

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\
 Data File : BF091481.D
 Acq On : 7 Dec 2016 20:43
 Operator : UM/SJ
 Sample : H5882-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER-2079

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-BF112916.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	4.493	191	193	195	rBV	95195	107982	2.14%	0.288%
2	5.007	235	238	242	rBV	517217	581481	11.54%	1.552%
3	5.076	242	244	247	rVB	58524	66896	1.33%	0.179%
4	5.430	273	275	277	rVB	2187170	1963381	38.96%	5.239%
5	6.459	362	365	367	rBV	1475069	1266649	25.14%	3.380%
6	6.596	374	377	380	rBV	3204206	3230106	64.10%	8.620%
7	6.825	395	397	400	rBV	790417	1031988	20.48%	2.754%
8	6.916	401	405	409	rBV3	88875	178451	3.54%	0.476%
9	6.985	409	411	414	rVB	2647315	3025516	60.04%	8.074%
10	7.236	430	433	435	rBV	61740	62665	1.24%	0.167%
11	7.396	443	447	449	rBV	2692079	2836828	56.29%	7.570%
12	7.819	480	484	486	rBV	318100	308904	6.13%	0.824%
13	8.116	507	510	512	rBV	1558518	1408525	27.95%	3.759%
14	8.962	581	584	591	rBV2	31380	65082	1.29%	0.174%
15	9.191	601	604	607	rBV	3679602	4540742	90.11%	12.117%
16	9.351	614	618	620	rBV3	56127	74427	1.48%	0.199%
17	9.682	644	647	651	rBV2	38607	75949	1.51%	0.203%
18	9.865	660	663	665	rBV	1652420	1555271	30.86%	4.150%
19	10.196	690	692	696	rBV3	47176	59093	1.17%	0.158%
20	10.379	707	708	714	rVB2	41501	70175	1.39%	0.187%
21	10.585	722	726	729	rBV	70835	94641	1.88%	0.253%
22	10.653	729	732	735	rVV	3158404	3603961	71.52%	9.617%
23	10.734	737	739	743	rVV	270494	242860	4.82%	0.648%
24	11.351	790	793	795	rVB	1665188	1601555	31.78%	4.274%
25	11.876	838	839	841	rBV2	102557	110318	2.19%	0.294%
26	11.922	841	843	847	rVB	424664	369984	7.34%	0.987%
27	12.665	906	908	911	rBV	202018	196908	3.91%	0.525%
28	12.814	919	921	925	rVB	77010	75305	1.49%	0.201%
29	12.939	929	932	933	rBV	4924146	5039304	100.00%	13.448%
30	12.974	933	935	937	rVB	419825	533902	10.59%	1.425%
31	13.900	1014	1016	1018	rBV	471277	472375	9.37%	1.261%
32	13.980	1020	1023	1025	rVB	1360619	1267353	25.15%	3.382%
33	14.734	1087	1089	1093	rBV	296019	319655	6.34%	0.853%
34	15.397	1144	1147	1150	rBV	713019	858730	17.04%	2.292%

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Integration Parameters: rteint.p
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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 >
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35	15.705	1171	1174	1185	rBV	90093	176143	3.50%	0.470%
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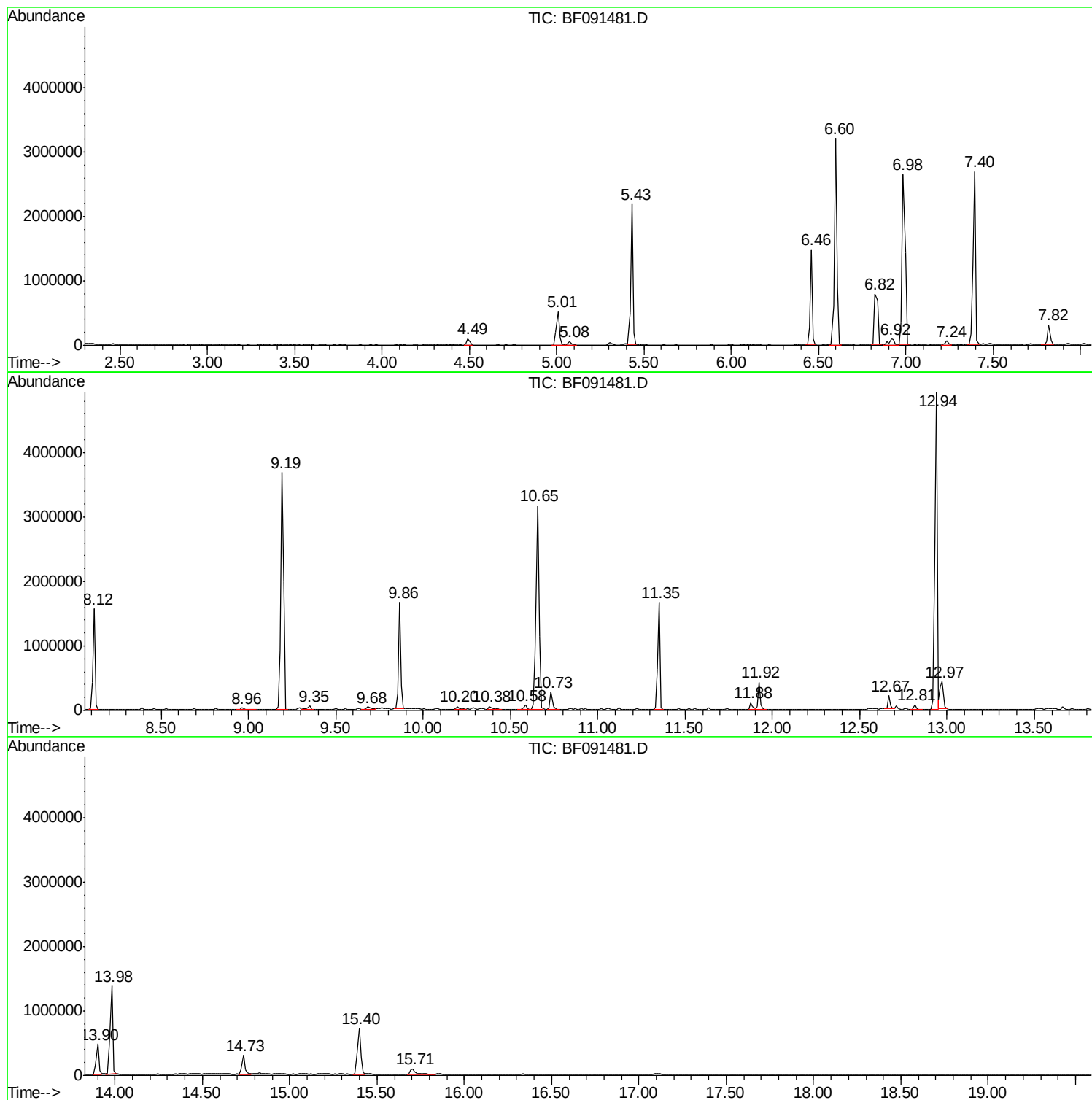
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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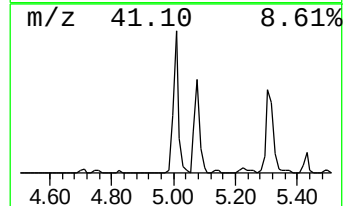
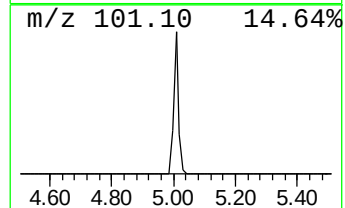
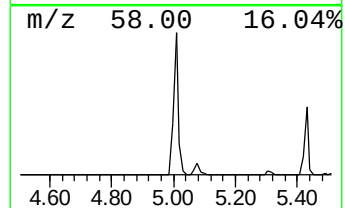
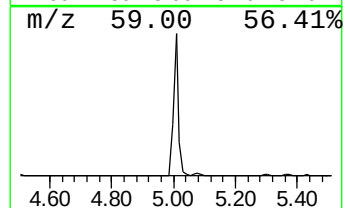
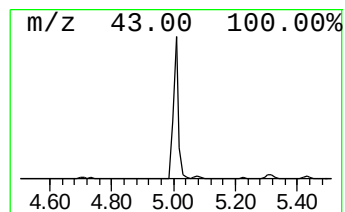
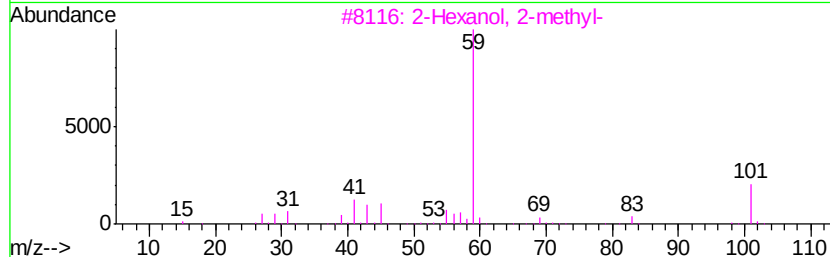
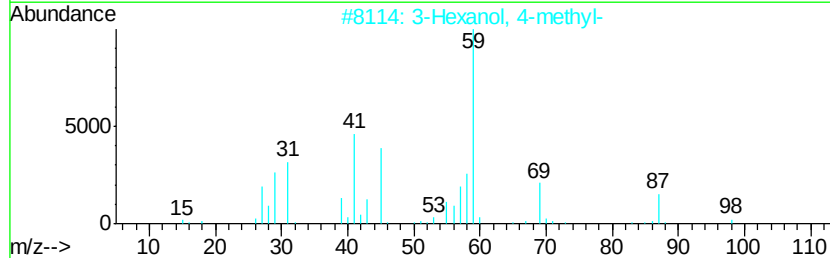
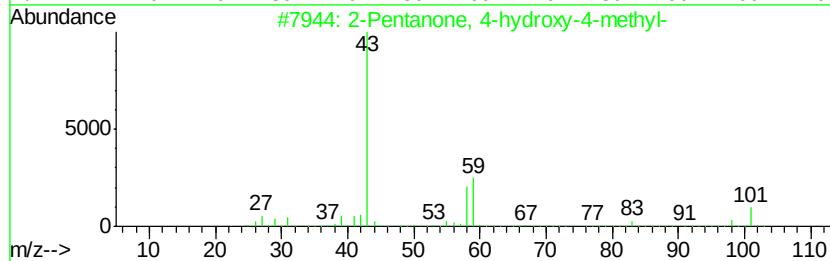
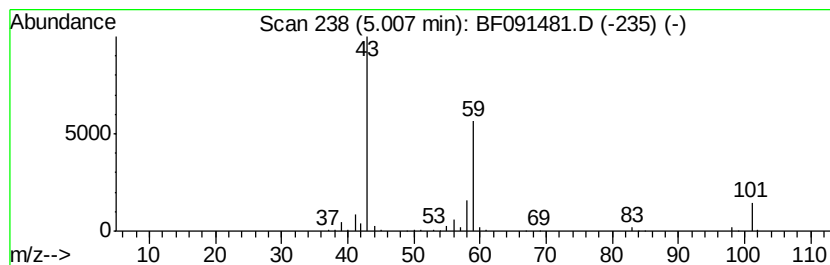
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	11.27 ng	581481	1,4-Dichlorobenzene-d4	6.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



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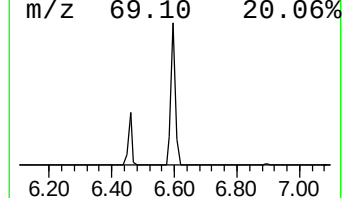
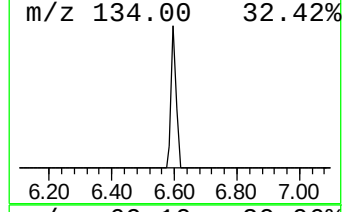
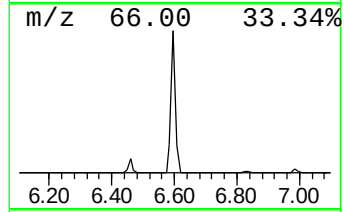
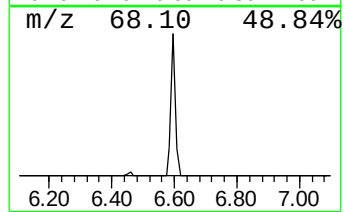
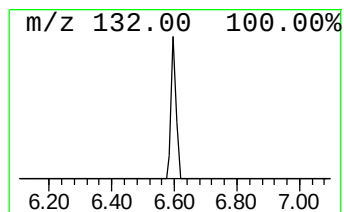
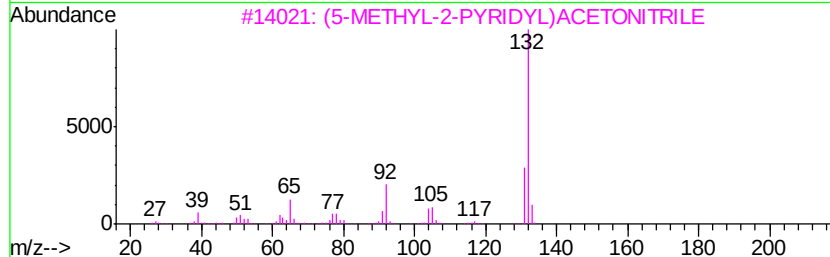
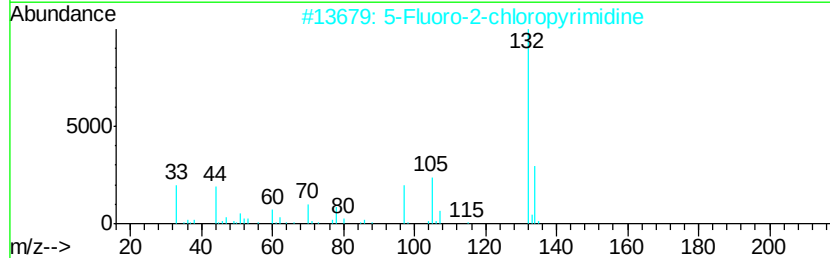
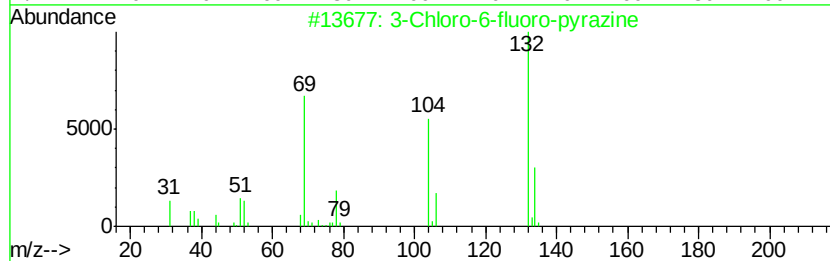
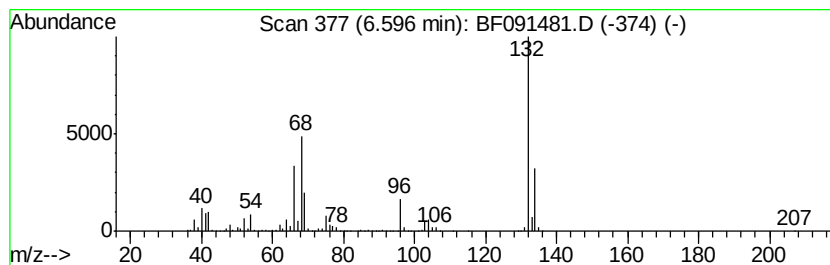
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	62.60 ng	3230110	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4		1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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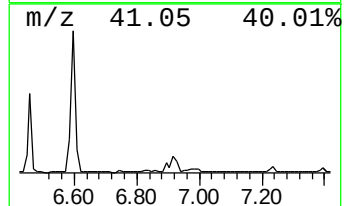
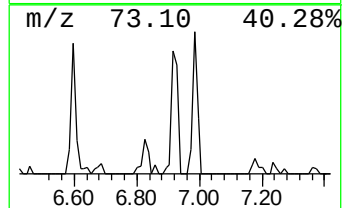
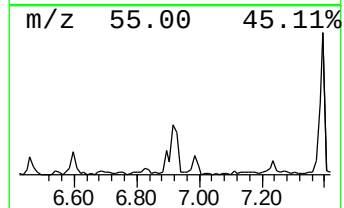
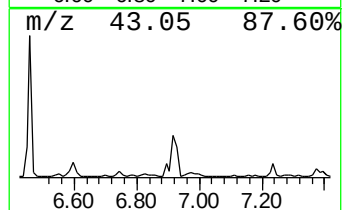
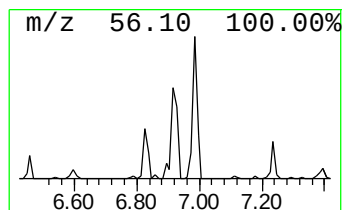
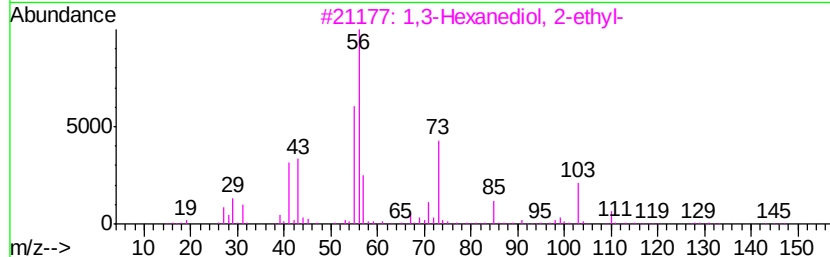
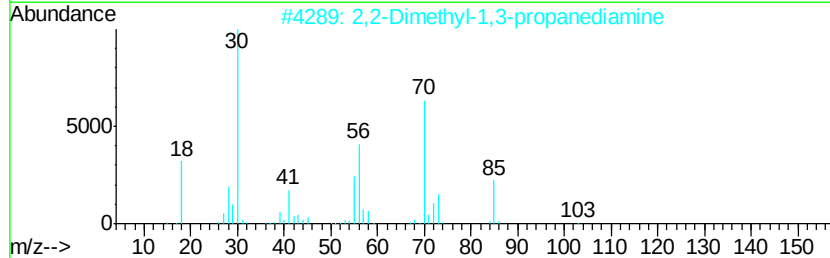
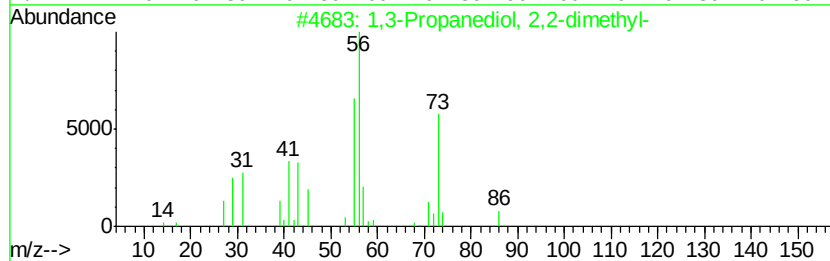
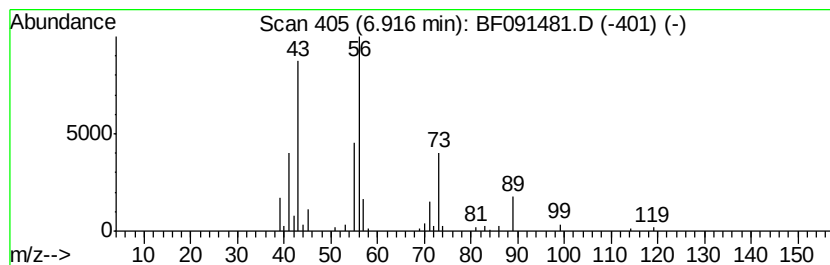
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.92 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	3.46 ng	178451	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Propanediol, 2,2-dimethyl-	104	C5H12O2	000126-30-7	45
2		2,2-Dimethyl-1,3-propanediamine	102	C5H14N2	007328-91-8	42
3		1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	40
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	33
5		Pentanal, 3-methyl-	100	C6H12O	015877-57-3	33



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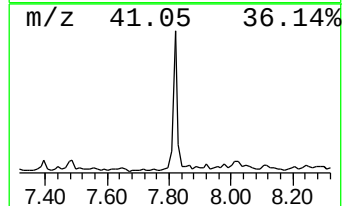
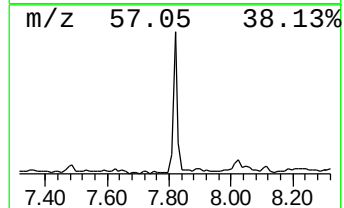
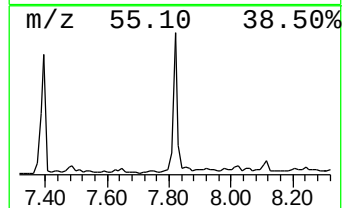
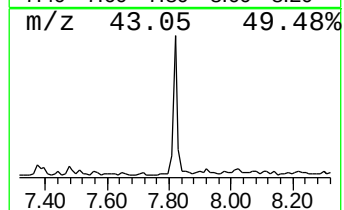
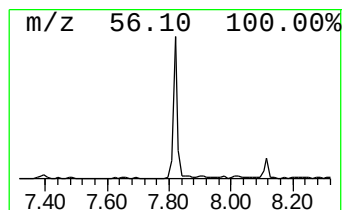
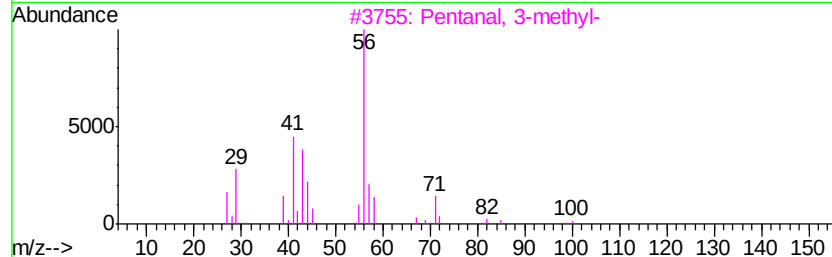
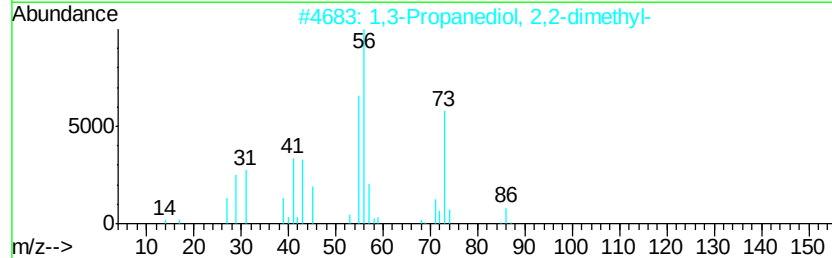
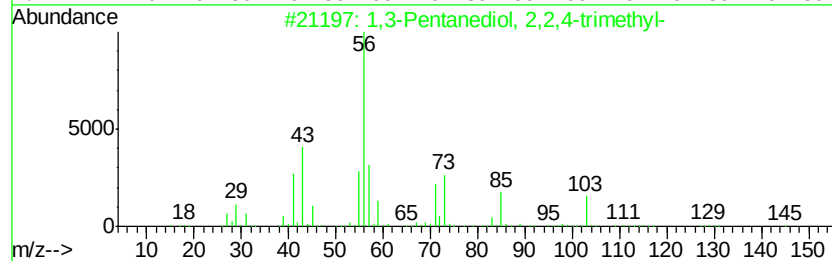
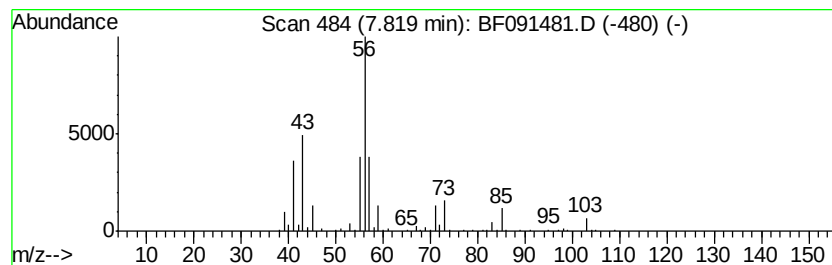
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,3-Pentanediol, 2,2,4-trim... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	4.39 ng	308904	Napthalene-d8	8.12

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	83
2		1,3-Propanediol, 2,2-dimethyl-	104	C5H12O2	000126-30-7	37
3		Pentanal, 3-methyl-	100	C6H12O	015877-57-3	36
4		1-Hexene, 5-methyl-	98	C7H14	003524-73-0	33
5		Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	25



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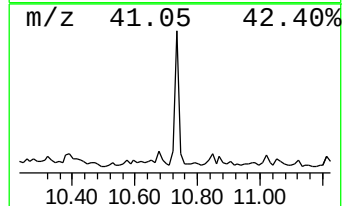
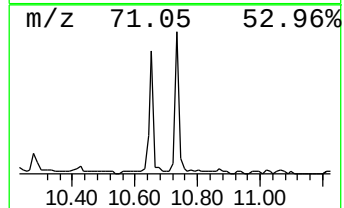
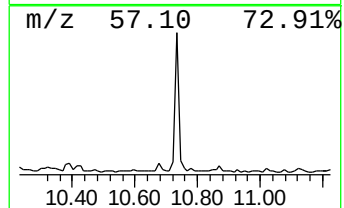
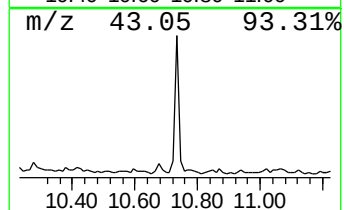
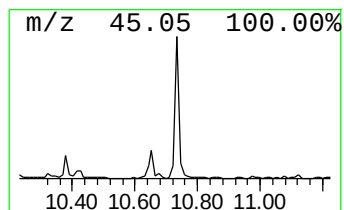
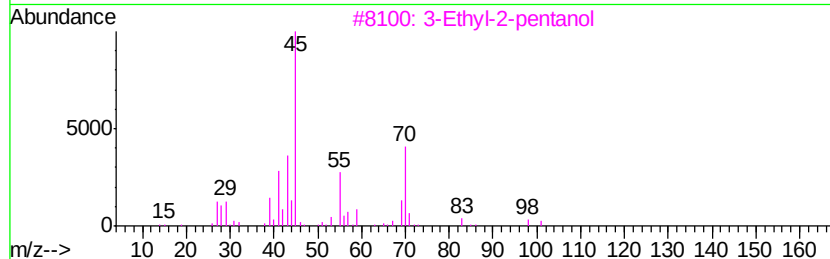
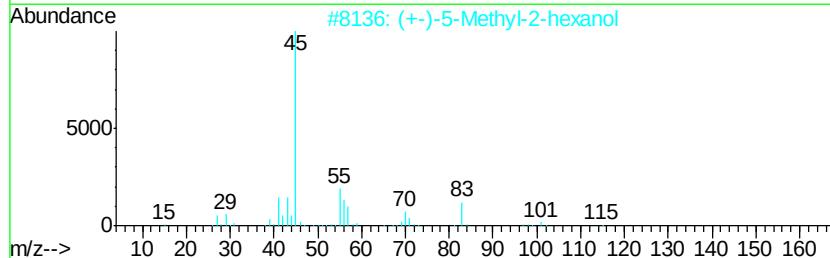
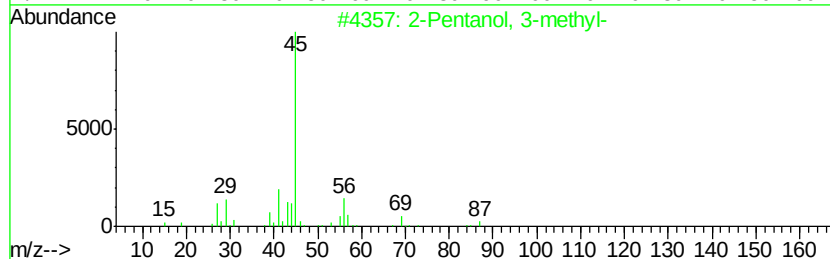
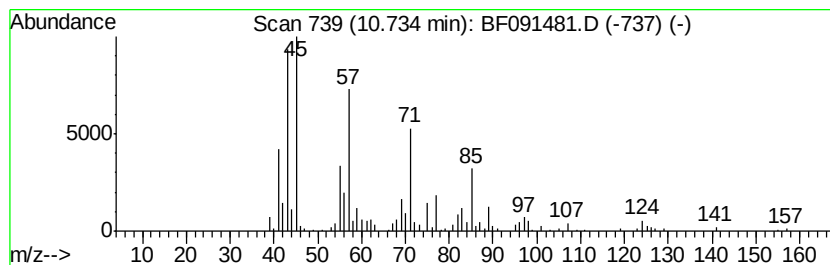
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 7 unknown10.73 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	3.03 ng	242860	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	38	
2	(+)-5-Methyl-2-hexanol	116	C7H16O	111768-09-3	38	
3	3-Ethyl-2-pentanol	116	C7H16O	000609-27-8	38	
4	2-(2-Hexyloxvethoxy)ethanol	190	C10H22O3	000112-59-4	35	
5	Heptaethylene glycol	326	C14H30O8	005617-32-3	35	



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Misc :
ALS Vial : 13 Sample Multiplier: 1

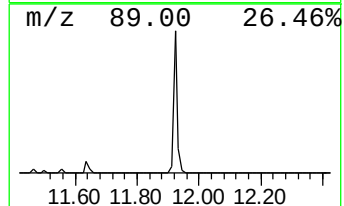
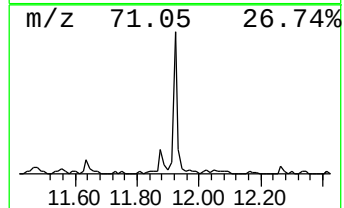
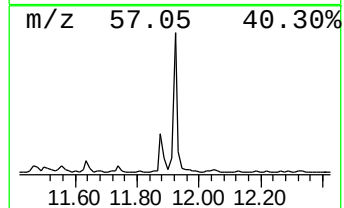
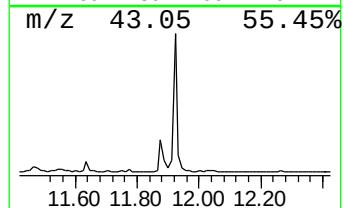
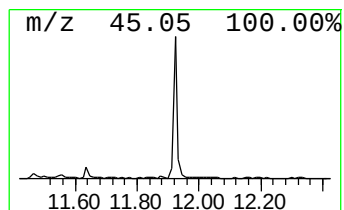
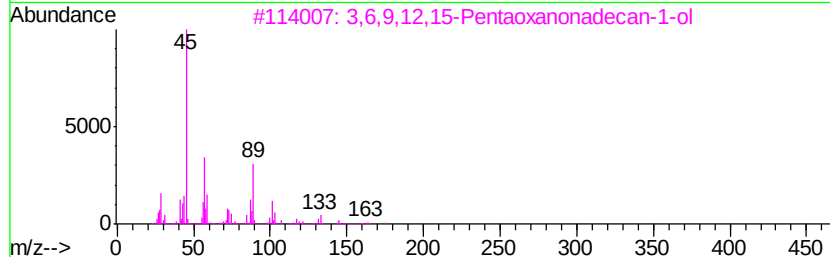
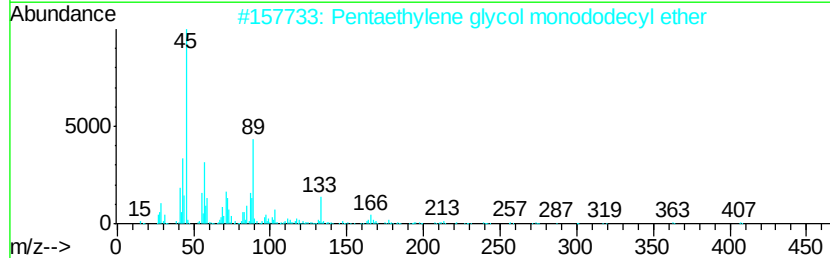
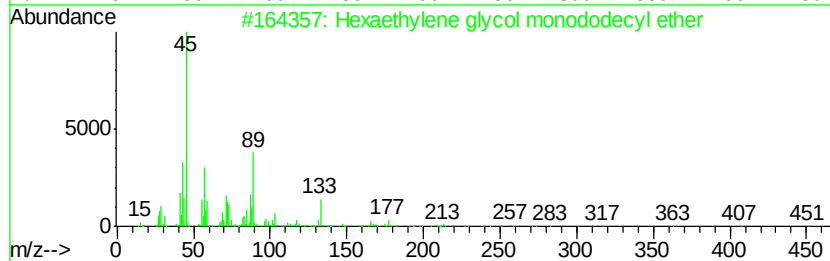
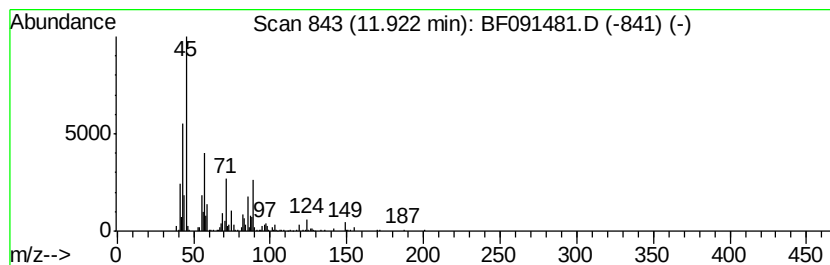
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER-2079

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexaethylene glycol monododecyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	4.62 ng	369984	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexaethylene glycol monododecyl ...	450	C24H50O7	003055-96-7	72
2	Pentaethylene glycol monododecyl...	406	C22H46O6	003055-95-6	72
3	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	59
4	Pentaethylene glycol	238	C10H22O6	004792-15-8	58
5	Ethanol, 2,2'-[oxybis(2,1-ethane...	194	C8H18O5	000112-60-7	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\
Data File : BF091481.D
Acq On : 7 Dec 2016 20:43
Operator : UM/SJ
Sample : H5882-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER-2079

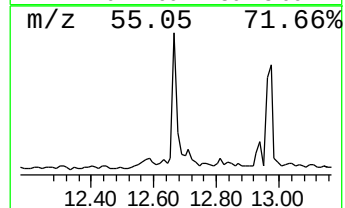
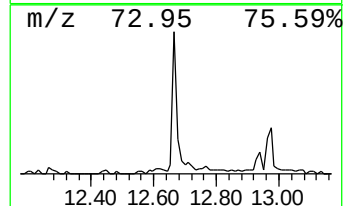
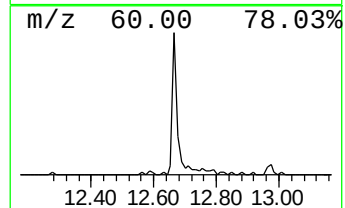
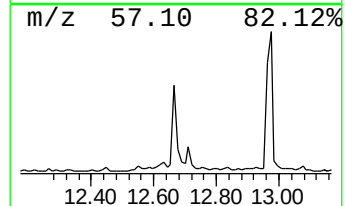
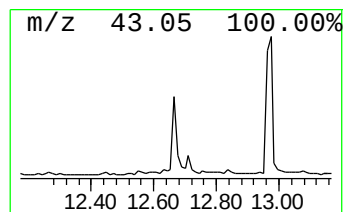
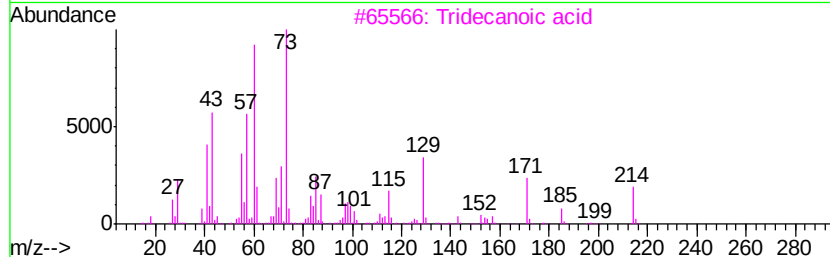
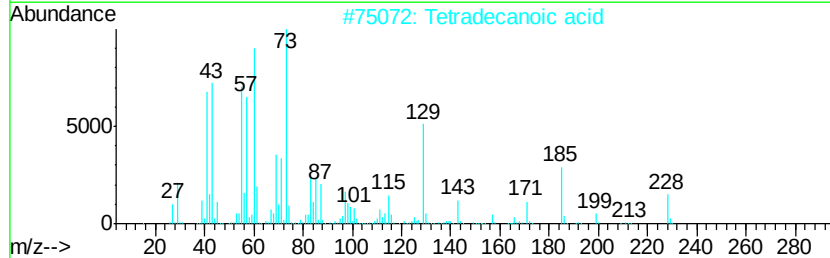
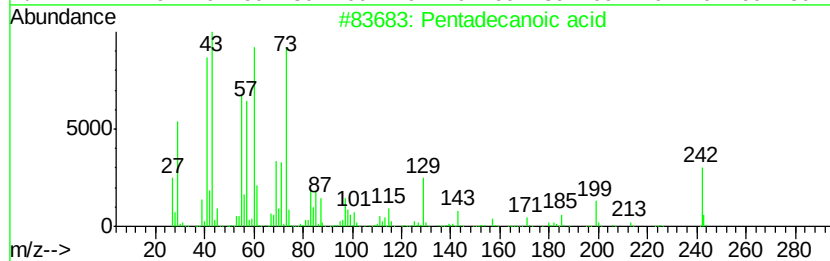
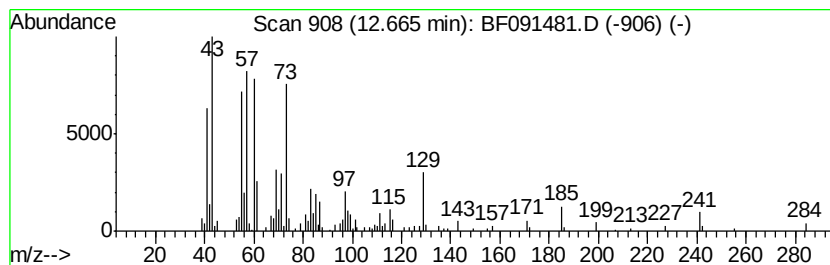
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pentadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	2.46 ng	196908	Phenanthrene-d10	11.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecanoic acid	242	C15H30O2	001002-84-2	70
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3			Tridecanoic acid	214	C13H26O2	000638-53-9	64
4			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	59
5			Dodecanoic acid	200	C12H24O2	000143-07-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120716\
Data File : BF091481.D
Acq On : 7 Dec 2016 20:43
Operator : UM/SJ
Sample : H5882-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER-2079

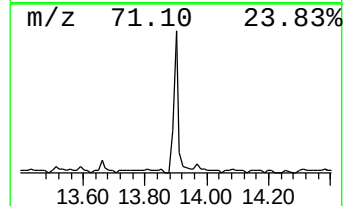
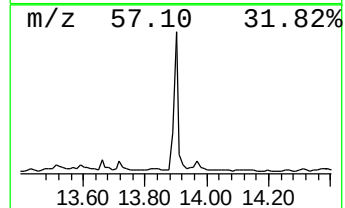
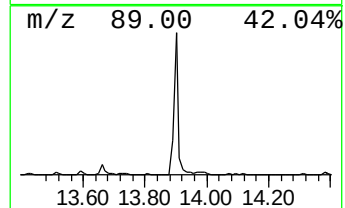
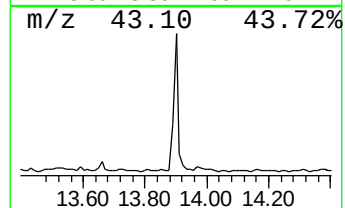
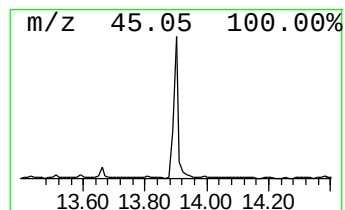
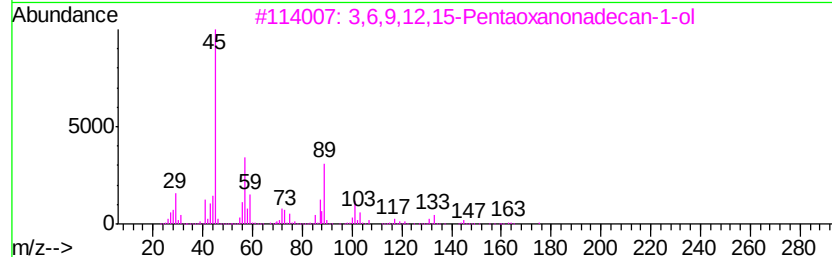
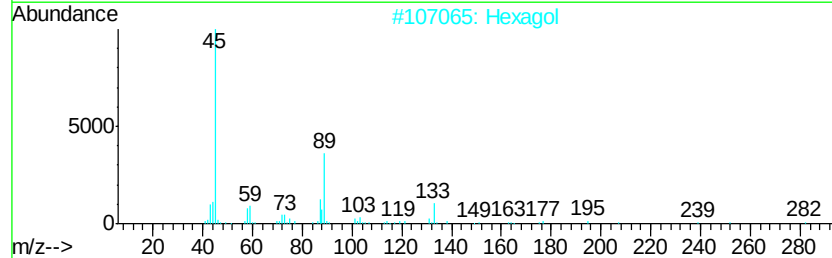
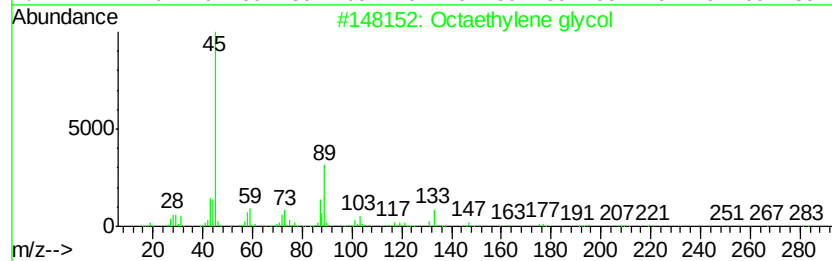
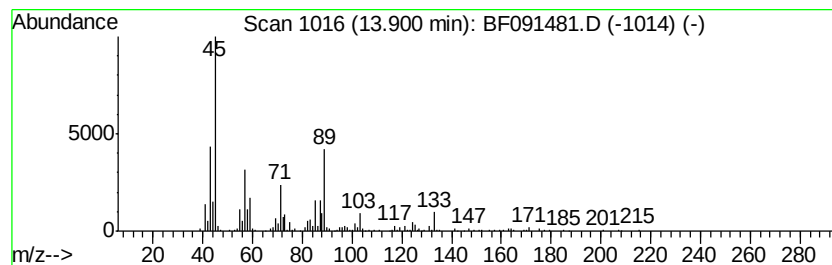
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octaethylene glycol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	7.45 ng	472375	Chrysene-d12	13.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octaethylene glycol	370	C16H34O9	1000289-34-2	81
2			Hexagol	282	C12H26O7	002615-15-8	72
3			3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	72
4			Pentaethylene glycol	238	C10H22O6	004792-15-8	59
5			Heptaethylene glycol	326	C14H30O8	005617-32-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120716\
Data File : BF091481.D
Acq On : 7 Dec 2016 20:43
Operator : UM/SJ
Sample : H5882-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER-2079

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.01	11.3	ng	581481	1	6.84	1031990	20.0
unknown6.60	6.60	62.6	ng	3230110	1	6.84	1031990	20.0
unknown6.92	6.92	3.5	ng	178451	1	6.84	1031990	20.0
1,3-Pentanediol, ...	7.82	4.4	ng	308904	2	8.12	1408530	20.0
unknown10.73	10.73	3.0	ng	242860	4	11.35	1601560	20.0
Hexaethylene glyc...	11.92	4.6	ng	369984	4	11.35	1601560	20.0
Pentadecanoic acid	12.67	2.5	ng	196908	4	11.35	1601560	20.0
Octaethylene glycol	13.90	7.5	ng	472375	5	13.98	1267350	20.0