

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121143.D
 Acq On : 30 Jul 2020 22:53
 Operator : JU/CG
 Sample : L3436-22 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22

Manual Integrations
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 7/31/2020 12:12:03 PM

Quant Time: Jul 31 03:11:16 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	130638	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	496471	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	239094	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	386862	20.00	ng	0.00
76) Chrysene-d12	13.97	240	313300	20.00	ng	0.01
86) Perylene-d12	15.43	264	282320	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	146708	18.41	ng	0.00
7) Phenol-d6	6.43	99	180508	17.54	ng	-0.01
23) Nitrobenzene-d5	7.36	82	100101	11.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	37362	14.28	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	222947	13.92	ng	0.00
79) Terphenyl-d14	12.91	244	179798	12.48	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.70	152	50688	2.194	ng	98
52) Acenaphthene	9.87	154	29696	2.022	ng	98
58) Fluorene	10.39	166	45929	2.900	ng	99
71) Phenanthrene	11.35	178	311253	15.644	ng	99
72) Anthracene	11.40	178	109389	5.475	ng	98
75) Fluoranthene	12.55	202	496623	22.519	ng	100
78) Pyrene	12.77	202	501307	22.632	ng	99
81) Benzo(a)anthracene	13.96	228	265653	14.002	ng	95
83) Chrysene	14.00	228	222955	11.183	ng	96
87) Indeno(1,2,3-cd)pyrene	16.87	276	91376	4.654	ng	98
88) Benzo(b)fluoranthene	15.01	252	264634m	15.507	ng	
89) Benzo(k)fluoranthene	15.03	252	74434m	4.783	ng	
90) Benzo(a)pyrene	15.37	252	182370	11.713	ng	# 96
92) Benzo(a,h,i)perylene	17.31	276	85382	5.399	ng	93

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

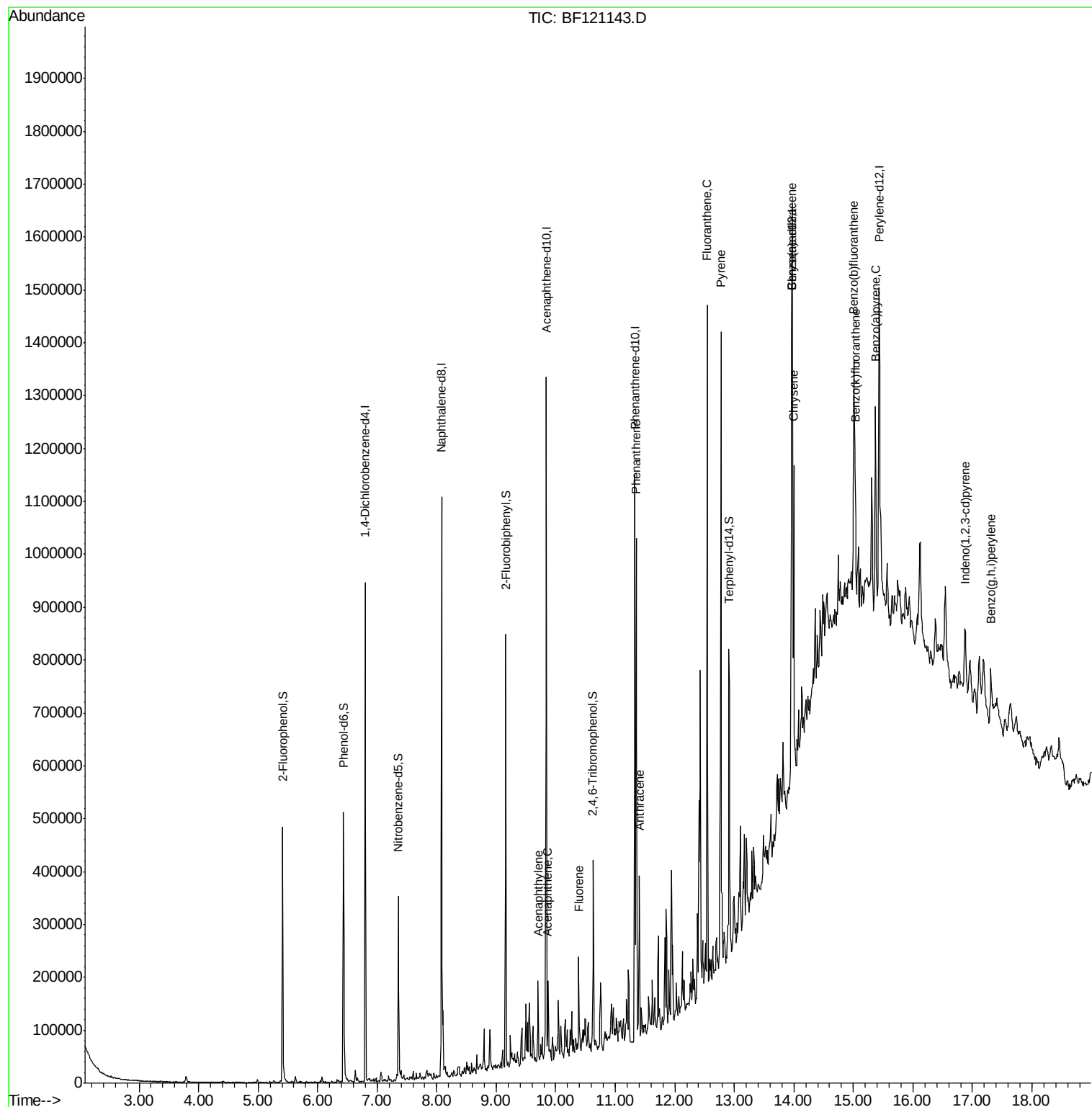
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121143.D
Acq On : 30 Jul 2020 22:53
Operator : JU/CG
Sample : L3436-22 5X
Misc :
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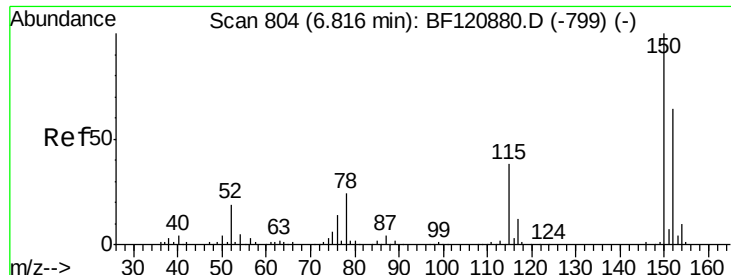
Instrument :
BNA_F
ClientSampled :
22

Manual Integrations
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Quant Time: Jul 31 03:11:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

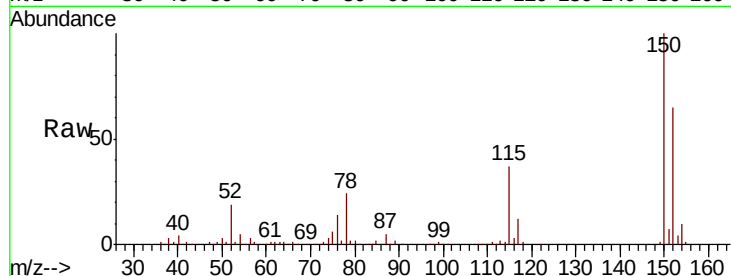
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampleId :
22

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	125.6	188.4
115	57.8	46.2	69.2

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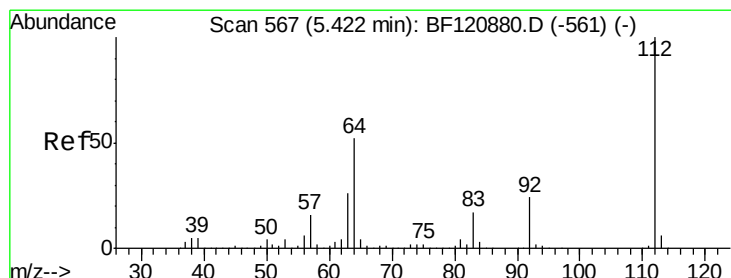
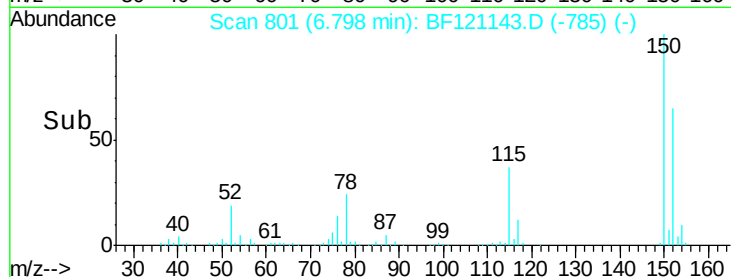
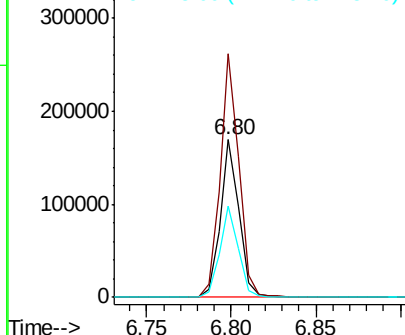


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

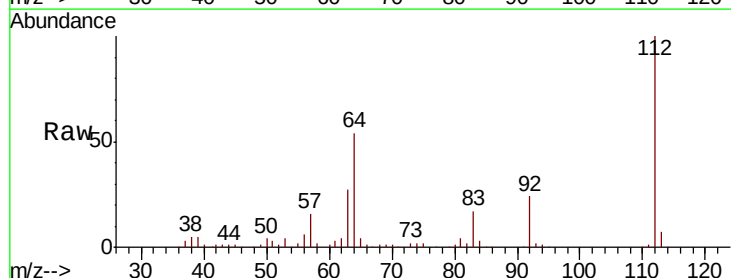
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.410 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	43.9	65.9
63	26.6	22.7	34.1

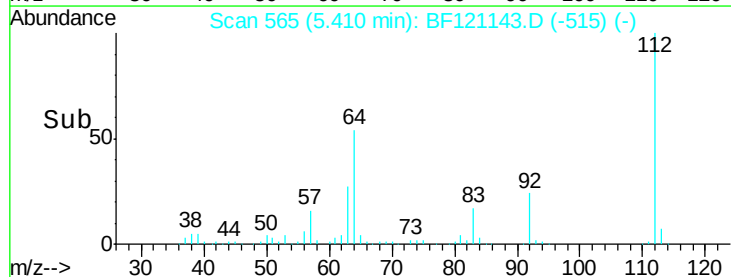
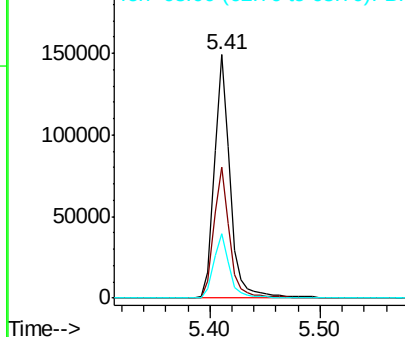


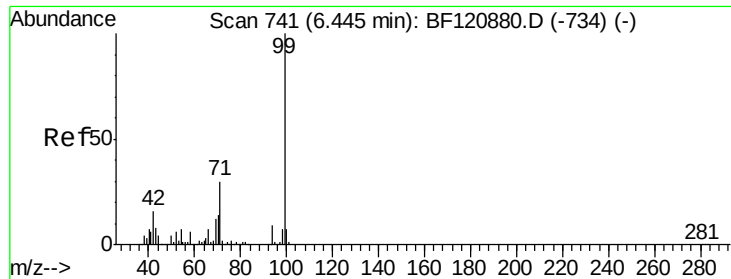
Abundance

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: 17.536 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :

BNA_F

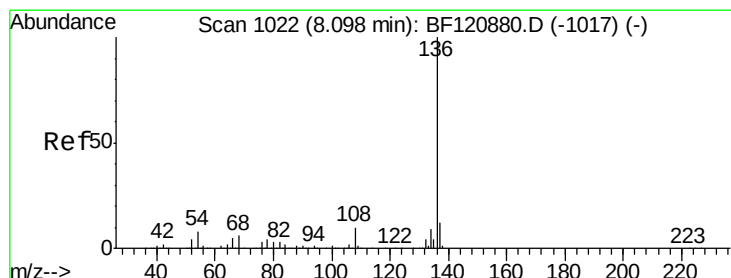
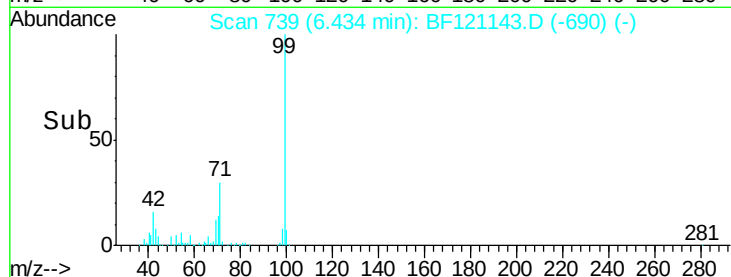
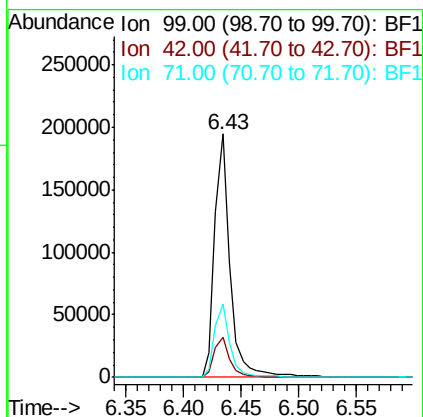
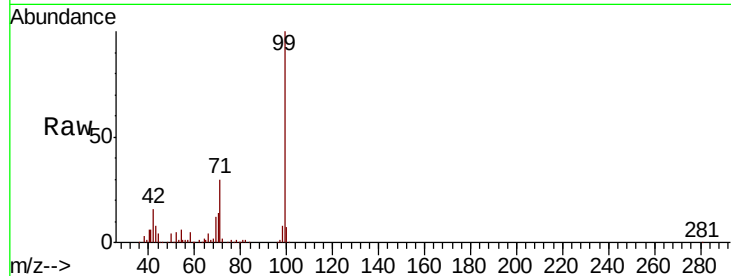
ClientSampled :

22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		180508		
42	16.2	13.5	20.3		
71	30.0	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

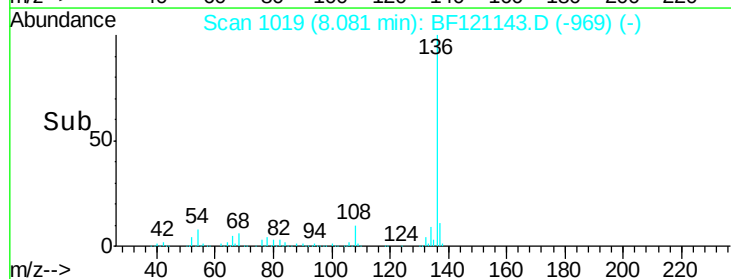
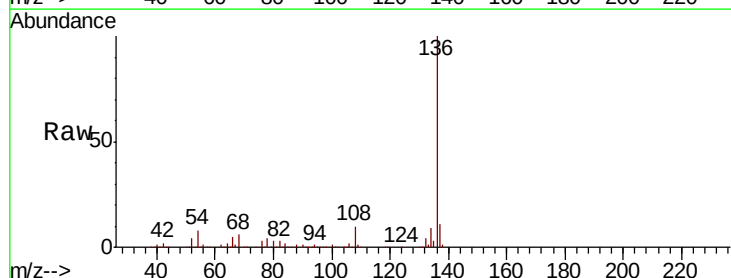
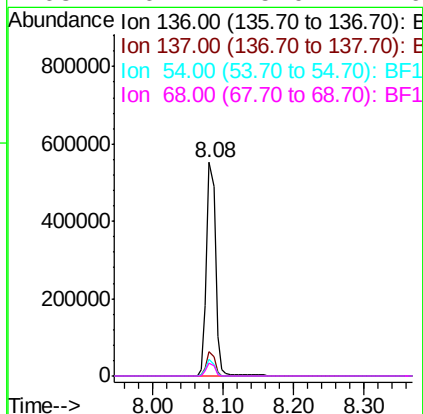
RT: 8.08 min Scan# 1019

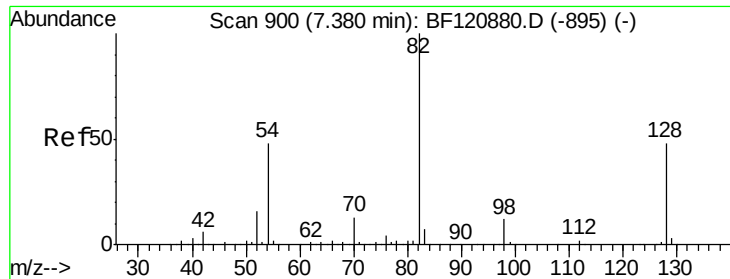
Delta R.T. -0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		496471		
137	11.3	9.0	13.4		
54	7.7	6.1	9.1		
68	6.1	5.0	7.6		





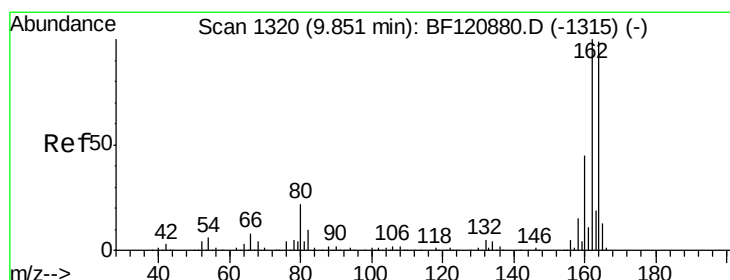
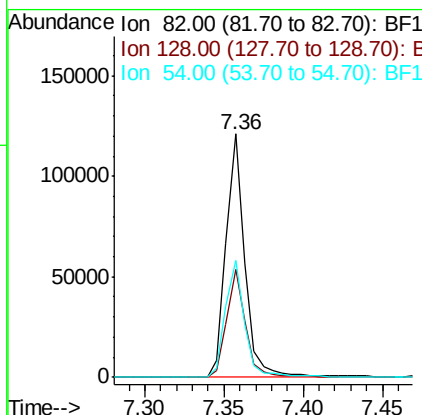
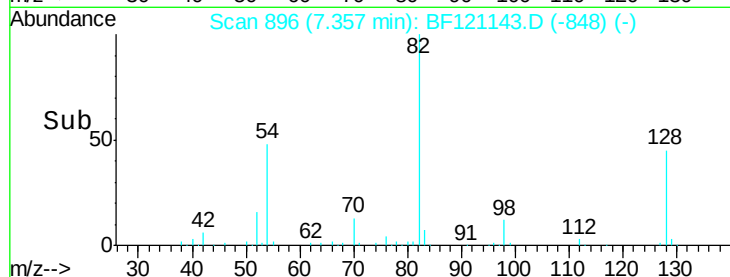
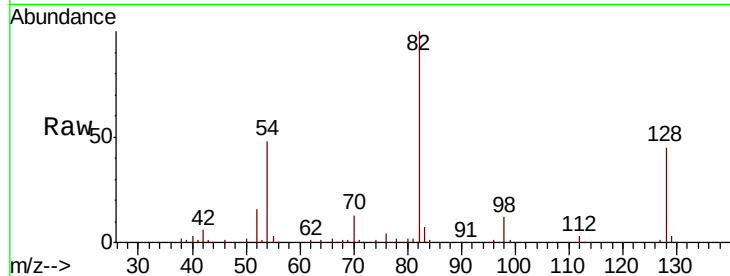
#23
Nitrobenzene-d5
Concen: 11.667 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampleId :
22

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	39.2	58.8
54	48.2	37.8	56.8

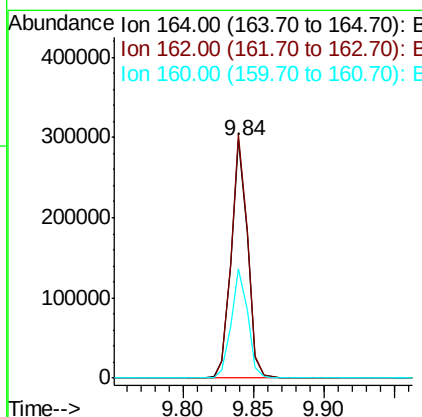
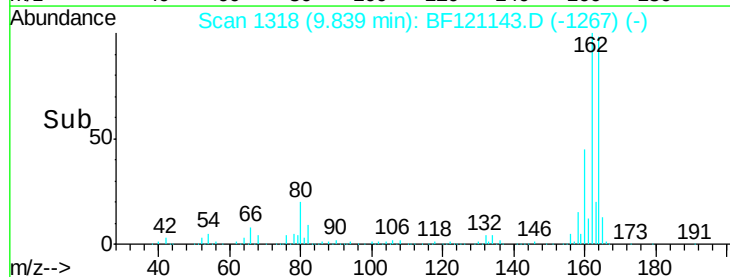
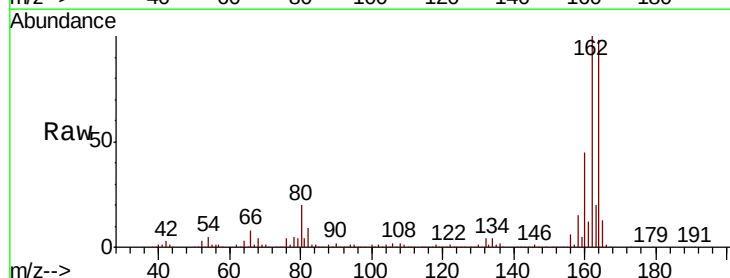
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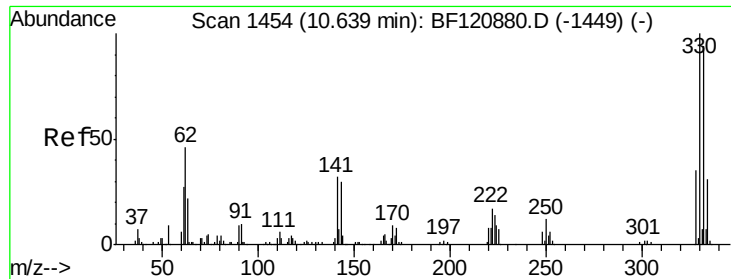
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	45.7	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 14.276 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :

BNA_F

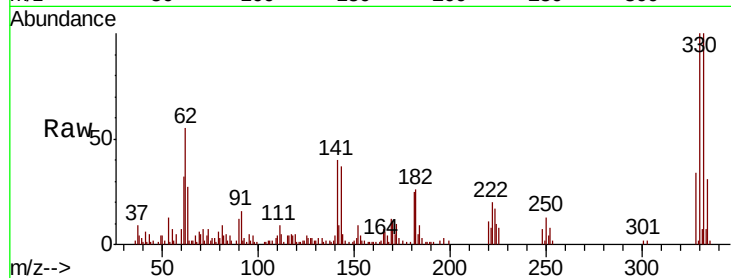
ClientSampled :

22

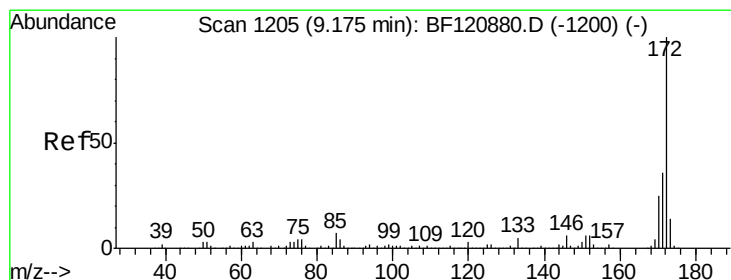
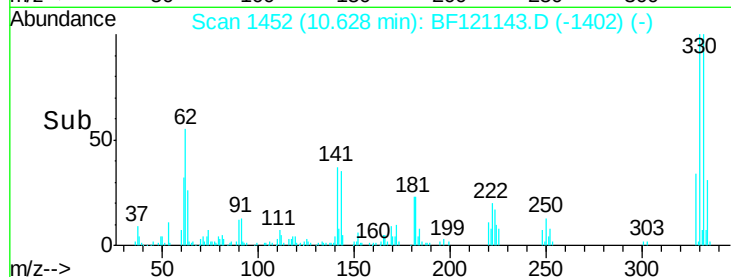
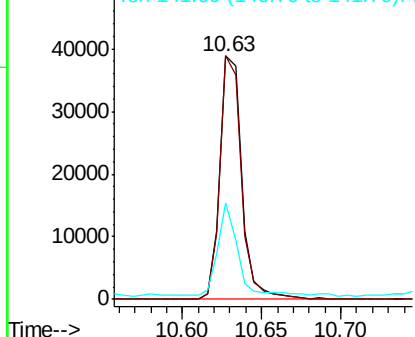
Tot Ion:	330	Resp:	37362
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.1	114.1
141	35.1	24.1	36.1

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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: 13.922 ng

RT: 9.16 min Scan# 1202

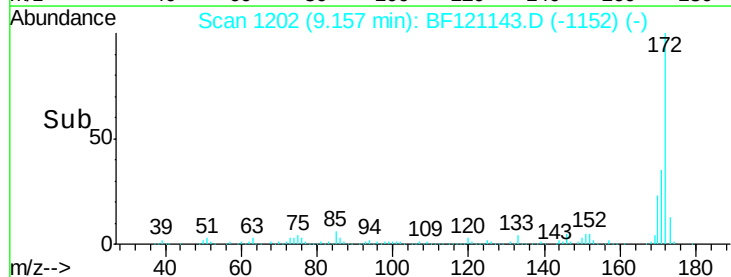
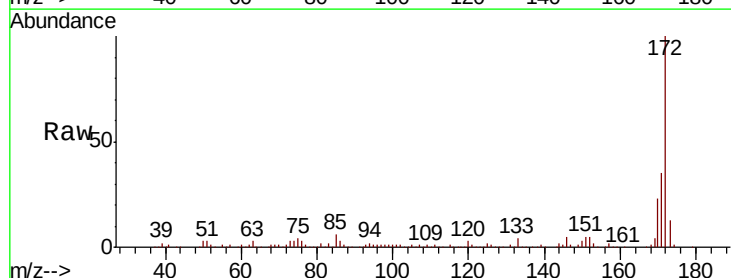
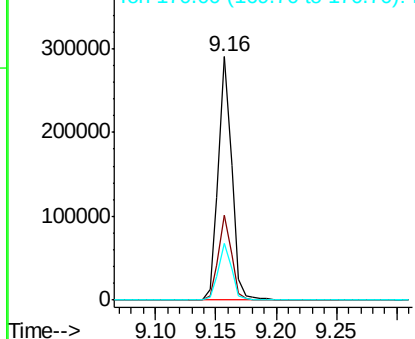
Delta R.T. -0.01 min

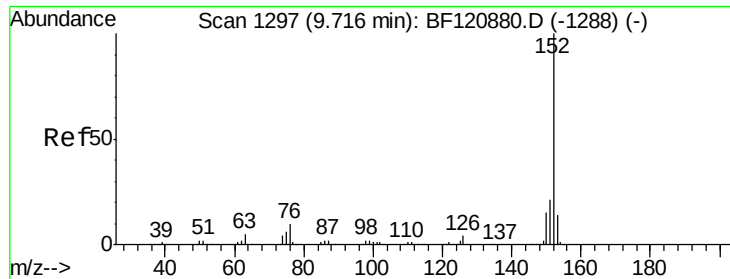
Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Tgt Ion:	172	Resp:	222947
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.0	43.4
170	23.2	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





#49

Acenaphthylene

Concen: 2.194 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :

BNA_F

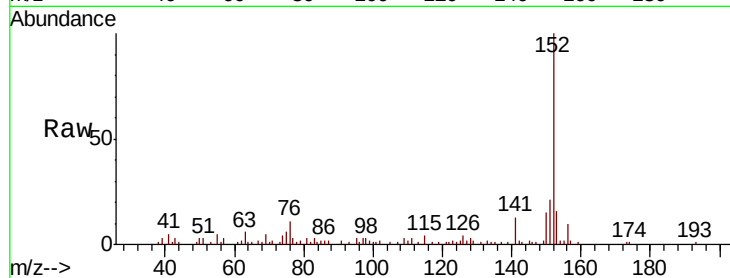
ClientSampleId :

22

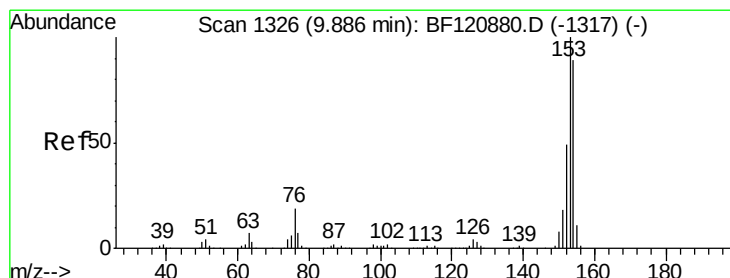
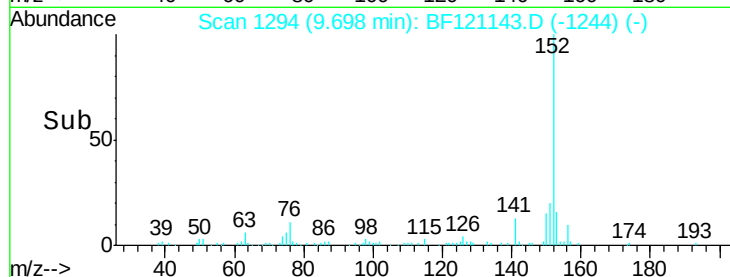
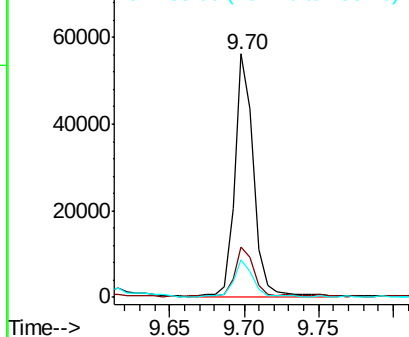
Tot Ion:	152	Resp:	50688
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.6	25.0
153	15.5	11.0	16.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#52

Acenaphthene

Concen: 2.022 ng

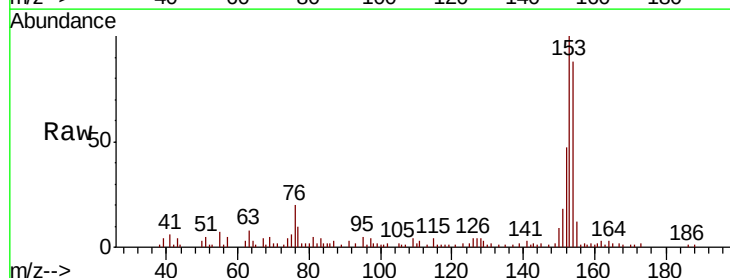
RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

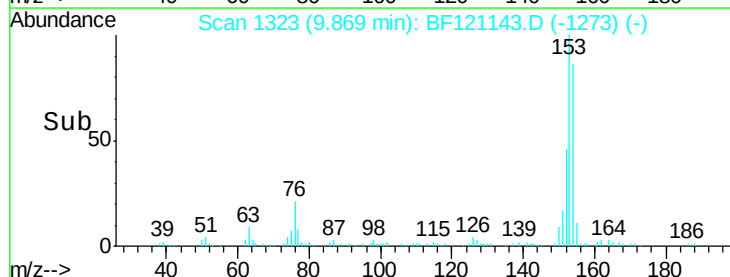
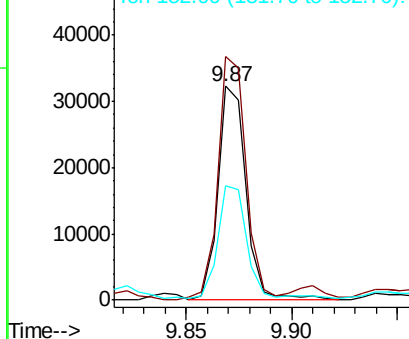
Lab File: BF121143.D

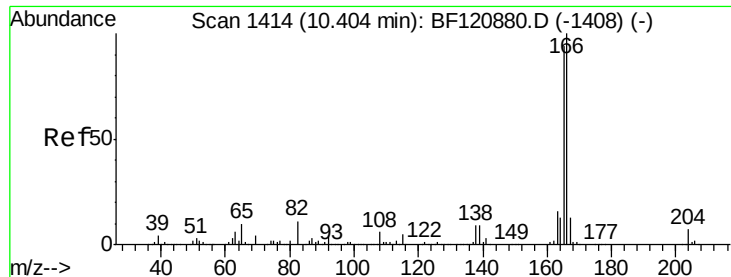
Acq: 30 Jul 2020 22:53

Tgt Ion:	154	Resp:	29696
Ion Ratio	Lower	Upper	
154	100		
153	113.8	89.6	134.4
152	53.4	43.8	65.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





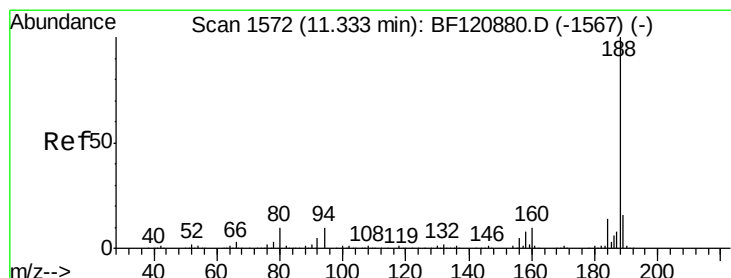
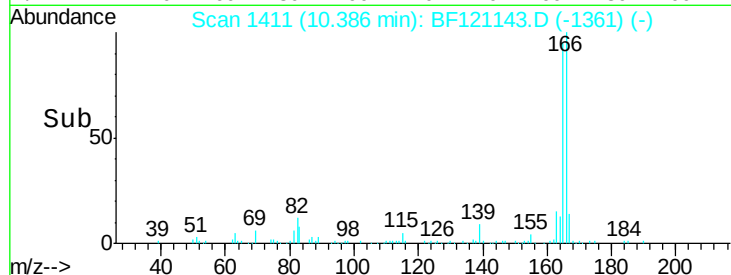
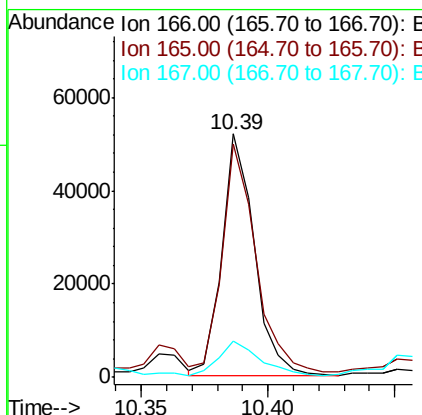
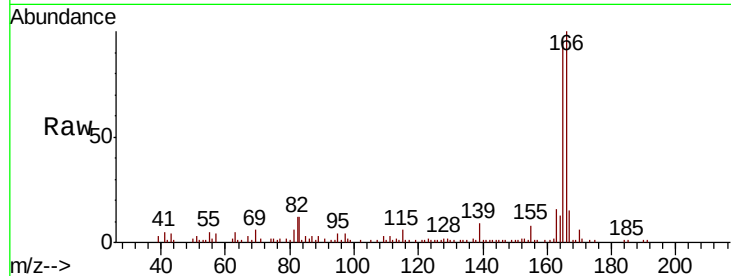
#58
 Fluorene
 Concen: 2.900 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 22

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	95.9	76.4	114.6	
167	15.1	10.7	16.1	

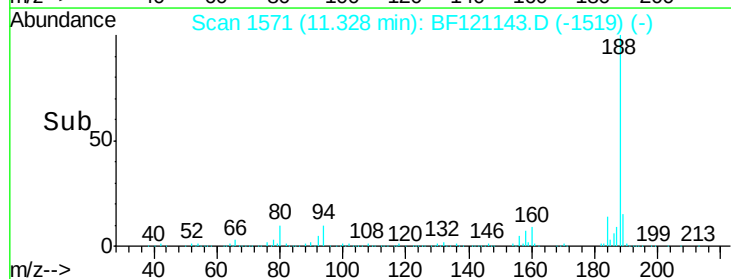
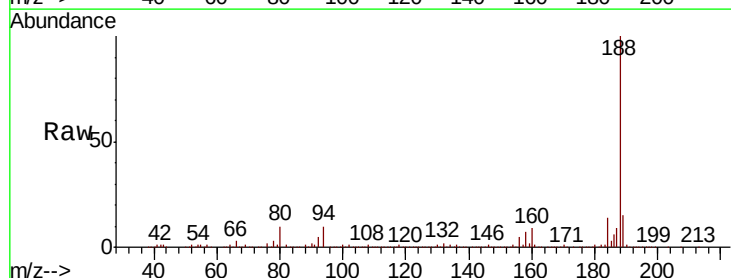
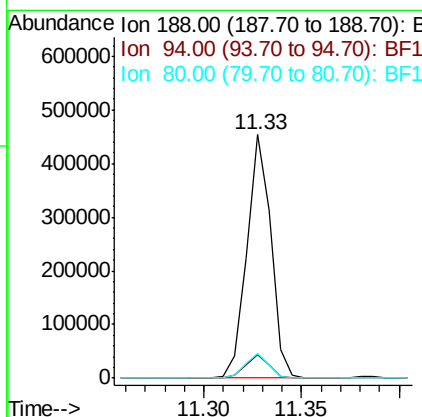
Manual Integrations
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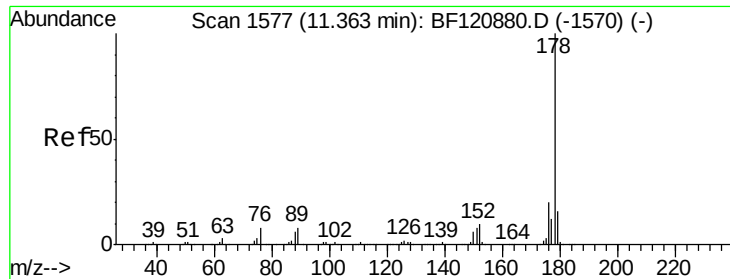
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.9	8.0	12.0	
80	9.9	8.3	12.5	





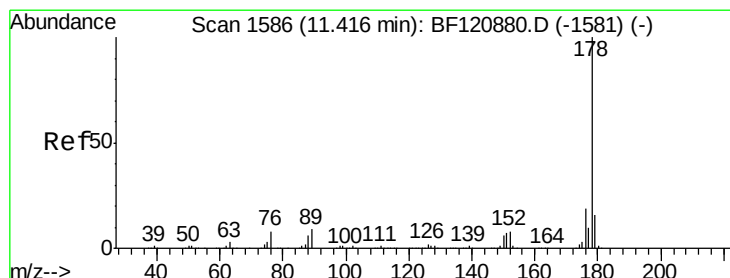
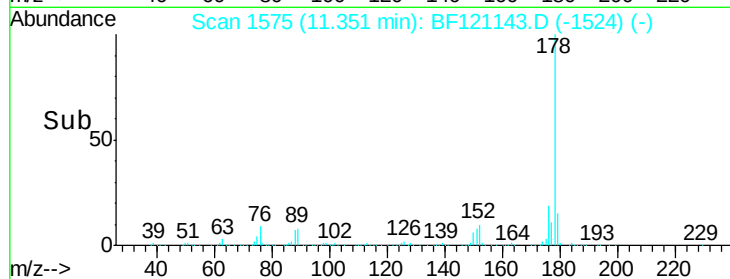
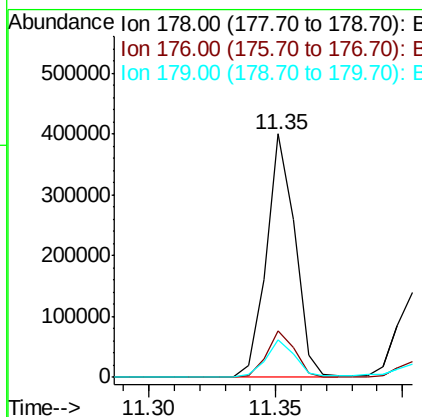
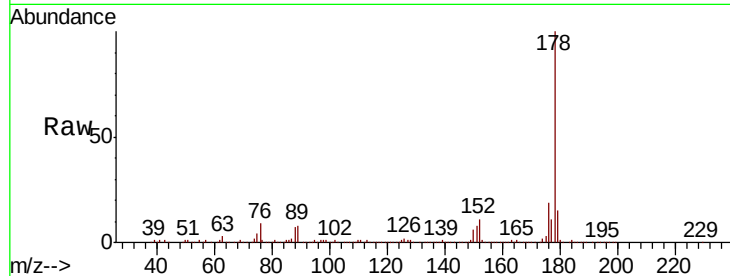
#71
Phenanthrene
Concen: 15.644 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampled :
22

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.2
179	15.5	12.6	19.0

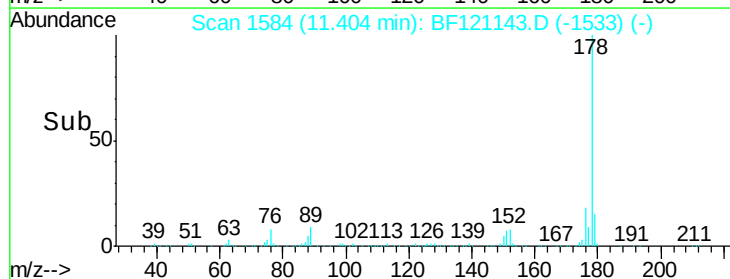
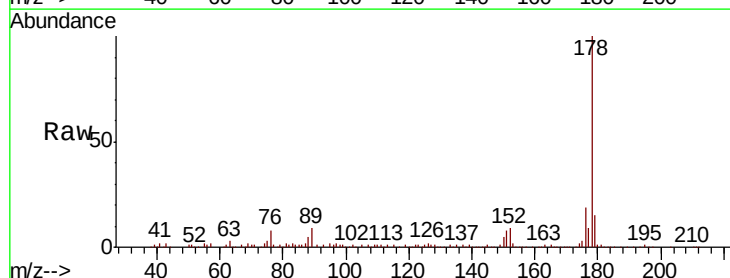
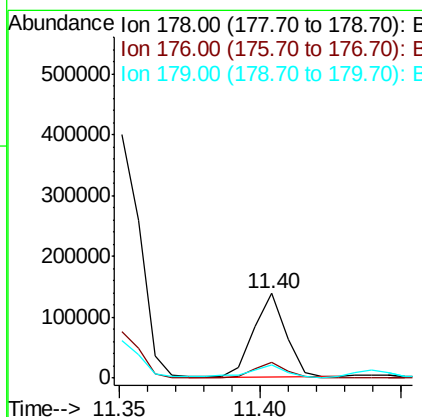
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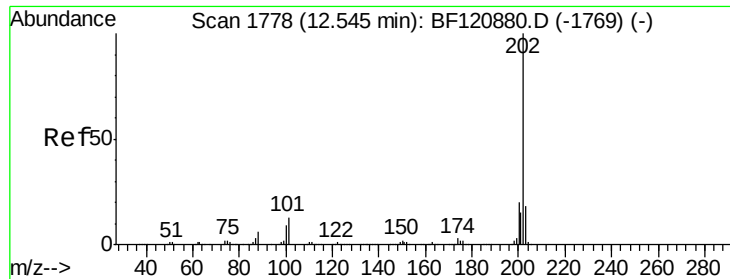
Sohil
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#72
Anthracene
Concen: 5.475 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.3	12.6	19.0





#75

Fluoranthene

Concen: 22.519 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :

BNA_F

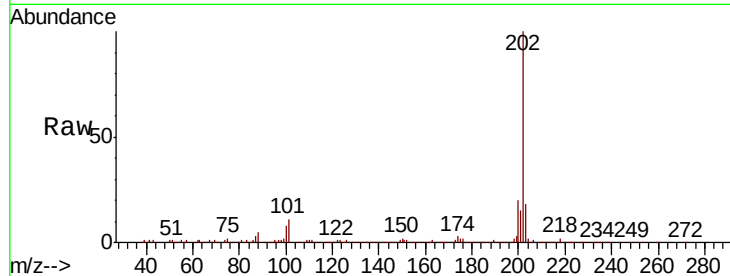
ClientSampleId :

22

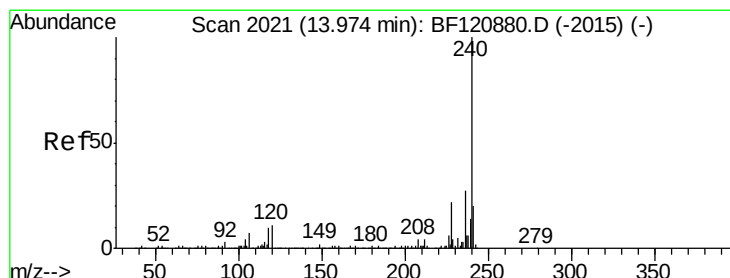
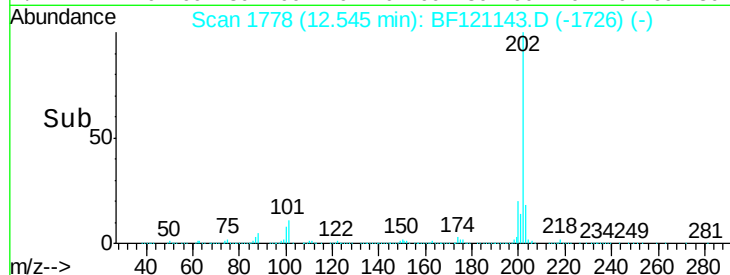
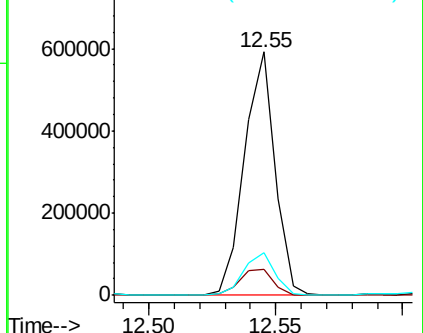
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		496623		
101	10.8	0.0	30.5		
203	17.7	0.0	37.7		

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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

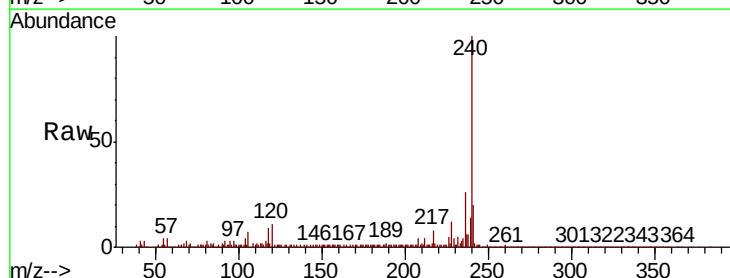
RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

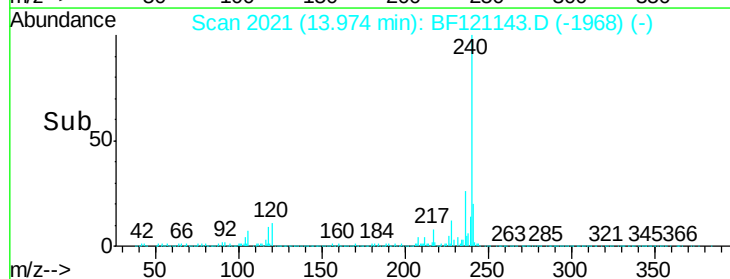
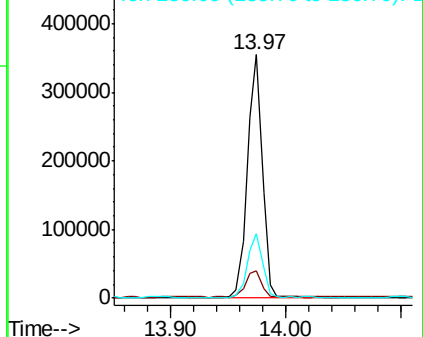
Lab File: BF121143.D

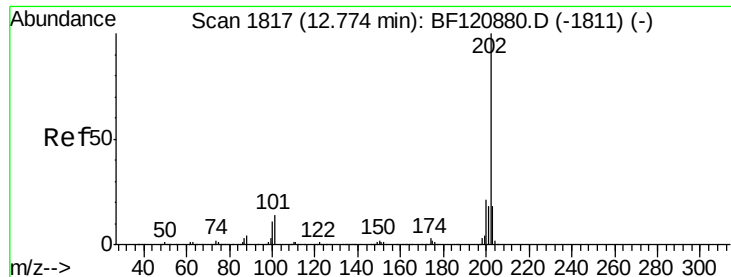
Acq: 30 Jul 2020 22:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		313300		
120	11.1	9.3	13.9		
236	26.4	21.1	31.7		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





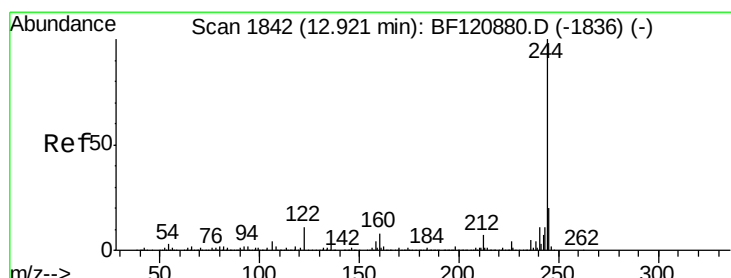
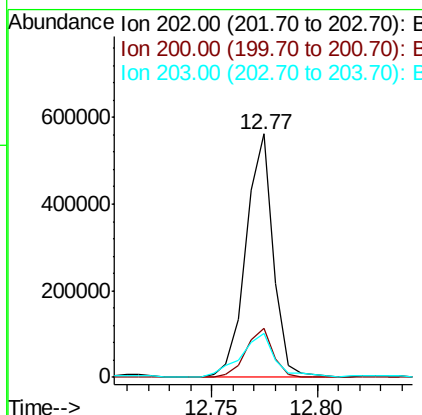
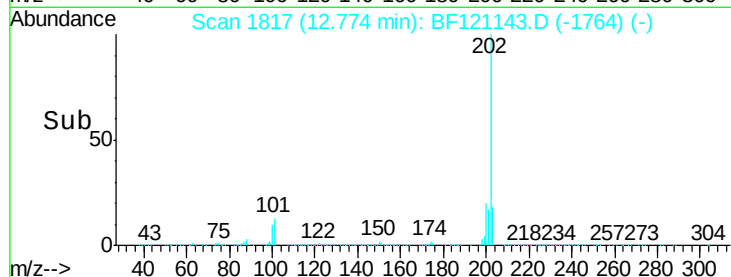
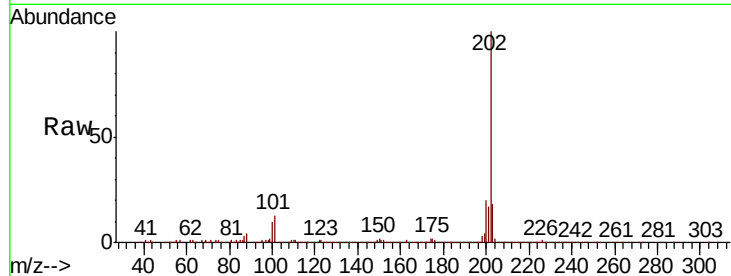
#78
Pvrene
Concen: 22.632 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampleId :
22

Tot Ion	Ratio	Resp	Lower	Upper
202	100	501307		
200	20.2		17.0	25.6
203	18.1		14.6	21.8

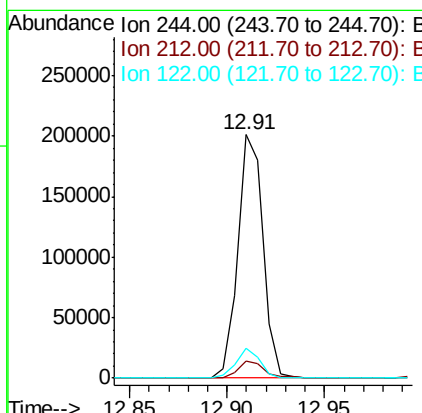
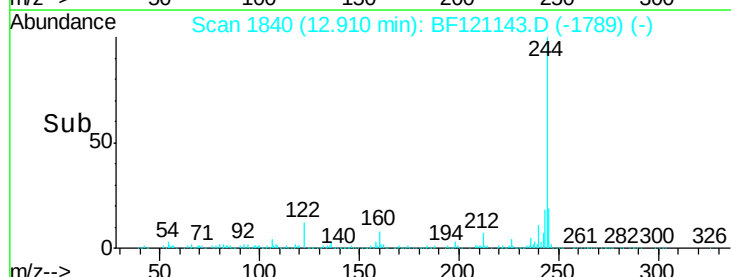
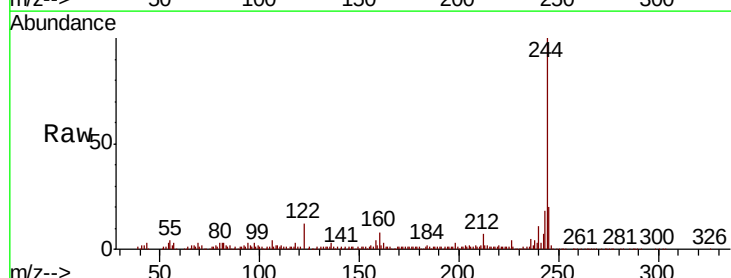
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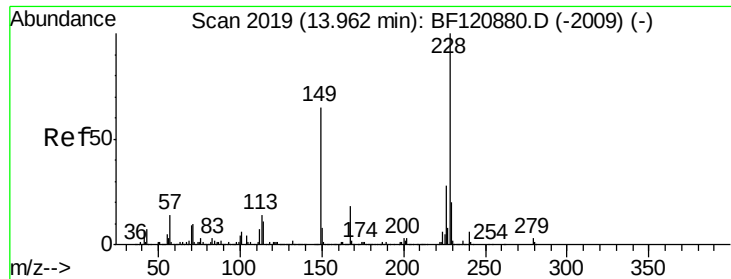
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#79
Terphenyl-d14
Concen: 12.475 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	179798		
212	7.1		5.7	8.5
122	12.1		8.3	12.5





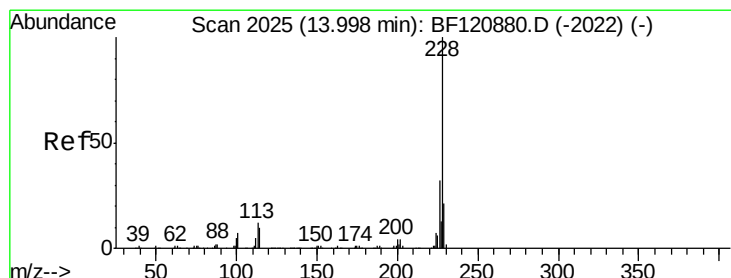
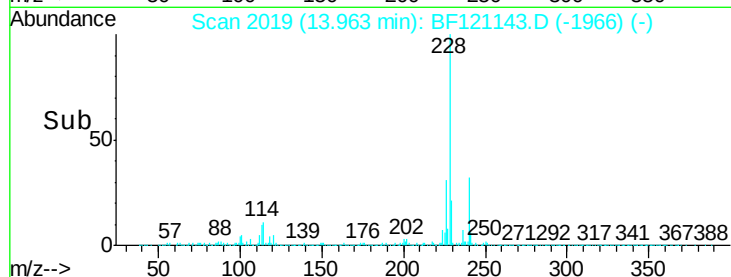
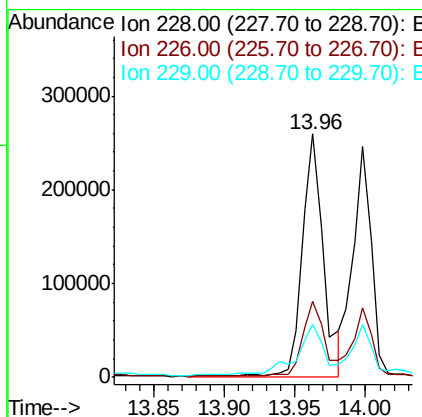
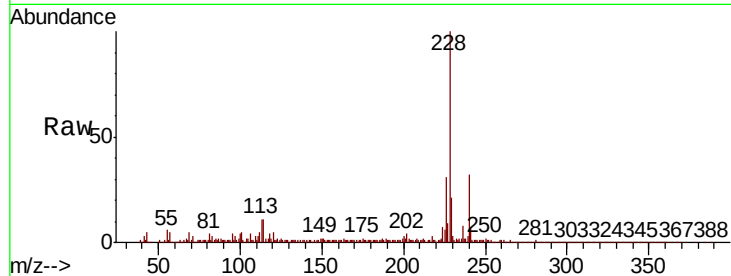
#81
Benzo(a)anthracene
Concen: 14.002 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampled :
22

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	34.0
229	21.5	16.1	24.1

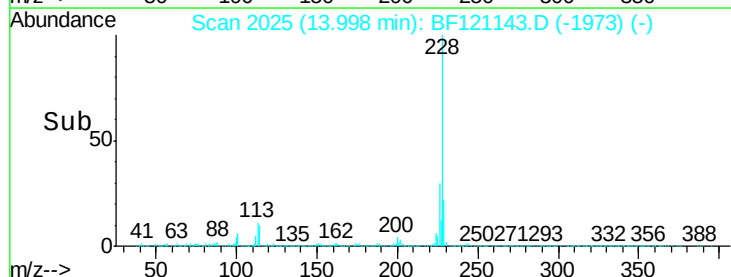
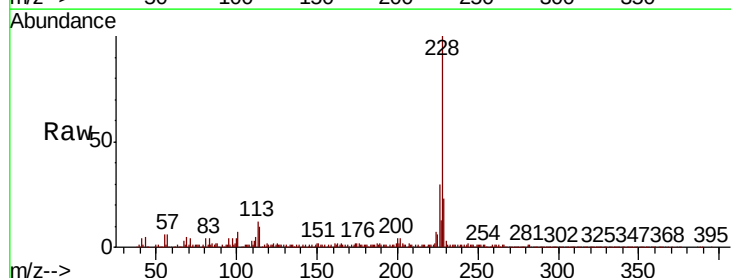
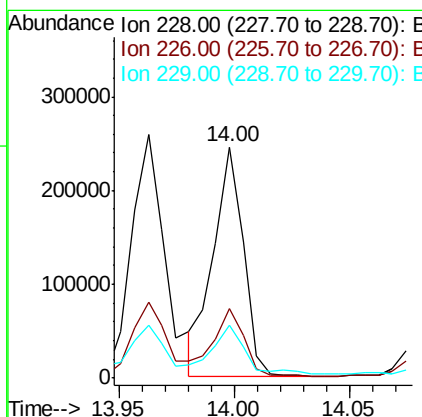
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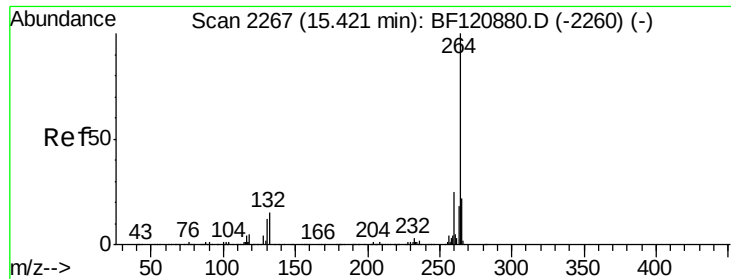
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#83
Chrysene
Concen: 11.183 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	22.7	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.03 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :

BNA_F

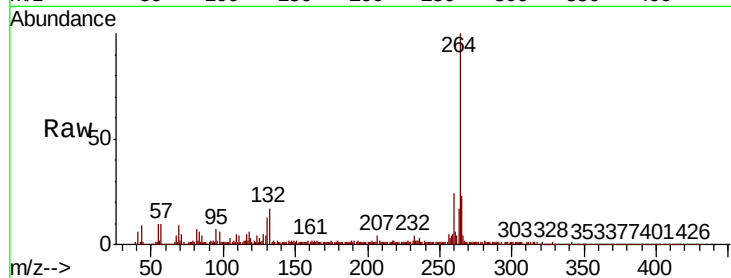
ClientSampled :

22

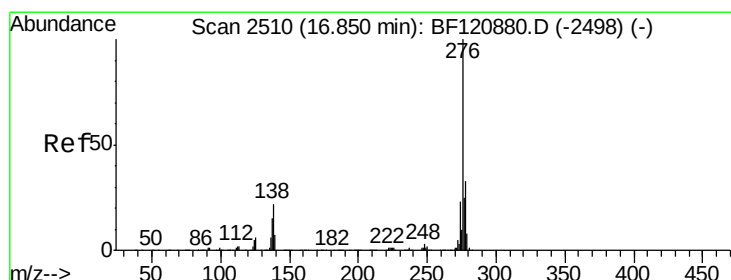
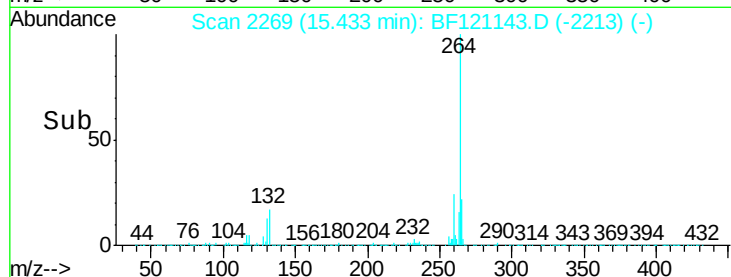
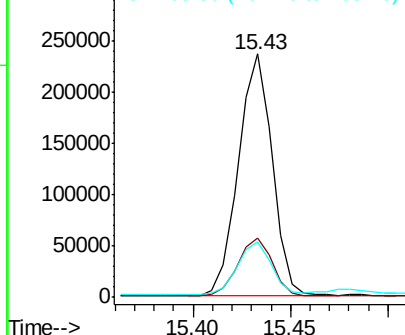
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.9	29.9
265	22.8	17.8	26.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.654 ng

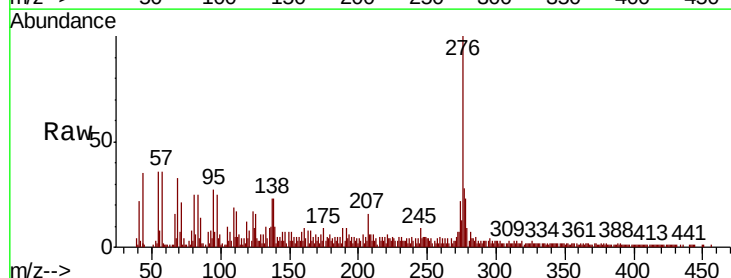
RT: 16.87 min Scan# 2514

Delta R.T. 0.04 min

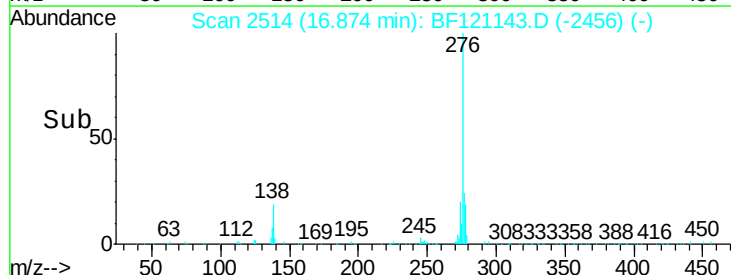
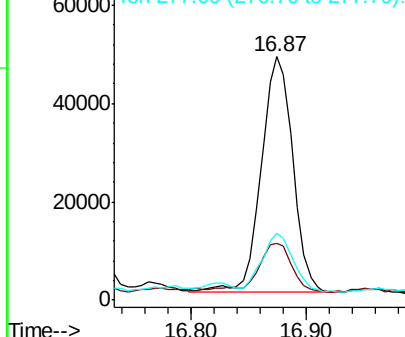
Lab File: BF121143.D

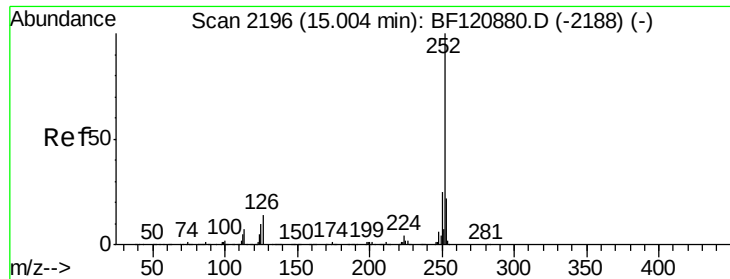
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	19.3	28.9
277	25.4	20.1	30.1



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





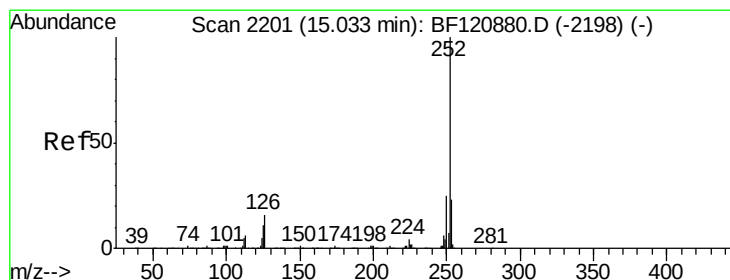
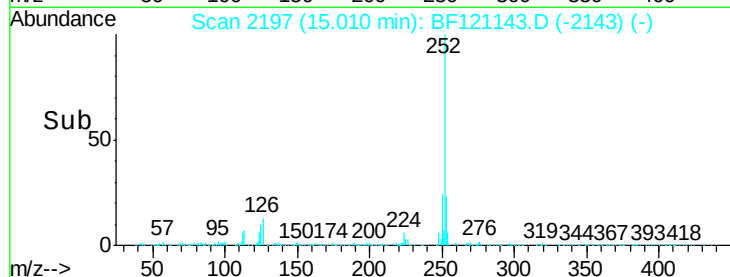
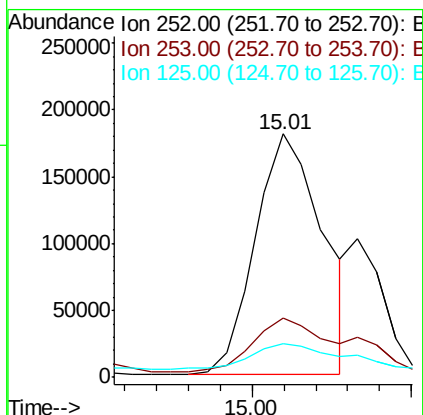
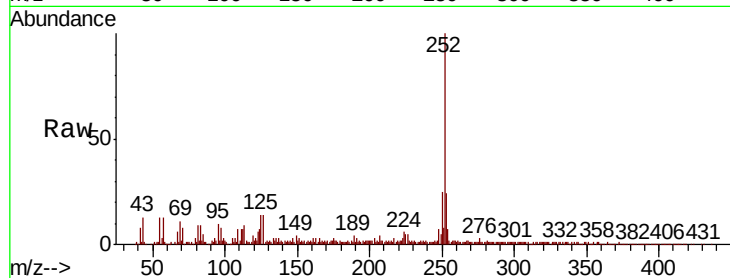
#88
Benzo(b)fluoranthene
Concen: 15.507 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampled :
22

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	13.9	8.1	12.1

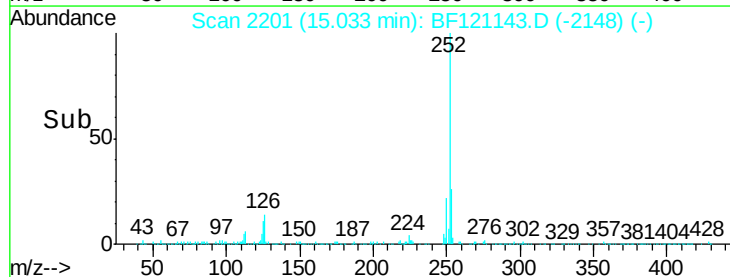
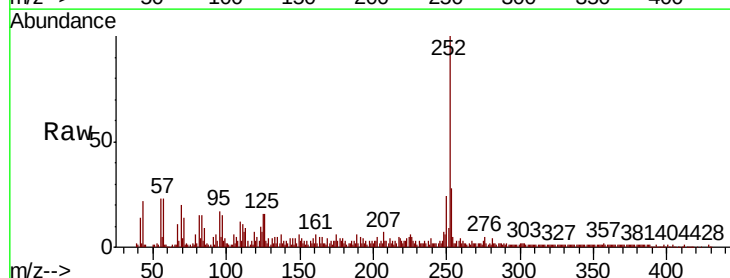
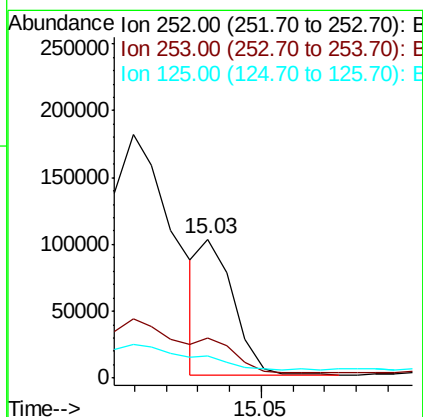
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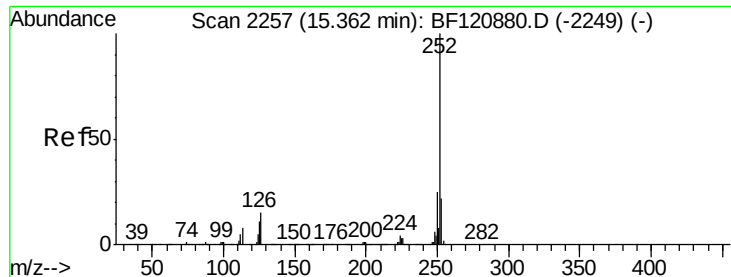
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#89
Benzo(k)fluoranthene
Concen: 4.783 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	18.1	27.1
125	16.1	8.0	12.0





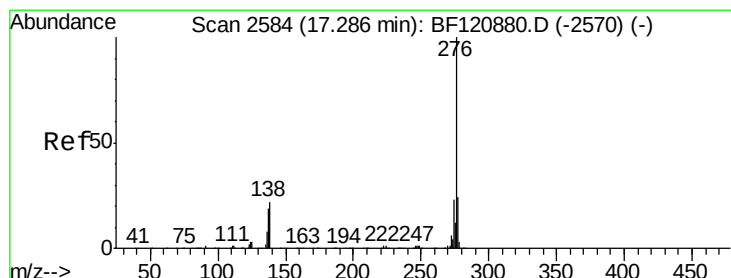
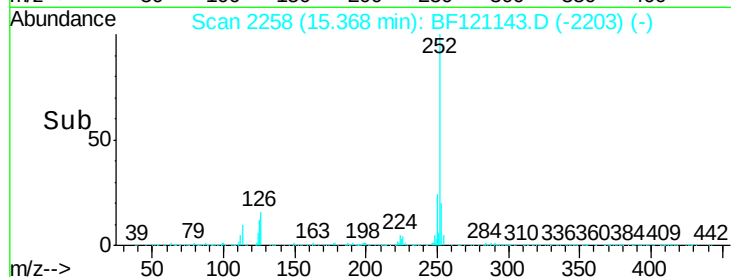
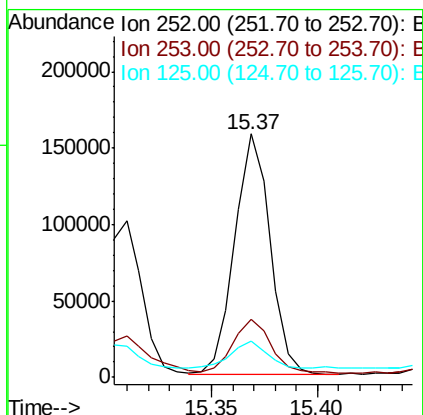
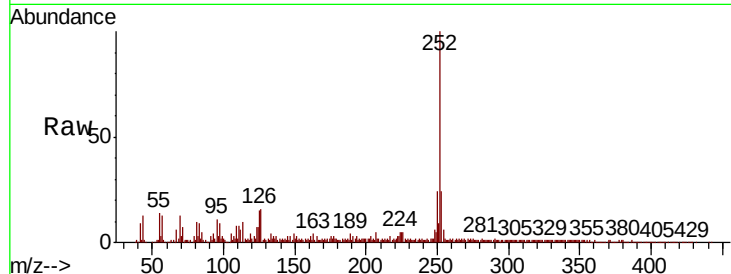
#90
Benzo(a)pyrene
Concen: 11.713 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampled :
22

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	14.7	9.5	14.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.399 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.05 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.4	29.0
138	24.7	17.2	25.8

