

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078631.D
 Acq On : 18 Apr 2015 8:32
 Operator : TP/IZ
 Sample : G1919-01 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

Manual Integrations
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Quant Time: Apr 20 01:18:25 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	34860	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	150879	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	78643	20.00	ng	-0.01
63) Phenanthrene-d10	12.22	188	164218	20.00	ng	0.00
75) Chrysene-d12	15.47	240	189726	20.00	ng	0.01
86) Perylene-d12	17.19	264	196371	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	40705	19.25	ng	0.00
7) Phenol-d6	6.28	99	55572	20.97	ng	0.00
23) Nitrobenzene-d5	7.38	82	31204	12.54	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	14941	22.91	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	71848	13.06	ng	0.00
78) Terphenyl-d14	14.21	244	93047	11.08	ng	0.00
Target Compounds						
70) Phenanthrene	12.25	178	157535	16.58	ng	Qvalue 100
71) Anthracene	12.31	178	43319	4.63	ng	98
74) Fluoranthene	13.70	202	254555	25.41	ng	98
77) Pyrene	13.98	202	222881	18.71	ng	96
80) Benzo(a)anthracene	15.46	228	135488	12.00	ng	99
82) Chrysene	15.50	228	116957	11.03	ng	98
85) Indeno(1,2,3-cd)pyrene	18.38	276	71172	5.91	ng	# 90
87) Benzo(b)fluoranthene	16.74	252	159583m	13.15	ng	
88) Benzo(k)fluoranthene	16.78	252	43359m	4.02	ng	
89) Benzo(a)pyrene	17.12	252	108276	10.22	ng	96
91) Benzo(g,h,i)perylene	18.70	276	64304	6.05	ng	100

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

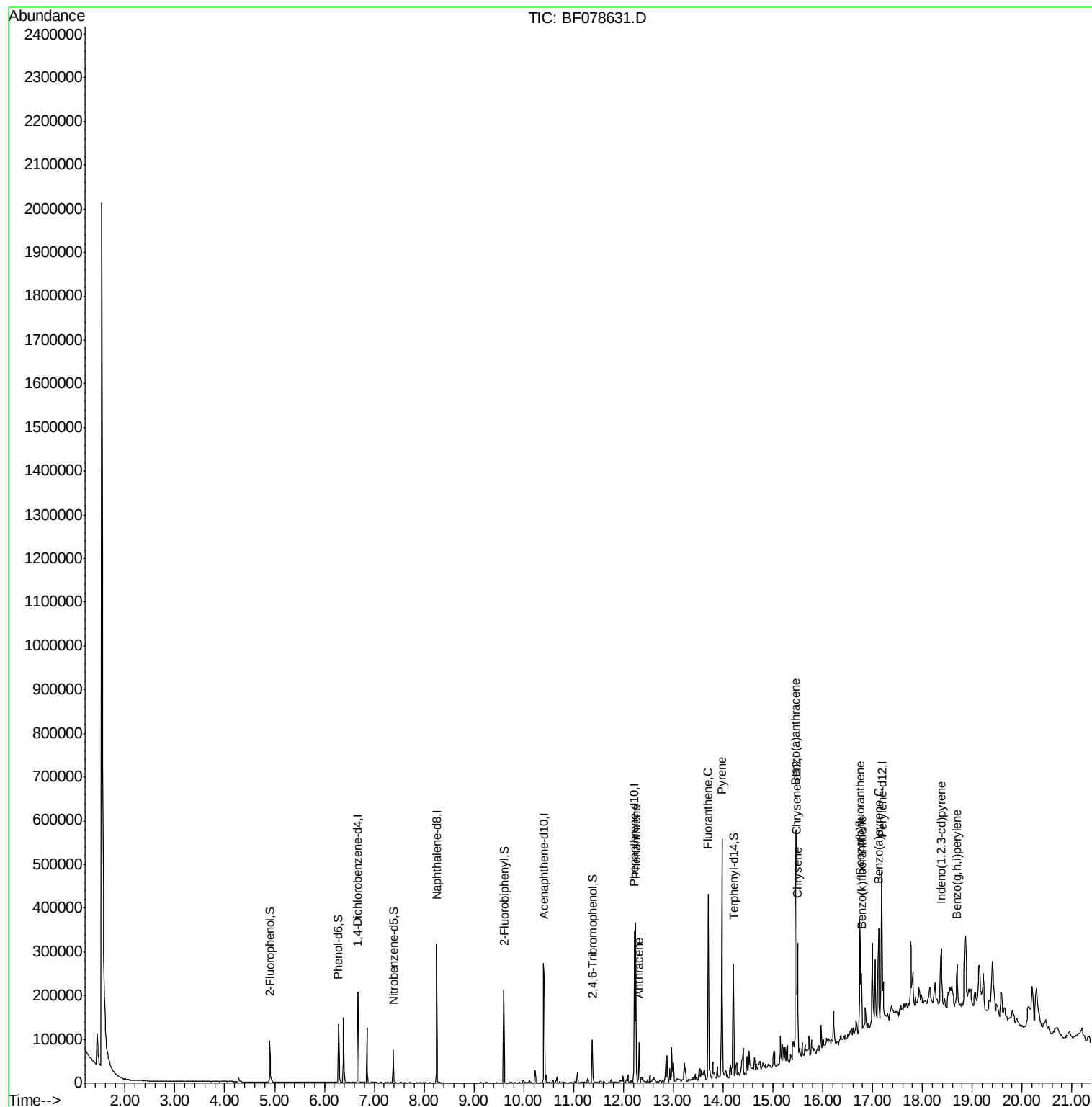
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078631.D
Acq On : 18 Apr 2015 8:32
Operator : TP/IZ
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Misc :
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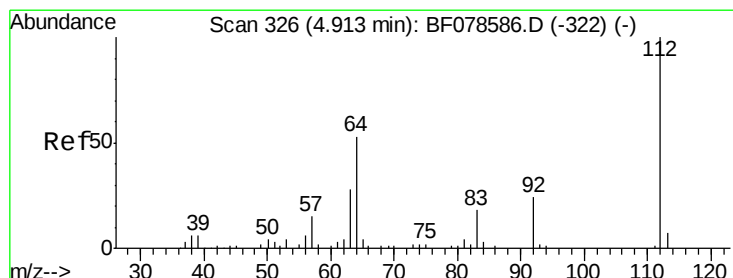
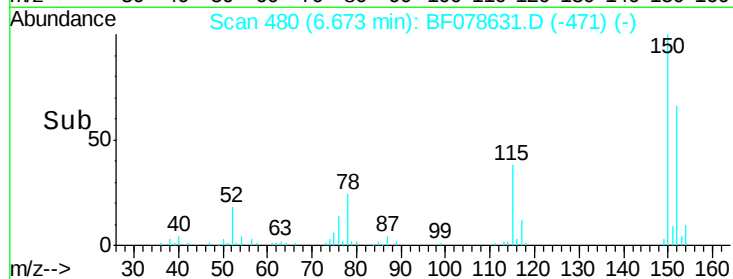
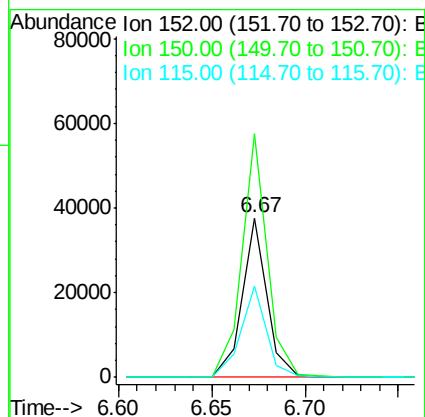
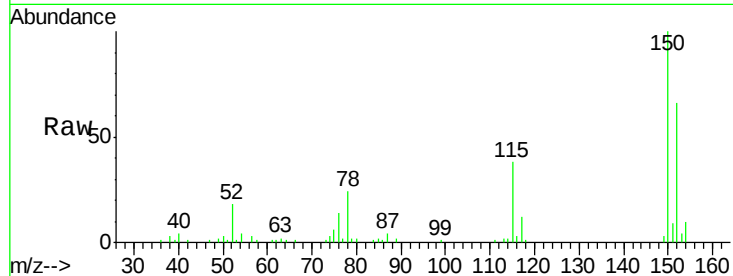
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	125.9	188.9
115	57.4	52.7	79.1

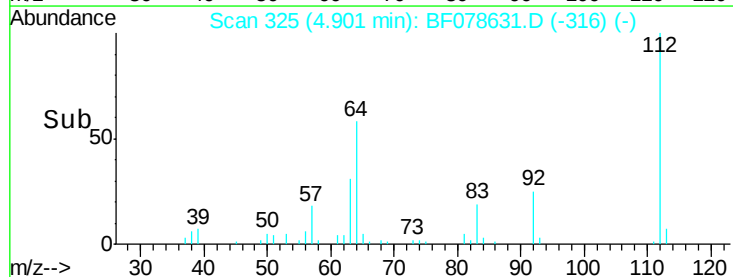
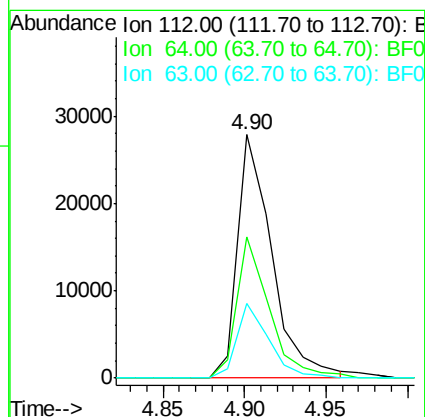
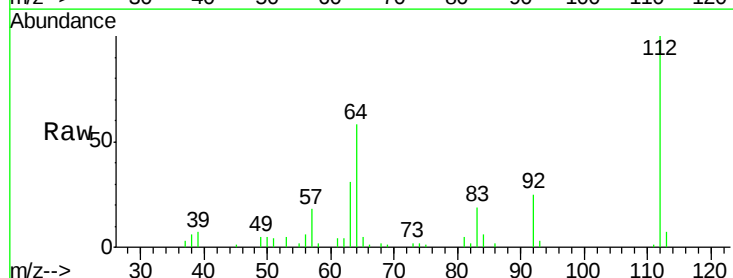
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#5
 2-Fluorophenol
 Concen: 19.25 ng
 RT: 4.90 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	39.9	59.9
63	30.7	20.2	30.4





#7

Phenol-d6

Concen: 20.97 ng

RT: 6.28 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

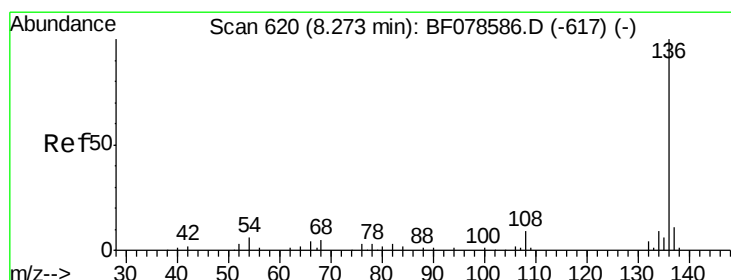
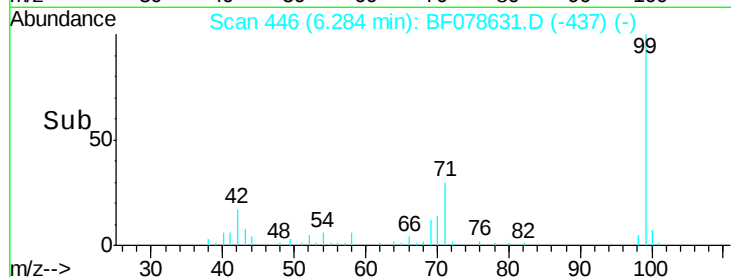
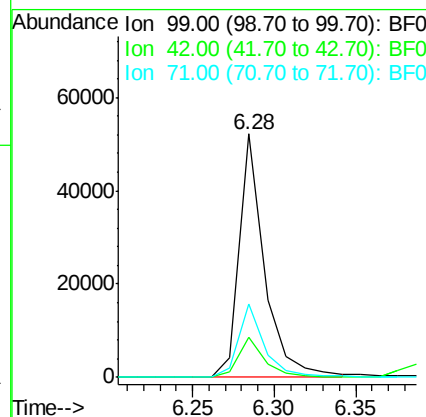
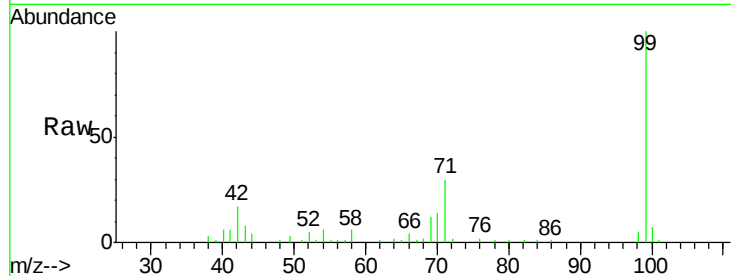
ClientSampleId :

CF-NATURES-07

Tot Ion:	99	Resp:	55572
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.8	22.2
71	30.1	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

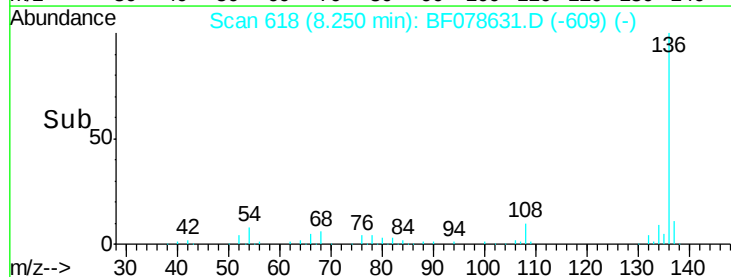
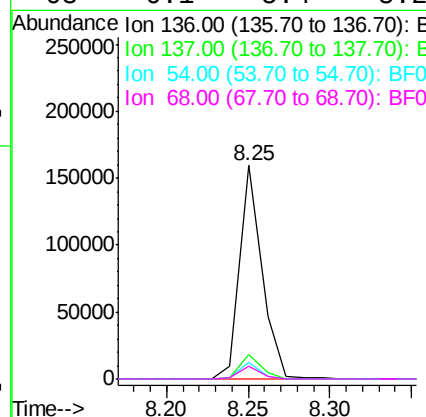
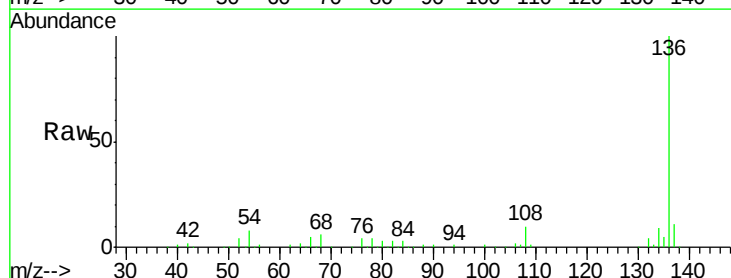
RT: 8.25 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Tgt Ion:	136	Resp:	150879
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.9	7.0	10.6
68	6.1	5.4	8.2





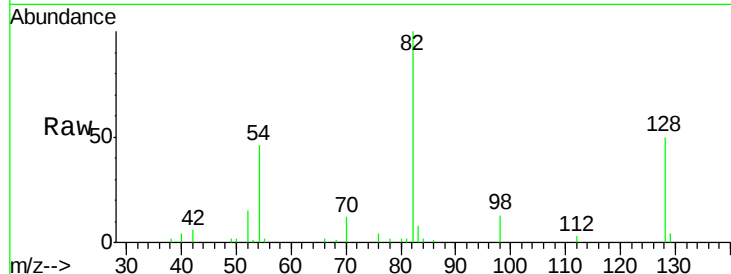
#23
 Nitrobenzene-d5
 Concen: 12.54 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

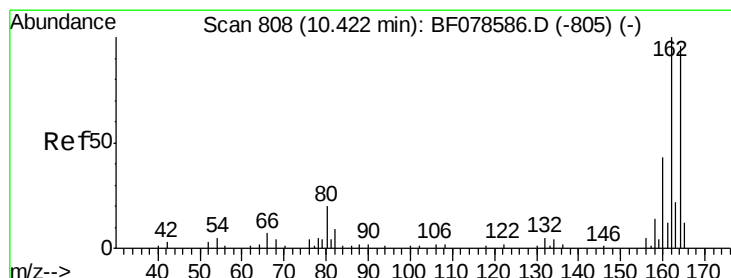
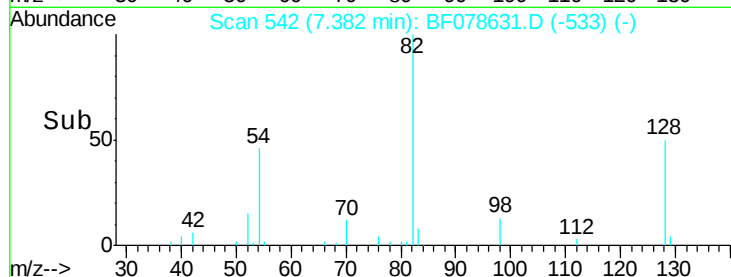
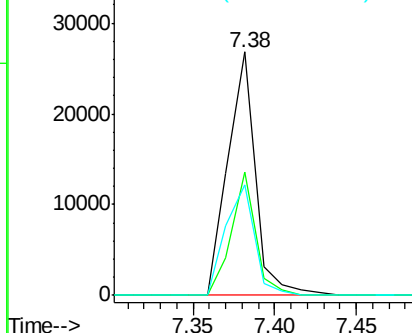
Tot Ion	Ratio	Lower	Upper
82	100		
128	50.5	31.8	47.8
54	45.6	41.5	62.3

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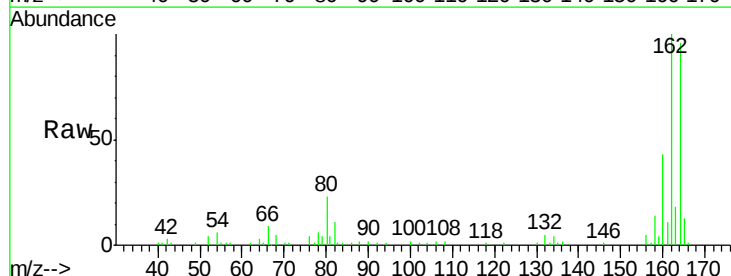


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

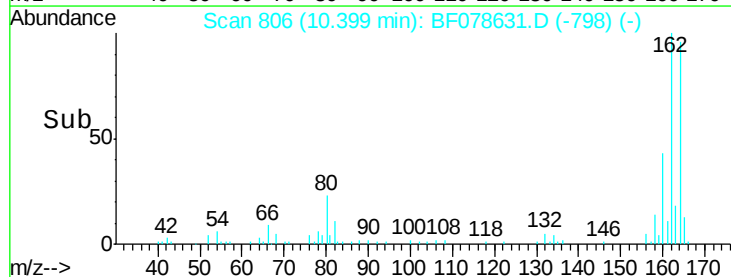
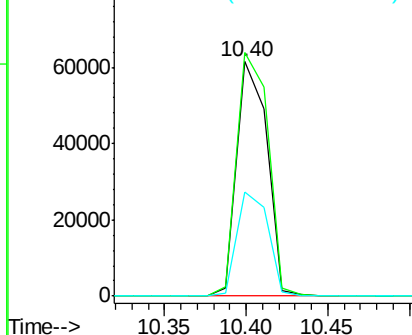


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.40 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	44.3	34.7	52.1



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





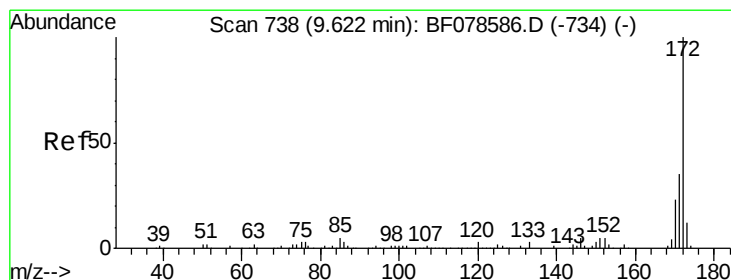
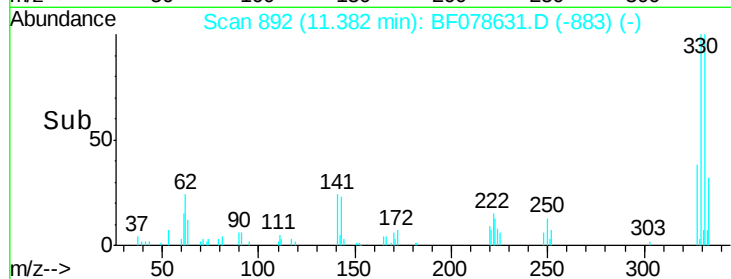
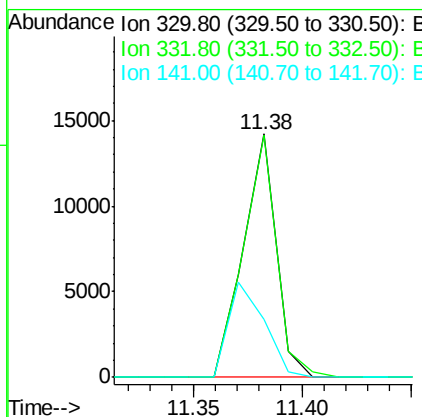
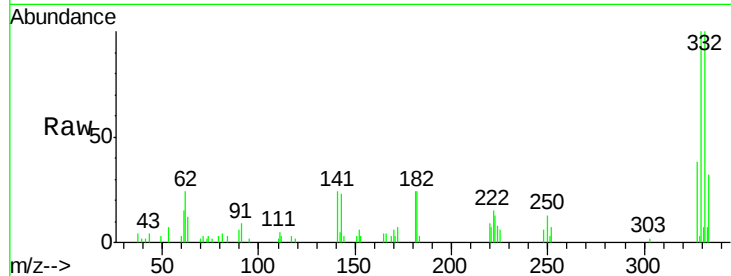
#41
 2,4,6-Tribromophenol
 Concen: 22.91 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.2	78.6	117.8	
141	42.4	31.2	46.8	

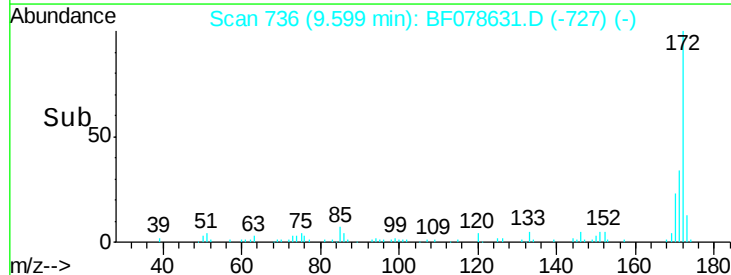
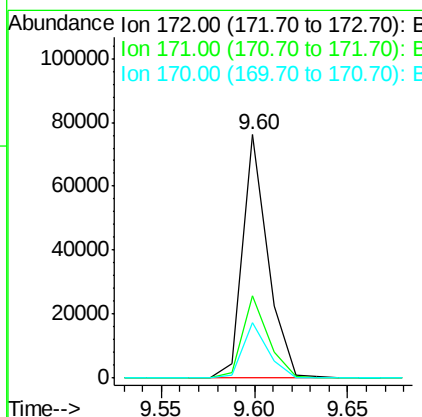
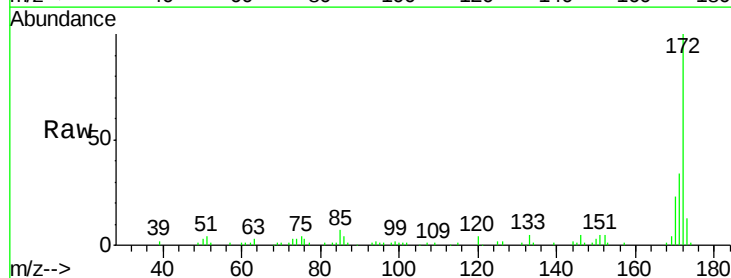
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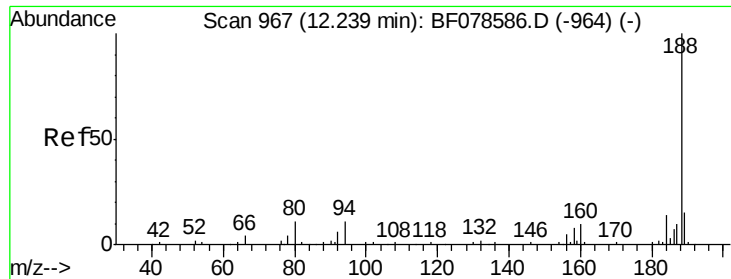
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#44
 2-Fluorobiphenyl
 Concen: 13.06 ng
 RT: 9.60 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.7	28.6	42.8	
170	22.6	18.5	27.7	





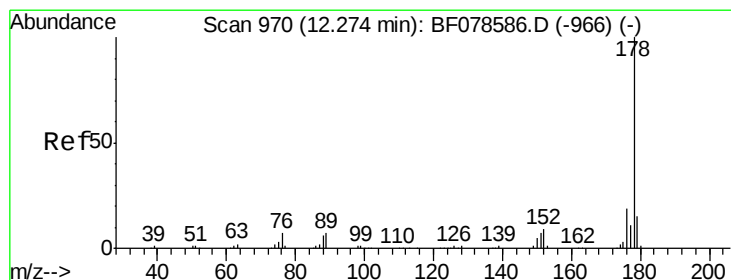
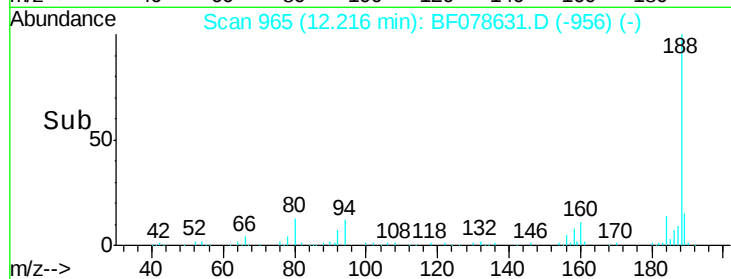
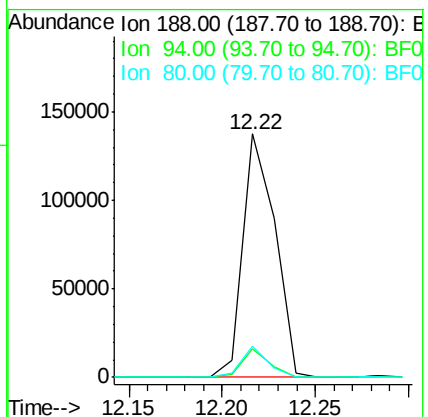
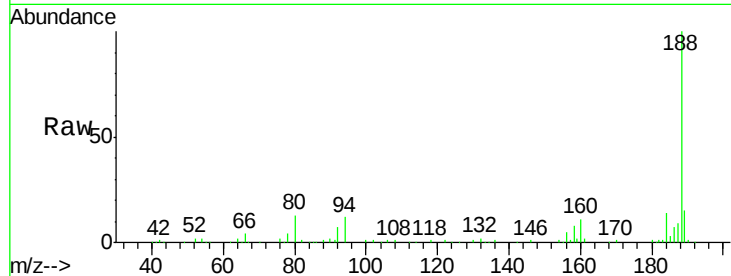
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.6	9.0	13.4
80	12.9	9.5	14.3

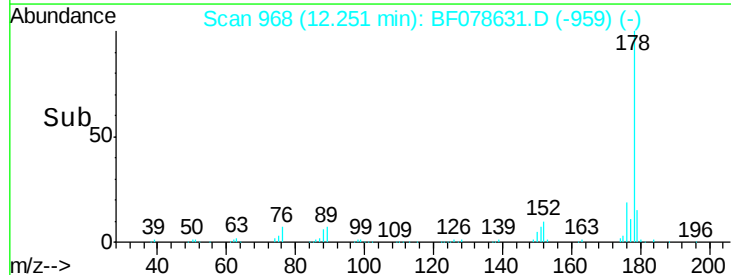
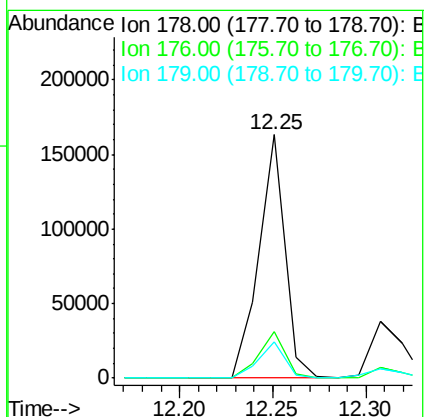
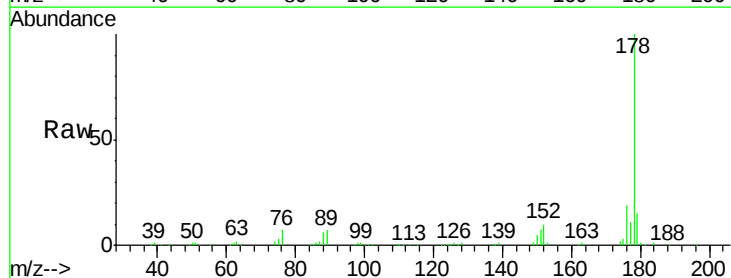
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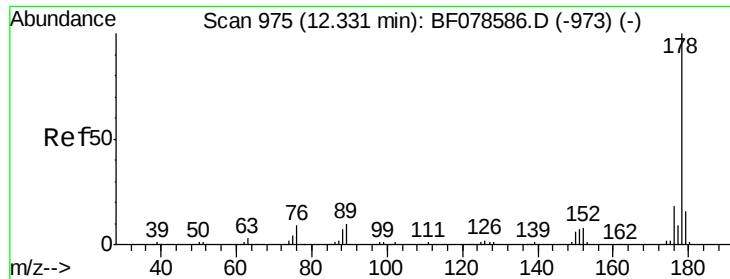
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#70
 Phenanthrene
 Concen: 16.58 ng
 RT: 12.25 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.4	23.0
179	14.8	12.2	18.2





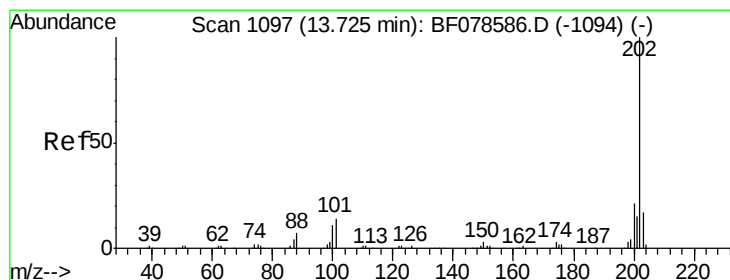
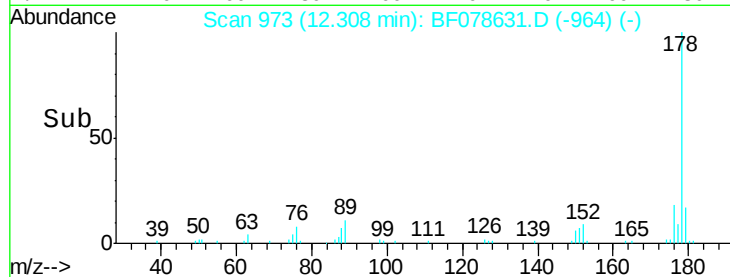
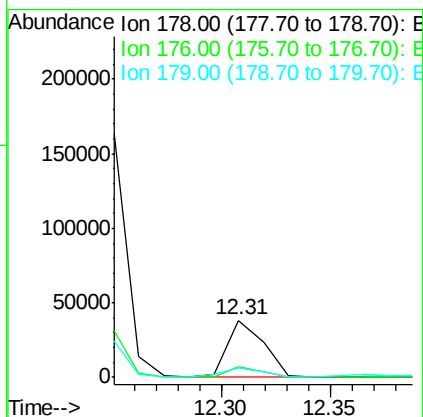
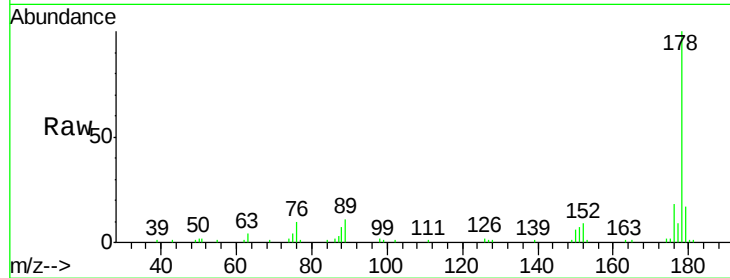
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 Anthracene
 Concen: 4.63 ng
 RT: 12.31 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	16.8	12.4	18.6

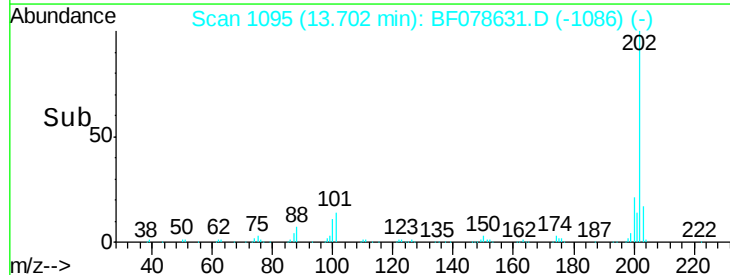
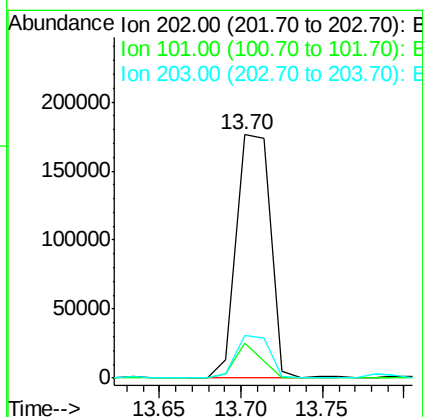
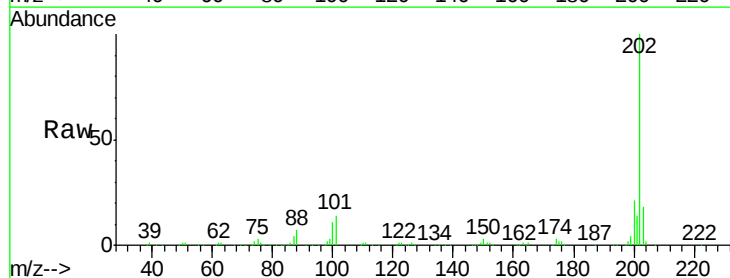
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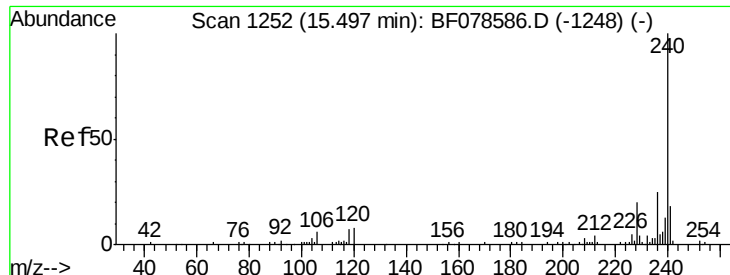
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#74
 Fluoranthene
 Concen: 25.41 ng
 RT: 13.70 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	35.2
203	17.7	0.0	38.5





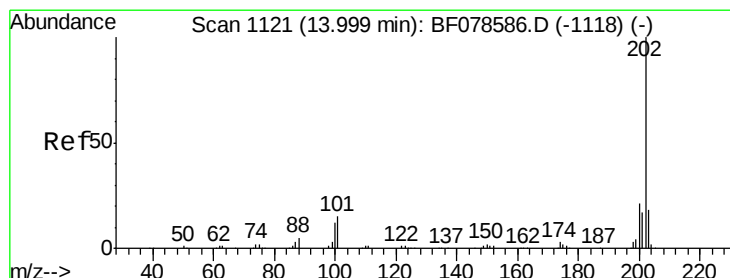
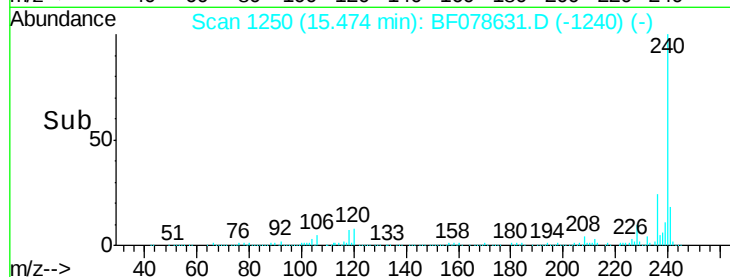
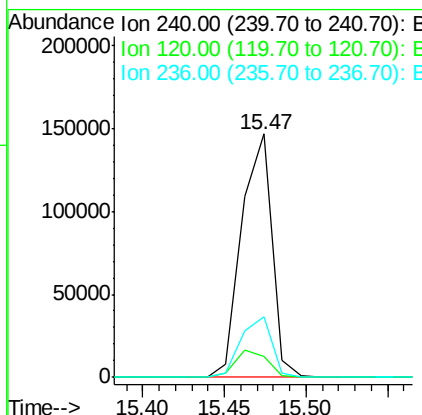
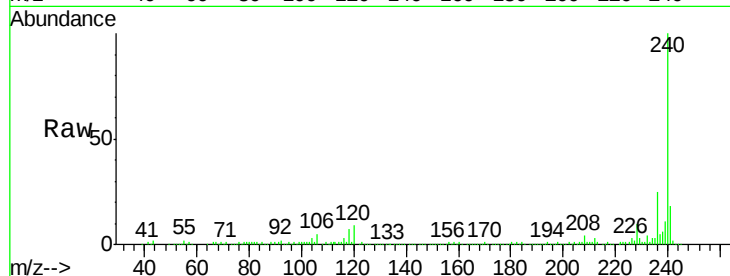
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

Instrument :
BNA_F
ClientSampleId :
CF-NATURES-07

Tot Ion	Ratio	Resp	Lower	Upper
240	100	189726		
120	8.6	7.1	10.7	
236	24.7	21.4	32.2	

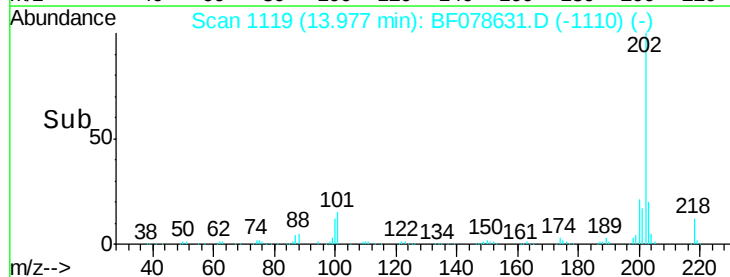
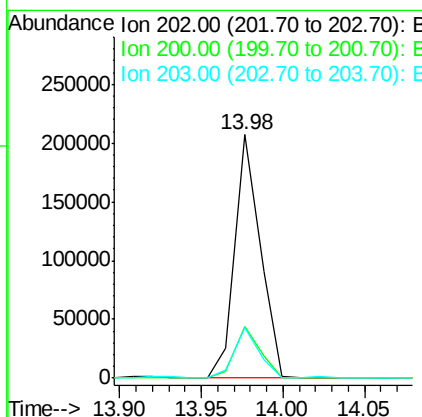
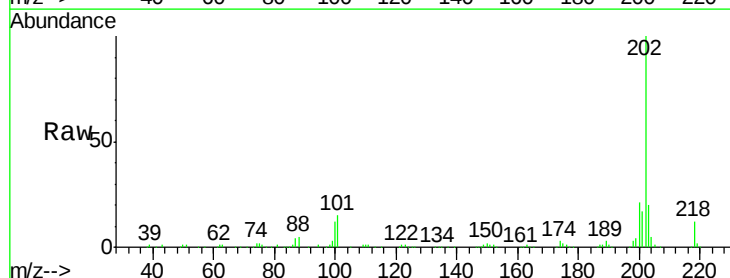
Manual Integrations
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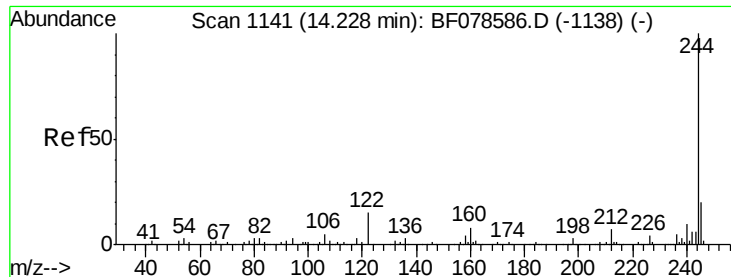
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#77
Pyrene
Concen: 18.71 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	222881		
200	21.3	16.3	24.5	
203	20.4	13.8	20.6	





#78

Terphenyl-d14

Concen: 11.08 ng

RT: 14.21 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

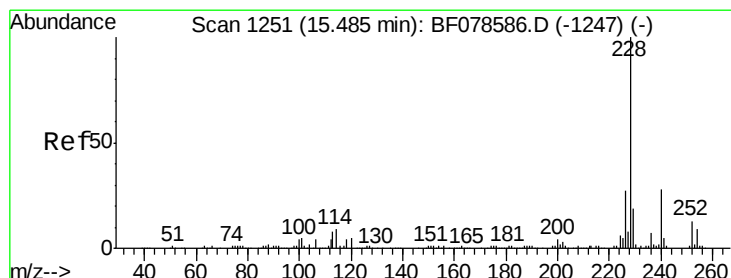
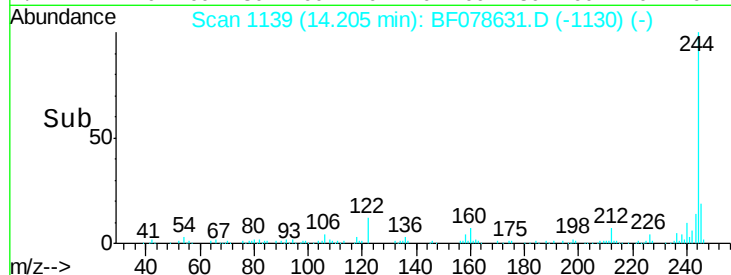
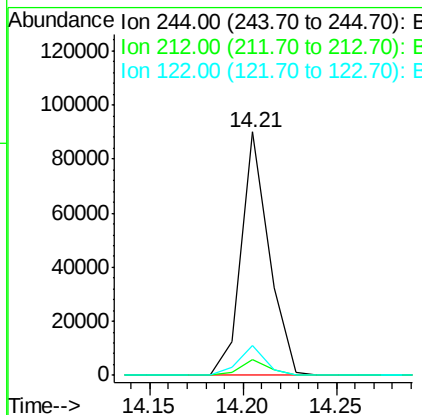
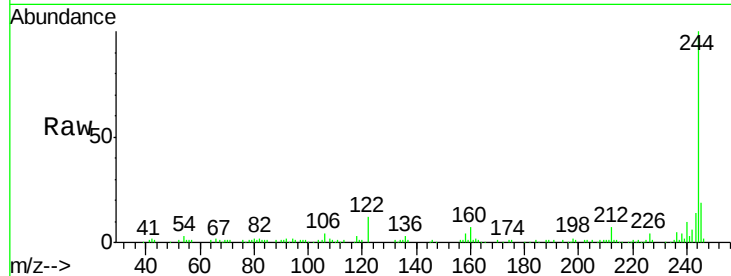
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.4
122	12.1	7.1	10.7

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#80

Benzo(a)anthracene

Concen: 12.00 ng

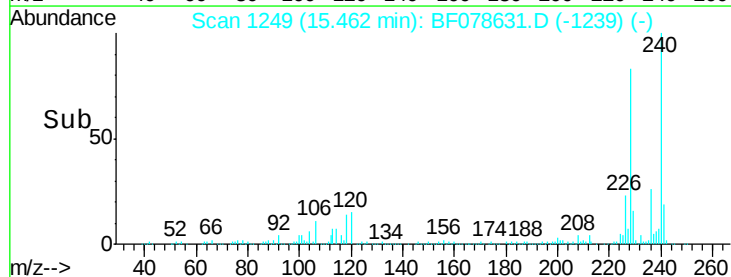
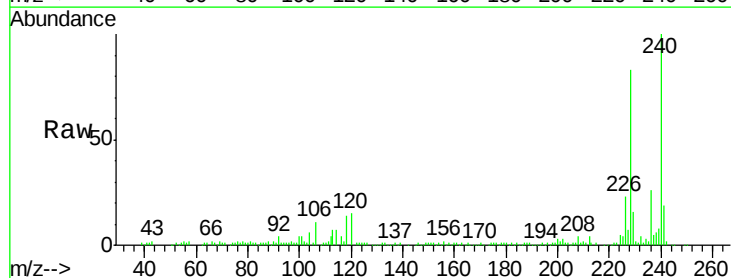
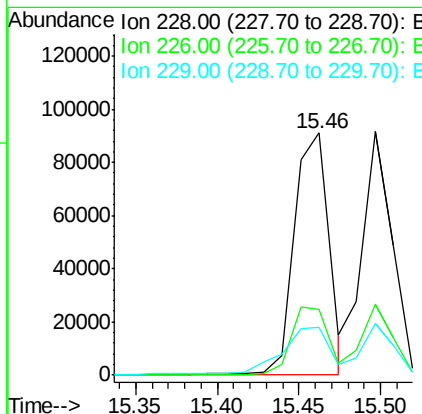
RT: 15.46 min Scan# 1249

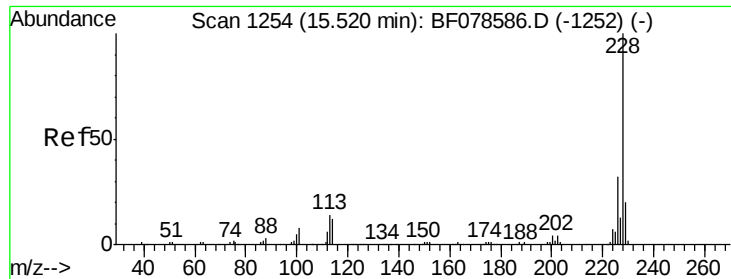
Delta R.T. 0.01 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.3	31.9
229	19.5	15.4	23.2





#82

Chrysene

Concen: 11.03 ng

RT: 15.50 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

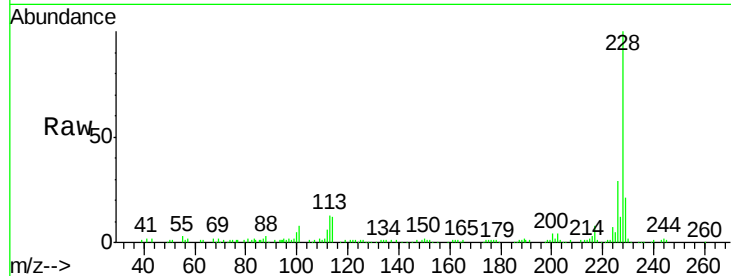
ClientSampleId :

CF-NATURES-07

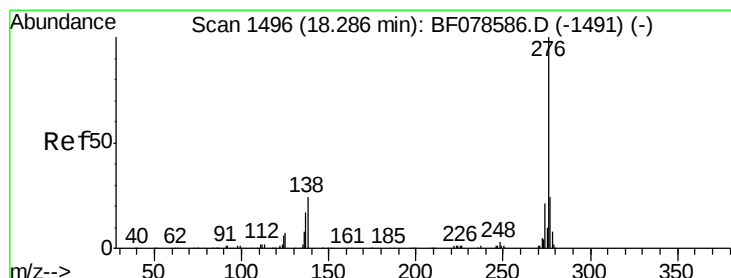
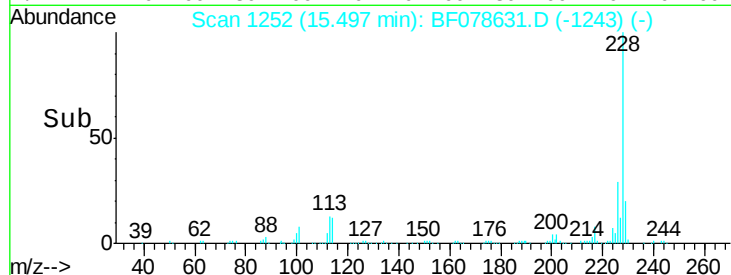
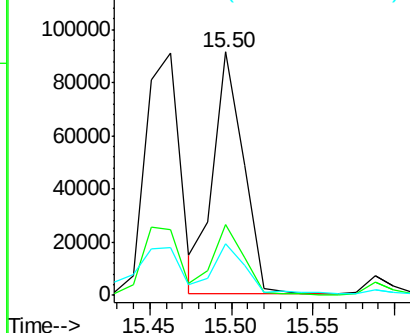
Tot Ion:	228	Resp:	116957
Ion Ratio		Lower	Upper
228	100		
226	29.1	24.2	36.4
229	21.0	15.8	23.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.91 ng

RT: 18.38 min Scan# 1504

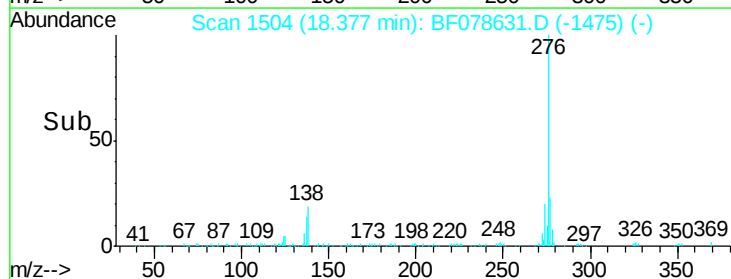
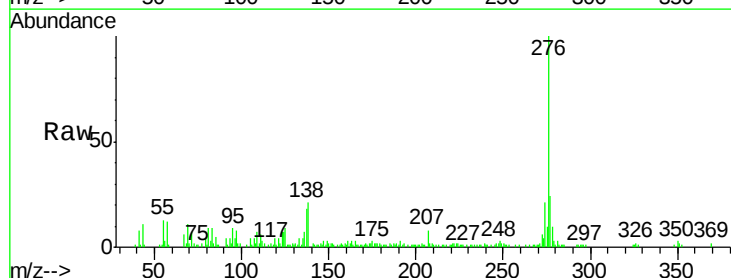
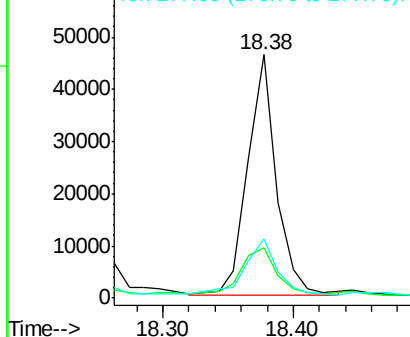
Delta R.T. 0.03 min

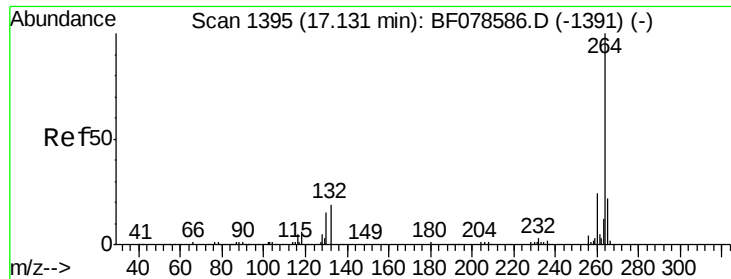
Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Tgt Ion:	276	Resp:	71172
Ion Ratio		Lower	Upper
276	100		
138	23.8	16.9	25.3
277	26.0	15.8	23.6#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





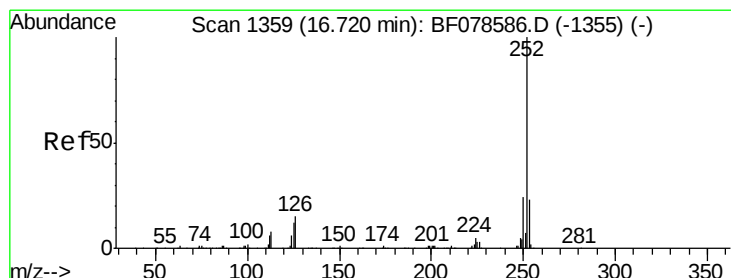
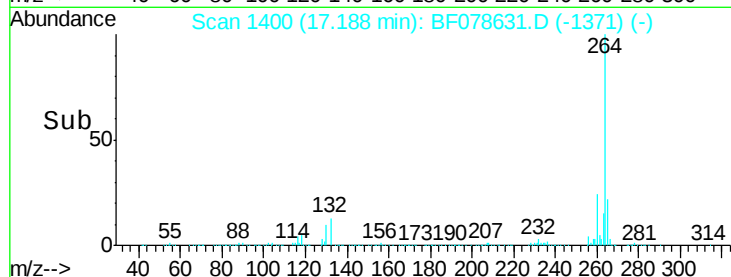
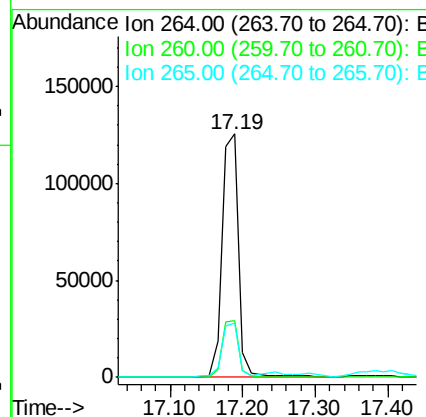
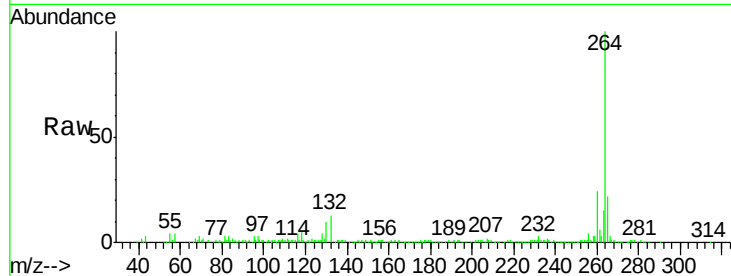
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.19 min Scan# 1400
Delta R.T. 0.03 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

Instrument :
BNA_F
ClientSampleId :
CF-NATURES-07

Tot Ion	Ratio	Resp	Lower	Upper
264	100	196371		
260	23.6	18.6	27.8	
265	22.0	17.0	25.6	

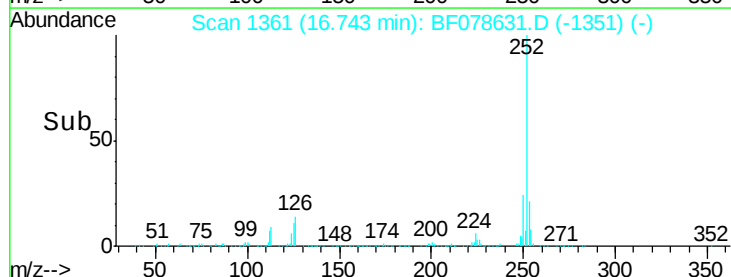
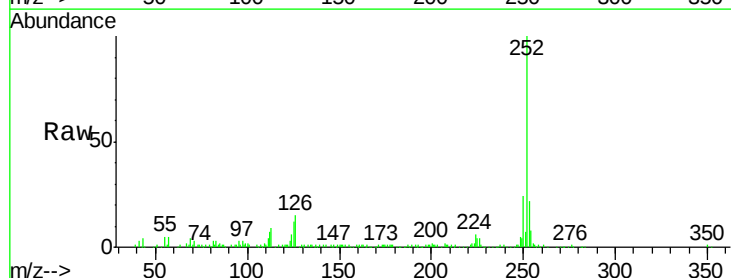
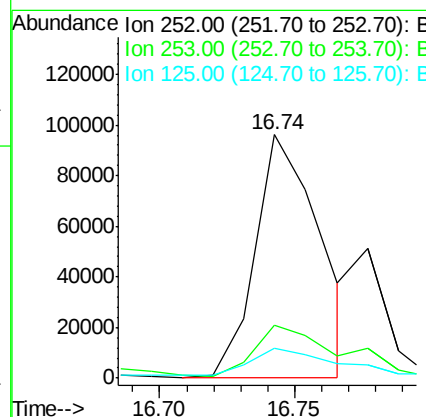
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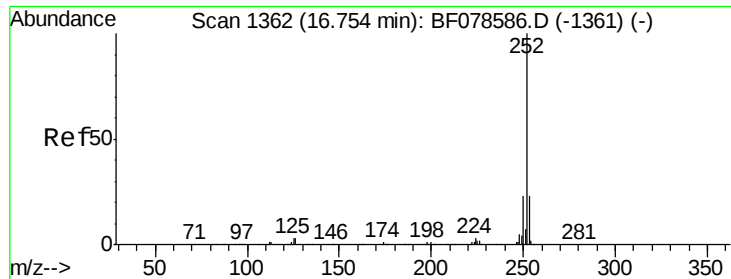
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#87
Benzo(b)fluoranthene
Concen: 13.15 ng m
RT: 16.74 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	159583		
253	21.6	17.2	25.8	
125	12.1	7.0	10.4	





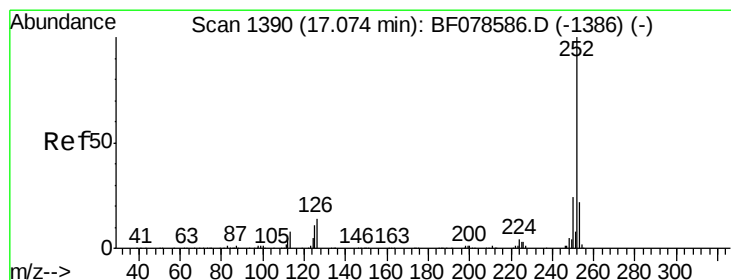
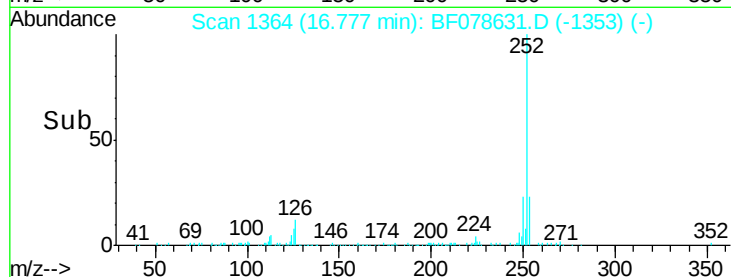
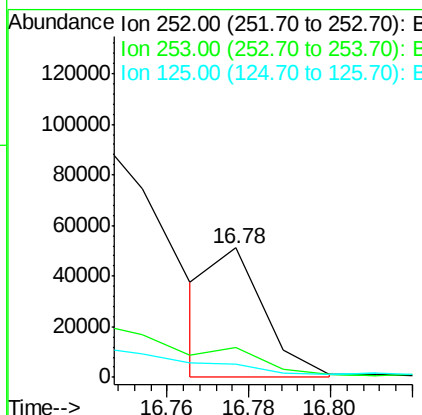
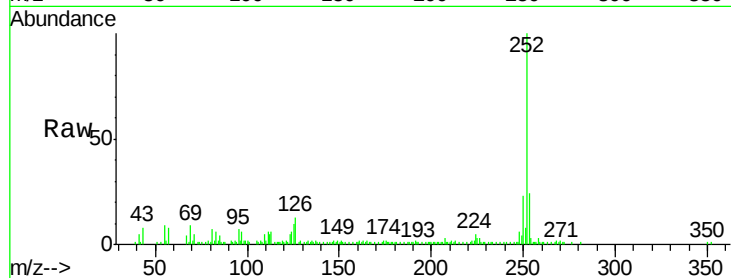
#88
Benzo(k)fluoranthene
Concen: 4.02 ng m
RT: 16.78 min Scan# 1364
Delta R.T. 0.02 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

Instrument :
BNA_F
ClientSampleId :
CF-NATURES-07

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.5	11.6	17.4

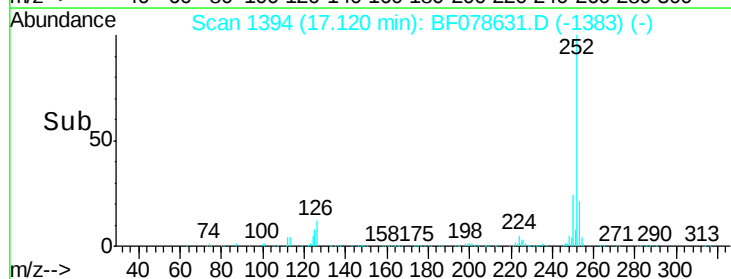
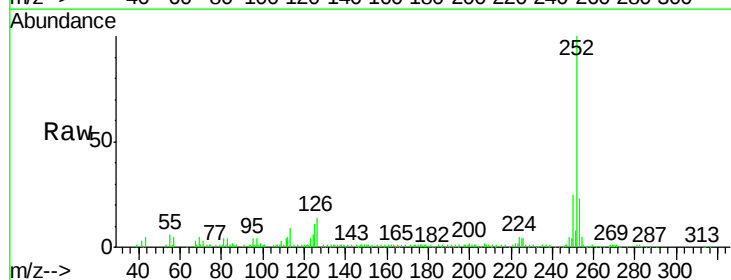
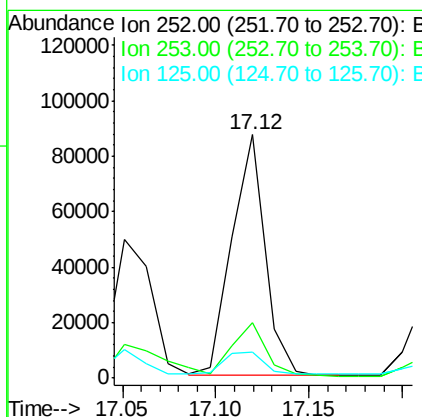
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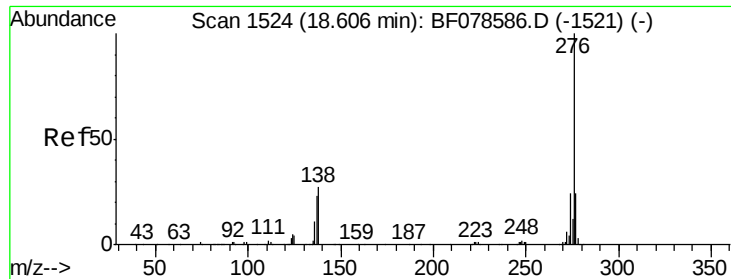
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#89
Benzo(a)pyrene
Concen: 10.22 ng
RT: 17.12 min Scan# 1394
Delta R.T. 0.02 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.8	25.2
125	10.8	7.4	11.0





#91

Benzo(a,h,i)perylene

Concen: 6.05 ng

RT: 18.70 min Scan# 1532

Delta R.T. 0.03 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

ClientSampleId :

CF-NATURES-07

Tot Ion:	276	Resp:	64304
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.4
138	24.9	19.9	29.9

Manual Integrations
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