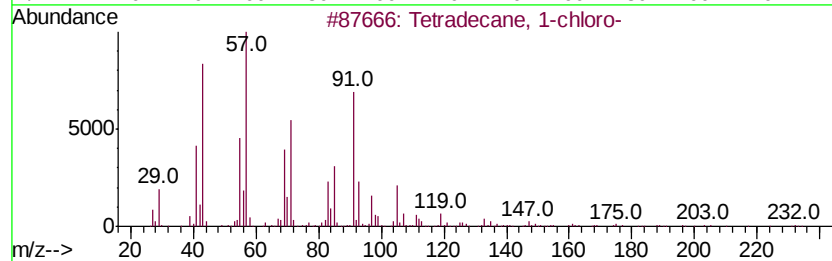
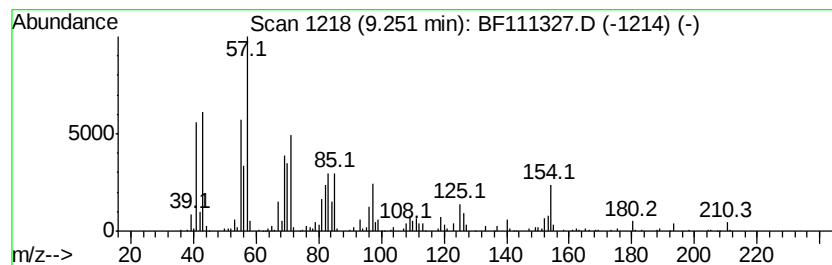
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetradecane, 1-chloro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	3.07 ng	816861	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	72
2		Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	64
3		Cyclotetradecane	196	C14H28	000295-17-0	55
4		4-Tetradecene, (Z)-	196	C14H28	041446-65-5	53
5		6-Tetradecene, (E)-	196	C14H28	041446-64-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111327.D
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Operator : JU/SJ
Sample : J6344-01
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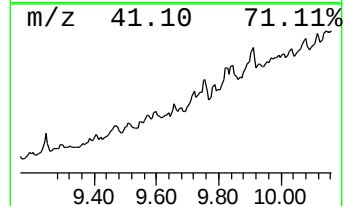
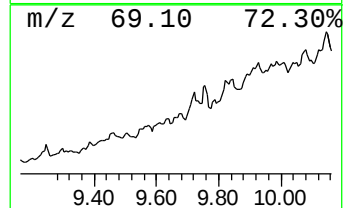
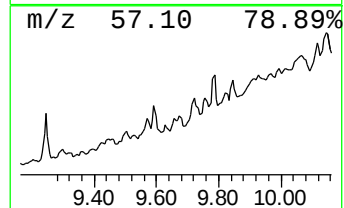
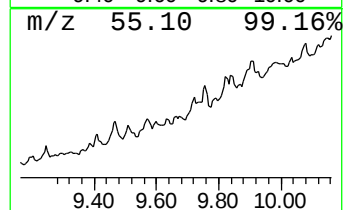
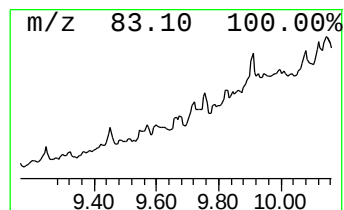
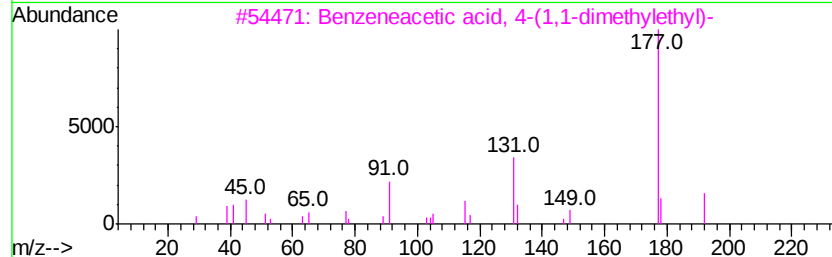
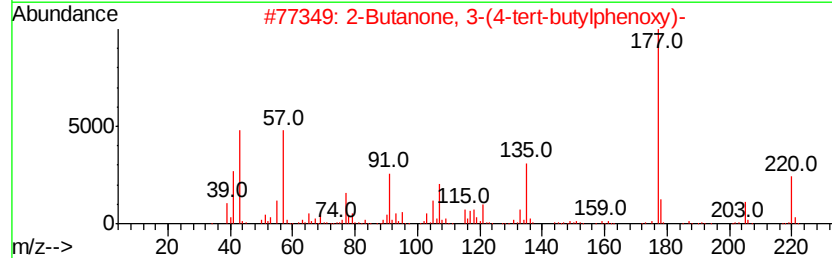
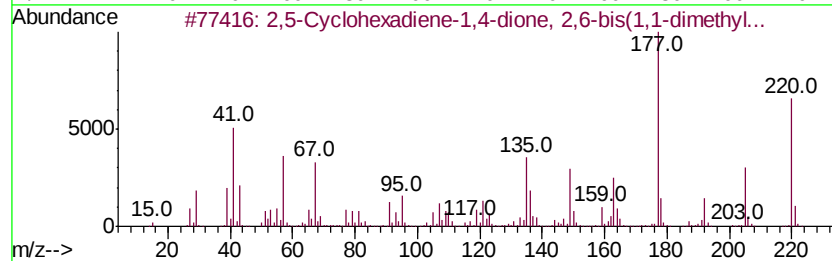
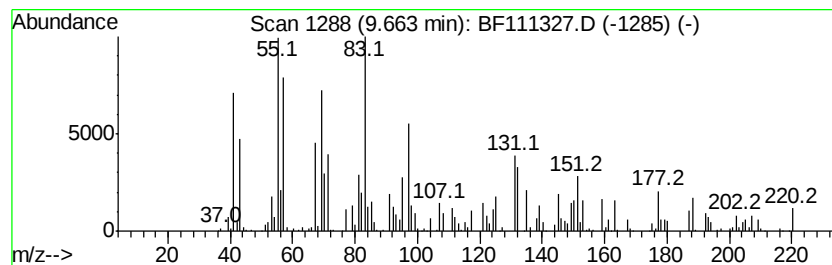
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2,5-Cyclohexadiene-1,4-dione... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.66	2.40 ng	637538	Acenaphthene-d10	9.83		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	94	
2	2-Butanone, 3-(4-tert-butylpheno...	220	C14H20O2	160875-28-5	46	
3	Benzeneacetic acid, 4-(1,1-dimet...	192	C12H16O2	032857-63-9	43	
4	N-[4-(Ethyl-methyl-amino)-phenyl...	192	C11H16N2O	099981-45-0	43	
5	Thiocoumarine, 4,4,6,7-tetramethyl-	220	C13H16OS	1000128-90-2	43	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Acq On : 12 Dec 2018 17:53
Operator : JU/SJ
Sample : J6344-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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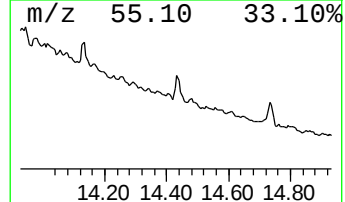
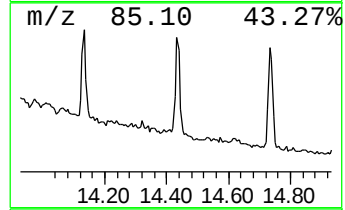
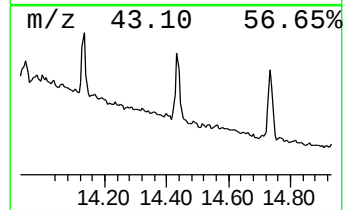
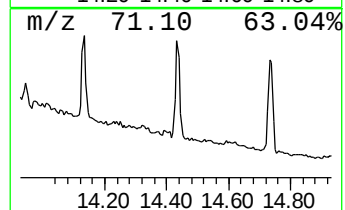
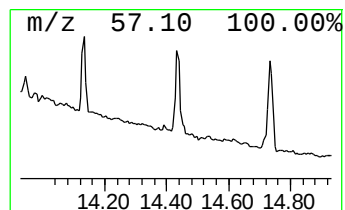
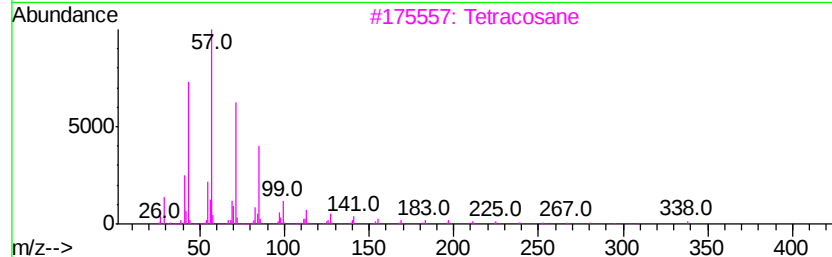
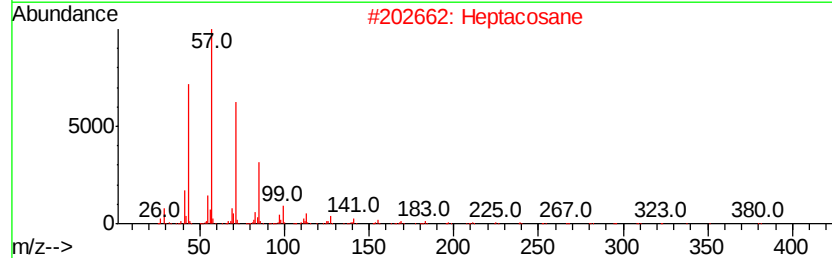
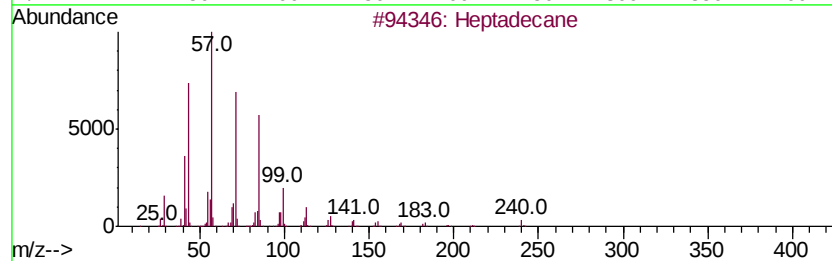
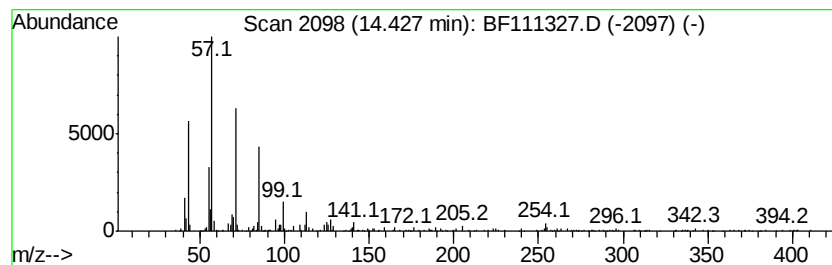
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	20.00 ng	831391	Chrysene-d12	13.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	93
2	Heptacosane		380	C27H56	000593-49-7	90
3	Tetracosane		338	C24H50	000646-31-1	87
4	3,5-Dimethyldodecane		198	C14H30	107770-99-0	87
5	Heneicosane		296	C21H44	000629-94-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111327.D
Acq On : 12 Dec 2018 17:53
Operator : JU/SJ
Sample : J6344-01
Misc :
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Instrument :
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ClientSampleId :
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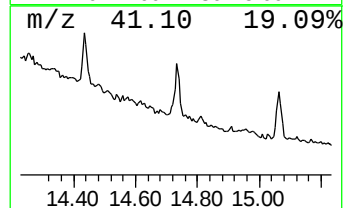
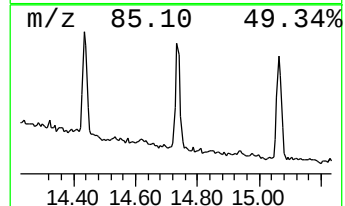
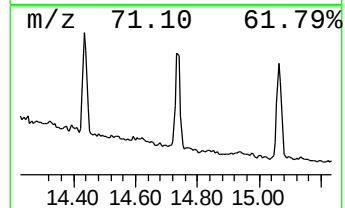
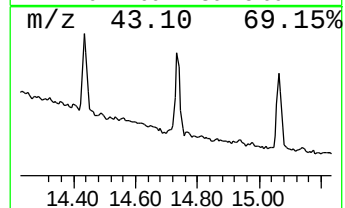
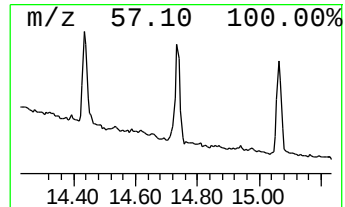
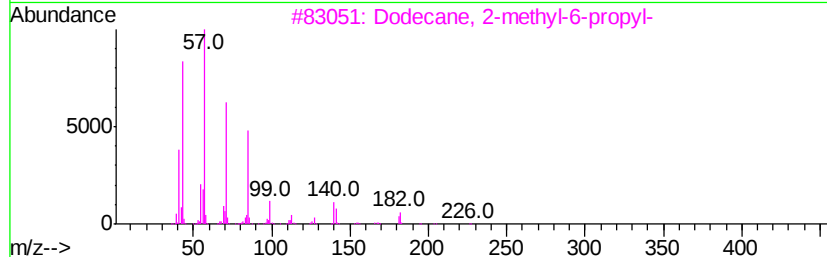
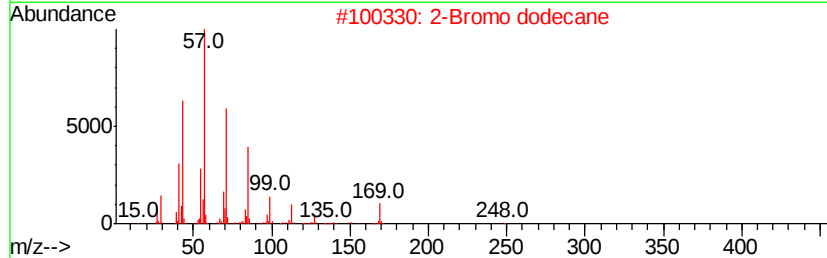
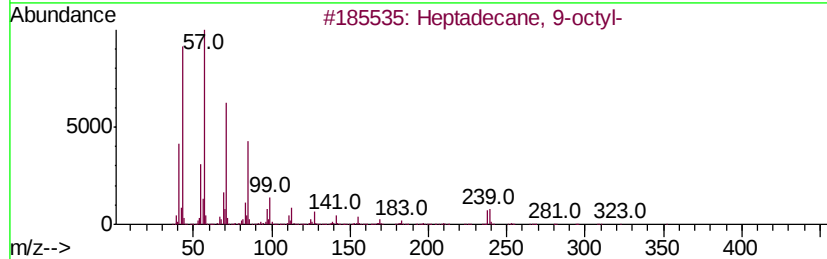
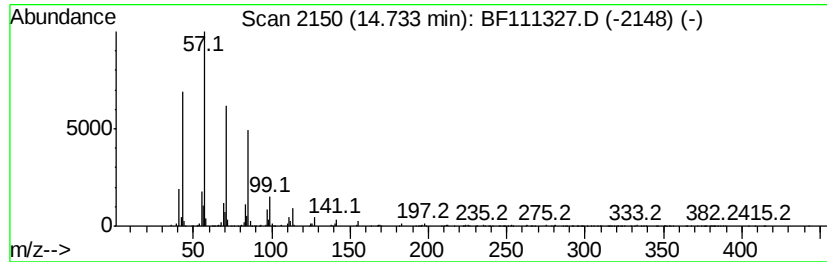
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptadecane, 9-octyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	15.72 ng	884911	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	90
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4		Heneicosane	296	C21H44	000629-94-7	90
5		Eicosane, 3-methyl-	296	C21H44	006418-46-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Acq On : 12 Dec 2018 17:53
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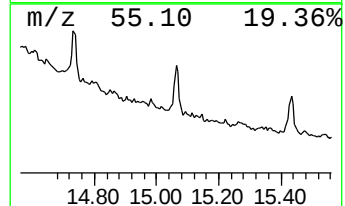
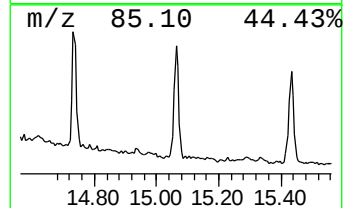
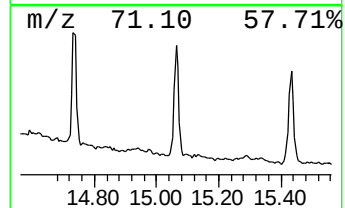
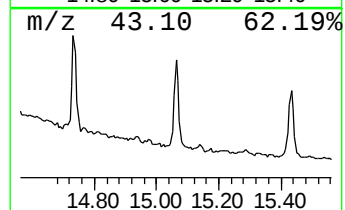
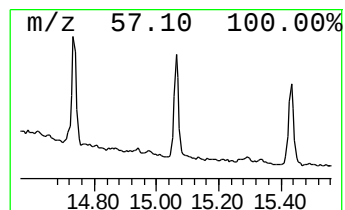
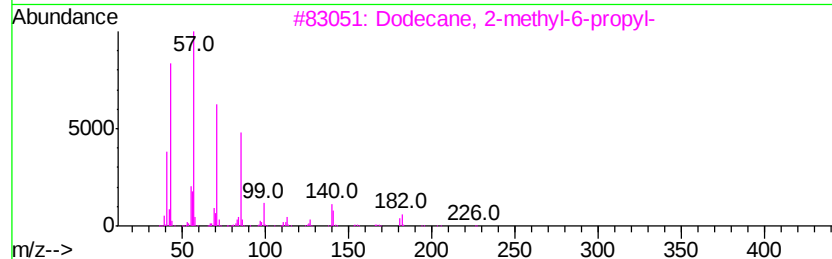
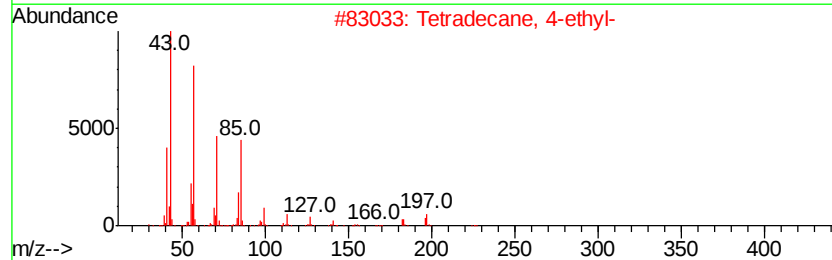
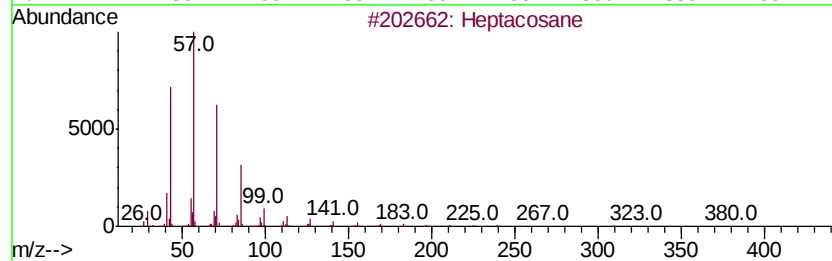
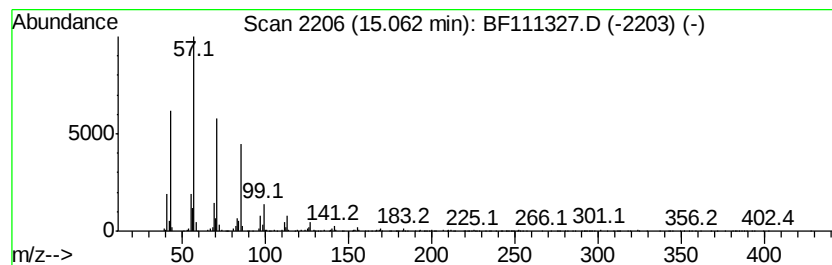
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	19.45 ng	1095240	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	98
2		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	91
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4		Pentacosane	352	C25H52	000629-99-2	90
5		Tetracosane	338	C24H50	000646-31-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111327.D
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Misc :
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ClientSampleId :
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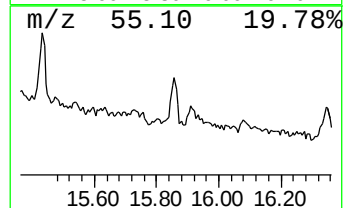
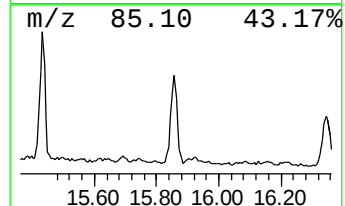
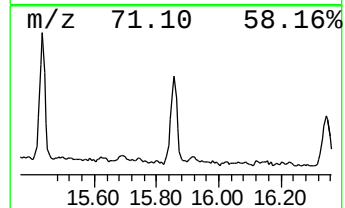
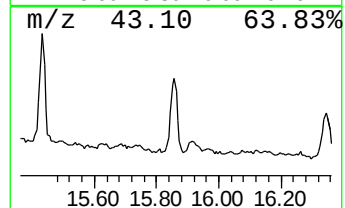
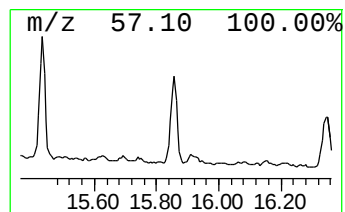
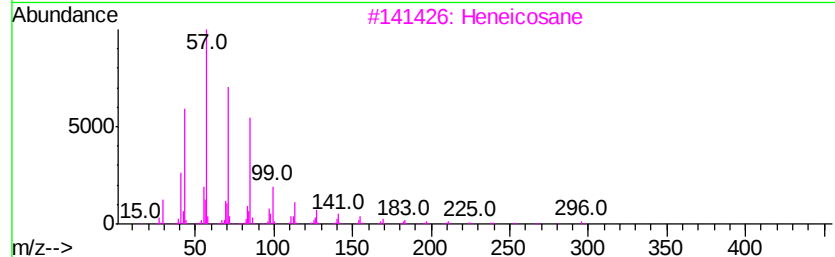
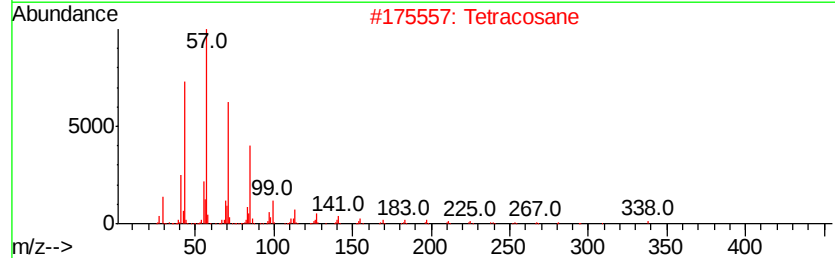
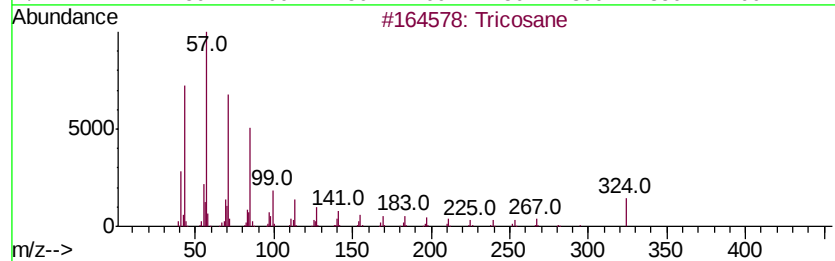
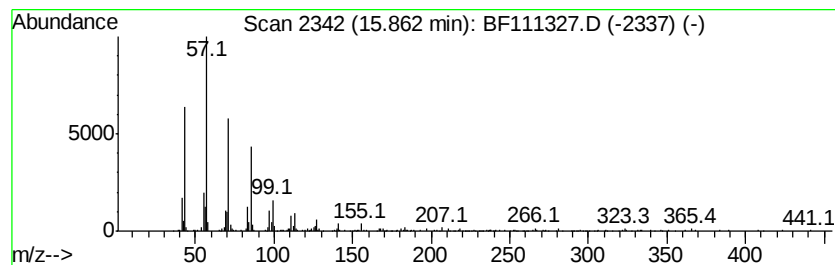
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tricosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	10.31 ng	580807	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricosane	324	C23H48	000638-67-5	93
2		Tetracosane	338	C24H50	000646-31-1	91
3		Heneicosane	296	C21H44	000629-94-7	90
4		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	87
5		Heptacosane	380	C27H56	000593-49-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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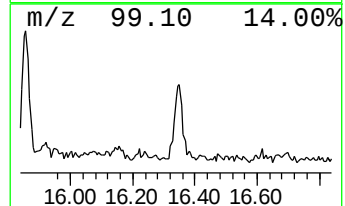
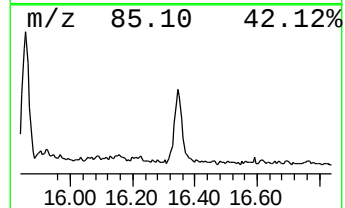
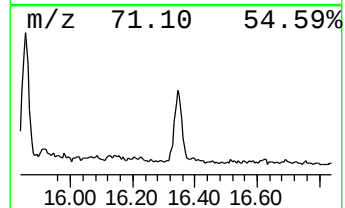
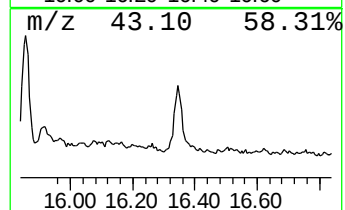
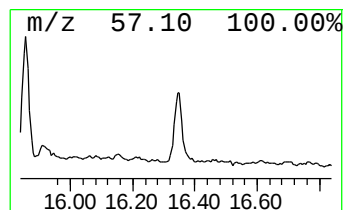
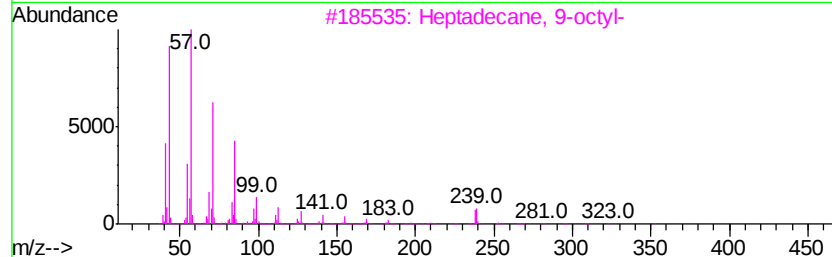
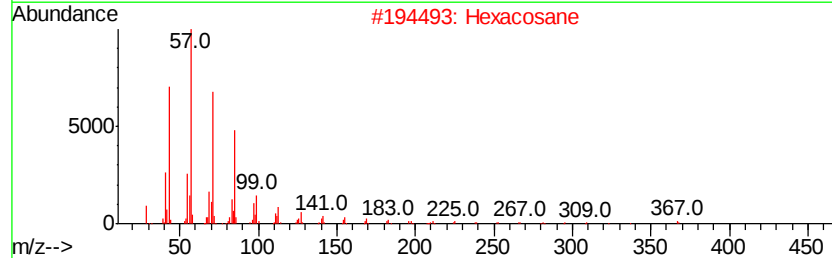
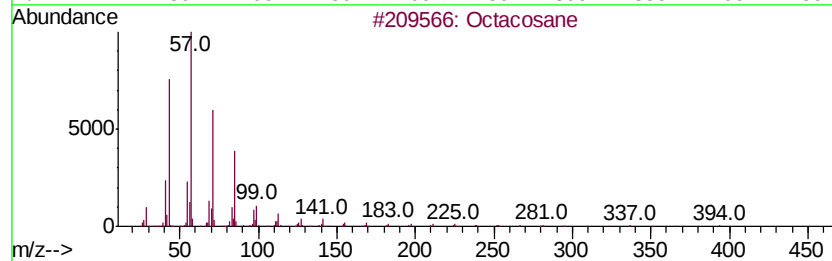
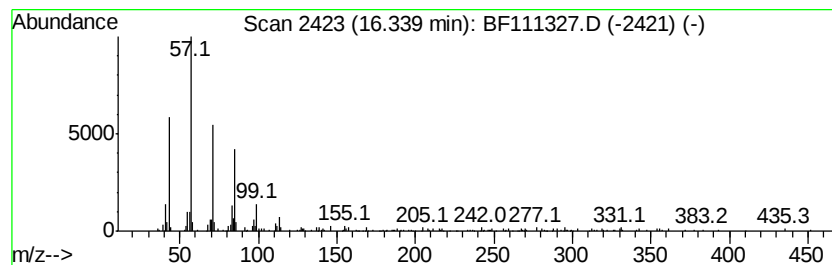
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	5.34 ng	300830	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	87
2		Hexacosane	366	C26H54	000630-01-3	87
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86
4		Docosane, 11-butyl-	366	C26H54	013475-76-8	86
5		Heptacosane	380	C27H56	000593-49-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111327.D
Acq On : 12 Dec 2018 17:53
Operator : JU/SJ
Sample : J6344-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200027

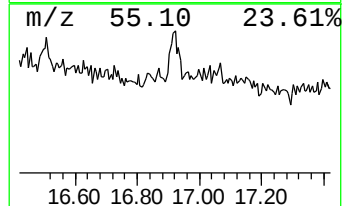
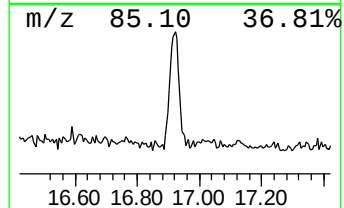
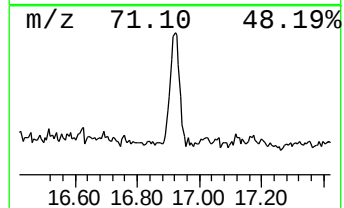
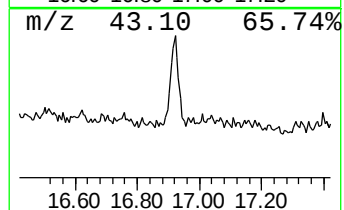
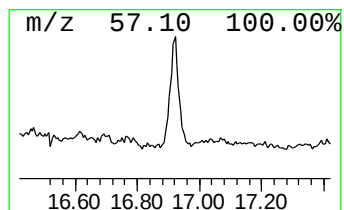
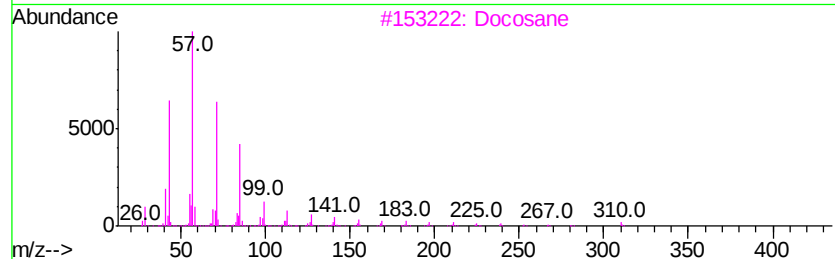
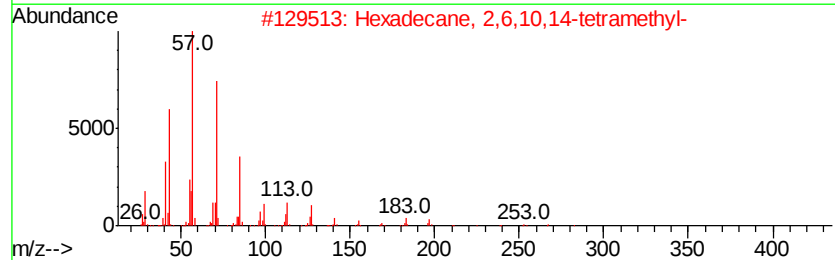
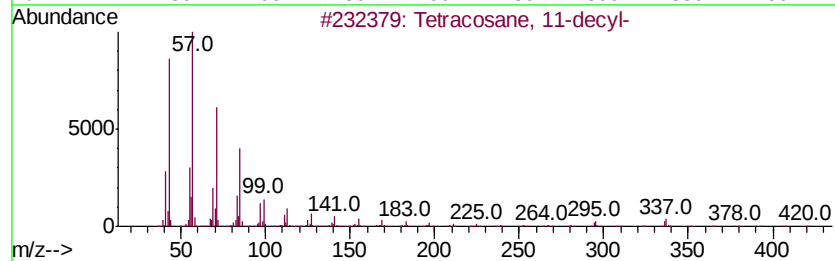
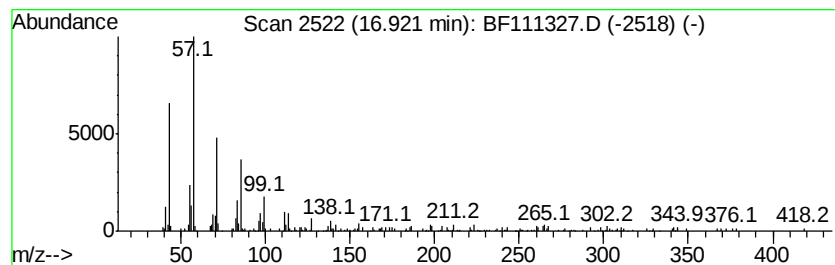
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetracosane, 11-decyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	4.03 ng	226656	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	83
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	81
3		Docosane	310	C22H46	000629-97-0	81
4		Hentriacontane	437	C31H64	000630-04-6	80
5		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111327.D
 Acq On : 12 Dec 2018 17:53
 Operator : JU/SJ
 Sample : J6344-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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...	5.00	4.9 ng		454159	1	6.79	1870440	20.0
Ethylene glycol m...	5.74	3.5 ng		326784	1	6.79	1870440	20.0
unknown6.56	6.56	79.2 ng		7408380	1	6.79	1870440	20.0
Cyclohexene, 1-me...	6.92	3.4 ng		315825	1	6.79	1870440	20.0
Tridecane	8.67	3.0 ng		388399	2	8.07	2559700	20.0
unknown8.90	8.90	2.5 ng		319555	2	8.07	2559700	20.0
Tetradecane, 1-ch...	9.25	3.1 ng		816861	3	9.83	5318170	20.0
2,5-Cyclohexadien...	9.66	2.4 ng		637538	3	9.83	5318170	20.0
Heptadecane	14.43	20.0 ng		831391	5	13.96	831391	20.0
Heptadecane, 9-oc...	14.73	15.7 ng		884911	6	15.39	1126200	20.0
Heptacosane	15.06	19.4 ng		1095240	6	15.39	1126200	20.0
Tricosane	15.86	10.3 ng		580807	6	15.39	1126200	20.0
Octacosane	16.34	5.3 ng		300830	6	15.39	1126200	20.0
Tetracosane, 11-d...	16.92	4.0 ng		226656	6	15.39	1126200	20.0