

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121107.D
 Acq On : 29 Jul 2020 17:55
 Operator : JU/CG
 Sample : L3181-06 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-072720

Manual Integrations
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Quant Time: Jul 29 18:21:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	154552	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	569142	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	295770	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	521779	20.00	ng	0.00
76) Chrysene-d12	13.96	240	381587	20.00	ng	0.00
86) Perylene-d12	15.40	264	440397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	193793	20.56	ng	0.00
7) Phenol-d6	6.43	99	236509	19.42	ng	-0.01
23) Nitrobenzene-d5	7.36	82	139362	14.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	64627	19.96	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	304709	15.38	ng	0.00
79) Terphenyl-d14	12.90	244	268325	15.29	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	132249	4.928	ng	98
75) Fluoranthene	12.53	202	242654	8.158	ng	99
78) Pyrene	12.76	202	219383	8.132	ng	99
81) Benzo(a)anthracene	13.94	228	137591	5.955	ng	95
83) Chrysene	13.98	228	125585	5.172	ng	98
87) Indeno(1,2,3-cd)pyrene	16.82	276	86890	2.837	ng	97
88) Benzo(b)fluoranthene	14.99	252	184985m	6.949	ng	
89) Benzo(k)fluoranthene	15.01	252	48823m	2.011	ng	
90) Benzo(a)pyrene	15.34	252	128019	5.271	ng	99
92) Benzo(g,h,i)perylene	17.24	276	79246	3.212	ng	99

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

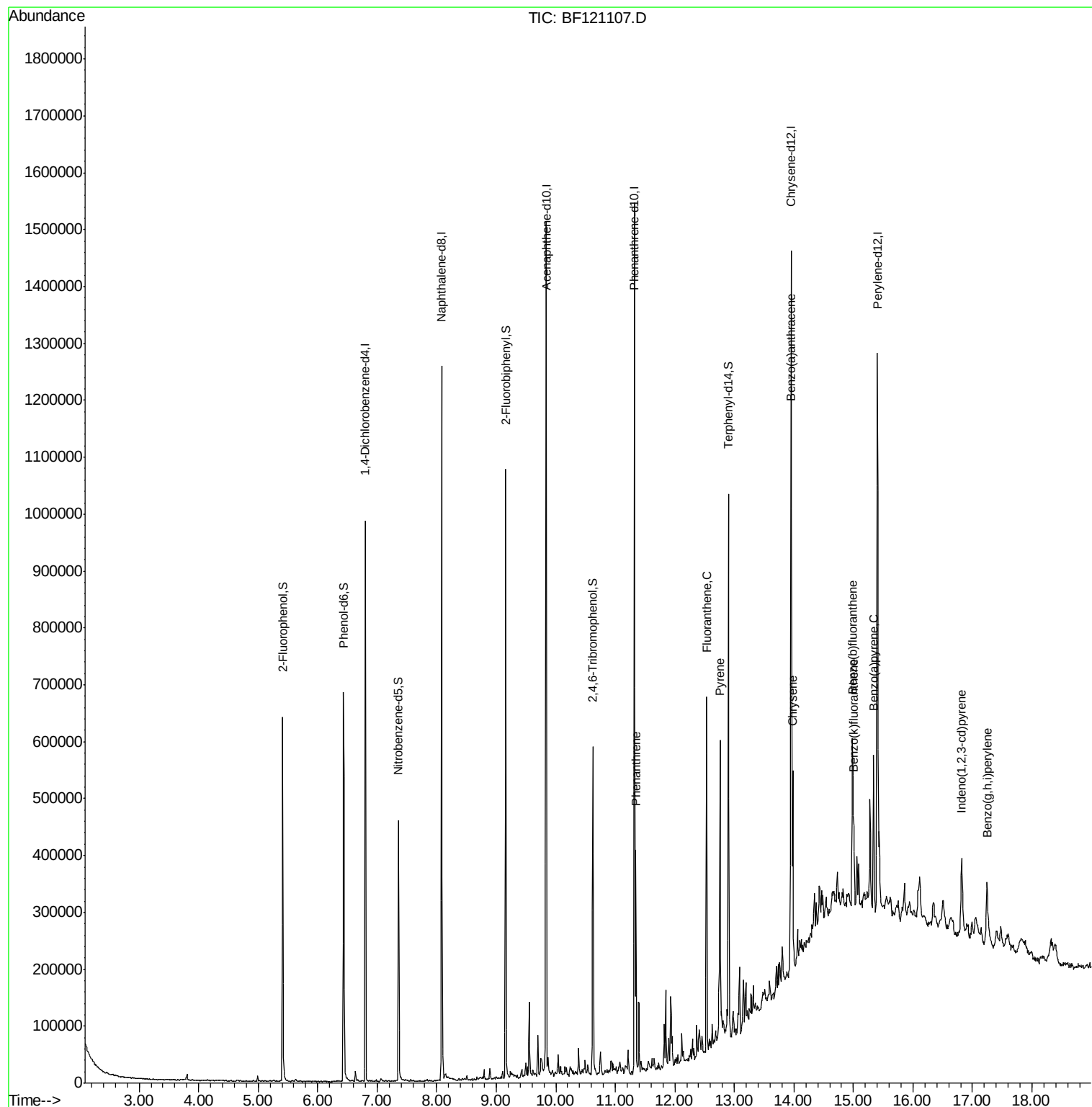
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121107.D
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Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

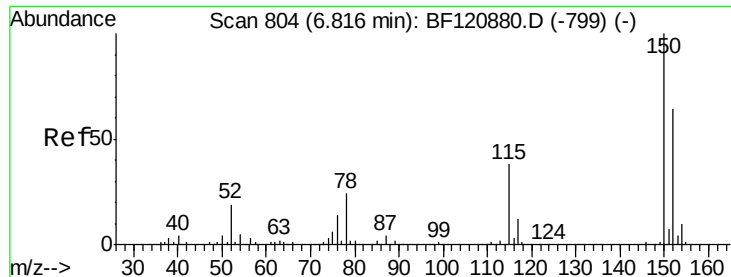
Instrument :
BNA_F
ClientSampleId :
CL-01-072720

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Quant Time: Jul 29 18:21:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
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#1

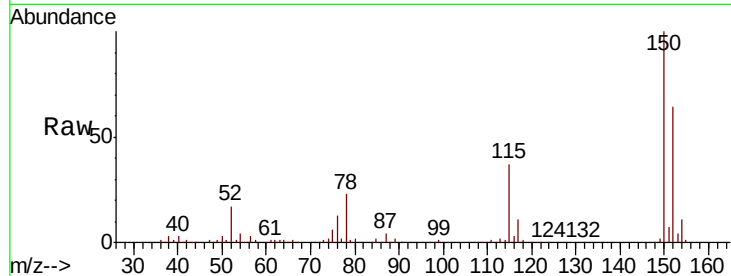
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.6	188.4
115	57.4	46.2	69.2

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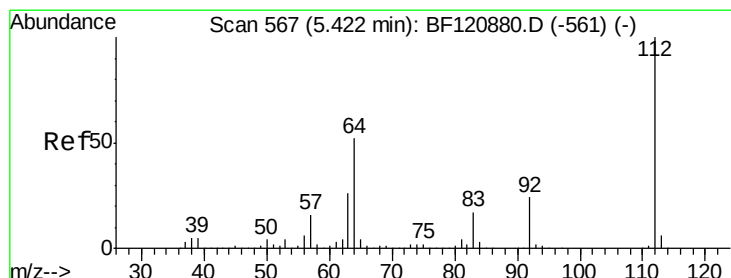
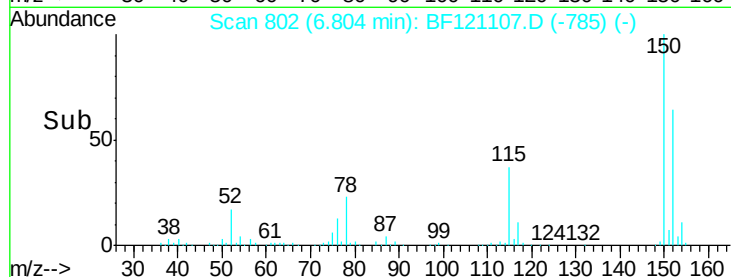
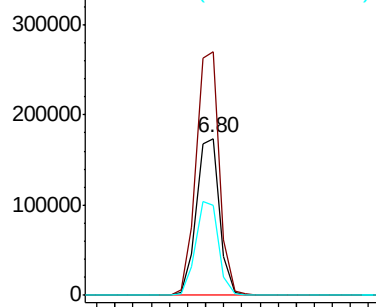


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

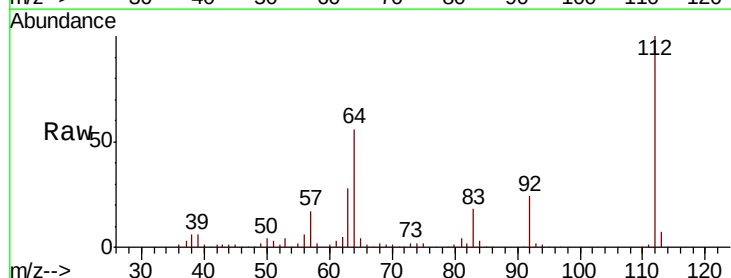
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.556 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	43.9	65.9
63	28.5	22.7	34.1

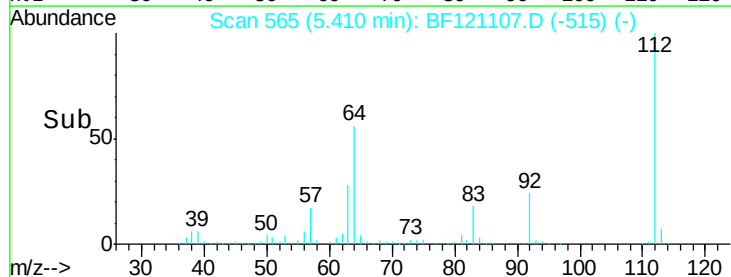
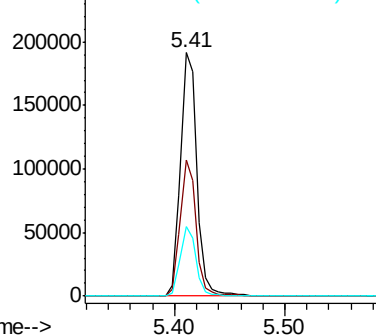


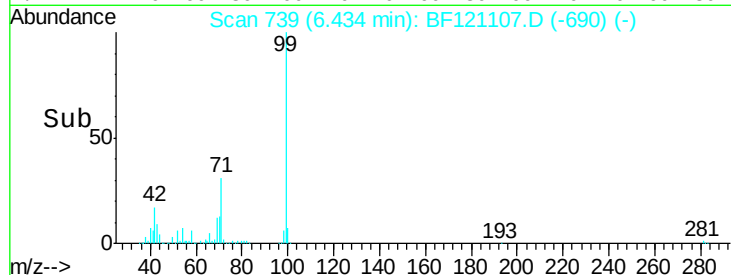
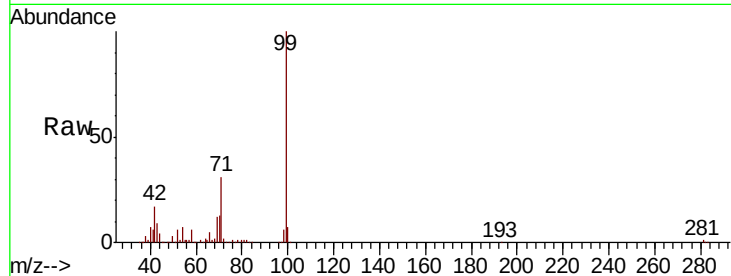
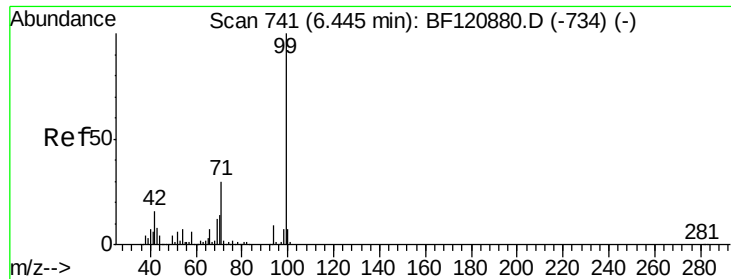
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.421 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		236509		
42	17.3	13.5	20.3		
71	30.5	25.0	37.4		

Instrument :

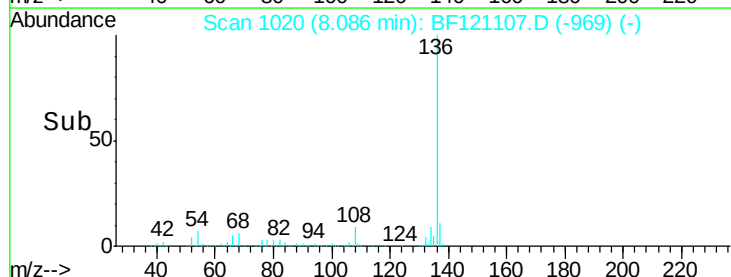
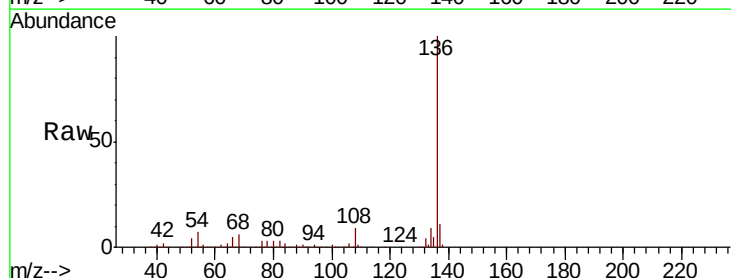
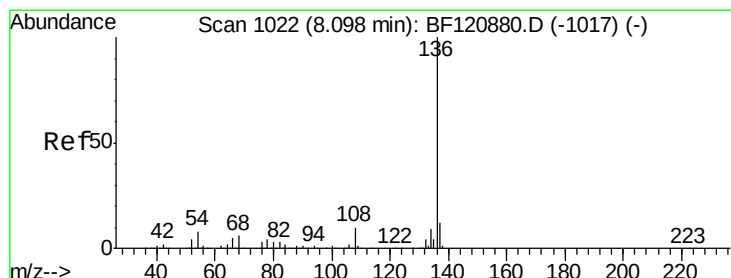
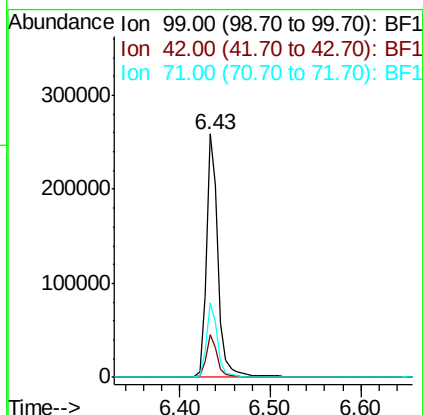
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

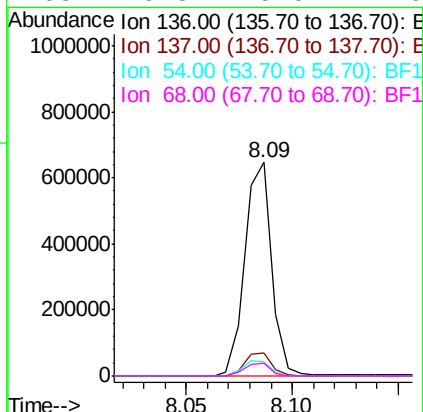
RT: 8.09 min Scan# 1020

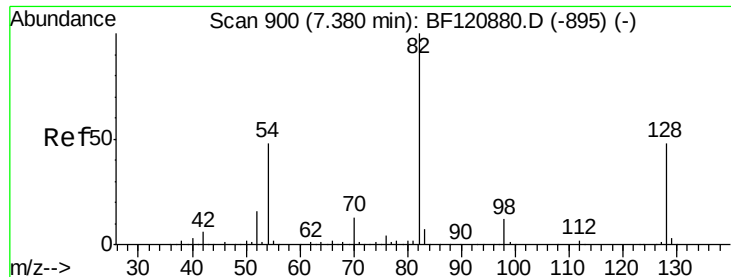
Delta R.T. -0.00 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		569142		
137	10.9	9.0	13.4		
54	6.8	6.1	9.1		
68	5.8	5.0	7.6		





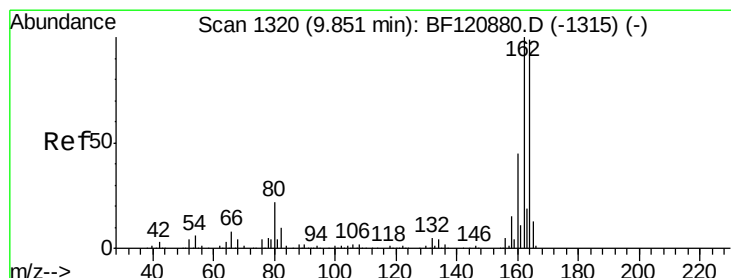
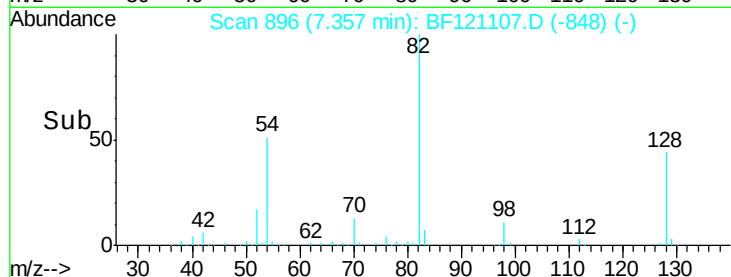
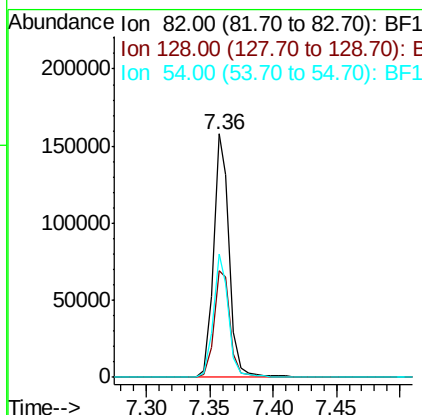
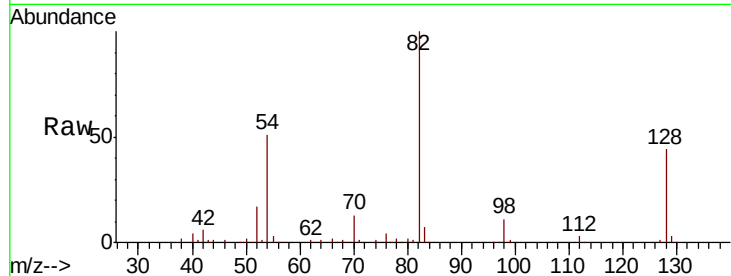
#23
 Nitrobenzene-d5
 Concen: 14.169 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: BF121107.D
 Acq: 29 Jul 2020 17:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-072720

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	39.2	58.8
54	50.7	37.8	56.8

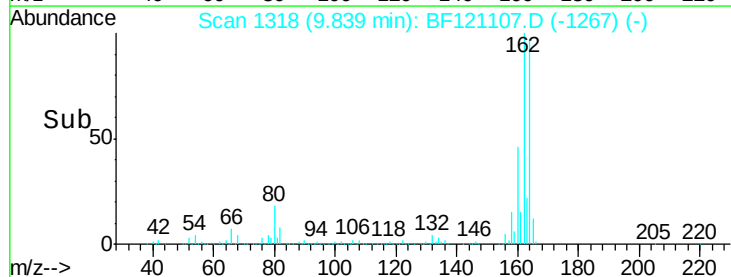
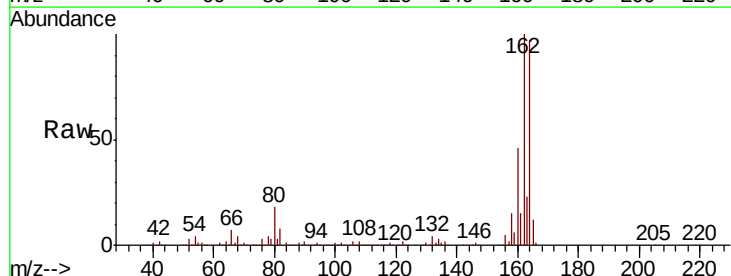
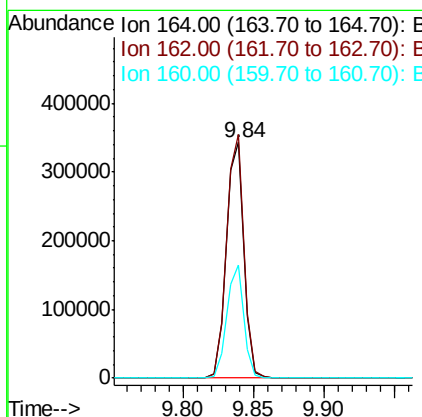
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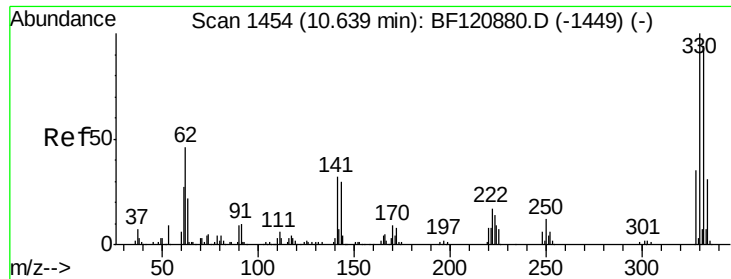
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: BF121107.D
 Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.2	123.2
160	47.8	37.2	55.8





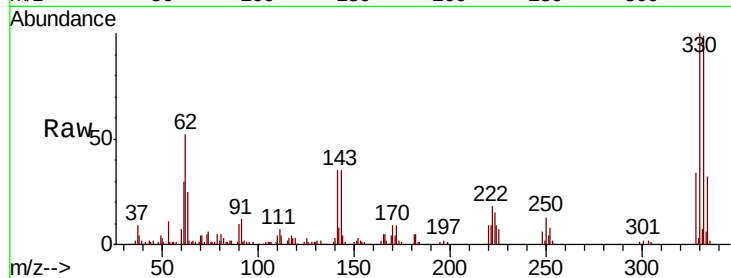
#42
 2,4,6-Tribromophenol
 Concen: 19.962 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121107.D
 Acq: 29 Jul 2020 17:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-072720

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.1	114.1
141	33.1	24.1	36.1

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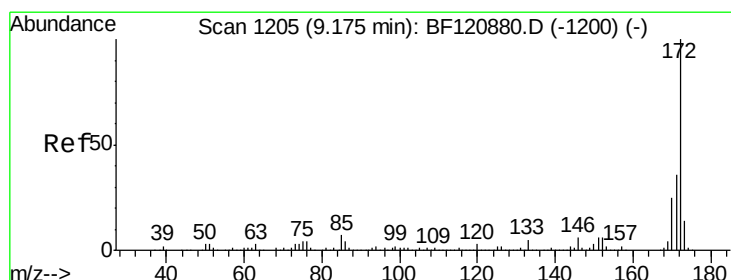
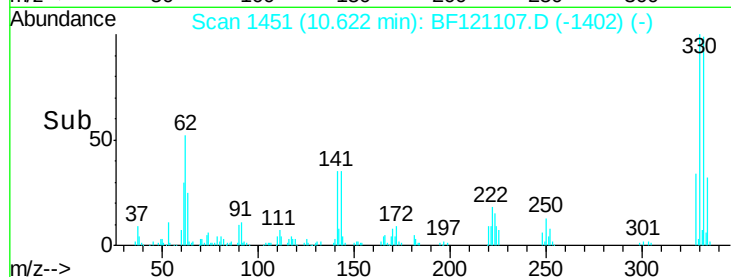
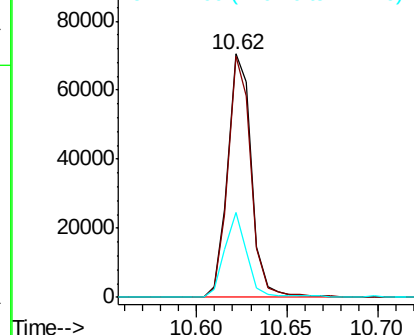


Abundance

Ion 329.80 (329.50 to 330.50): E

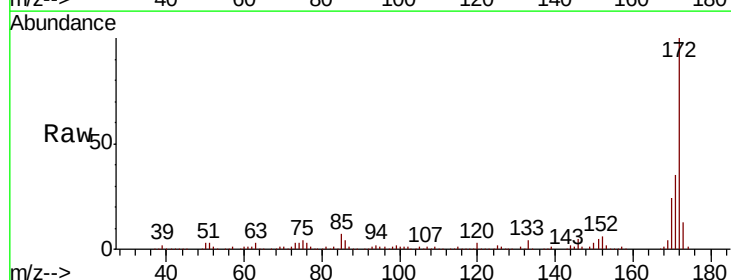
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 15.382 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121107.D
 Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	24.1	19.6	29.4

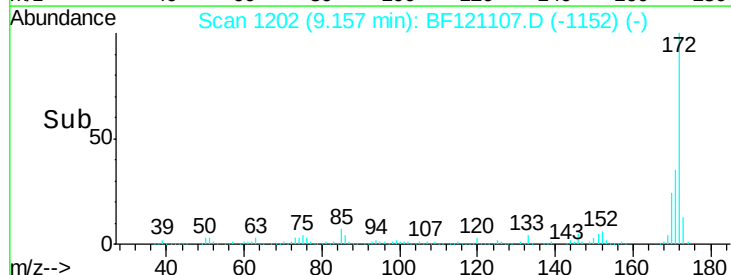
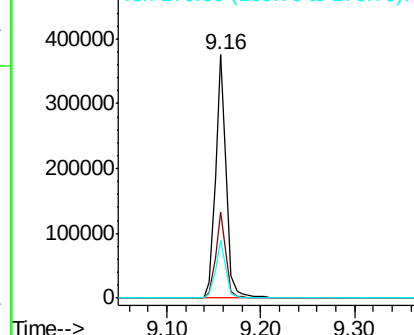


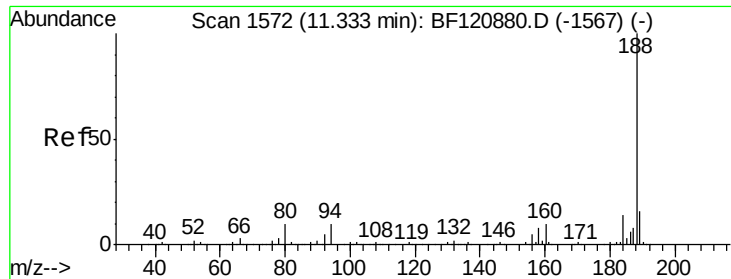
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





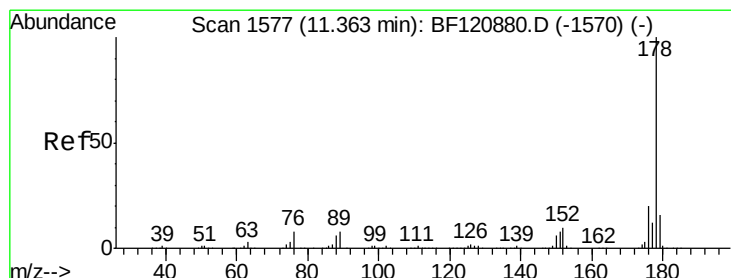
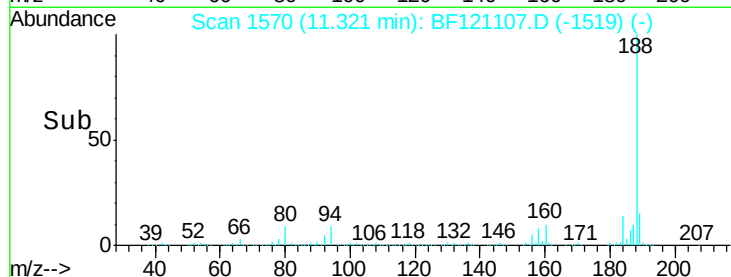
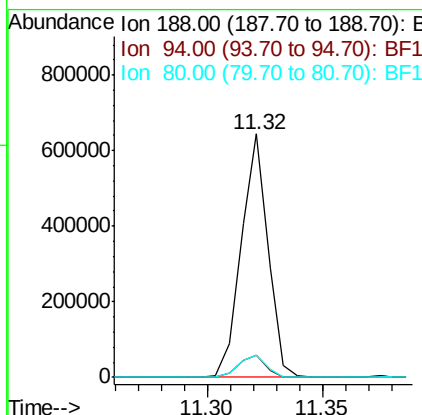
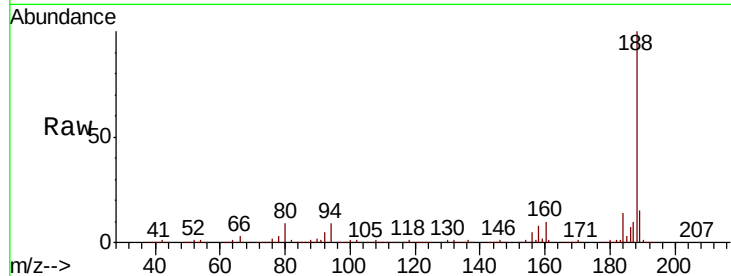
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.3	8.3	12.5

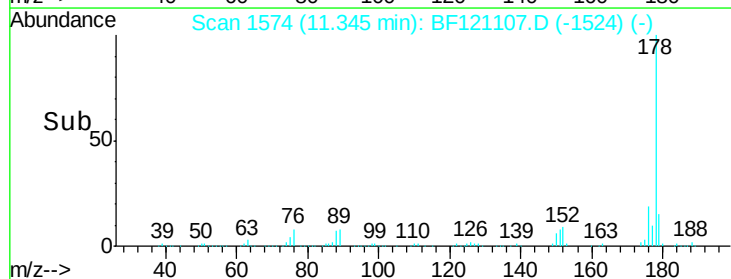
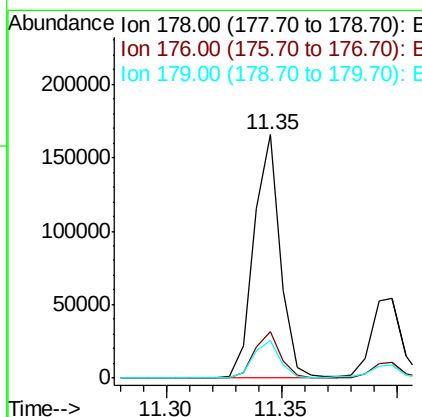
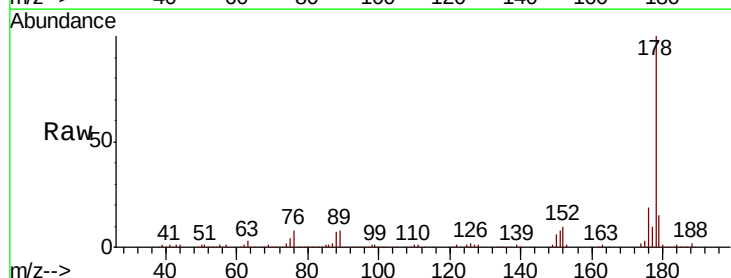
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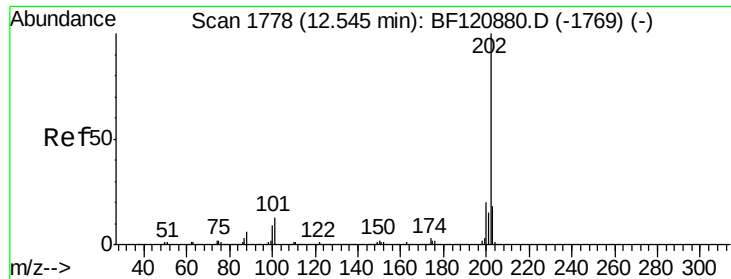
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#71
Phenanthrene
Concen: 4.928 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.2
179	15.3	12.6	19.0





#75

Fluoranthene

Concen: 8.158 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Instrument :

BNA_F

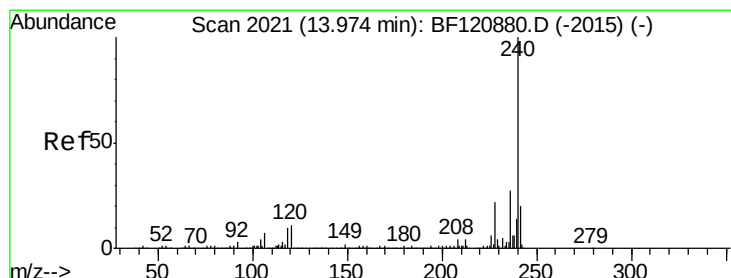
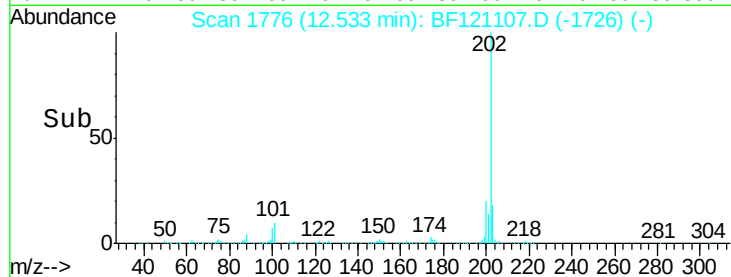
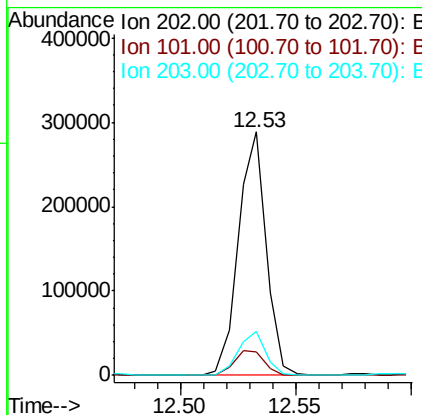
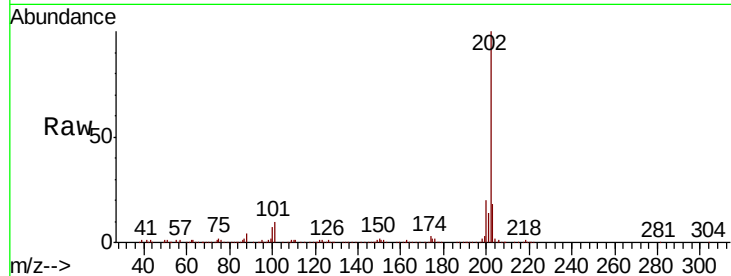
ClientSampleId :

CL-01-072720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		242654		
101	9.8	0.0	30.5		
203	17.9	0.0	37.7		

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#76

Chrysene-d12

Concen: 20.000 ng

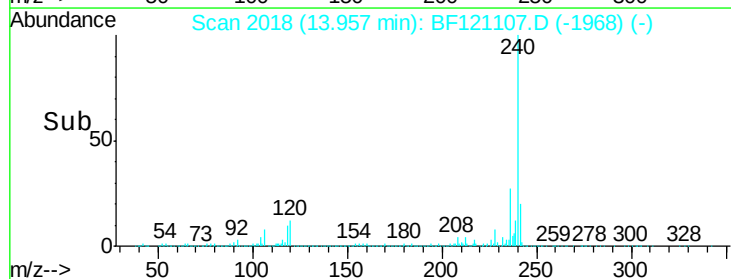
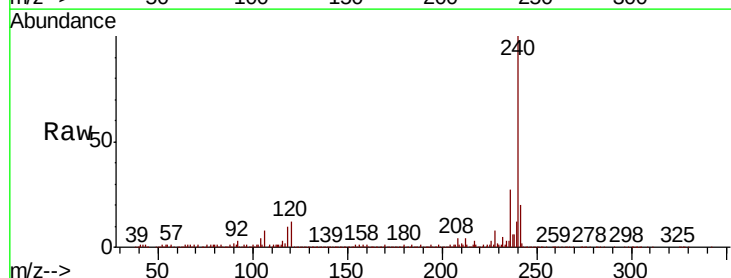
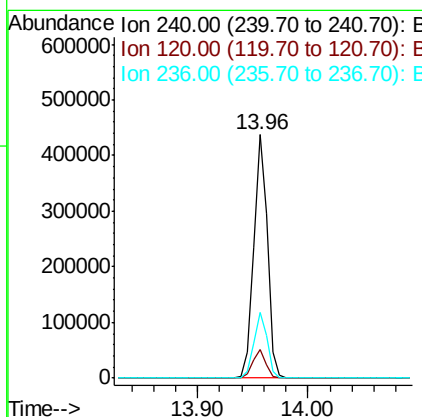
RT: 13.96 min Scan# 2018

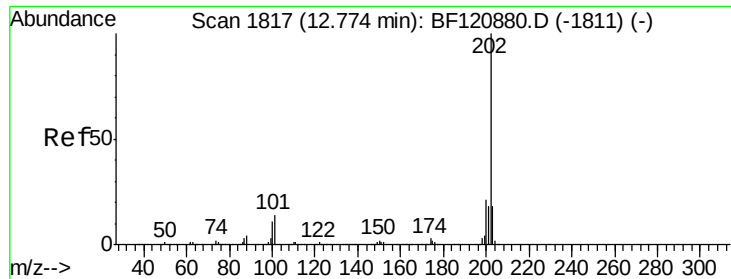
Delta R.T. -0.01 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		381587		
120	11.6	9.3	13.9		
236	26.8	21.1	31.7		





#78

Pvrene

Concen: 8.132 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Instrument :

BNA_F

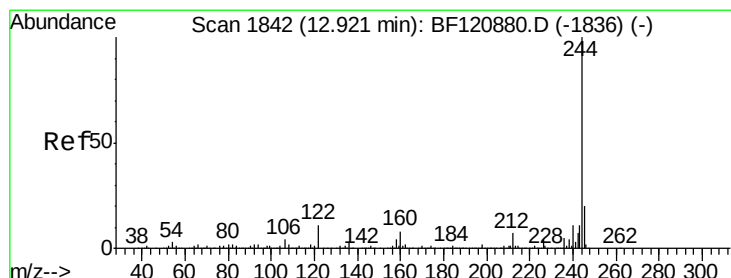
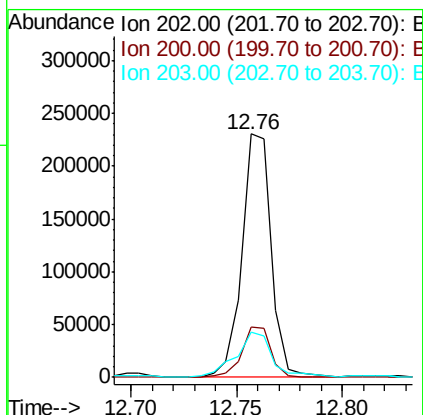
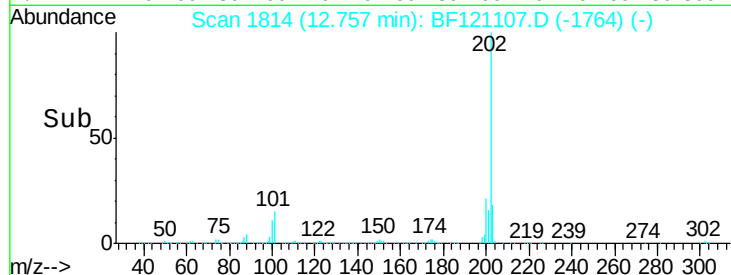
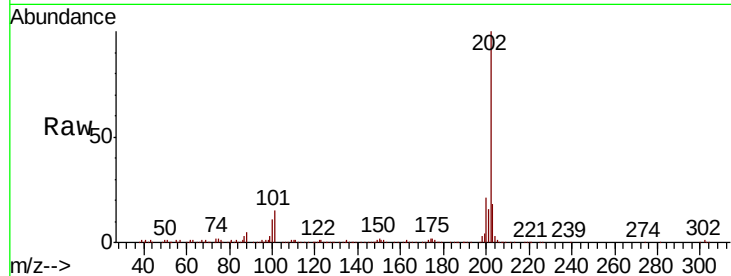
ClientSampleId :

CL-01-072720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		219383		
200	20.8	17.0	25.6		
203	18.4	14.6	21.8		

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#79

Terphenyl-d14

Concen: 15.286 ng

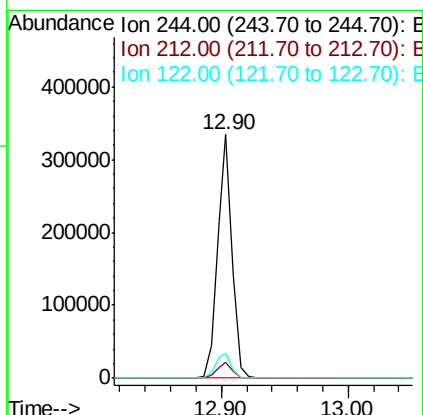
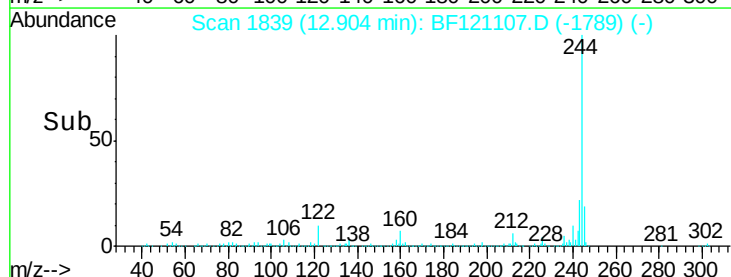
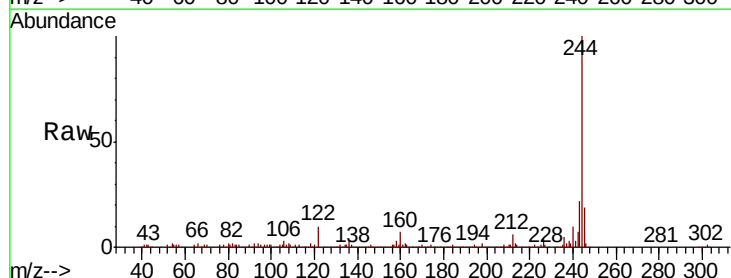
RT: 12.90 min Scan# 1839

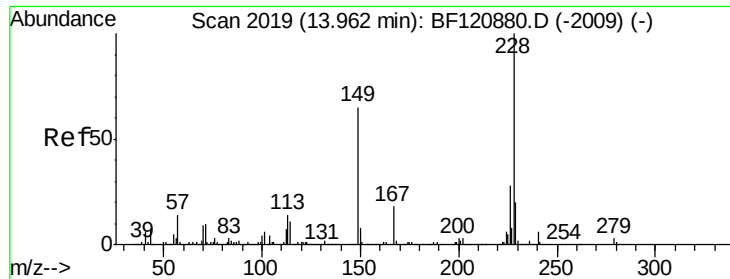
Delta R.T. -0.01 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		268325		
212	6.4	5.7	8.5		
122	10.1	8.3	12.5		





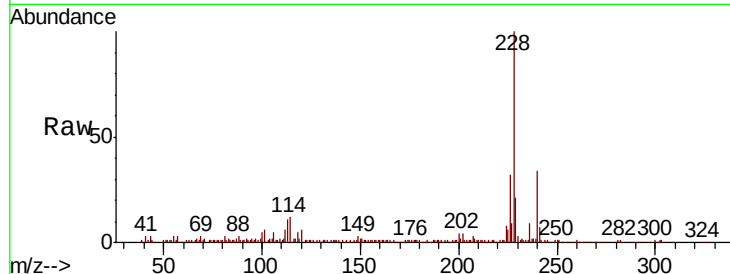
#81
Benzo(a)anthracene
Concen: 5.955 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	34.0
229	20.9	16.1	24.1

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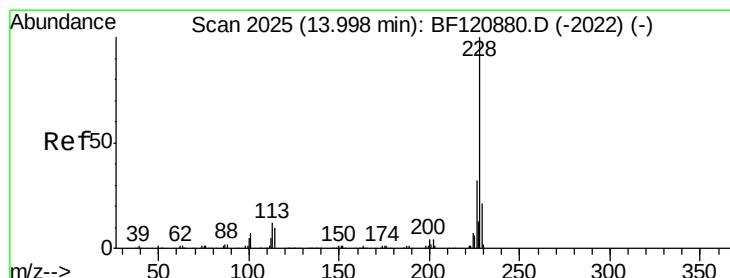
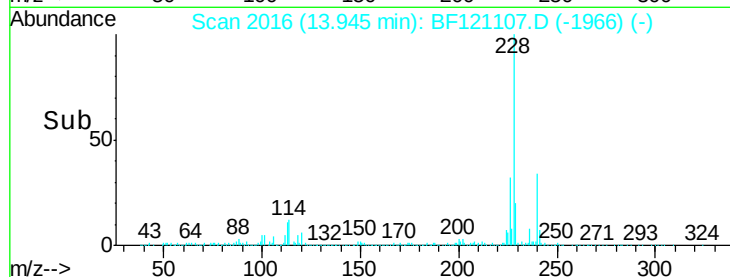
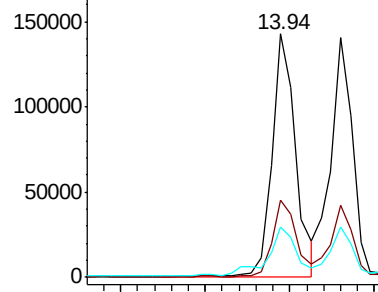


Abundance

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



#83
Chrysene
Concen: 5.172 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

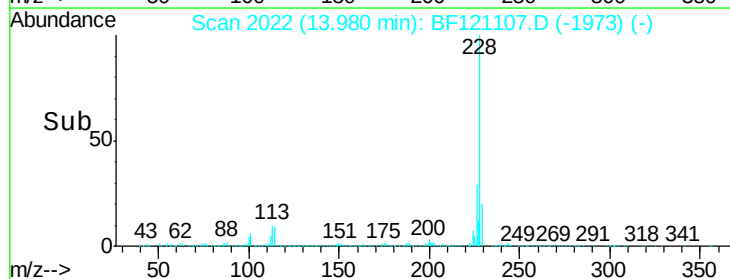
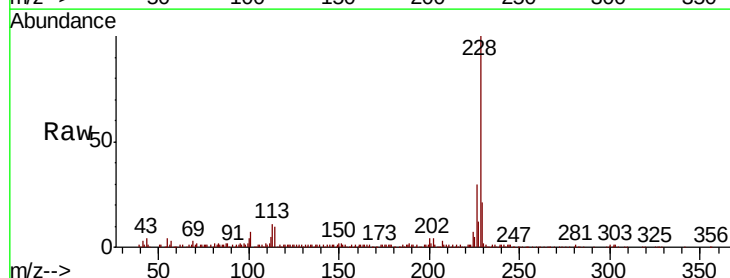
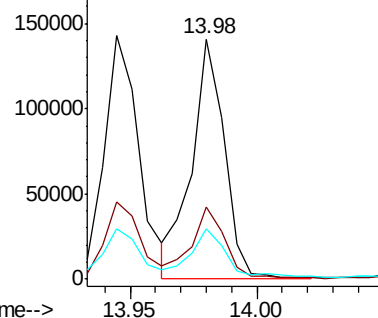
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	21.0	16.2	24.4

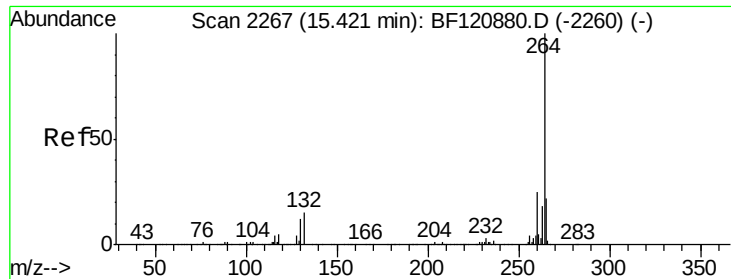
Abundance

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





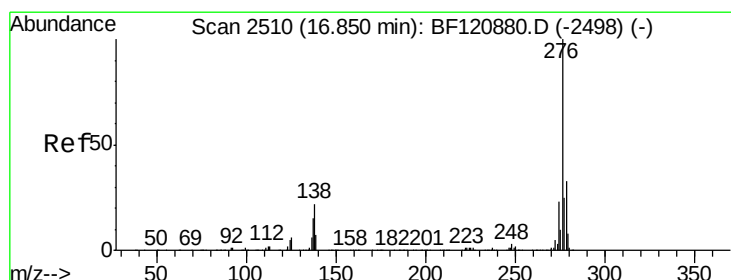
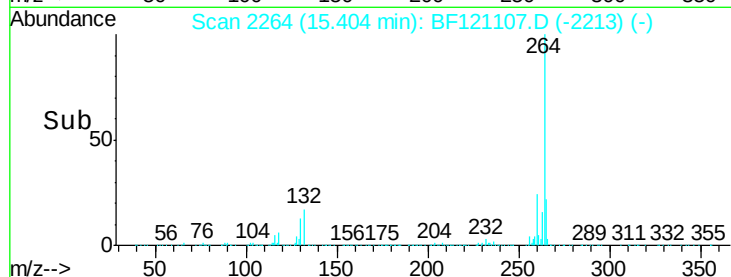
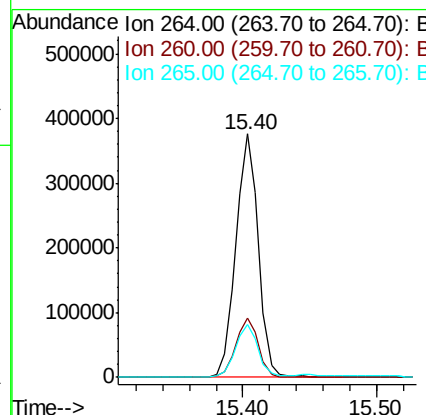
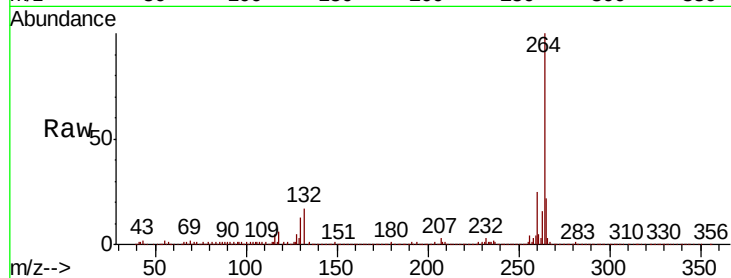
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.9	29.9
265	22.0	17.8	26.8

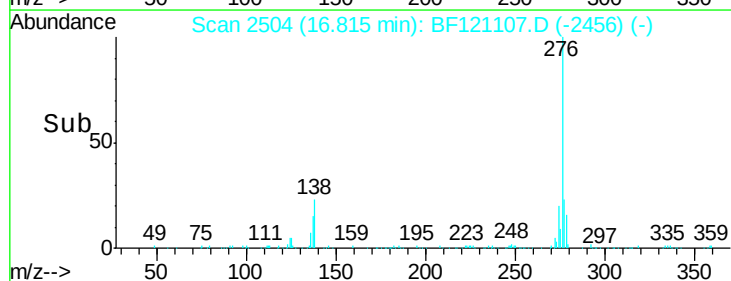
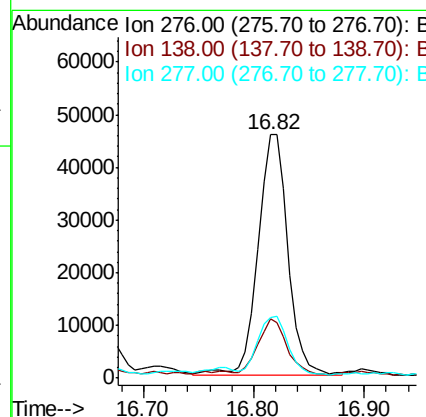
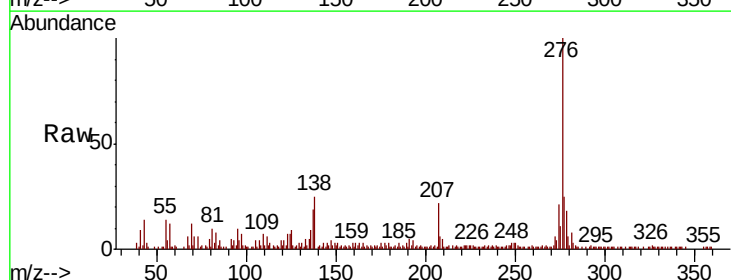
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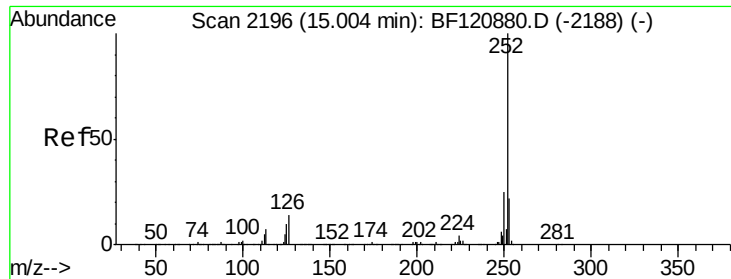
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.837 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.02 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.3	28.9
277	24.2	20.1	30.1





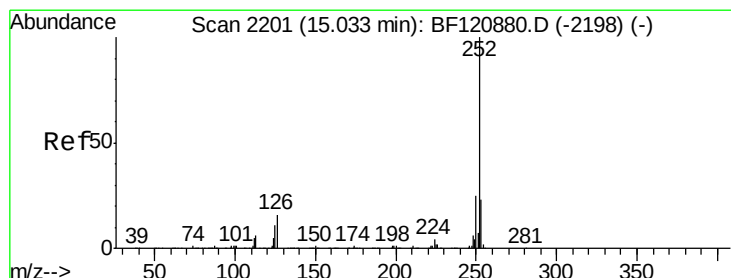
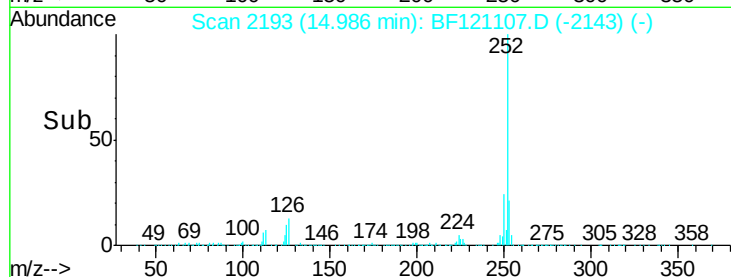
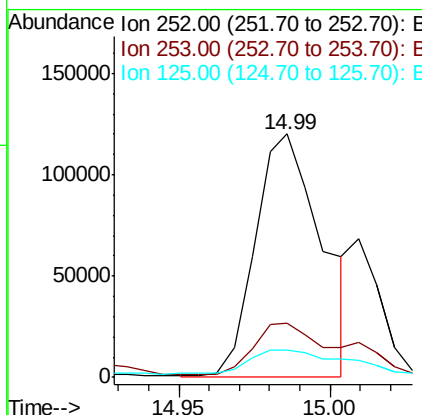
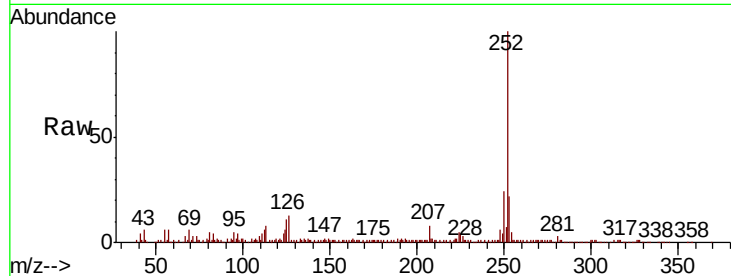
#88
Benzo(b)fluoranthene
Concen: 6.949 ng m
RT: 14.99 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.4	8.1	12.1

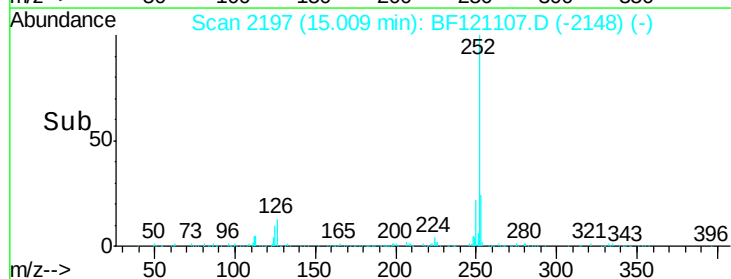
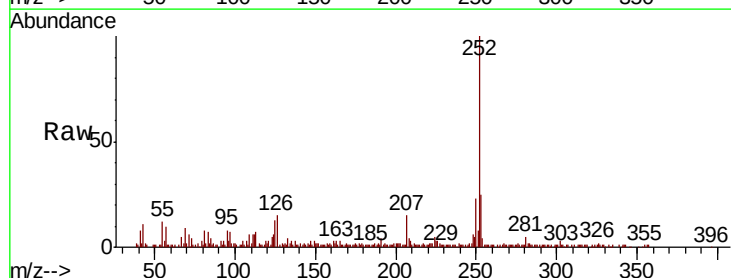
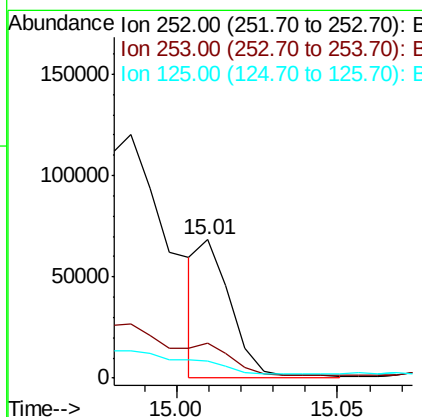
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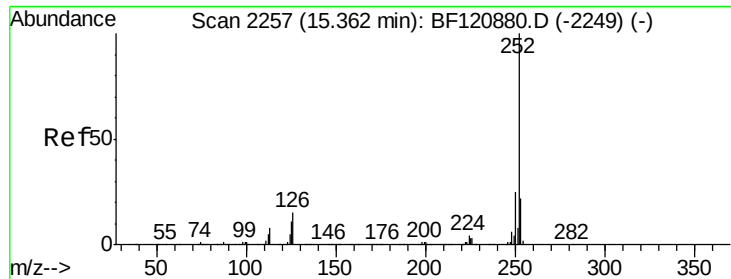
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#89
Benzo(k)fluoranthene
Concen: 2.011 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.1	27.1
125	12.5	8.0	12.0#





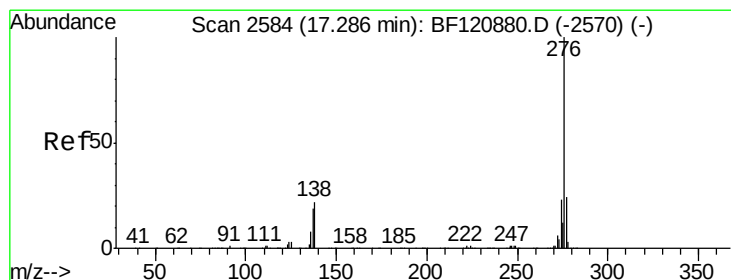
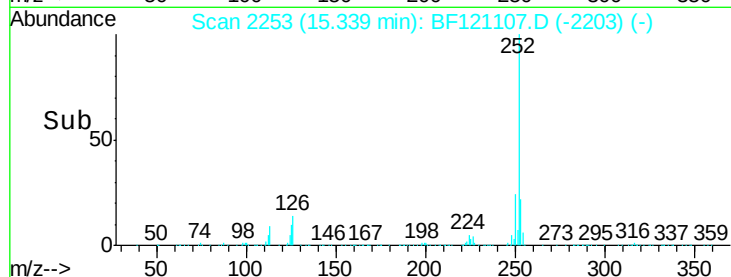
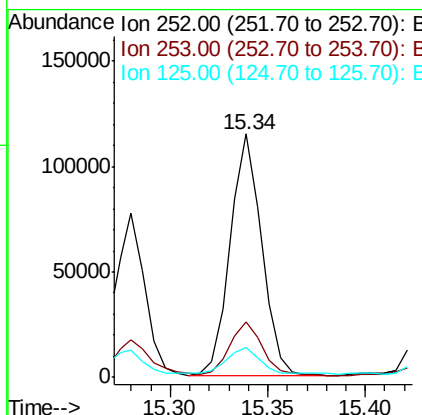
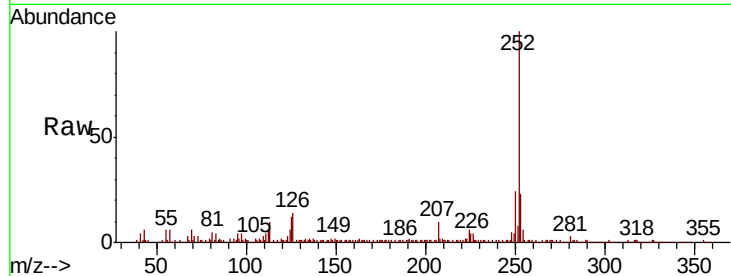
#90
Benzo(a)pyrene
Concen: 5.271 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.1	9.5	14.3

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#92
Benzo(g,h,i)perylene
Concen: 3.212 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.0
138	21.9	17.2	25.8

