

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
 Data File : BF102611.D
 Acq On : 29 Jan 2018 21:44
 Operator : SJ/JU
 Sample : J1353-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(5-10)

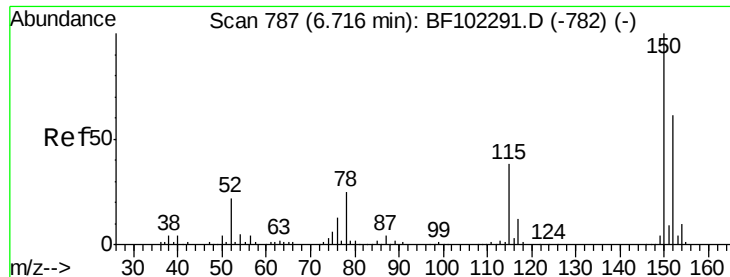
Manual Integrations
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 1/30/2018 3:38:20 PM

Quant Time: Jan 30 02:31:24 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	168424	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	702261	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	308681	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	468548	20.00	ng	0.00
75) Chrysene-d12	13.88	240	321267	20.00	ng	0.00
86) Perylene-d12	15.31	264	322107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1134307	102.12	ng	0.00
7) Phenol-d6	6.36	99	1321516	98.68	ng	0.00
23) Nitrobenzene-d5	7.28	82	827094	67.68	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	227534	74.39	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1208378	57.56	ng	0.00
78) Terphenyl-d14	12.82	244	828782	58.16	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.61	152	113281	3.389	ng	98
49) Dimethylphthalate	9.47	163	150894	5.914	ng	99
70) Phenanthrene	11.26	178	386553	14.158	ng	98
71) Anthracene	11.31	178	97497	3.499	ng	97
74) Fluoranthene	12.45	202	629557	22.611	ng	99
77) Pyrene	12.68	202	578002	23.270	ng	99
80) Benzo(a)anthracene	13.87	228	298404m	15.087	ng	
82) Chrysene	13.90	228	312615	15.564	ng	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	176182	10.621	ng	95
87) Benzo(b)fluoranthene	14.90	252	367646m	17.610	ng	
88) Benzo(k)fluoranthene	14.92	252	140930m	7.145	ng	
89) Benzo(a)pyrene	15.25	252	271536	14.421	ng	# 94
90) Dibenzo(a,h)anthracene	16.72	278	46428	3.044	ng	# 77
91) Benzo(g,h,i)perylene	17.14	276	170152	11.298	ng	92

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



#1

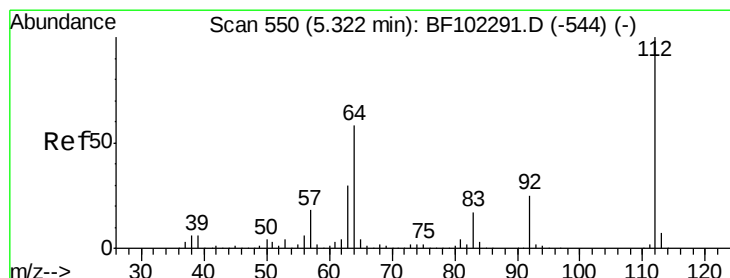
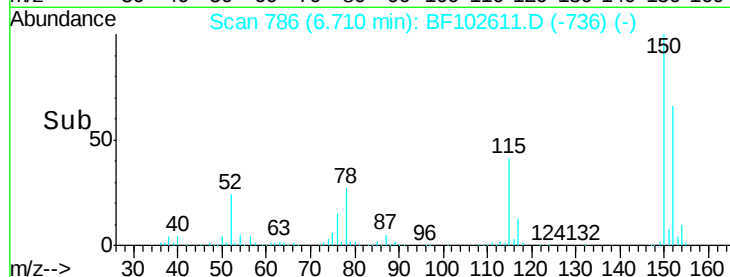
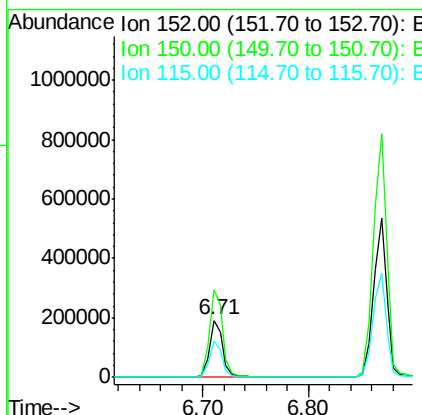
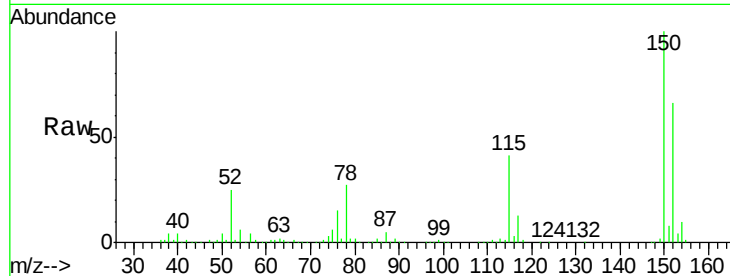
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(5-10)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	63.1	50.1	75.1

Manual Integrations
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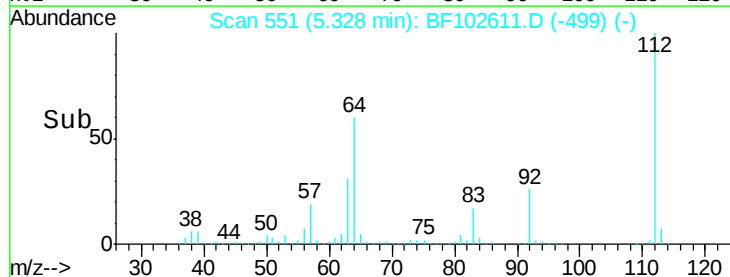
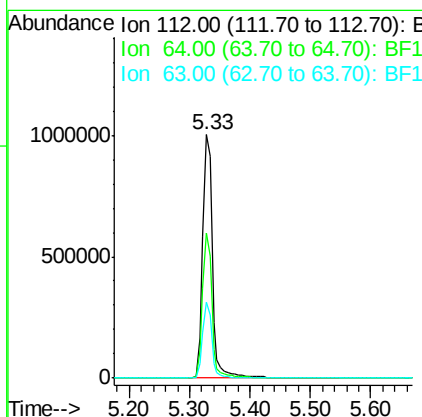
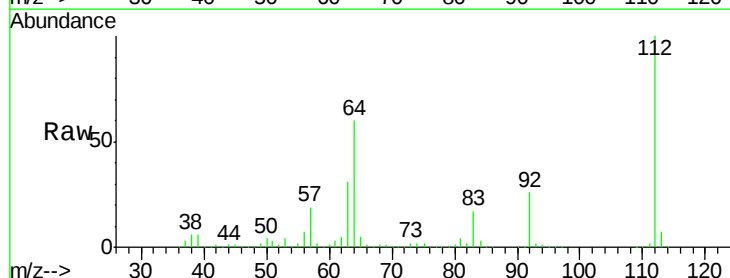
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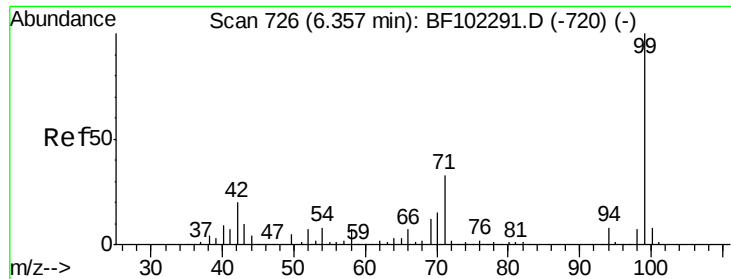


#5

2-Fluorophenol
Concen: 102.118 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 98.683 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102611.D

Acq: 29 Jan 2018 21:44

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(5-10)

Tgt Ion: 99 Resp: 1321516

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

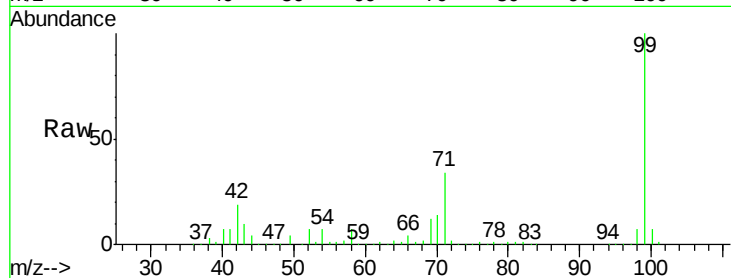
71 33.7 25.4 38.0

Manual Integrations

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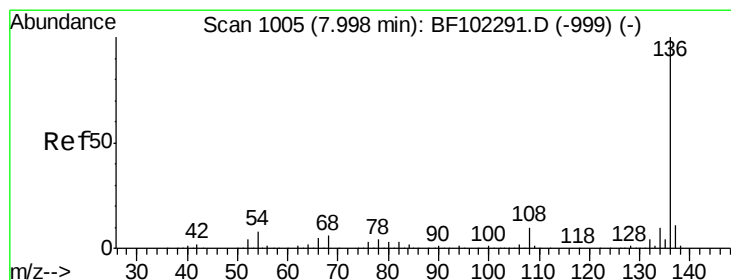
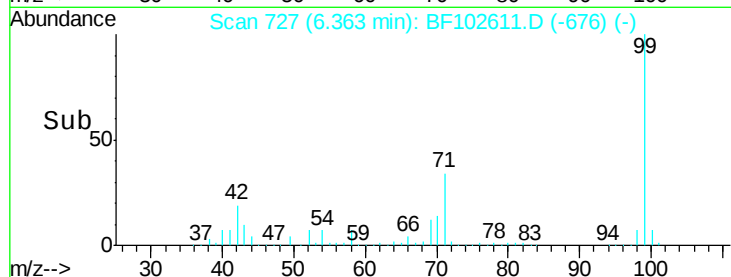
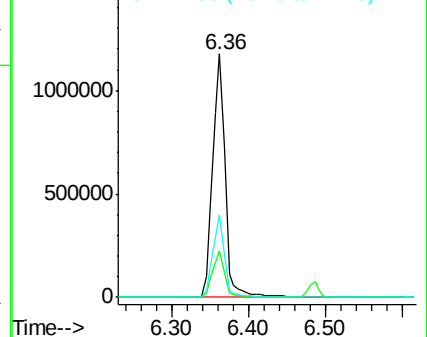
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102611.D

Acq: 29 Jan 2018 21:44

Tgt Ion: 136 Resp: 702261

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.5 6.6 9.8

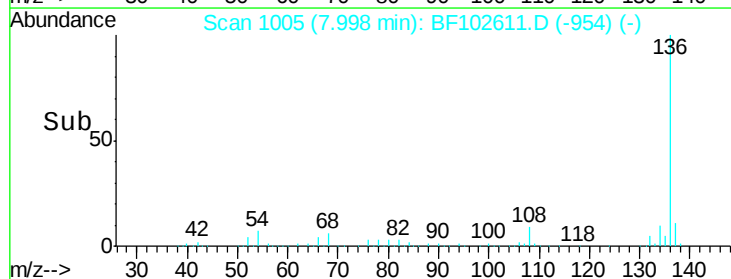
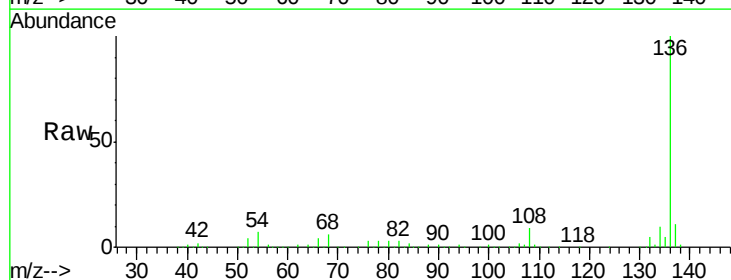
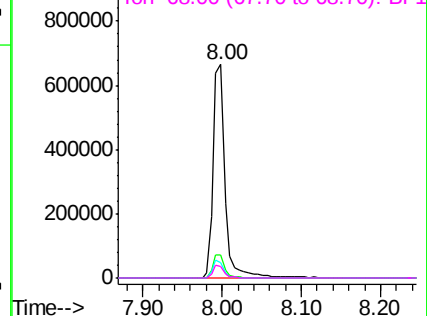
68 5.5 5.0 7.4

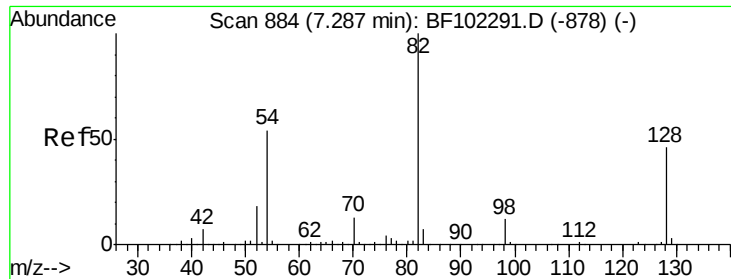
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





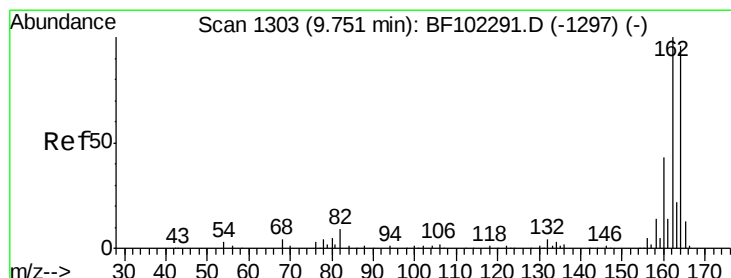
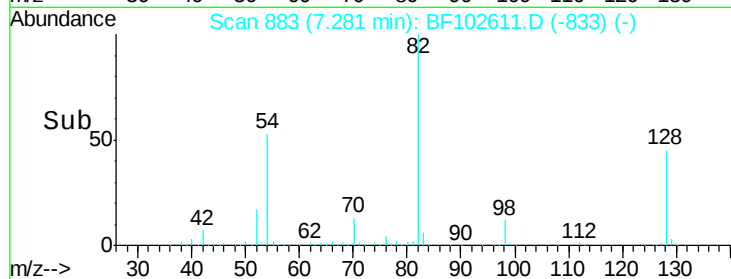
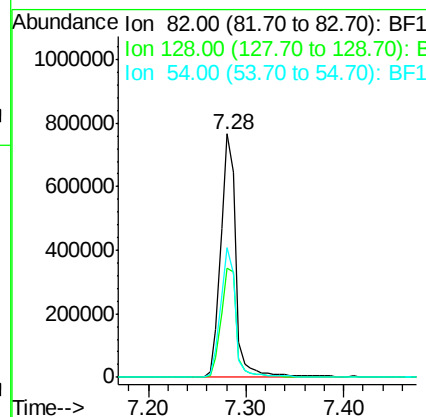
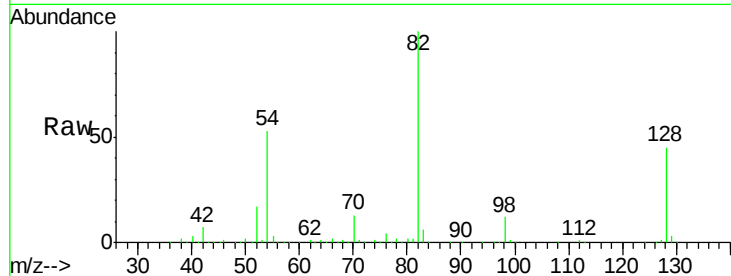
#23
 Nitrobenzene-d5
 Concen: 67.682 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102611.D
 Acq: 29 Jan 2018 21:44

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(5-10)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	53.4	41.4	62.2

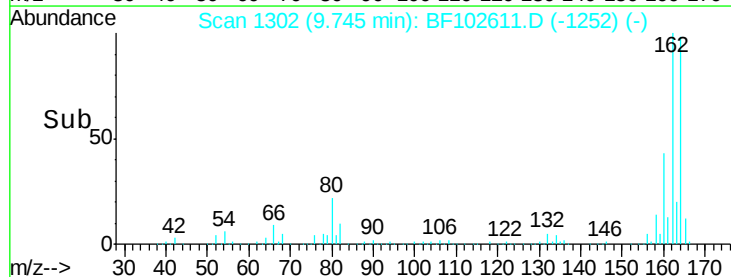
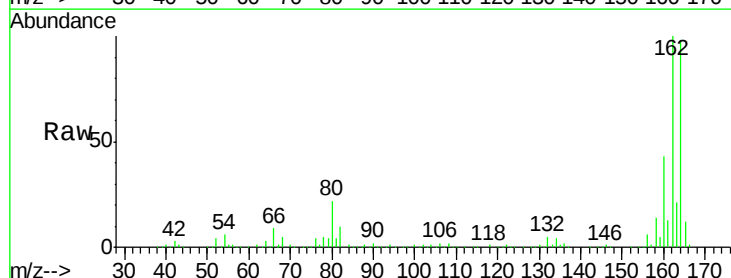
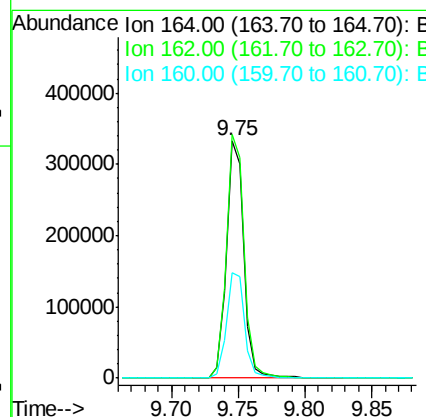
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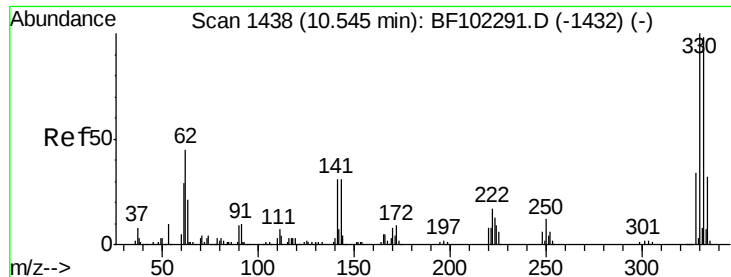
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102611.D
 Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	44.2	38.3	57.5





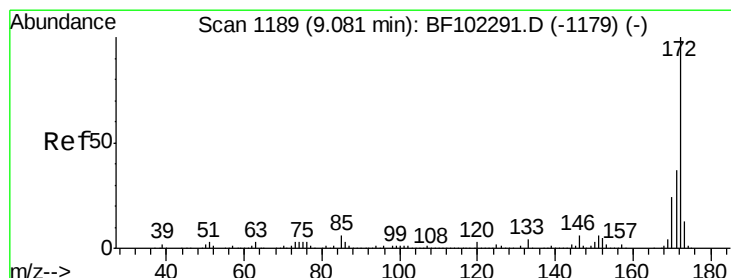
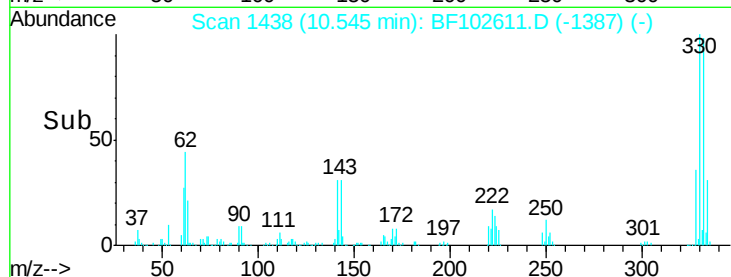
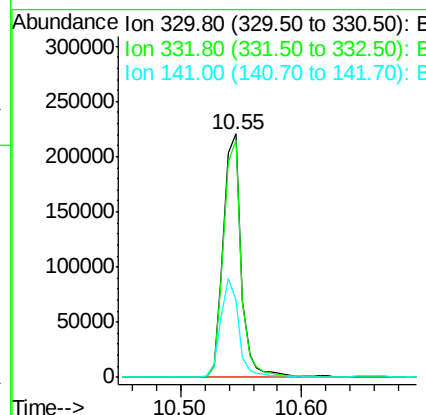
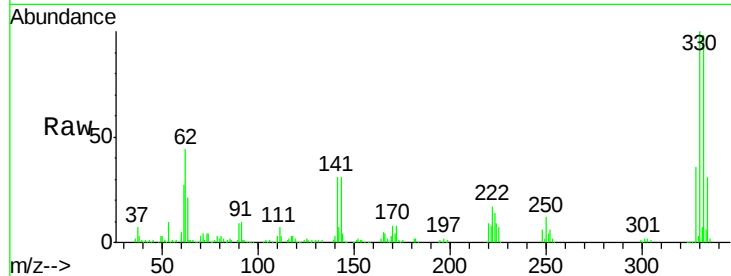
#41
 2,4,6-Tribromophenol
 Concen: 74.392 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102611.D
 Acq: 29 Jan 2018 21:44

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(5-10)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	227534		
332	97.1	77.0	115.6	
141	41.4	29.9	44.9	

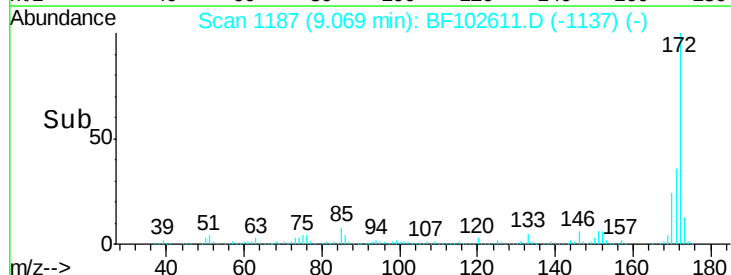
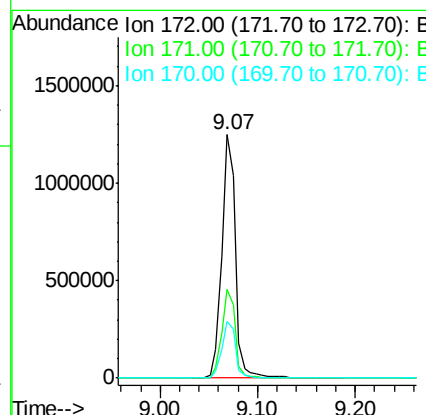
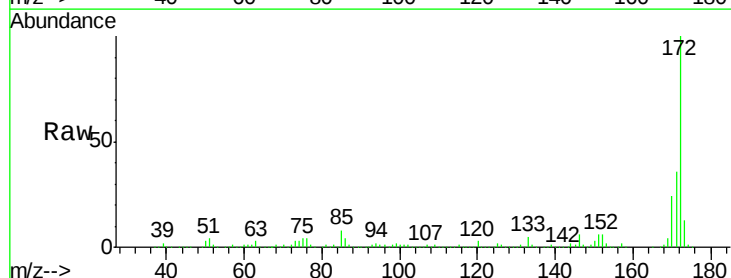
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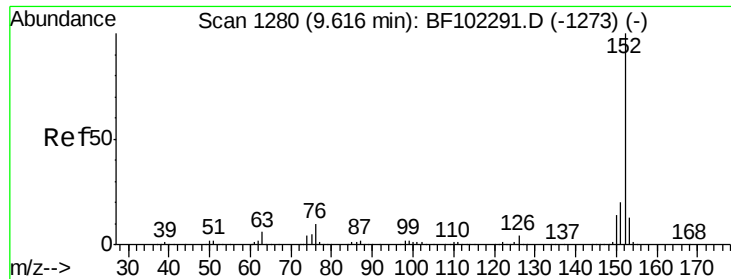
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#44
 2-Fluorobiphenyl
 Concen: 57.559 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102611.D
 Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1208378		
171	36.3	29.7	44.5	
170	23.6	19.6	29.4	





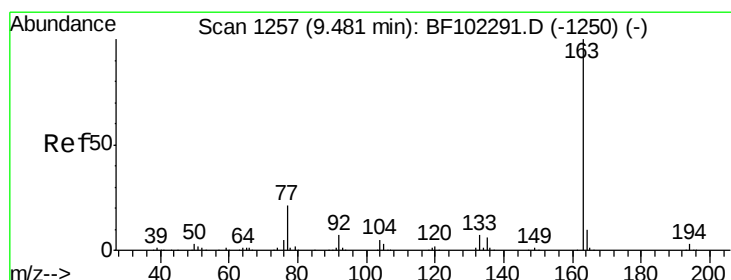
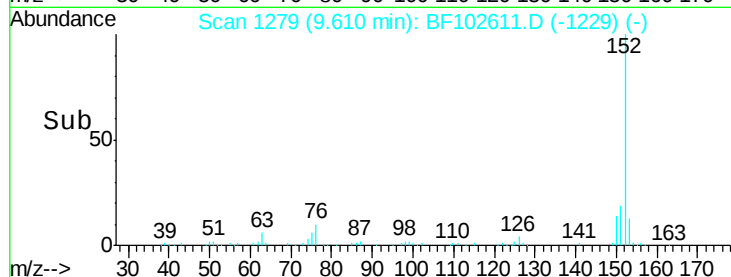
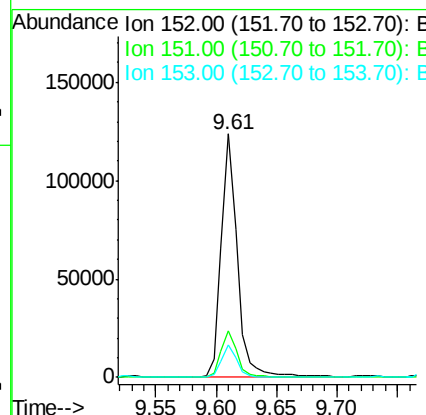
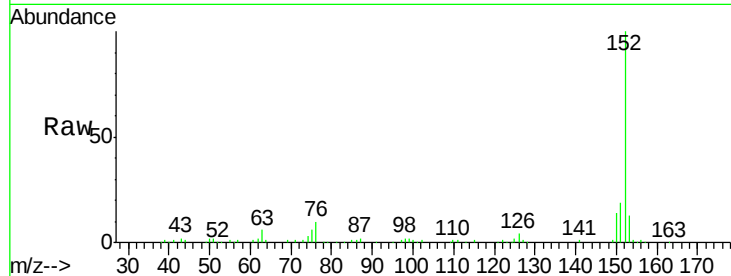
#48
Acenaphthylene
Concen: 3.389 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(5-10)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	113281		
151	19.1	16.3	24.5	
153	13.3	10.7	16.1	

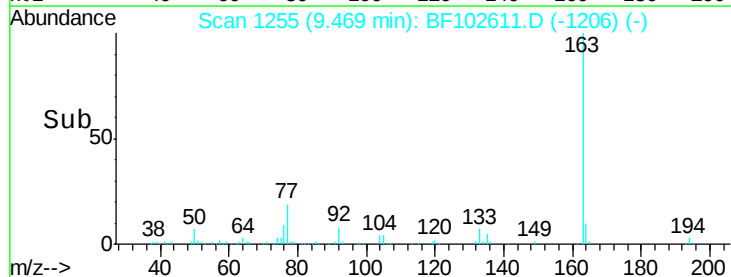
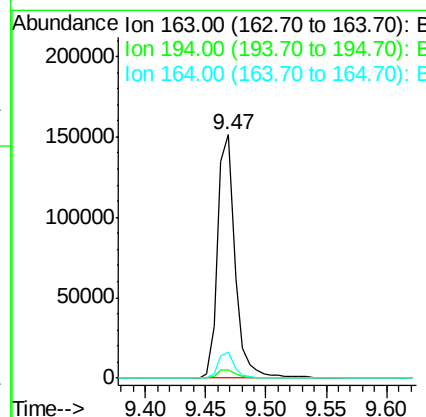
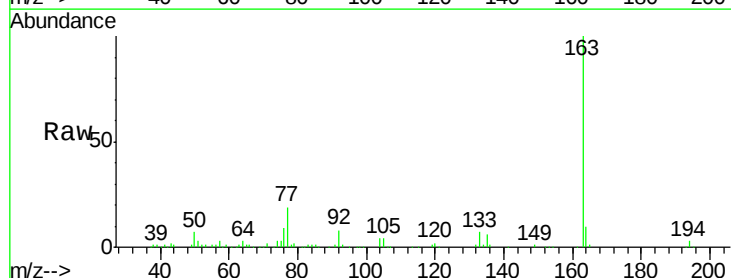
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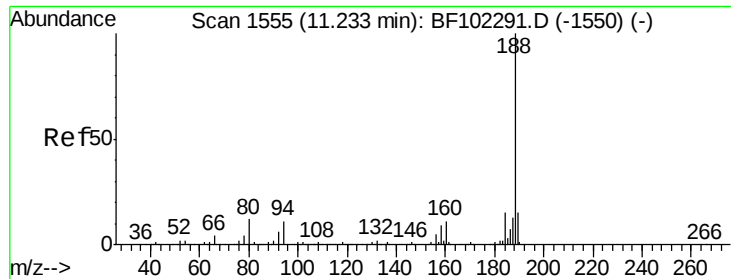
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#49
Dimethylphthalate
Concen: 5.914 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	150894		
194	3.3	2.7	4.1	
164	10.5	8.2	12.2	





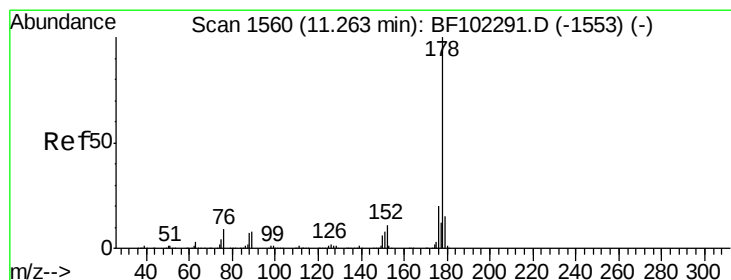
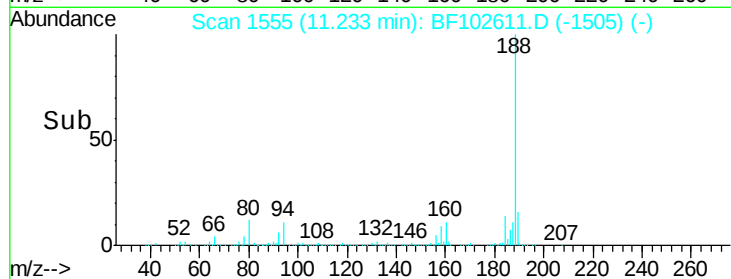
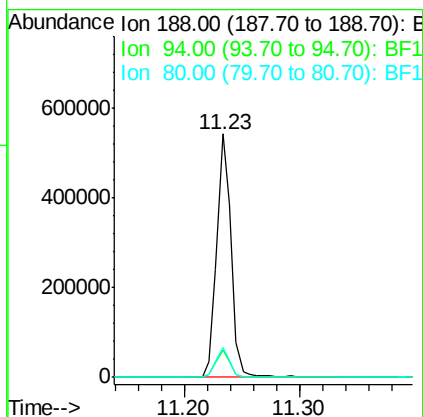
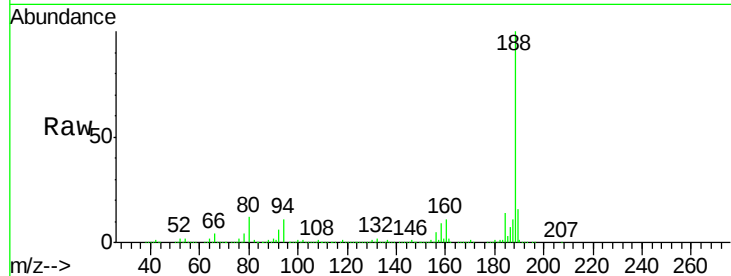
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(5-10)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	8.5	12.7
80	12.2	9.2	13.8

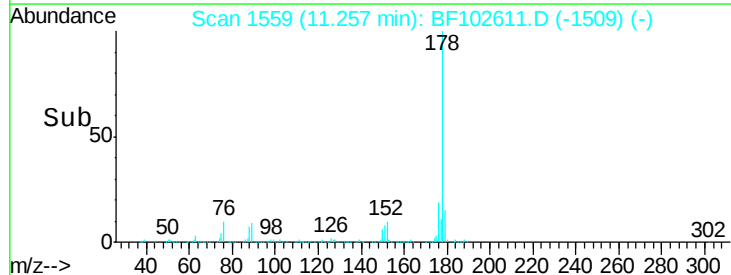
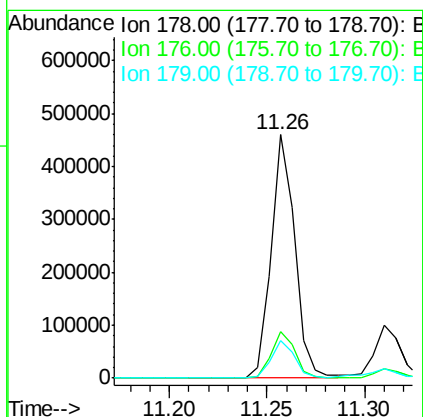
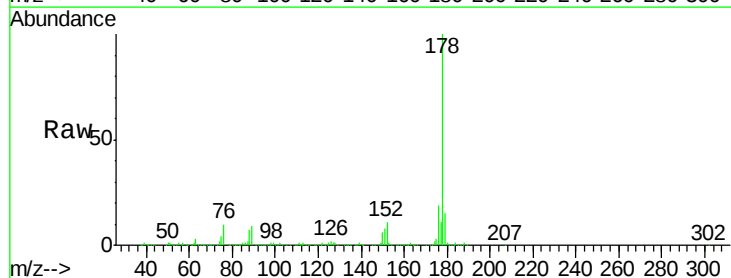
Manual Integrations
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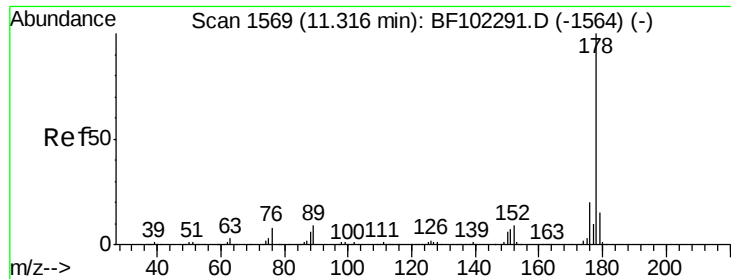
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#70
Phenanthrene
Concen: 14.158 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6





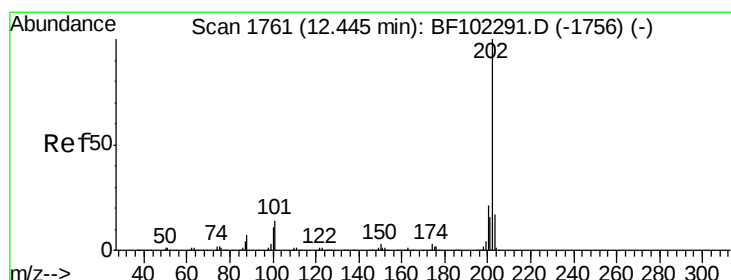
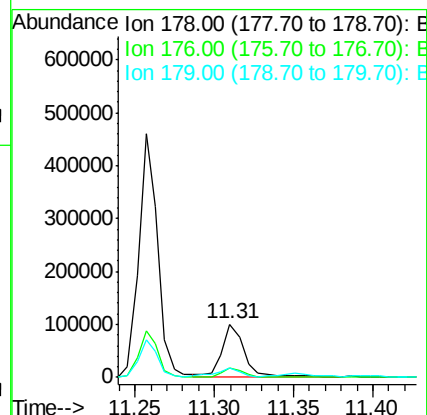
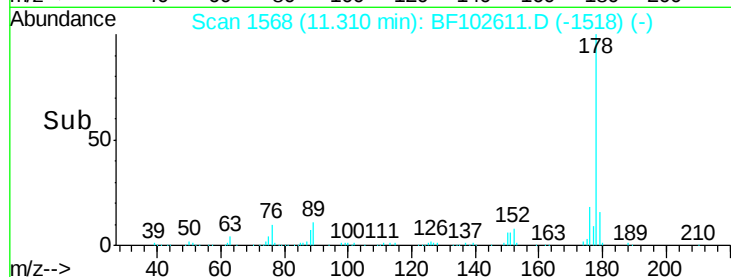
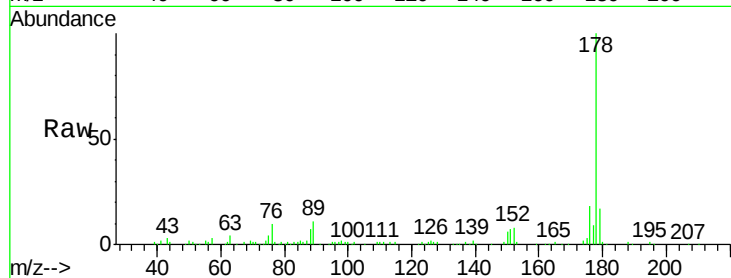
#71
 Anthracene
 Concen: 3.499 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102611.D
 Acq: 29 Jan 2018 21:44

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(5-10)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.6	12.6	19.0

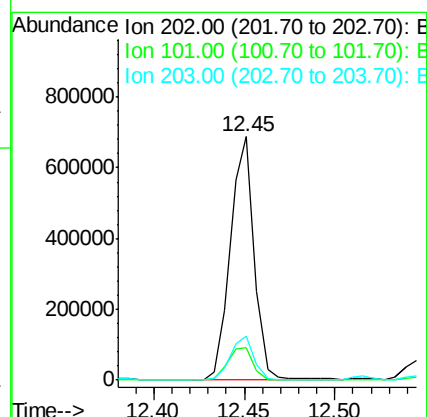
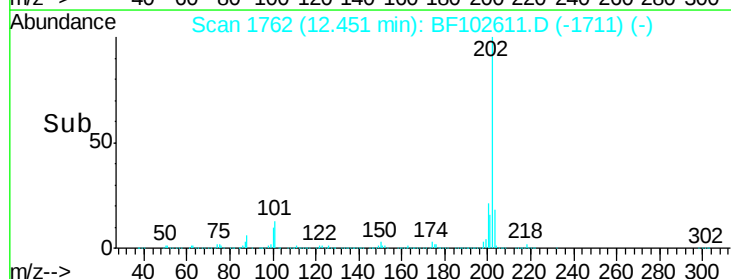
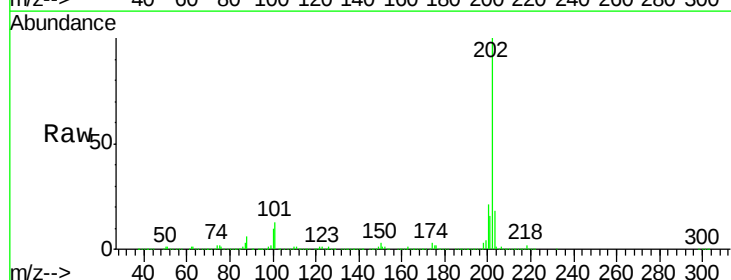
Manual Integrations
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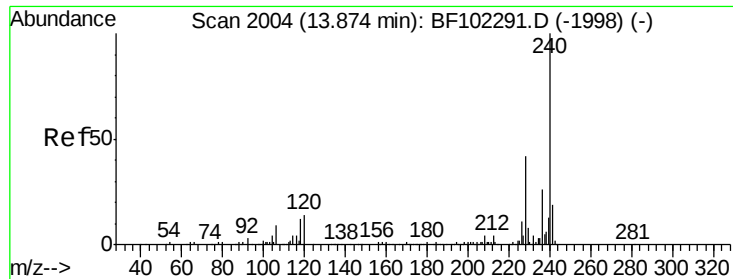
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#74
 Fluoranthene
 Concen: 22.611 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102611.D
 Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.1
203	18.2	0.0	38.1





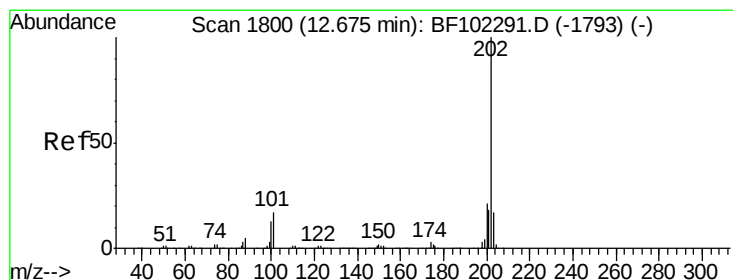
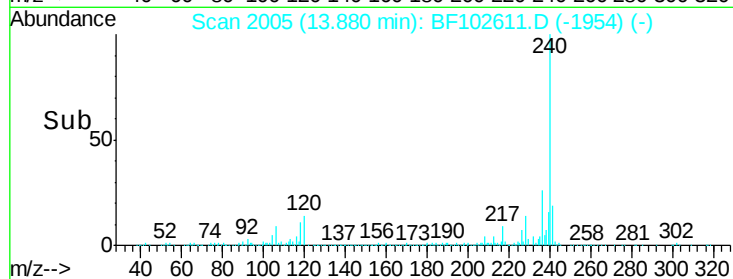
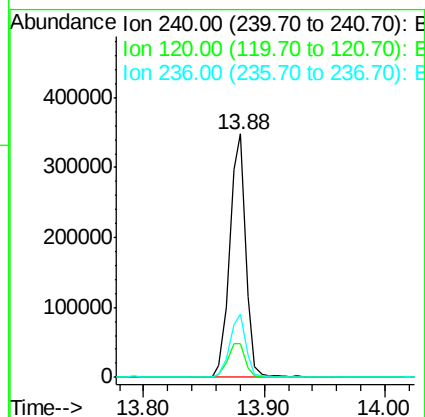
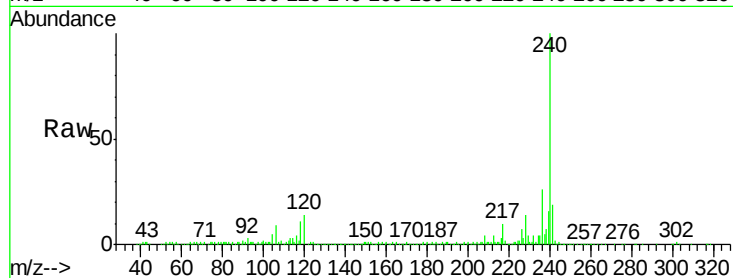
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(5-10)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	321267		
120	13.7	9.5	14.3	
236	25.9	20.7	31.1	

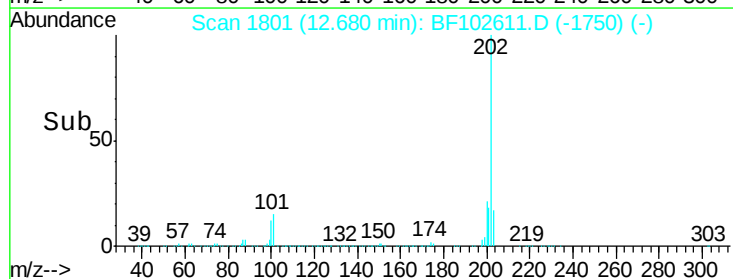
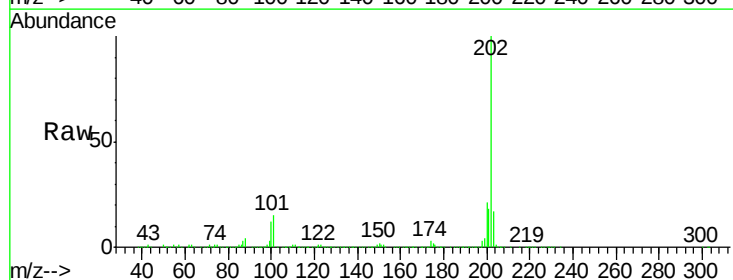
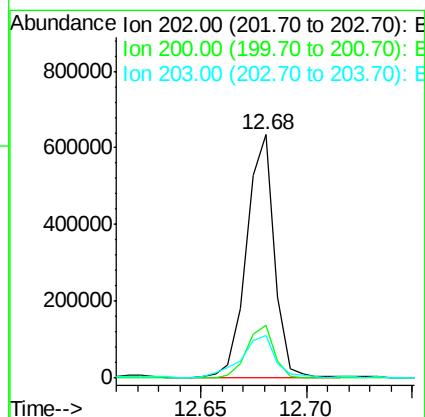
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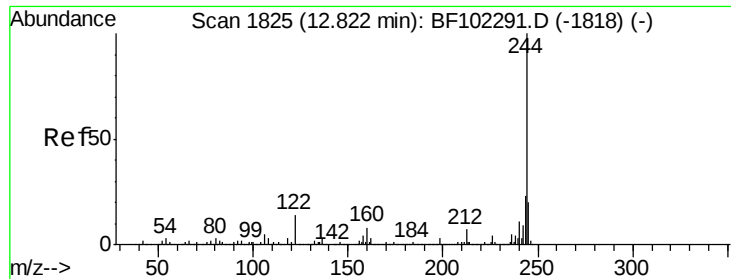
Sohil
1/30/2018 3:38:20 PM



#77
Pyrene
Concen: 23.270 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	578002		
200	21.5	17.4	26.2	
203	17.3	14.3	21.5	





#78

Terphenyl-d14

Concen: 58.156 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102611.D

Acq: 29 Jan 2018 21:44

Instrument :

BNA_F

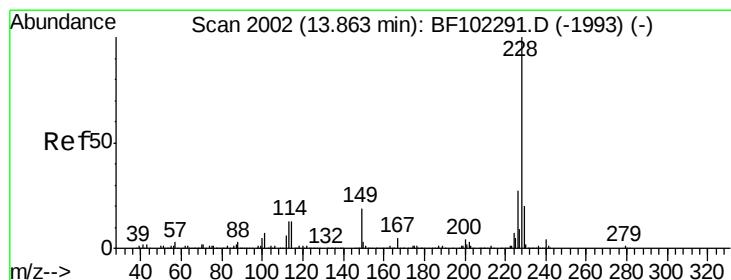
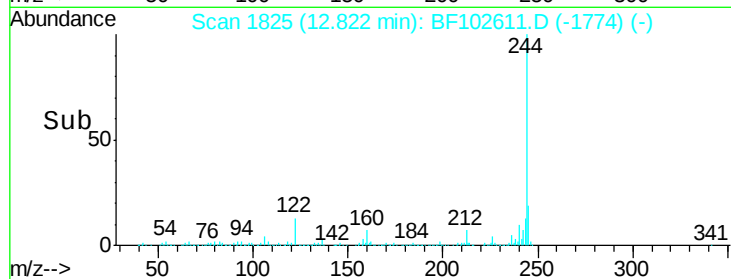
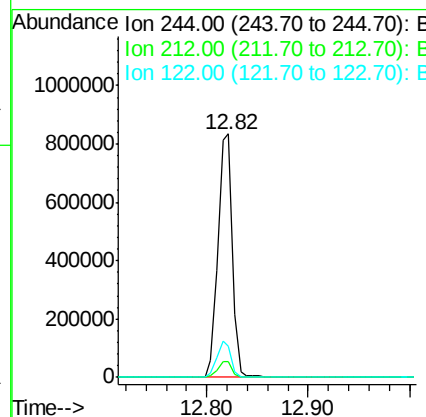
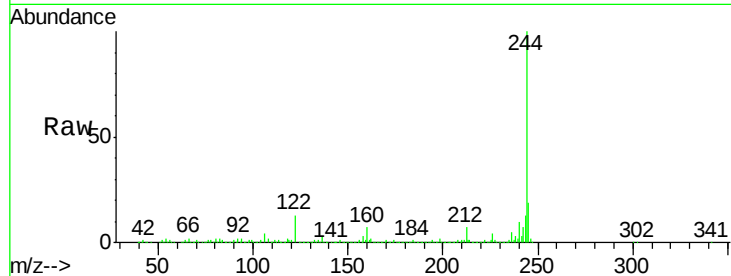
ClientSampleId :

EPE-106-5(5-10)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 15.087 ng m

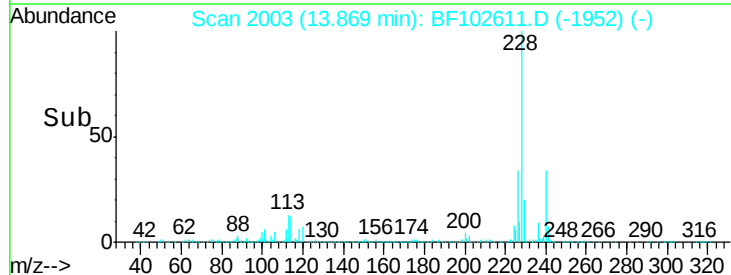
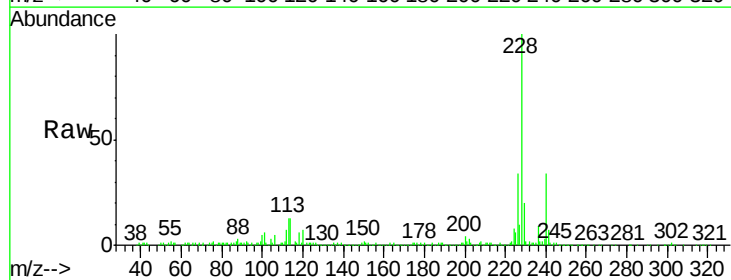
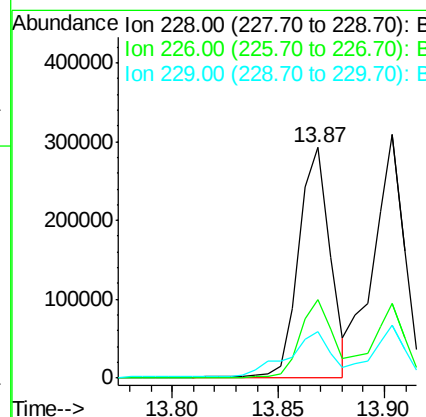
RT: 13.87 min Scan# 2003

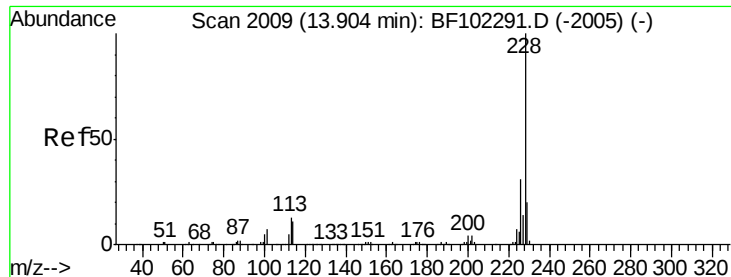
Delta R.T. 0.00 min

Lab File: BF102611.D

Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.6	33.8#
229	20.3	15.8	23.6





#82

Chrysene

Concen: 15.564 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102611.D

Acq: 29 Jan 2018 21:44

Instrument :

BNA_F

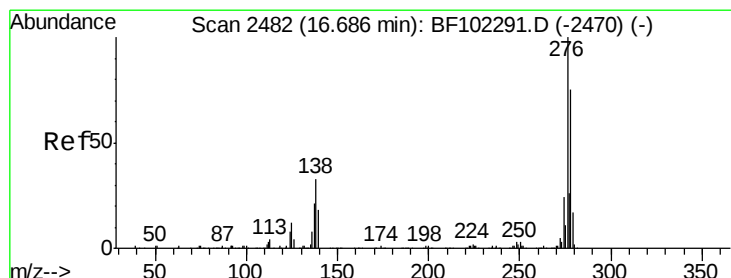
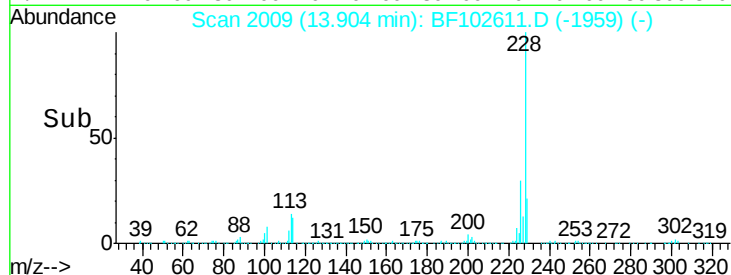
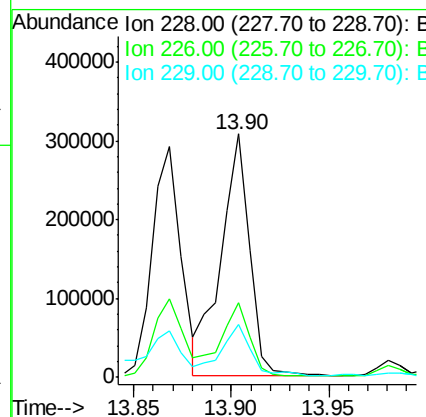
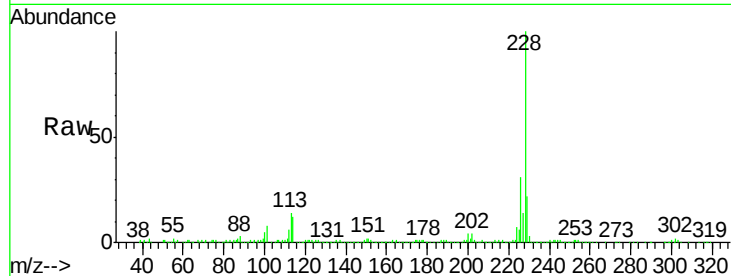
ClientSampleId :

EPE-106-5(5-10)

Tgt Ion:	228	Resp:	312615
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	21.7	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.621 ng

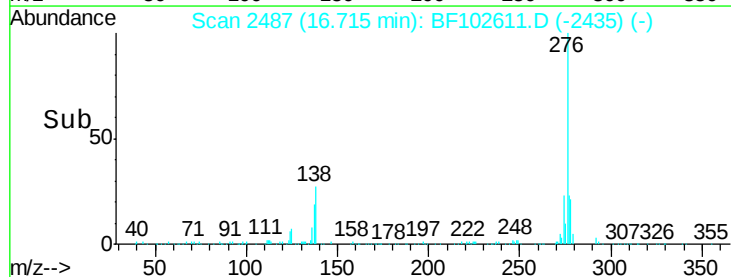
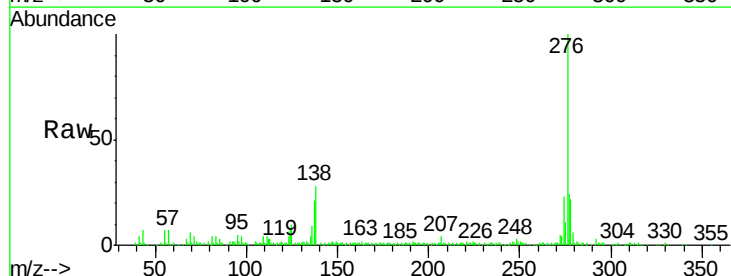
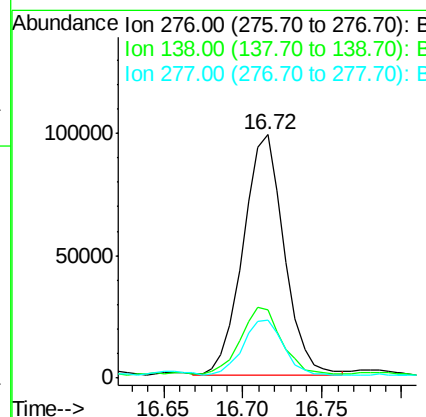
RT: 16.72 min Scan# 2487

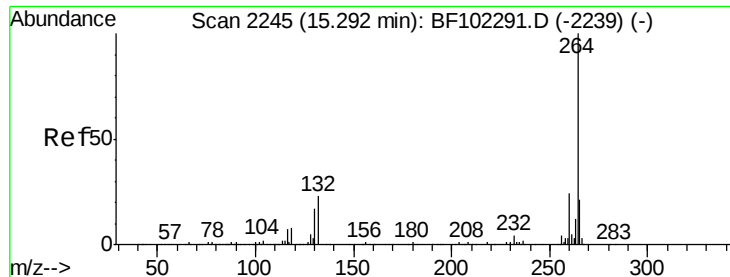
Delta R.T. 0.01 min

Lab File: BF102611.D

Acq: 29 Jan 2018 21:44

Tgt Ion:	276	Resp:	176182
Ion Ratio	Lower	Upper	
276	100		
138	28.3	25.0	37.6
277	23.3	20.1	30.1





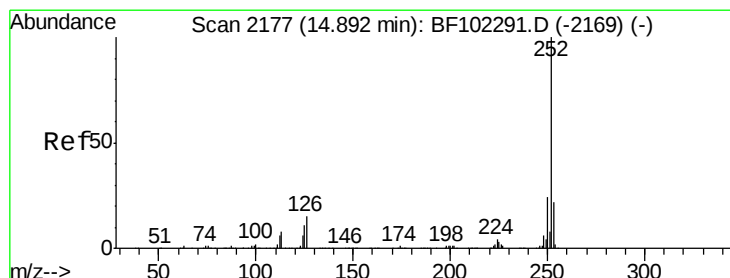
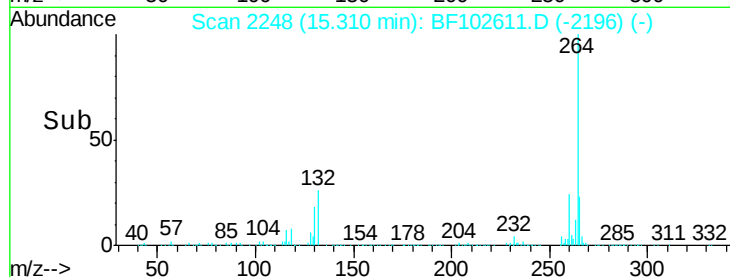
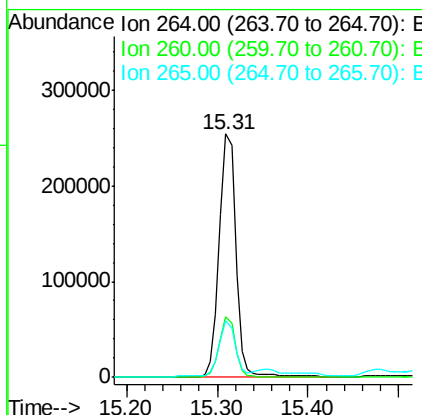
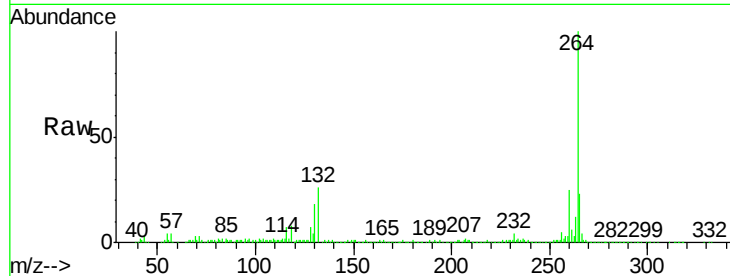
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(5-10)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	23.4	17.5	26.3

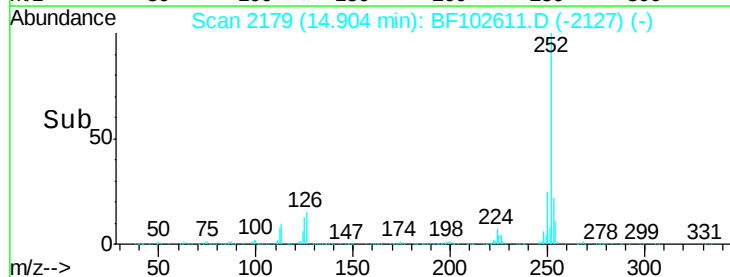
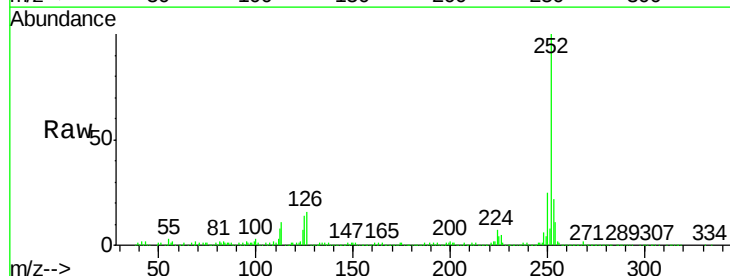
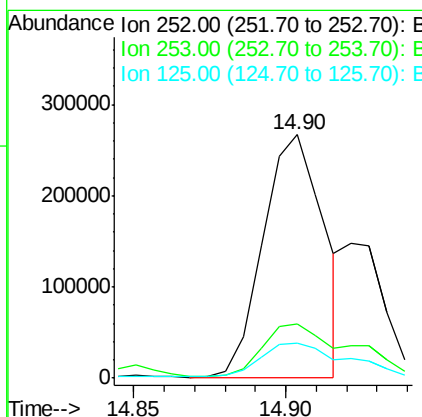
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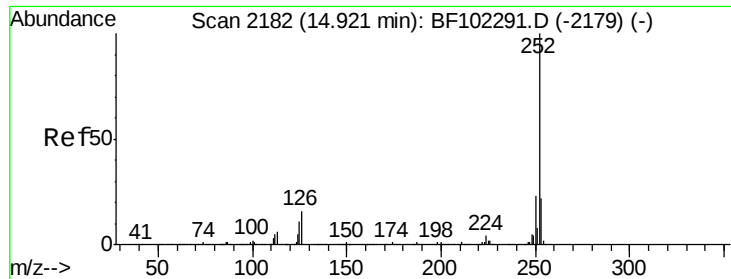
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#87
Benzo(b)fluoranthene
Concen: 17.610 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.2	9.0	13.6





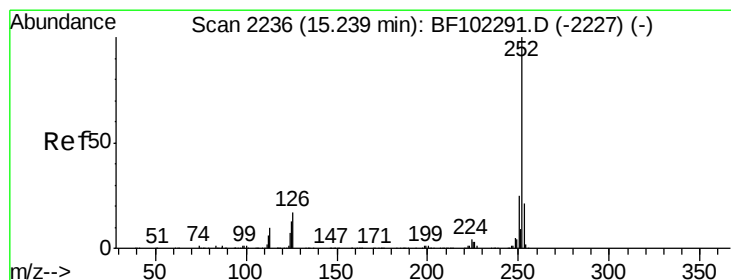
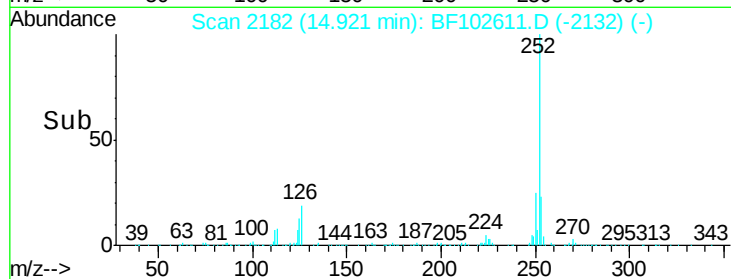
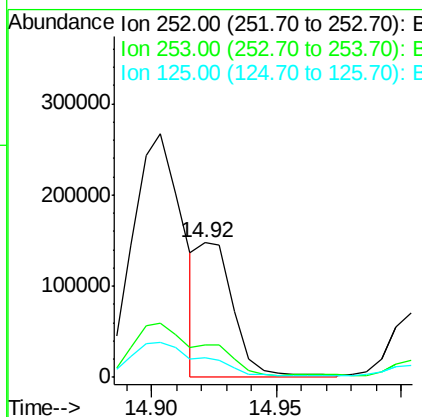
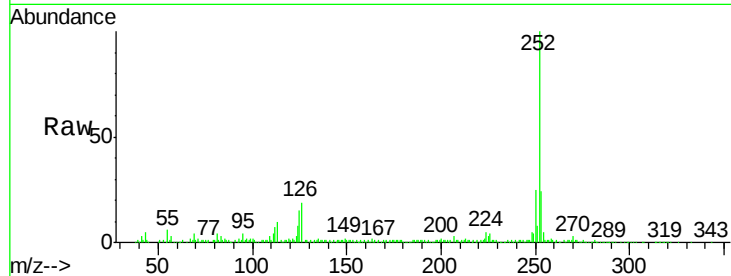
#88
Benzo(k)fluoranthene
Concen: 7.145 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(5-10)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	14.7	10.2	15.2

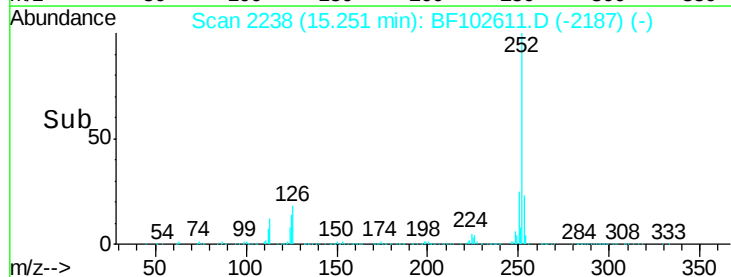
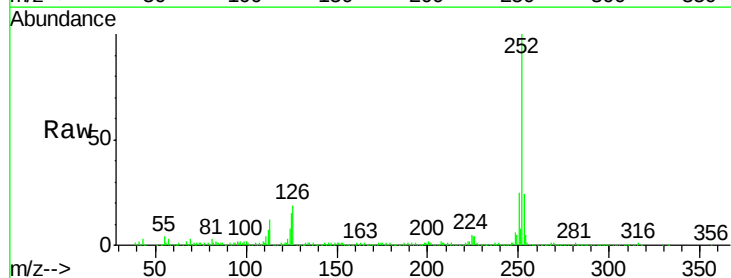
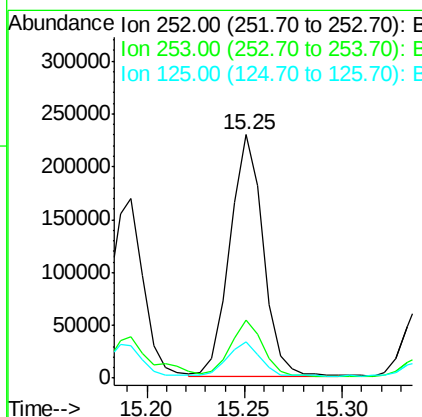
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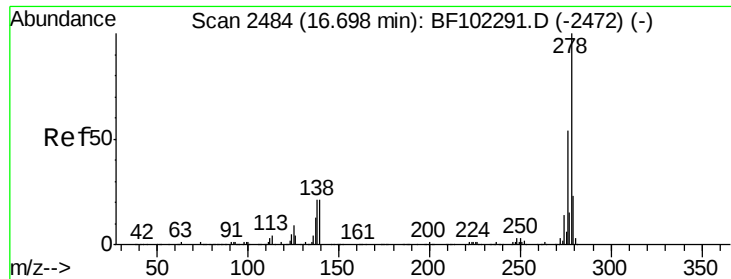
Sohil
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#89
Benzo(a)pyrene
Concen: 14.421 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	15.1	9.8	14.6#





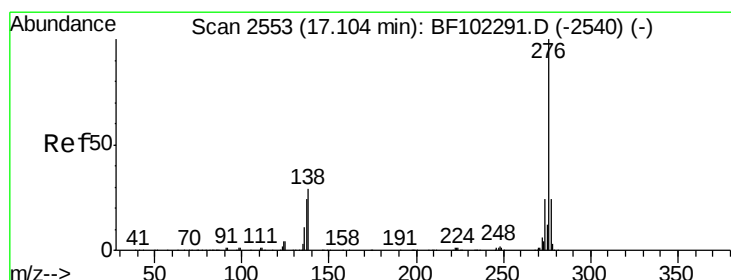
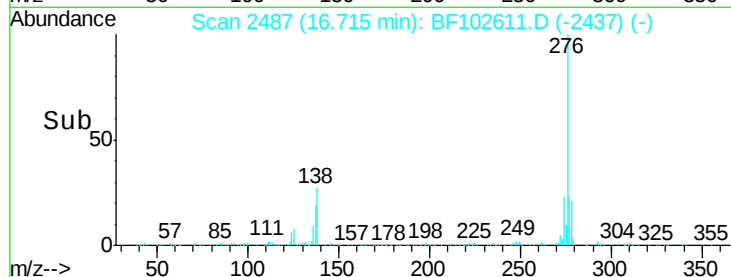
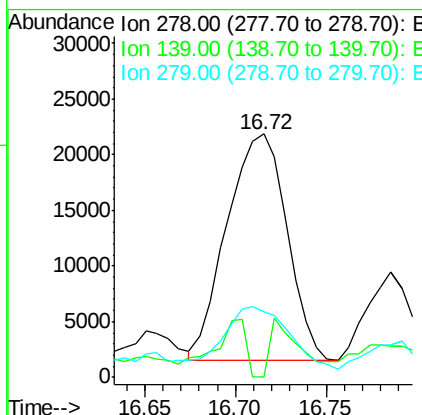
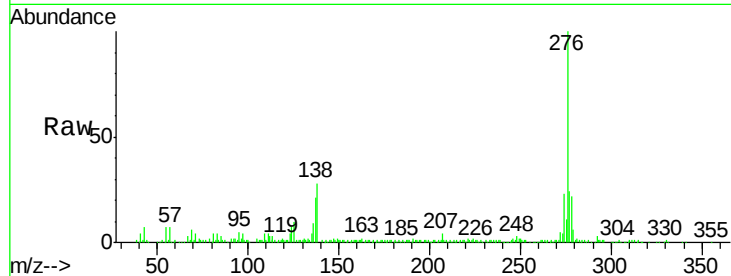
#90
Dibenzo(a,h)anthracene
Concen: 3.044 ng
RT: 16.72 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(5-10)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.0	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 11.298 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BF102611.D
Acq: 29 Jan 2018 21:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	31.8	21.8	32.8

