

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102023.D
 Acq On : 11 Jan 2018 17:25
 Operator : SJ/JU
 Sample : J1081-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-121-1(0-5)

Manual Integrations
 APPROVED

Sohil
 1/12/2018 10:37:19 AM

Quant Time: Jan 12 00:04:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	221605	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	858121	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	346190	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	503010	20.00	ng	0.00
75) Chrysene-d12	13.87	240	318001	20.00	ng	0.00
86) Perylene-d12	15.30	264	392510	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1485929	94.68	ng	0.01
7) Phenol-d6	6.36	99	1759394	93.96	ng	0.00
23) Nitrobenzene-d5	7.29	82	1123602	76.94	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	276729	91.60	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1619133	73.07	ng	0.00
78) Terphenyl-d14	12.83	244	982389	64.14	ng	0.00
Target Compounds						
10) Phenol	6.37	94	76740	3.627	ng	97
48) Acenaphthylene	9.62	152	205402	5.455	ng	97
49) Dimethylphthalate	9.48	163	259565	9.346	ng	99
70) Phenanthrene	11.26	178	234220	7.971	ng	98
71) Anthracene	11.32	178	66520	2.232	ng	97
74) Fluoranthene	12.45	202	817264	28.271	ng	98
77) Pyrene	12.68	202	688413	24.491	ng	98
80) Benzo(a)anthracene	13.86	228	396478m	19.541	ng	
82) Chrysene	13.90	228	359615	16.998	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	305717	19.854	ng	98
87) Benzo(b)fluoranthene	14.89	252	637610m	24.913	ng	
88) Benzo(k)fluoranthene	14.92	252	167030m	6.765	ng	
89) Benzo(a)pyrene	15.24	252	431163	18.722	ng	98
90) Dibenzo(a,h)anthracene	16.68	278	73001	3.972	ng	# 90
91) Benzo(a,h,i)perylene	17.09	276	275621	14.888	ng	95

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

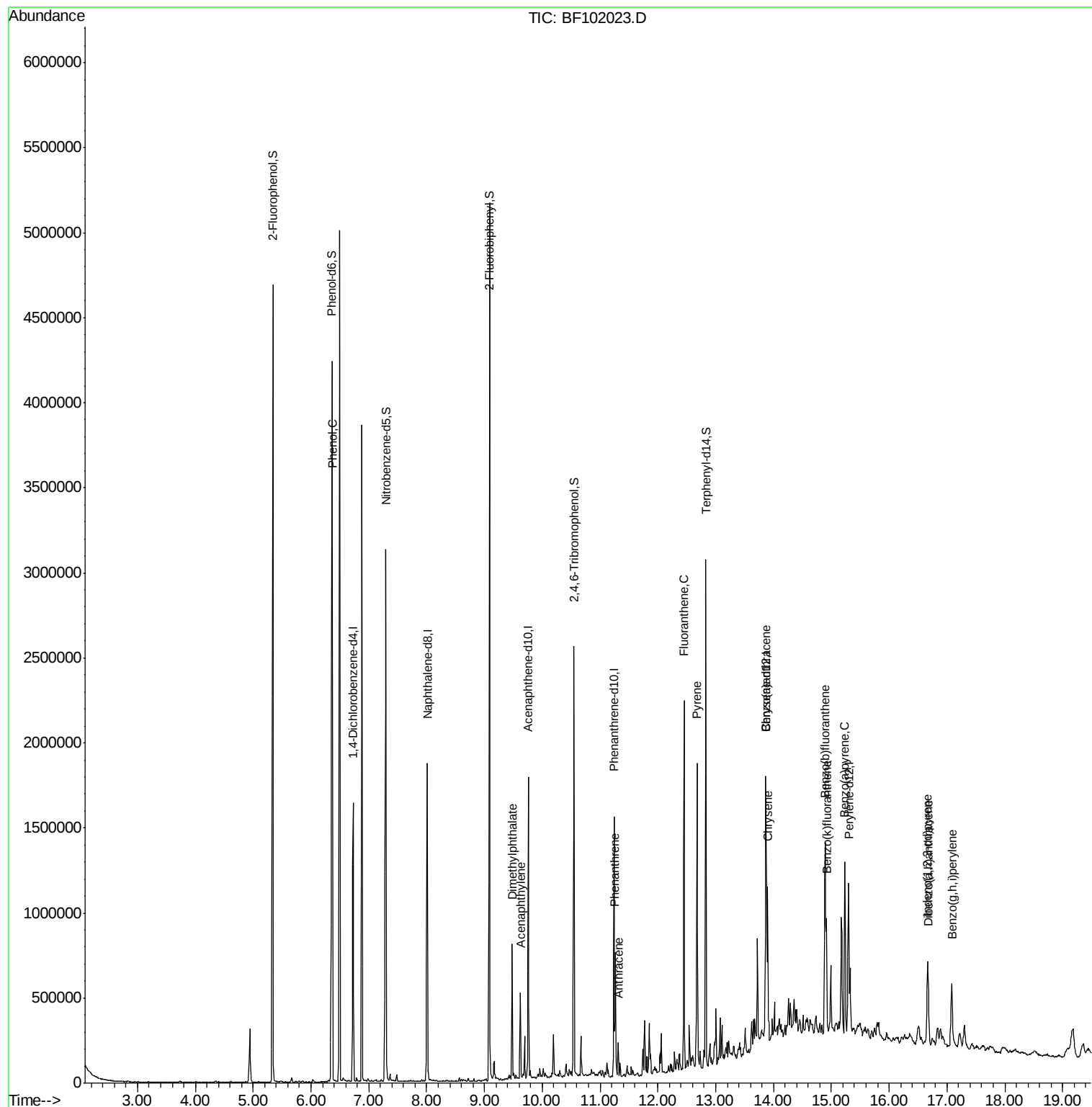
Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
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#1

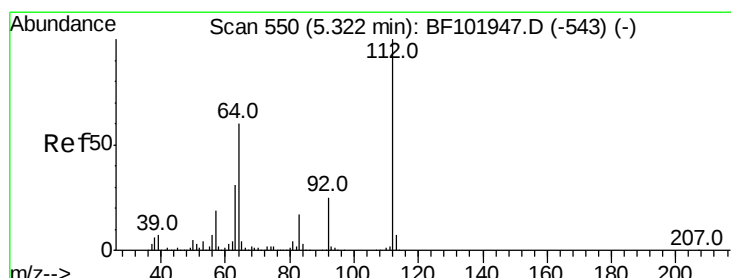
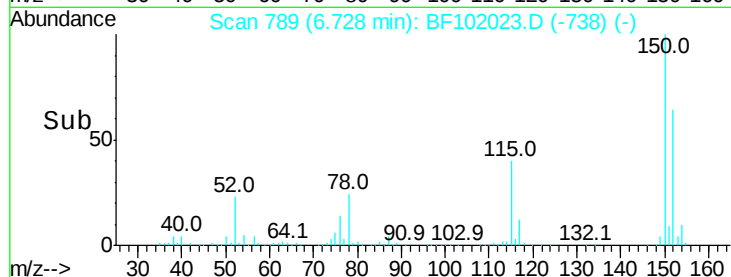
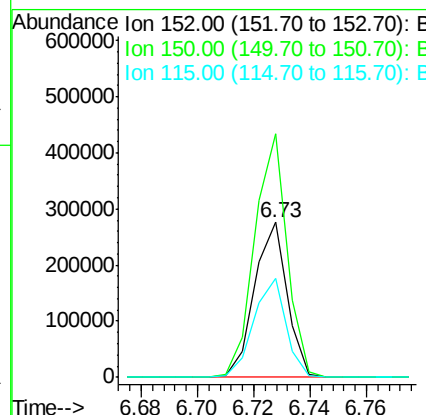
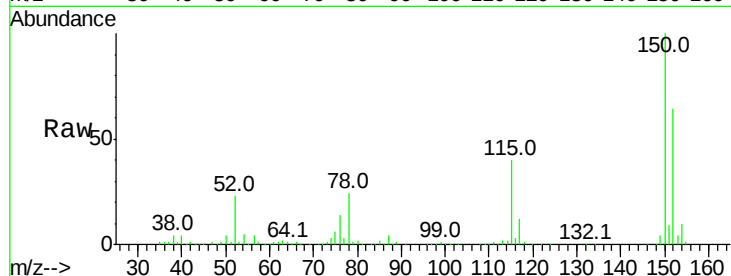
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	63.4	50.1	75.1

Manual Integrations
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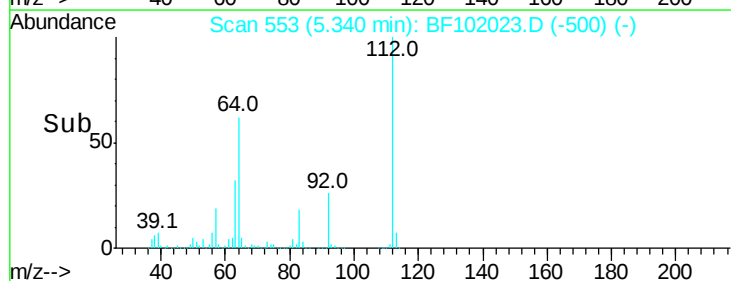
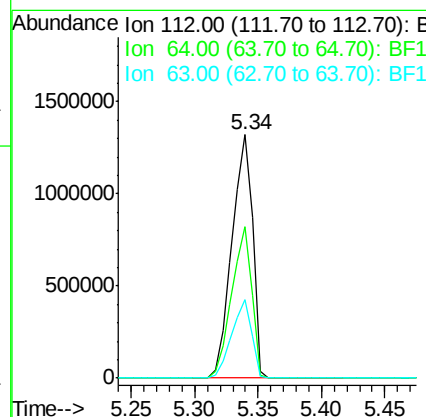
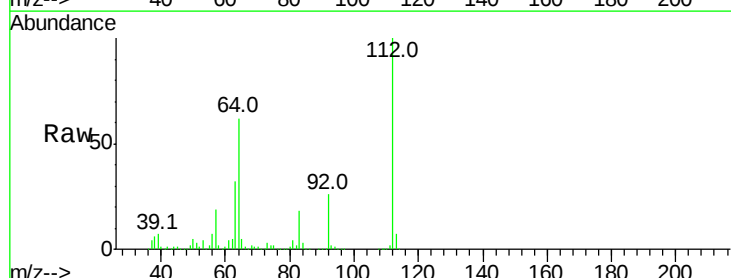
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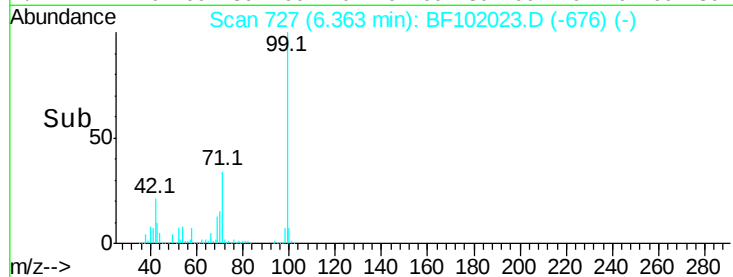
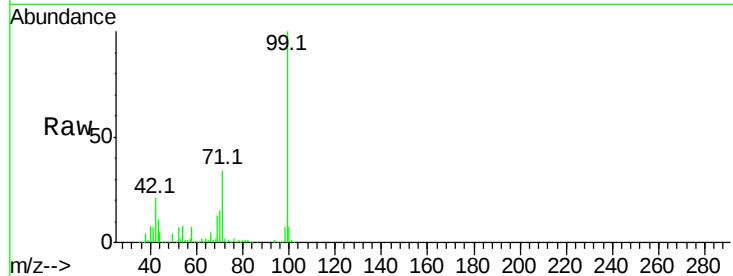


#5

2-Fluorophenol
Concen: 94.684 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 93.965 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Tot Ion	99	Resp	1759394
Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.5	21.7
71	33.9	25.4	38.0

Instrument :

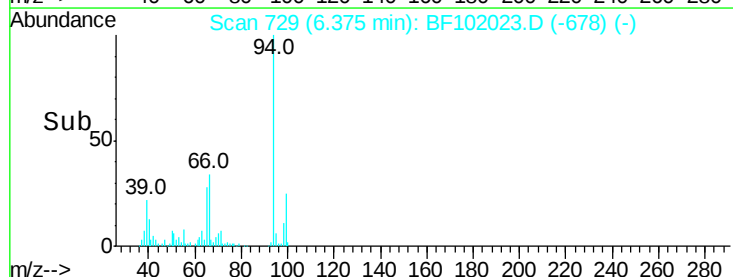
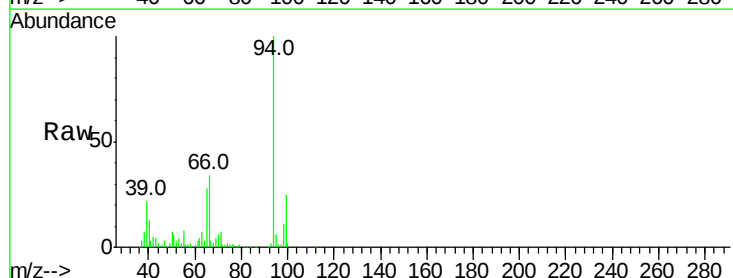
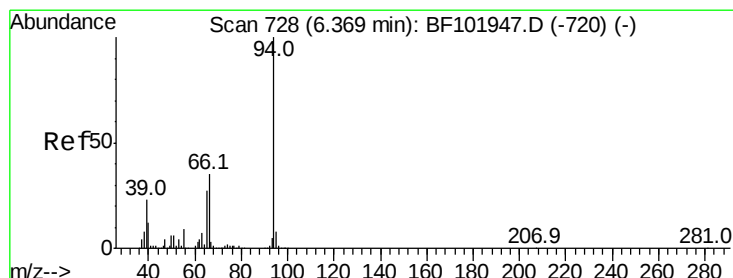
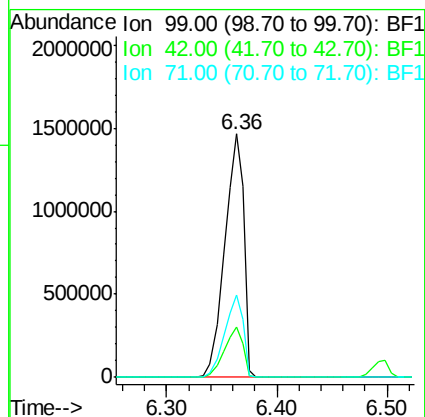
BNA_F

ClientSampleId :

EPE-121-1(0-5)

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#10

Phenol

Concen: 3.627 ng

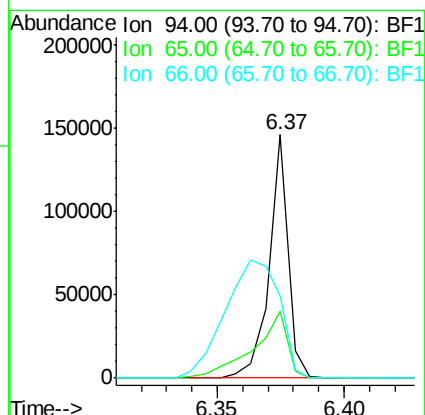
RT: 6.37 min Scan# 729

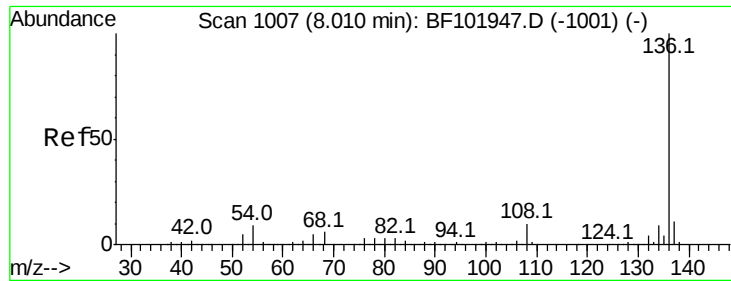
Delta R.T. 0.00 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Tgt Ion	94	Resp	76740
Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.9	47.9
66	33.7	16.2	56.2





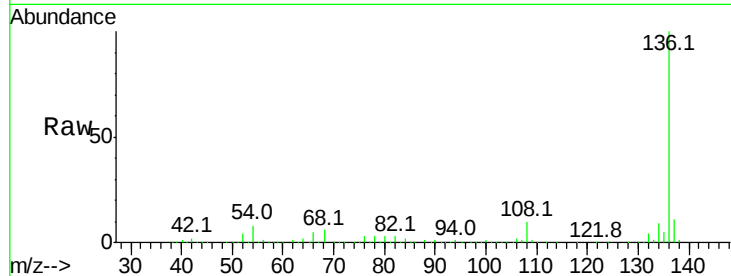
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(0-5)

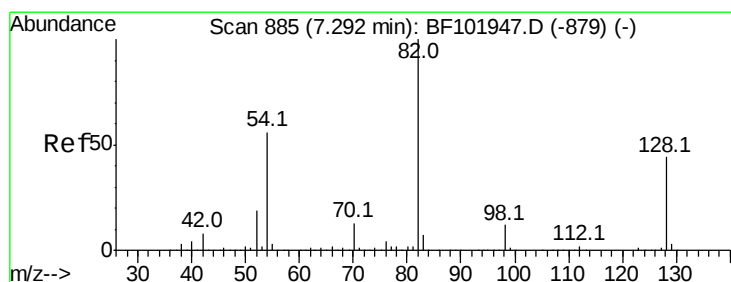
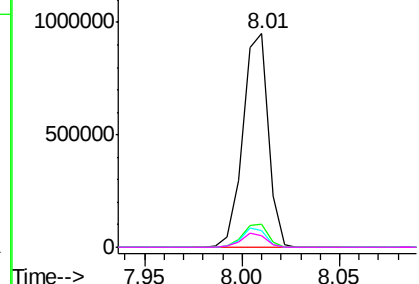
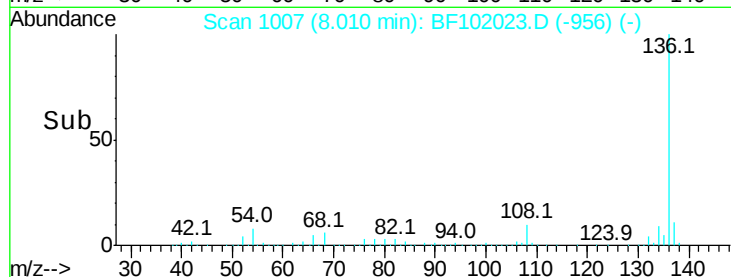
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	7.7	6.6	9.8	
68	5.7	5.0	7.4	

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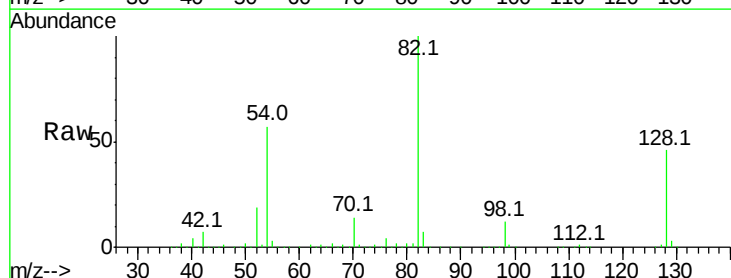


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

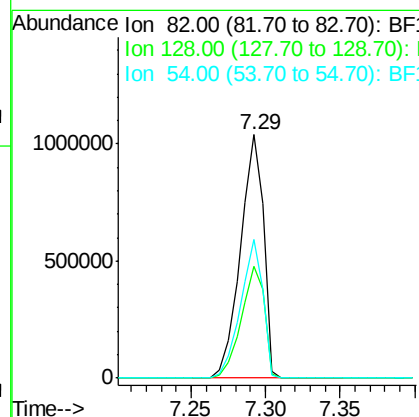
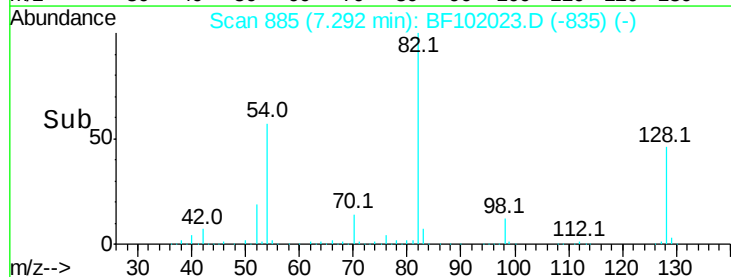


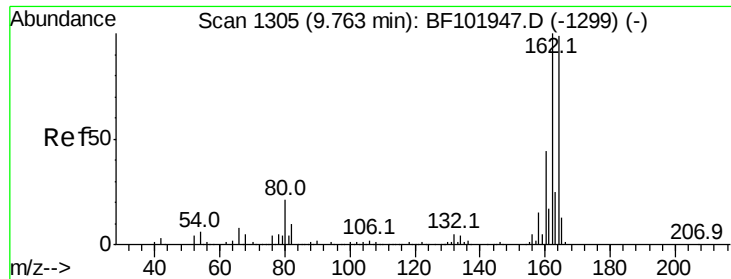
#23
Nitrobenzene-d5
Concen: 76.944 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	36.1	54.1	
54	56.8	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





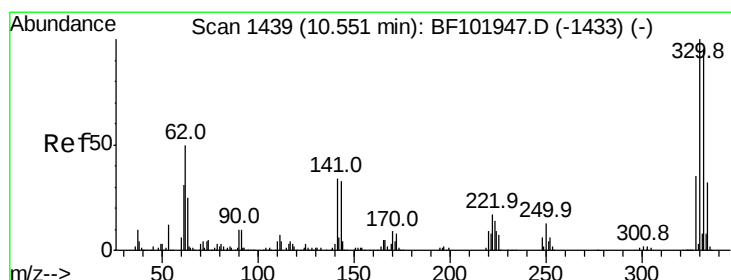
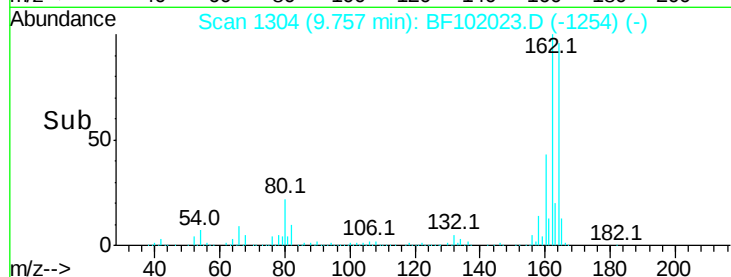
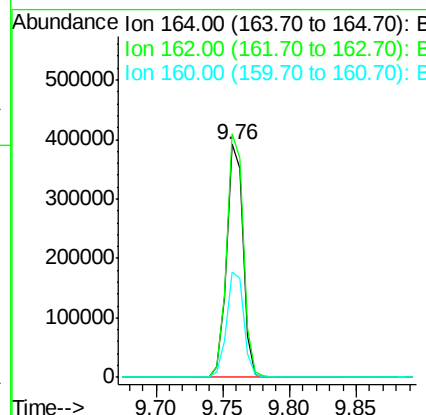
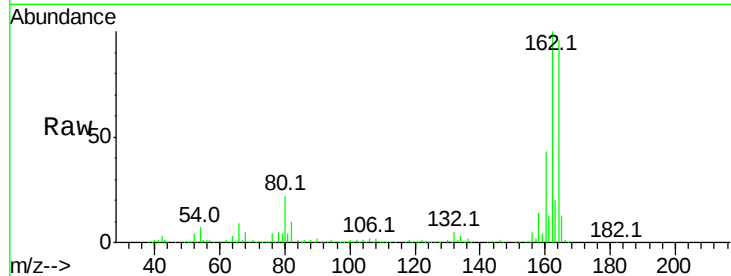
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF102023.D
 Acq: 11 Jan 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 EPE-121-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.4	86.1	129.1	
160	45.4	38.3	57.5	

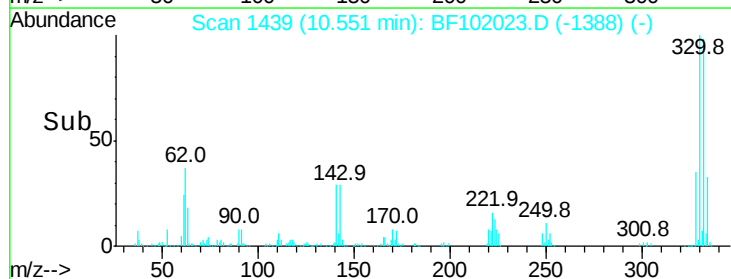
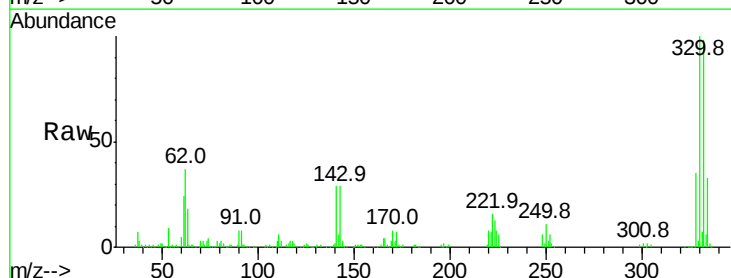
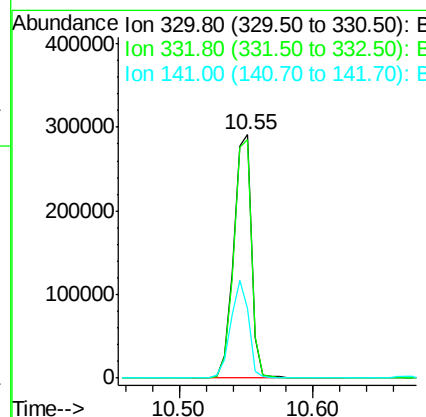
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#41
 2,4,6-Tribromophenol
 Concen: 91.597 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF102023.D
 Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	77.0	115.6	
141	40.4	29.9	44.9	





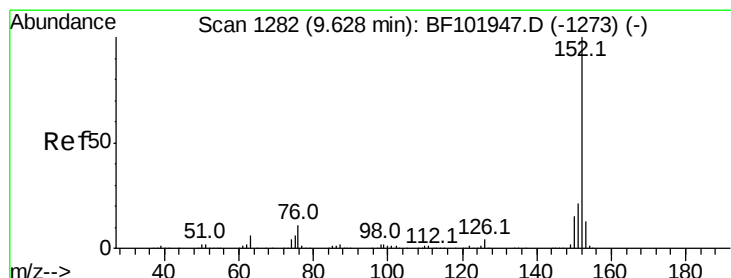
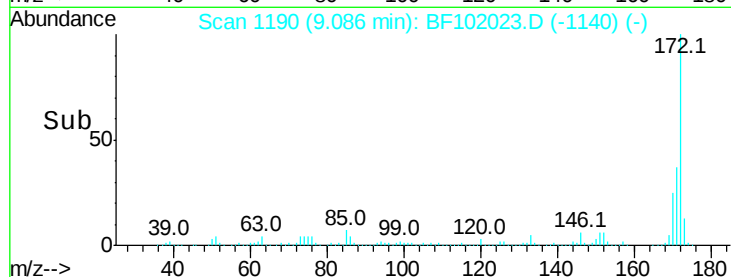
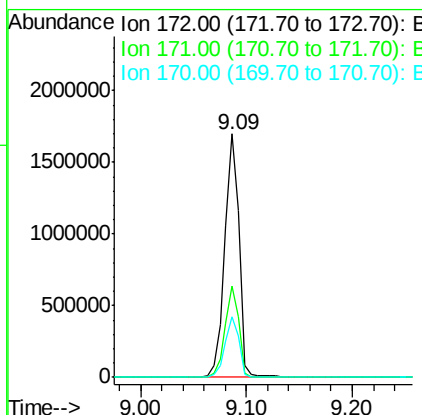
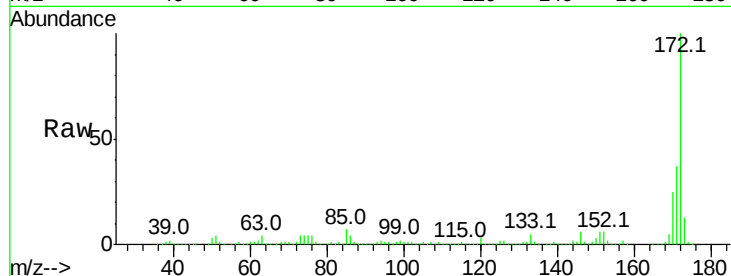
#44
2-Fluorobiphenyl
Concen: 73.068 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	24.8	19.6	29.4

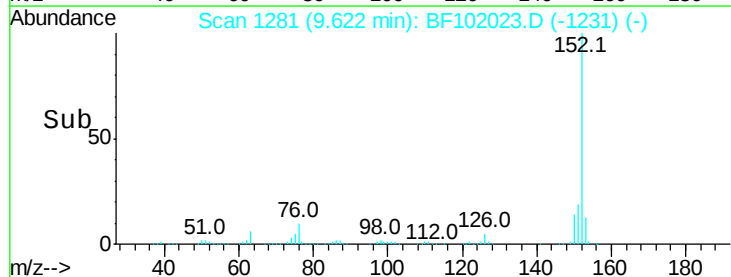
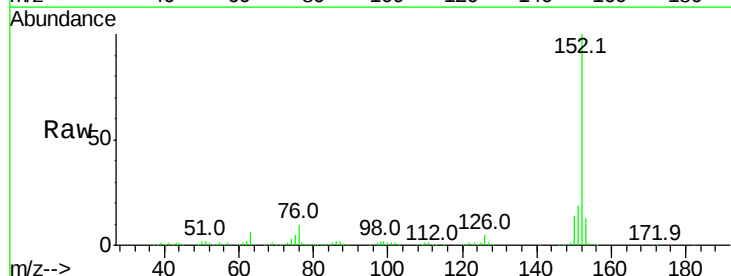
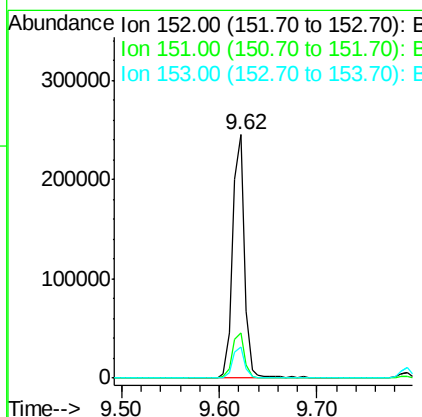
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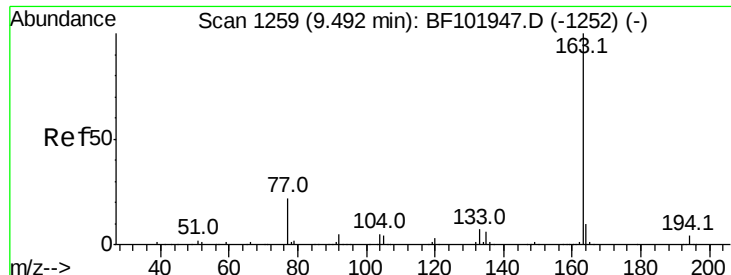
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#48
Acenaphthylene
Concen: 5.455 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.3	24.5
153	12.9	10.7	16.1





#49

Dimethylphthalate

Concen: 9.346 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Instrument :

BNA_F

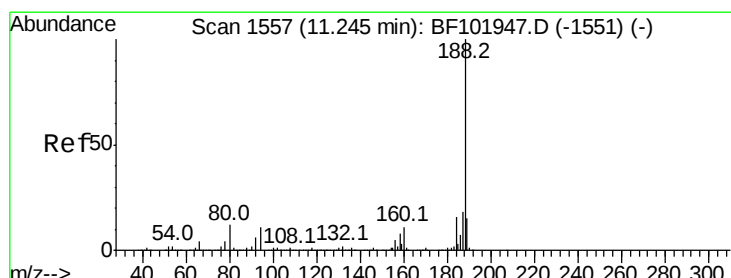
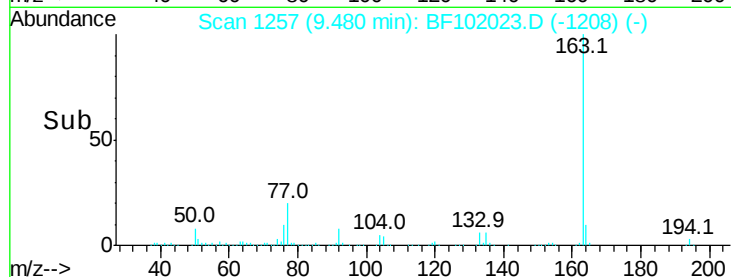
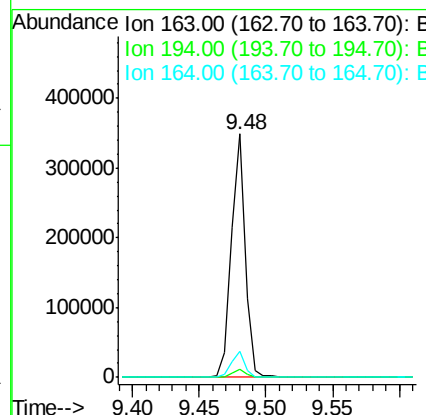
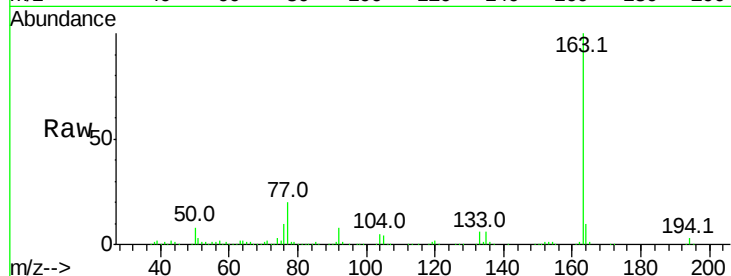
ClientSampleId :

EPE-121-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2	2.7	4.1	
164	10.4	8.2	12.2	

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

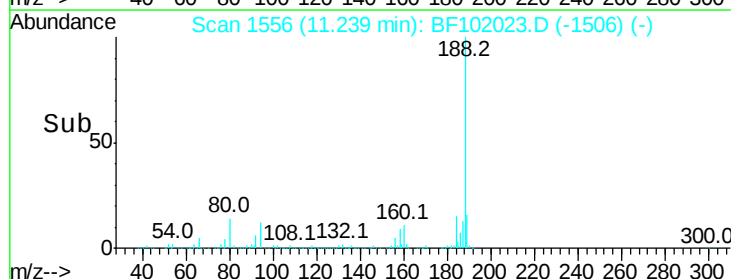
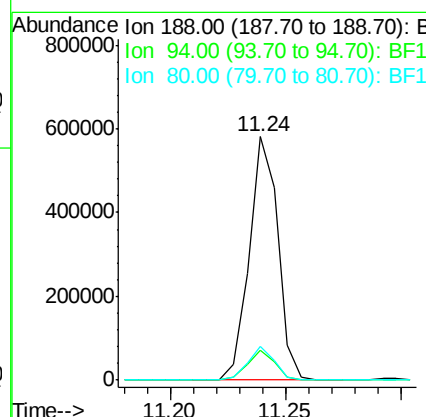
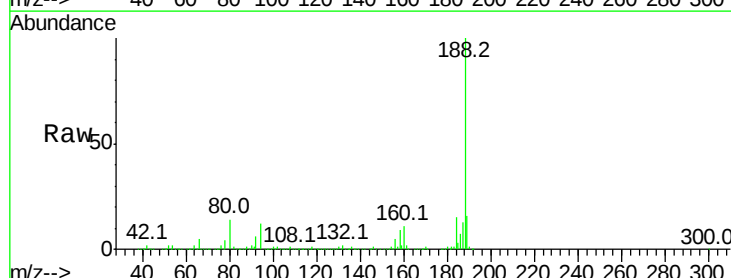
RT: 11.24 min Scan# 1556

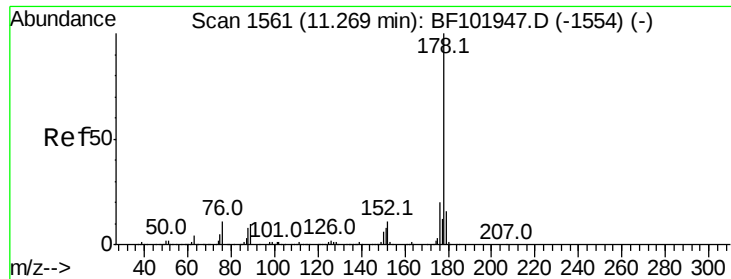
Delta R.T. -0.01 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.5	8.5	12.7	
80	13.6	9.2	13.8	





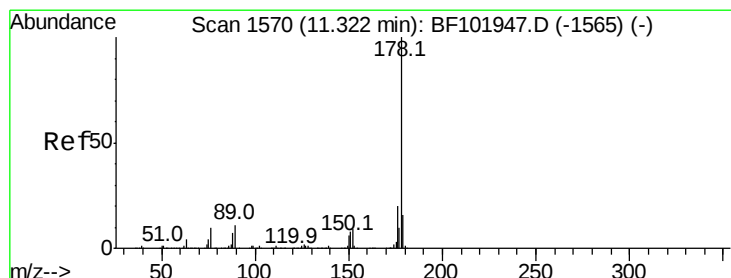
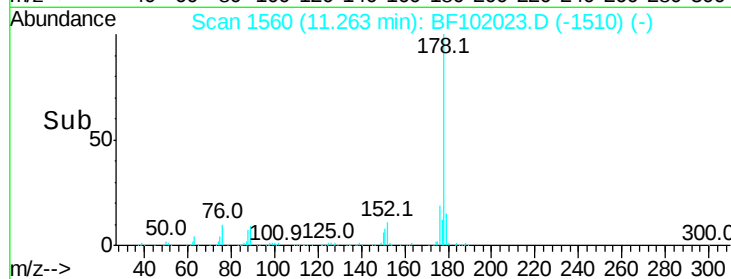
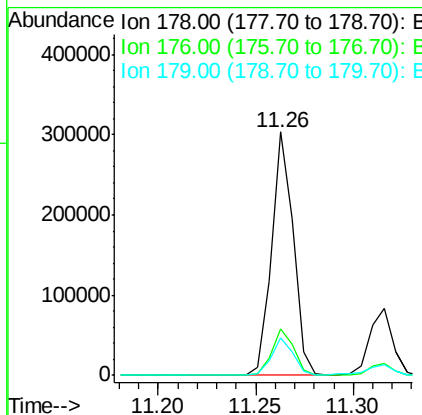
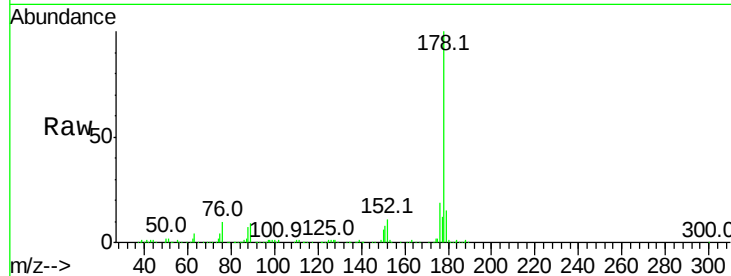
#70
Phenanthrene
Concen: 7.971 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.2	13.0	19.6

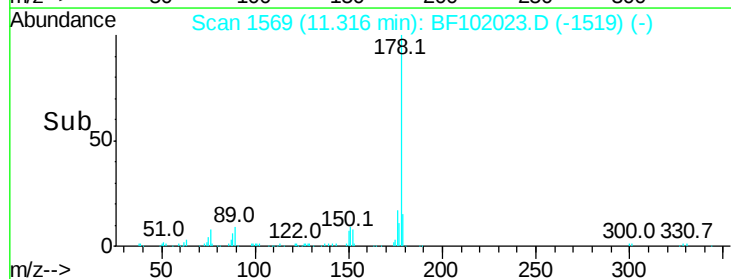
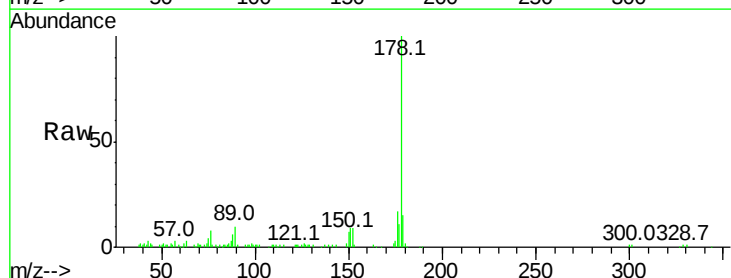
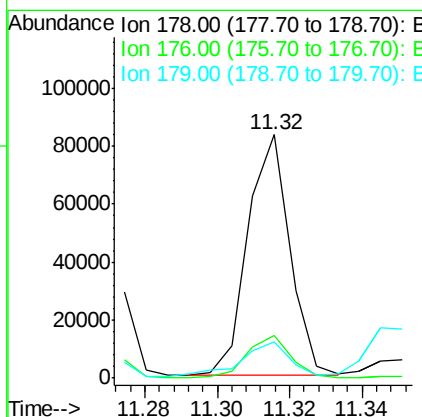
Manual Integrations
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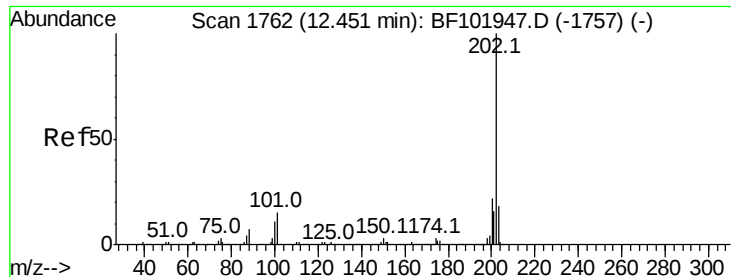
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#71
Anthracene
Concen: 2.232 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.4	23.2
179	15.0	12.6	19.0





#74

Fluoranthene

Concen: 28.271 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Instrument :

BNA_F

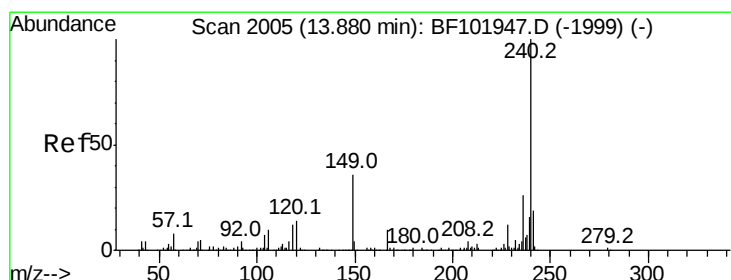
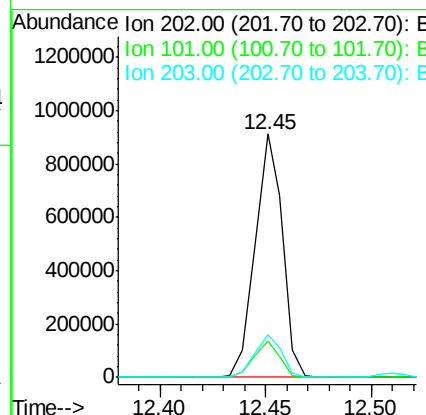
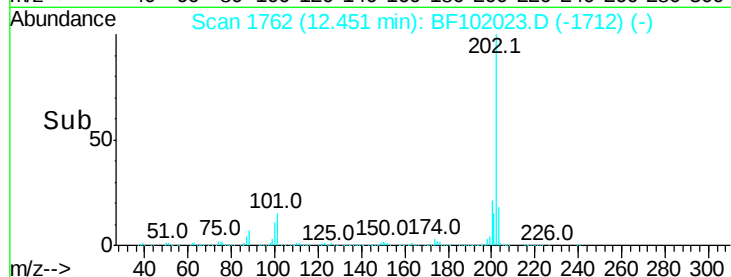
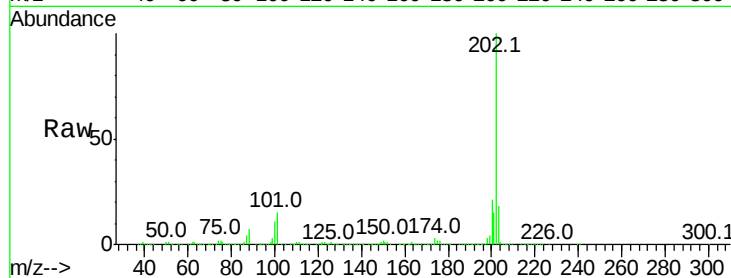
ClientSampleId :

EPE-121-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	817264		
101	15.1	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

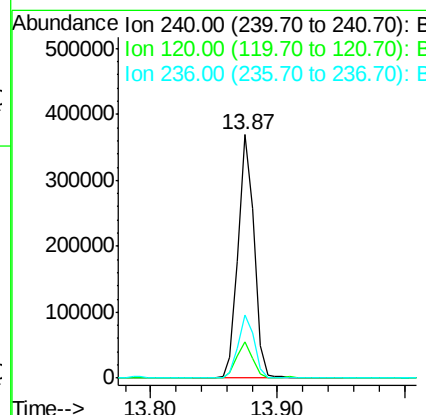
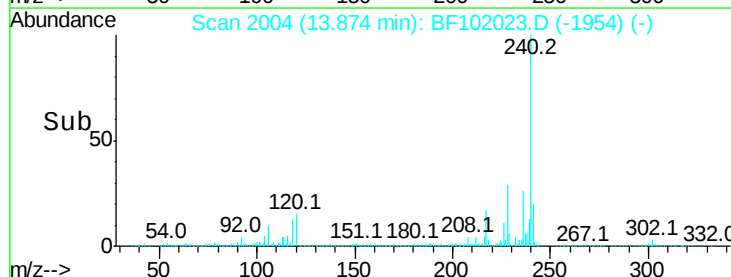
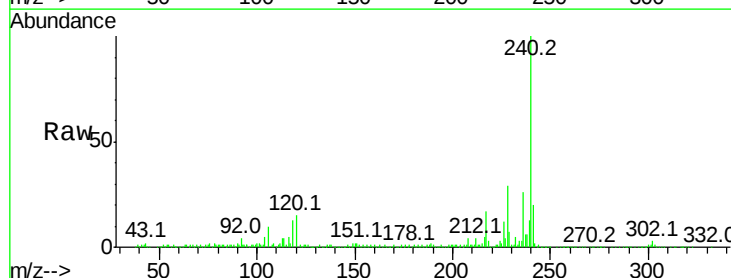
RT: 13.87 min Scan# 2004

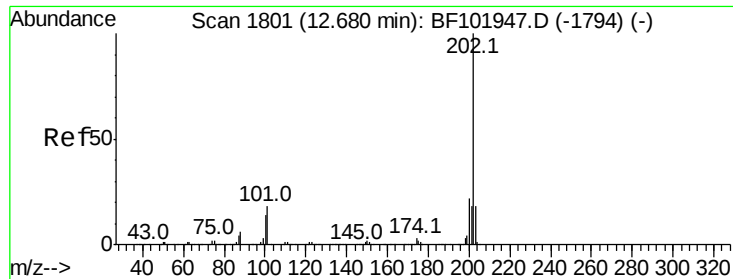
Delta R.T. -0.01 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	318001		
120	15.0	9.5	14.3#	
236	26.1	20.7	31.1	





#77

Pvrene

Concen: 24.491 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Instrument :

BNA_F

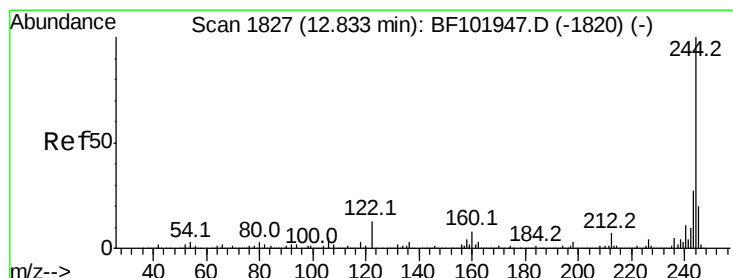
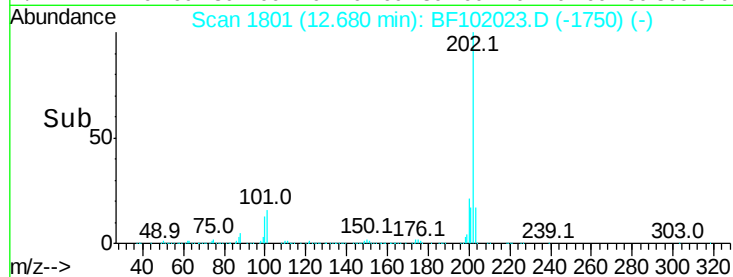
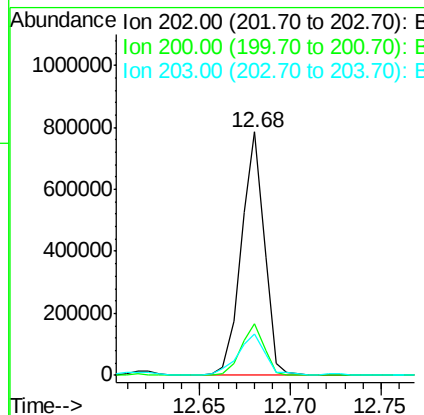
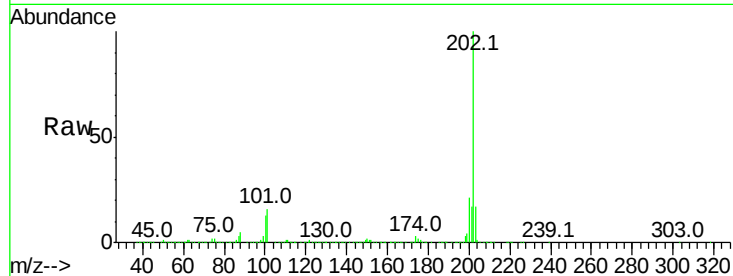
ClientSampleId :

EPE-121-1(0-5)

Tot Ion:	202	Resp:	688413
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.2	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 64.141 ng

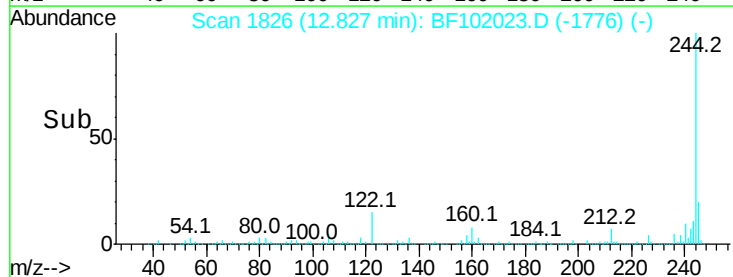
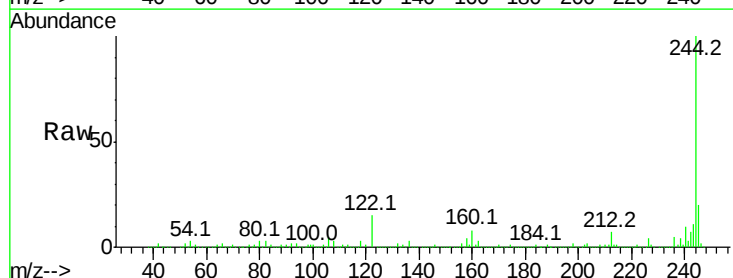
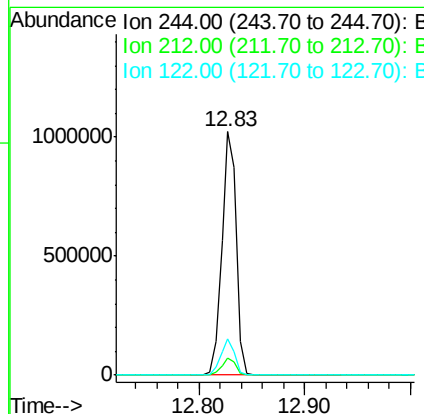
RT: 12.83 min Scan# 1826

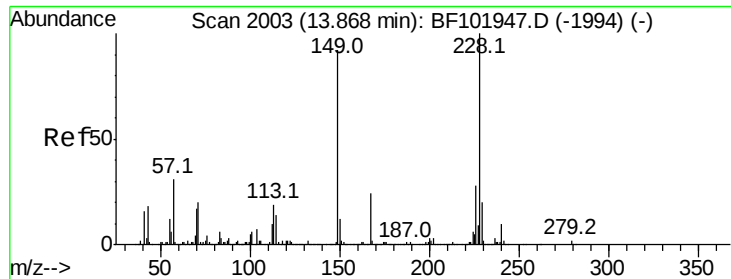
Delta R.T. -0.01 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Tgt Ion:	244	Resp:	982389
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	15.0	11.0	16.4





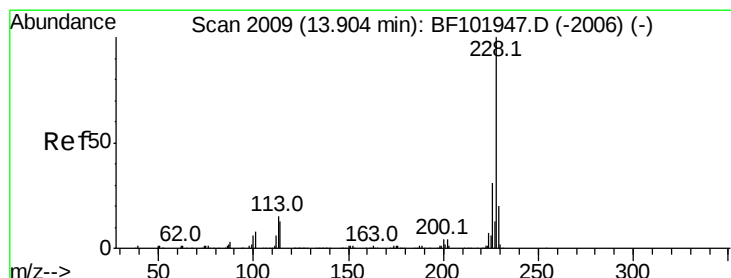
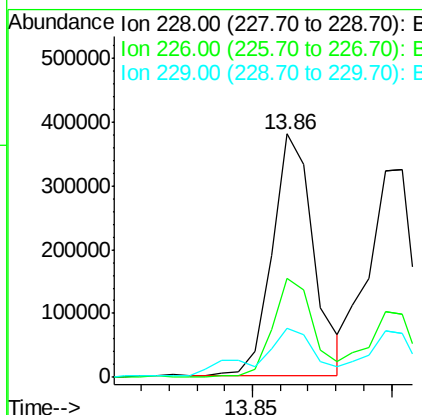
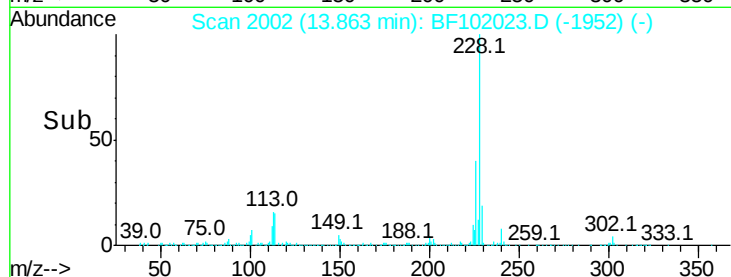
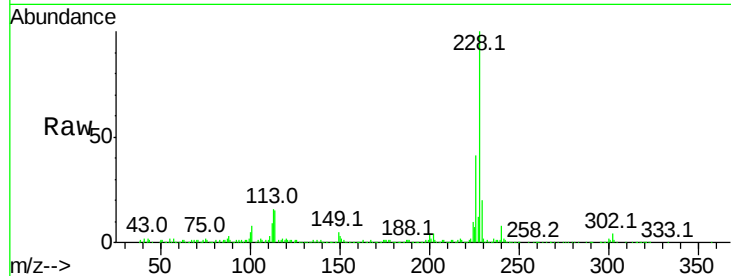
#80
Benzo(a)anthracene
Concen: 19.541 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.6	22.6	33.8#
229	20.0	15.8	23.6

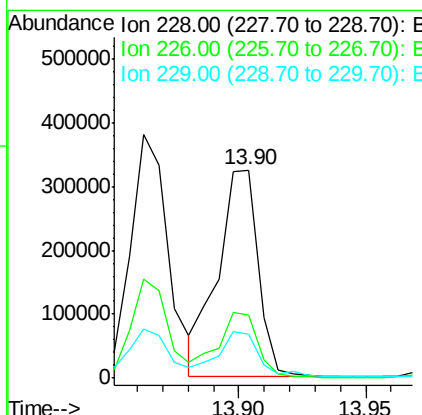
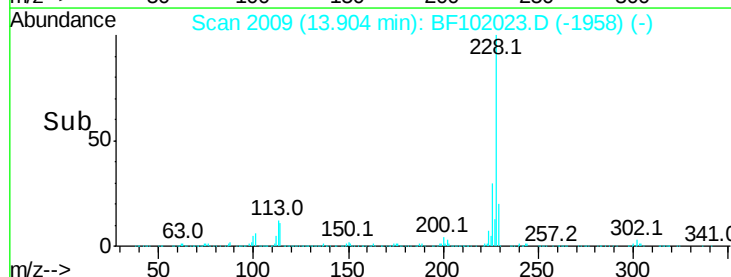
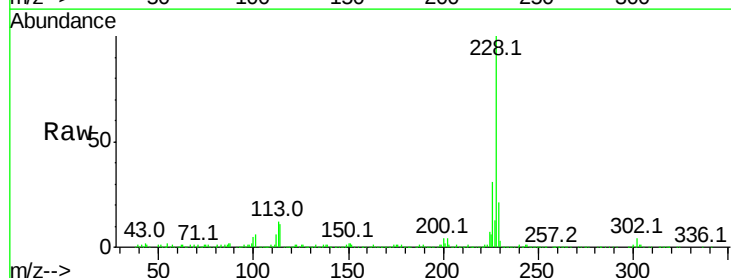
Manual Integrations
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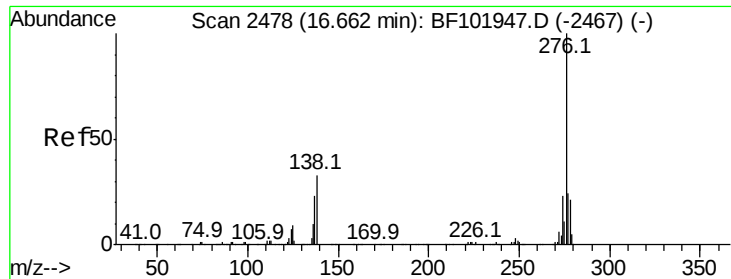
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#82
Chrysene
Concen: 16.998 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.2	16.2	24.4





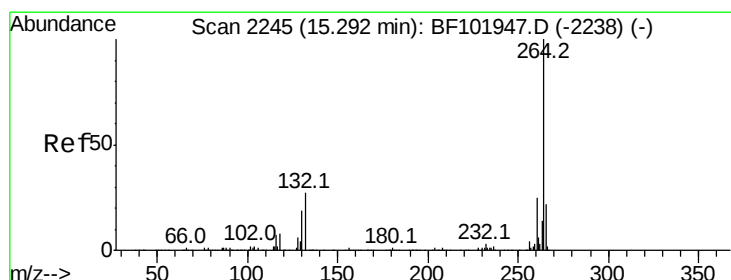
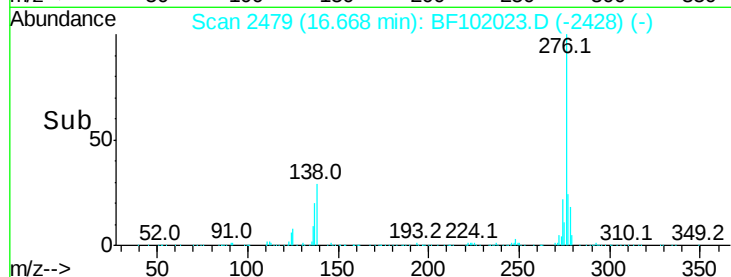
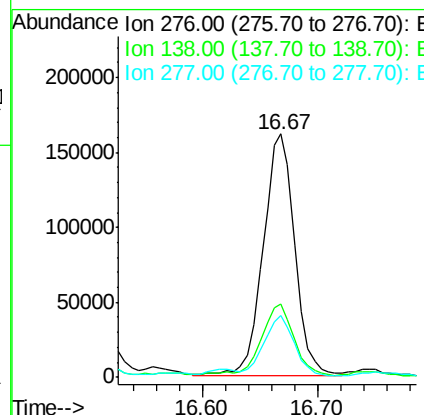
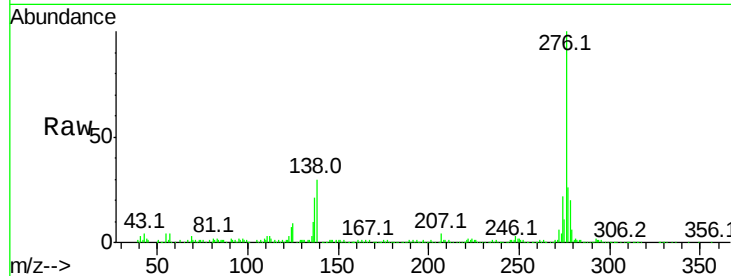
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.854 ng
RT: 16.67 min Scan# 2479
Delta R.T. 0.00 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.0	25.0	37.6
277	23.6	20.1	30.1

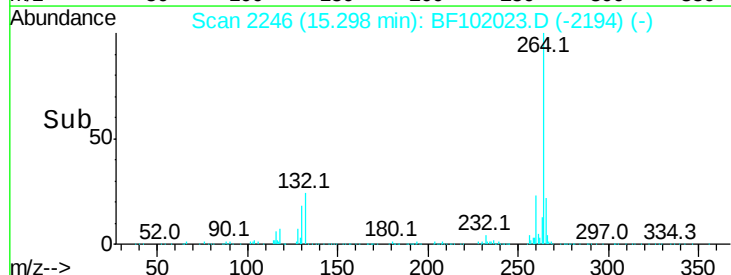
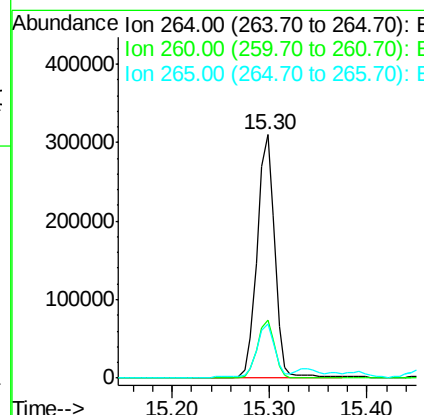
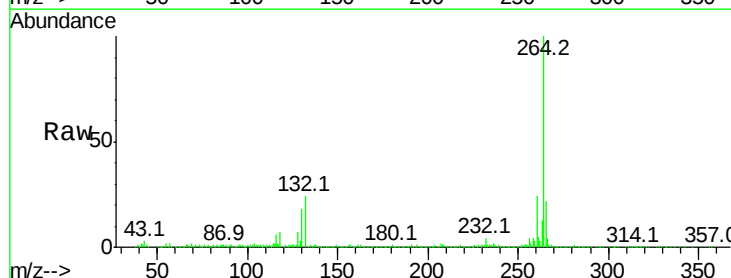
Manual Integrations
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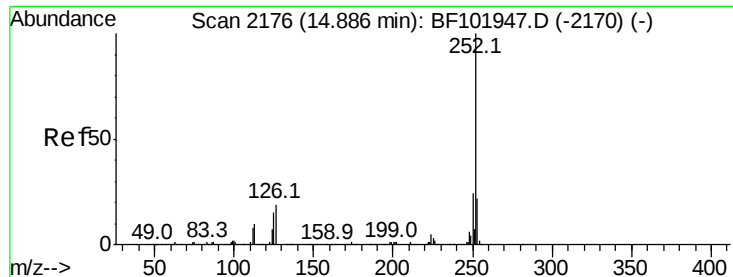
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102023.D
Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 24.913 ng m

RT: 14.89 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

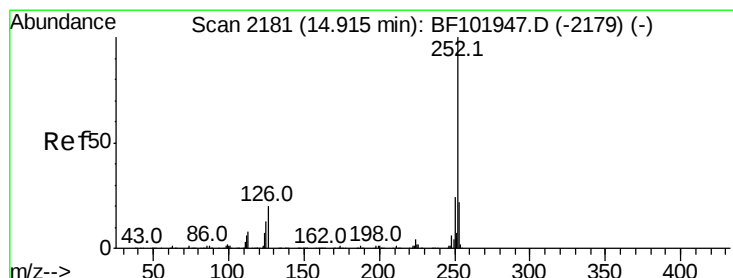
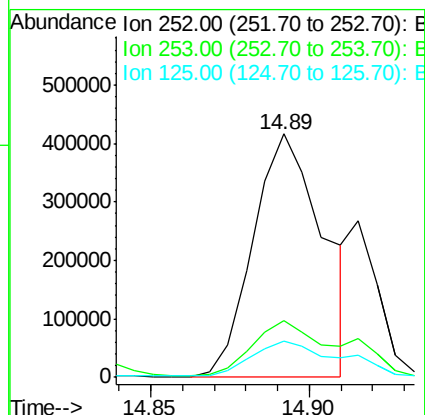
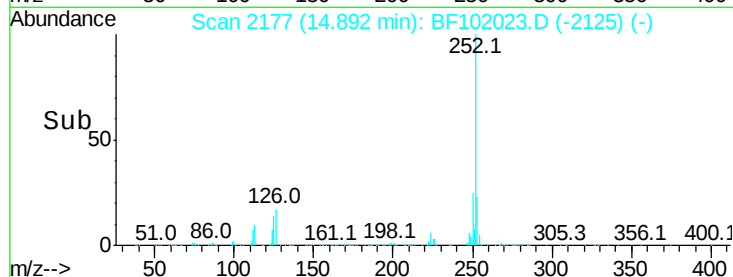
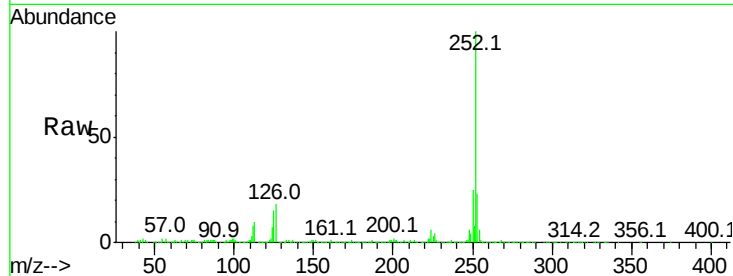
Instrument :
BNA_F

ClientSampleId :
EPE-121-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	14.8	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 6.765 ng m

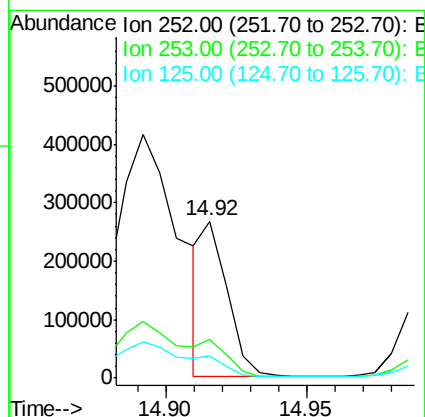
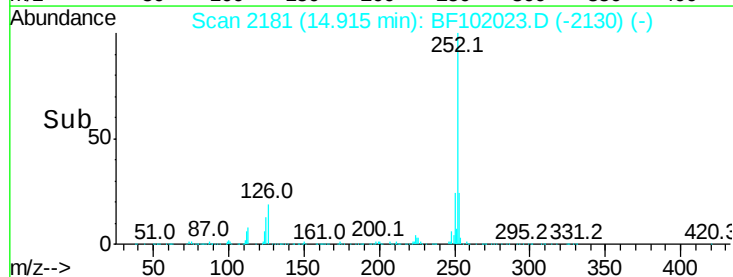
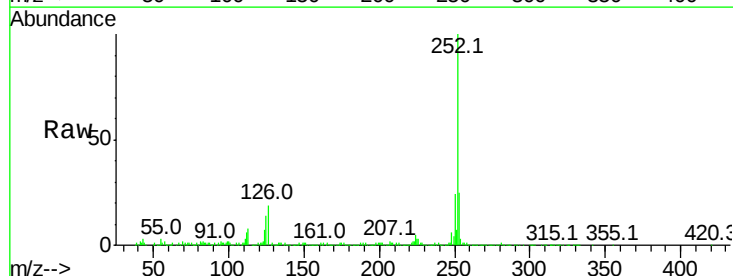
RT: 14.92 min Scan# 2181

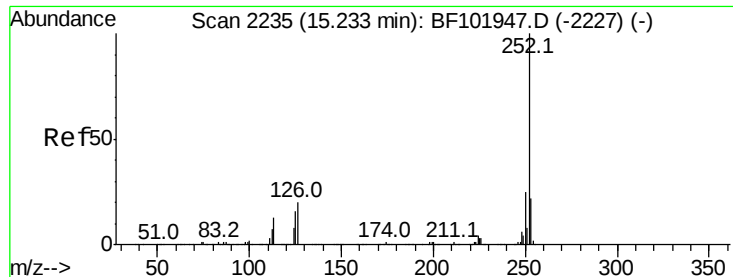
Delta R.T. 0.00 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	13.8	10.2	15.2





#89

Benzo(a)pyrene

Concen: 18.722 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

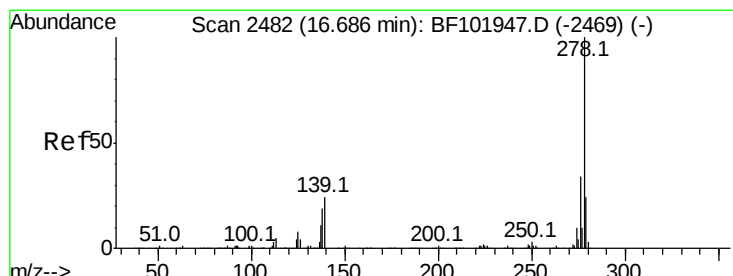
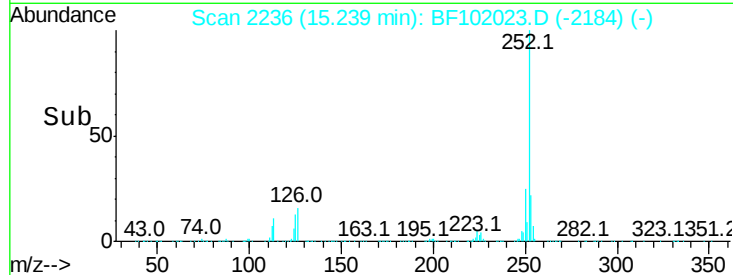
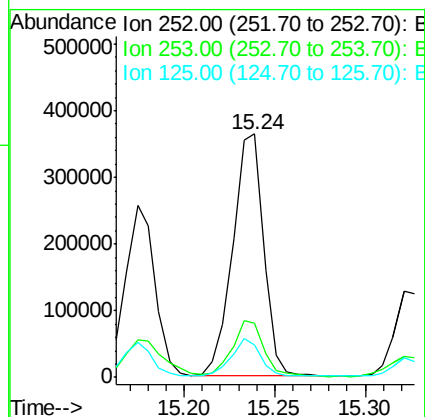
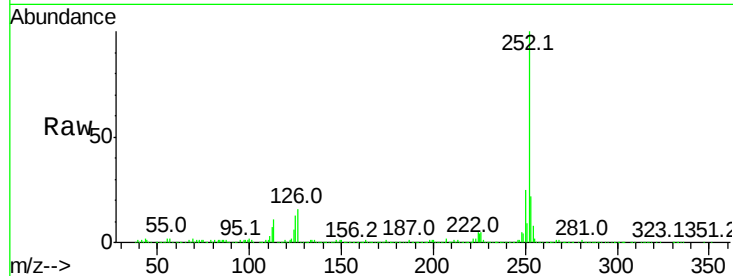
Instrument :
BNA_F

ClientSampleId :
EPE-121-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.2	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 3.972 ng

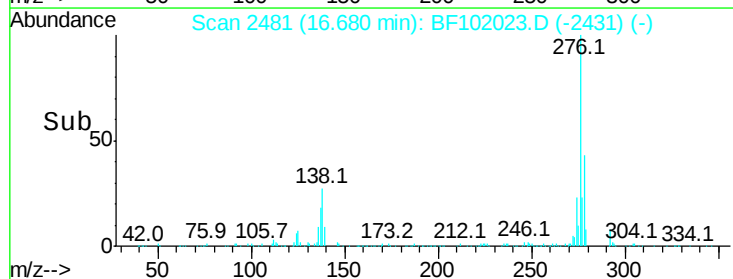
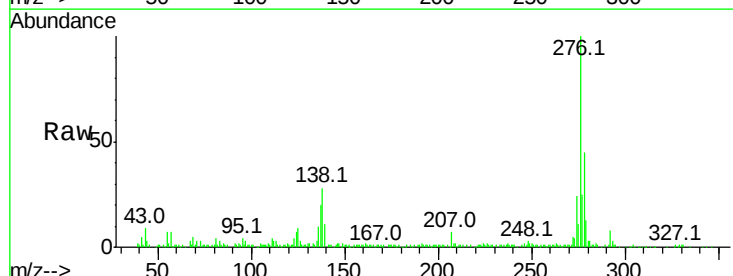
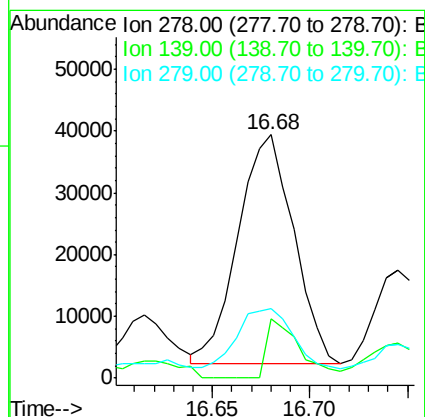
RT: 16.68 min Scan# 2481

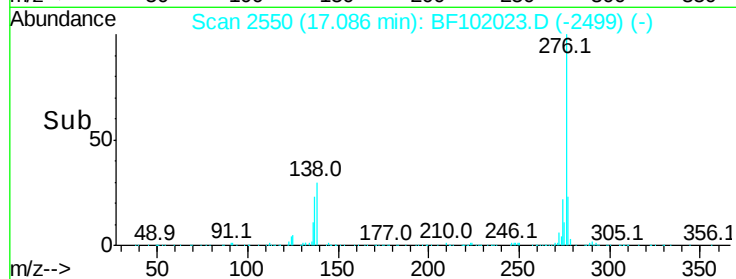
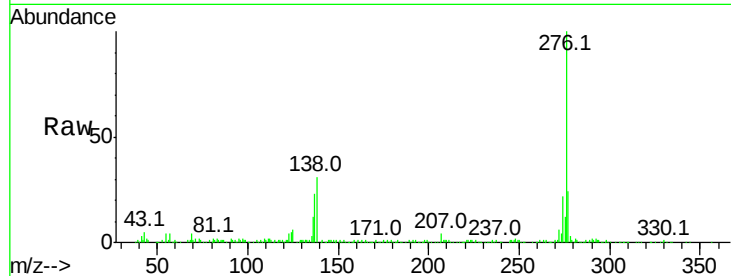
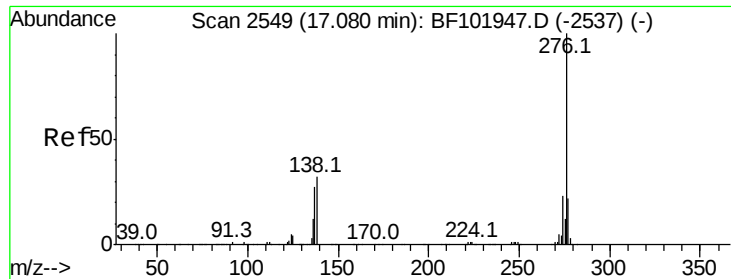
Delta R.T. -0.01 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.3	15.9	23.9#
279	28.6	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 14.888 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.00 min

Lab File: BF102023.D

Acq: 11 Jan 2018 17:25

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	30.6	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

EPE-121-1(0-5)

Manual Integrations
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1/12/2018 10:37:19 AM

