

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF101001.D
 Acq On : 30 Nov 2017 3:01
 Operator : SJ/JU
 Sample : I6579-02DL 25X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-4-E(4-5)DL

Manual Integrations
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Sohil
 11/30/2017 4:32:31 PM

Quant Time: Nov 30 07:49:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	46684	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	160006	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	58456	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	106790	20.00	ng	0.00
75) Chrysene-d12	14.02	240	110867	20.00	ng	0.00
86) Perylene-d12	15.50	264	87954	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	9515	3.27	ng	0.00
7) Phenol-d6	6.48	99	11278	3.14	ng	-0.01
23) Nitrobenzene-d5	7.41	82	5566	2.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	1857	3.12	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	13389	3.49	ng	-0.01
78) Terphenyl-d14	12.96	244	13880	2.88	ng	-0.01
Target Compounds						
70) Phenanthrene	11.40	178	91999	16.362	ng	96
71) Anthracene	11.45	178	24768	4.342	ng	97
74) Fluoranthene	12.59	202	204870	34.380	ng	97
77) Pyrene	12.82	202	195547	24.743	ng	98
80) Benzo(a)anthracene	14.01	228	103394	15.487	ng	98
82) Chrysene	14.04	228	85498	13.224	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	50183	9.596	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	106169m	20.375	ng	
88) Benzo(k)fluoranthene	15.09	252	38184m	7.756	ng	
89) Benzo(a)pyrene	15.43	252	77751	16.831	ng	97
90) Dibenzo(a,h)anthracene	16.98	278	11948m	3.163	ng	
91) Benzo(a,h,i)perylene	17.43	276	49262	13.321	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

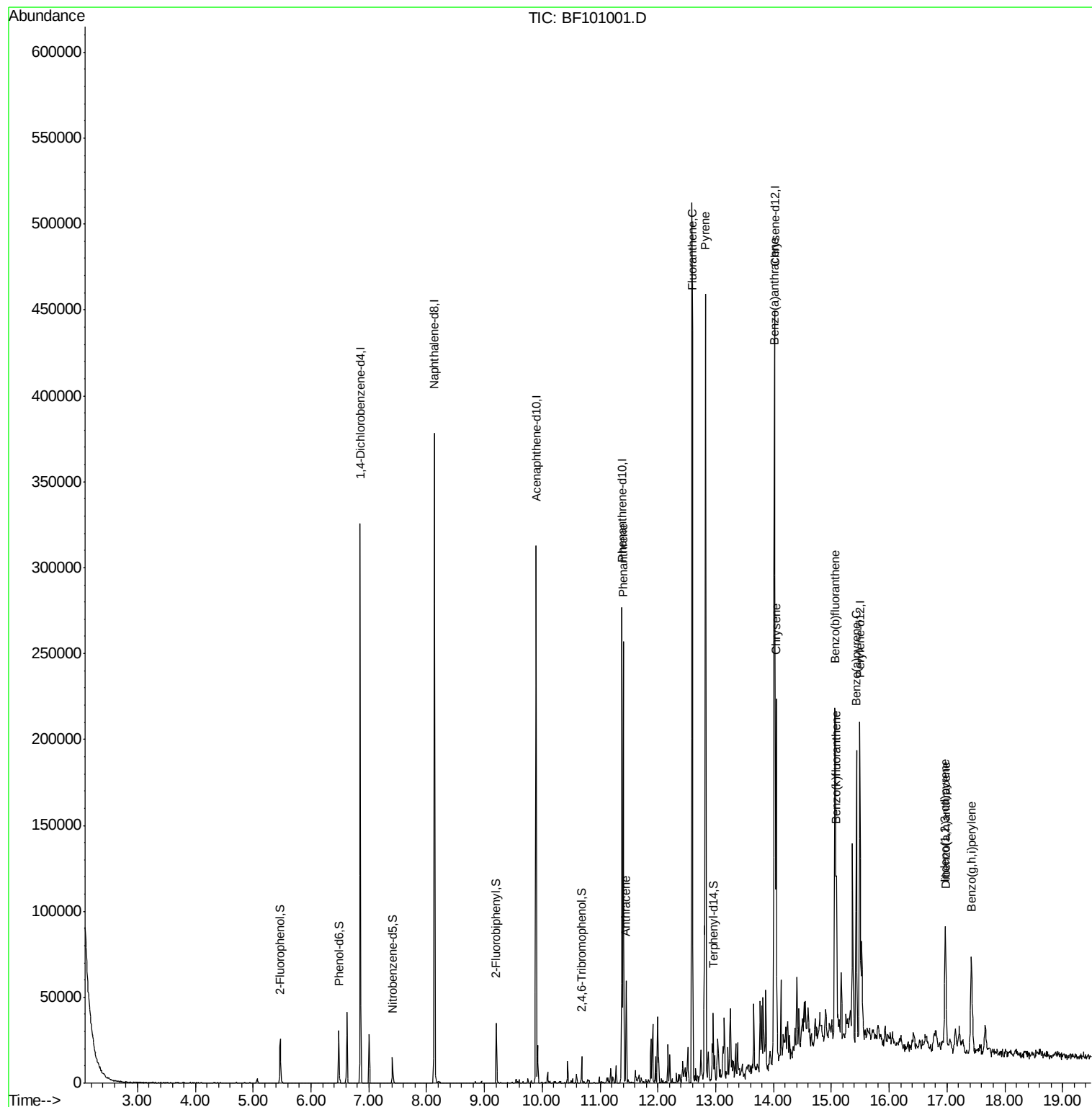
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
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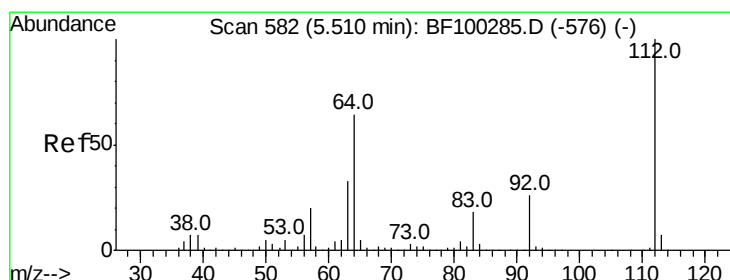
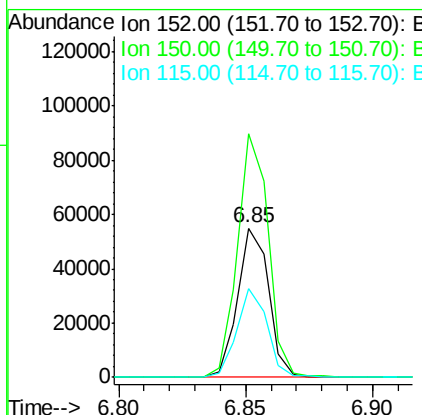
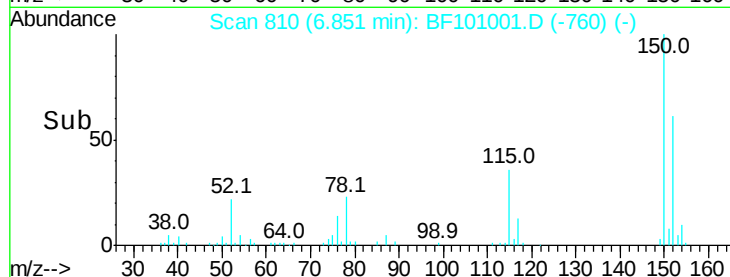
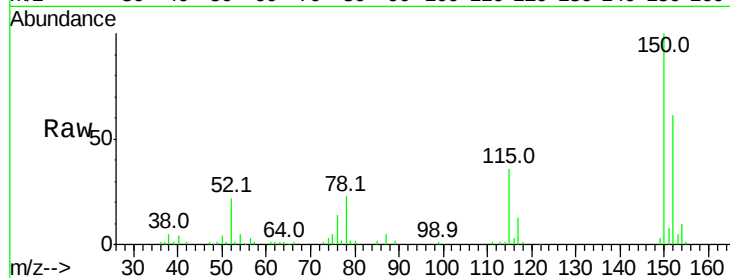
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 HAR-4-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	124.6	186.8
115	59.6	50.1	75.1

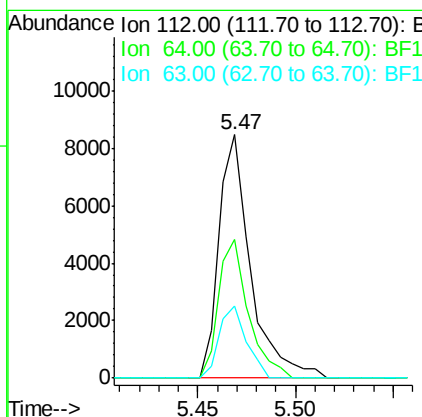
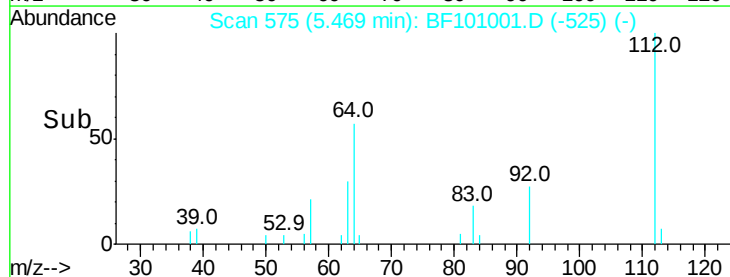
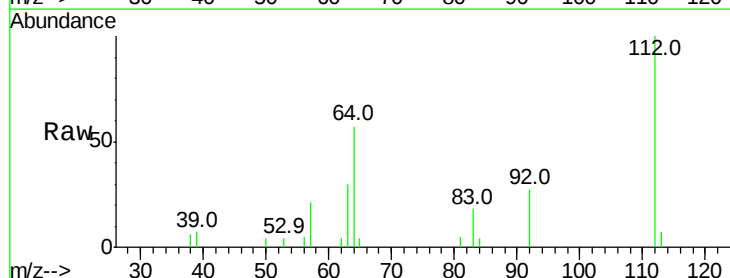
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#5
 2-Fluorophenol
 Concen: 3.267 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 3.140 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

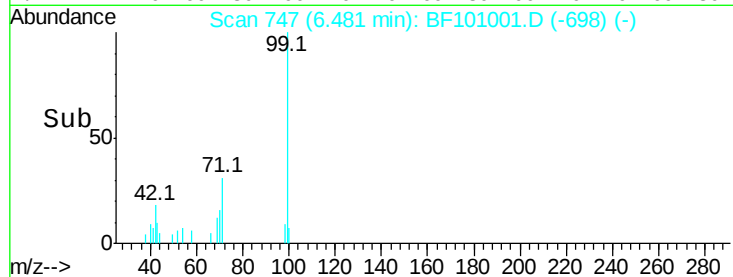
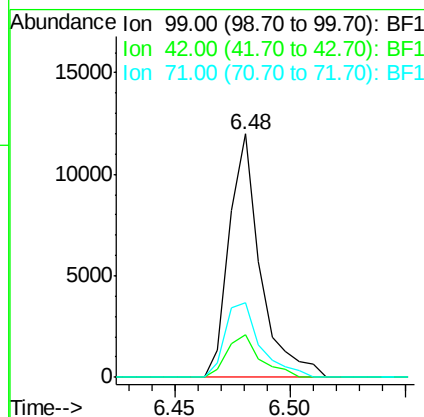
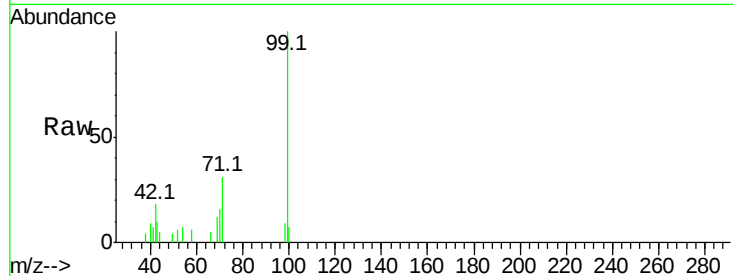
ClientSampleId :

HAR-4-E(4-5)DL

Tot Ion:	99	Resp:	11278
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.5	21.7
71	30.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

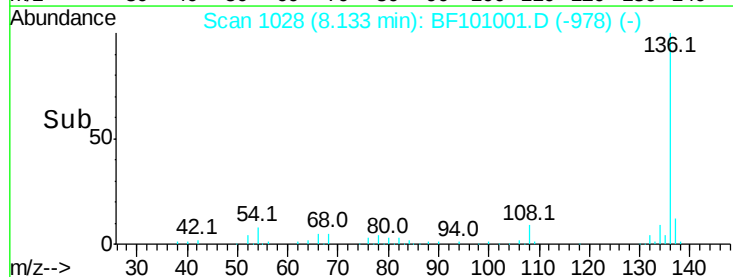
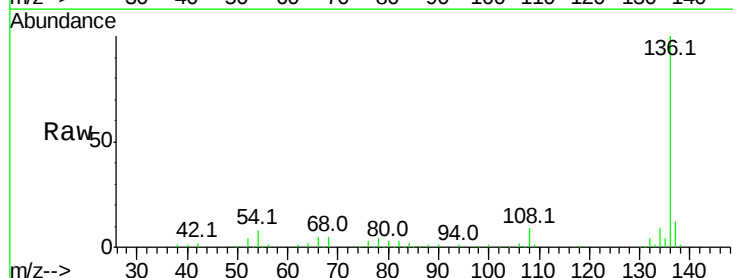
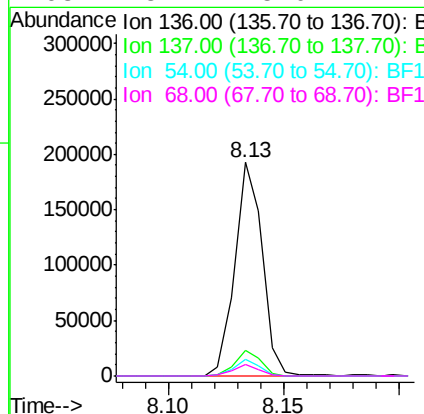
RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Tgt Ion:	136	Resp:	160006
Ion Ratio	Lower	Upper	
136	100		
137	12.2	8.9	13.3
54	7.7	6.6	9.8
68	5.4	5.0	7.4





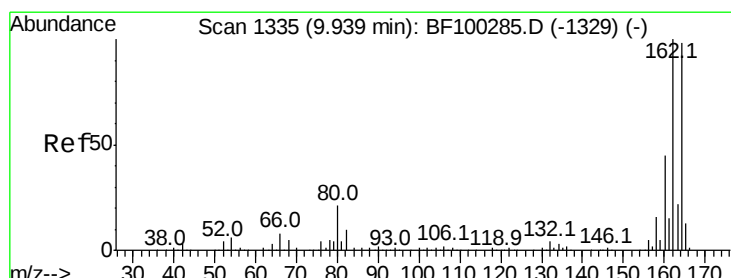
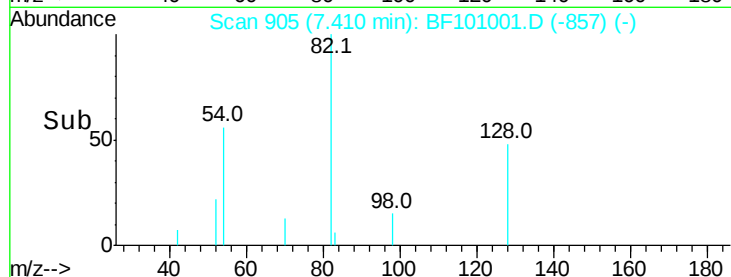
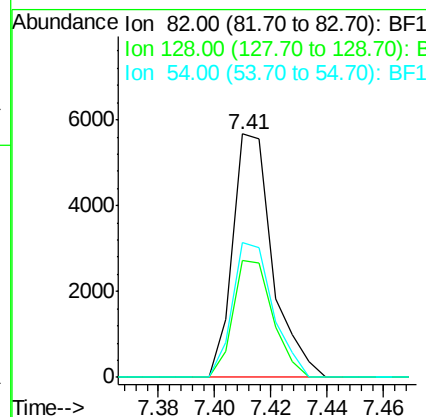
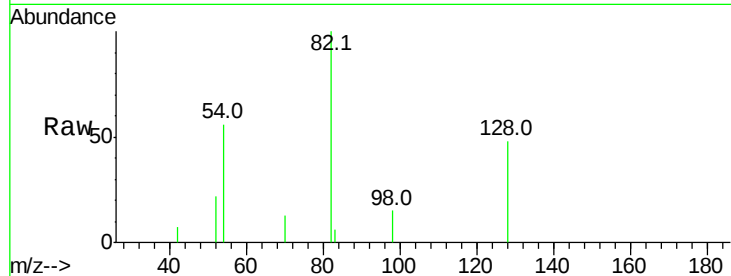
#23
Nitrobenzene-d5
Concen: 2.300 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.1	54.1
54	55.6	41.4	62.2

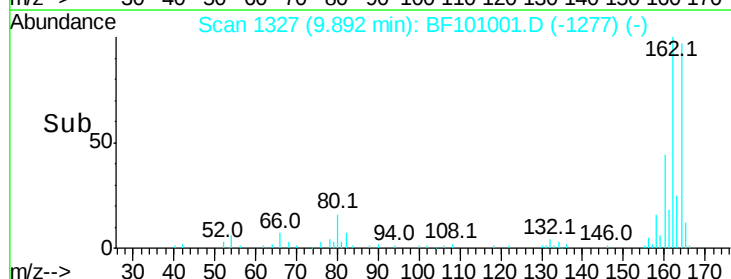
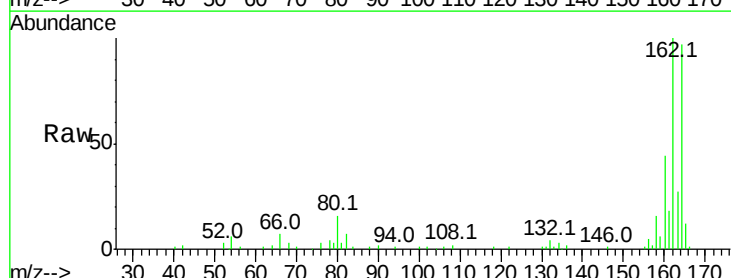
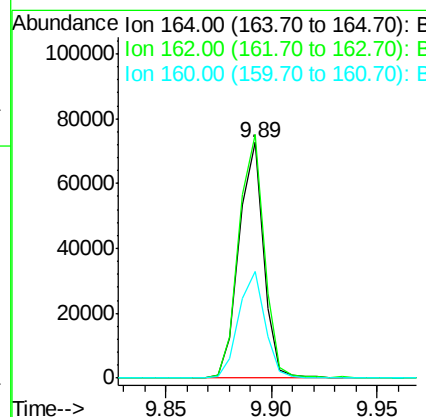
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	45.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 3.118 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

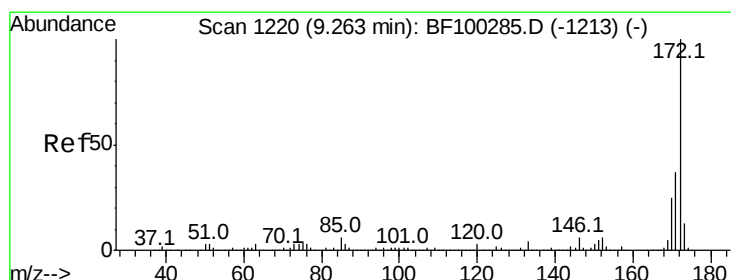
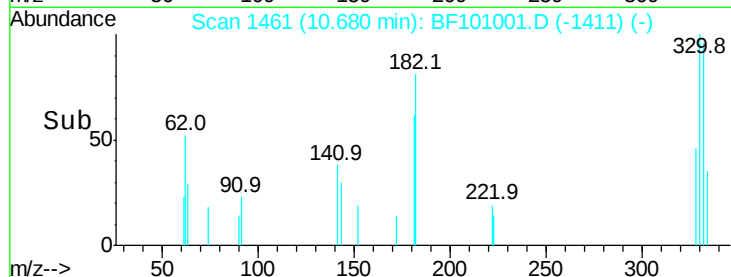
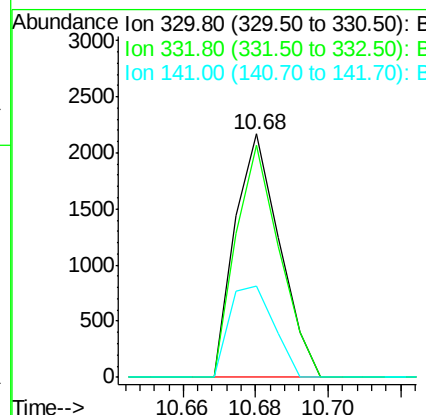
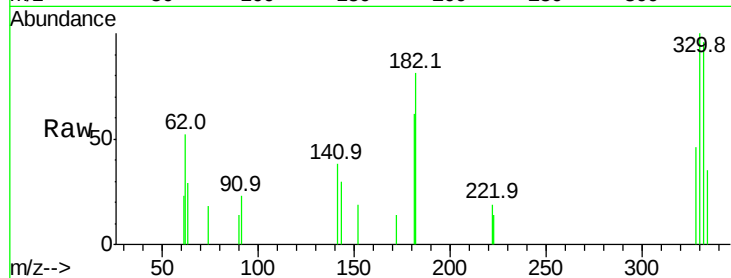
ClientSampleId :

HAR-4-E(4-5)DL

Tot Ion:	330	Resp:	1857
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.0	115.6
141	37.6	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 3.488 ng

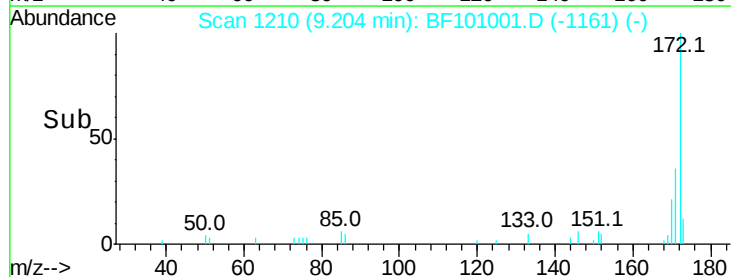
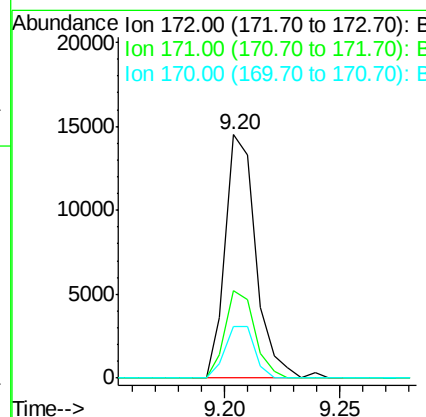
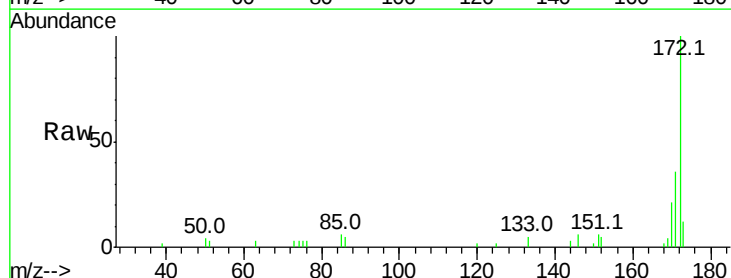
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Tgt Ion:	172	Resp:	13389
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.7	44.5
170	21.0	19.6	29.4





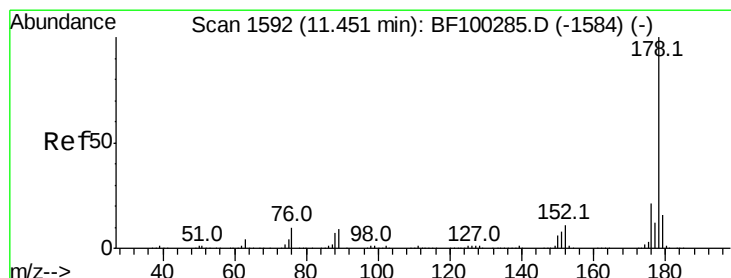
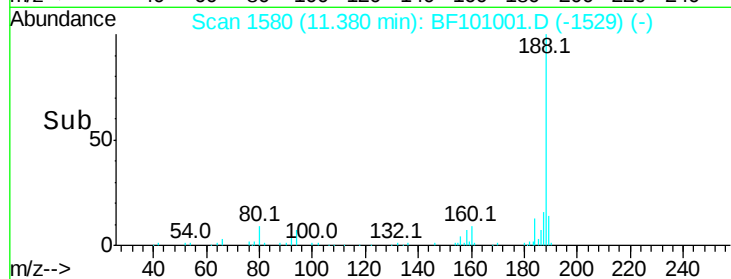
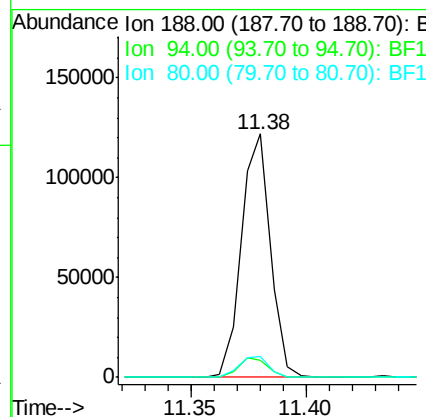
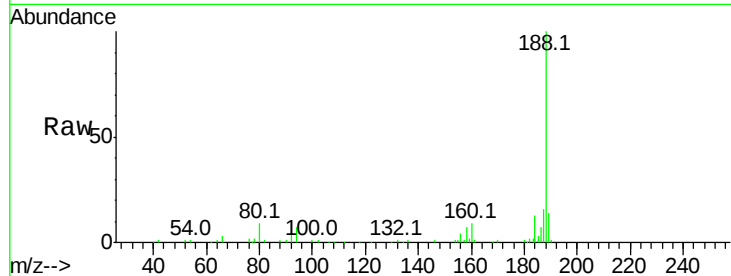
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.0	8.5	12.7#
80	8.5	9.2	13.8#

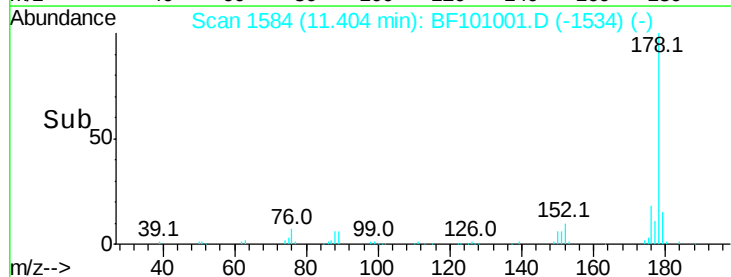
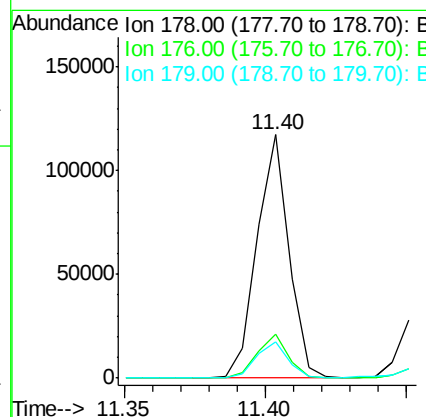
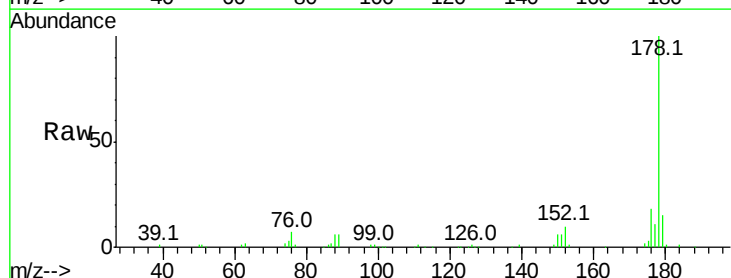
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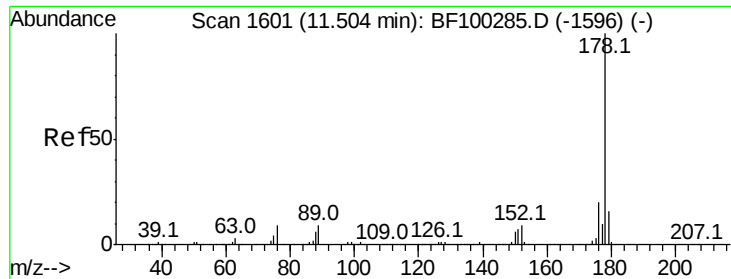
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#70
Phenanthrene
Concen: 16.362 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.9	15.8	23.8
179	14.7	13.0	19.6





#71

Anthracene

Concen: 4.342 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

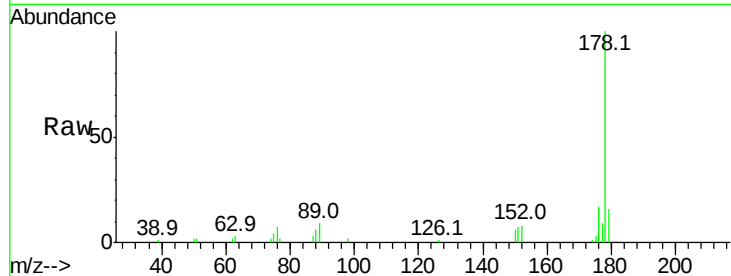
ClientSampleId :

HAR-4-E(4-5)DL

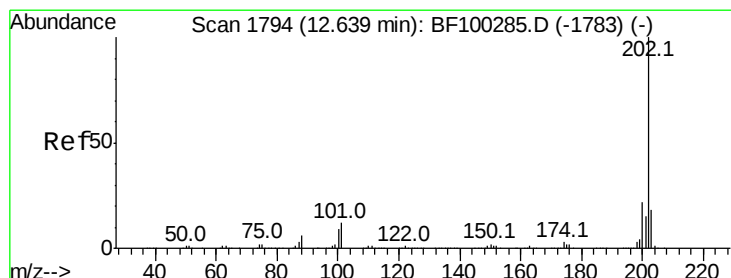
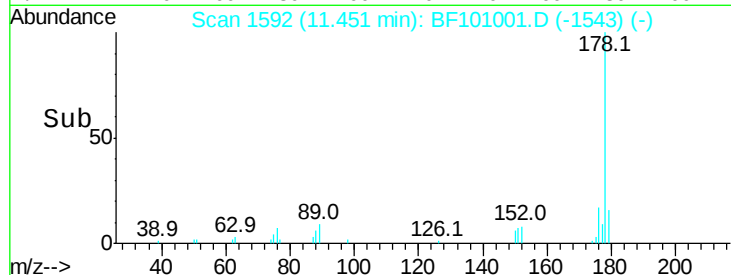
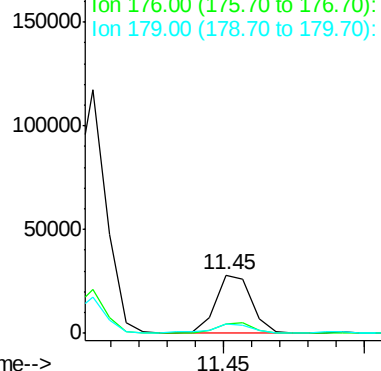
Tot Ion:	178	Resp:	24768
Ion Ratio	Lower	Upper	
178	100		
176	16.9	15.4	23.2
179	15.5	12.6	19.0

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 34.380 ng

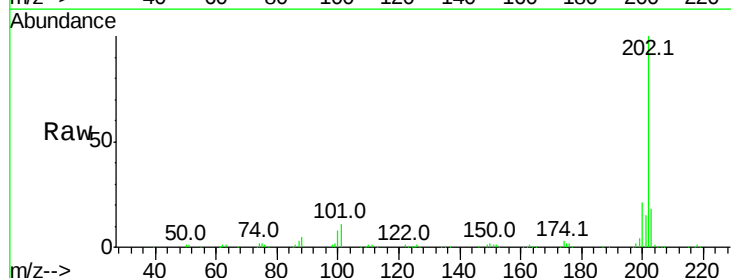
RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

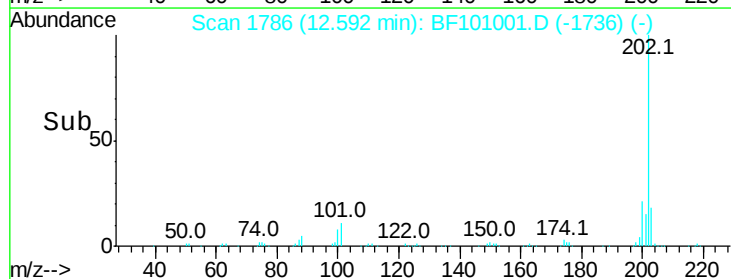
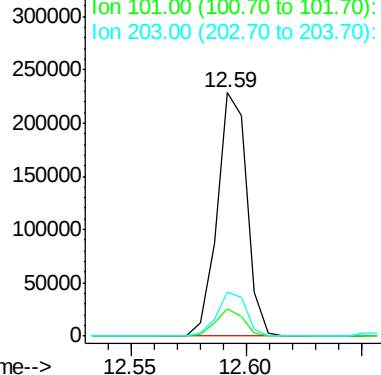
Lab File: BF101001.D

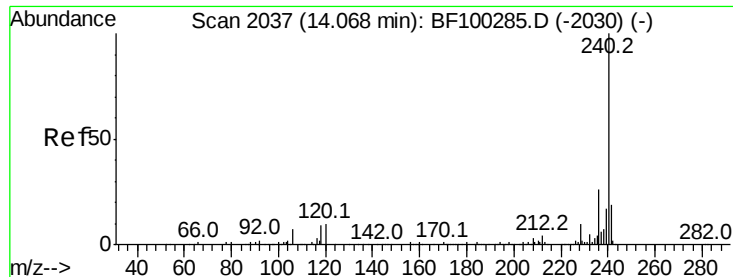
Acq: 30 Nov 2017 3:01

Tgt Ion:	202	Resp:	204870
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	34.1
203	17.9	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

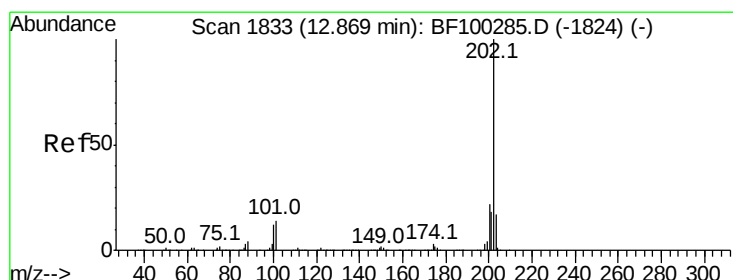
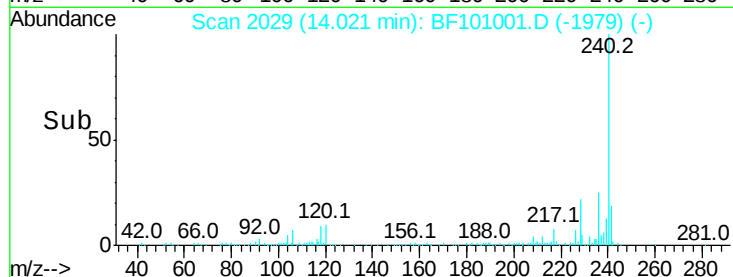
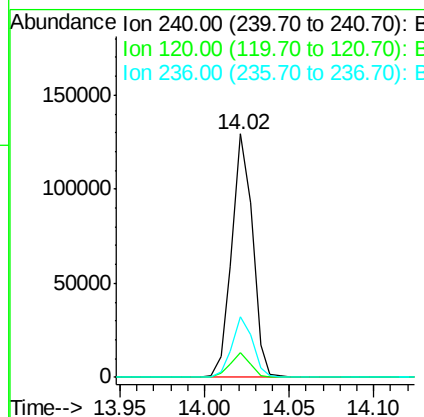
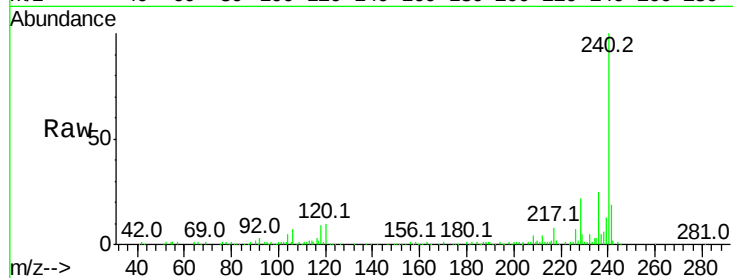
ClientSampleId :

HAR-4-E(4-5)DL

Tot Ion:	240	Resp:	110867
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.5	14.3
236	24.7	20.7	31.1

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#77

Pyrene

Concen: 24.743 ng

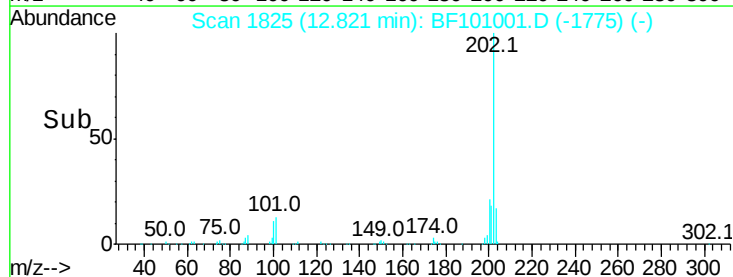
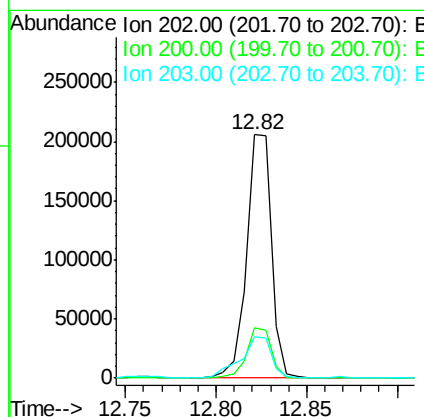
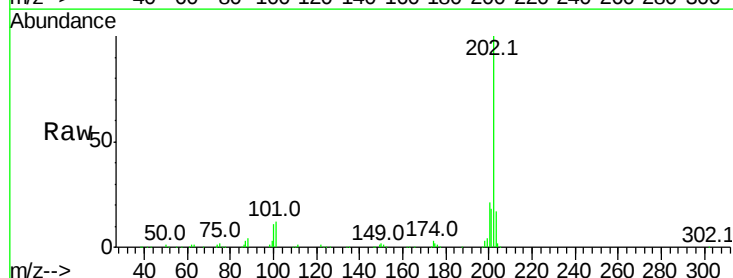
RT: 12.82 min Scan# 1825

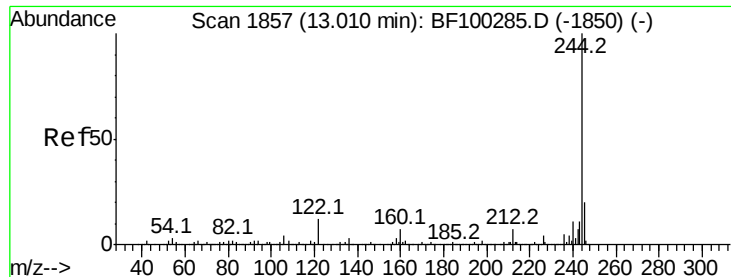
Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Tgt Ion:	202	Resp:	195547
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.1	14.3	21.5





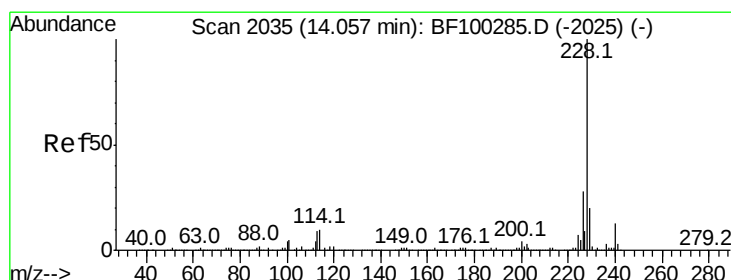
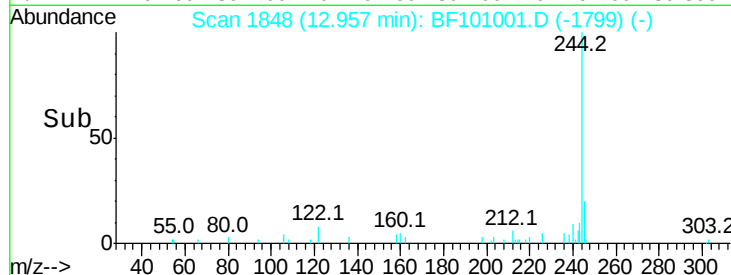
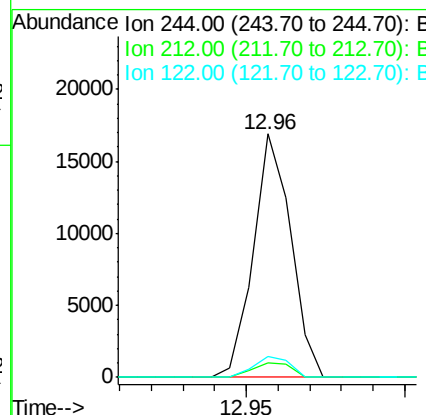
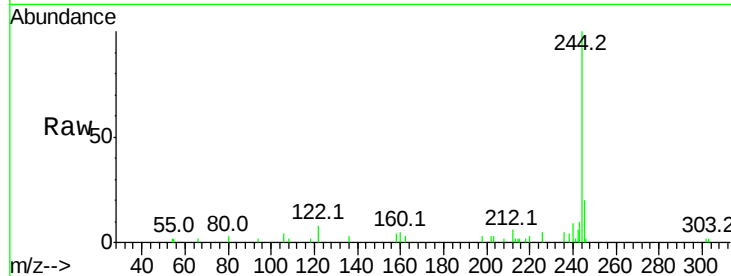
#78
 Terphenyl-d14
 Concen: 2.877 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 HAR-4-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	8.4	11.0	16.4

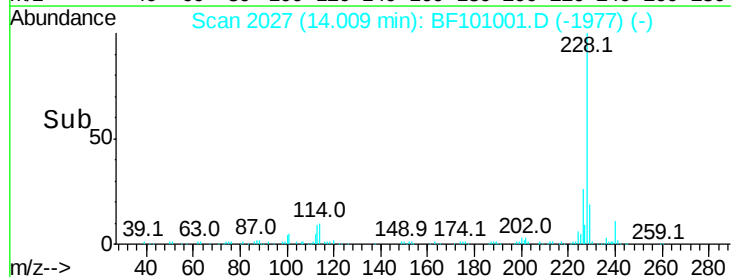
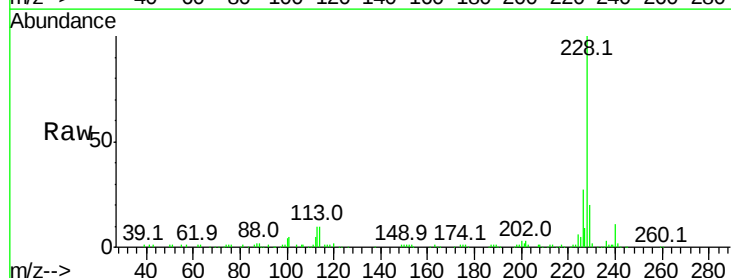
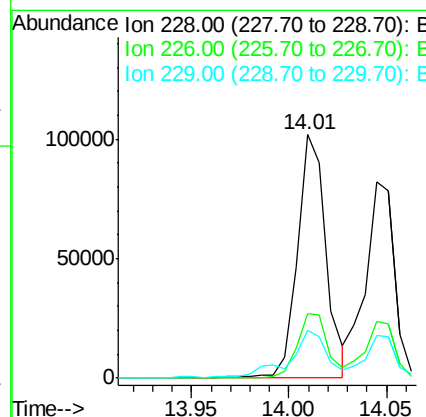
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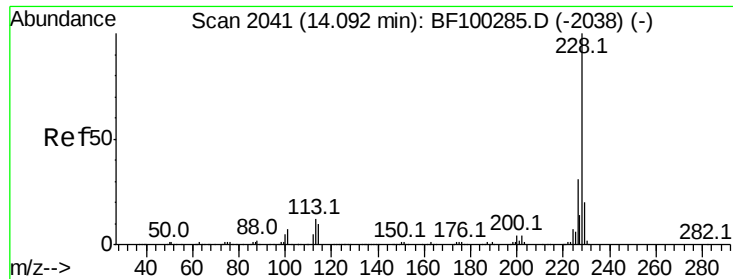
Sohil
 11/30/2017 4:32:31 PM



#80
 Benzo(a)anthracene
 Concen: 15.487 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF101001.D
 Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	19.8	15.8	23.6





#82

Chrysene

Concen: 13.224 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Instrument :

BNA_F

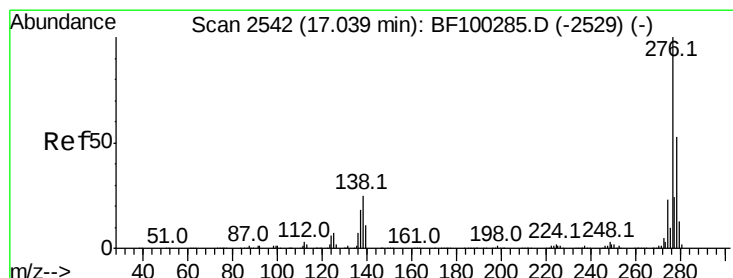
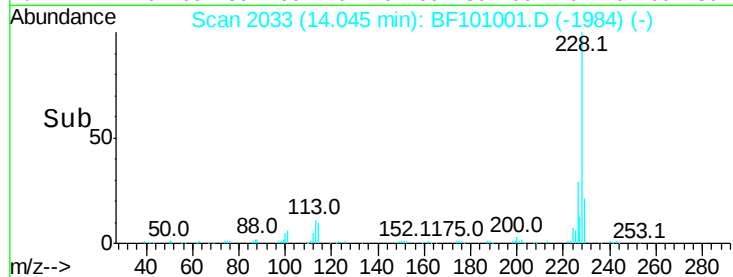
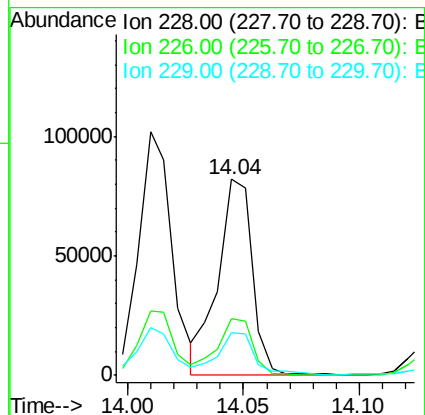
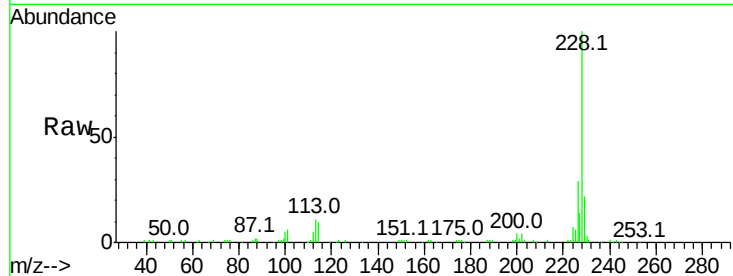
ClientSampleID :

HAR-4-E(4-5)DL

Tot Ion:	228	Resp:	85498
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.6
229	21.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.596 ng

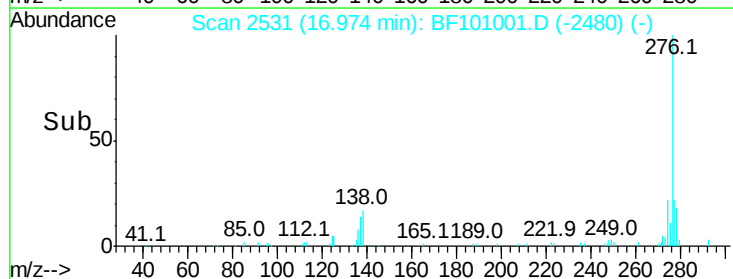
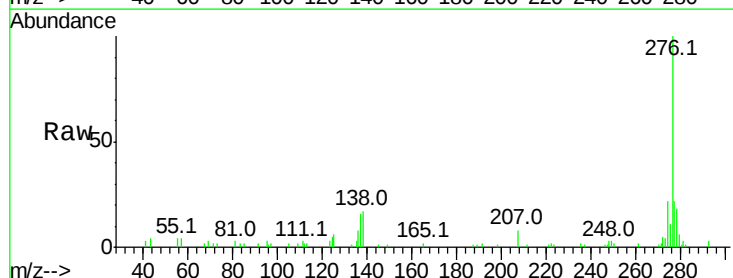
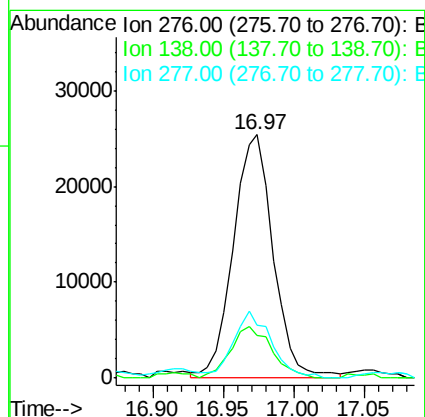
RT: 16.97 min Scan# 2531

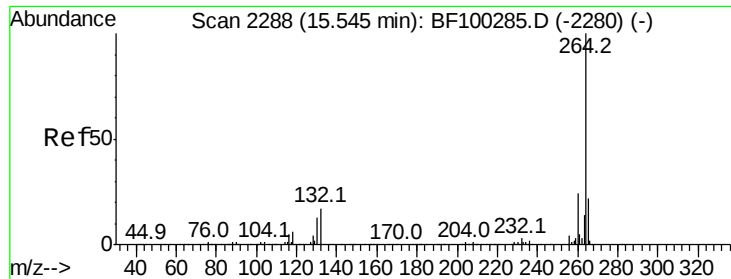
Delta R.T. -0.00 min

Lab File: BF101001.D

Acq: 30 Nov 2017 3:01

Tgt Ion:	276	Resp:	50183
Ion Ratio	Lower	Upper	
276	100		
138	21.9	25.0	37.6#
277	26.4	20.1	30.1





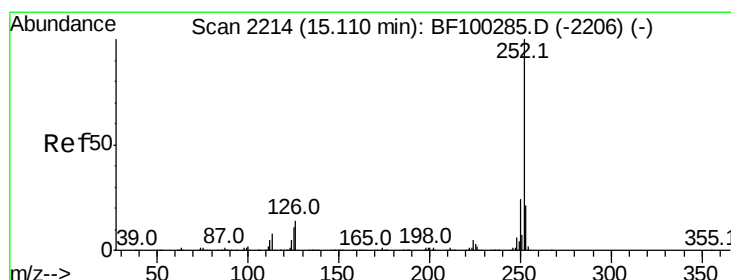
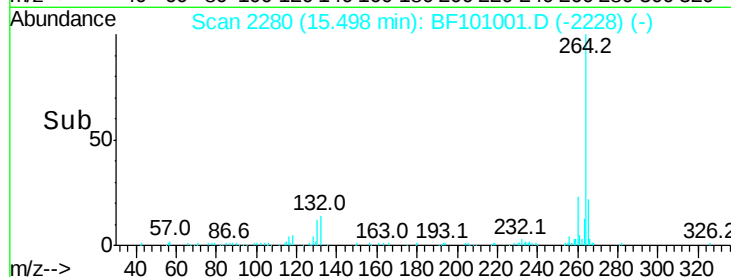
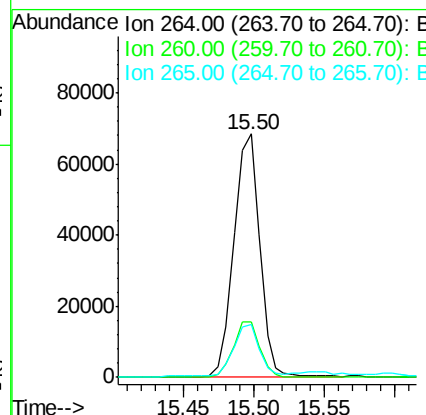
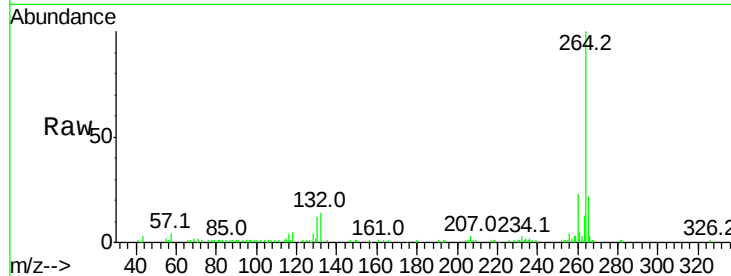
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.7	17.5	26.3

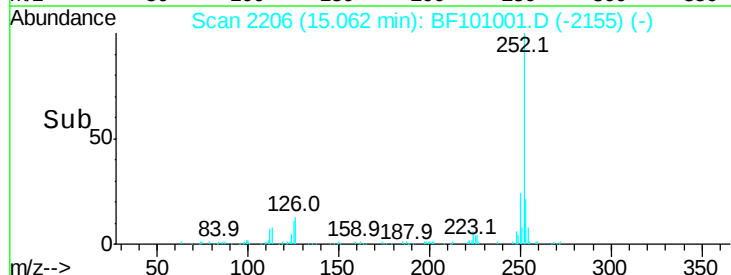
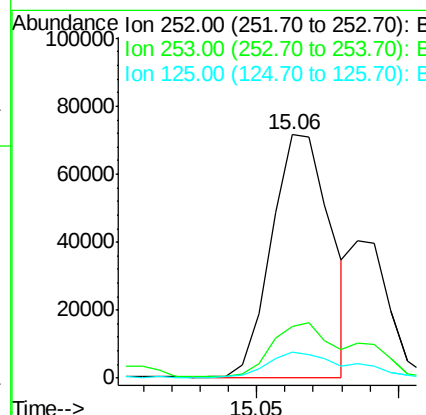
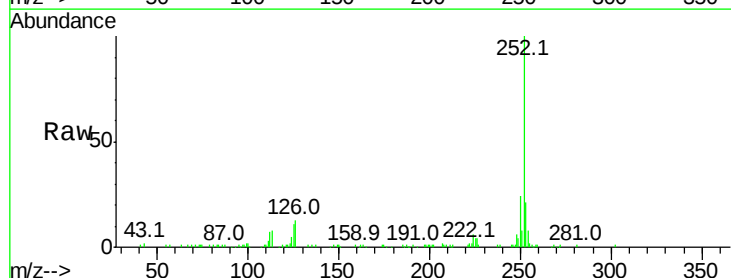
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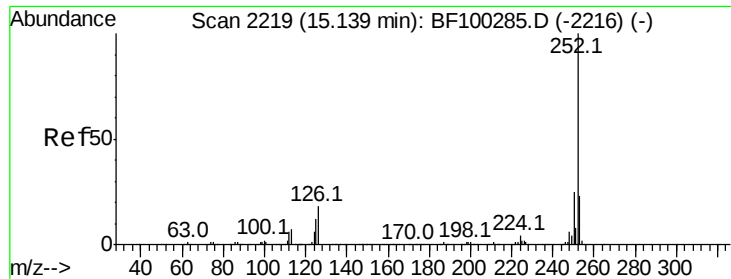
Sohil
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#87
Benzo(b)fluoranthene
Concen: 20.375 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.6
125	10.7	9.0	13.6





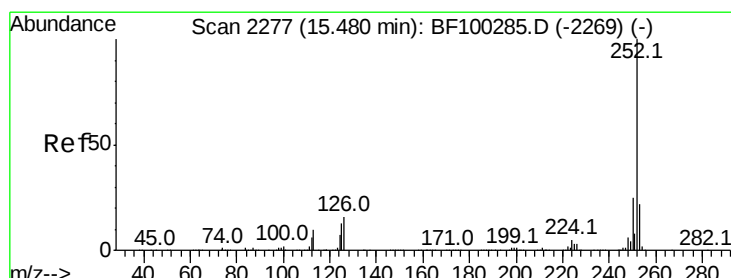
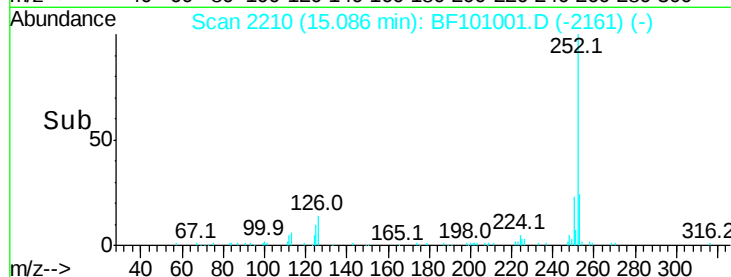
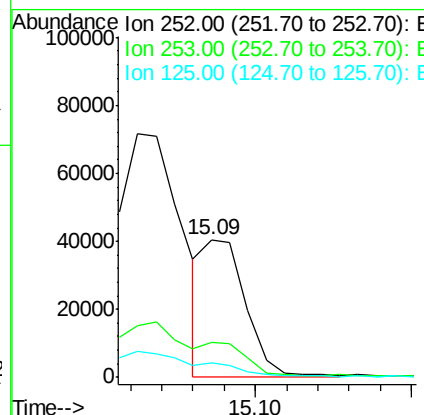
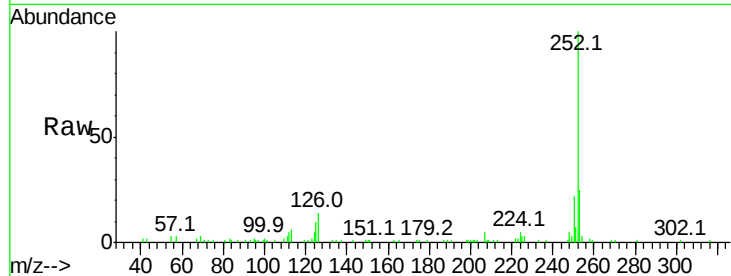
#88
Benzo(k)fluoranthene
Concen: 7.756 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	10.5	10.2	15.2

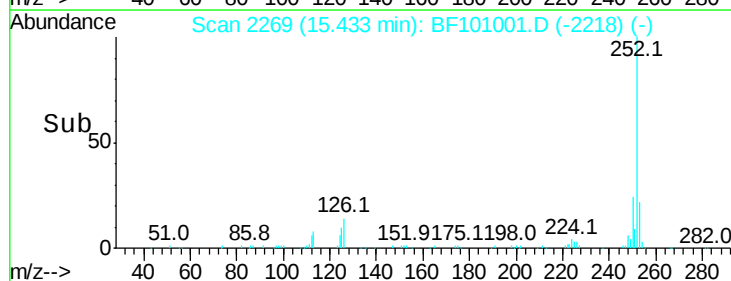
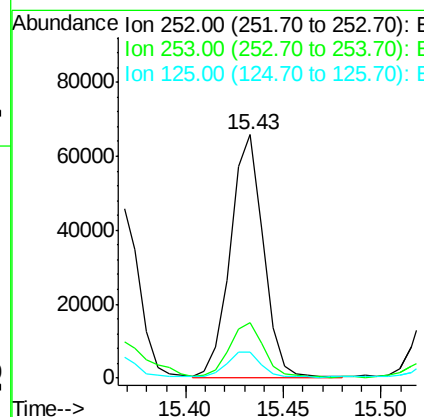
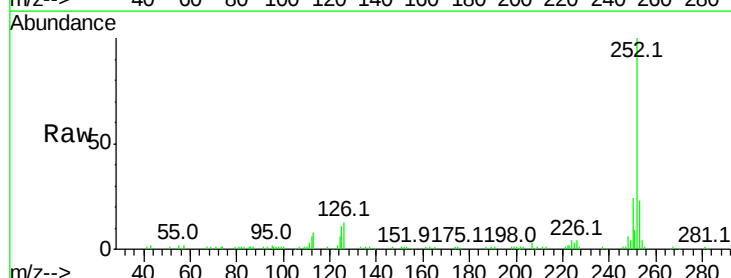
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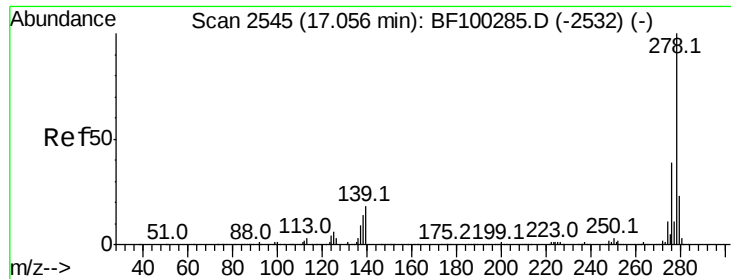
Sohil
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#89
Benzo(a)pyrene
Concen: 16.831 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.8	9.8	14.6





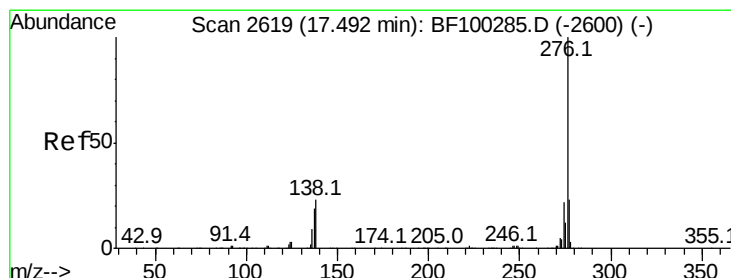
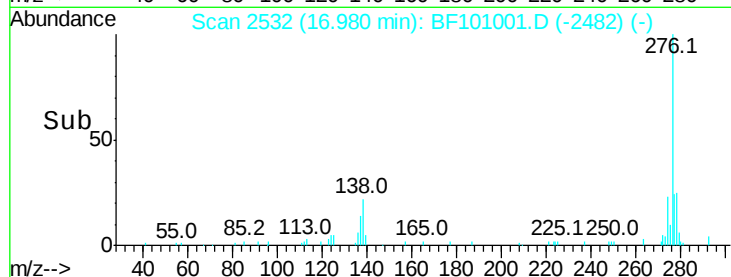
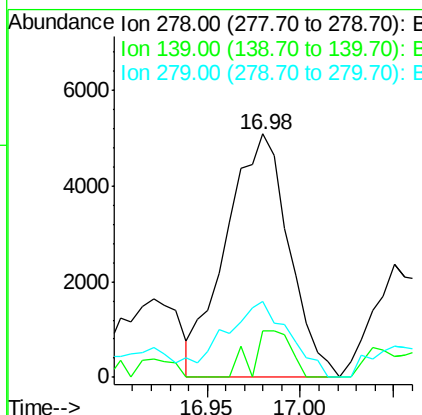
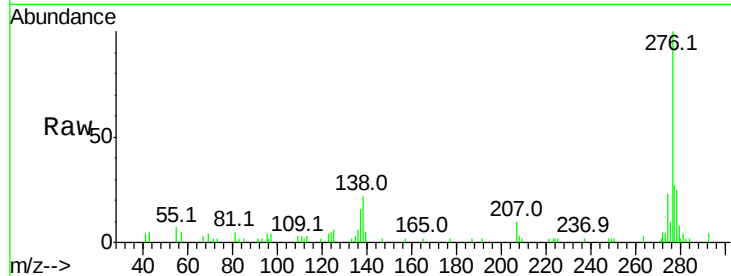
#90
Dibenzo(a,h)anthracene
Concen: 3.163 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.2	15.9	23.9
279	31.2	19.0	28.4

Manual Integrations
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11/30/2017 4:32:31 PM



#91
Benzo(g,h,i)perylene
Concen: 13.321 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF101001.D
Acq: 30 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	21.5	21.8	32.8

