

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120041.D
 Acq On : 16 Apr 2020 17:31
 Operator : MA/SJ
 Sample : L2245-26 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21B

Manual Integrations
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Quant Time: Apr 17 04:02:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	136301	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	468087	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	230103	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	345026	20.00	ng	0.00
76) Chrysene-d12	13.89	240	270518	20.00	ng	0.00
87) Perylene-d12	15.32	264	227698	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	304565	38.62	ng	0.00
7) Phenol-d6	6.36	99	388227	38.20	ng	0.00
23) Nitrobenzene-d5	7.29	82	228326	25.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	62166	22.07	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	464836	28.68	ng	0.00
79) Terphenyl-d14	12.84	244	355393	22.11	ng	-0.01
Target Compounds						
71) Phenanthrene	11.27	178	320219	17.439	ng	100
72) Anthracene	11.33	178	78400	4.179	ng	97
75) Fluoranthene	12.46	202	450947	22.760	ng	99
78) Pyrene	12.69	202	452675	19.850	ng	100
81) Benzo(a)anthracene	13.88	228	245681	13.805	ng	99
83) Chrysene	13.92	228	219984	12.165	ng	98
86) Indeno(1,2,3-cd)pyrene	16.70	276	79288	4.974	ng	98
88) Benzo(b)fluoranthene	14.91	252	223441m	13.641	ng	
89) Benzo(k)fluoranthene	14.93	252	69649m	4.928	ng	
90) Benzo(a)pyrene	15.26	252	162564	11.804	ng	99
92) Benzo(g,h,i)perylene	17.12	276	74481	6.185	ng	# 95

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

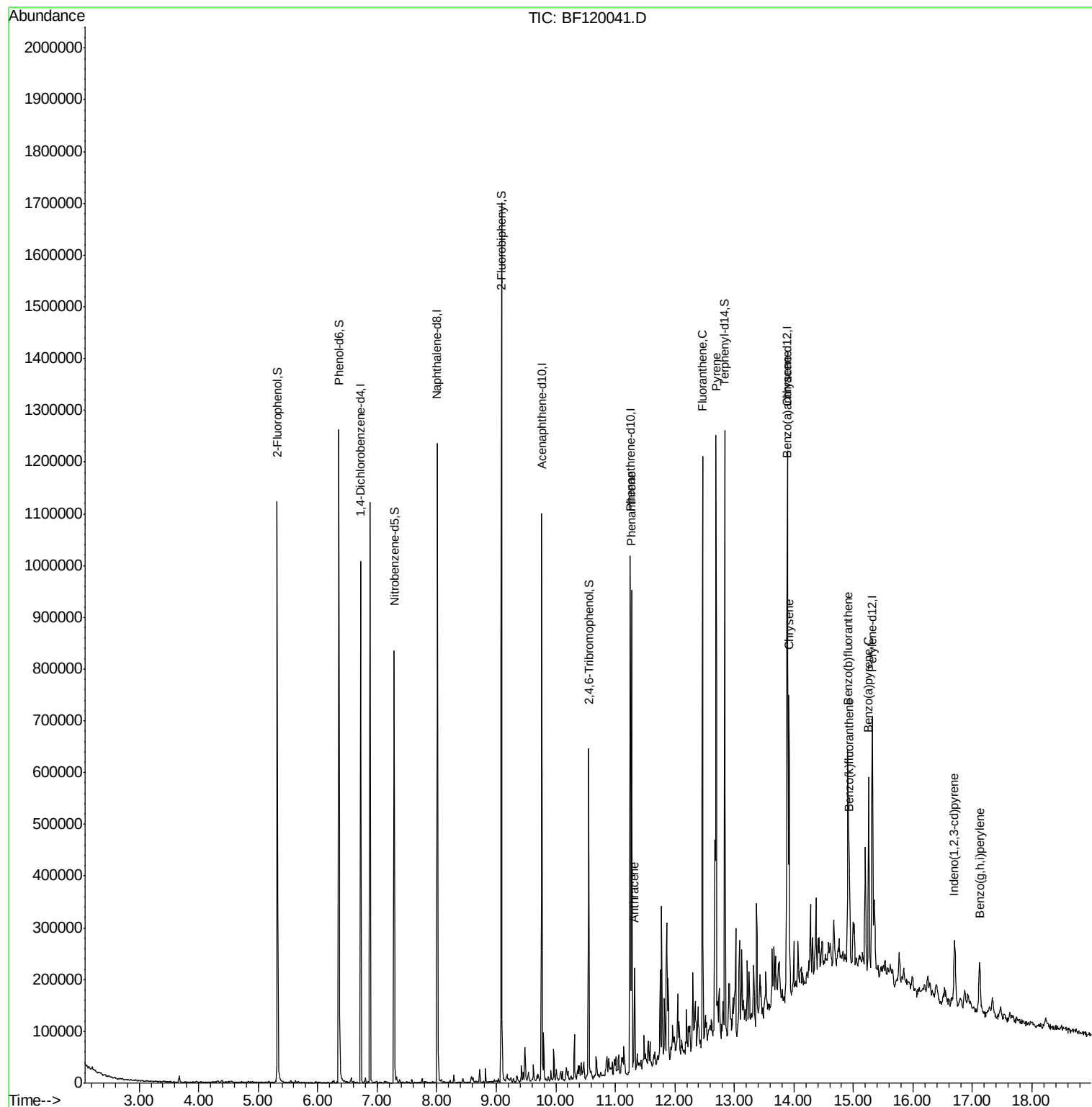
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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ALS Vial : 49 Sample Multiplier: 1

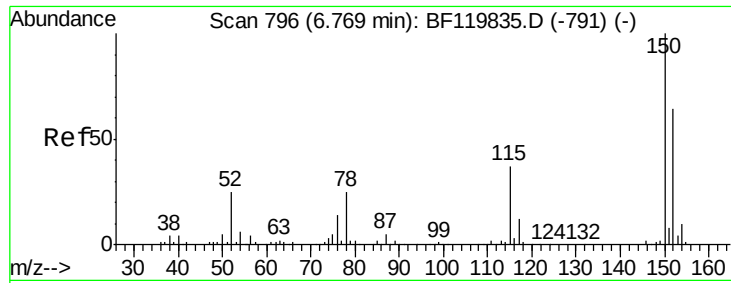
Instrument :
BNA_F
ClientSampleId :
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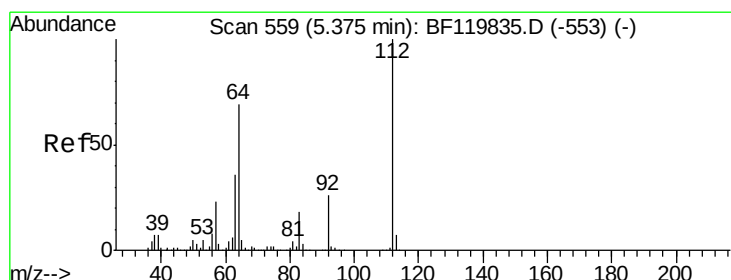
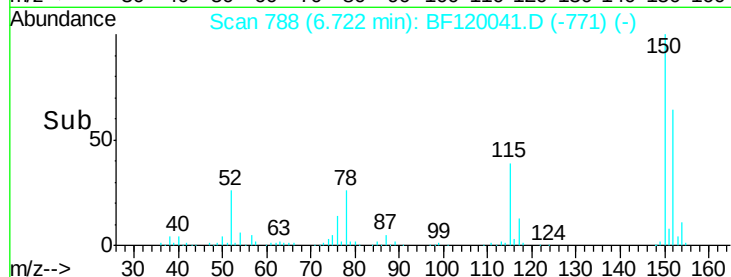
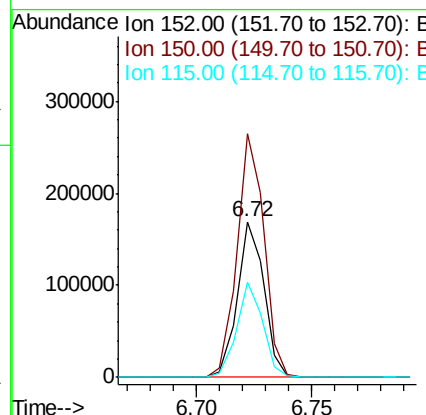
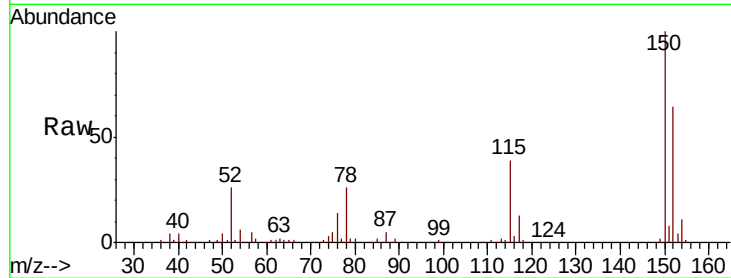
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF120041.D
 Acq: 16 Apr 2020 17:31

Instrument :
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 ClientSampleId :
 TP-21B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.8	187.2
115	60.7	46.5	69.7

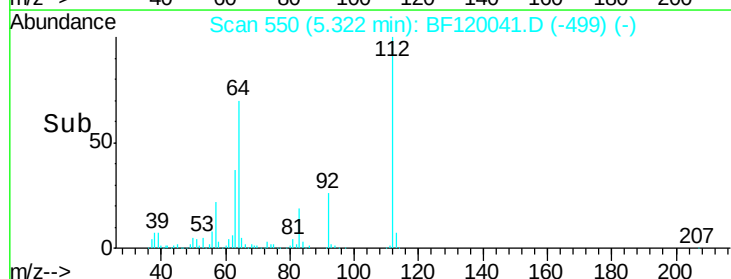
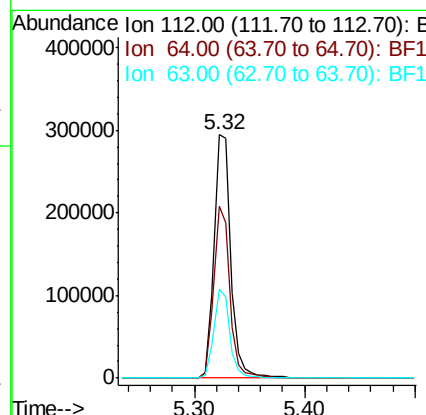
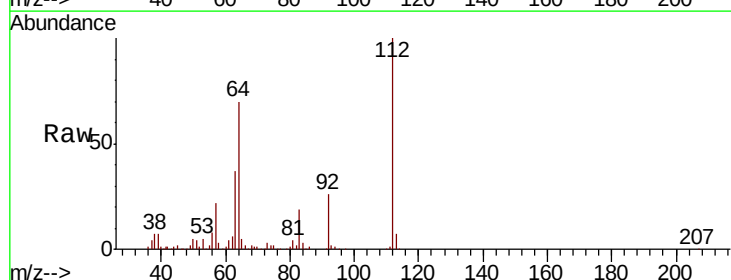
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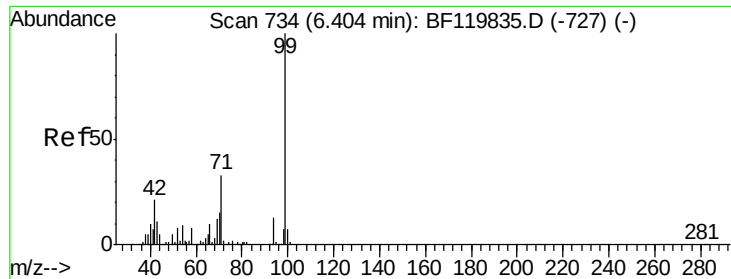
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#5
 2-Fluorophenol
 Concen: 38.616 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF120041.D
 Acq: 16 Apr 2020 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	55.5	83.3
63	36.6	29.1	43.7





#7

Phenol-d6

Concen: 38.201 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120041.D

Acq: 16 Apr 2020 17:31

Instrument :

BNA_F

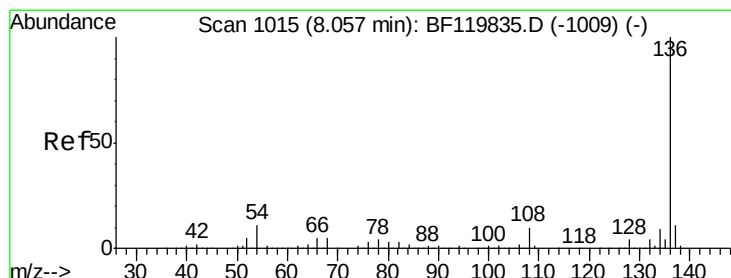
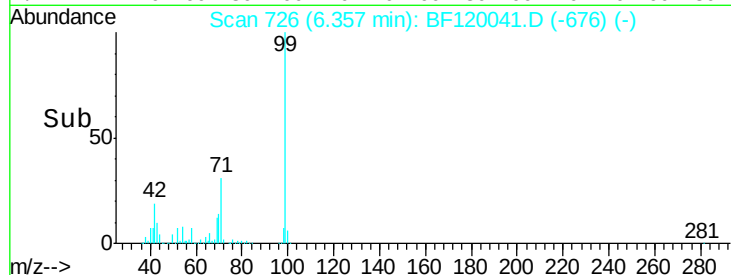
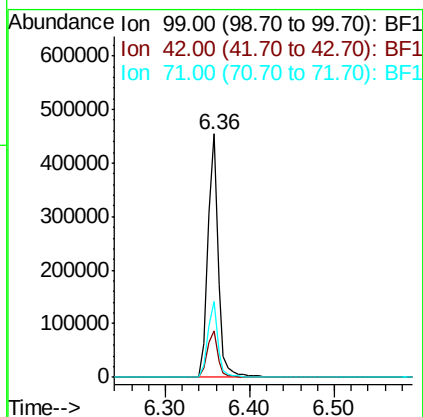
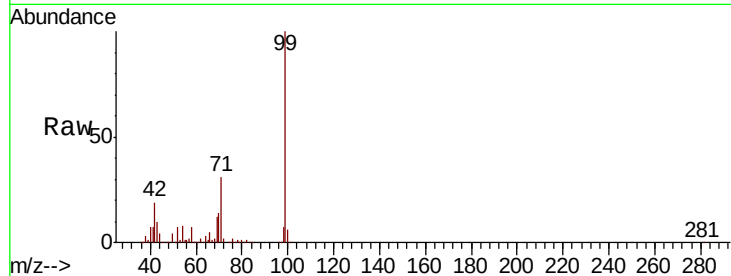
ClientSampleId :

TP-21B

Tot Ion:	99	Resp:	388227
Ion Ratio	Lower	Upper	
99	100		
42	19.1	16.9	25.3
71	31.4	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

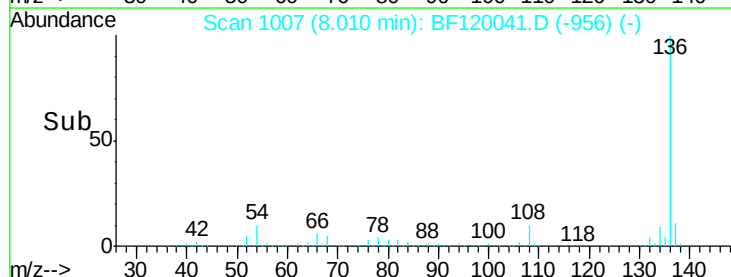
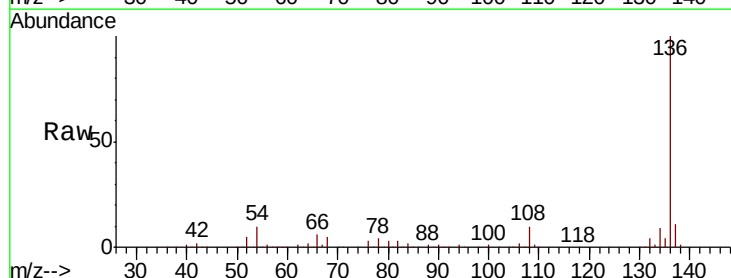
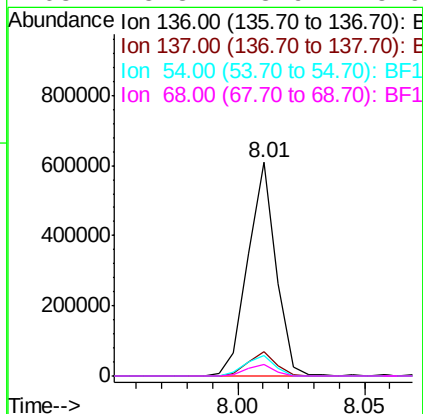
RT: 8.01 min Scan# 1007

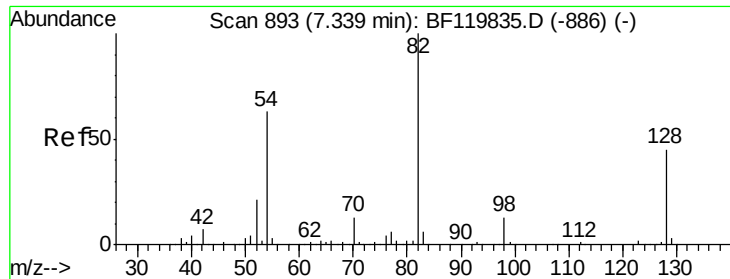
Delta R.T. 0.00 min

Lab File: BF120041.D

Acq: 16 Apr 2020 17:31

Tgt Ion:	136	Resp:	468087
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	9.9	8.5	12.7
68	5.3	3.9	5.9





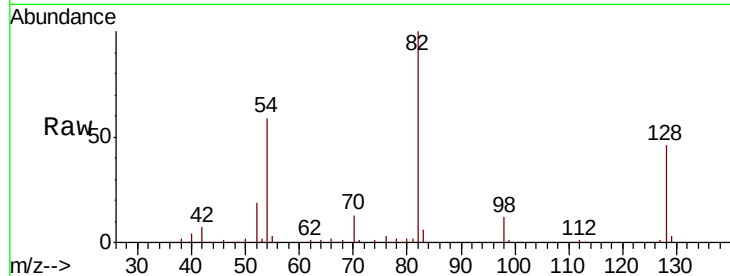
#23
Nitrobenzene-d5
Concen: 25.235 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Instrument :
BNA_F
ClientSampled :
TP-21B

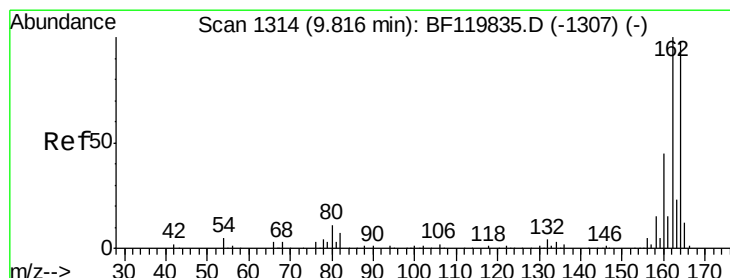
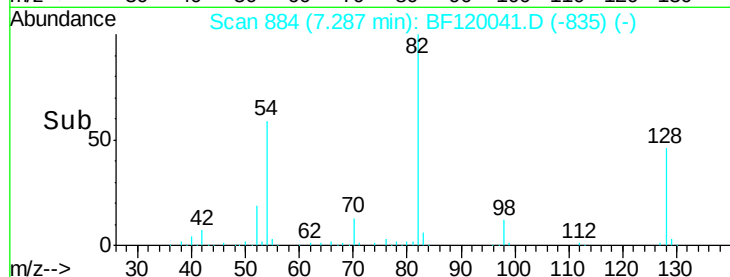
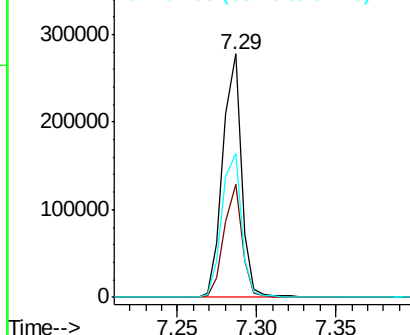
Tot Ion	82	Resp	228326
Ion Ratio	100	Lower	Upper
82	100		
128	46.3	36.2	54.4
54	59.1	50.4	75.6

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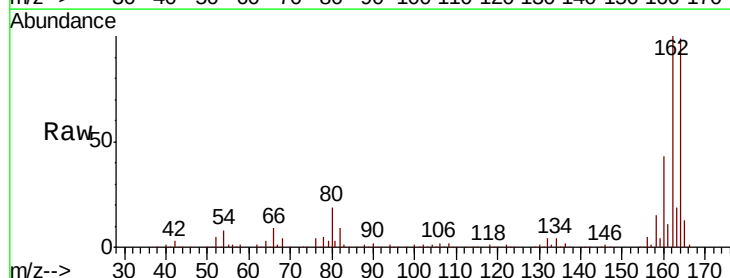


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

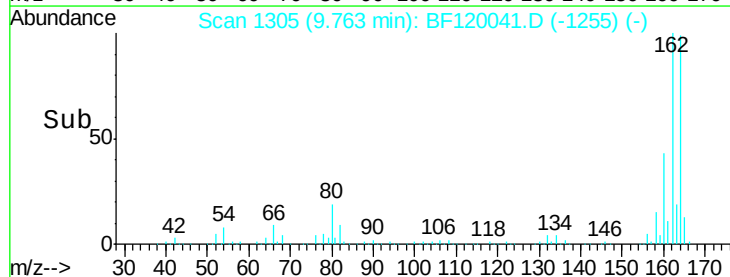
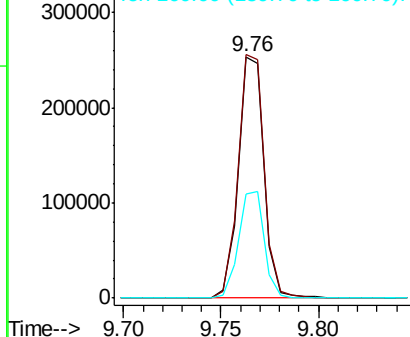


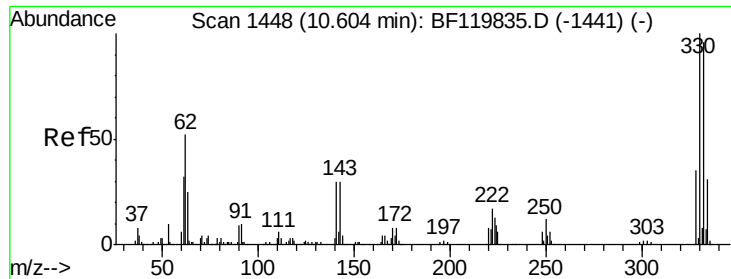
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Tgt Ion	164	Resp	230103
Ion Ratio	100	Lower	Upper
164	100		
162	101.0	81.9	122.9
160	43.0	36.6	54.8



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 22.066 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF120041.D

Acq: 16 Apr 2020 17:31

Instrument :

BNA_F

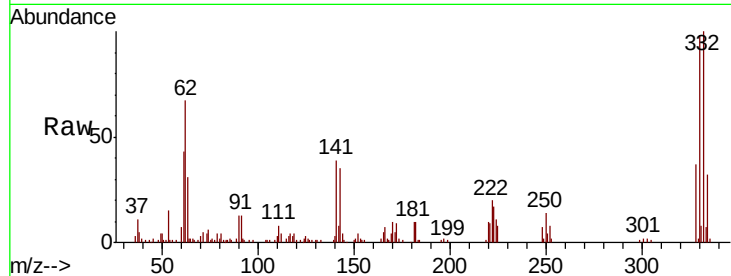
ClientSampleId :

TP-21B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	62166		
332	100.3	76.8	115.2	
141	38.3	25.1	37.7	

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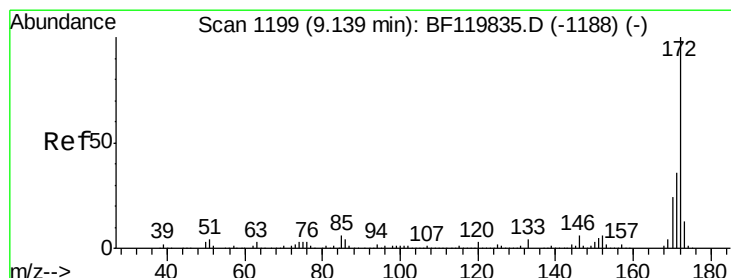
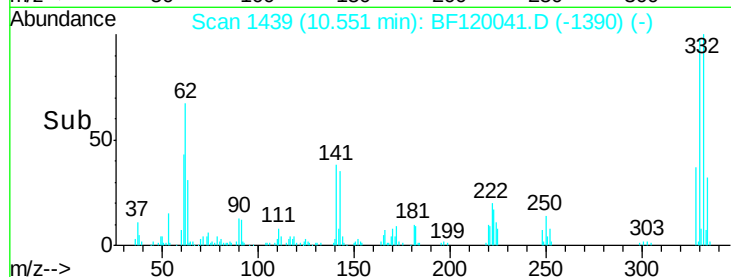
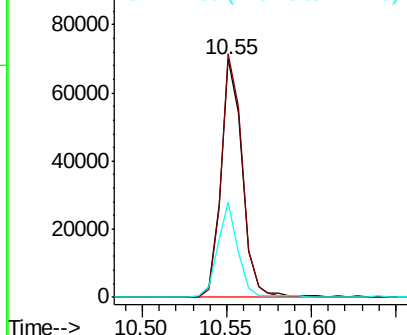


Abundance

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: 28.681 ng

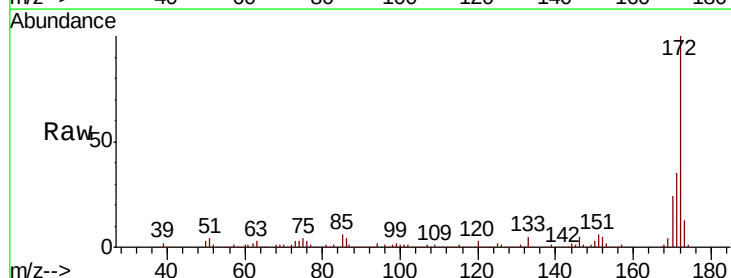
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF120041.D

Acq: 16 Apr 2020 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	464836		
171	35.3	28.9	43.3	
170	23.8	19.4	29.2	

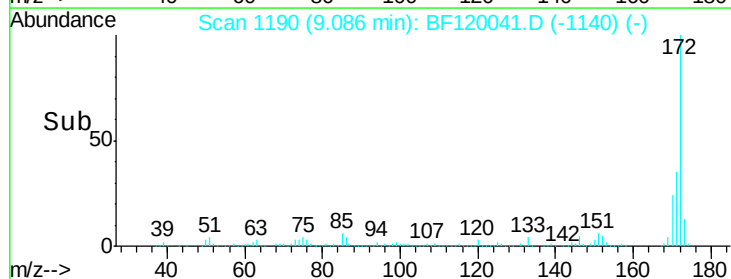
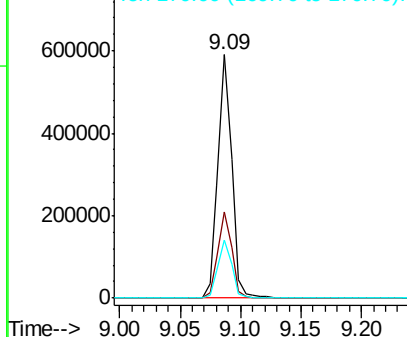


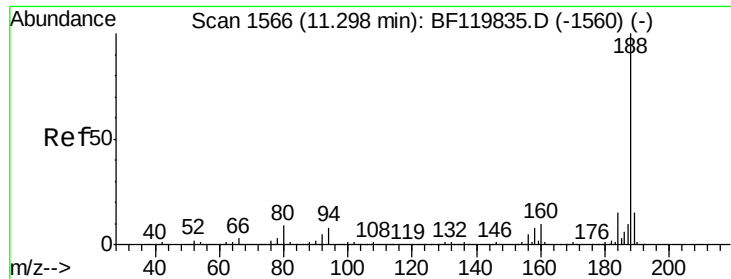
Abundance

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





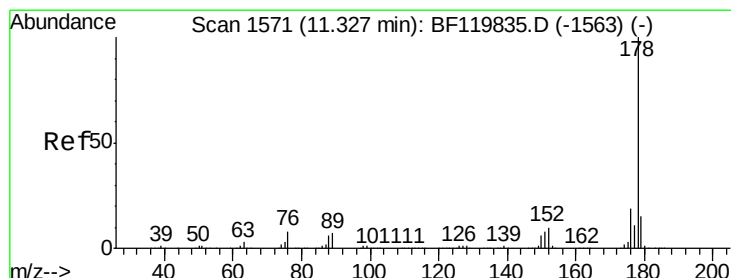
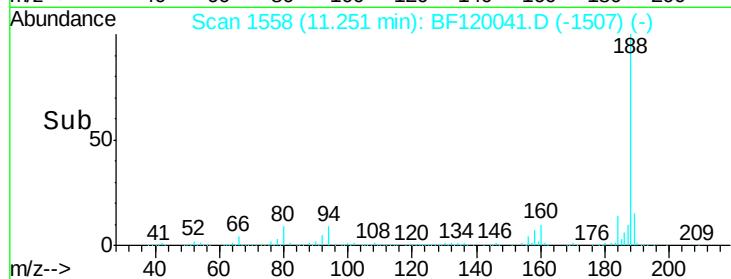
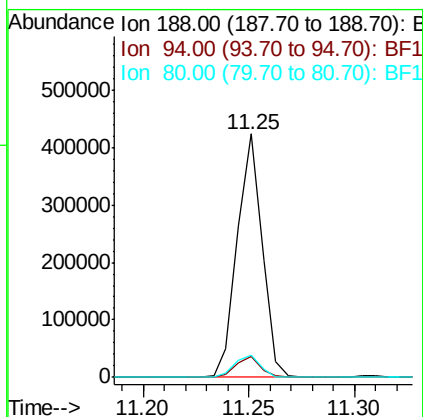
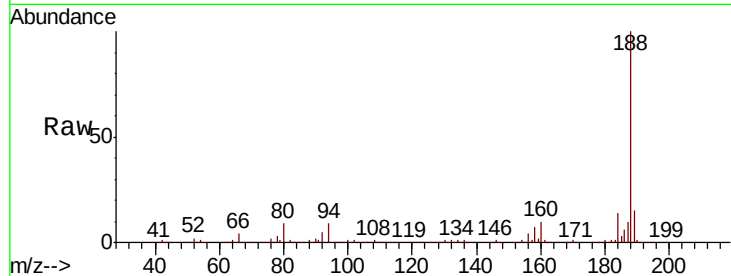
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Instrument :
BNA_F
ClientSampled :
TP-21B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	345026		
94	8.8		6.7	10.1
80	8.9		7.4	11.2

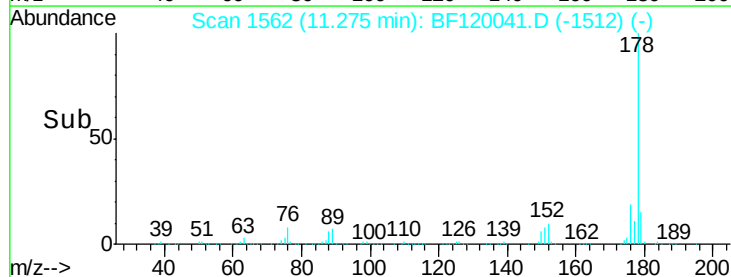
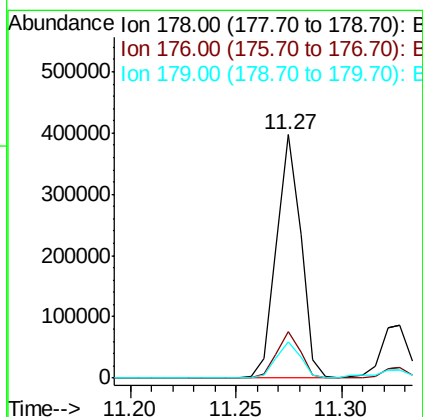
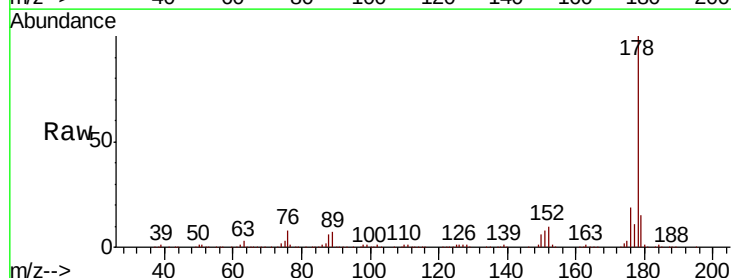
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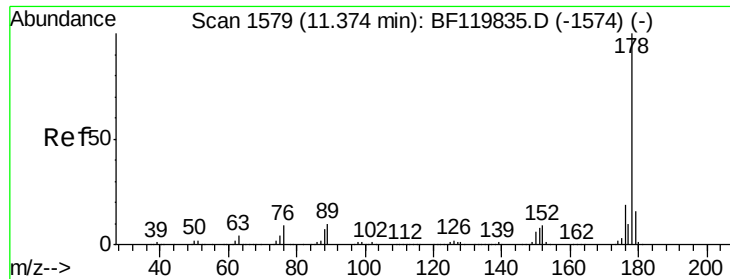
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#71
Phenanthrene
Concen: 17.439 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	320219		
176	18.9		15.1	22.7
179	15.1		12.2	18.4





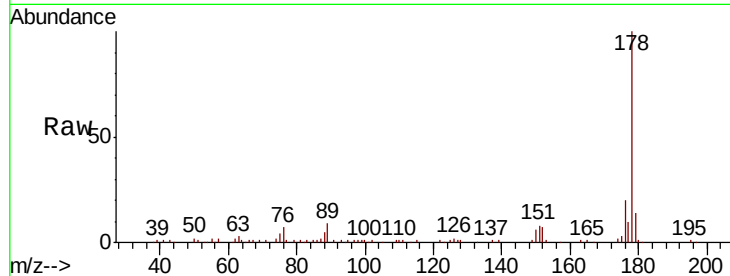
#72
 Anthracene
 Concen: 4.179 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF120041.D
 Acq: 16 Apr 2020 17:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-21B

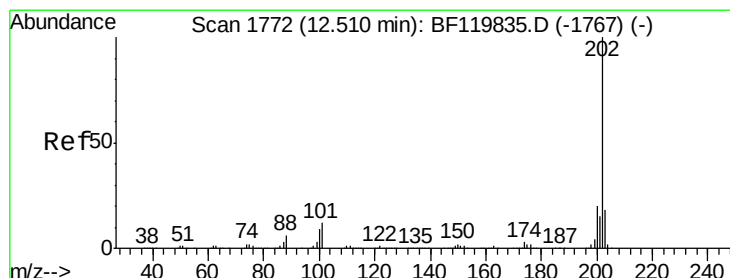
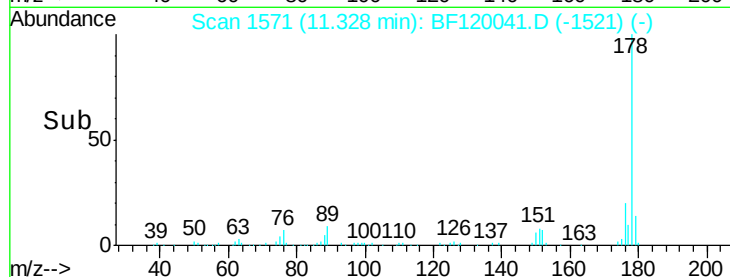
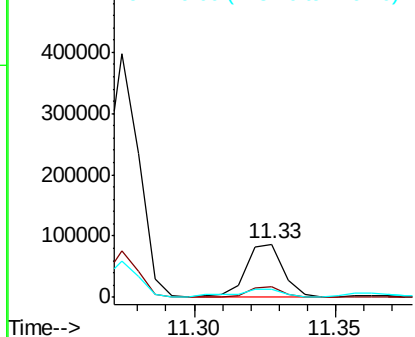
Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.8	15.4	23.2	
179	14.0	12.8	19.2	

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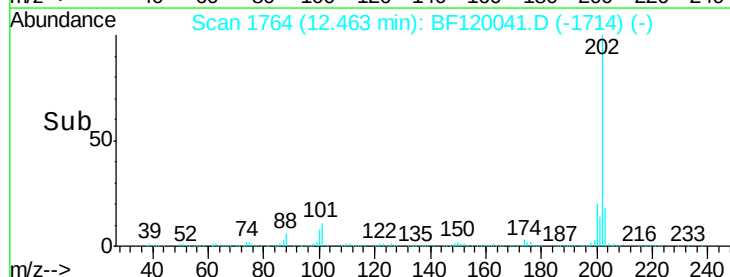
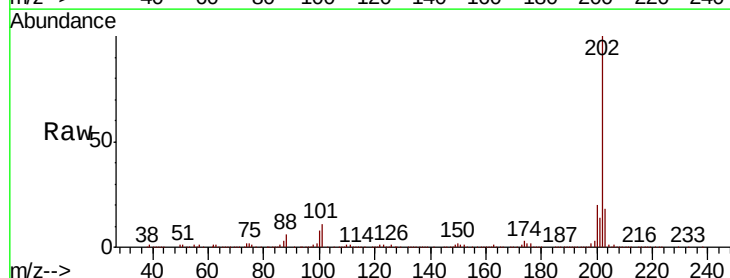
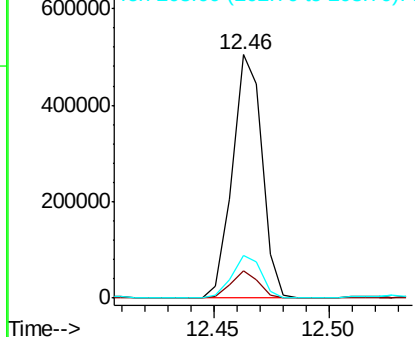
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

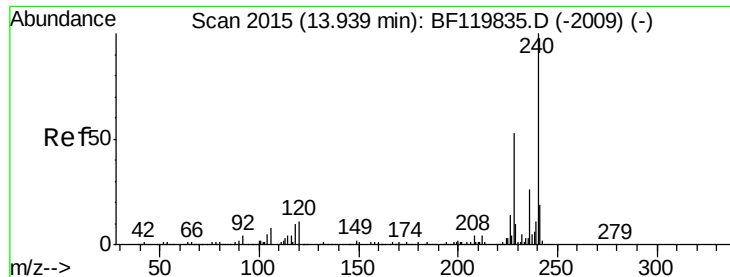


#75
 Fluoranthene
 Concen: 22.760 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF120041.D
 Acq: 16 Apr 2020 17:31

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	11.5	0.0	32.3	
203	17.7	0.0	37.6	

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





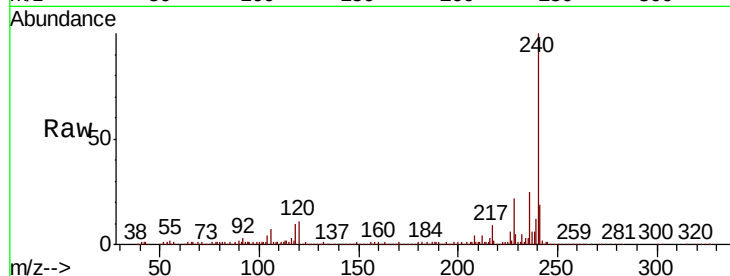
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Instrument :
BNA_F
ClientSampleId :
TP-21B

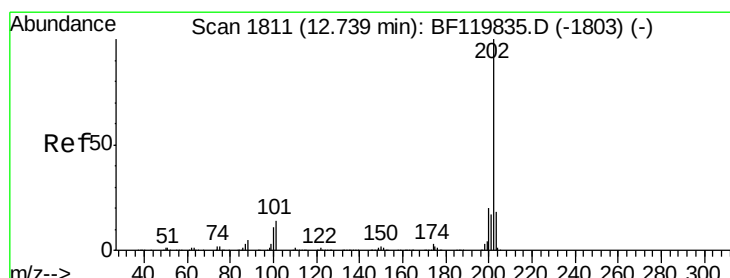
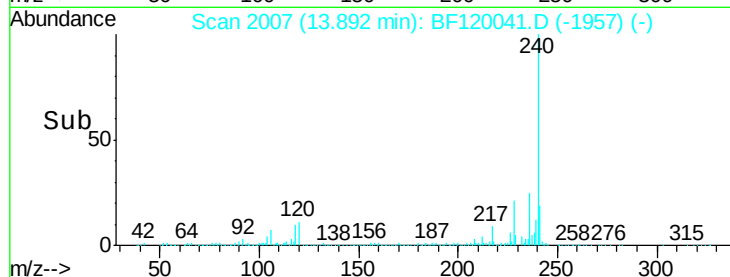
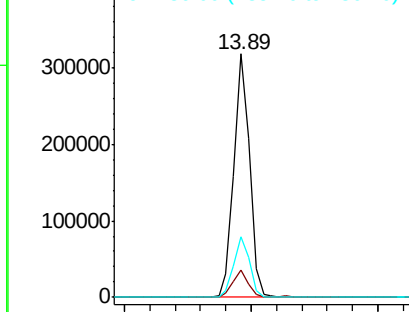
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.6
236	24.7	20.7	31.1

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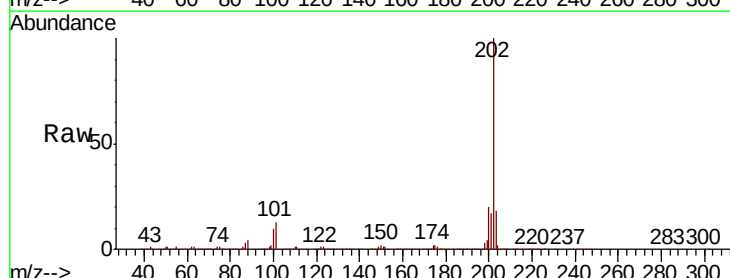


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

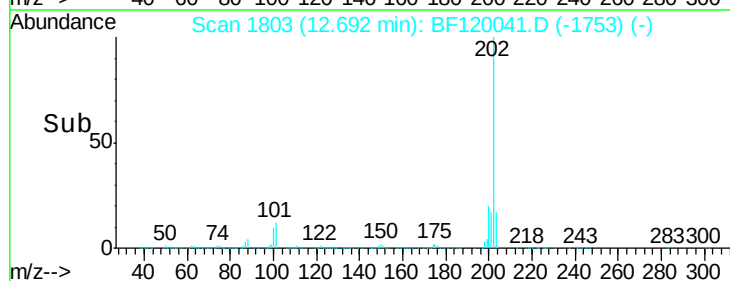
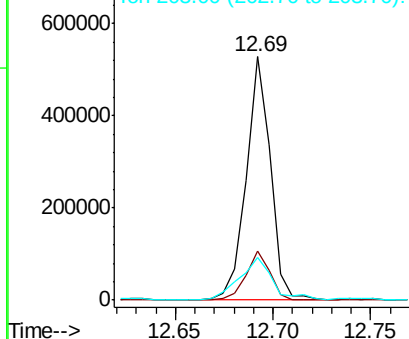


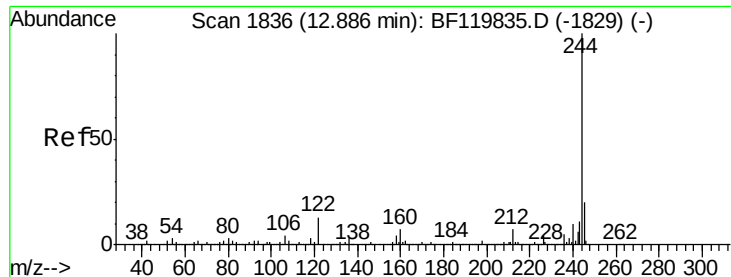
#78
Pyrene
Concen: 19.850 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.5	14.1	21.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





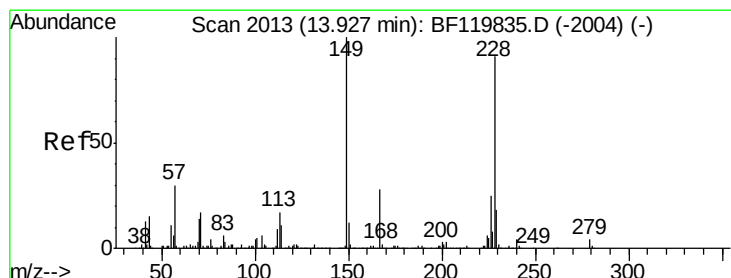
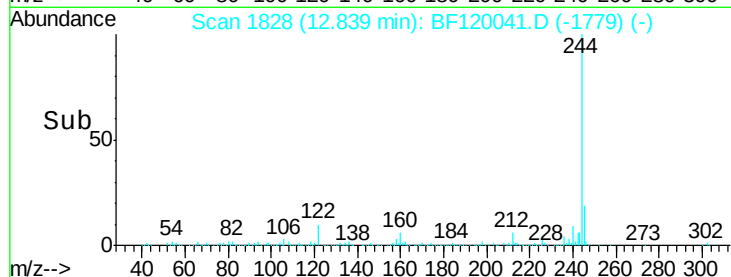
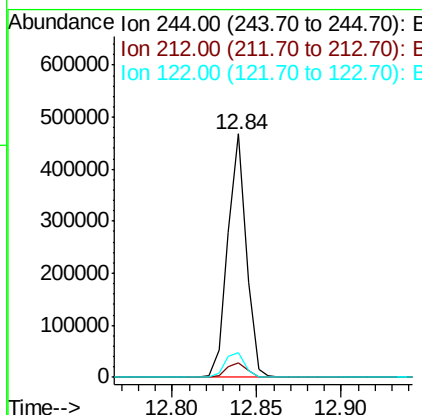
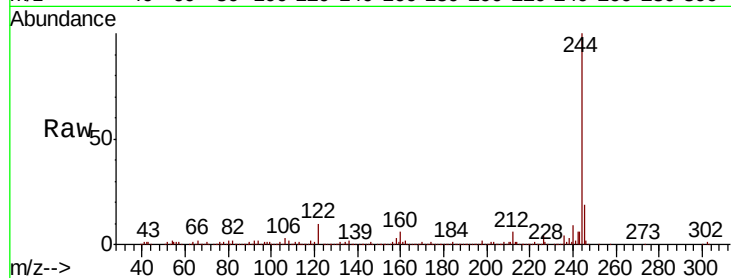
#79
 Terphenyl-d14
 Concen: 22.106 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF120041.D
 Acq: 16 Apr 2020 17:31

Instrument :
 BNA_F
 ClientSampled :
 TP-21B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	9.9	10.3	15.5

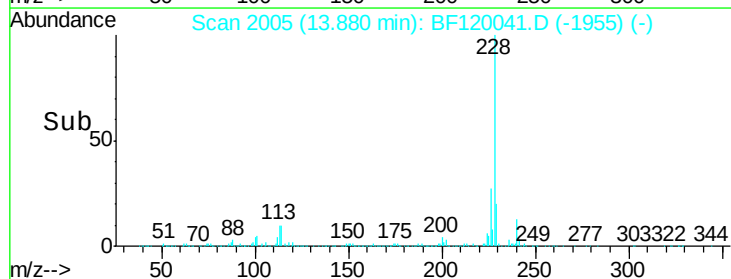
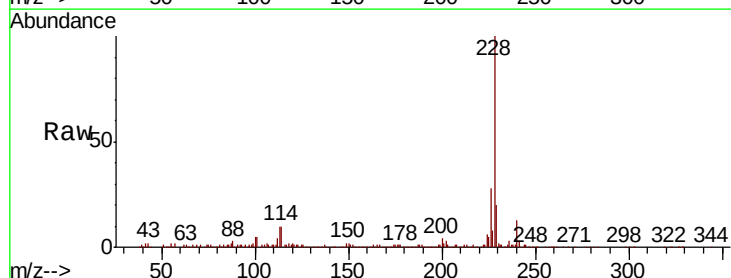
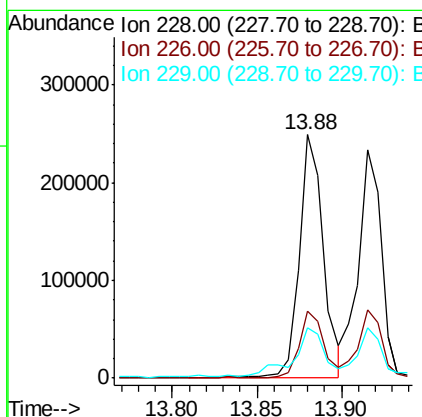
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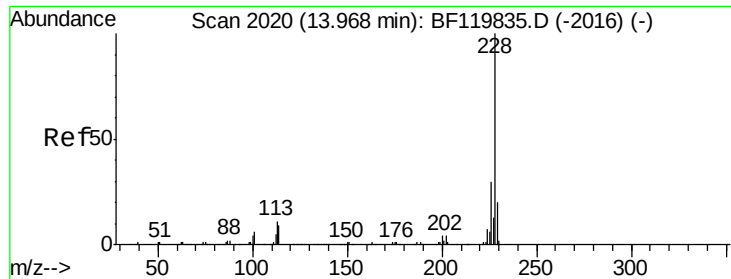
mohammad
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#81
 Benzo(a)anthracene
 Concen: 13.805 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF120041.D
 Acq: 16 Apr 2020 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	20.5	15.9	23.9





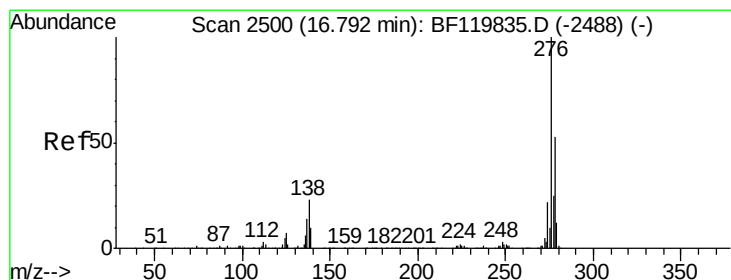
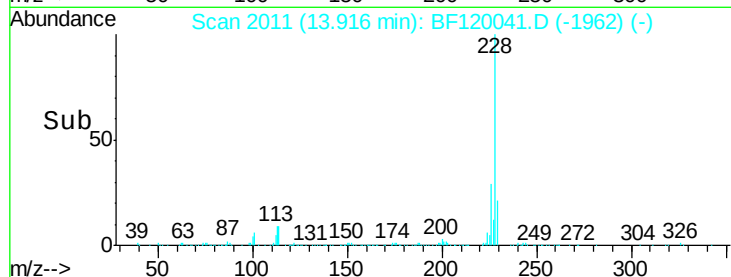
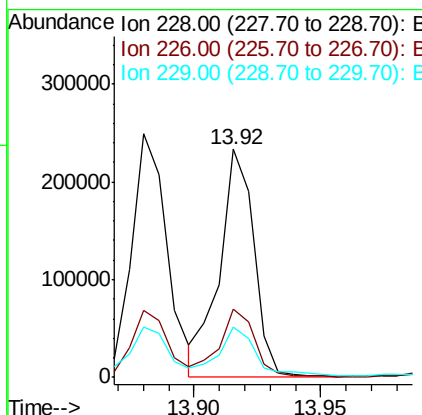
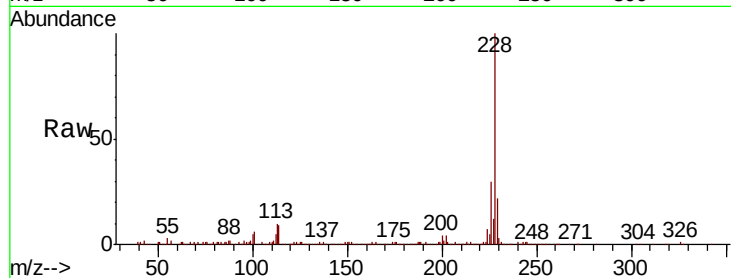
#83
Chrysene
Concen: 12.165 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Instrument :
BNA_F
ClientSampleId :
TP-21B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	21.9	15.9	23.9

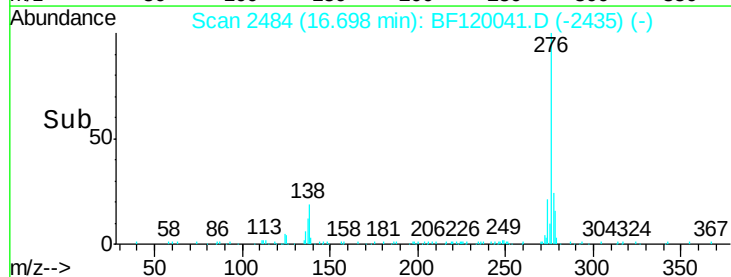
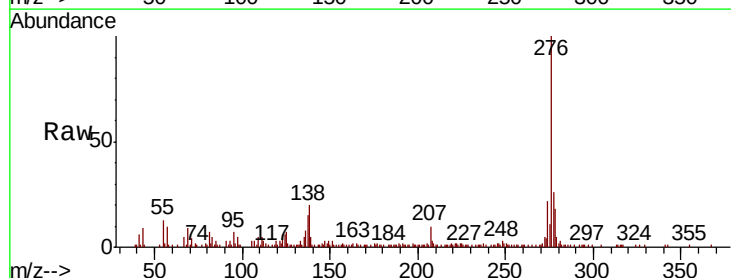
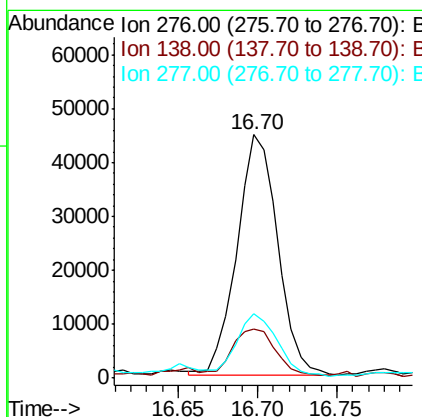
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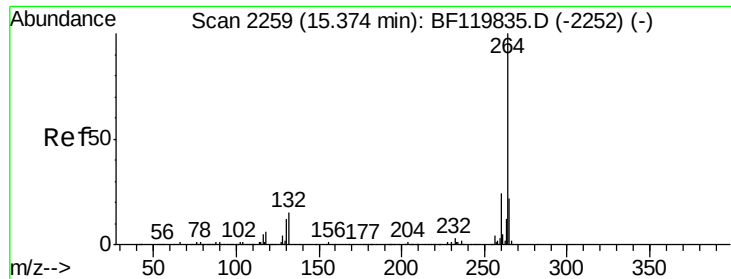
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.974 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.0	27.0
277	25.9	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. -0.01 min

Lab File: BF120041.D

Acq: 16 Apr 2020 17:31

Instrument :

BNA_F

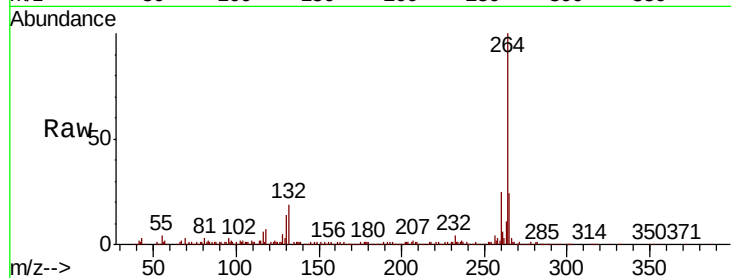
ClientSampleId :

TP-21B

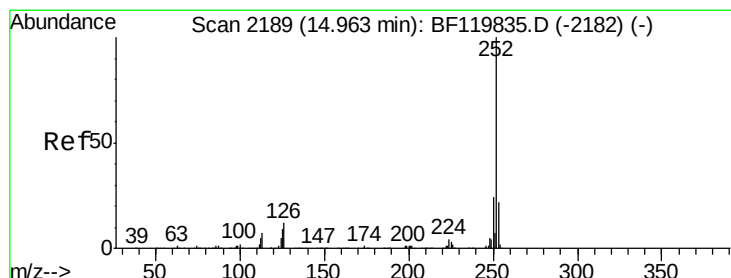
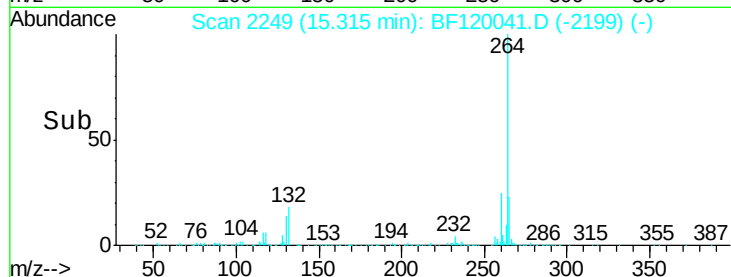
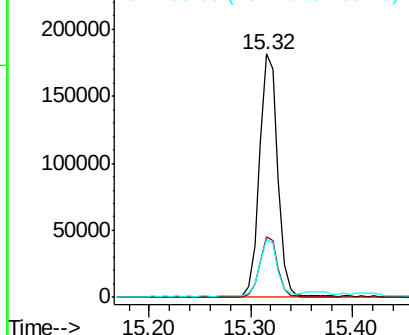
Tot Ion:	264	Resp:	227698
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.3	28.9
265	23.7	17.6	26.4

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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



#88

Benzo(b)fluoranthene

Concen: 13.641 ng m

RT: 14.91 min Scan# 2180

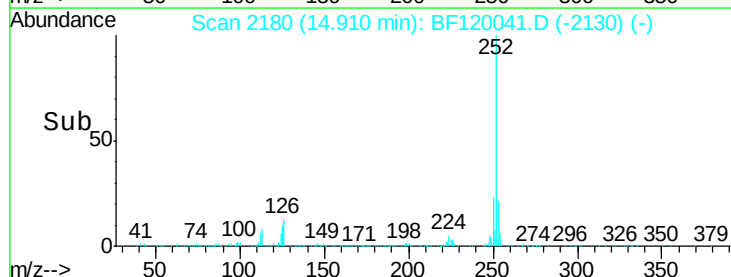
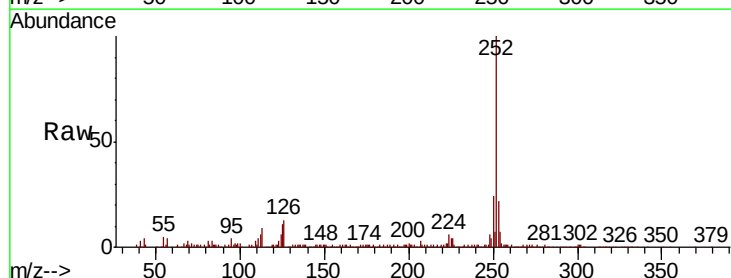
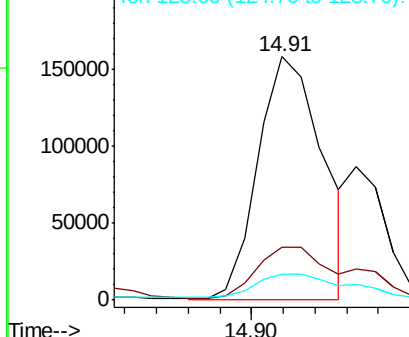
Delta R.T. -0.01 min

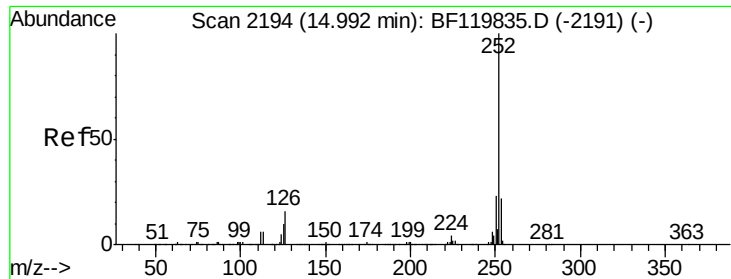
Lab File: BF120041.D

Acq: 16 Apr 2020 17:31

Tgt Ion:	252	Resp:	223441
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.7	26.5
125	10.8	7.4	11.2

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





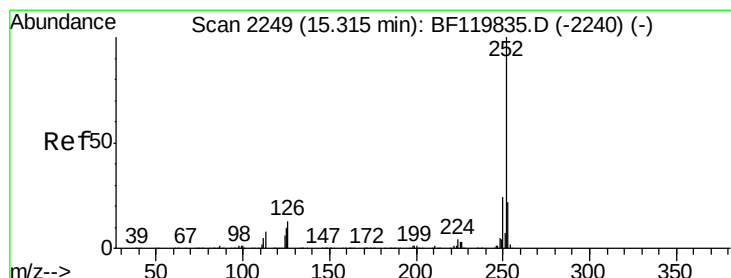
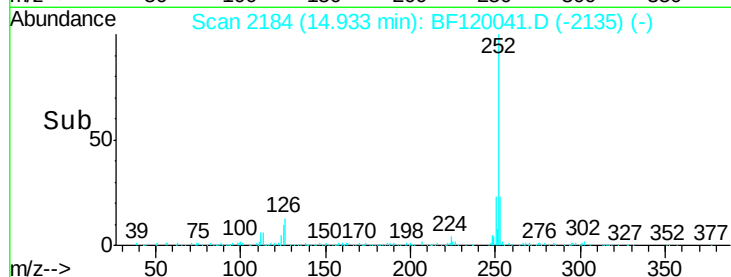
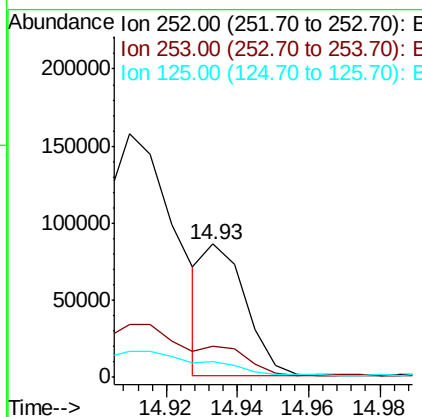
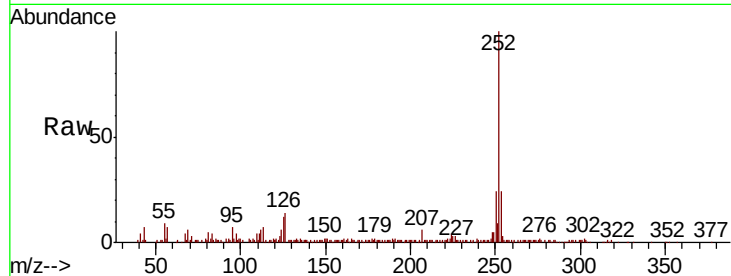
#89
Benzo(k)fluoranthene
Concen: 4.928 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Instrument :
BNA_F
ClientSampled :
TP-21B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	11.6	7.7	11.5

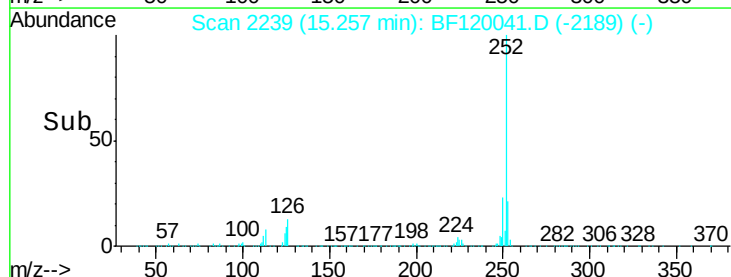
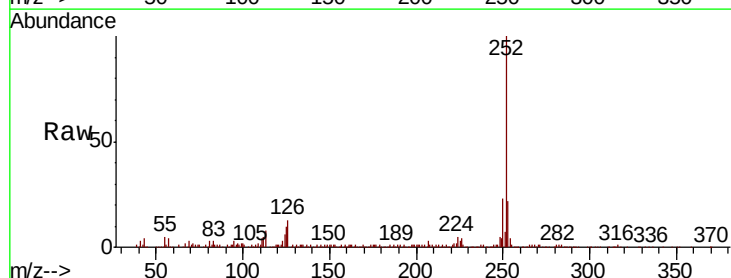
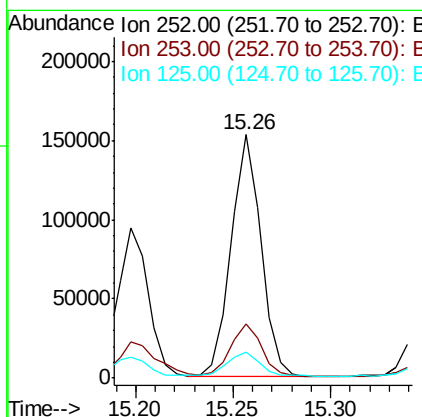
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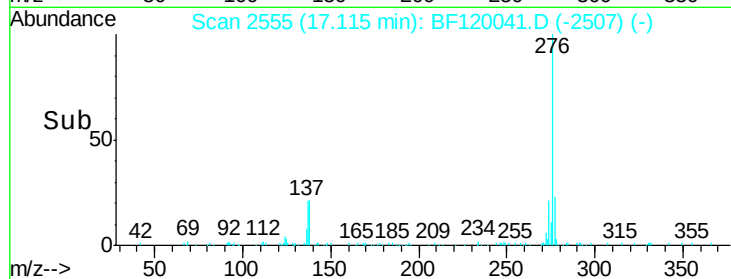
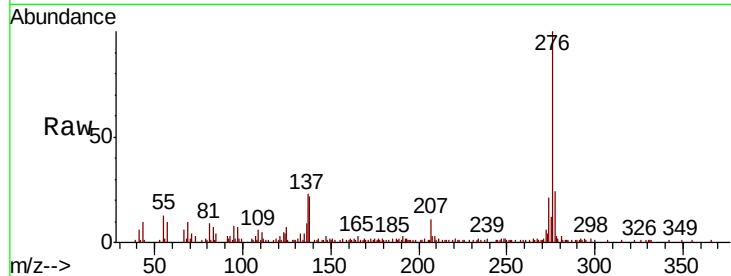
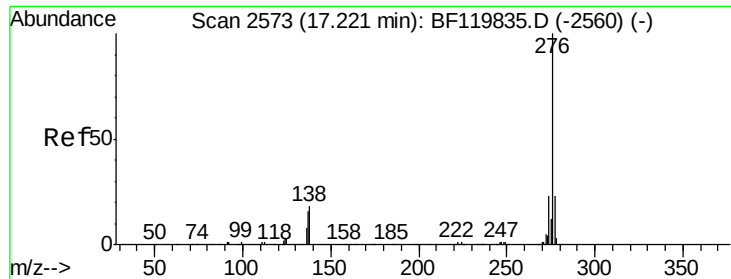
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#90
Benzo(a)pyrene
Concen: 11.804 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120041.D
Acq: 16 Apr 2020 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	10.5	8.3	12.5





#92

Benzo(a,h,i)perylene

Concen: 6.185 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.02 min

Lab File: BF120041.D

Acq: 16 Apr 2020 17:31

Instrument :

BNA_F

ClientSampleId :

TP-21B

Tot Ion: 276 Resp: 74481

Ion Ratio Lower Upper

276 100

277 24.2 18.5 27.7

138 22.4 14.6 22.0#

Manual Integrations

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