

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079730.D
 Acq On : 5 Jun 2015 6:39
 Operator : TP/IZ
 Sample : G2450-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.2-SP

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-BF060415.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	1.370	15	16	18	rVB	16489186	11377106	100.00%	27.674%
2	1.495	25	27	30	rVB	146262	198794	1.75%	0.484%
3	2.455	108	111	124	rVB	422152	811769	7.14%	1.975%
4	2.924	149	152	155	rVB	160511	239563	2.11%	0.583%
5	6.124	430	432	435	rBV	1394246	1556909	13.68%	3.787%
6	7.107	516	518	520	rVB	1833799	1741221	15.30%	4.235%
7	7.279	530	533	535	rBV	2101907	1757184	15.44%	4.274%
8	7.507	551	553	555	rBV	416039	413950	3.64%	1.007%
9	7.667	565	567	570	rBV	1295500	1298321	11.41%	3.158%
10	8.067	599	602	604	rBV	1024053	962359	8.46%	2.341%
11	8.799	664	666	671	rVB2	494741	664749	5.84%	1.617%
12	9.873	758	760	762	rVB	2089656	2150480	18.90%	5.231%
13	10.262	792	794	795	rBV	265103	233751	2.05%	0.569%
14	10.445	807	810	811	rBV	194129	241494	2.12%	0.587%
15	10.582	820	822	824	rBV	807695	740770	6.51%	1.802%
16	10.982	854	857	861	rBV2	136641	238577	2.10%	0.580%
17	11.371	889	891	894	rBV2	969754	1353683	11.90%	3.293%
18	11.473	897	900	902	rBV	411999	514839	4.53%	1.252%
19	12.102	953	955	956	rBV	864435	794011	6.98%	1.931%
20	12.182	961	962	963	rBV	227475	183401	1.61%	0.446%
21	12.754	1011	1012	1016	rVB2	92446	198990	1.75%	0.484%
22	13.245	1053	1055	1057	rBV	244263	234756	2.06%	0.571%
23	13.439	1070	1072	1074	rBV	818995	872007	7.66%	2.121%
24	13.542	1079	1081	1086	rBV2	93764	197285	1.73%	0.480%
25	13.679	1091	1093	1094	rBV	255660	288383	2.53%	0.701%
26	13.702	1094	1095	1098	rVB	748630	848954	7.46%	2.065%
27	13.851	1106	1108	1110	rBV	2362518	2724112	23.94%	6.626%
28	14.537	1166	1168	1170	rBV	123680	188142	1.65%	0.458%
29	14.720	1183	1184	1187	rVB	144828	189519	1.67%	0.461%
30	14.960	1202	1205	1211	rBV5	355063	1004957	8.83%	2.444%
31	15.200	1223	1226	1228	rBV2	951682	1797808	15.80%	4.373%
32	15.405	1242	1244	1246	rBV2	162589	192127	1.69%	0.467%
33	15.840	1280	1282	1283	rBV	221854	274045	2.41%	0.667%
34	16.274	1318	1320	1322	rBV2	167594	216270	1.90%	0.526%

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ClientSampleId :
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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:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
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35	16.640	1349	1352	1357	rBV	563955	1475248	12.97%	3.588%
36	17.063	1386	1389	1393	rVB	384911	753329	6.62%	1.832%
37	17.143	1393	1396	1400	rBV	436718	765685	6.73%	1.862%
38	17.234	1401	1404	1406	rBV	507290	864189	7.60%	2.102%
39	19.257	1579	1581	1587	rVB2	229013	553157	4.86%	1.345%

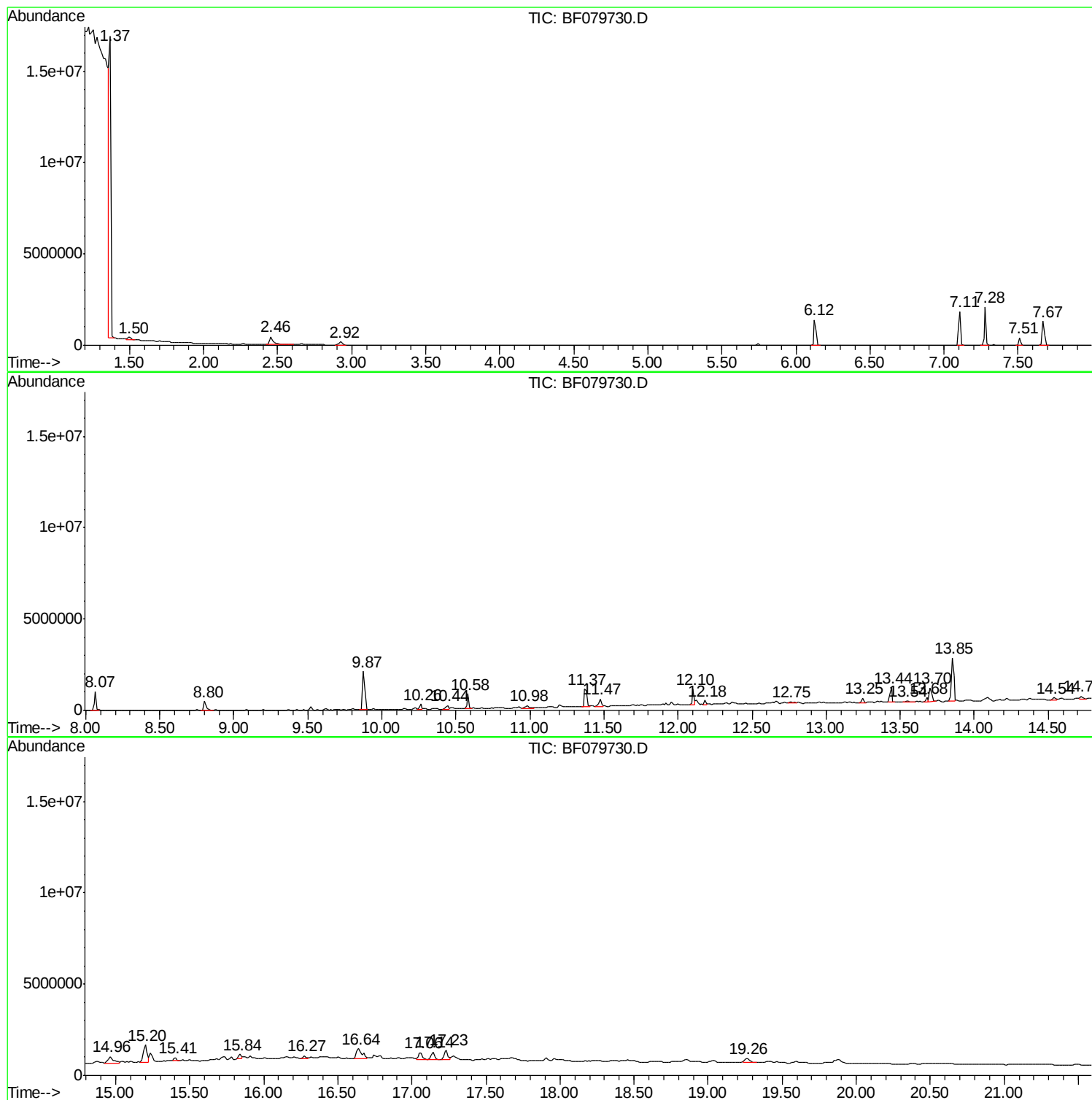
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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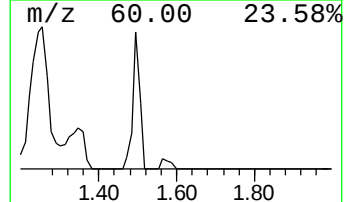
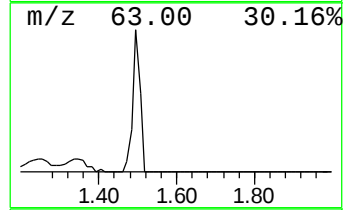
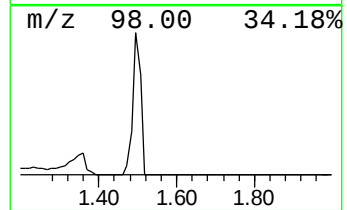
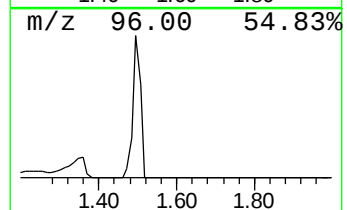
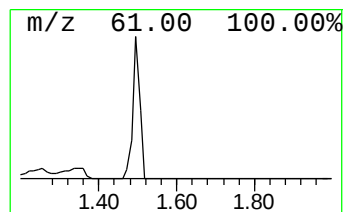
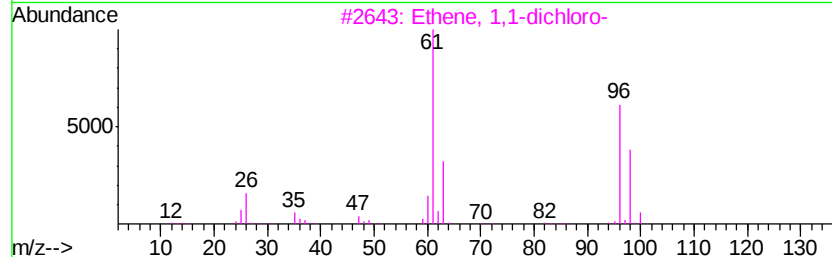
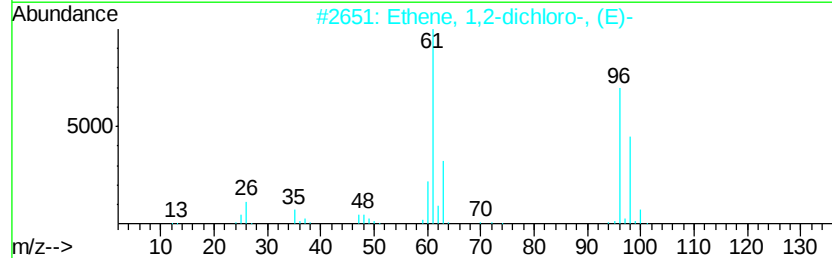
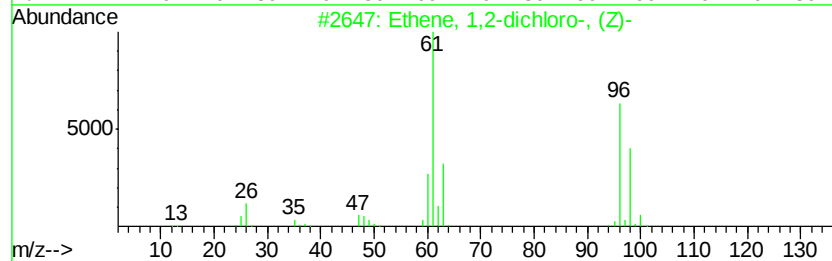
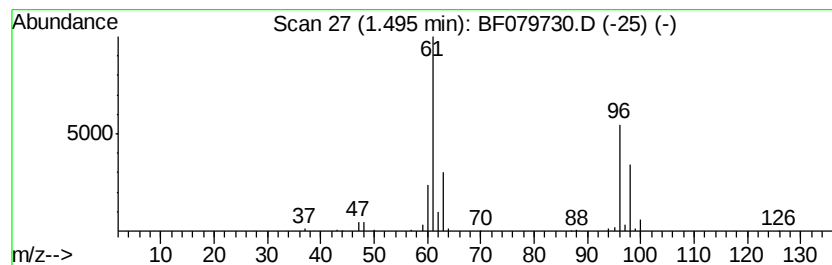
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Ethene, 1,2-dichloro-, (Z)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	9.60 ng	198794	1,4-Dichlorobenzene-d4	7.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	97
2		Ethene, 1,2-dichloro-, (E)-	96	C2H2Cl2	000156-60-5	95
3		Ethene, 1,1-dichloro-	96	C2H2Cl2	000075-35-4	91
4		1,2-Dichloroethylene	96	C2H2Cl2	000540-59-0	91
5		Chloromethylmethyl sulfide	96	C2H5ClS	002373-51-5	47



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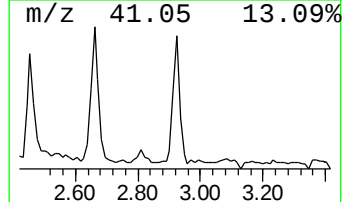
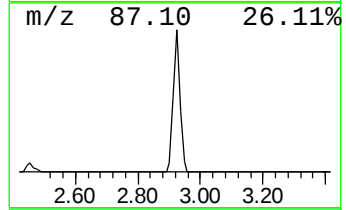
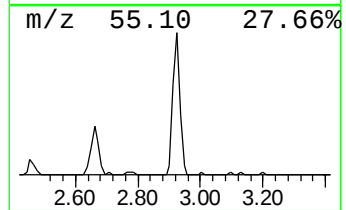
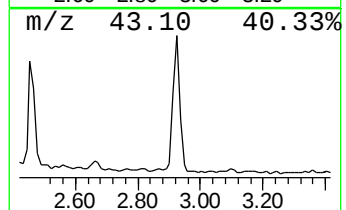
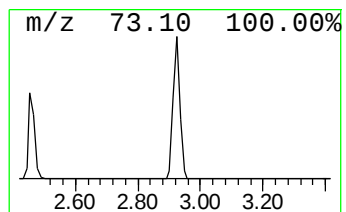
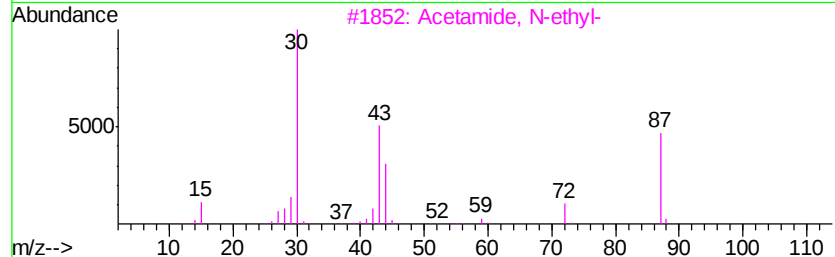
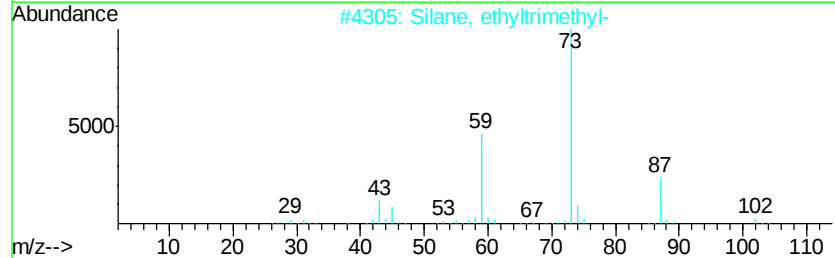
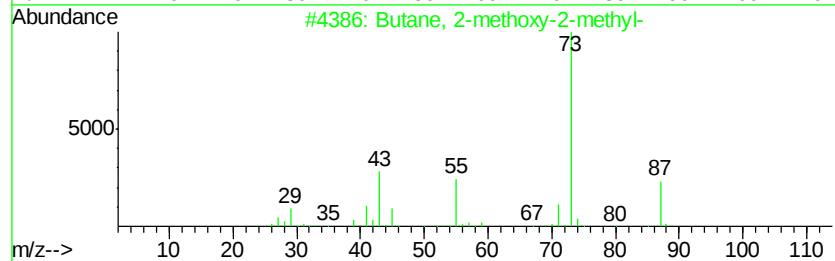
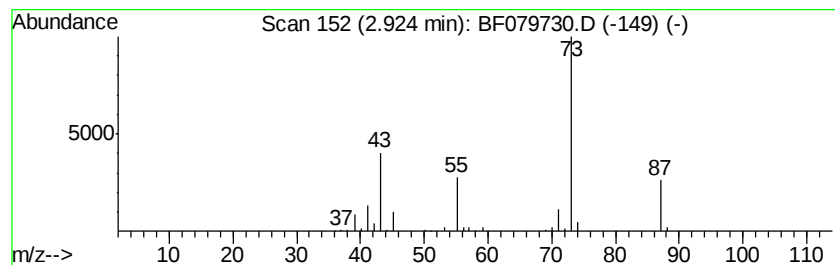
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	11.57 ng	239563	1,4-Dichlorobenzene-d4	7.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
3		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5		Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



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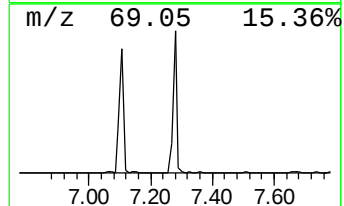
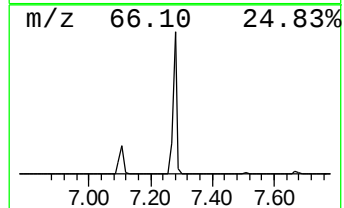
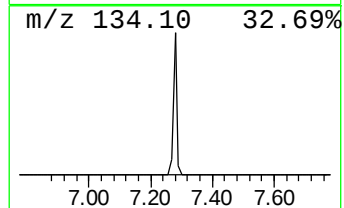
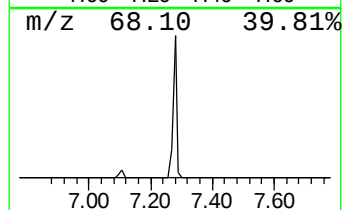
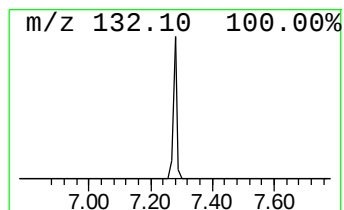
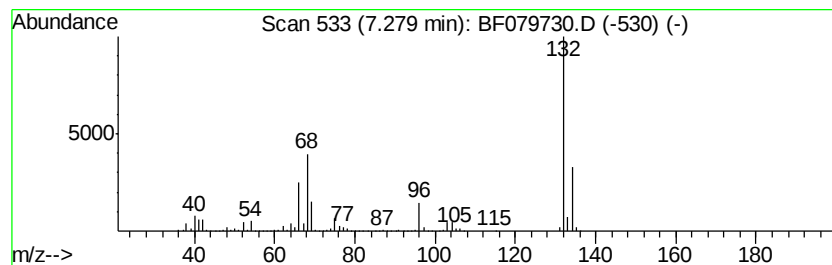
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown7.28 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	84.90 ng	1757180	1,4-Dichlorobenzene-d4	7.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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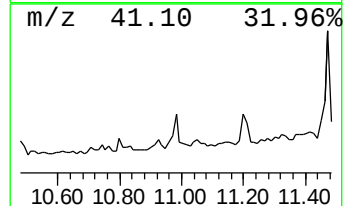
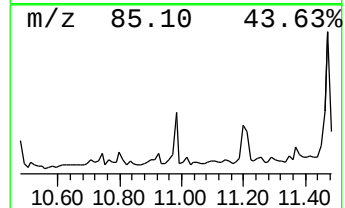
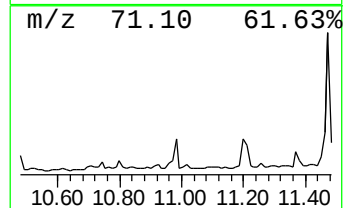
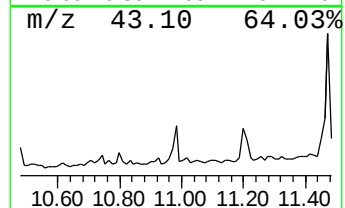
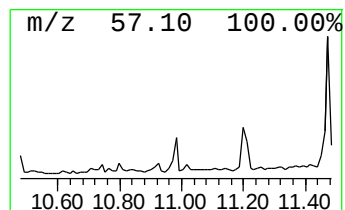
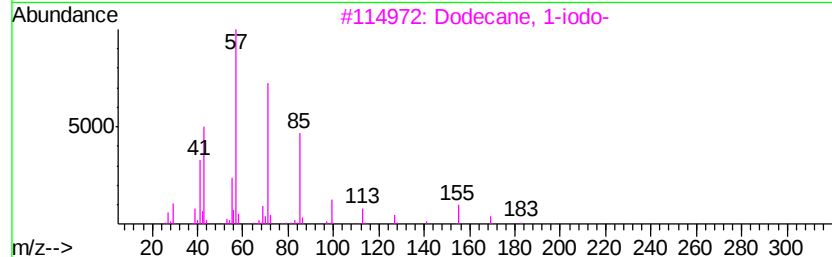
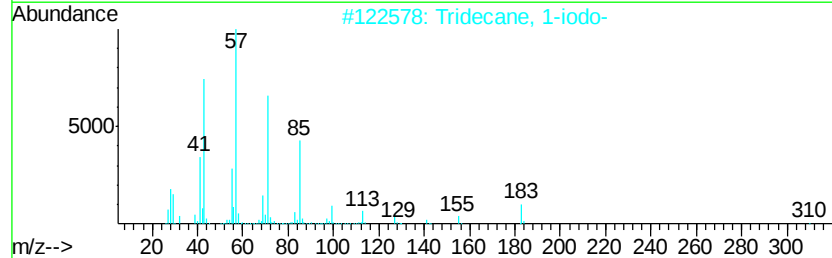
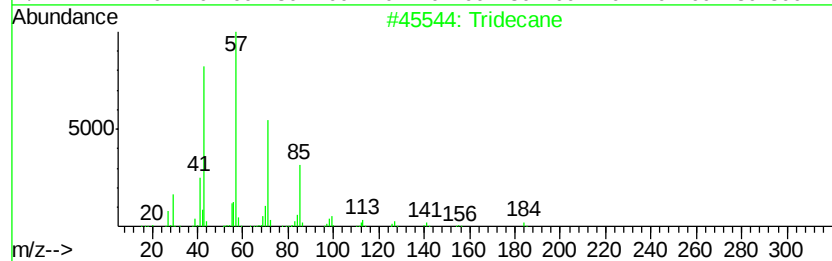
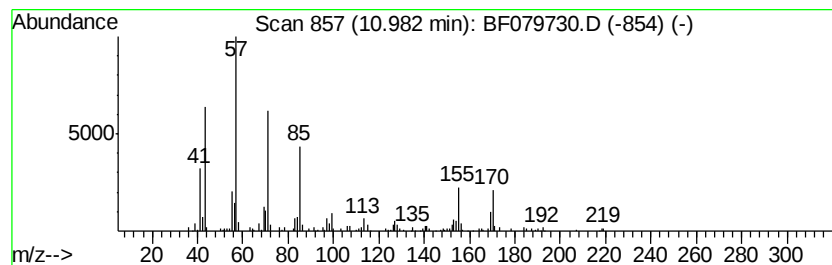
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.98	6.44 ng	238577	Acenaphthene-d10		10.58
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	58
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58
4	Eicosane	282	C20H42	000112-95-8	58
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	52



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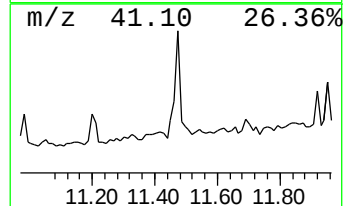
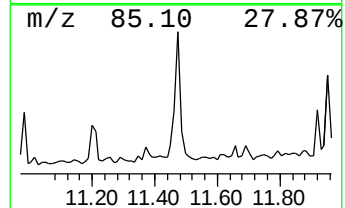
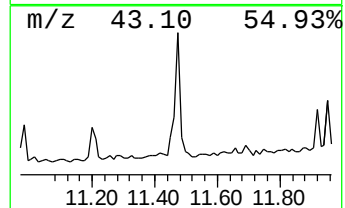
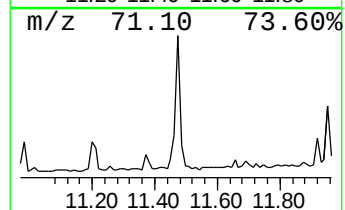
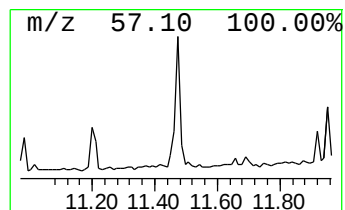
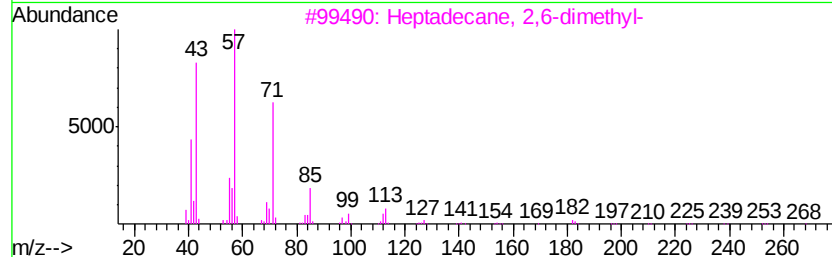
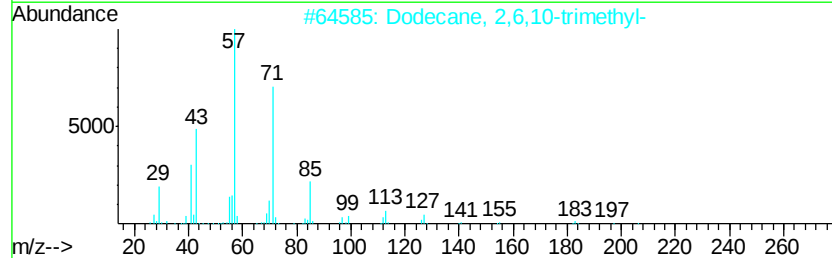
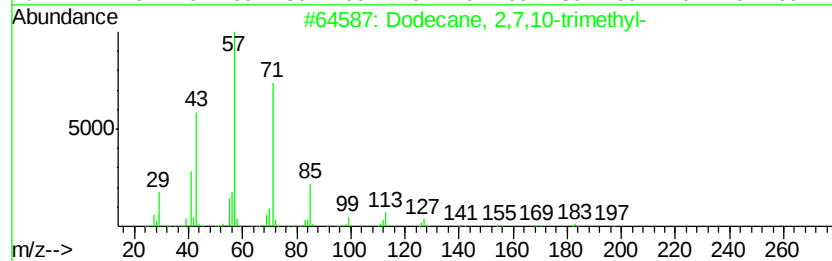
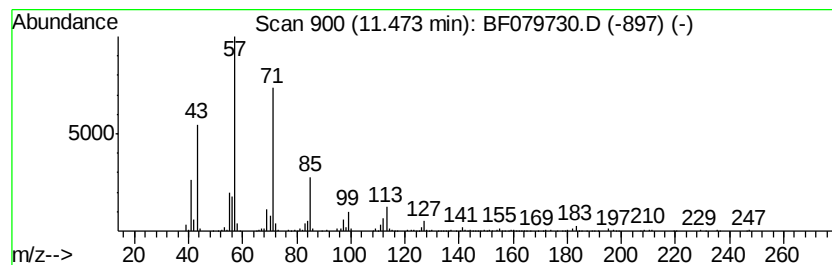
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dodecane, 2,7,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	12.97 ng	514839	Phenanthrene-d10	12.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
3		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	68



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SEC-3.2-SP

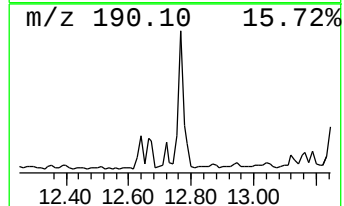
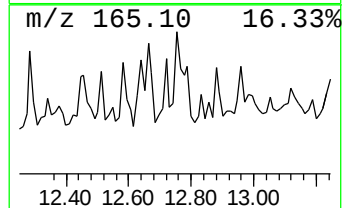
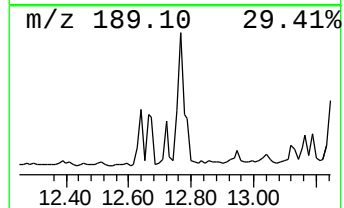
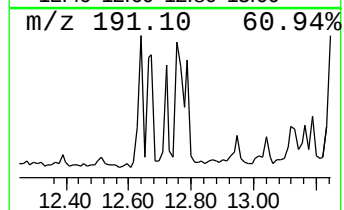
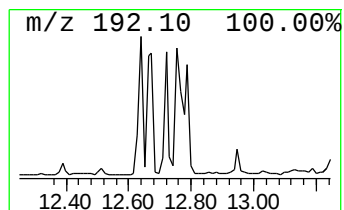
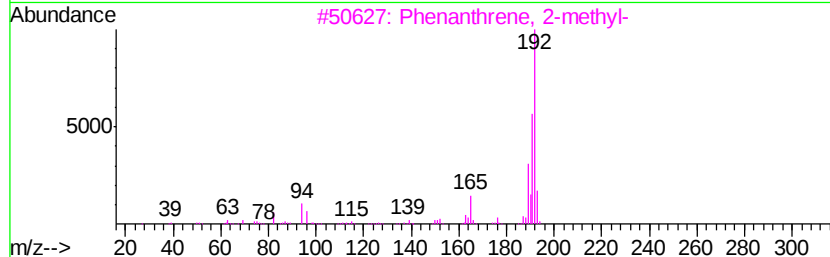
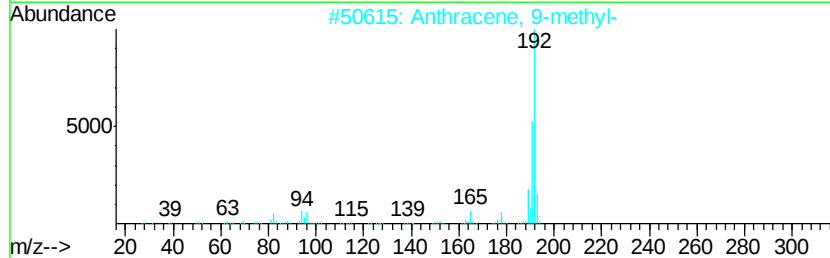
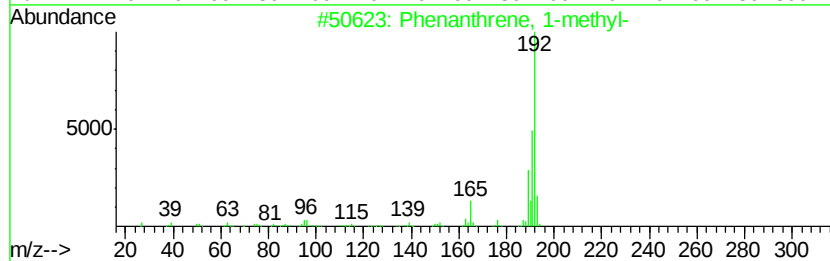
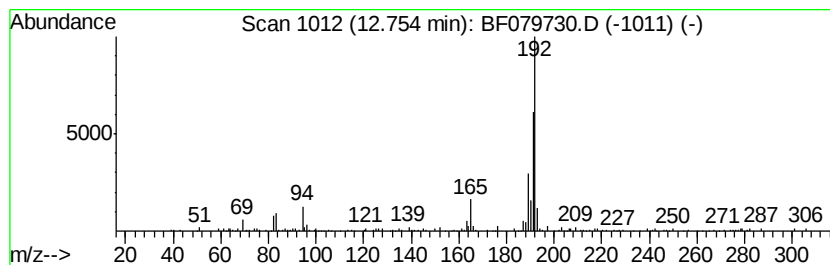
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	5.01 ng	198990	Phenanthrene-d10	12.10

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89	
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81	
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81	
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079730.D
Acq On : 5 Jun 2015 6:39
Operator : TP/IZ
Sample : G2450-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

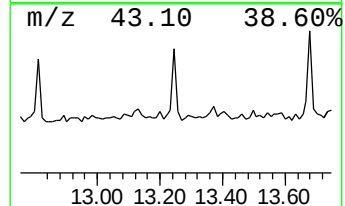
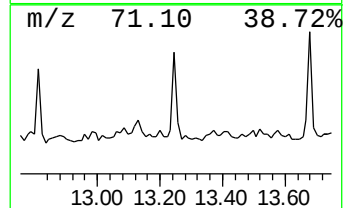
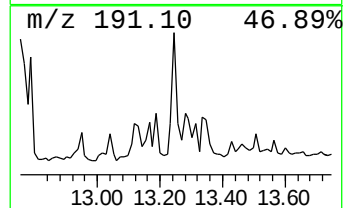
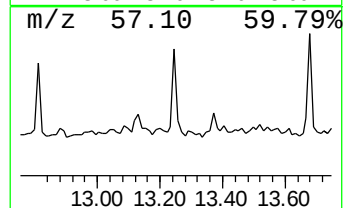
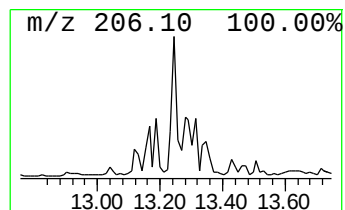
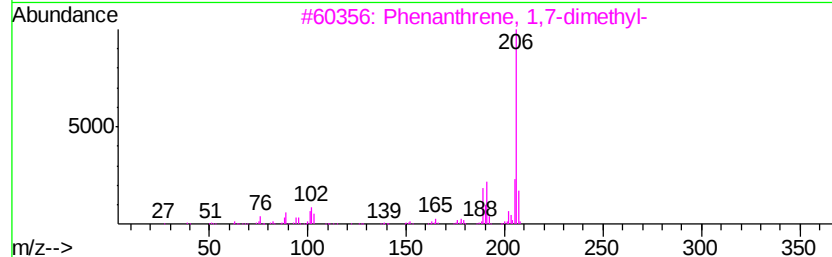
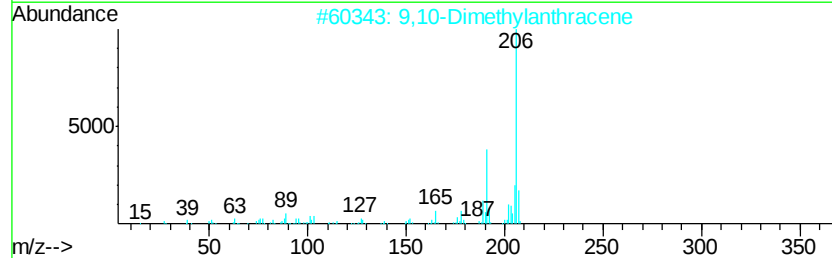
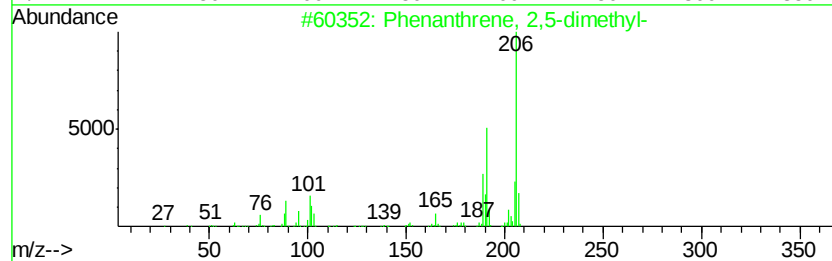
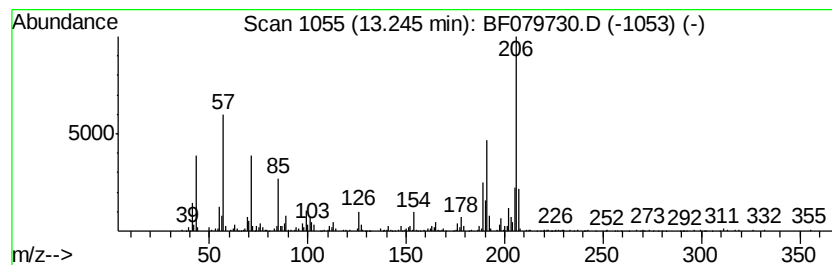
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SEC-3.2-SP

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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 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.25	5.91 ng	234756	Phenanthrene-d10		12.10
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	92
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	83
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	78
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079730.D
Acq On : 5 Jun 2015 6:39
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Sample : G2450-01
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ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

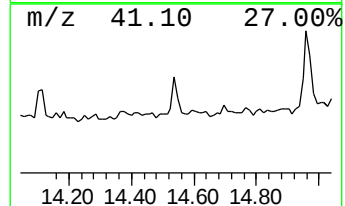
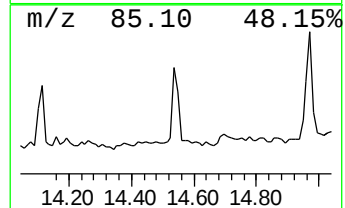
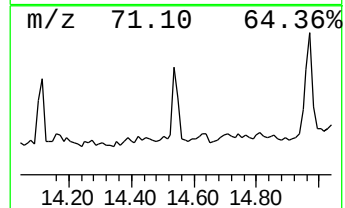
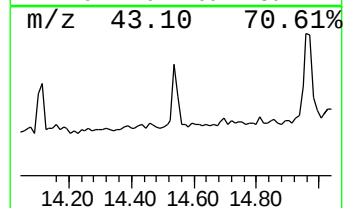
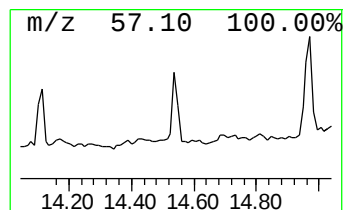
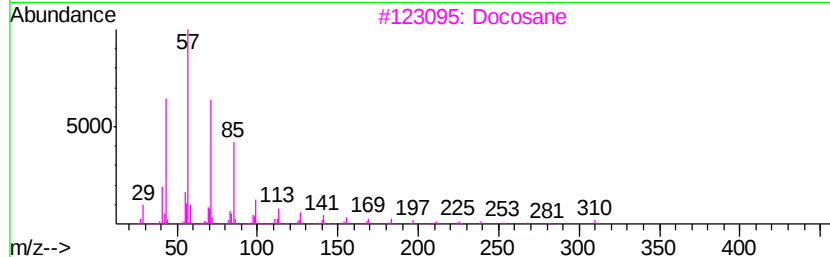
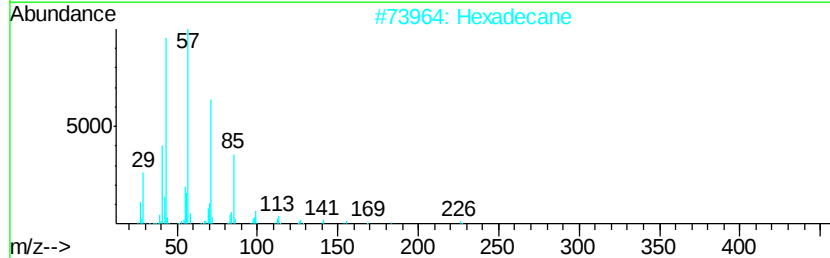
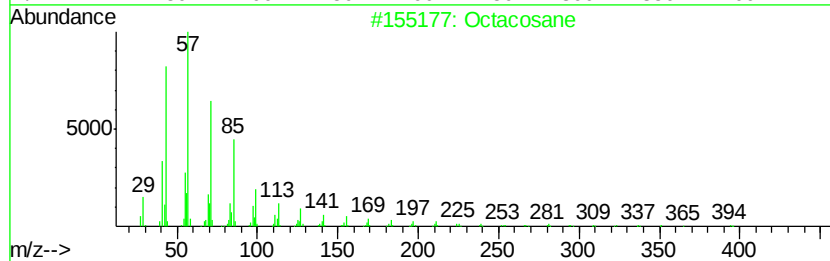
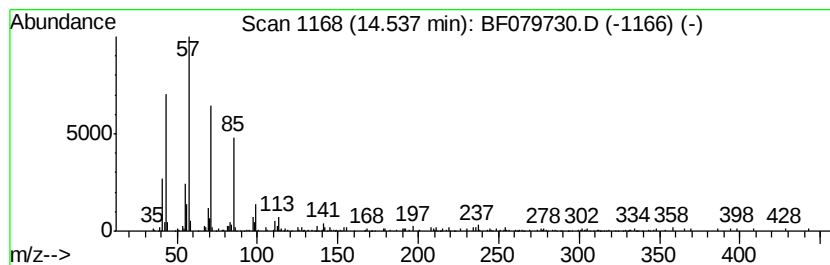
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.09 ng	188142	Chrysene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Hexadecane	226	C16H34	000544-76-3	83
3		Docosane	310	C22H46	000629-97-0	80
4		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	74
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
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Acq On : 5 Jun 2015 6:39
Operator : TP/IZ
Sample : G2450-01
Misc :
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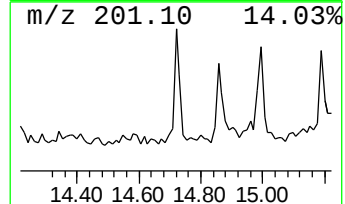
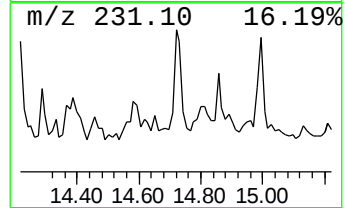
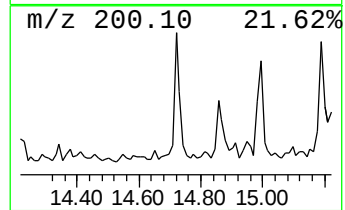
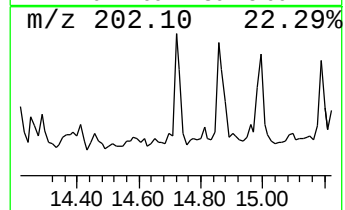
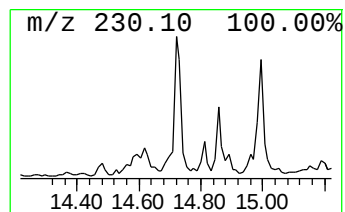
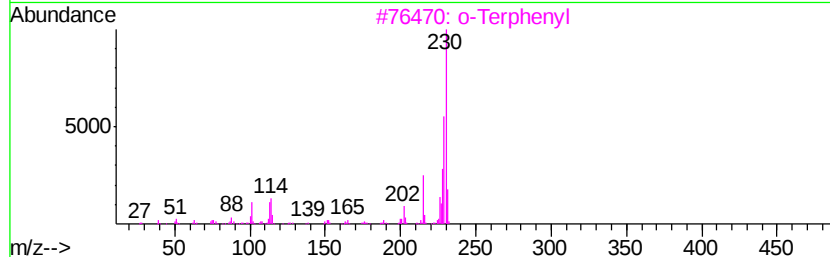
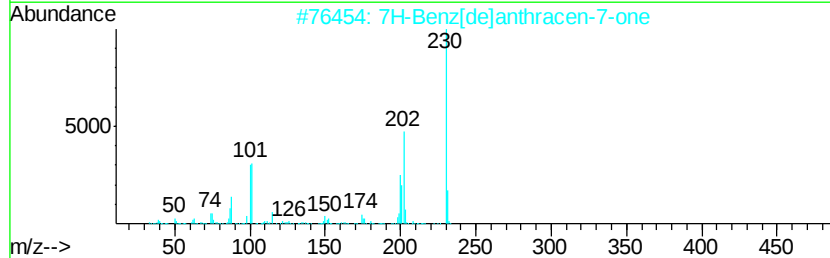
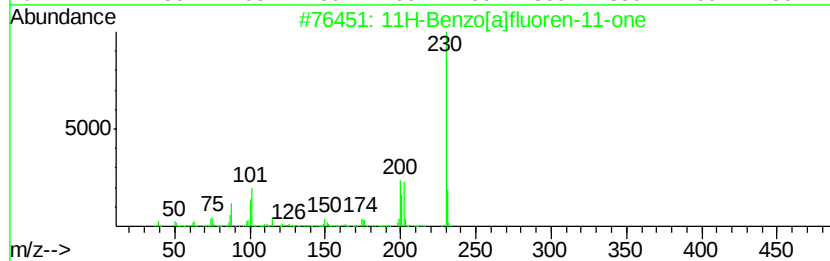
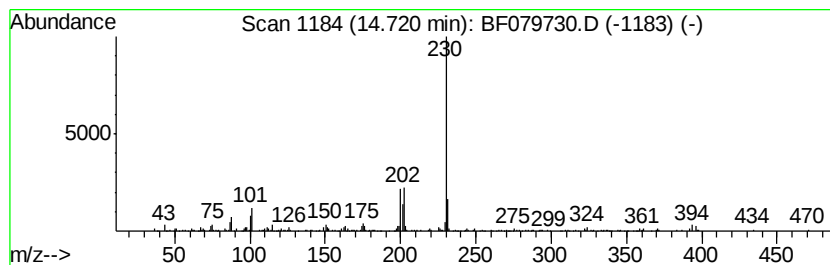
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.		
14.72	2.11 ng	189519	Chrysene-d12		15.20		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3			o-Terphenyl	230	C18H14	000084-15-1	50
4			Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	50
5			5,6-Dihydrochrysene	230	C18H14	002091-92-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079730.D
Acq On : 5 Jun 2015 6:39
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SEC-3.2-SP

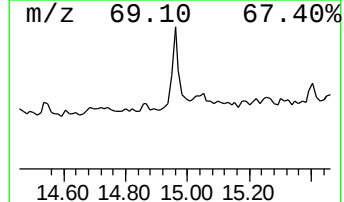
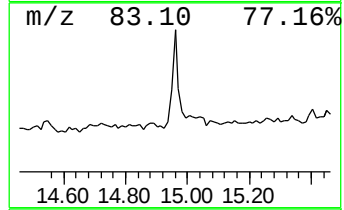
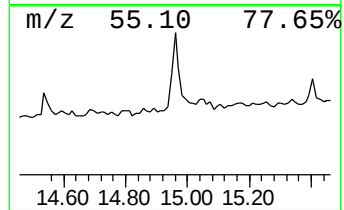
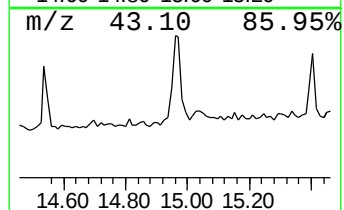
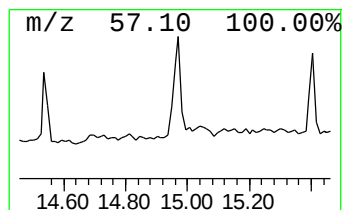
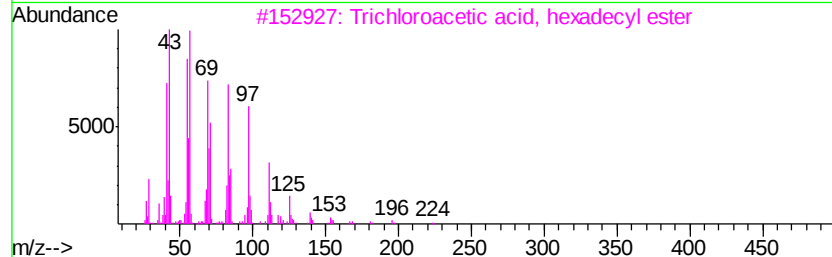
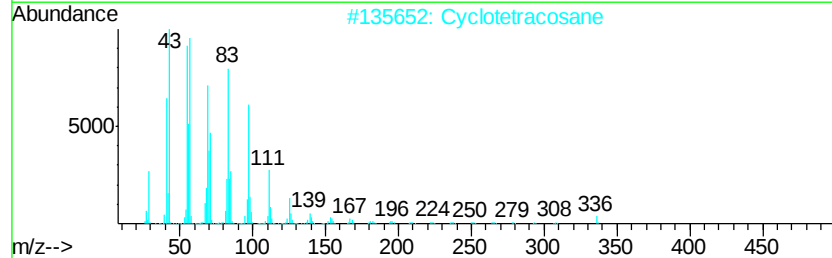
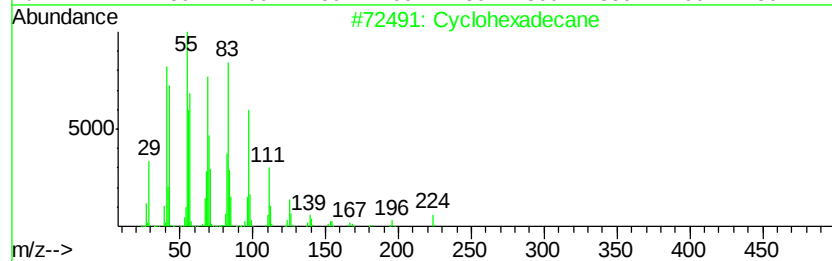
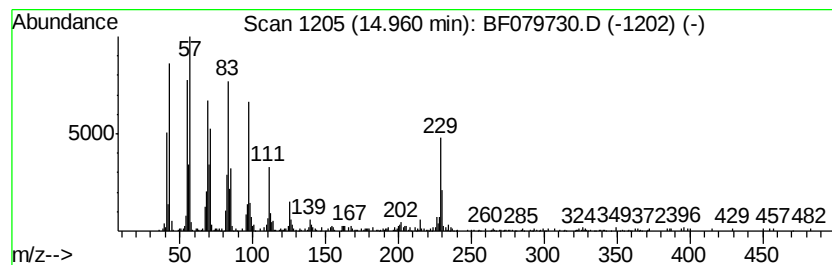
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclohexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	11.18 ng	1004960	Chrysene-d12	15.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexadecane	224	C16H32	000295-65-8	92
2		Cyclotetracosane	336	C24H48	000297-03-0	89
3		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	89
4		1-Nonadecene	266	C19H38	018435-45-5	87
5		17-Pentatriacontene	491	C35H70	006971-40-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
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Acq On : 5 Jun 2015 6:39
Operator : TP/IZ
Sample : G2450-01
Misc :
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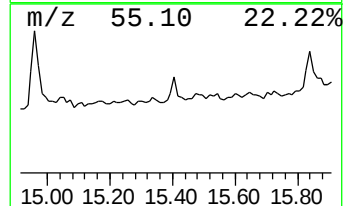
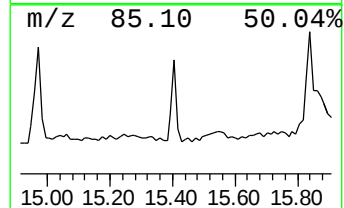
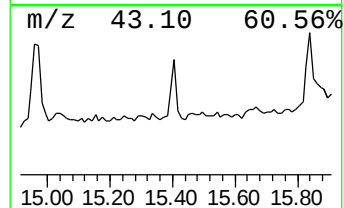
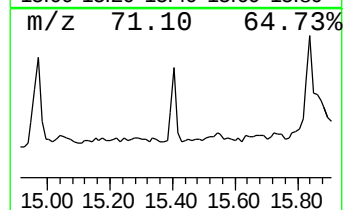
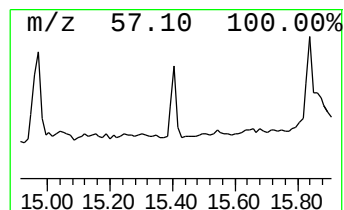
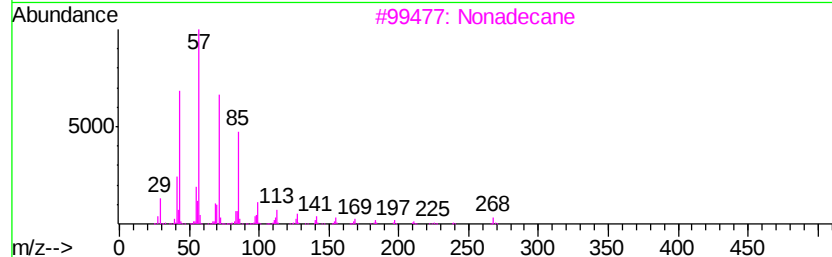
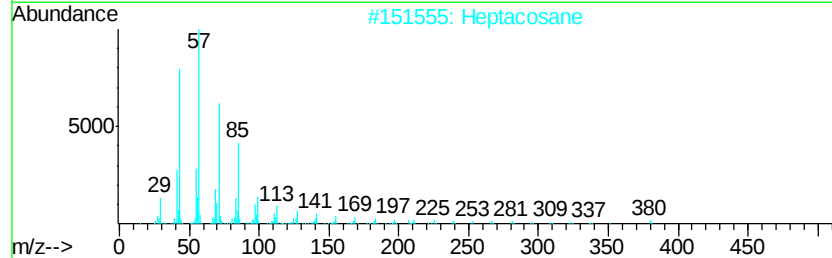
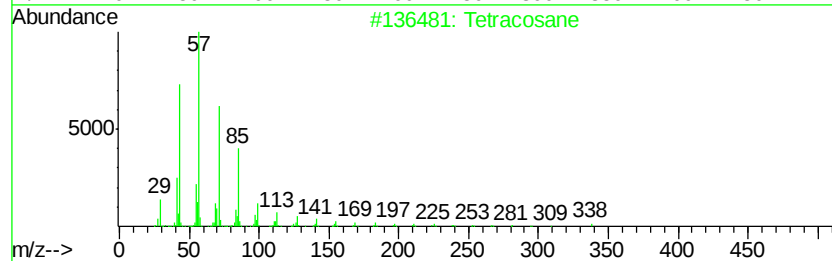
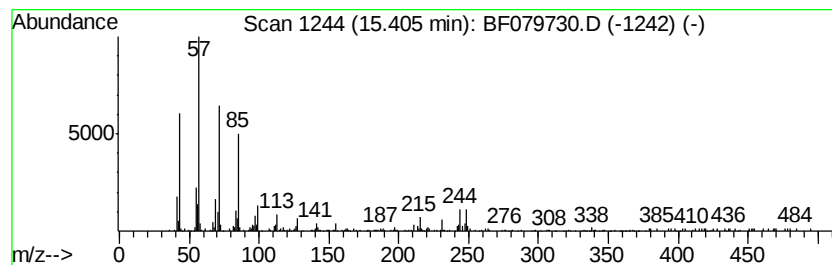
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetracosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	2.14 ng	192127	Chrysene-d12	15.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetracosane	338 C24H50	000646-31-1 95
2		Heptacosane	380 C27H56	000593-49-7 89
3		Nonadecane	268 C19H40	000629-92-5 62
4		Octacosane	394 C28H58	000630-02-4 62
5		Heptadecane	240 C17H36	000629-78-7 62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
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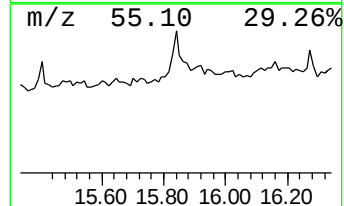
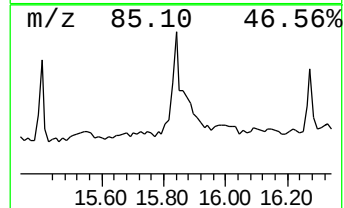
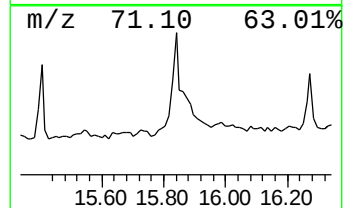
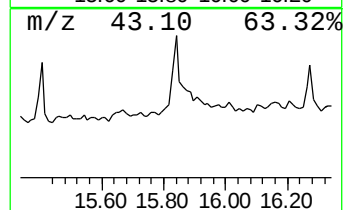
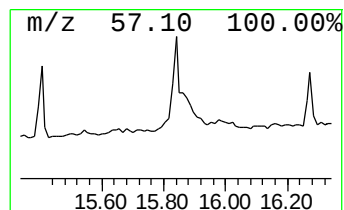
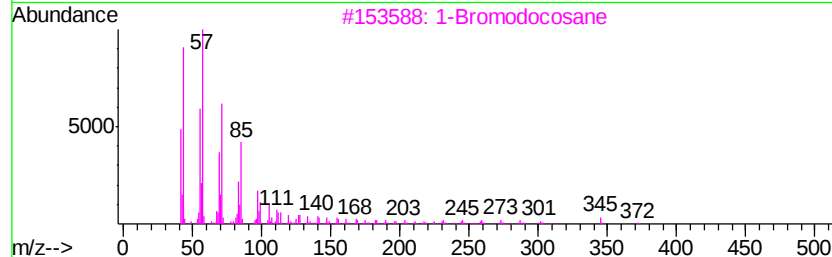
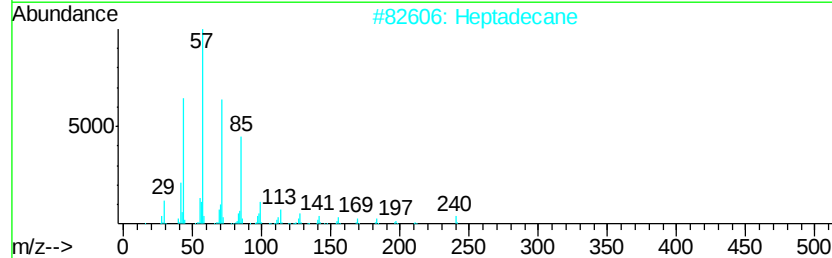
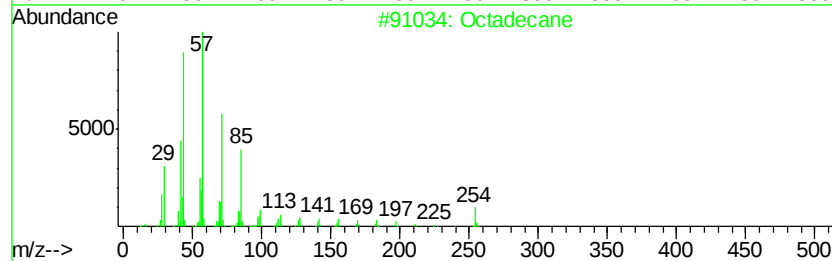
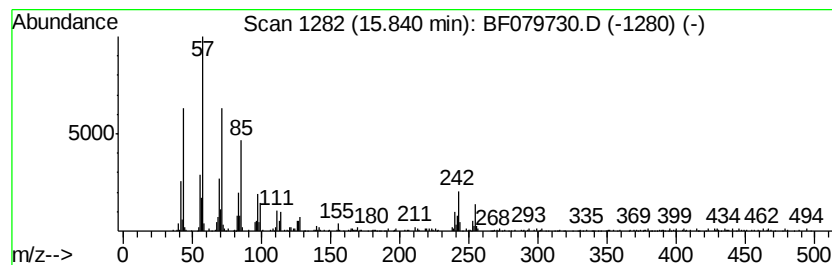
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.84	3.05 ng	274045	Chrysene-d12		15.20
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Heptadecane	240	C17H36	000629-78-7	89
3	1-Bromodocosane	388	C22H45Br	006938-66-5	70
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	62
5	Tritetracontane	605	C43H88	007098-21-7	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079730.D
Acq On : 5 Jun 2015 6:39
Operator : TP/IZ
Sample : G2450-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

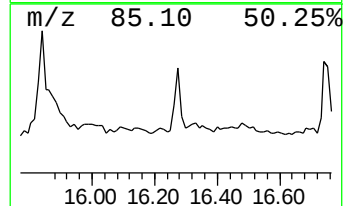
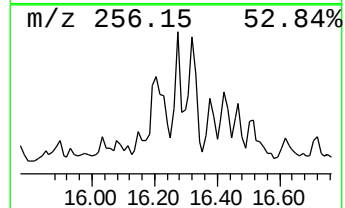
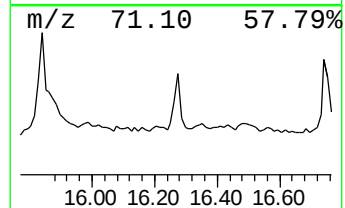
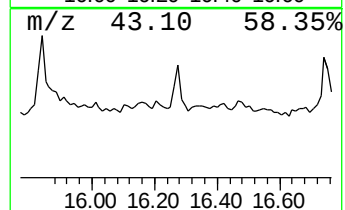
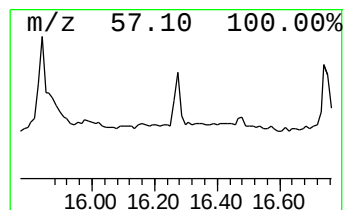
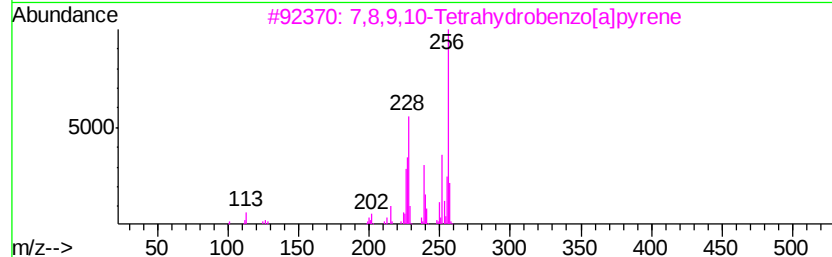
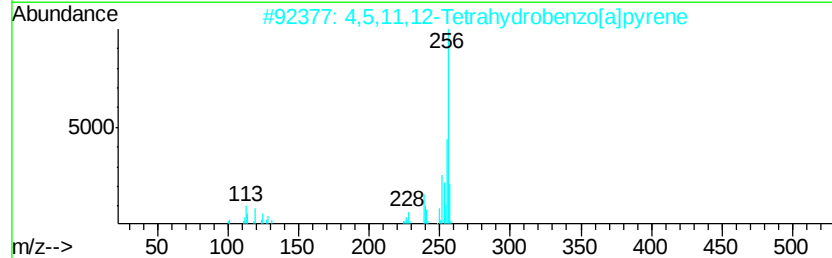
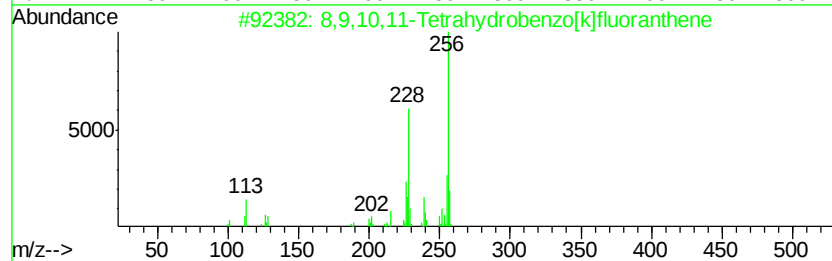
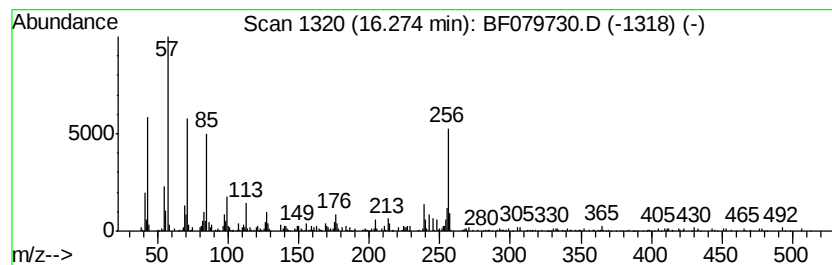
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 8,9,10,11-Tetrahydrobenzo[k... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	5.01 ng	216270	Perylene-d12	17.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8,9,10,11-Tetrahydrobenzo[k]fluoranthene	256	C20H16	033942-81-3	53
2			4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	42
3			7,8,9,10-Tetrahydrobenzo[a]pyrene	256	C20H16	017750-93-5	42
4			2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2	35
5			4-Hydroxy-1-methyl-6-phenyl-3-(p...	256	C15H16N2O2	1000239-66-9	18



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 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.2-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.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
Ethene, 1,2-dichl...	1.50	9.6	ng	198794	1	7.51	413950	20.0
Butane, 2-methoxy...	2.92	11.6	ng	239563	1	7.51	413950	20.0
unknown7.28	7.28	84.9	ng	1757180	1	7.51	413950	20.0
Tridecane	10.98	6.4	ng	238577	3	10.58	740770	20.0
Dodecane, 2,7,10-...	11.47	13.0	ng	514839	4	12.10	794011	20.0
Phenanthrene, 1-m...	12.75	5.0	ng	198990	4	12.10	794011	20.0
Phenanthrene, 2,5...	13.25	5.9	ng	234756	4	12.10	794011	20.0
Octacosane	14.54	2.1	ng	188142	5	15.20	1797810	20.0
11H-Benzo[a]fluor...	14.72	2.1	ng	189519	5	15.20	1797810	20.0
Cyclohexadecane	14.96	11.2	ng	1004960	5	15.20	1797810	20.0
Tetracosane	15.41	2.1	ng	192127	5	15.20	1797810	20.0
Octadecane	15.84	3.0	ng	274045	5	15.20	1797810	20.0
8,9,10,11-Tetrahy...	16.27	5.0	ng	216270	6	17.23	864189	20.0