

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121110.D
 Acq On : 29 Jul 2020 19:28
 Operator : JU/CG
 Sample : L3436-14 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14

Manual Integrations
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Quant Time: Jul 30 01:41:31 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	143777	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	516693	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	245152	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	411125	20.00	ng	0.00
76) Chrysene-d12	13.96	240	381866	20.00	ng	0.00
86) Perylene-d12	15.41	264	378649	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	136631	15.58	ng	0.00
7) Phenol-d6	6.44	99	163428	14.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	93996	10.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	35919	13.39	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	199903	12.17	ng	0.00
79) Terphenyl-d14	12.90	244	176298	10.04	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.10	128	75840	2.861	ng	99
49) Acenaphthylene	9.70	152	53727	2.268	ng	98
50) Dimethylphthalate	9.55	163	38918	2.200	ng	# 99
58) Fluorene	10.39	166	52372	3.225	ng	98
71) Phenanthrene	11.35	178	339872	16.074	ng	99
72) Anthracene	11.40	178	119540	5.630	ng	99
75) Fluoranthene	12.53	202	517385	22.076	ng	98
78) Pyrene	12.76	202	537643	19.914	ng	99
81) Benzo(a)anthracene	13.95	228	278808	12.057	ng	95
83) Chrysene	13.99	228	238101	9.798	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	101376	3.850	ng	96
88) Benzo(b)fluoranthene	14.99	252	286354m	12.511	ng	
89) Benzo(k)fluoranthene	15.02	252	84832m	4.064	ng	
90) Benzo(a)pyrene	15.35	252	208887	10.003	ng	98
92) Benzo(a,h,i)perylene	17.27	276	95242	4.491	ng	97

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

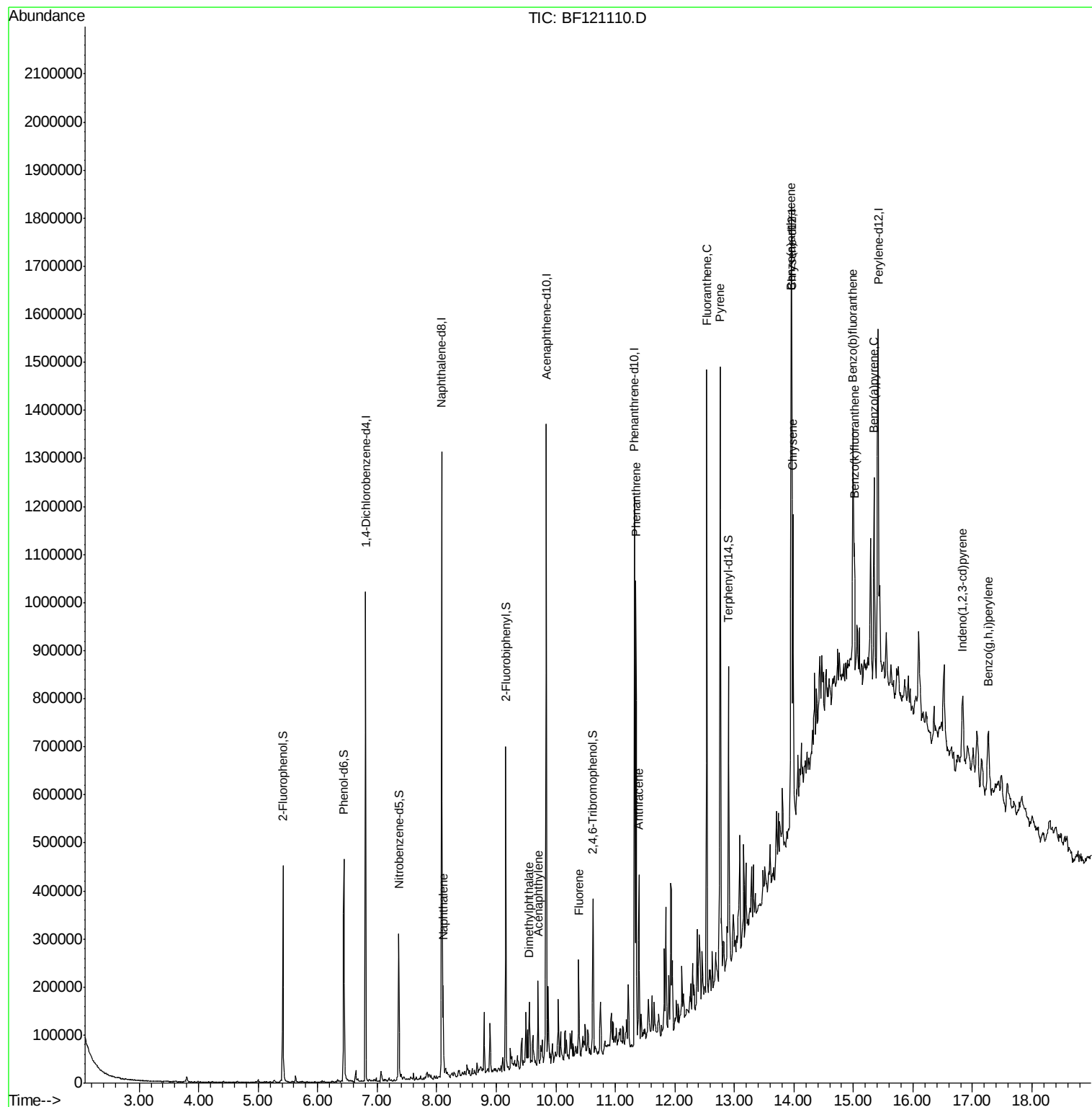
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121110.D
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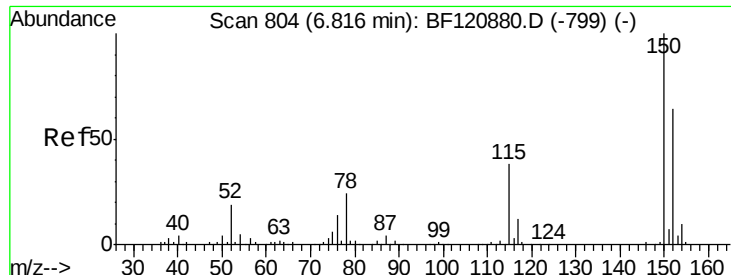
Instrument :
BNA_F
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14

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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: BF121110.D

Acq: 29 Jul 2020 19:28

Instrument :

BNA_F

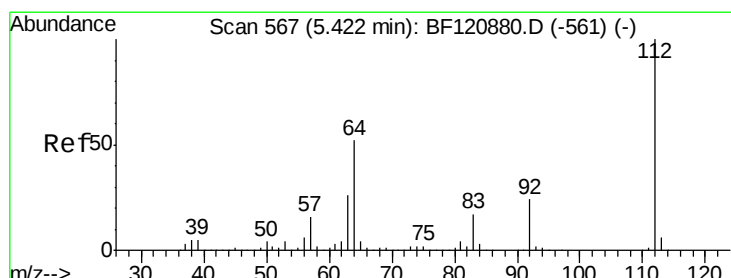
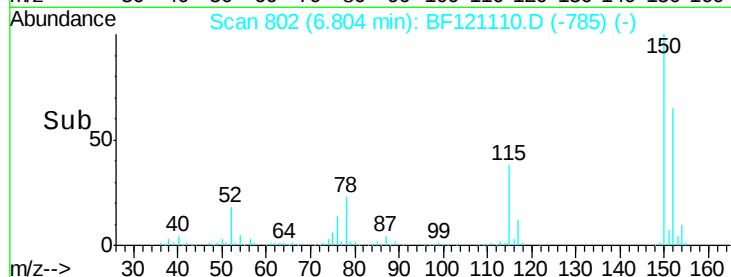
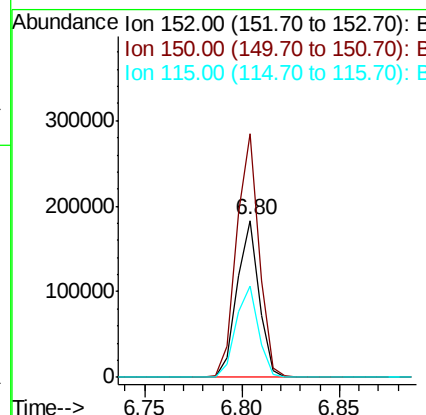
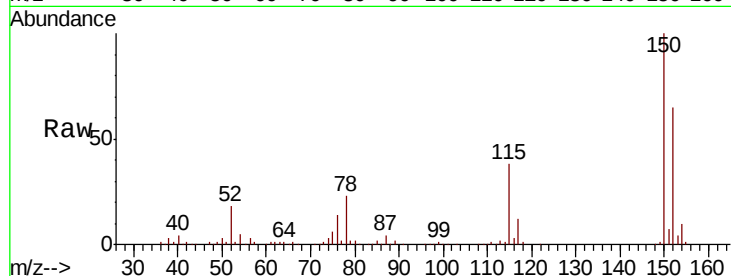
ClientSampleId :

14

Tot Ion:	152	Resp:	143777
Ion Ratio	Lower	Upper	
152	100		
150	155.0	125.6	188.4
115	58.1	46.2	69.2

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#5

2-Fluorophenol

Concen: 15.579 ng

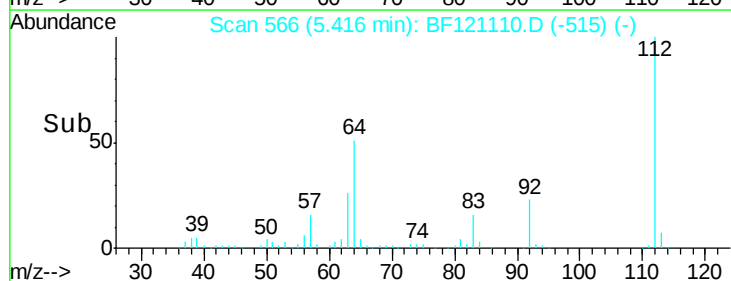
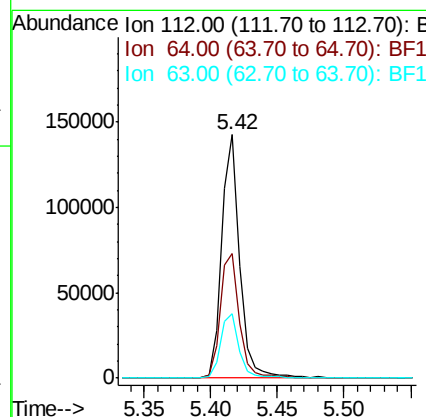
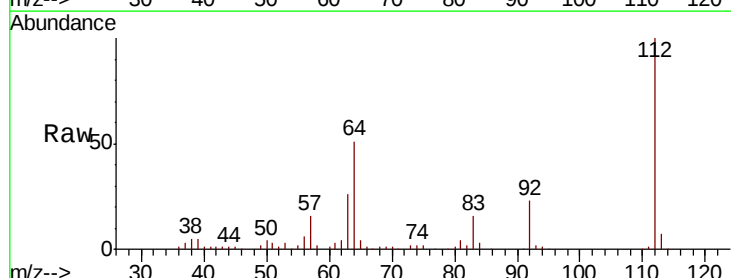
RT: 5.42 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF121110.D

Acq: 29 Jul 2020 19:28

Tgt Ion:	112	Resp:	136631
Ion Ratio	Lower	Upper	
112	100		
64	51.3	43.9	65.9
63	26.3	22.7	34.1





#7

Phenol-d6

Concen: 14.426 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121110.D

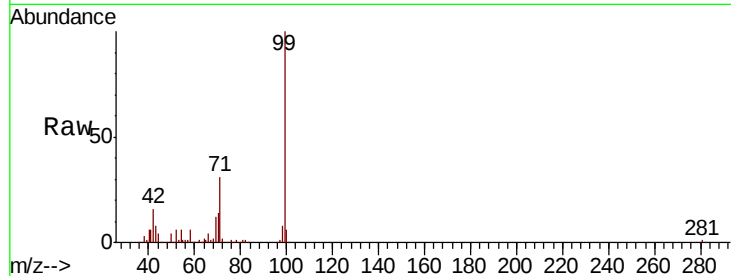
Acq: 29 Jul 2020 19:28

Instrument :

BNA_F

ClientSampleId :

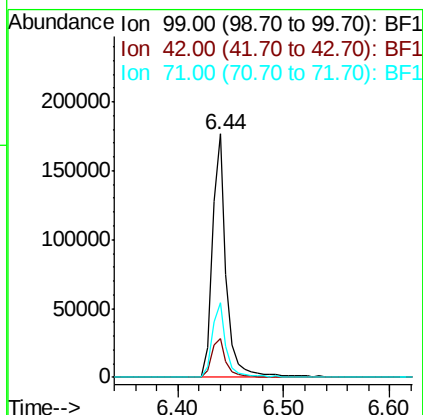
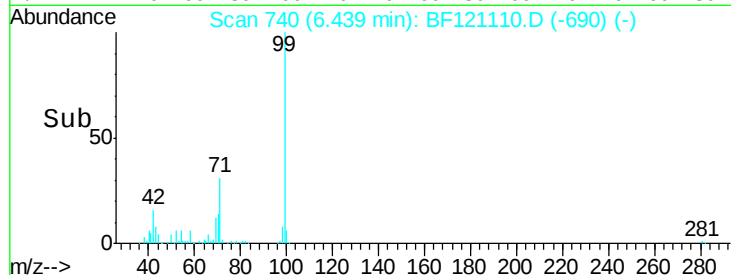
14



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		163428		
42	15.9	13.5	20.3		
71	30.6	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

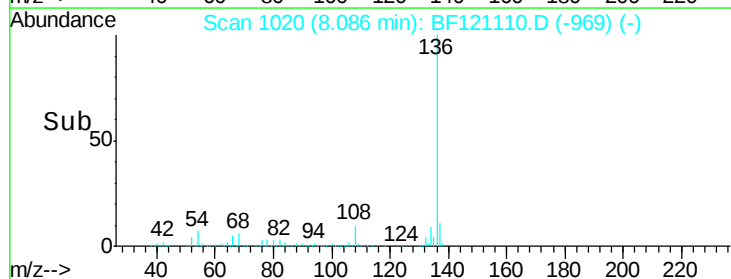
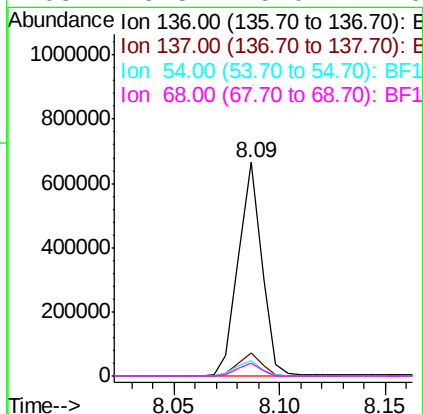
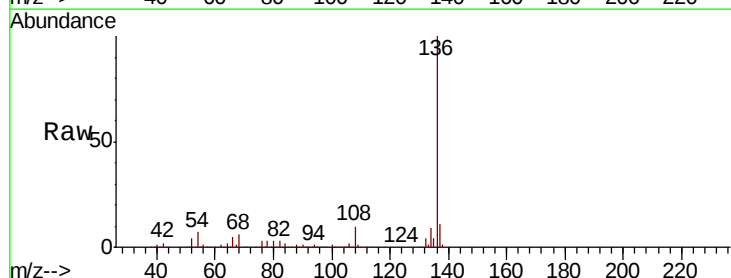
RT: 8.09 min Scan# 1020

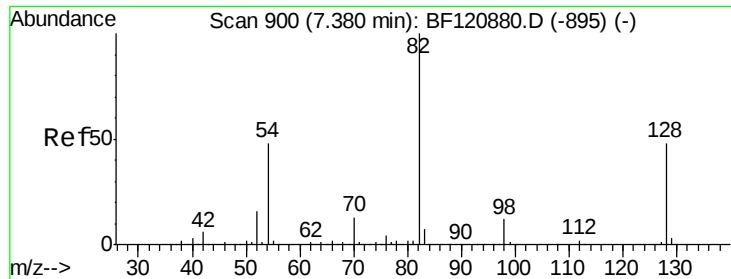
Delta R.T. -0.00 min

Lab File: BF121110.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		516693		
137	10.9	9.0	13.4		
54	7.1	6.1	9.1		
68	5.8	5.0	7.6		





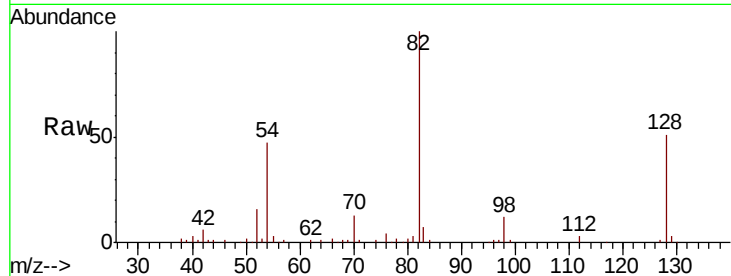
#23
Nitrobenzene-d5
Concen: 10.526 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

Instrument :
BNA_F
ClientSampled :
14

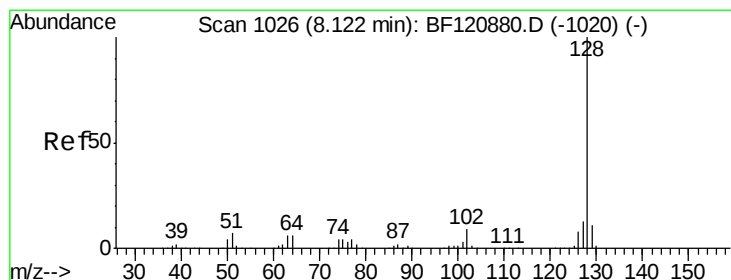
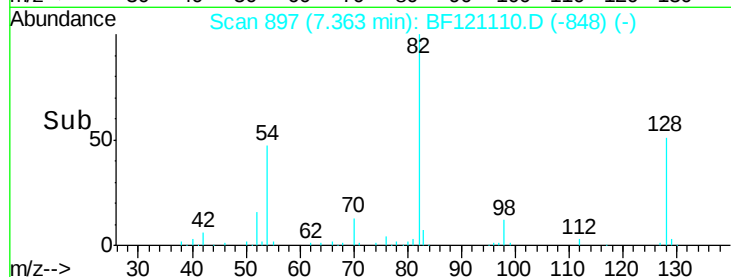
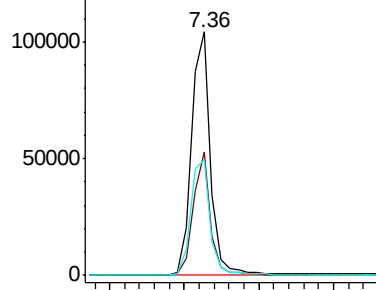
Tot Ion	Ratio	Lower	Upper
82	100		
128	50.8	39.2	58.8
54	47.4	37.8	56.8

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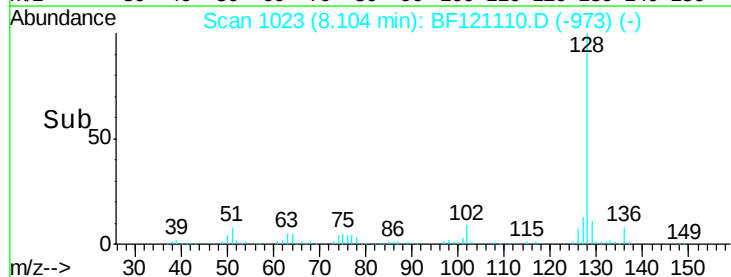
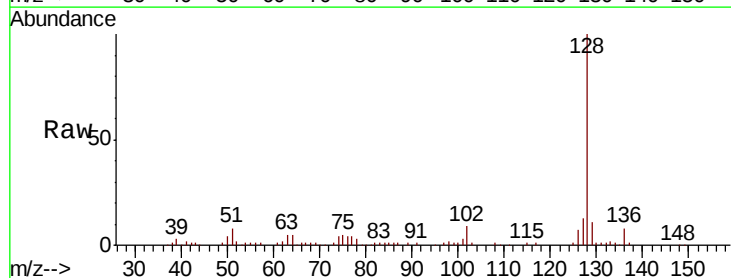
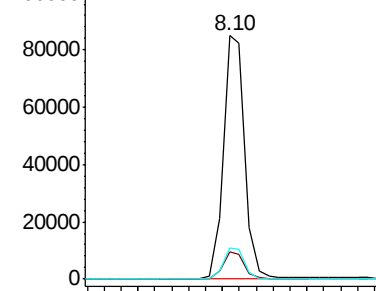
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

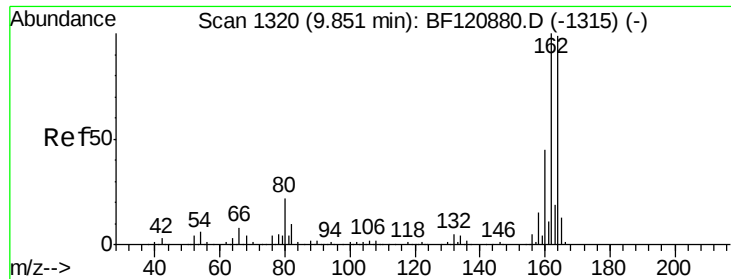


#31
Naphthalene
Concen: 2.861 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	12.7	10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





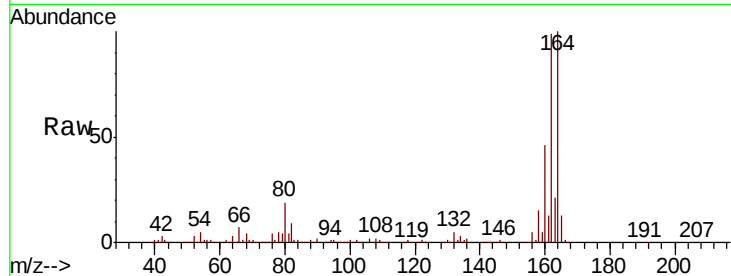
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121110.D
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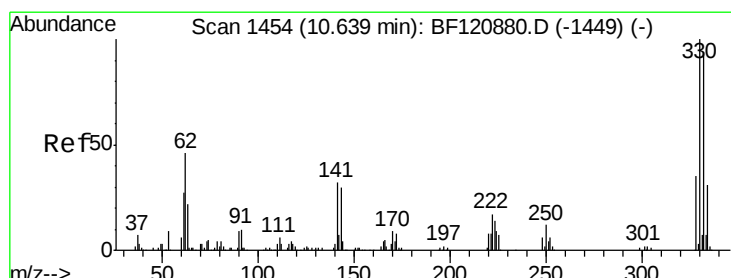
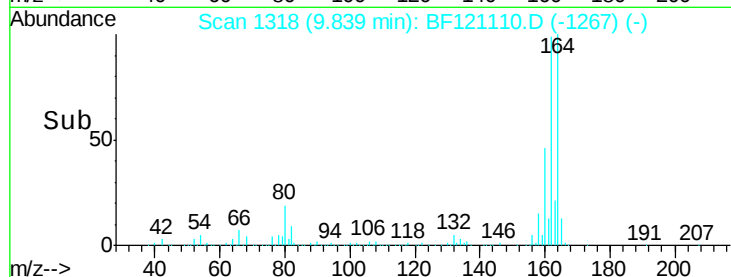
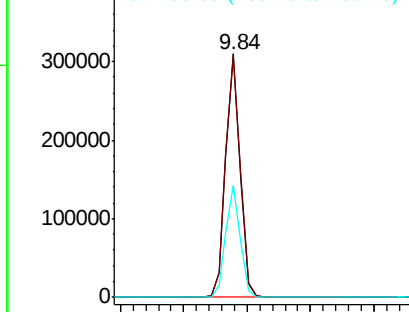
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.9	82.2	123.2	
160	45.7	37.2	55.8	

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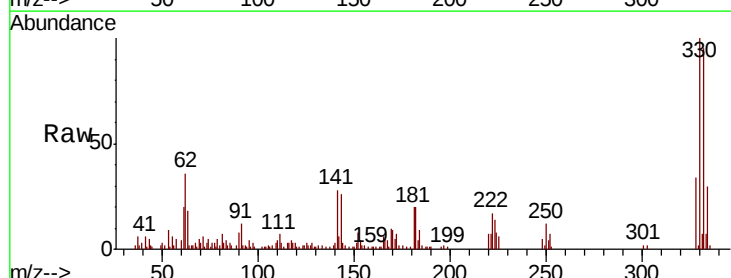


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

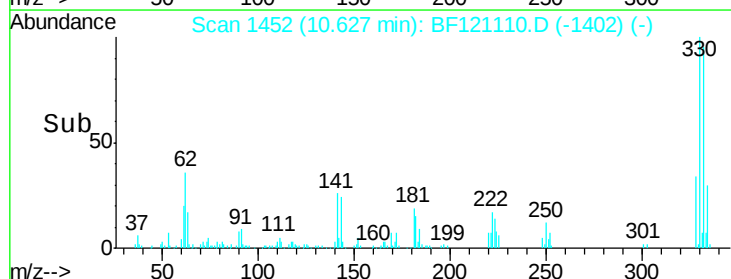
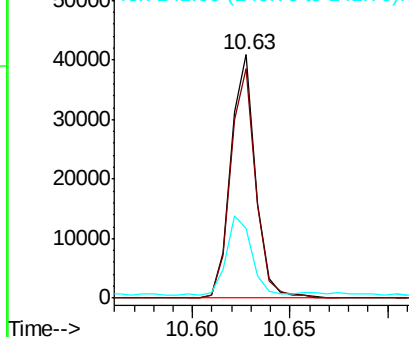


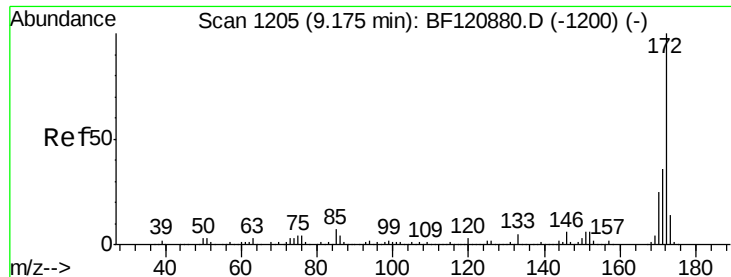
#42
2,4,6-Tribromophenol
Concen: 13.385 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	76.1	114.1	
141	33.0	24.1	36.1	



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





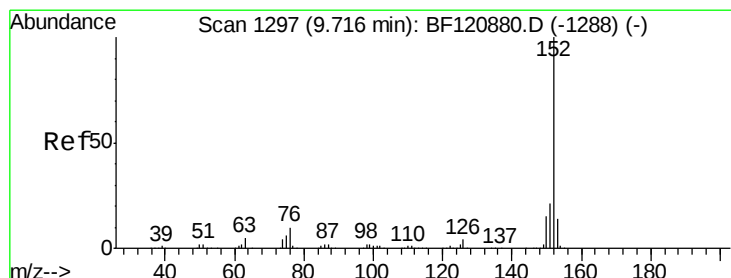
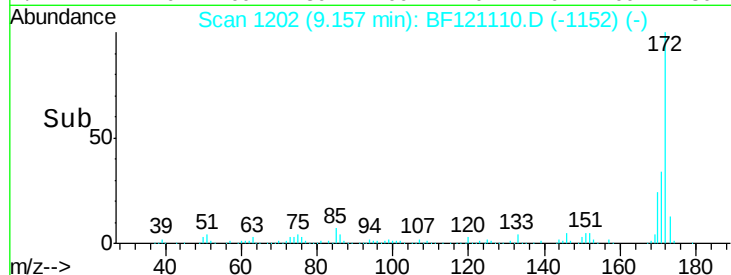
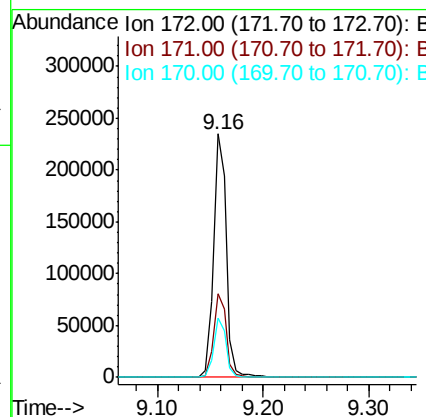
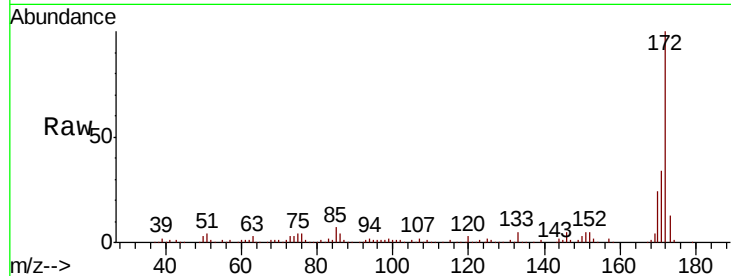
#45
2-Fluorobiphenyl
Concen: 12.175 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.0	43.4
170	24.1	19.6	29.4

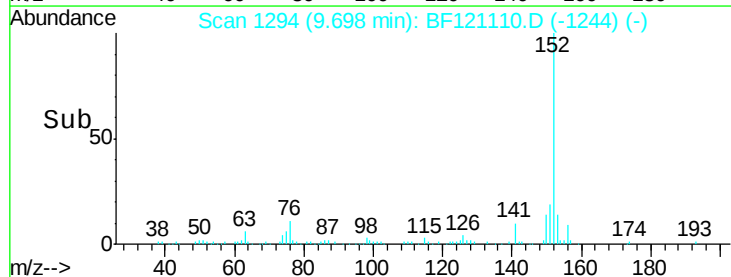
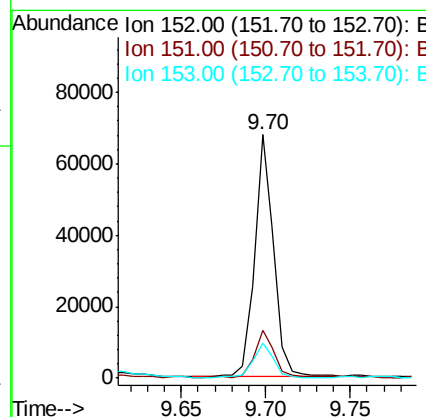
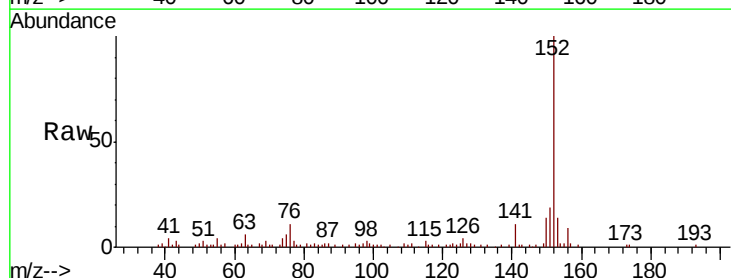
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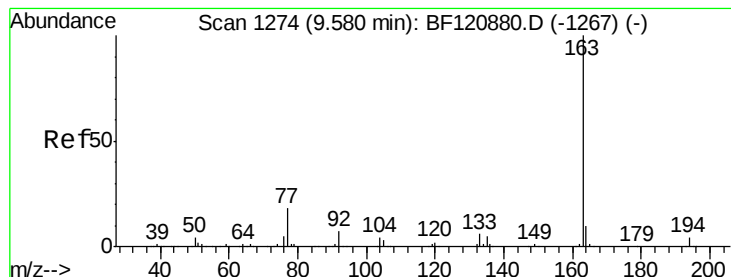
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#49
Acenaphthylene
Concen: 2.268 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.6	25.0
153	14.2	11.0	16.4





#50

Dimethylphthalate

Concen: 2.200 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121110.D

Acq: 29 Jul 2020 19:28

Instrument :

BNA_F

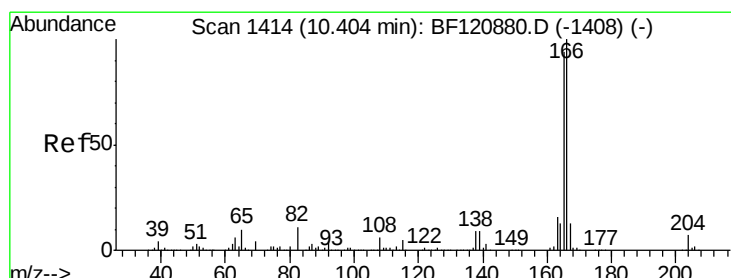
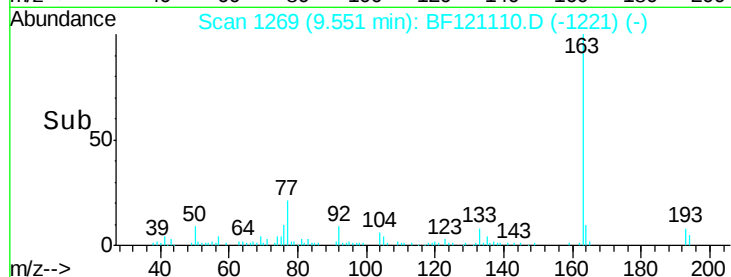
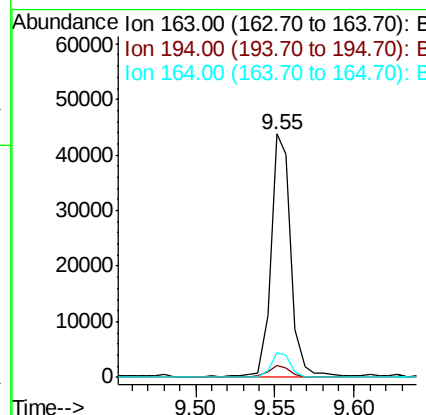
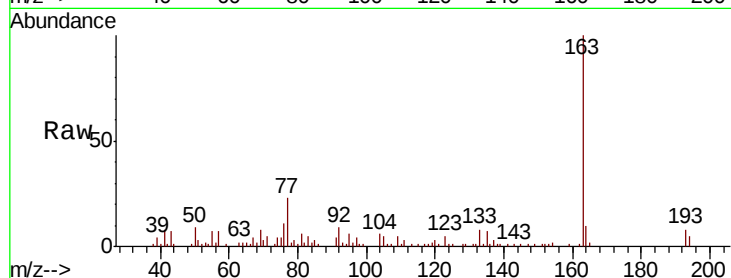
ClientSampled :

14

Tot Ion:	163	Resp:	38918
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.0	4.4#
164	10.2	8.4	12.6

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#58

Fluorene

Concen: 3.225 ng

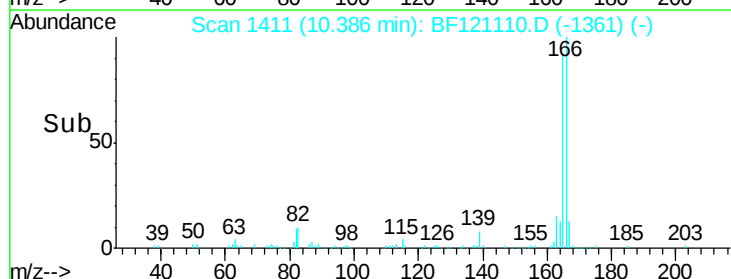
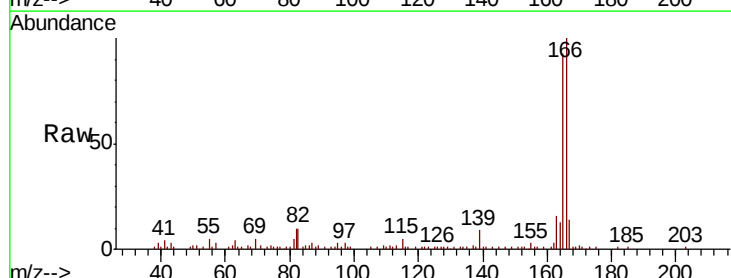
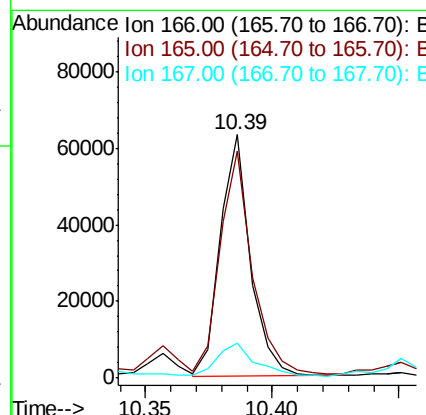
RT: 10.39 min Scan# 1411

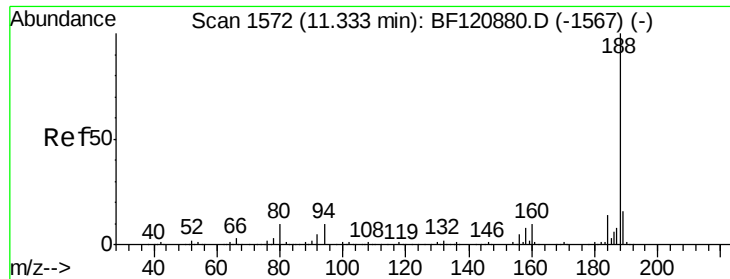
Delta R.T. -0.01 min

Lab File: BF121110.D

Acq: 29 Jul 2020 19:28

Tgt Ion:	166	Resp:	52372
Ion Ratio	Lower	Upper	
166	100		
165	93.1	76.4	114.6
167	14.2	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF121110.D

Acq: 29 Jul 2020 19:28

Instrument :

BNA_F

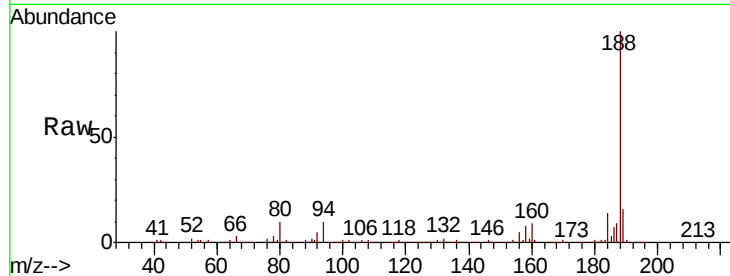
ClientSampleId :

14

Tot Ion:188	Resp:	411125
Ion Ratio	Lower	Upper
188 100		
94 9.8	8.0	12.0
80 9.9	8.3	12.5

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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.32

600000

500000

400000

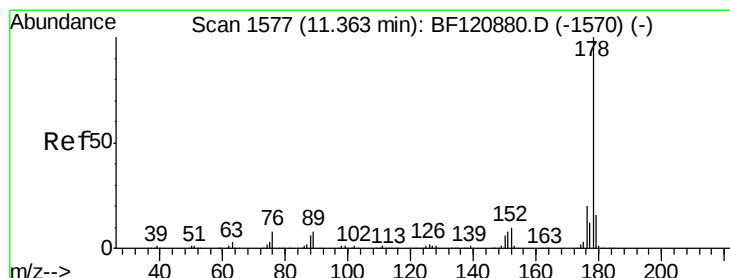
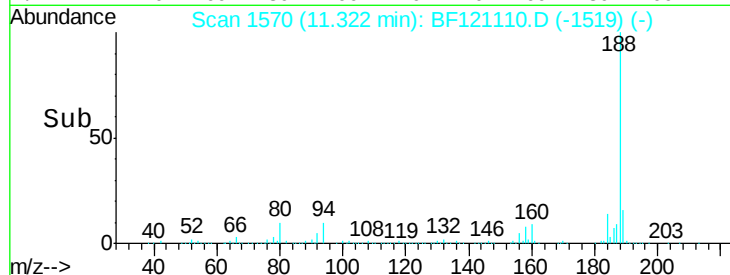
300000

200000

100000

0

Time--> 11.25 11.30 11.35



#71

Phenanthrene

Concen: 16.074 ng

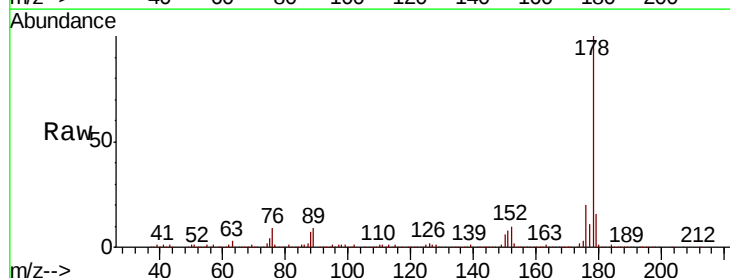
RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121110.D

Acq: 29 Jul 2020 19:28

Tgt Ion:178	Resp:	339872
Ion Ratio	Lower	Upper
178 100		
176 19.6	16.2	24.2
179 15.7	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.35

500000

400000

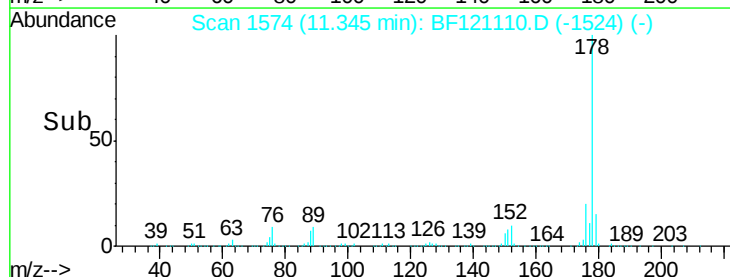
300000

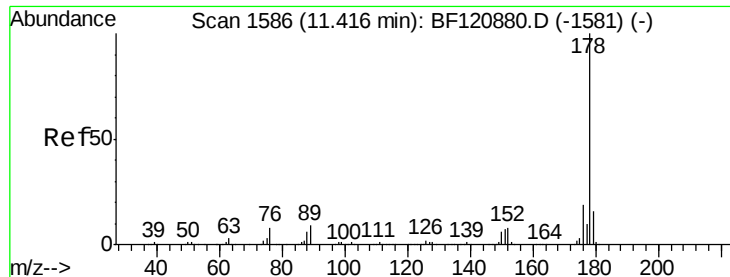
200000

100000

0

Time--> 11.25 11.30 11.35





#72

Anthracene

Concen: 5.630 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121110.D

Acq: 29 Jul 2020 19:28

Instrument :

BNA_F

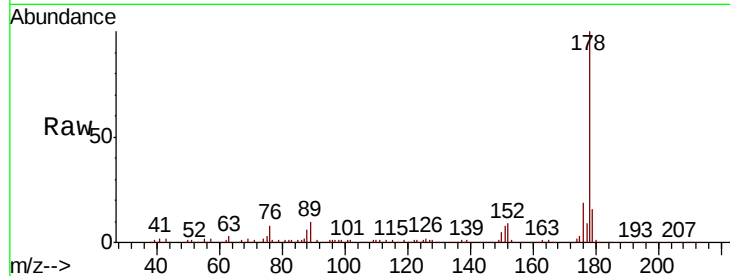
ClientSampled :

14

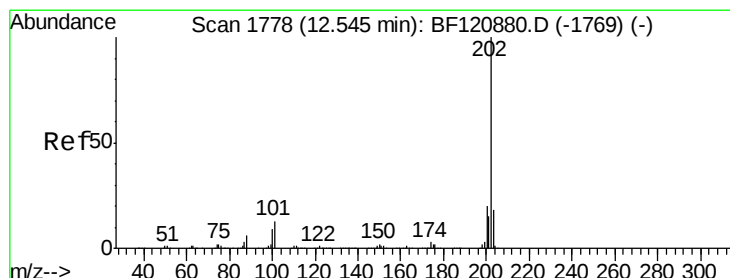
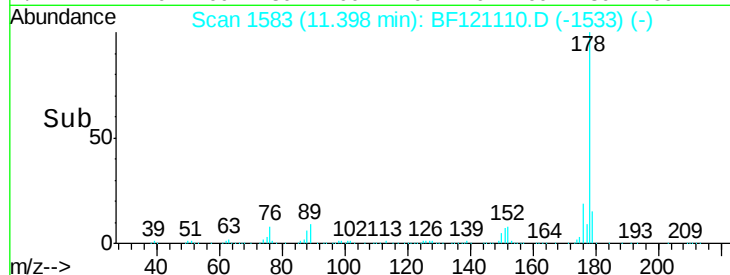
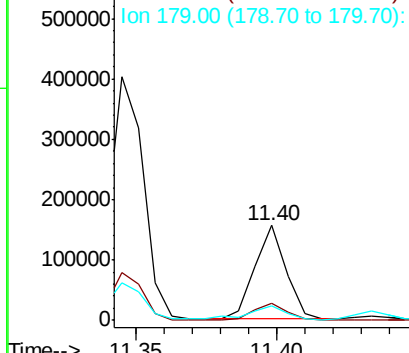
Tot Ion:	178	Resp:	119540
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.8	23.8
179	15.8	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 22.076 ng

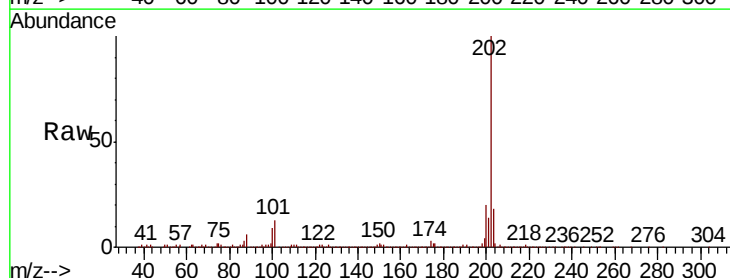
RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

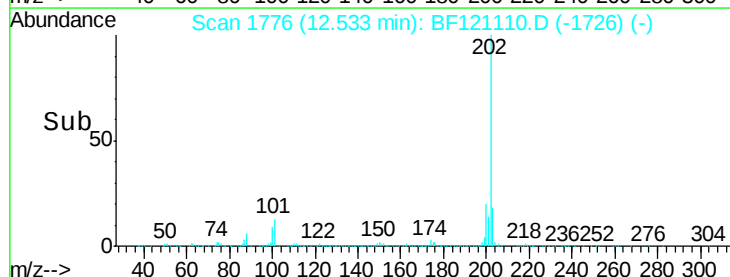
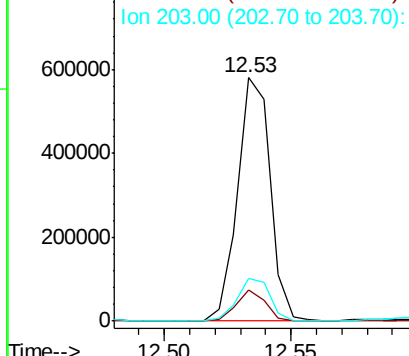
Lab File: BF121110.D

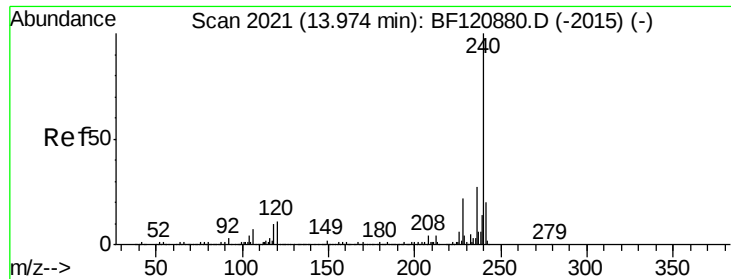
Acq: 29 Jul 2020 19:28

Tgt Ion:	202	Resp:	517385
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	30.5
203	17.6	0.0	37.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF121110.D

Acq: 29 Jul 2020 19:28

Instrument :

BNA_F

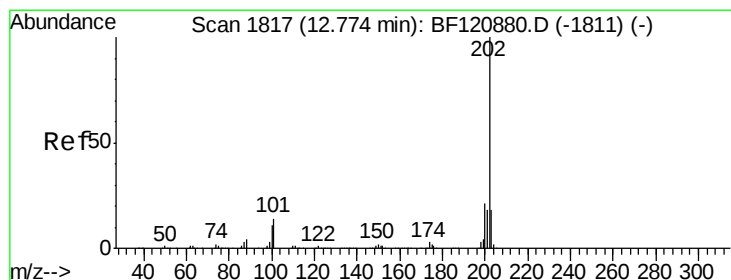
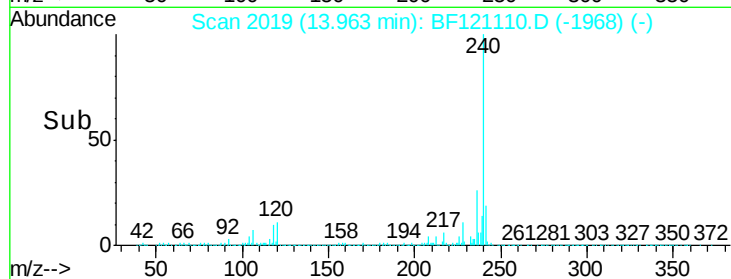
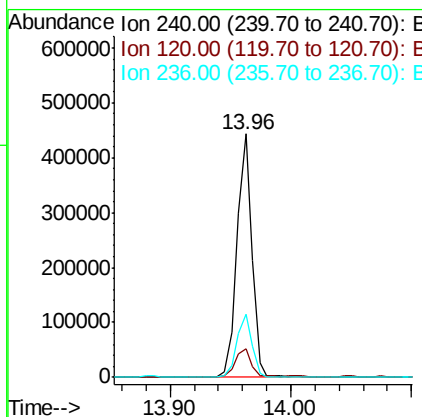
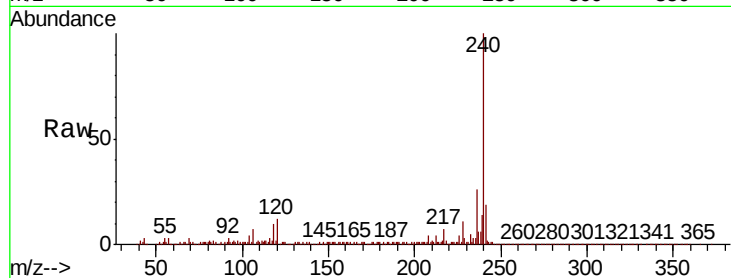
ClientSampled :

14

Tot Ion:	240	Resp:	381866
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.3	13.9
236	26.2	21.1	31.7

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#78

Pyrene

Concen: 19.914 ng

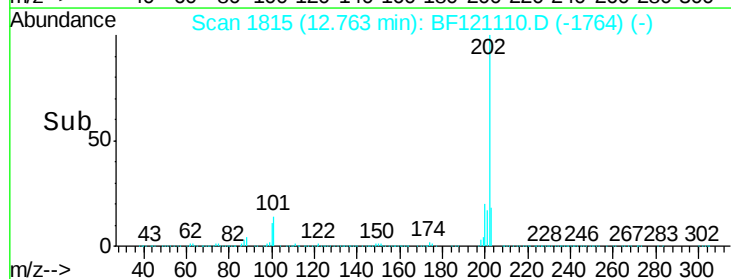
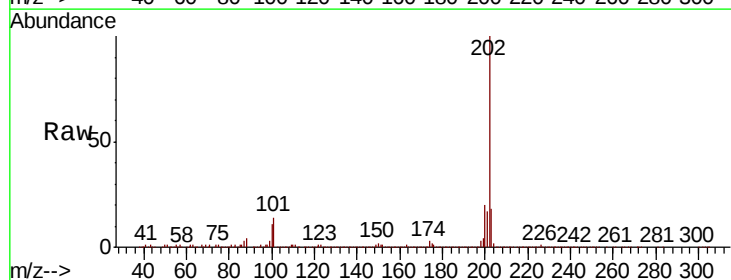
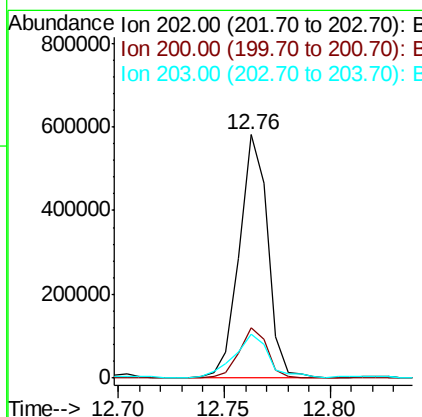
RT: 12.76 min Scan# 1815

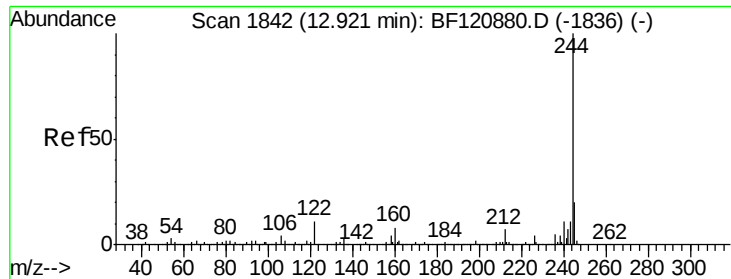
Delta R.T. -0.00 min

Lab File: BF121110.D

Acq: 29 Jul 2020 19:28

Tgt Ion:	202	Resp:	537643
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.0	25.6
203	18.3	14.6	21.8





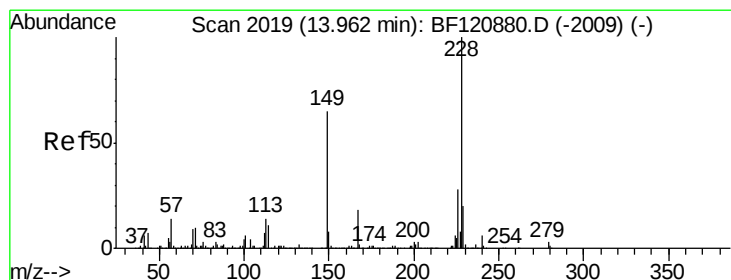
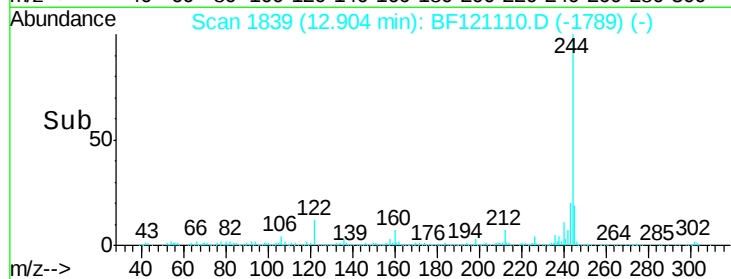
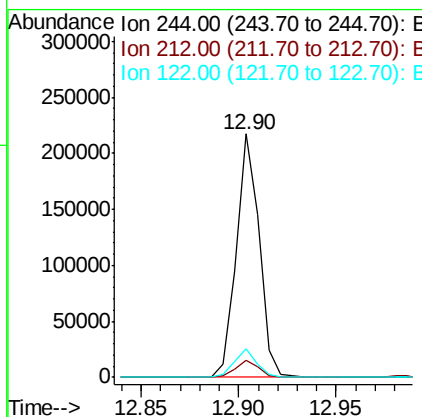
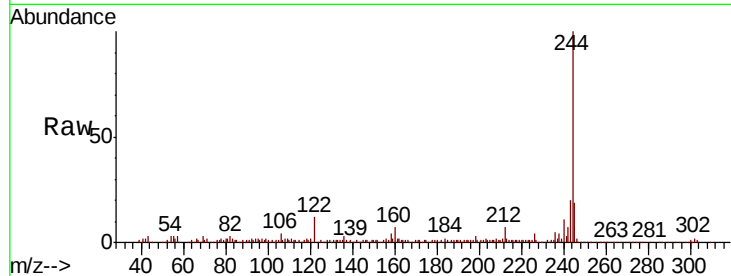
#79
 Terphenyl-d14
 Concen: 10.036 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF121110.D
 Acq: 29 Jul 2020 19:28

Instrument :
 BNA_F
 ClientSampled :
 14

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.9	8.3	12.5

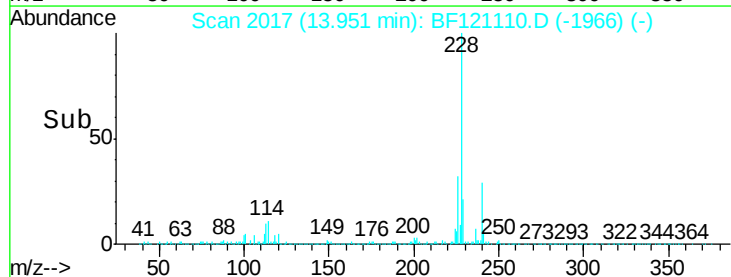
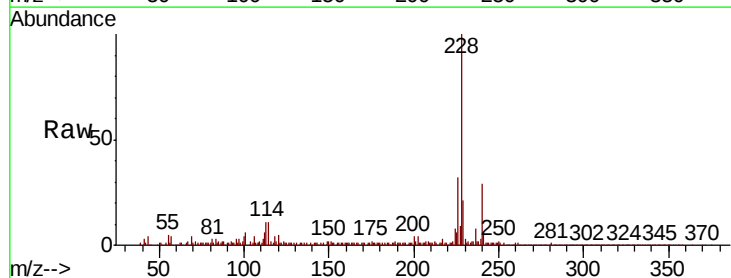
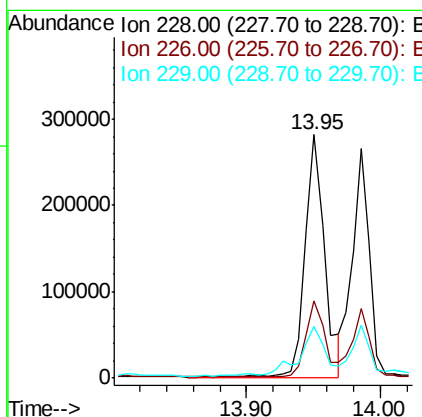
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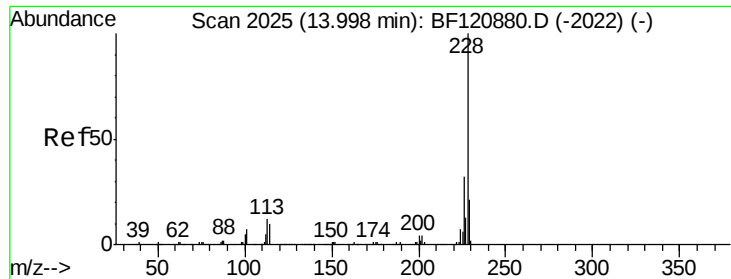
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#81
 Benzo(a)anthracene
 Concen: 12.057 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF121110.D
 Acq: 29 Jul 2020 19:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	34.0
229	21.2	16.1	24.1





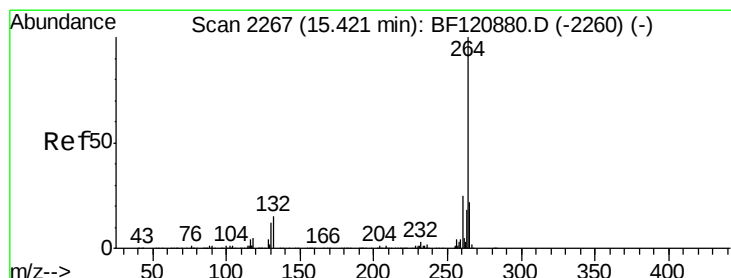
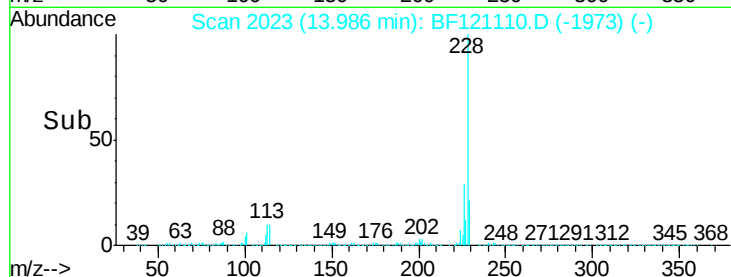
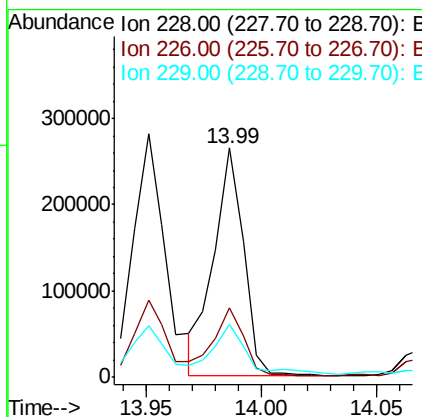
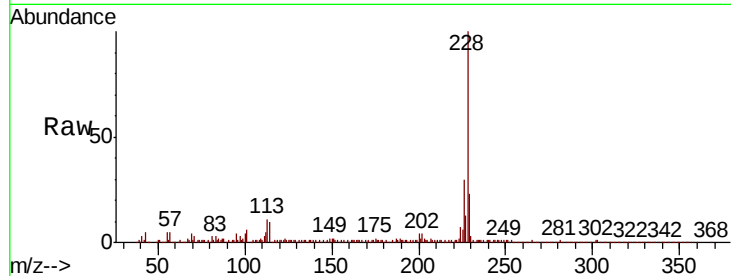
#83
Chrysene
Concen: 9.798 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

Instrument :
BNA_F
ClientSampleId :
14

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	23.0	16.2	24.4

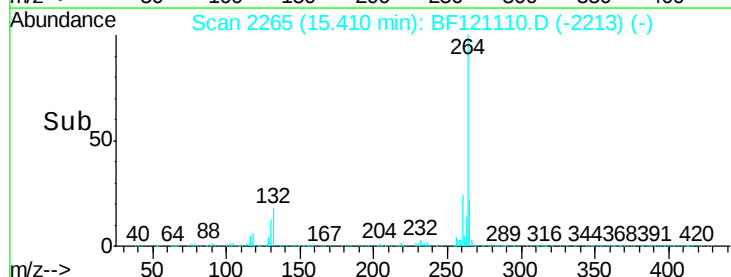
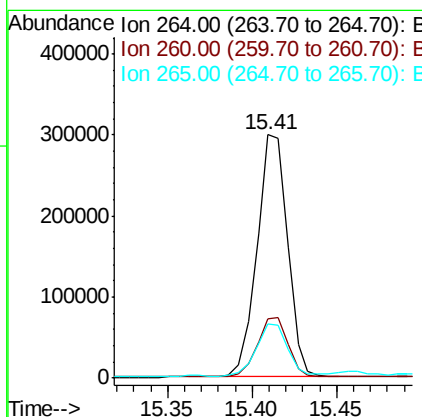
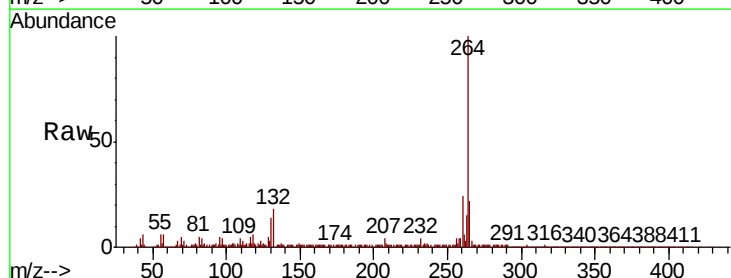
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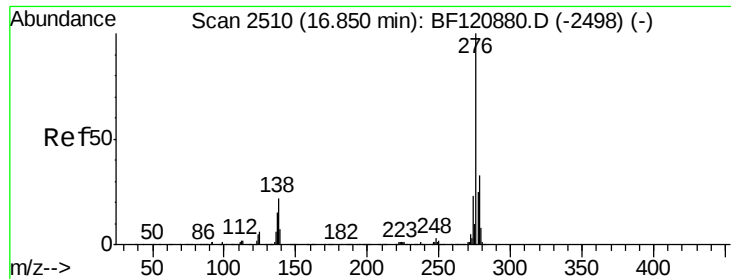
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.9	29.9
265	22.3	17.8	26.8





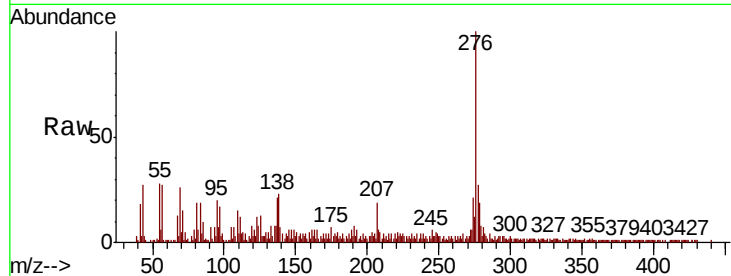
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.850 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: BF121110.D
 Acq: 29 Jul 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 14

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	19.3	28.9
277	24.3	20.1	30.1

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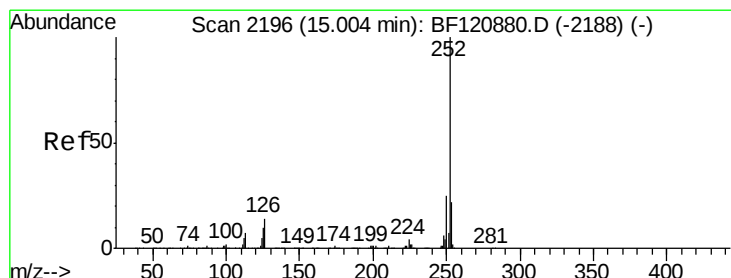
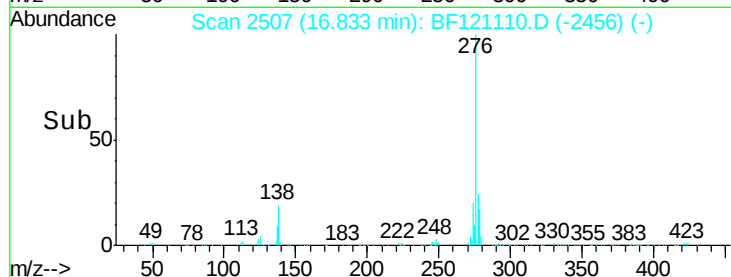
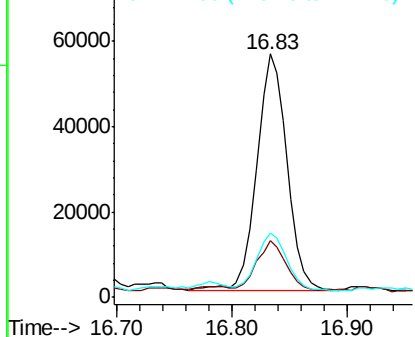


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 12.511 ng m
 RT: 14.99 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BF121110.D
 Acq: 29 Jul 2020 19:28

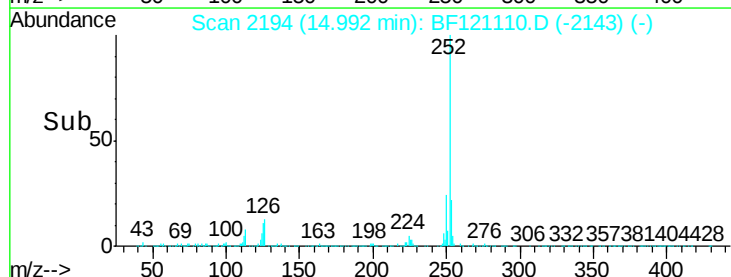
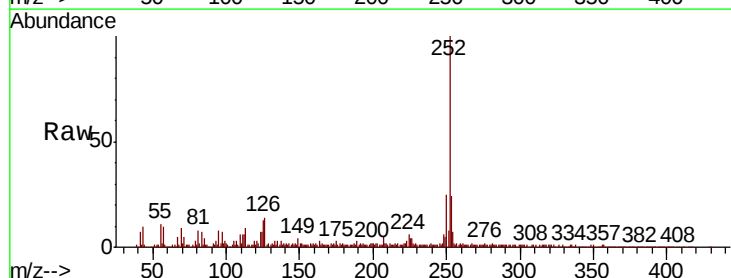
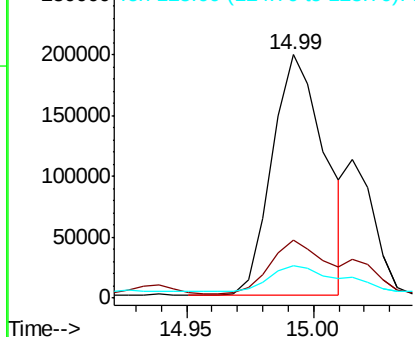
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.5	8.1	12.1

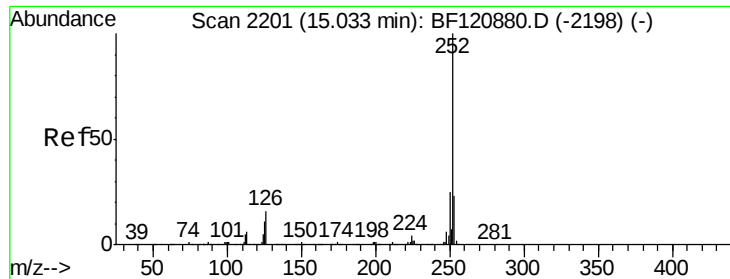
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





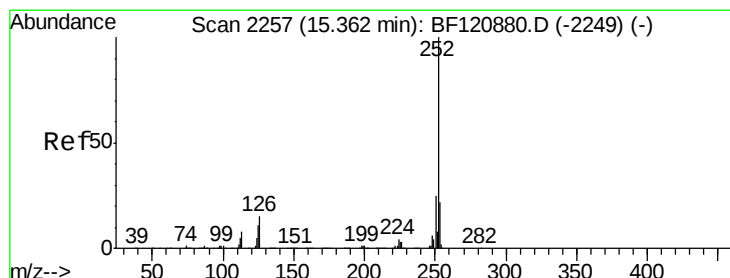
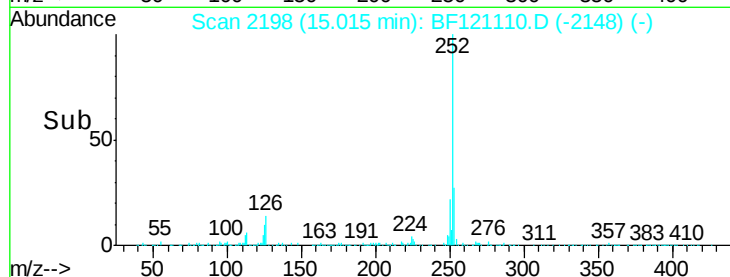
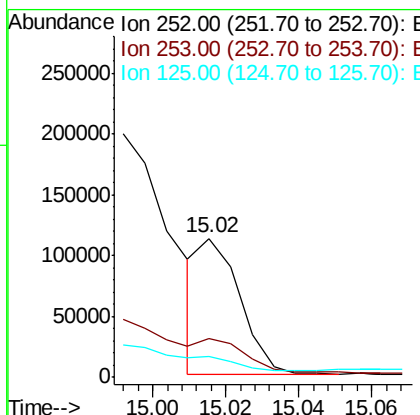
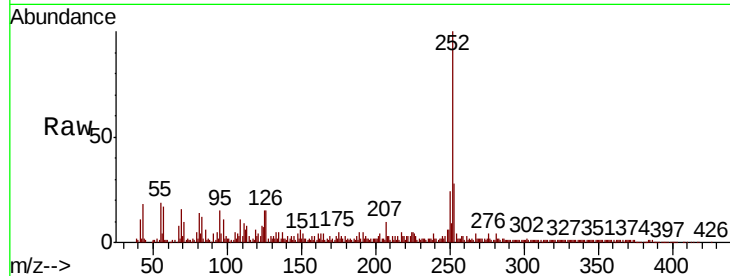
#89
Benzo(k)fluoranthene
Concen: 4.064 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

Instrument :
BNA_F
ClientSampleId :
14

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.1	27.1#
125	15.0	8.0	12.0#

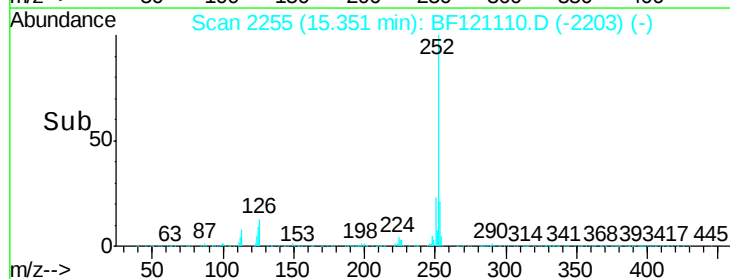
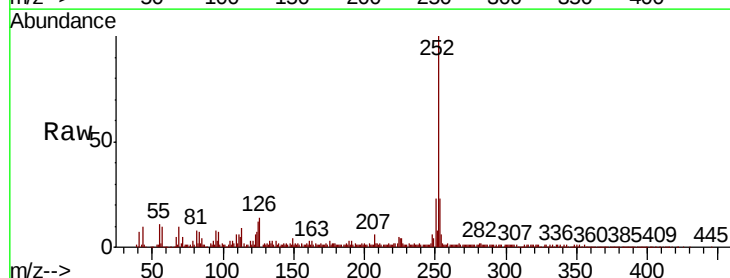
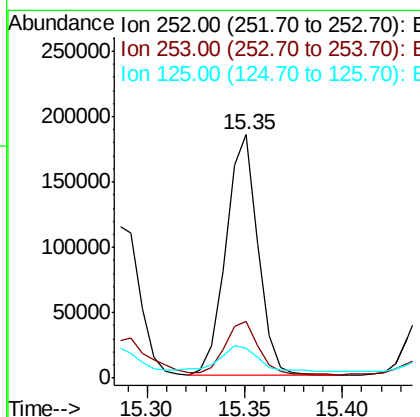
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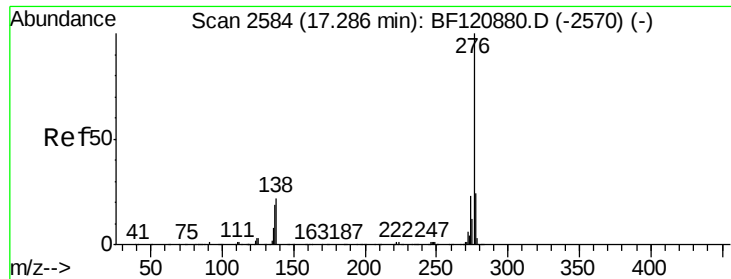
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#90
Benzo(a)pyrene
Concen: 10.003 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF121110.D
Acq: 29 Jul 2020 19:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	12.5	9.5	14.3





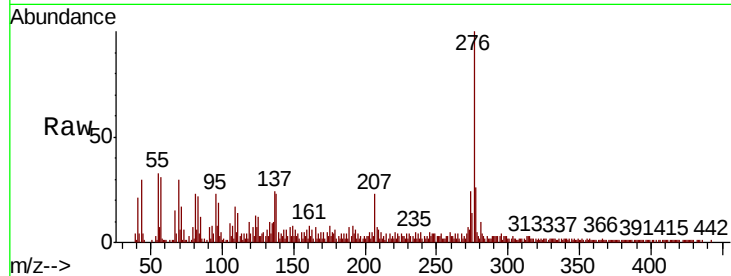
#92
 Benzo(a,h,i)perylene
 Concen: 4.491 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. 0.01 min
 Lab File: BF121110.D
 Acq: 29 Jul 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 14

Tot Ion:	276	Resp:	95242
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.4	29.0
138	22.9	17.2	25.8

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

