

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079641.D
 Acq On : 31 May 2015 19:07
 Operator : TP/IZ
 Sample : G2427-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HB-9A-DEL2(0-2)

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-BF052615.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	1.541	29	31	38	rVV	212811	492725	7.14%	1.768%
2	1.633	38	39	67	rVB	3140364	6897394	100.00%	24.749%
3	4.604	296	299	304	rBV	44885	87811	1.27%	0.315%
4	5.187	347	350	360	rBV	769533	1200230	17.40%	4.307%
5	6.513	464	466	474	rBV	1080045	1335993	19.37%	4.794%
6	6.627	474	476	479	rVV	1341734	1358976	19.70%	4.876%
7	6.902	498	500	503	rBV	308035	359829	5.22%	1.291%
8	7.096	514	517	519	rBV	741725	1019698	14.78%	3.659%
9	7.610	560	562	564	rBV	847562	830210	12.04%	2.979%
10	8.479	636	638	640	rBV	378913	507038	7.35%	1.819%
11	9.828	754	756	759	rVB	1312915	1684529	24.42%	6.044%
12	10.342	799	801	808	rVB	115632	215529	3.12%	0.773%
13	10.651	820	828	830	rBV	611892	696691	10.10%	2.500%
14	11.325	885	887	889	rVB	72225	70766	1.03%	0.254%
15	11.634	911	914	916	rBV	933750	1210296	17.55%	4.343%
16	11.851	930	933	935	rBV	93221	157482	2.28%	0.565%
17	12.205	958	964	966	rBV4	40147	137374	1.99%	0.493%
18	12.399	978	981	982	rVV3	47581	76862	1.11%	0.276%
19	12.479	986	988	990	rVV	585286	783327	11.36%	2.811%
20	12.514	990	991	993	rVB	530926	387321	5.62%	1.390%
21	12.571	993	996	999	rBV	103434	150284	2.18%	0.539%
22	12.788	1013	1015	1019	rBV	57058	95349	1.38%	0.342%
23	13.108	1041	1043	1044	rBV	62689	80599	1.17%	0.289%
24	13.142	1044	1046	1049	rVV	100307	145127	2.10%	0.521%
25	13.234	1052	1054	1060	rVV4	180638	422349	6.12%	1.515%
26	13.520	1074	1079	1084	rBV3	68995	243888	3.54%	0.875%
27	13.977	1117	1119	1122	rVB	479895	627394	9.10%	2.251%
28	14.251	1141	1143	1146	rBV	408221	591942	8.58%	2.124%
29	14.480	1160	1163	1165	rVB	1757553	1895649	27.48%	6.802%
30	14.548	1165	1169	1171	rBV2	41646	93454	1.35%	0.335%
31	15.657	1263	1266	1270	rBV	220144	376893	5.46%	1.352%
32	15.748	1271	1274	1276	rBV2	581028	965522	14.00%	3.464%
33	17.006	1382	1384	1389	rBV	333033	735655	10.67%	2.640%
34	17.314	1409	1411	1414	rVB	207808	290311	4.21%	1.042%

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HB-9A-DEL2(0-2)

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-BF052615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.371	1414	1416	1419	rBV	273583	357693	5.19%	1.283%
36	17.428	1419	1421	1426	rVB2	592171	741380	10.75%	2.660%
37	18.686	1529	1531	1536	rVB2	158801	298764	4.33%	1.072%
38	19.051	1561	1563	1567	rVB	153215	246809	3.58%	0.886%

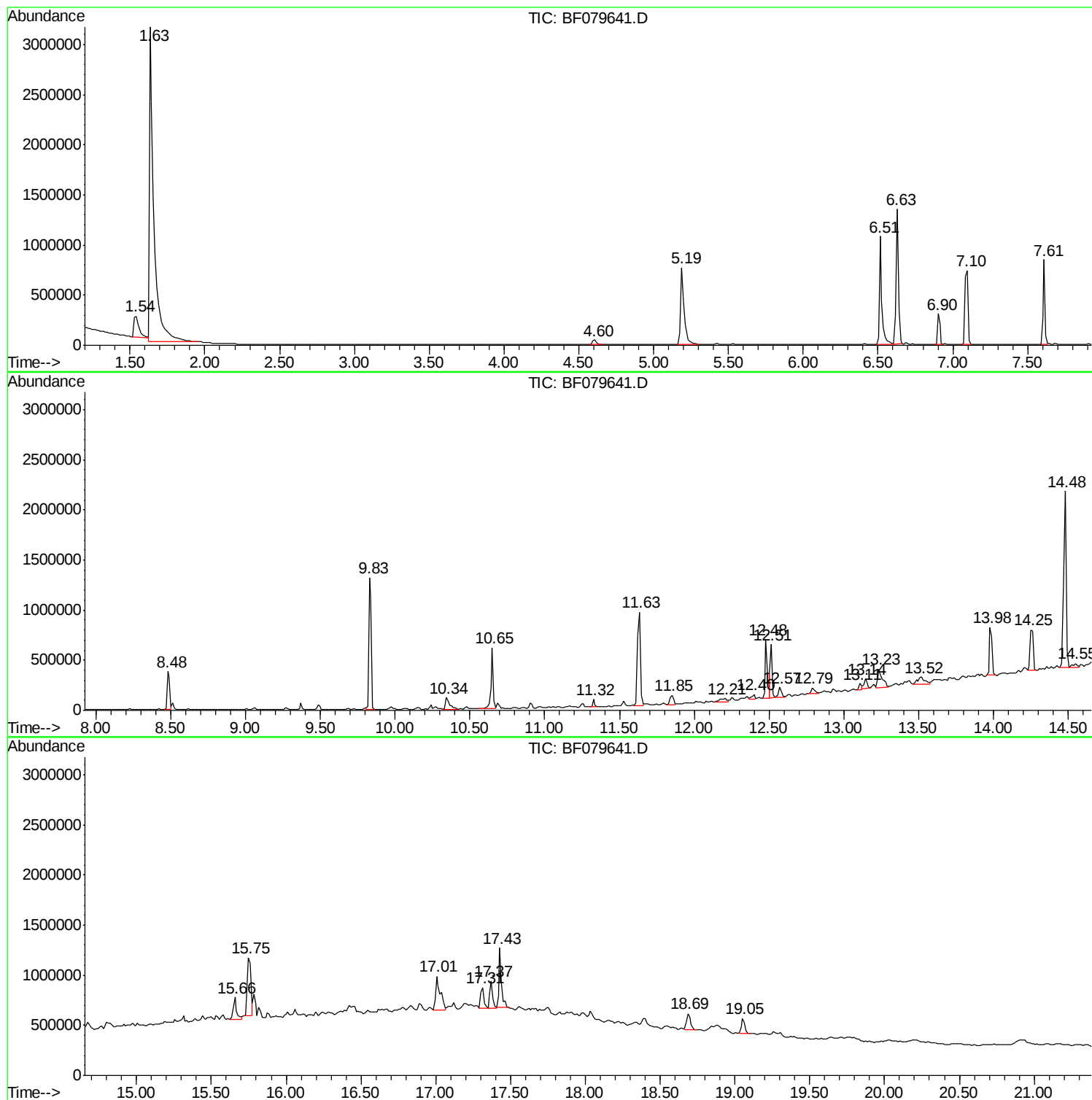
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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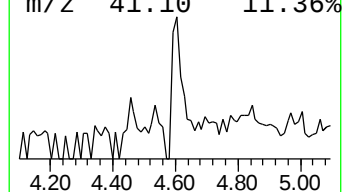
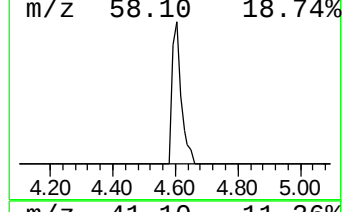
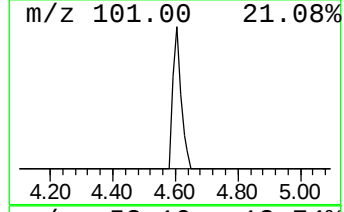
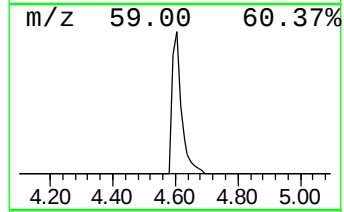
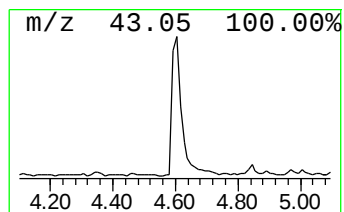
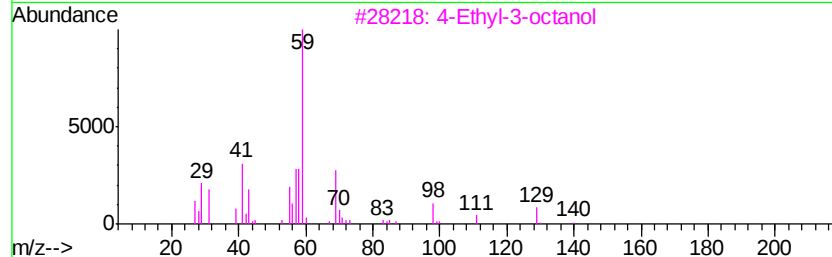
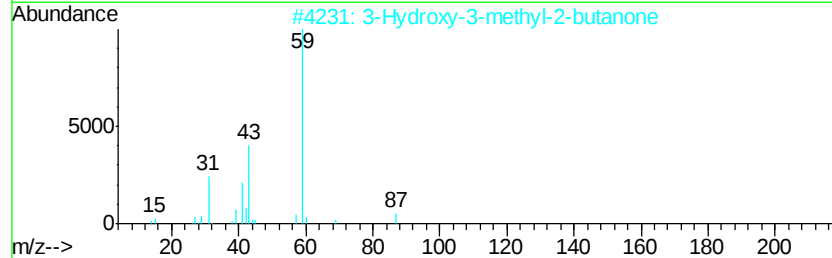
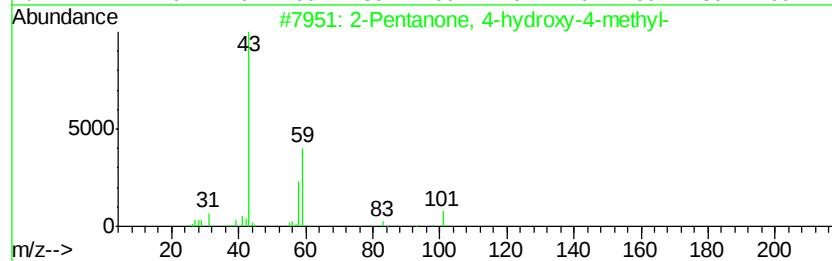
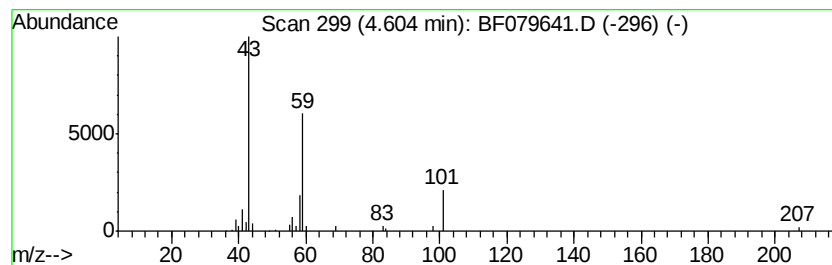
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.60	4.88 ng	87811	1,4-Dichlorobenzene-d4	6.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
3			4-Ethyl-3-octanol	158	C10H22O	019781-26-1	25
4			1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17
5			Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17



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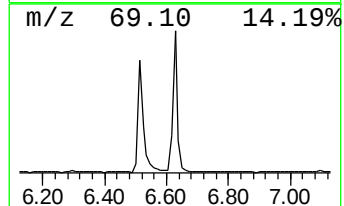
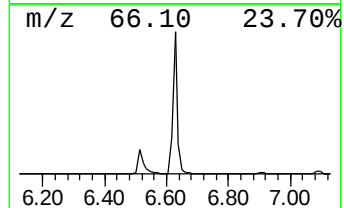
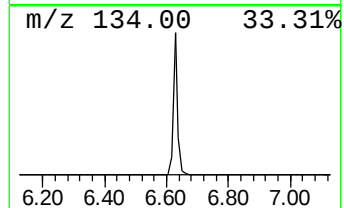
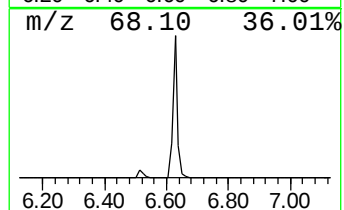
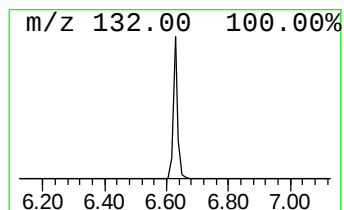
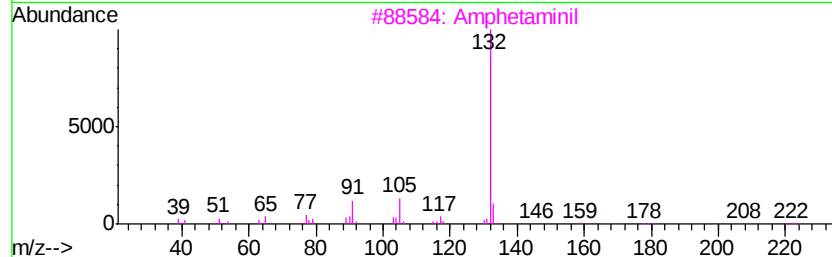
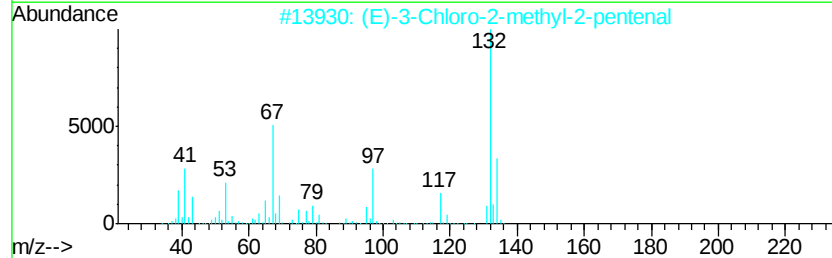
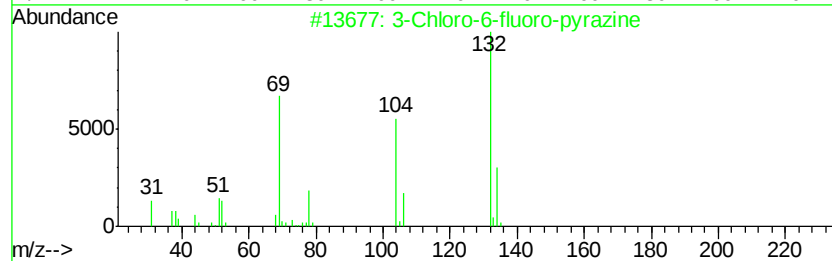
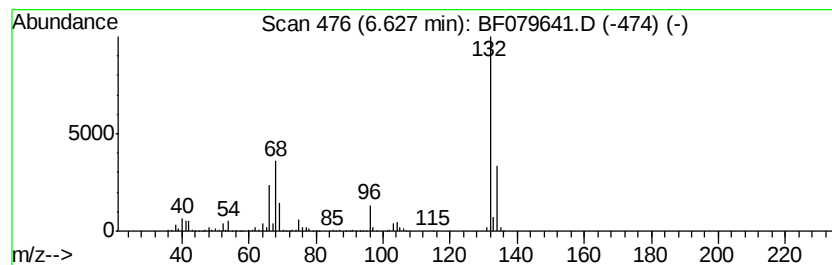
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	75.53 ng	1358980	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		5-Aminoindole	132	C8H8N2	005192-03-0	12



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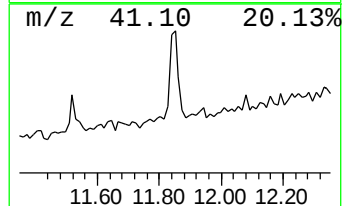
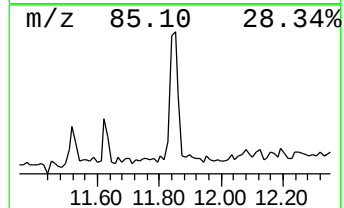
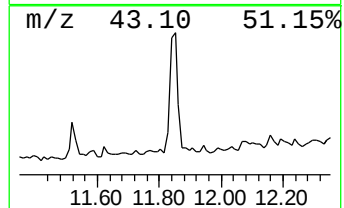
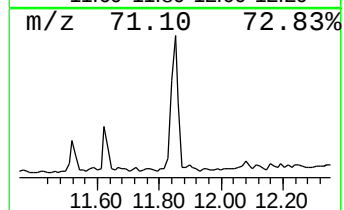
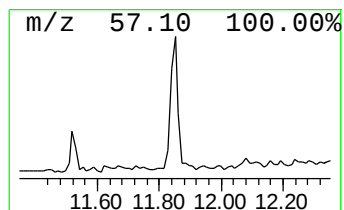
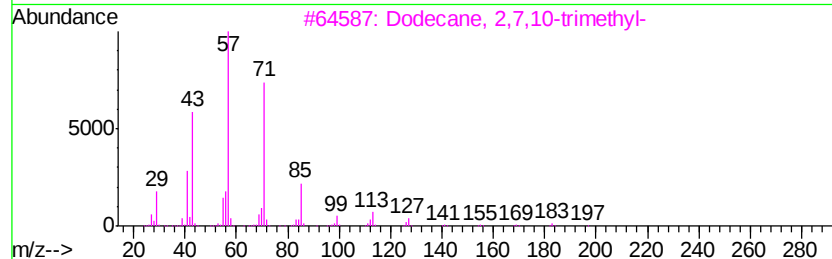
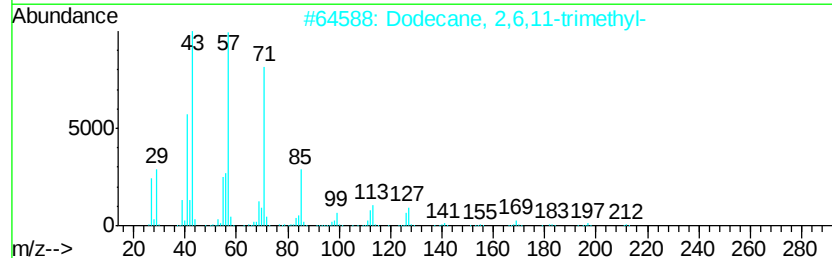
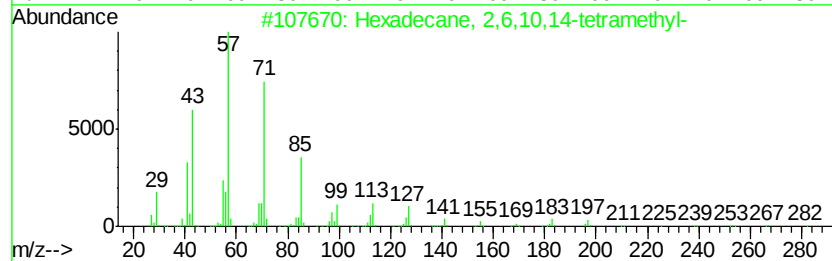
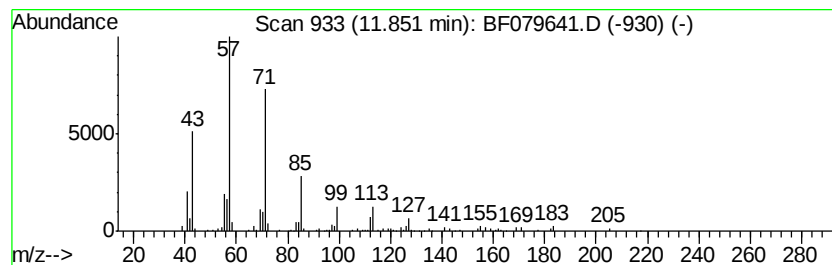
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Hexadecane, 2,6,10,14-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	4.02 ng	157482	Phenanthrene-d10	12.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4			Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	78
5			Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	72



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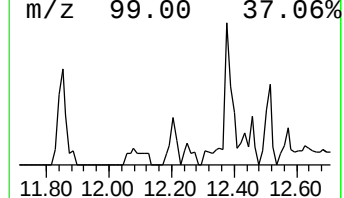
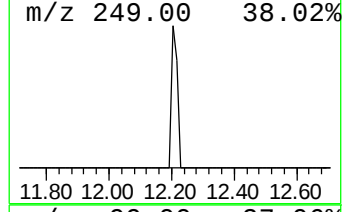
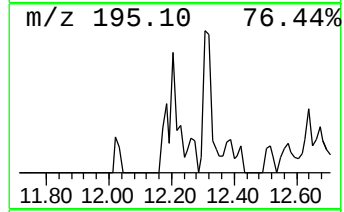
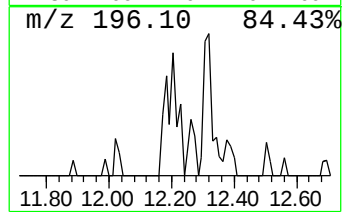
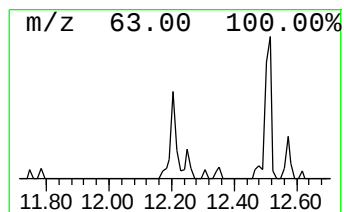
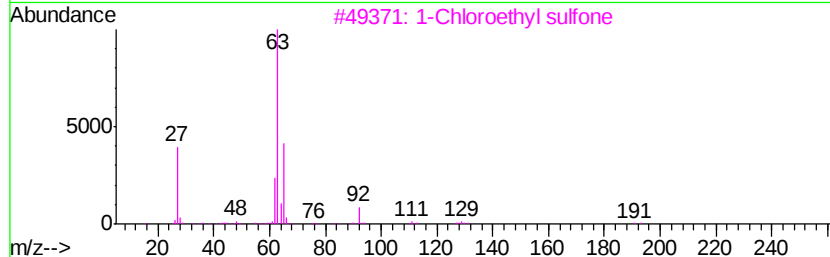
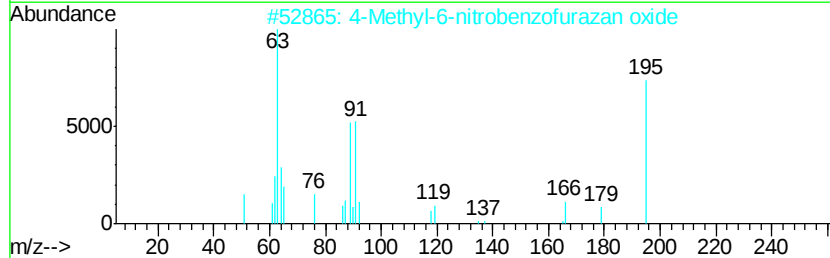
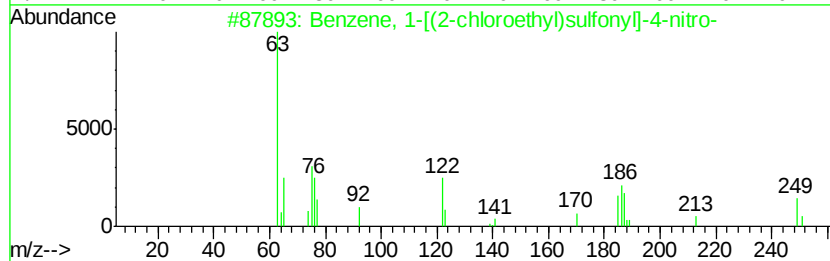
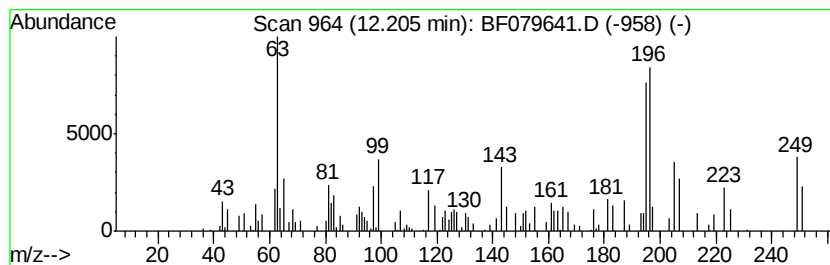
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Peak Number 8 unknown12.21 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.21	3.51 ng	137374	Phenanthrene-d10	12.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-[(2-chloroethyl)sulfo...	249	C8H8ClN04S	006461-63-8	47
2	4-Methyl-6-nitrobenzofurazan oxide	195	C7H5N3O4	140647-89-8	42
3	1-Chloroethyl sulfone	190	C4H8Cl2O2S	010038-07-0	38
4	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	38
5	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	38



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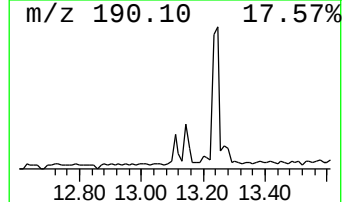
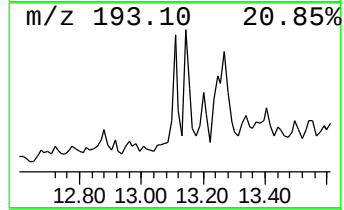
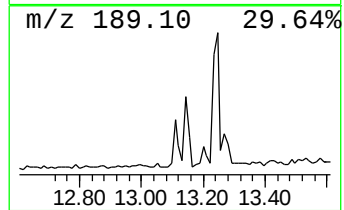
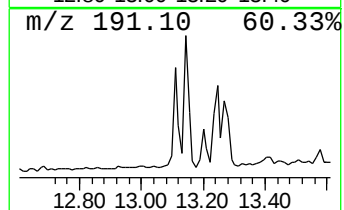
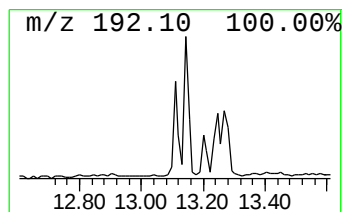
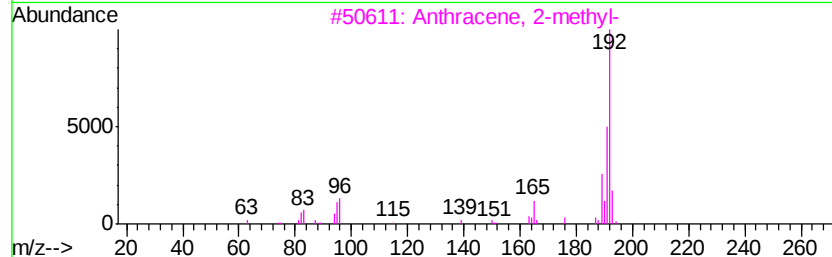
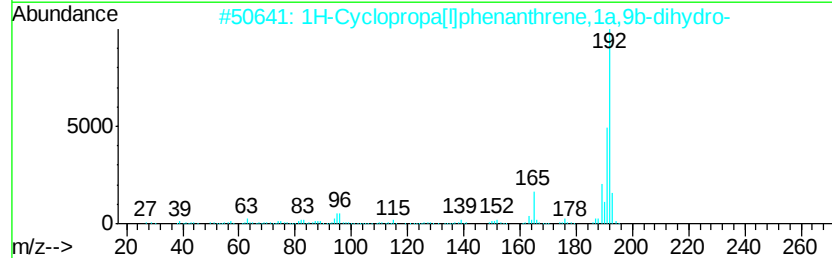
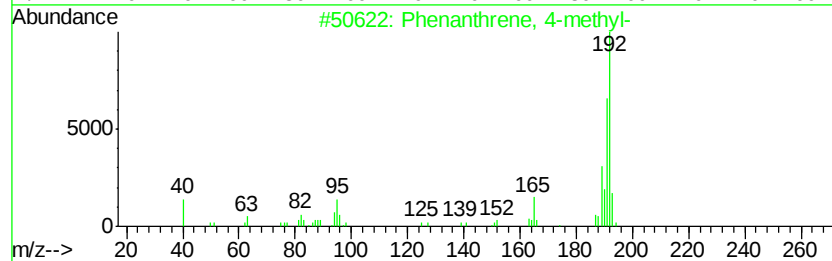
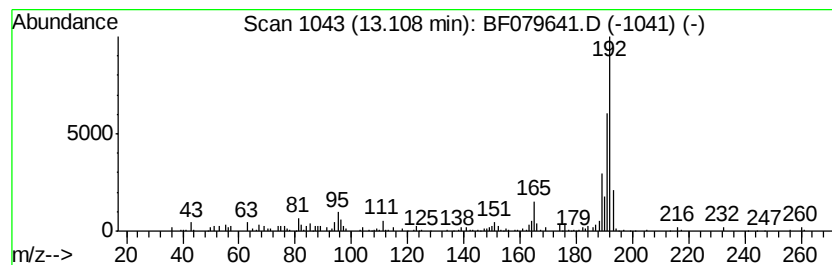
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TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	2.06 ng	80599	Phenanthrene-d10	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079641.D
Acq On : 31 May 2015 19:07
Operator : TP/IZ
Sample : G2427-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL2(0-2)

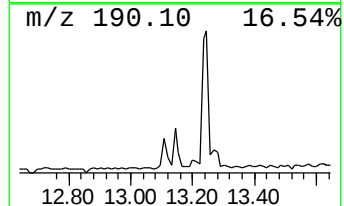
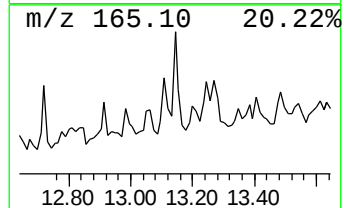
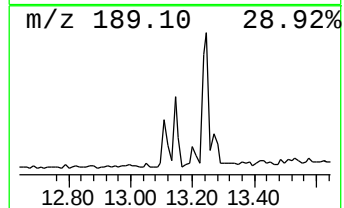
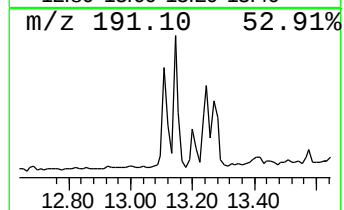
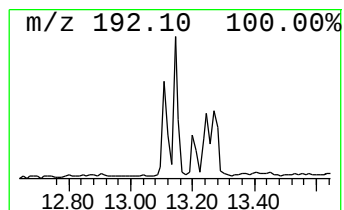
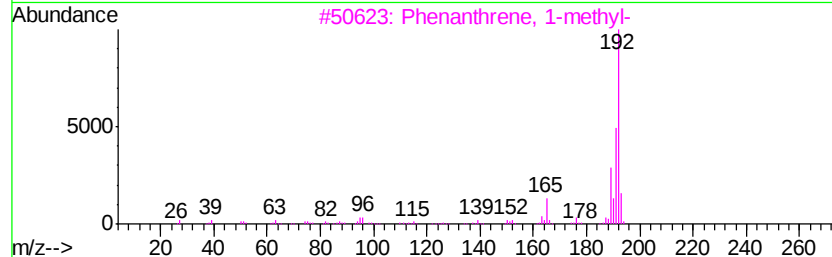
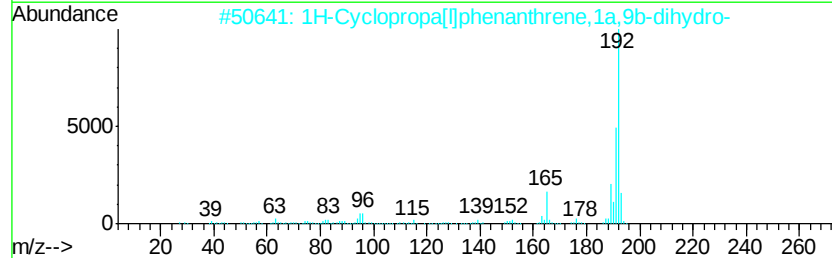
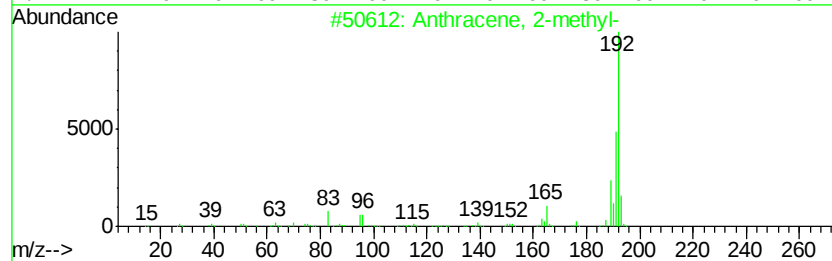
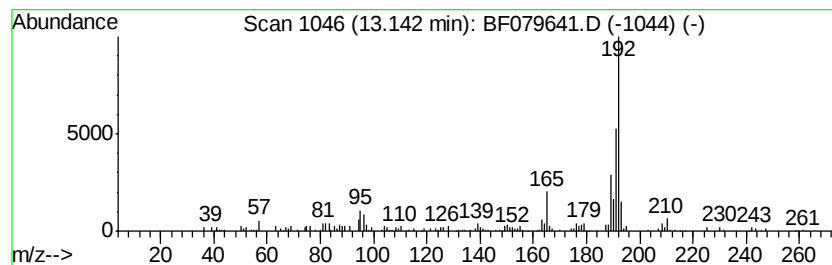
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	3.71 ng	145127	Phenanthrene-d10	12.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079641.D
Acq On : 31 May 2015 19:07
Operator : TP/IZ
Sample : G2427-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

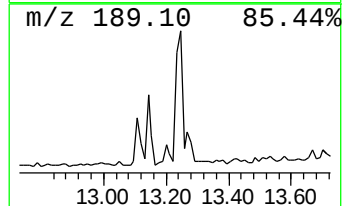
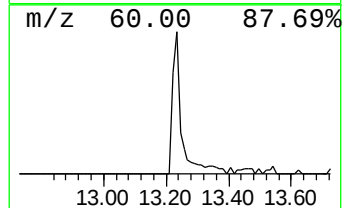
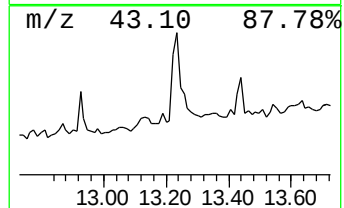
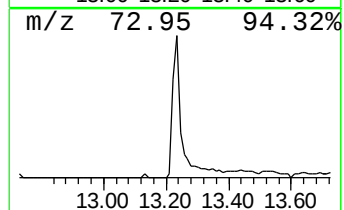
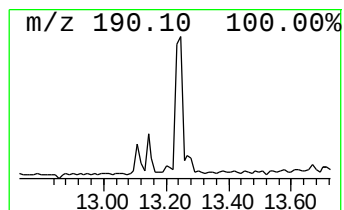
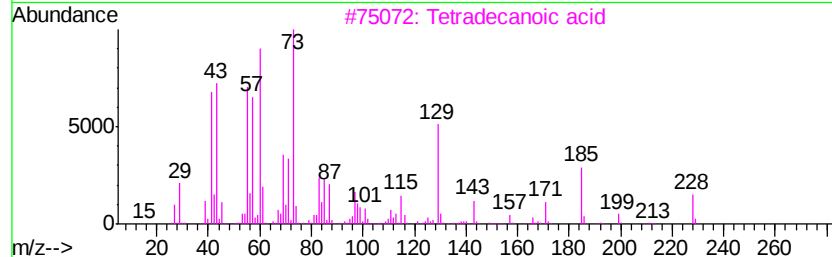
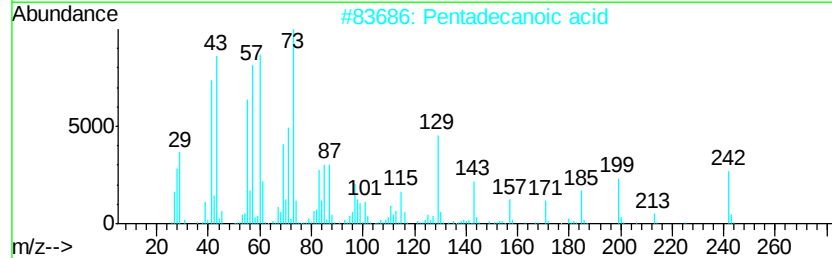
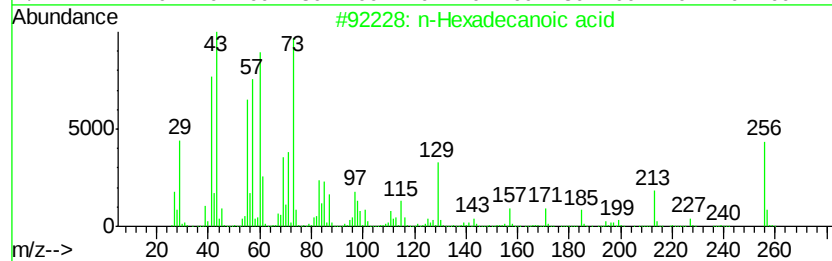
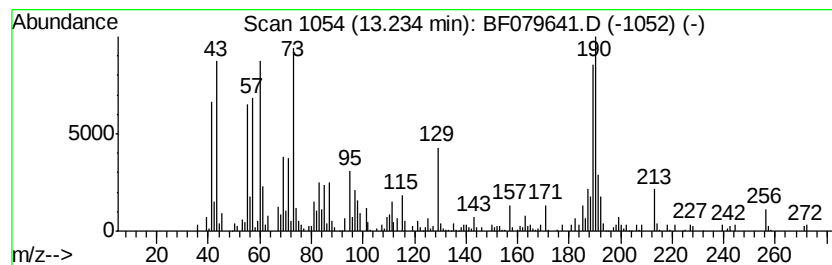
Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.23	10.78 ng	422349	Phenanthrene-d10	12.48		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	74
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	51
4		Tridecanoic acid	214	C13H26O2	000638-53-9	47
5		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079641.D
Acq On : 31 May 2015 19:07
Operator : TP/IZ
Sample : G2427-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL2(0-2)

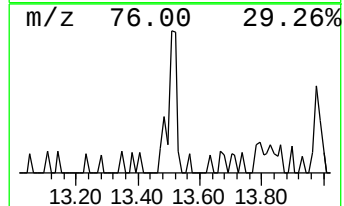
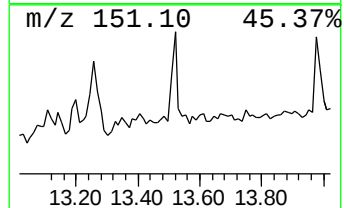
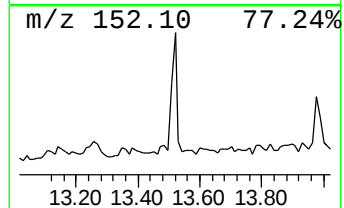
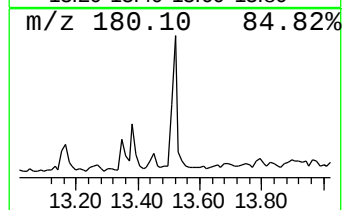
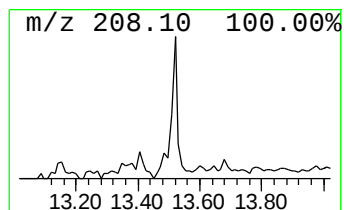
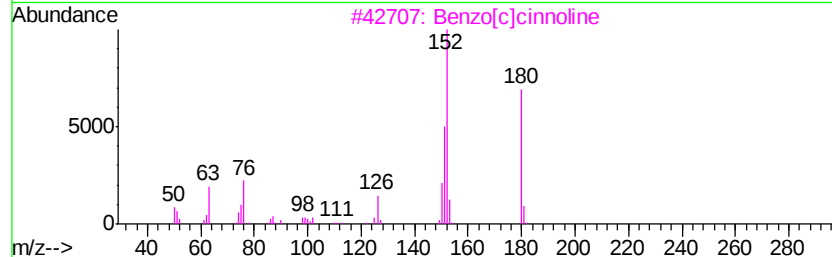
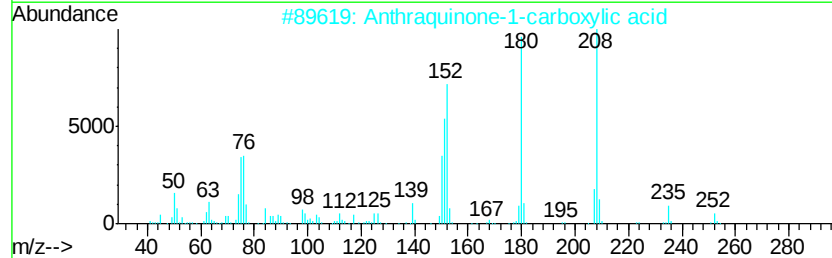
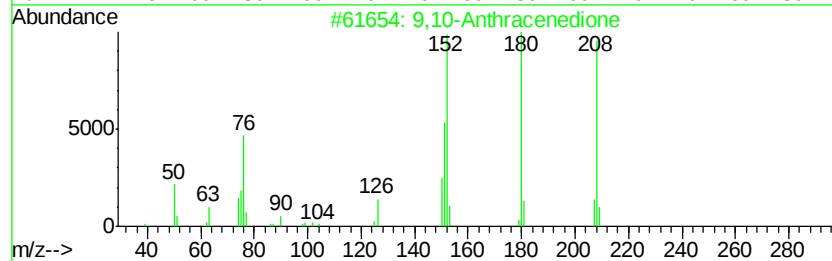
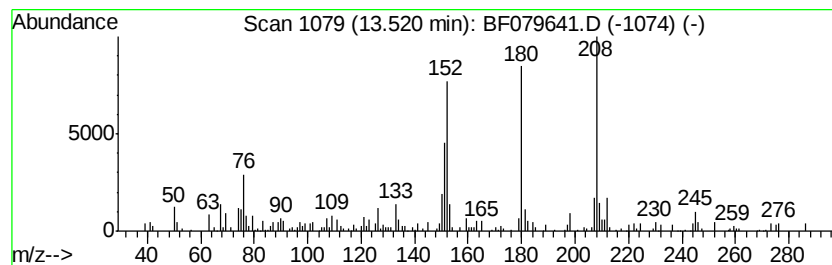
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	6.23 ng	243888	Phenanthrene-d10	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	91
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4		5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	53
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079641.D
Acq On : 31 May 2015 19:07
Operator : TP/IZ
Sample : G2427-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL2(0-2)

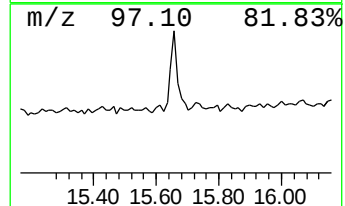
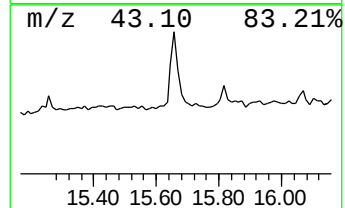
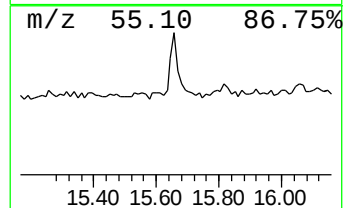
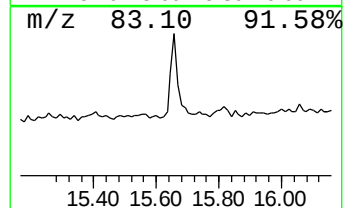
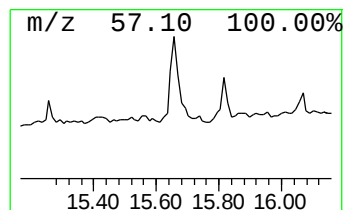
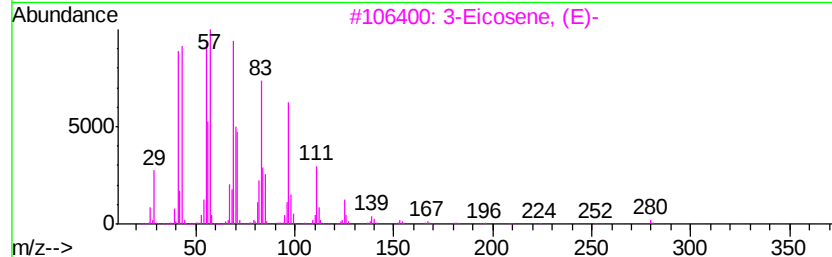
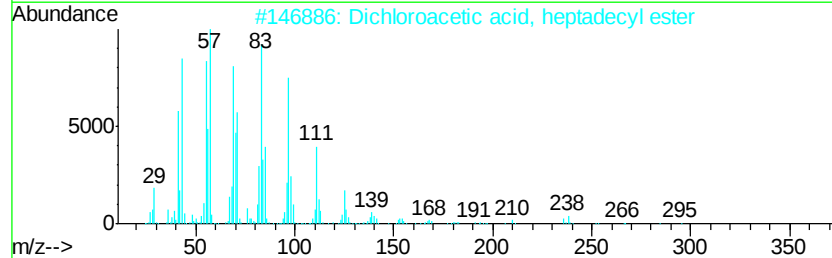
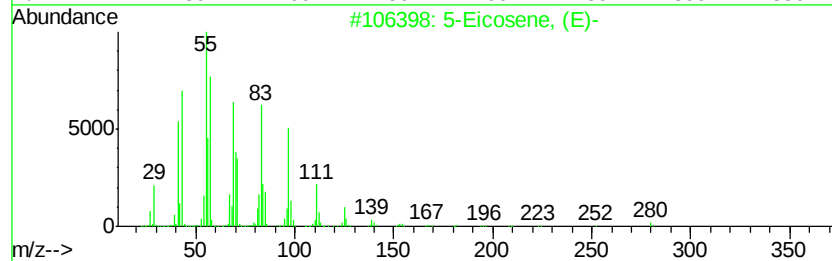
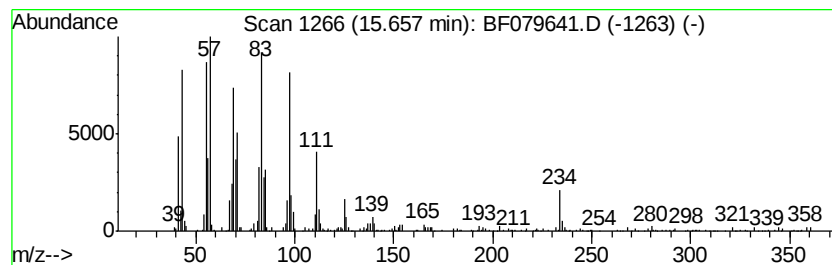
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5-Eicosene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	7.81 ng	376893	Chrysene-d12	15.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosene, (E)-	280	C20H40	074685-30-6	93
2			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
3			3-Eicosene, (E)-	280	C20H40	074685-33-9	92
4			1-Heneicosyl formate	340	C22H44O2	077899-03-7	90
5			Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079641.D
Acq On : 31 May 2015 19:07
Operator : TP/IZ
Sample : G2427-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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...	4.60	4.9	ng	87811	1	6.90	359829	20.0
unknown6.63	6.63	75.5	ng	1358980	1	6.90	359829	20.0
Hexadecane, 2,6,1...	11.85	4.0	ng	157482	4	12.48	783327	20.0
unknown12.21	12.21	3.5	ng	137374	4	12.48	783327	20.0
Phenanthrene, 4-m...	13.11	2.1	ng	80599	4	12.48	783327	20.0
Anthracene, 2-met...	13.14	3.7	ng	145127	4	12.48	783327	20.0
n-Hexadecanoic acid	13.23	10.8	ng	422349	4	12.48	783327	20.0
9,10-Anthracenedione	13.52	6.2	ng	243888	4	12.48	783327	20.0
5-Eicosene, (E)-	15.66	7.8	ng	376893	5	15.76	965522	20.0