

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102024.D
 Acq On : 11 Jan 2018 17:52
 Operator : SJ/JU
 Sample : J1081-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-121-1(10-12)

Manual Integrations
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Sohil
 1/12/2018 10:37:22 AM

Quant Time: Jan 12 10:05:52 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	188327	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	705921	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	262705	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	368225	20.00	ng	0.00
75) Chrysene-d12	13.87	240	340392	20.00	ng	0.00
86) Perylene-d12	15.29	264	385134	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1261575	94.59	ng	0.01
7) Phenol-d6	6.36	99	1430935	89.93	ng	0.00
23) Nitrobenzene-d5	7.29	82	907326	75.53	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	210594	91.86	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1320399	78.52	ng	0.00
78) Terphenyl-d14	12.83	244	859972	52.46	ng	0.00
Target Compounds						
10) Phenol	6.37	94	62058	3.451	ng	Qvalue # 75
49) Dimethylphthalate	9.48	163	172812	8.200	ng	99
70) Phenanthrene	11.26	178	190010	8.834	ng	98
71) Anthracene	11.32	178	45182	2.071	ng	99
74) Fluoranthene	12.45	202	226810	10.718	ng	98
77) Pyrene	12.67	202	237158	7.882	ng	100
80) Benzo(a)anthracene	13.86	228	131316m	6.046	ng	
82) Chrysene	13.90	228	136435m	6.025	ng	
85) Indeno(1,2,3-cd)pyrene	16.66	276	81389	4.938	ng	98
87) Benzo(b)fluoranthene	14.89	252	174375m	6.944	ng	
88) Benzo(k)fluoranthene	14.91	252	49837m	2.057	ng	
89) Benzo(a)pyrene	15.23	252	133455	5.906	ng	97
91) Benzo(a,h,i)perylene	17.07	276	76858	4.231	ng	96

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

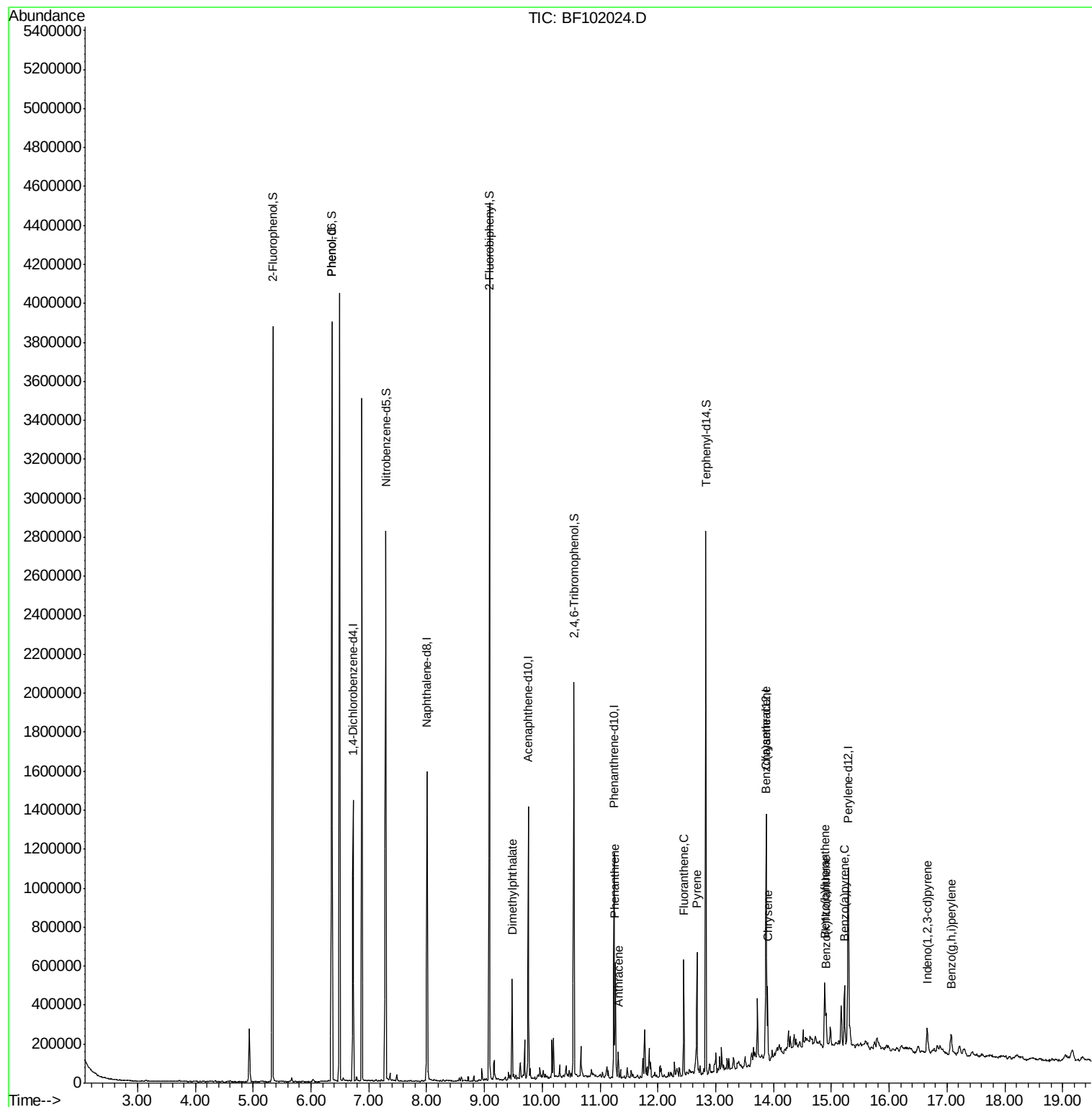
Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
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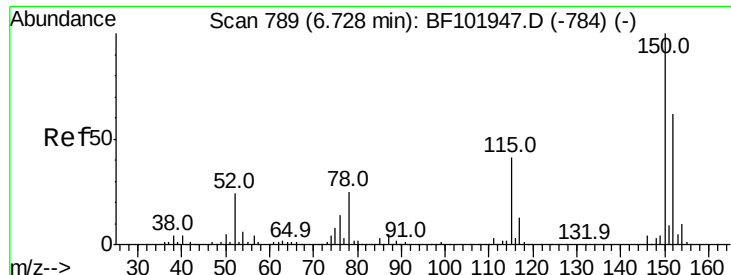
Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

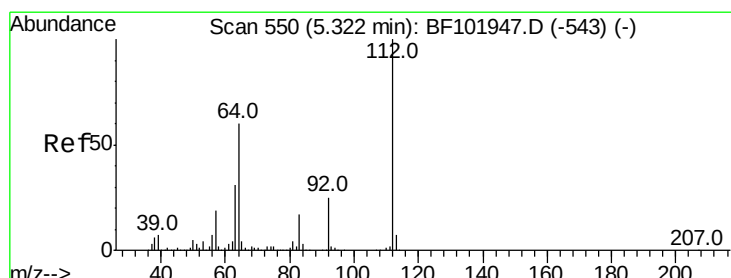
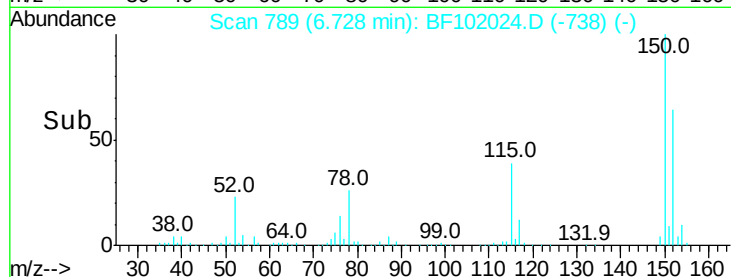
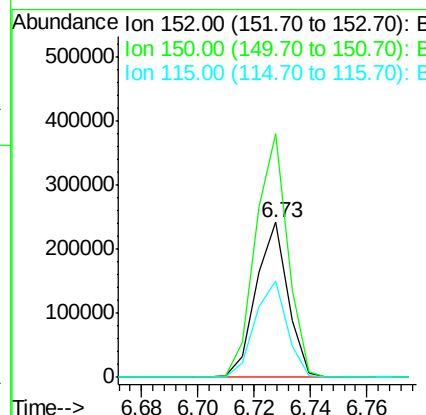
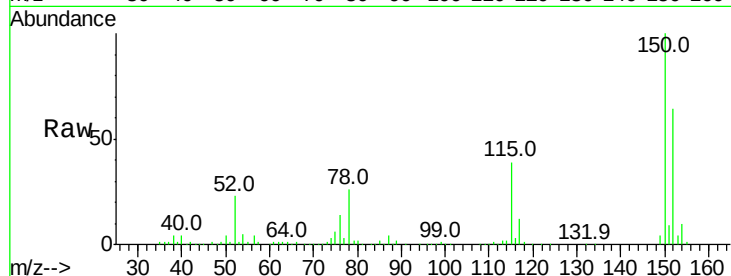
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	61.8	50.1	75.1

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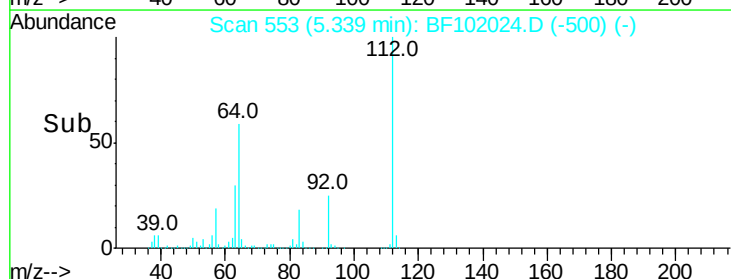
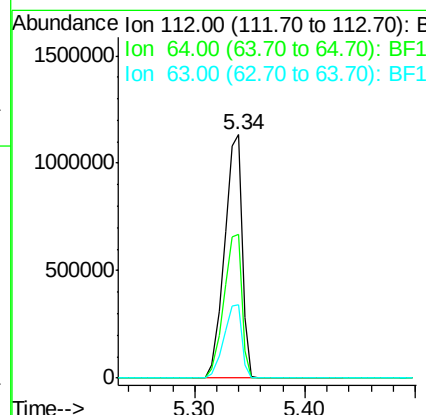
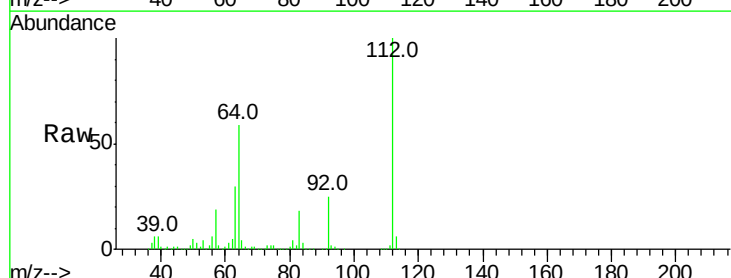
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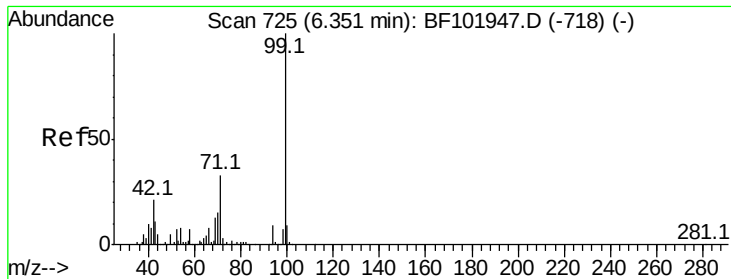


#5

2-Fluorophenol
Concen: 94.593 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 89.927 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

ClientSampleId :

EPE-121-1(10-12)

Tot Ion: 99 Resp: 1430935

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

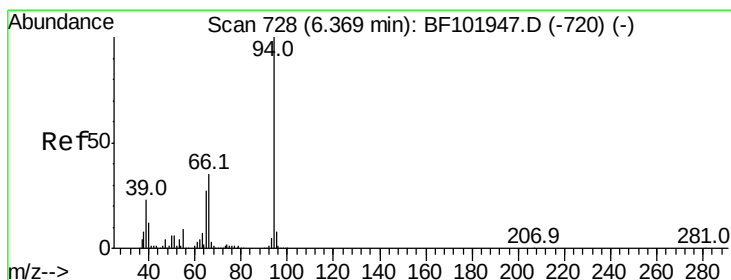
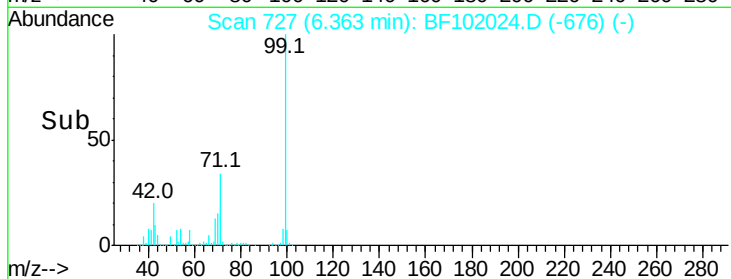
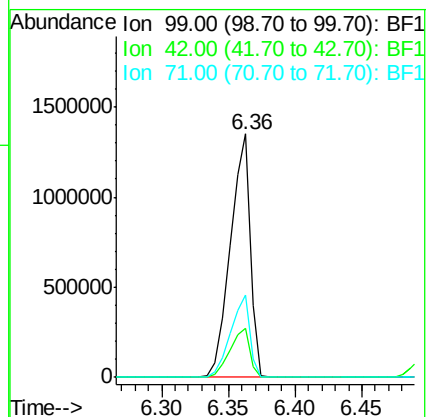
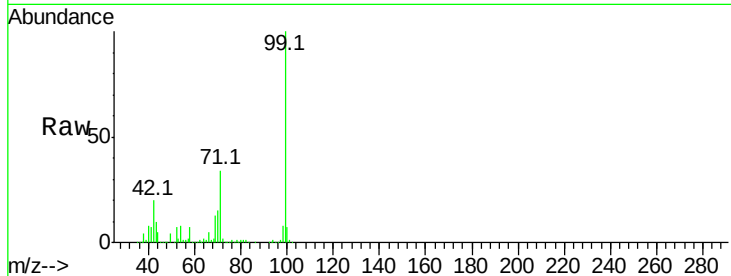
71 33.6 25.4 38.0

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#10

Phenol

Concen: 3.451 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

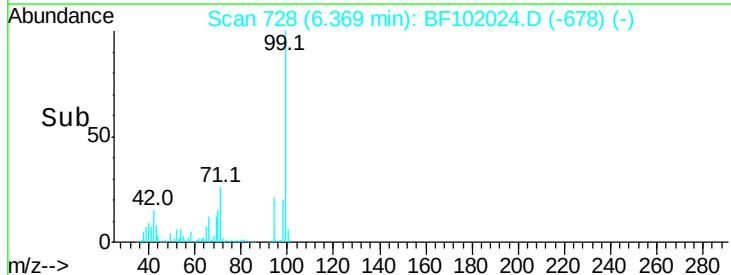
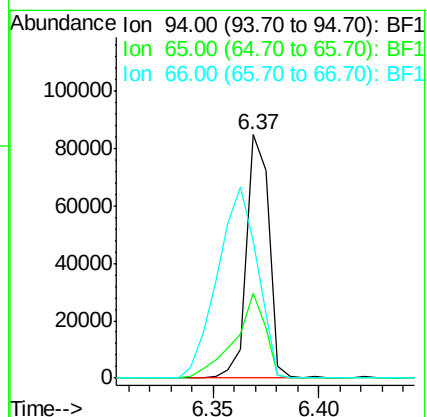
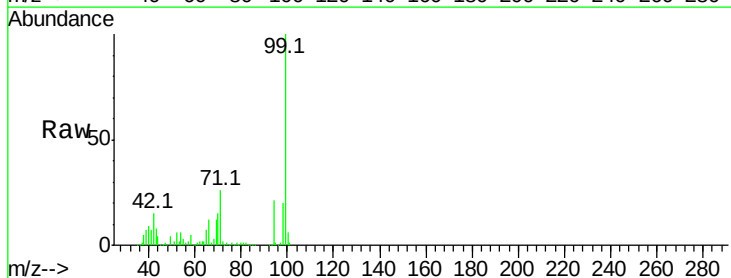
Tgt Ion: 94 Resp: 62058

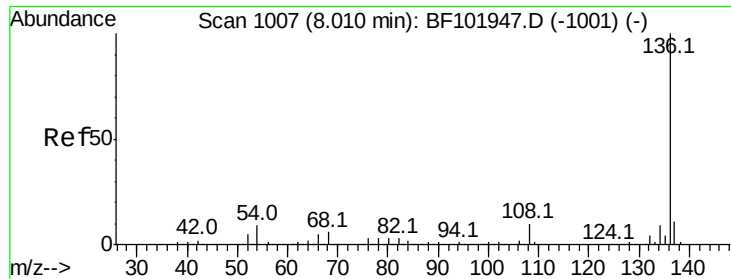
Ion Ratio Lower Upper

94 100

65 34.8 7.9 47.9

66 56.5 16.2 56.2#





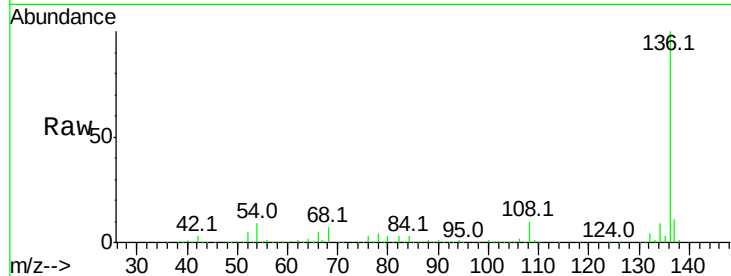
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

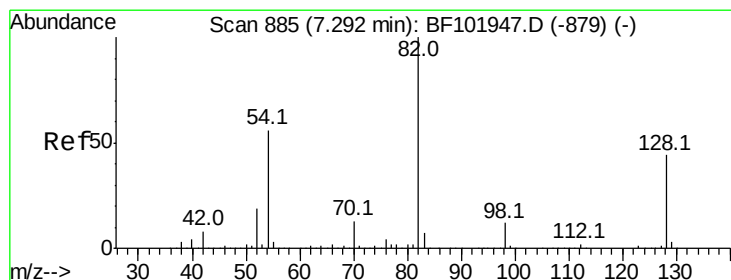
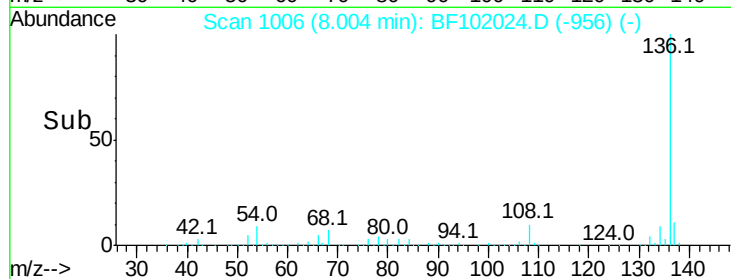
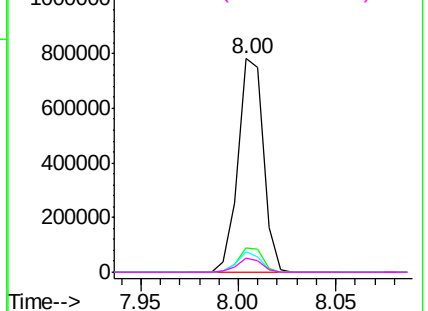
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	9.4	6.6	9.8	
68	6.7	5.0	7.4	

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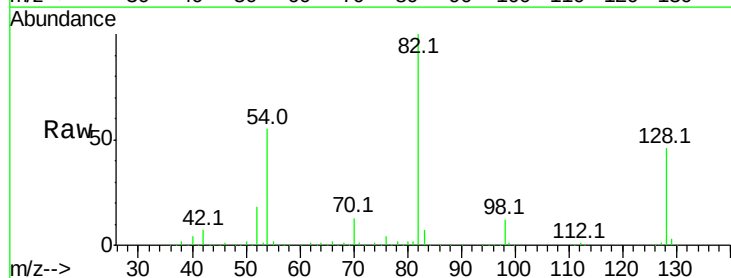


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

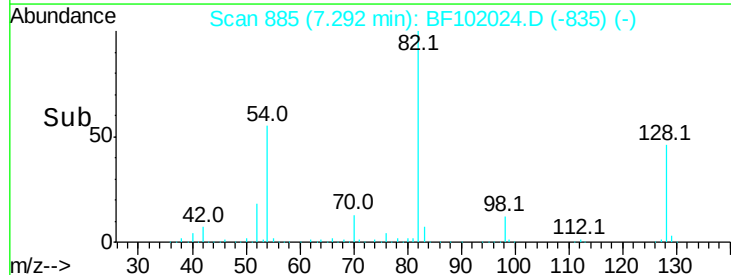
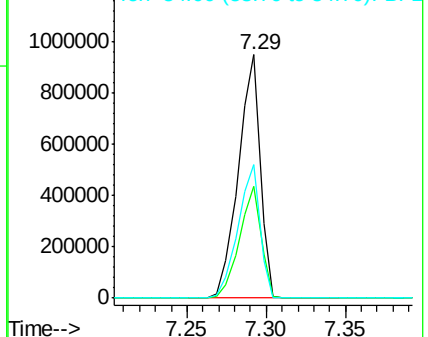


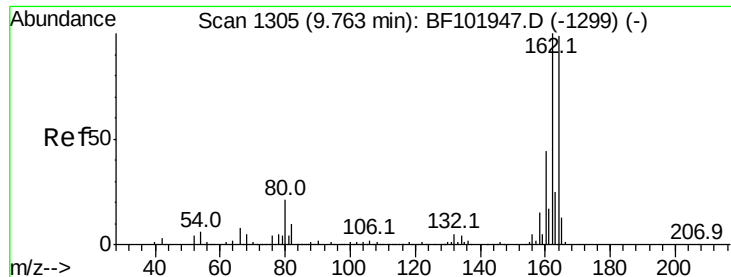
#23
Nitrobenzene-d5
Concen: 75.530 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	36.1	54.1	
54	54.8	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





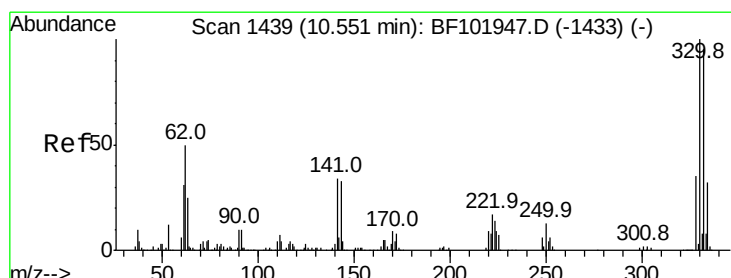
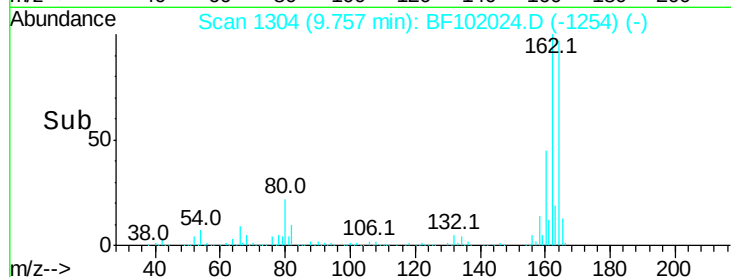
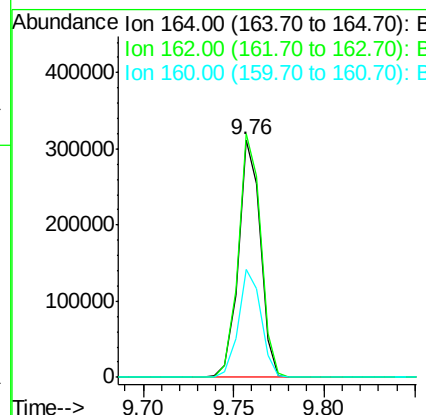
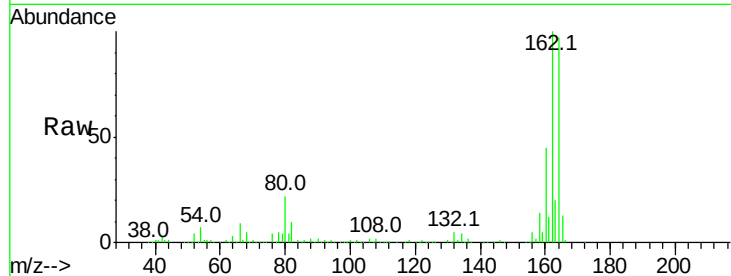
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	45.7	38.3	57.5

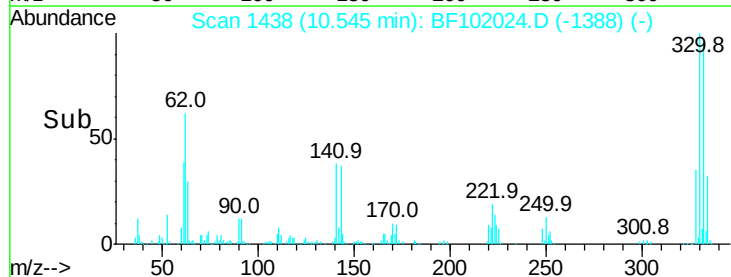
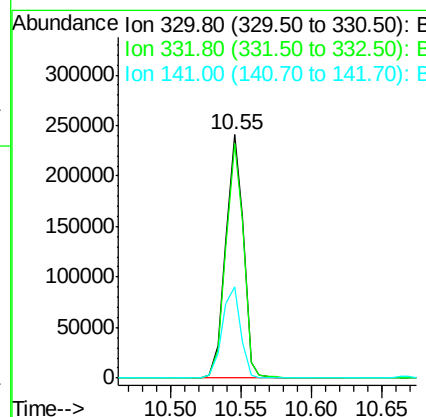
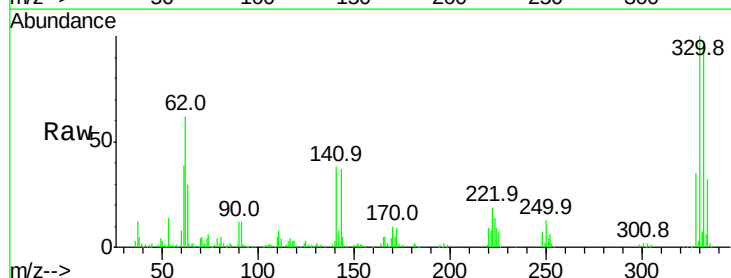
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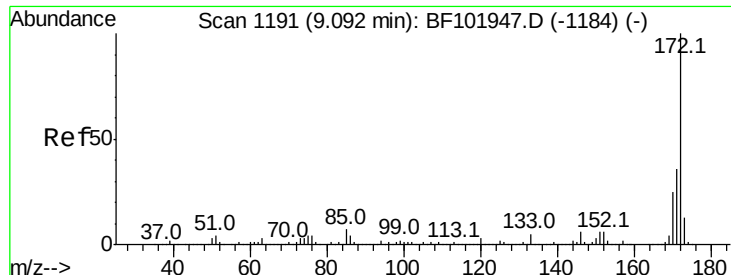
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#41
2,4,6-Tribromophenol
Concen: 91.858 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	39.6	29.9	44.9





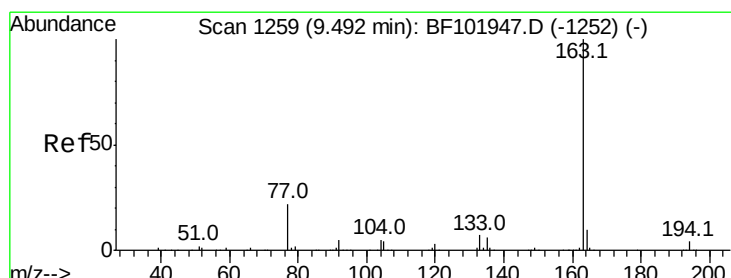
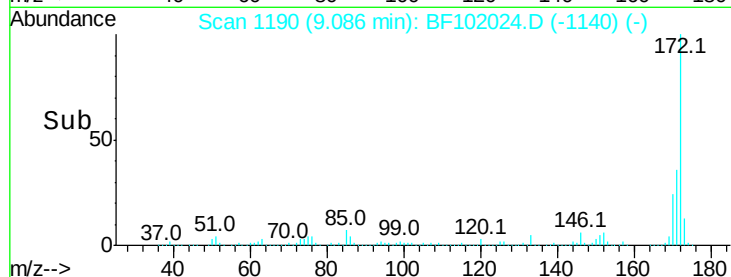
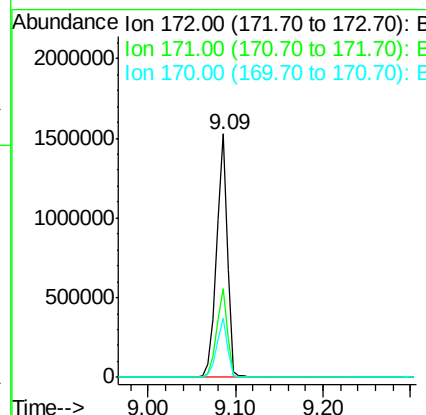
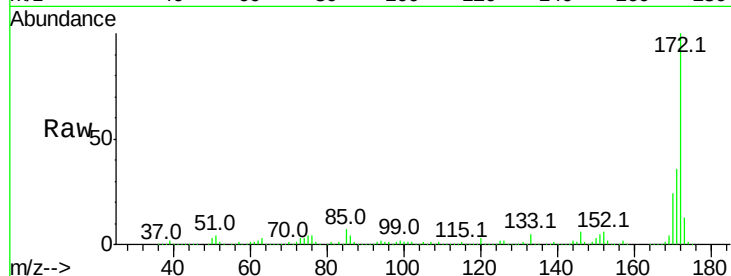
#44
 2-Fluorobiphenyl
 Concen: 78.522 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :
 EPE-121-1(10-12)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.4	19.6	29.4

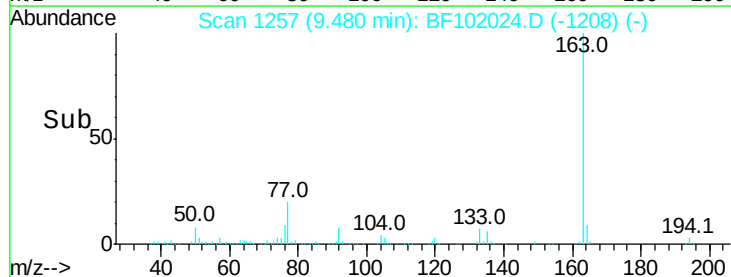
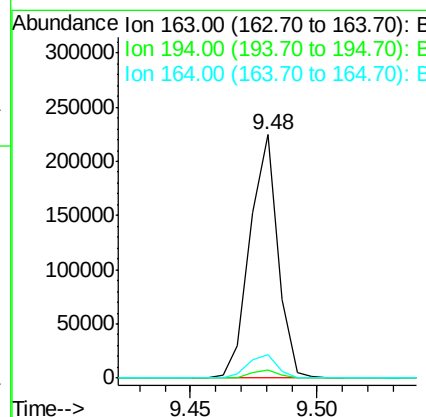
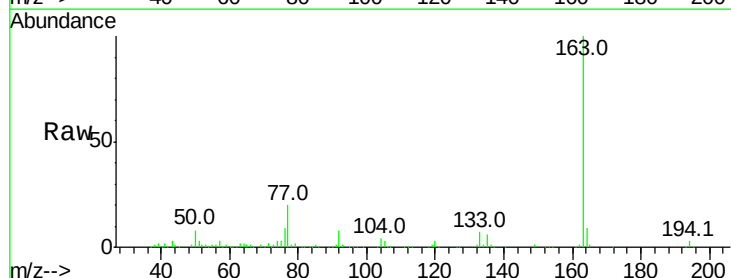
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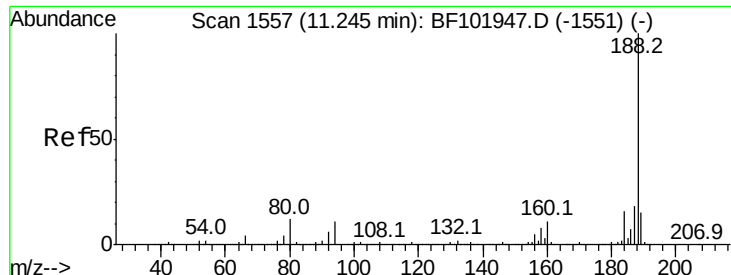
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#49
 Dimethylphthalate
 Concen: 8.200 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.5	8.2	12.2





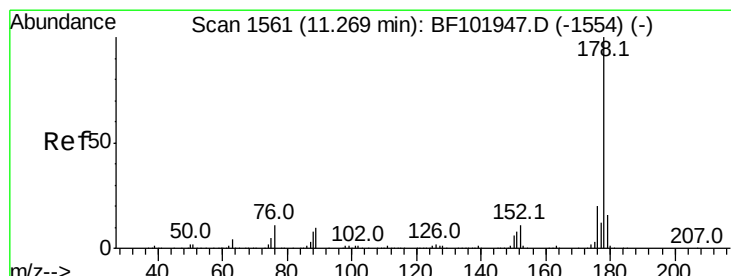
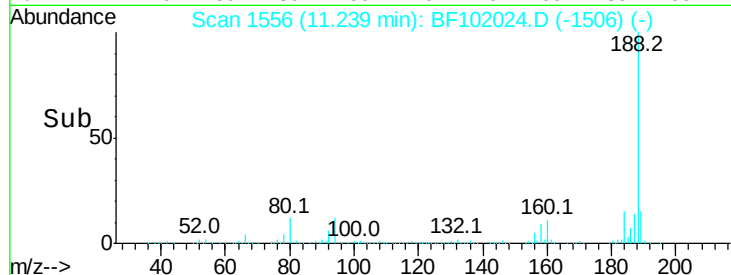
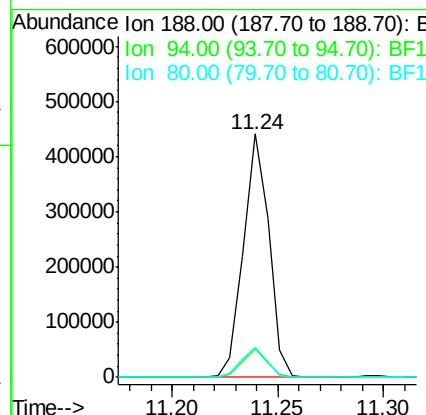
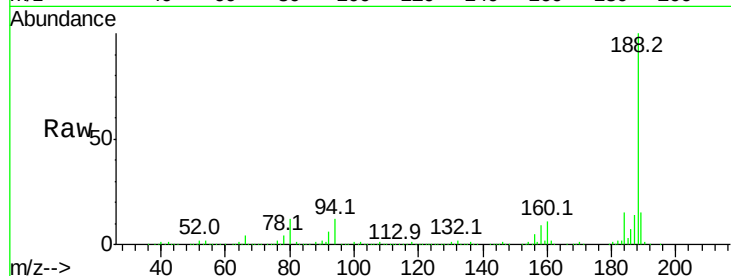
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	368225		
94	11.8		8.5	12.7
80	12.3		9.2	13.8

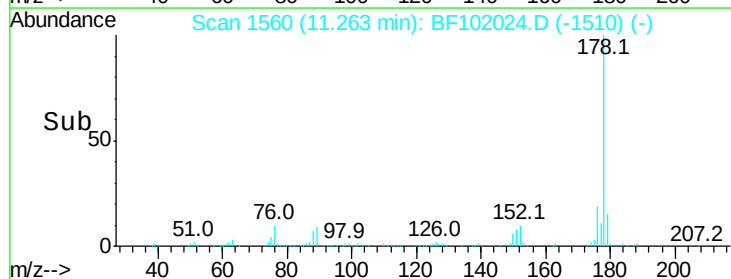
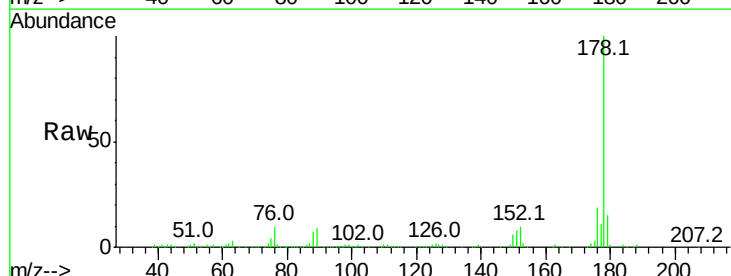
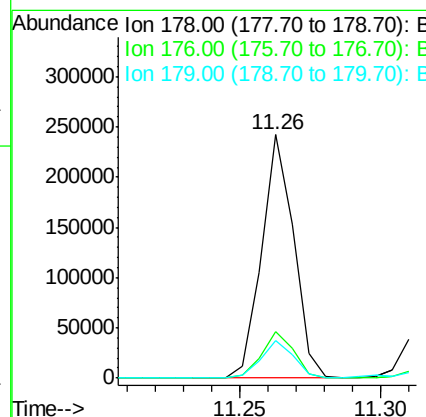
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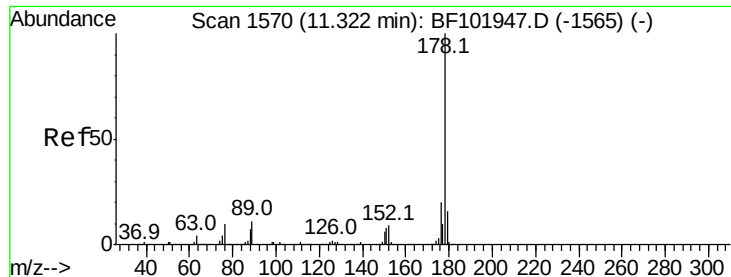
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#70
Phenanthrene
Concen: 8.834 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	190010		
176	18.9		15.8	23.8
179	15.2		13.0	19.6





#71

Anthracene

Concen: 2.071 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

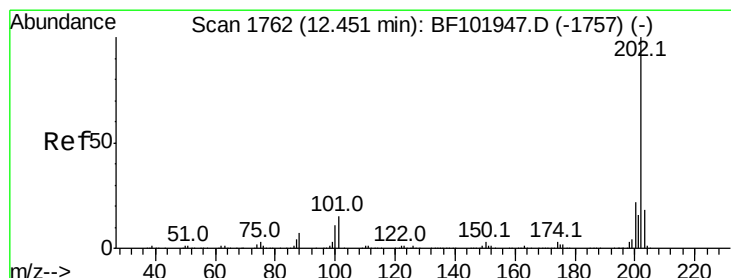
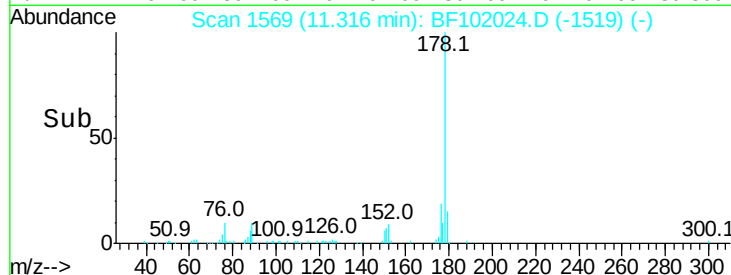
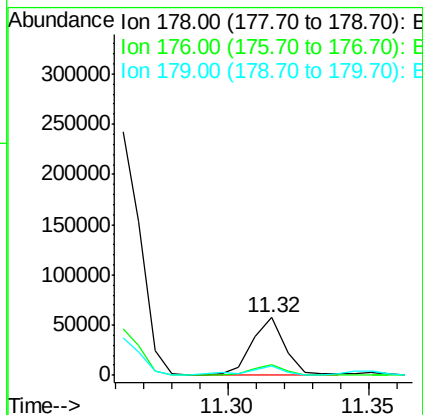
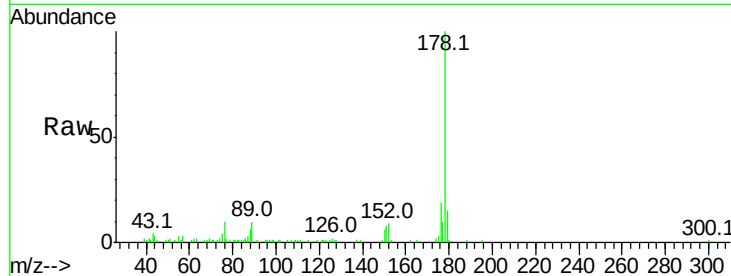
ClientSampleId :

EPE-121-1(10-12)

Tot Ion:	178	Resp:	45182
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.2
179	15.4	12.6	19.0

Manual Integrations
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#74

Fluoranthene

Concen: 10.718 ng

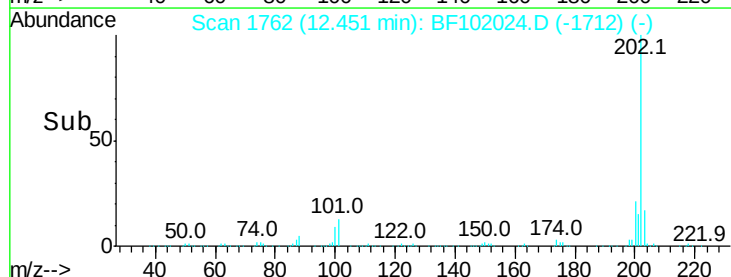
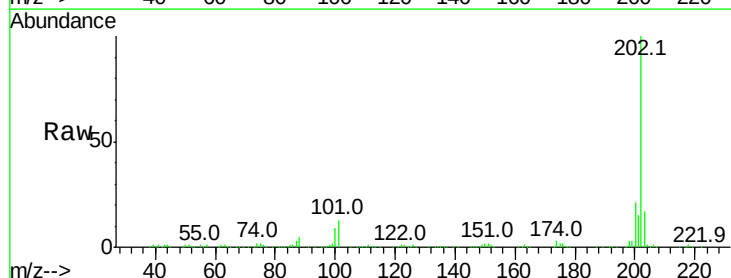
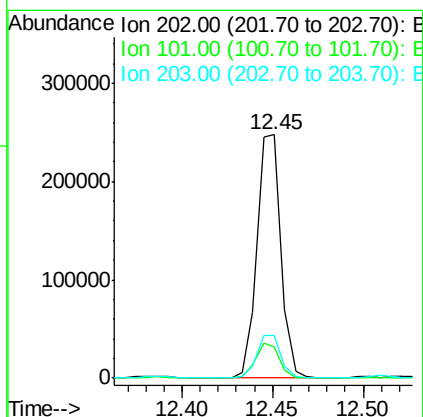
RT: 12.45 min Scan# 1762

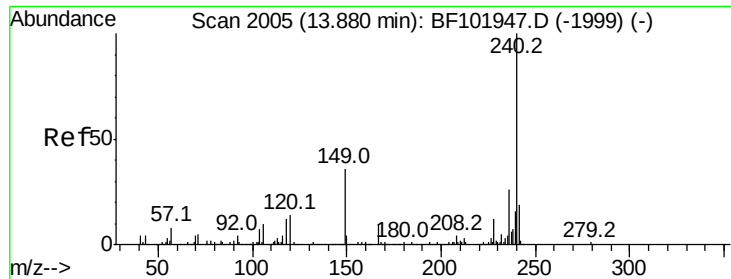
Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Tgt Ion:	202	Resp:	226810
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

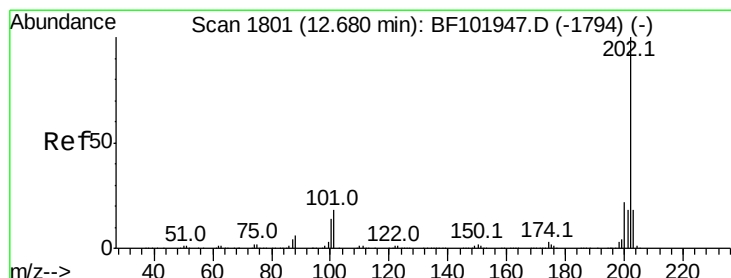
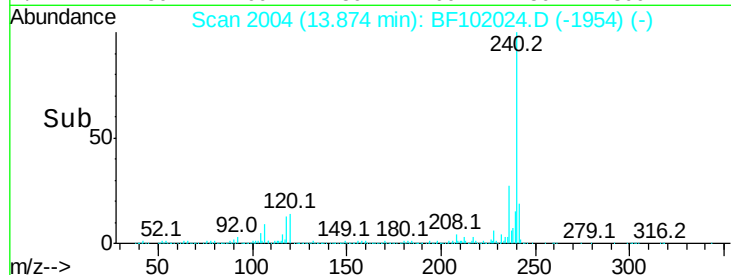
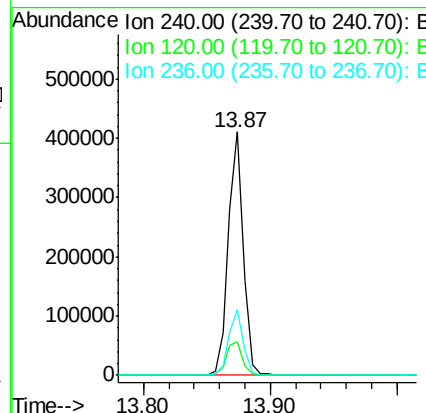
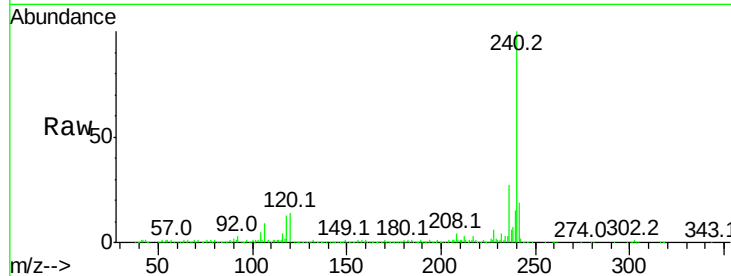
ClientSampleId :

EPE-121-1(10-12)

Tot Ion:	240	Resp:	340392
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	27.2	20.7	31.1

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#77

Pyrene

Concen: 7.882 ng

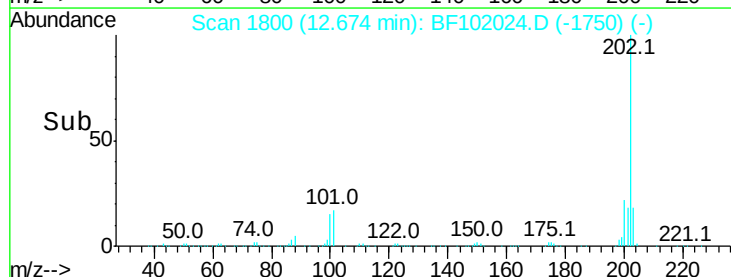
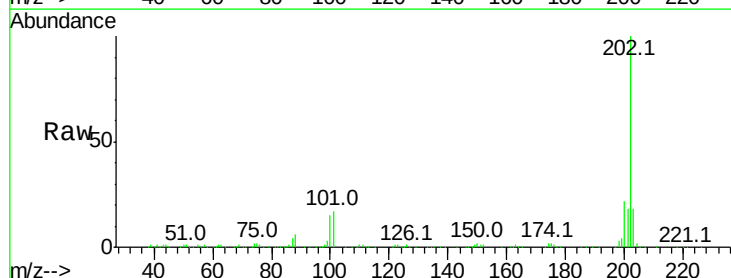
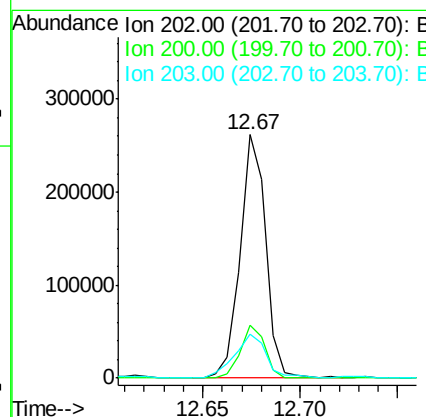
RT: 12.67 min Scan# 1800

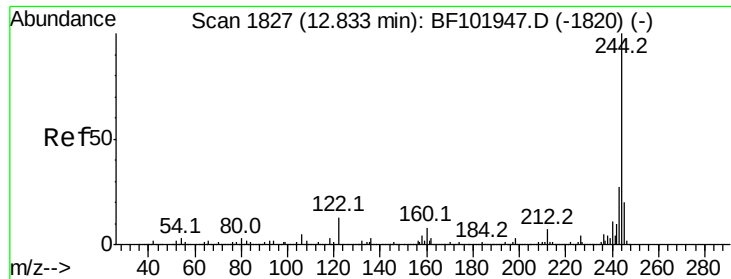
Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Tgt Ion:	202	Resp:	237158
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 52.455 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

ClientSampleId :

EPE-121-1(10-12)

Tot Ion:244 Resp: 859972

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

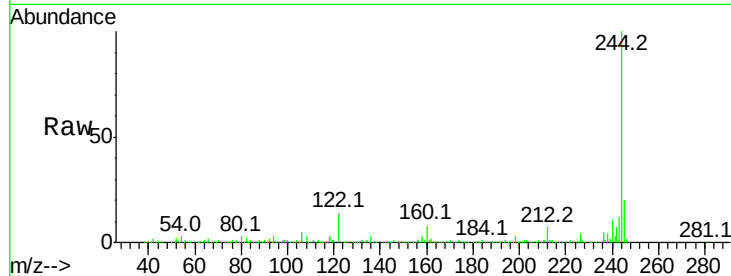
122 14.3 11.0 16.4

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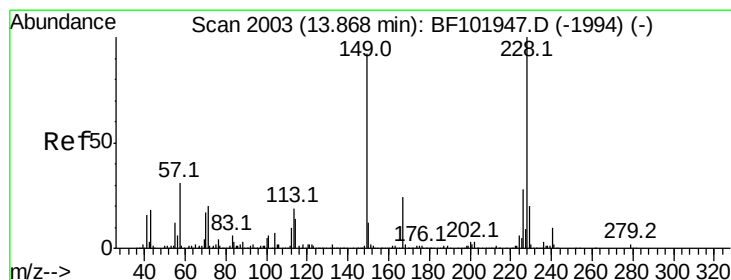
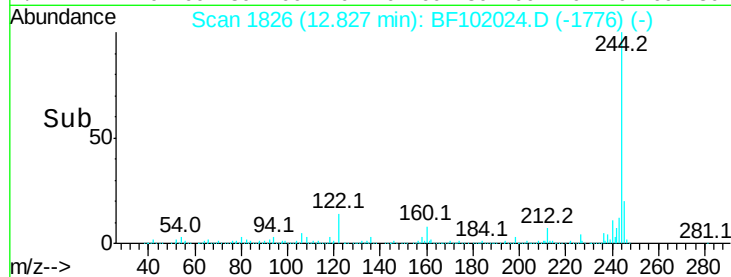
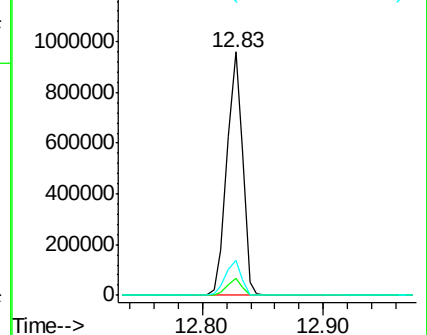
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.046 ng m

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

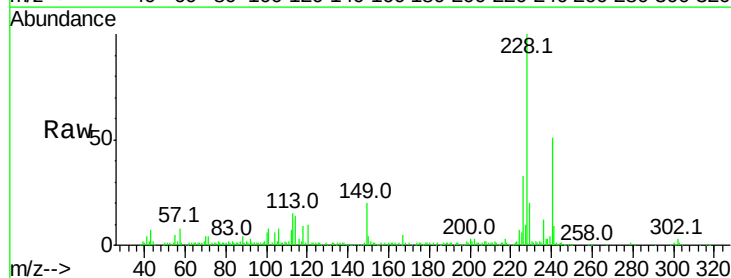
Tgt Ion:228 Resp: 131316

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

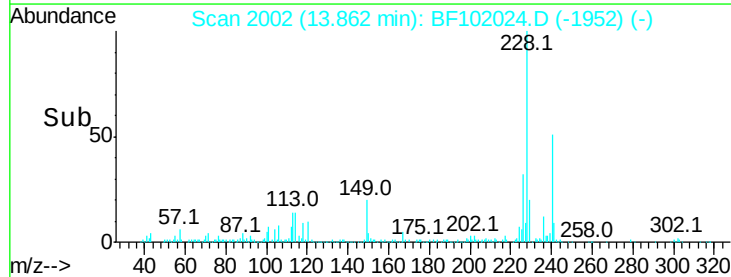
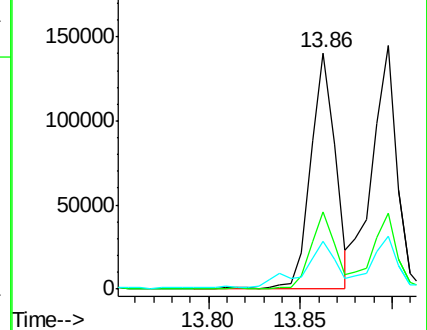
229 20.3 15.8 23.6

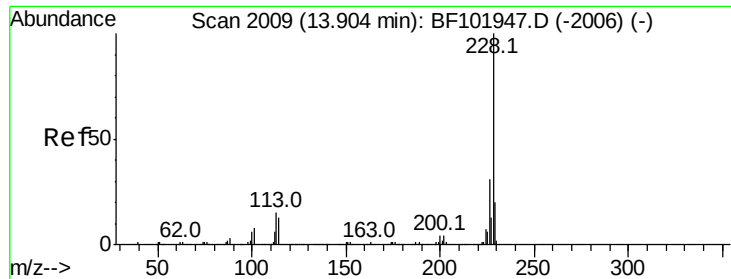


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





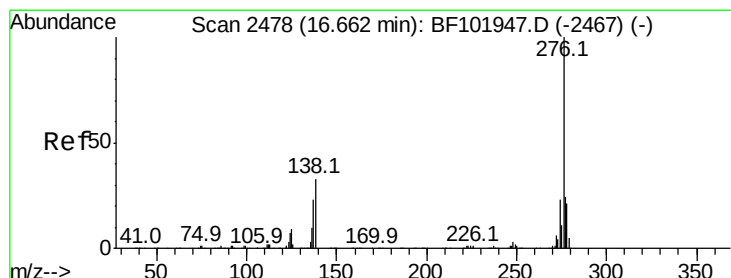
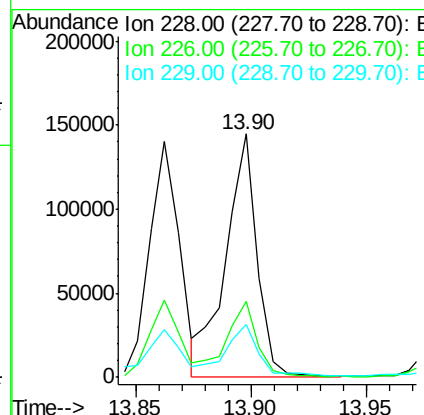
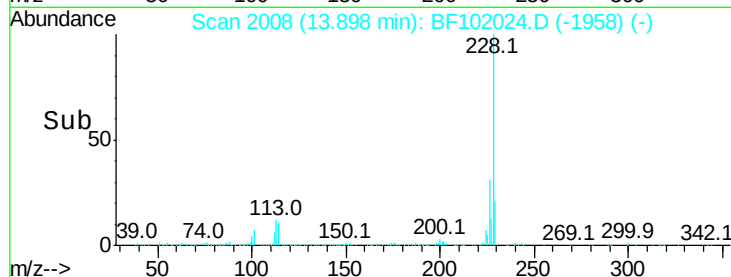
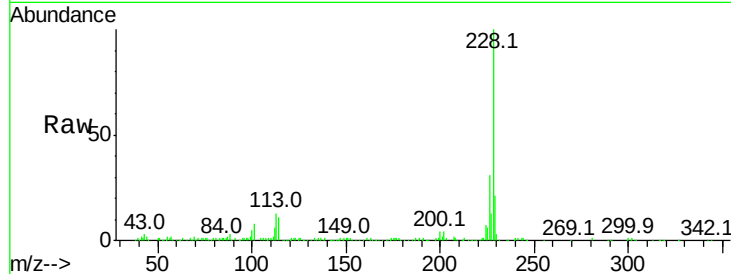
#82
Chrysene
Concen: 6.025 ng/mL
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.5	16.2	24.4

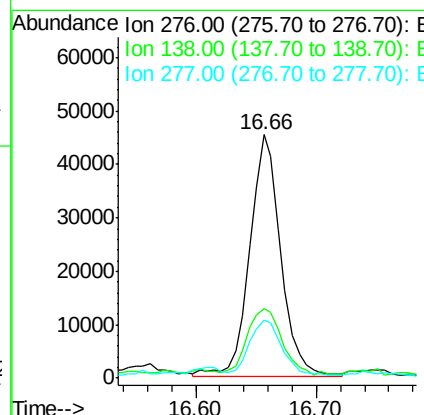
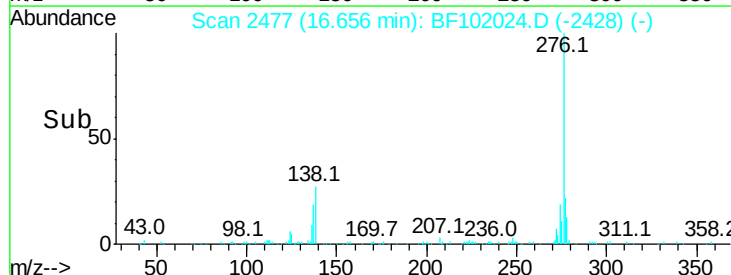
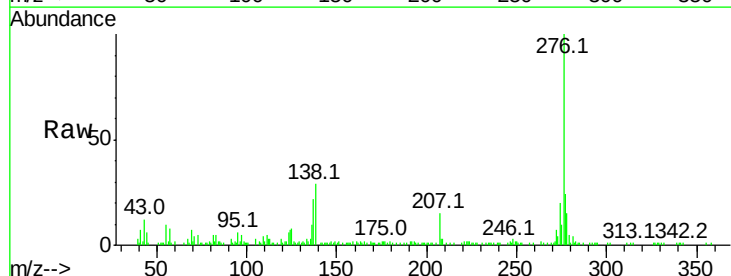
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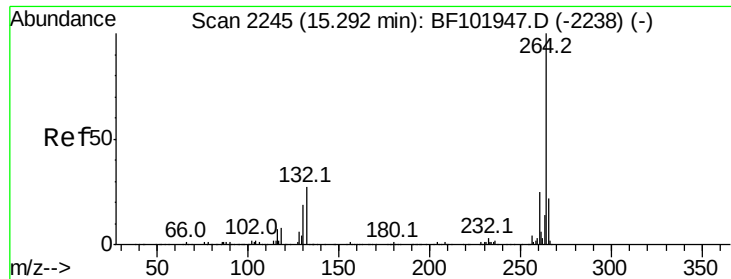
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.938 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.1	25.0	37.6
277	23.7	20.1	30.1





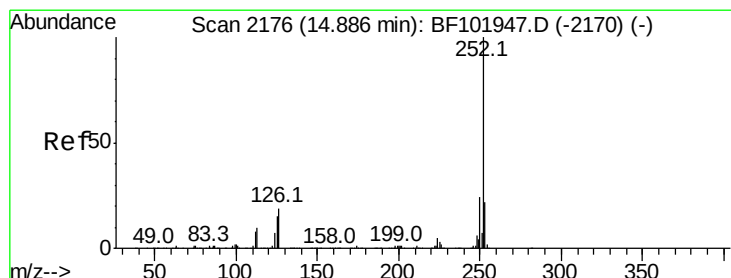
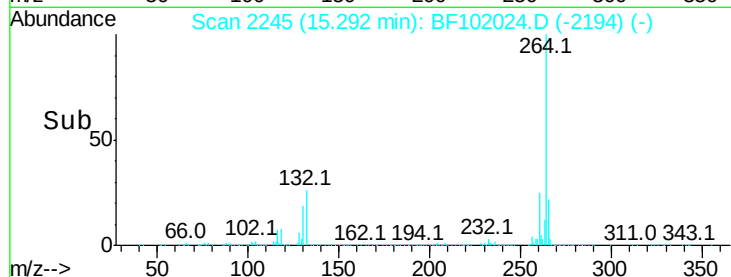
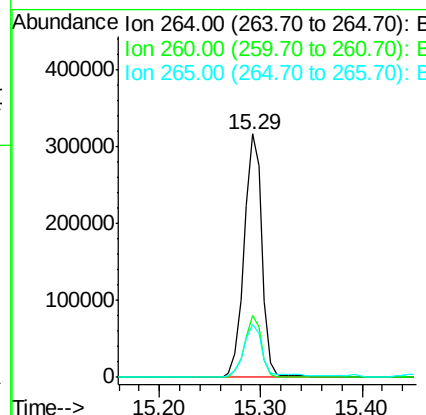
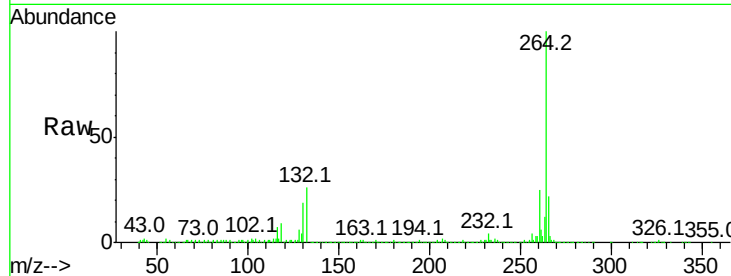
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.8	17.5	26.3

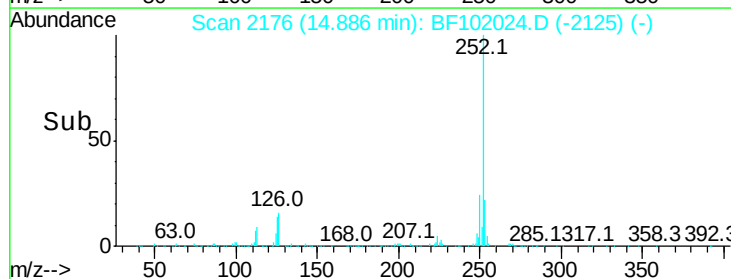
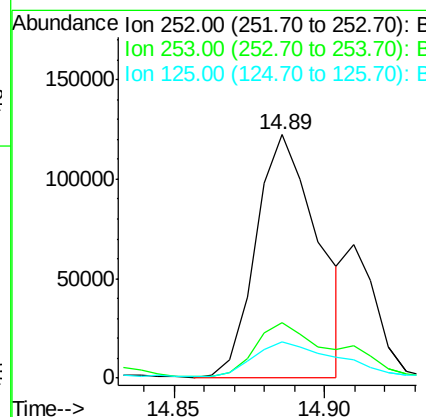
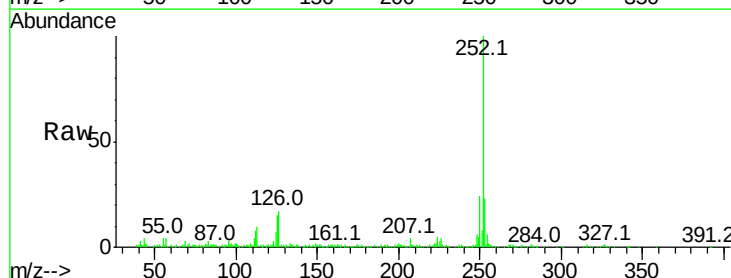
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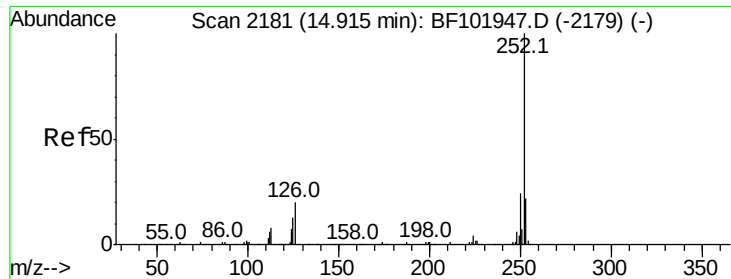
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#87
Benzo(b)fluoranthene
Concen: 6.944 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	15.1	9.0	13.6





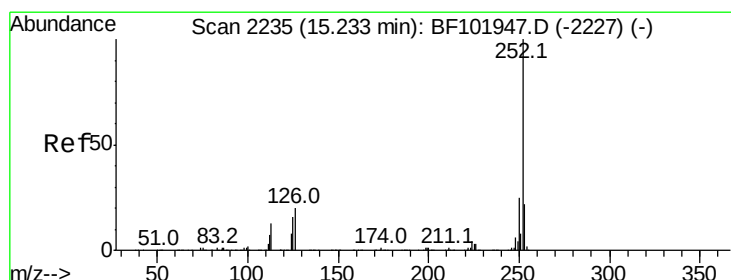
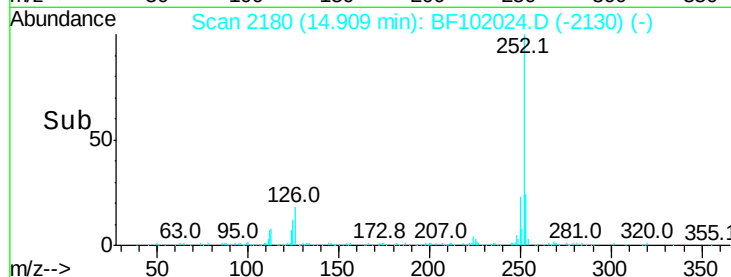
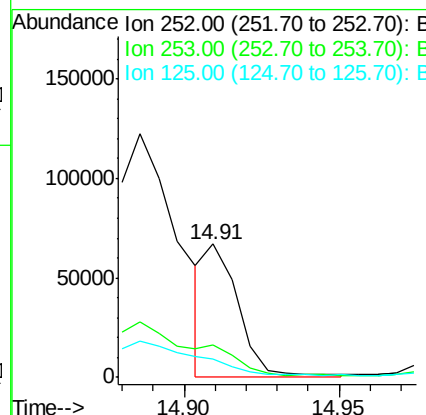
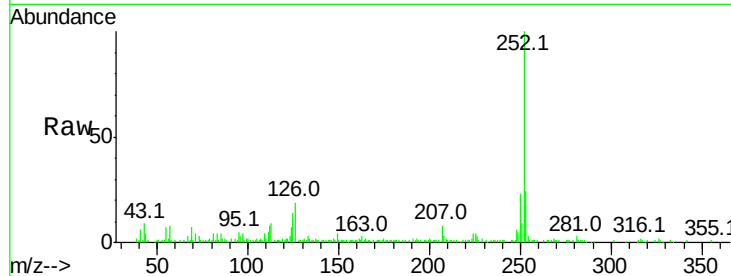
#88
Benzo(k)fluoranthene
Concen: 2.057 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	13.7	10.2	15.2

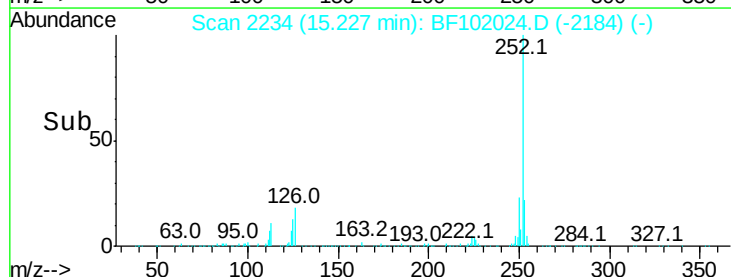
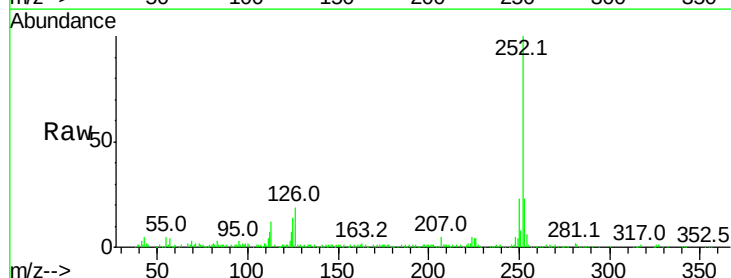
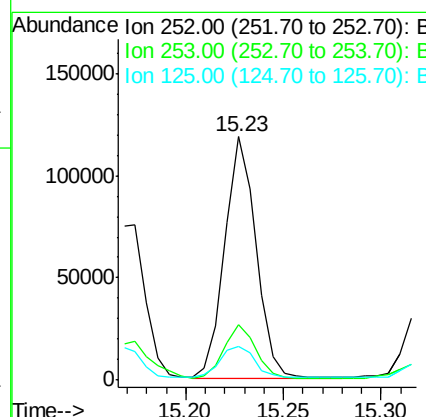
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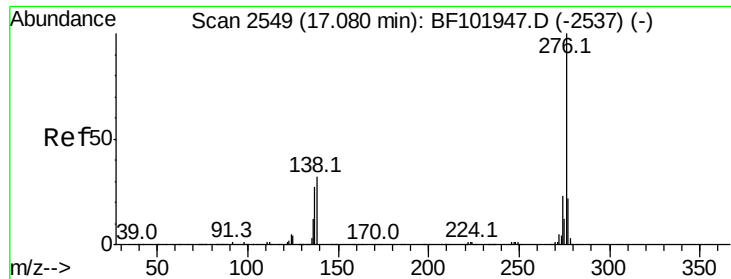
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#89
Benzo(a)pyrene
Concen: 5.906 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	14.0	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.231 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :
 EPE-121-1(10-12)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	30.0	21.8	32.8

Manual Integrations
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