

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120264.D
 Acq On : 1 May 2020 17:58
 Operator : MA/SJ
 Sample : L2376-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
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mohammad
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Quant Time: May 01 18:34:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	147270	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	542968	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	253018	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	447367	20.00	ng	0.00
76) Chrysene-d12	13.81	240	299434	20.00	ng	-0.02
87) Perylene-d12	15.22	264	315662	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	630960	74.04	ng	0.00
7) Phenol-d6	6.30	99	928336	84.54	ng	-0.01
23) Nitrobenzene-d5	7.22	82	583989	55.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	210589	67.98	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1075833	60.37	ng	0.00
79) Terphenyl-d14	12.76	244	969608	54.49	ng	-0.01
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.75	142	36600	2.005	ng	100
49) Acenaphthylene	9.55	152	106660	4.263	ng	98
50) Dimethylphthalate	9.41	163	122264	6.247	ng	99
58) Fluorene	10.23	166	43409	2.370	ng	98
71) Phenanthrene	11.19	178	323446	13.585	ng	97
72) Anthracene	11.25	178	96019	3.948	ng	96
75) Fluoranthene	12.39	202	266380	10.369	ng	96
78) Pyrene	12.61	202	303318	12.016	ng	98
81) Benzo(a)anthracene	13.80	228	180465m	9.161	ng	
83) Chrysene	13.84	228	175245	8.755	ng	97
86) Indeno(1,2,3-cd)pyrene	16.56	276	100570	5.700	ng	96
88) Benzo(b)fluoranthene	14.82	252	201785m	8.886	ng	
89) Benzo(k)fluoranthene	14.84	252	53026m	2.706	ng	
90) Benzo(a)pyrene	15.16	252	185052	9.692	ng	98
92) Benzo(a,h,i)perylene	16.97	276	122113	7.315	ng	96

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

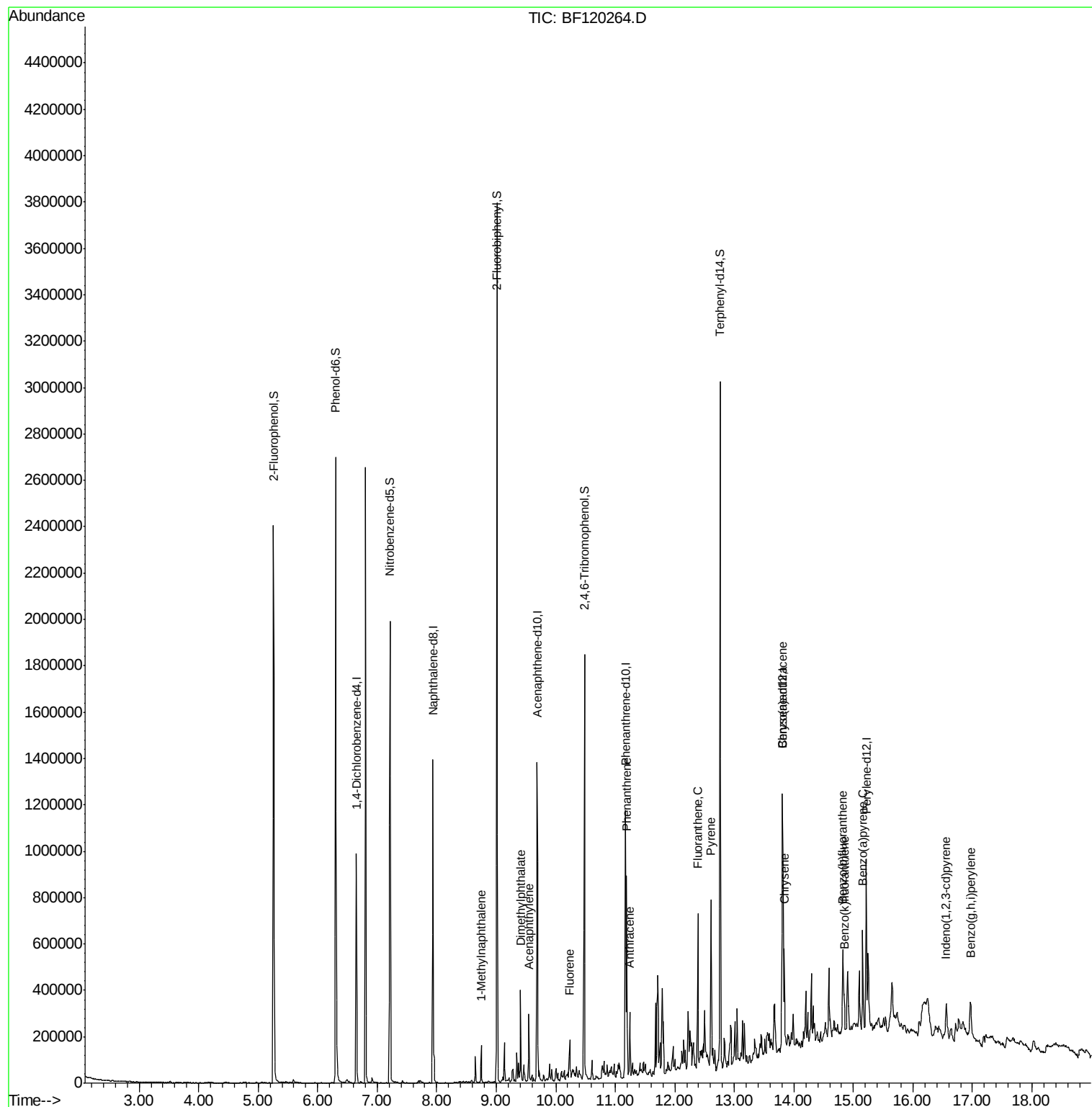
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
Data File : BF120264.D
Acq On : 1 May 2020 17:58
Operator : MA/SJ
Sample : L2376-04
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#1

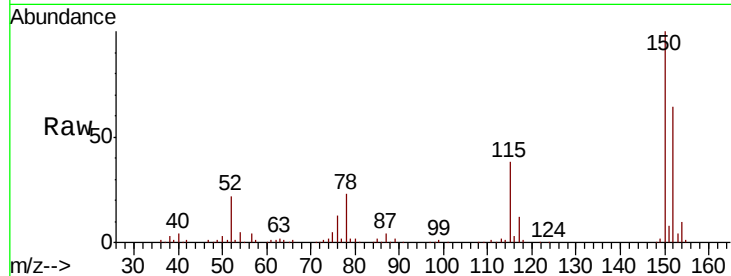
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.5	186.7
115	58.5	49.6	74.4

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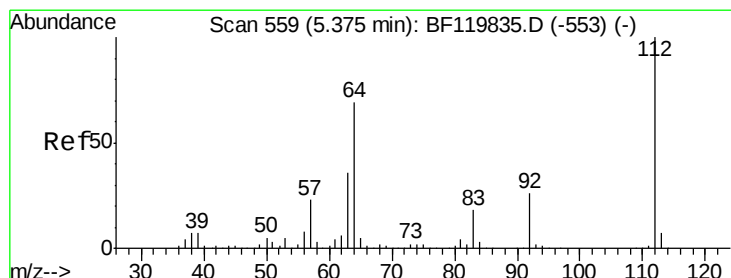
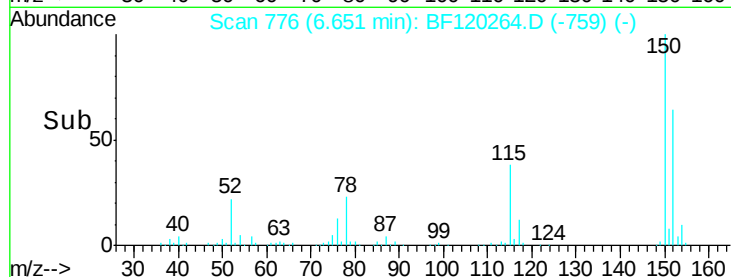
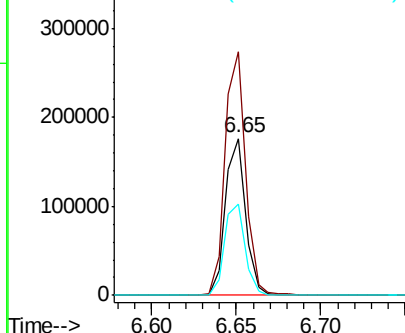


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

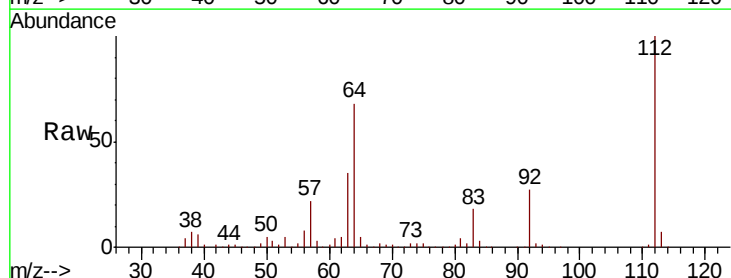
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 74.042 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	56.7	85.1
63	35.0	29.5	44.3

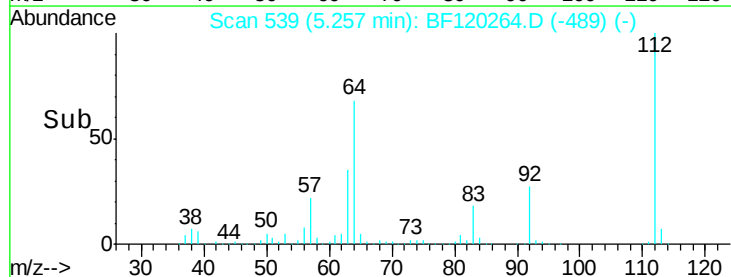
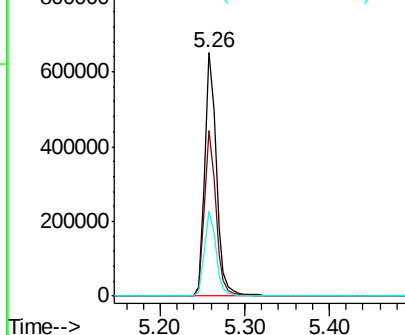


Abundance

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: 84.543 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

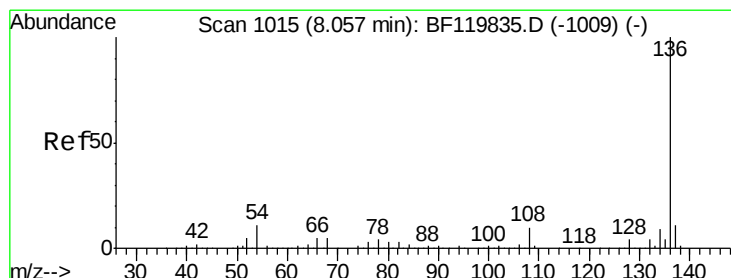
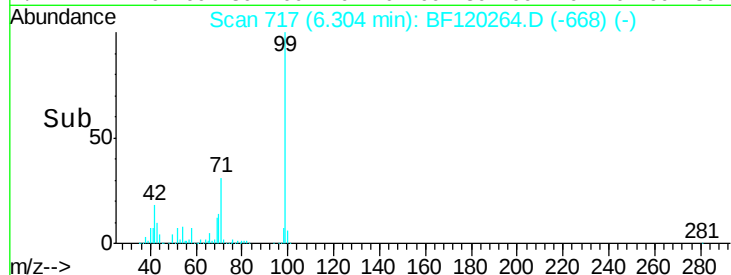
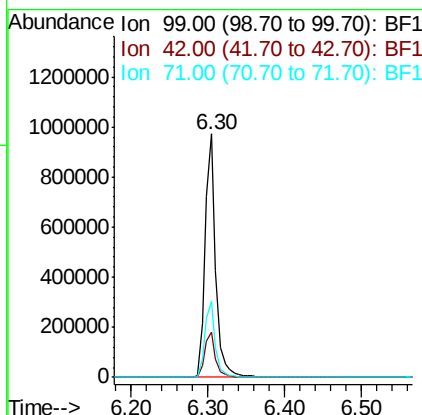
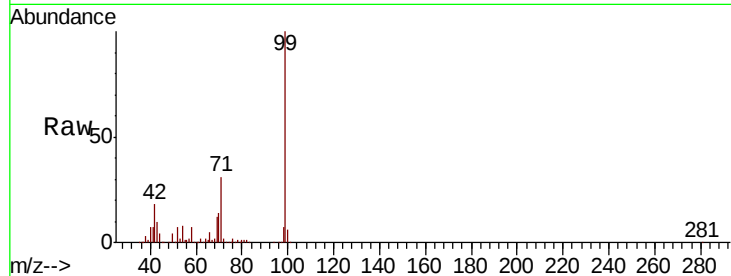
ClientSampleId :

TP-4

Tot Ion:	99	Resp:	928336
Ion Ratio	Lower	Upper	
99	100		
42	18.3	16.6	24.8
71	31.4	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

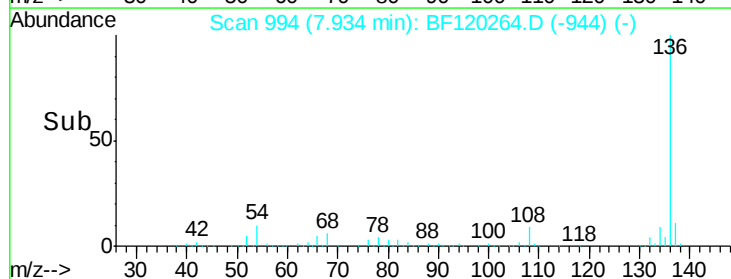
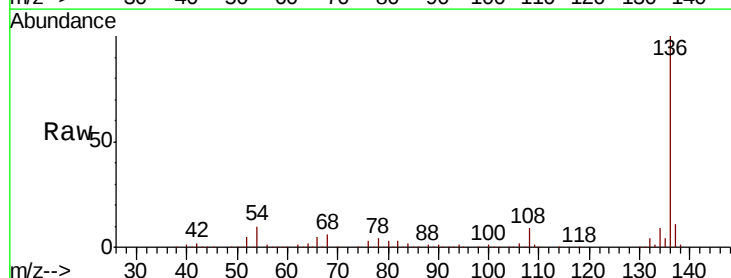
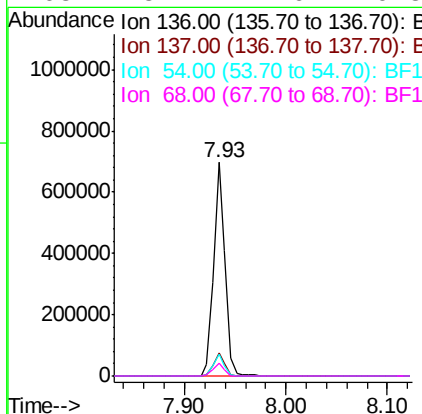
RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Tgt Ion:	136	Resp:	542968
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	10.0	9.1	13.7
68	5.7	4.6	6.8





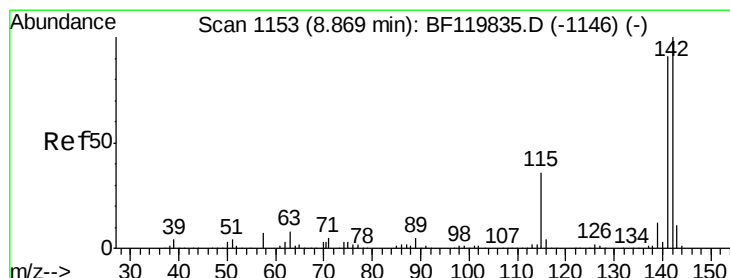
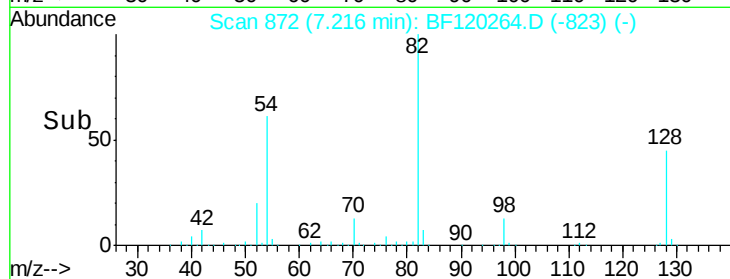
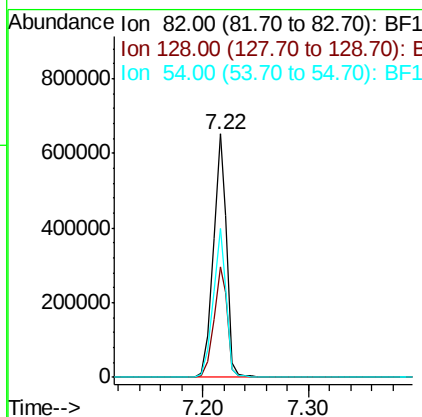
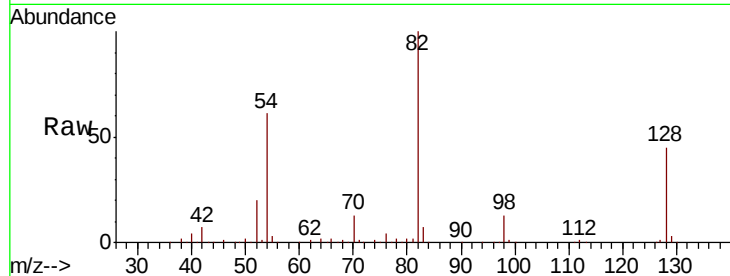
#23
Nitrobenzene-d5
Concen: 55.642 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.3	54.5
54	61.1	50.6	75.8

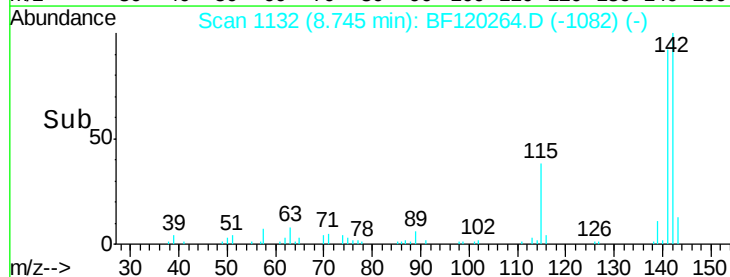
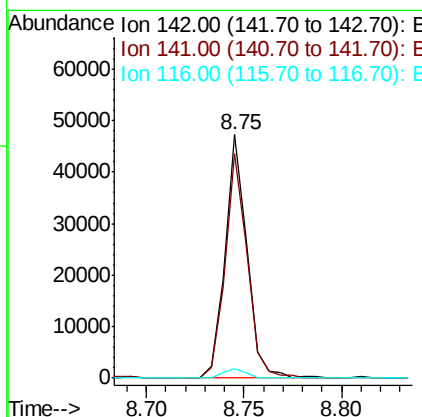
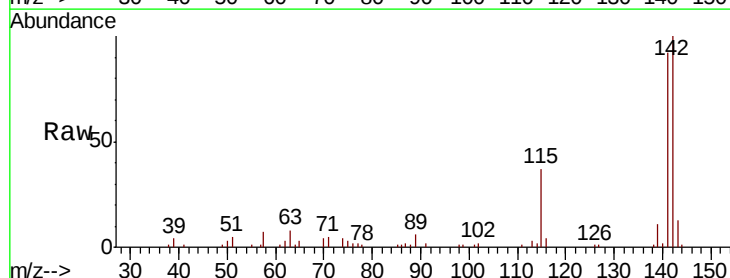
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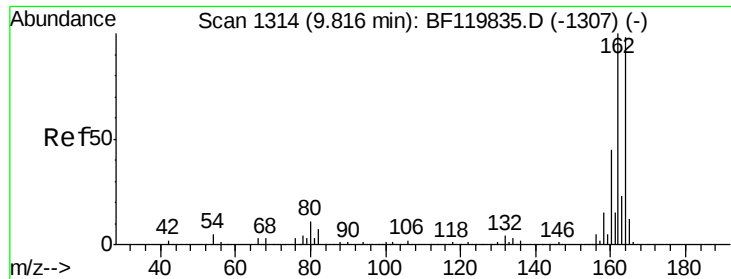
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#38
1-Methylnaphthalene
Concen: 2.005 ng
RT: 8.75 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.7	110.5
116	3.8	3.0	4.6





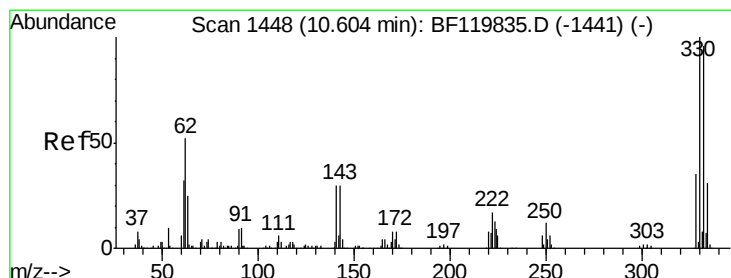
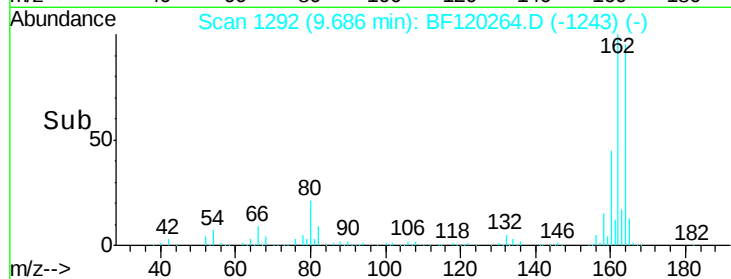
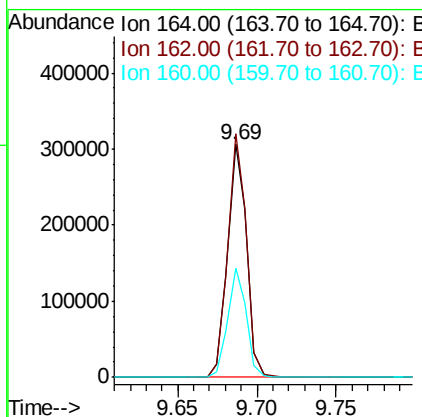
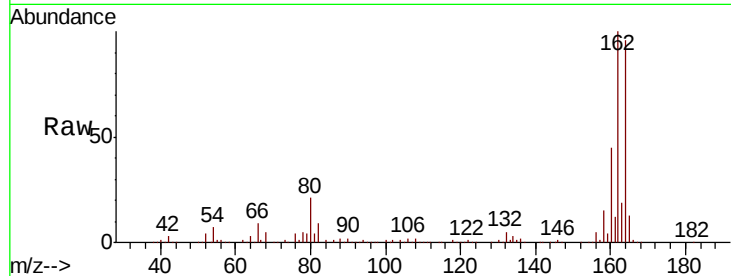
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.5	80.6	121.0	
160	46.7	35.7	53.5	

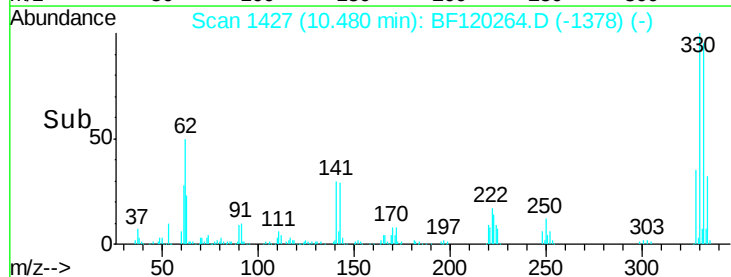
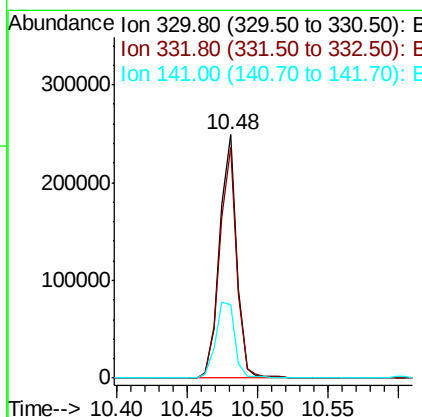
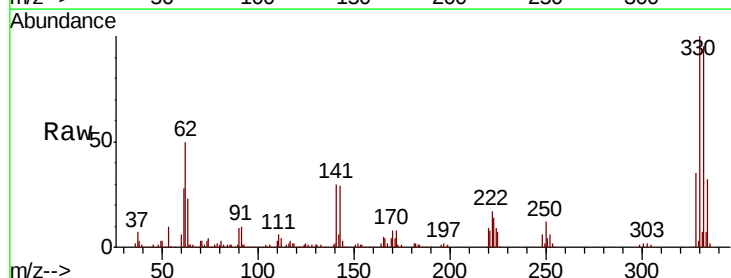
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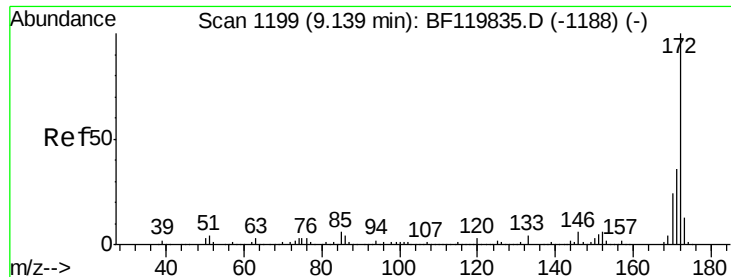
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#42
 2,4,6-Tribromophenol
 Concen: 67.980 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.1	75.7	113.5	
141	35.4	25.4	38.0	





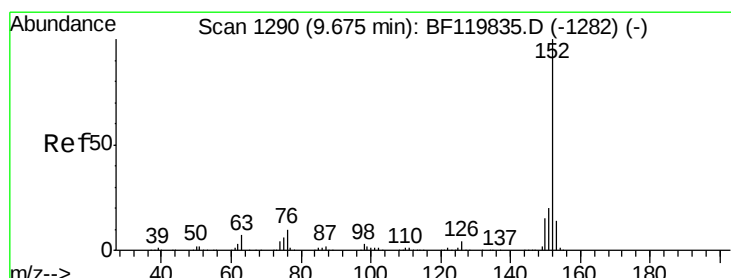
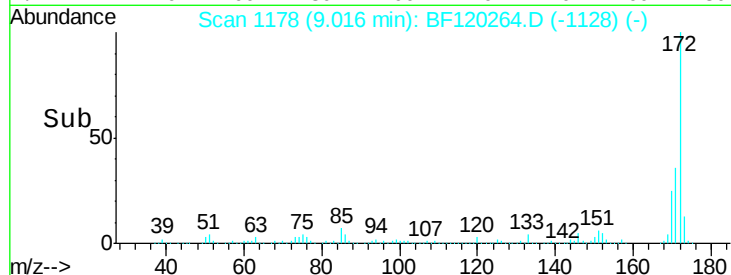
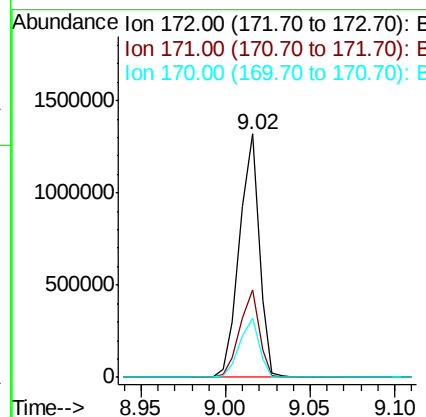
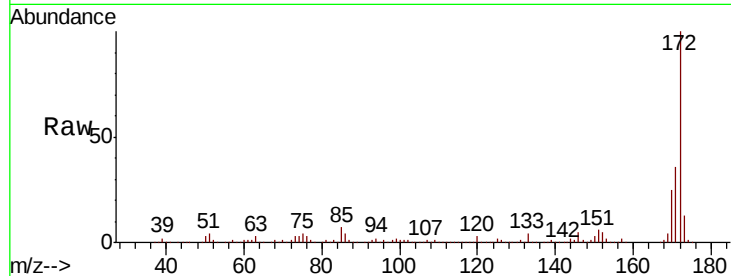
#45
2-Fluorobiphenyl
Concen: 60.369 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.6	20.2	30.2

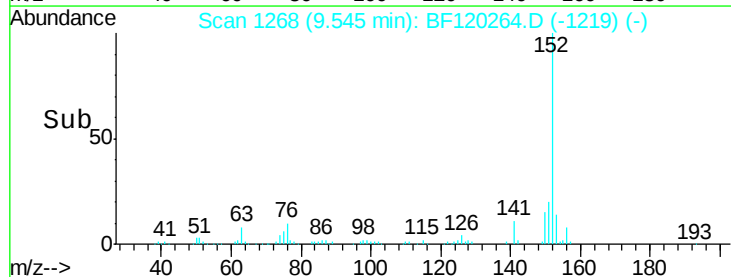
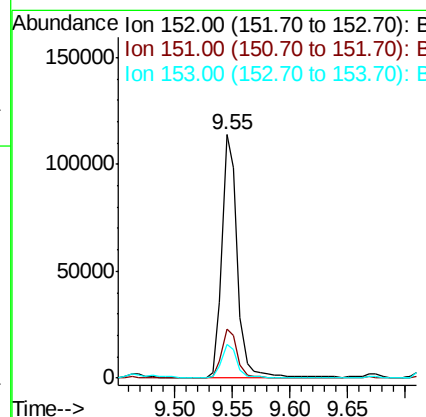
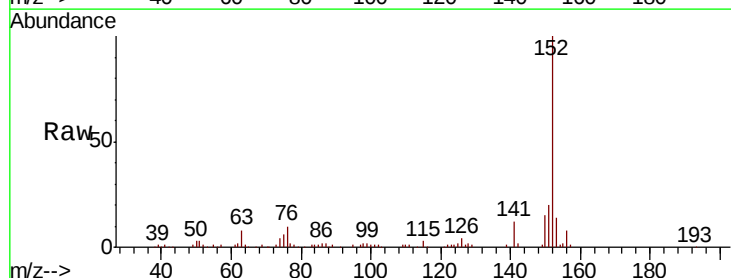
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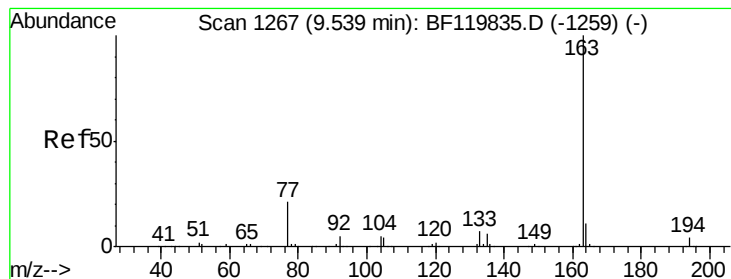
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#49
Acenaphthylene
Concen: 4.263 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.2	25.8
153	13.9	11.2	16.8





#50

Dimethylphthalate

Concen: 6.247 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

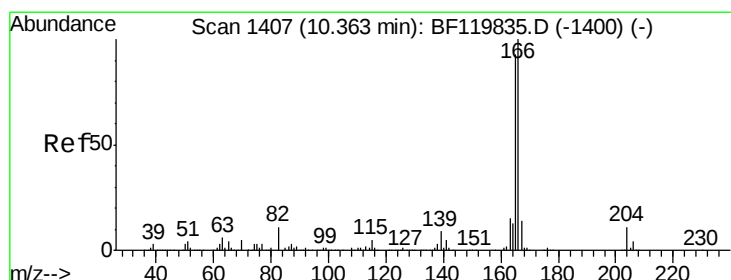
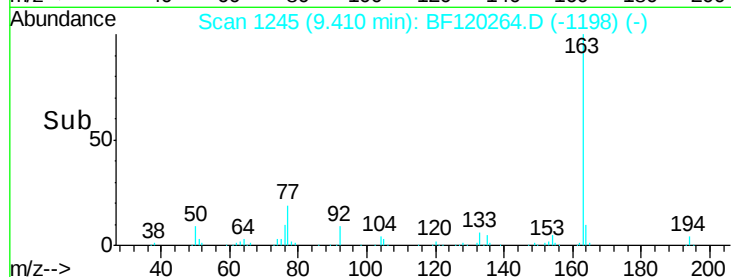
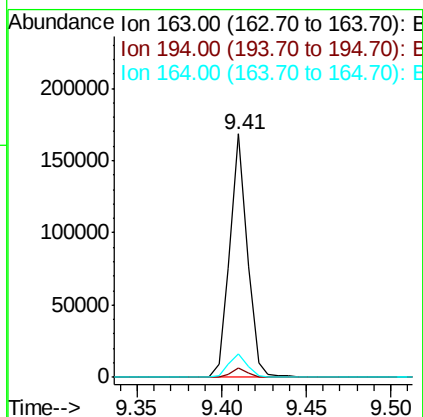
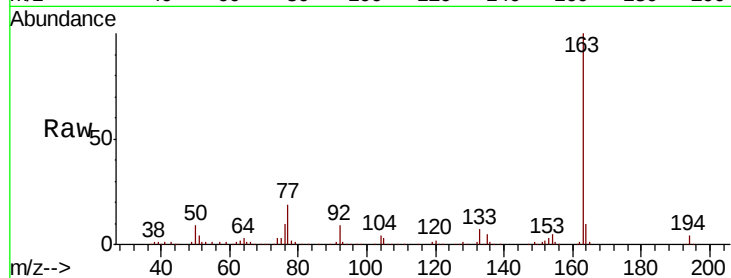
ClientSampleId :

TP-4

Tot Ion:	163	Resp:	122264
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.1	4.7
164	9.8	8.2	12.2

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#58

Fluorene

Concen: 2.370 ng

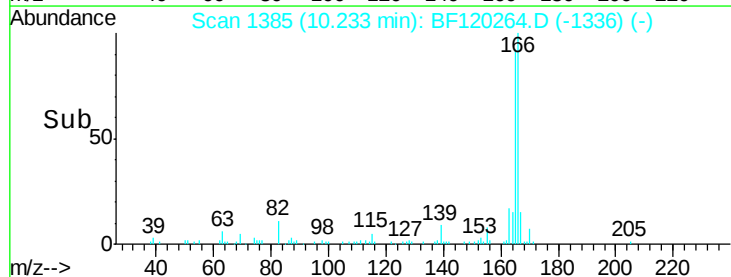
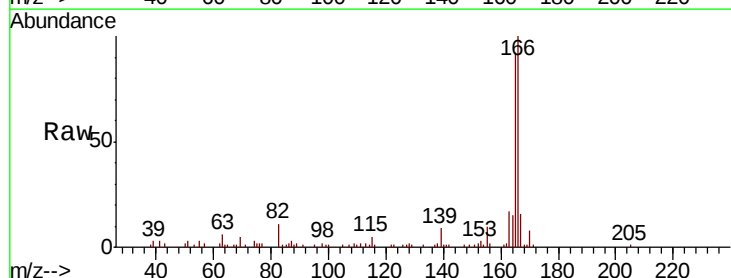
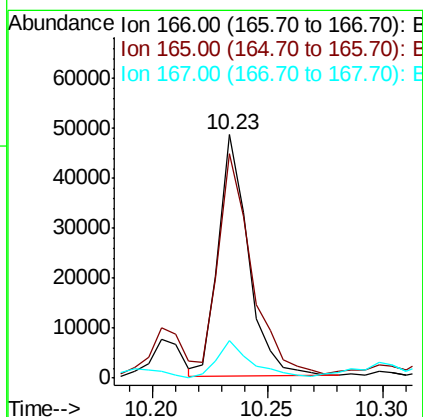
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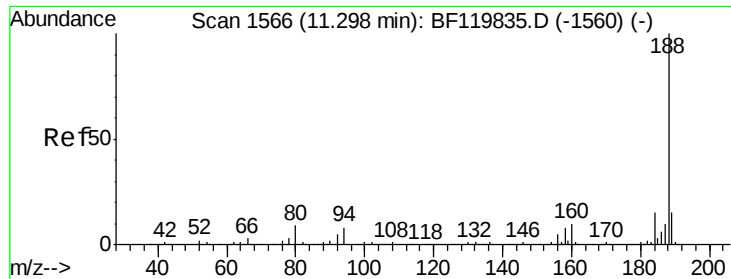
Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Tgt Ion:	166	Resp:	43409
Ion Ratio	Lower	Upper	
166	100		
165	92.1	75.4	113.2
167	15.6	11.2	16.8





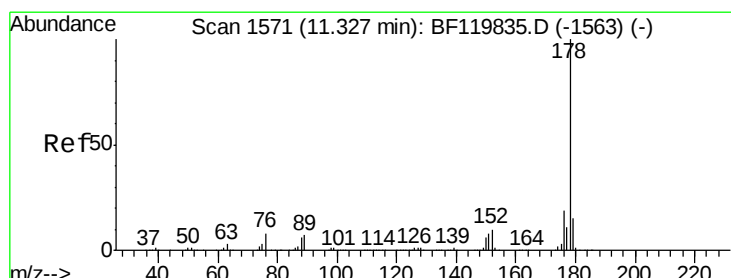
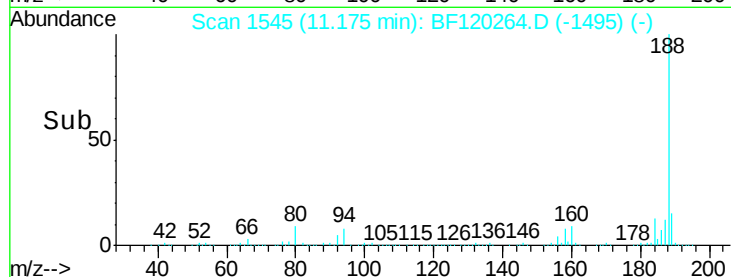
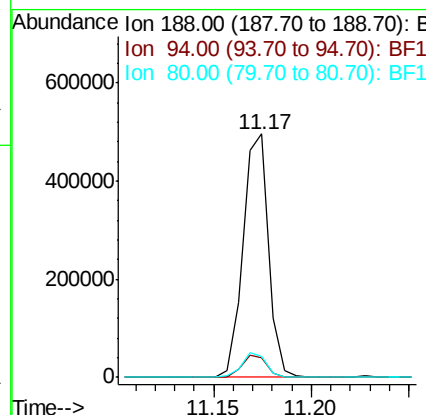
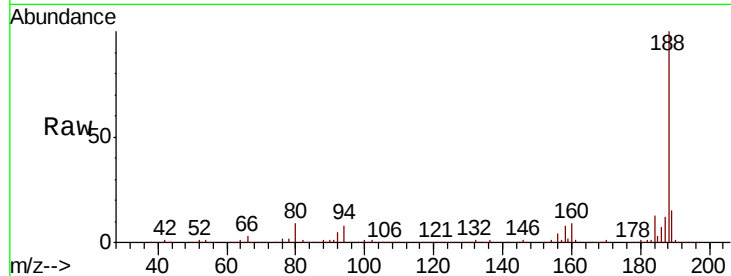
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	7.5	11.3
80	8.5	9.0	13.4#

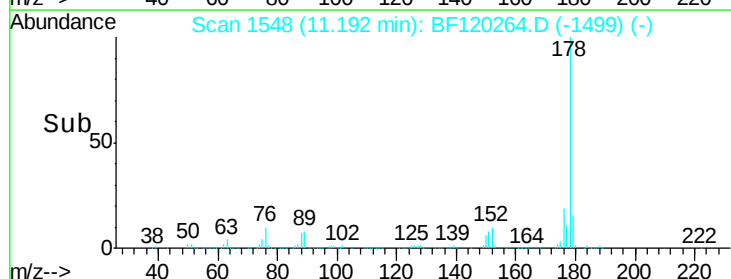
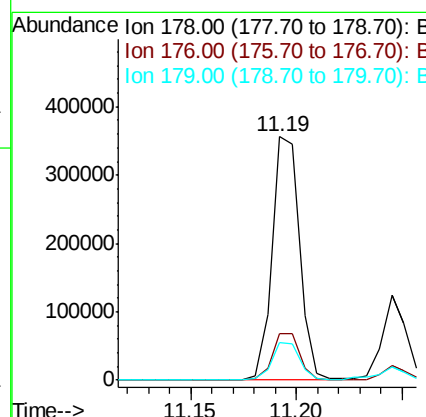
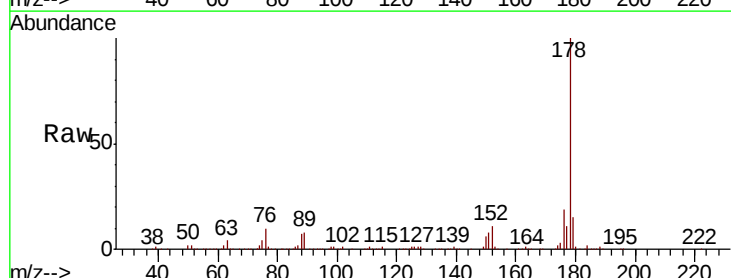
Manual Integrations
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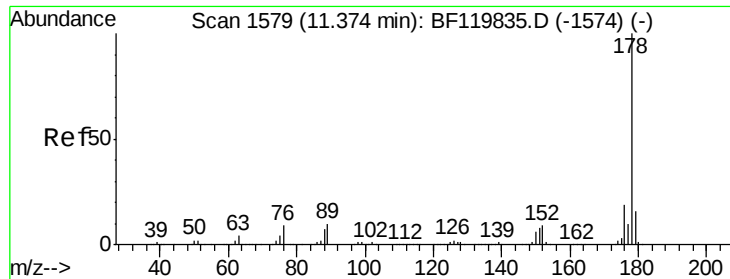
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#71
Phenanthrene
Concen: 13.585 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.3	13.2	19.8





#72

Anthracene

Concen: 3.948 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-4

Tot Ion:178 Resp: 96019

Ion Ratio Lower Upper

178 100

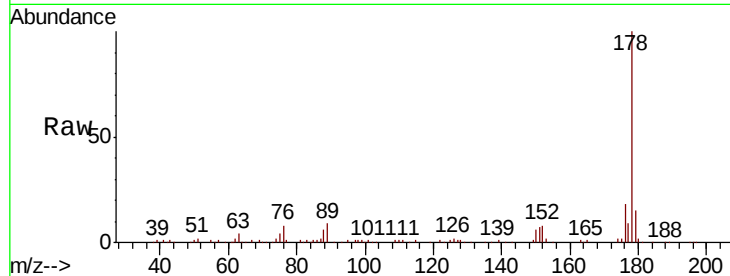
176 17.5 16.1 24.1

179 15.4 13.0 19.4

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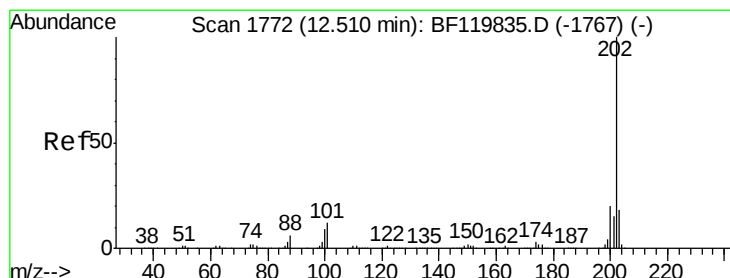
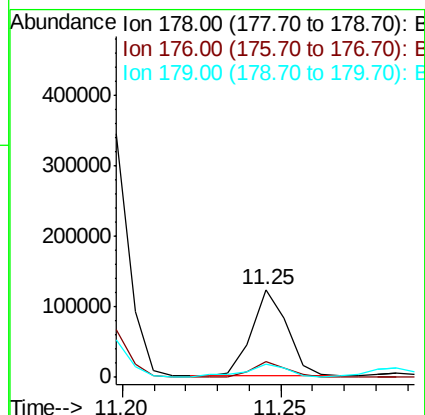
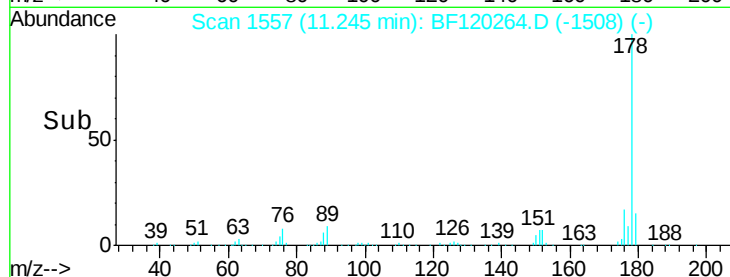
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 10.369 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

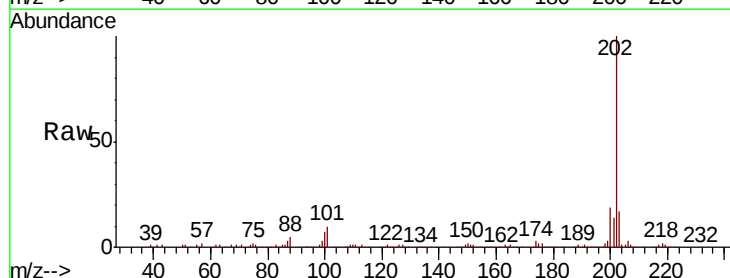
Tgt Ion:202 Resp: 266380

Ion Ratio Lower Upper

202 100

101 9.8 0.0 32.2

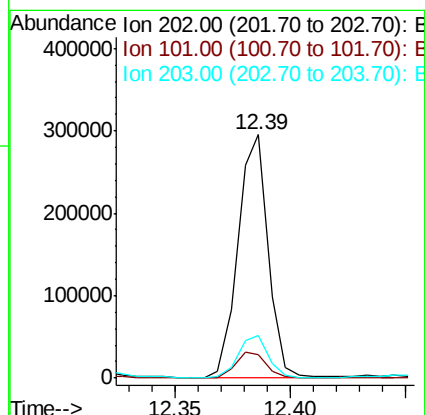
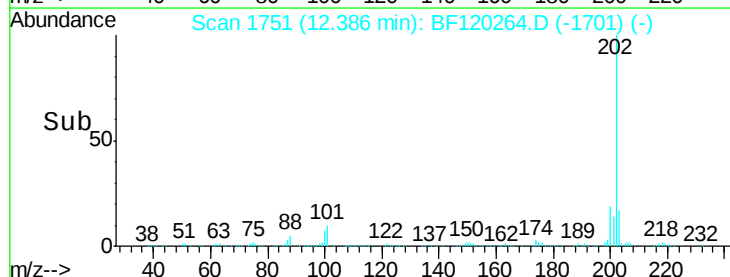
203 17.4 0.0 38.8

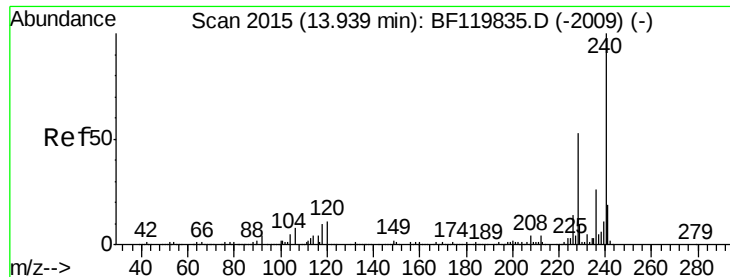


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





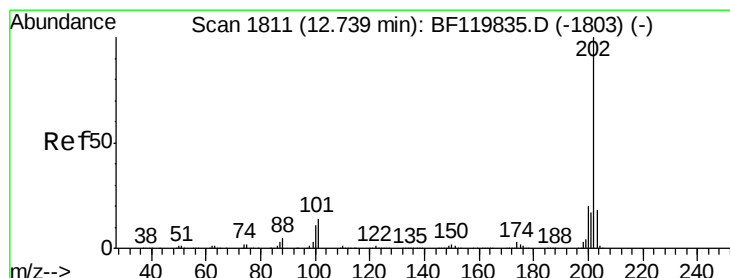
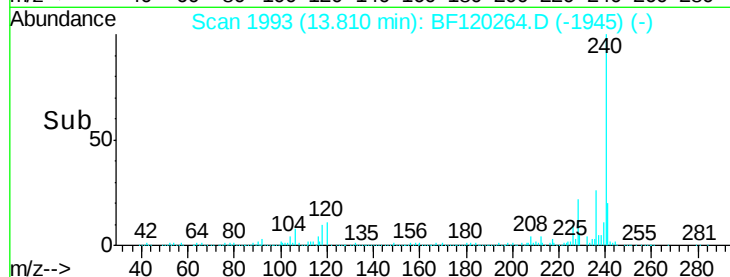
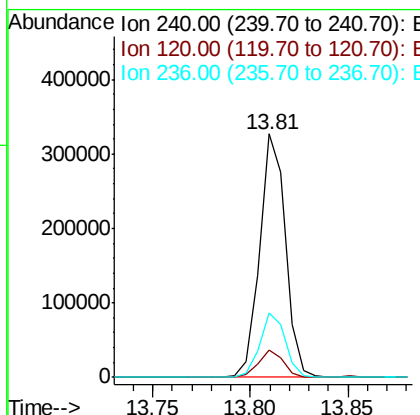
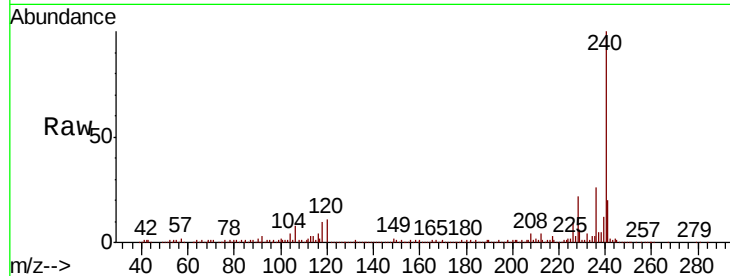
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
240	100	299434		
120	11.4	10.6	15.8	
236	26.3	20.2	30.2	

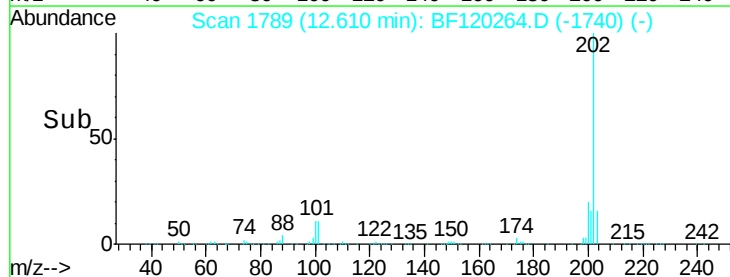
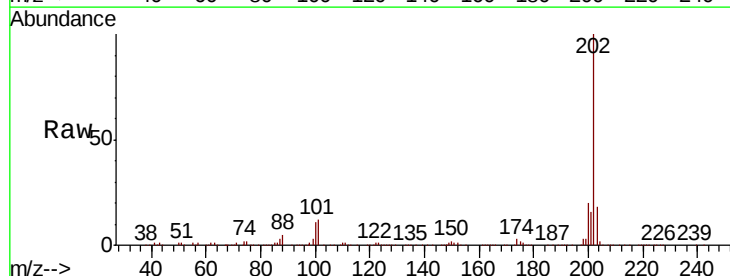
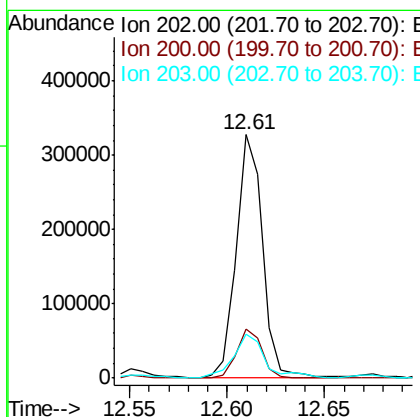
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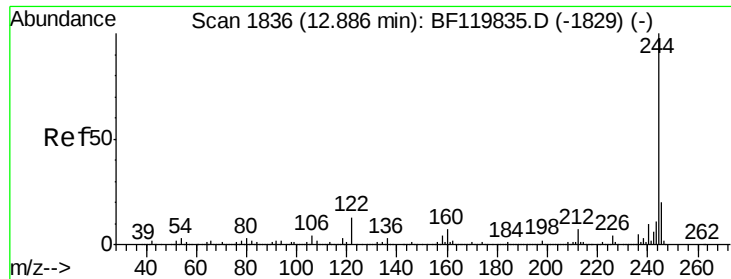
mohammad
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#78
Pyrene
Concen: 12.016 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	303318		
200	20.4	16.8	25.2	
203	18.1	15.1	22.7	





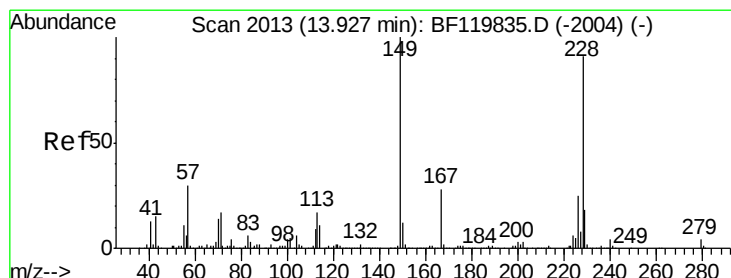
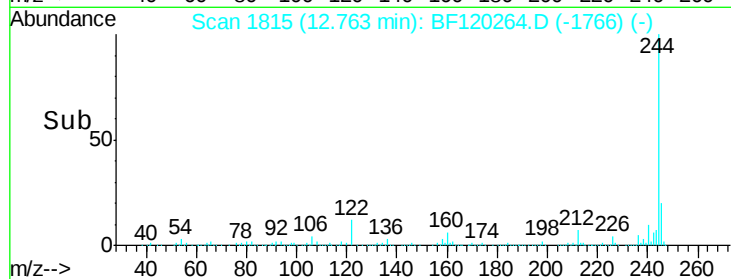
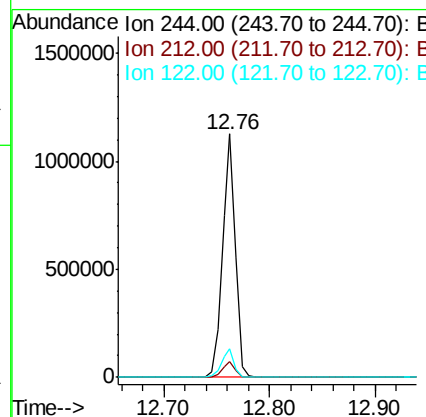
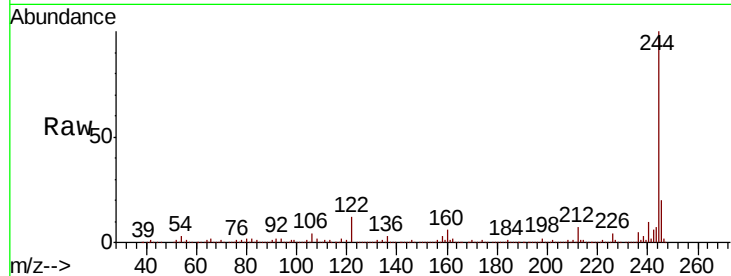
#79
 Terphenyl-d14
 Concen: 54.487 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.7	10.3	15.5

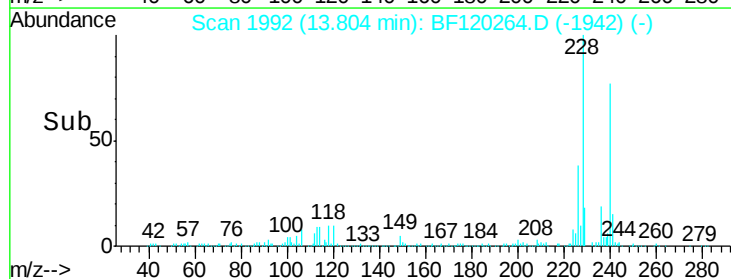
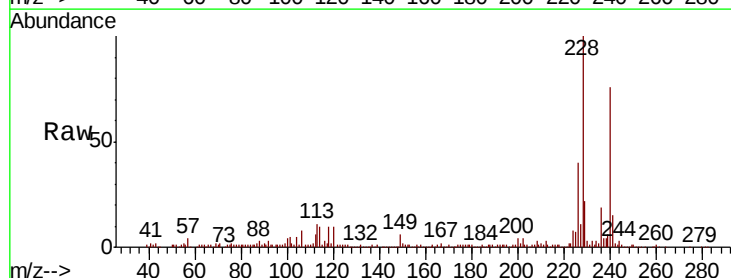
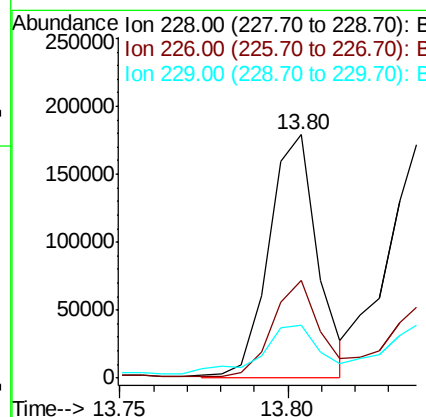
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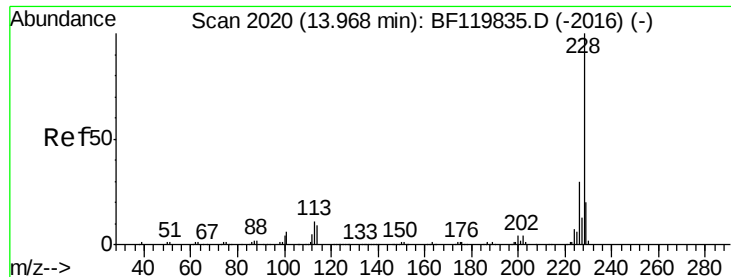
mohammad
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#81
 Benzo(a)anthracene
 Concen: 9.161 ng m
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.2	21.8	32.8#
229	21.7	16.2	24.4





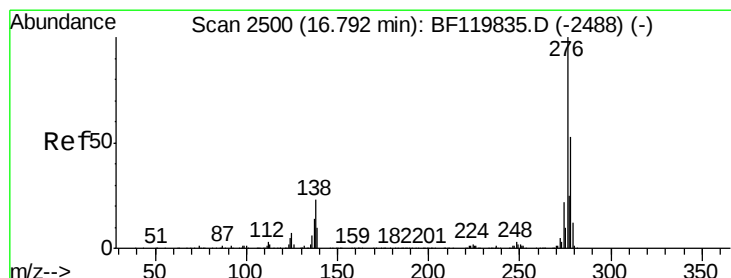
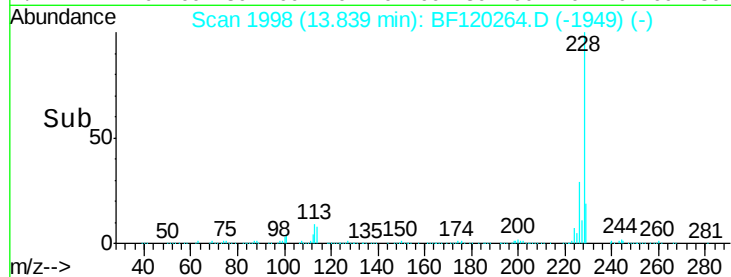
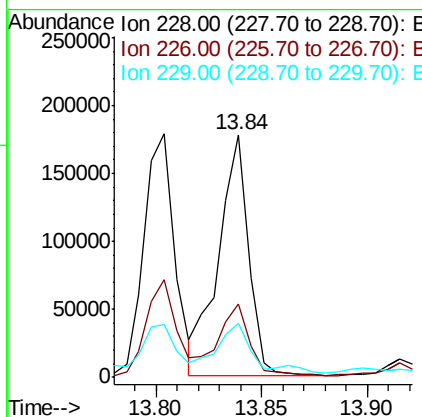
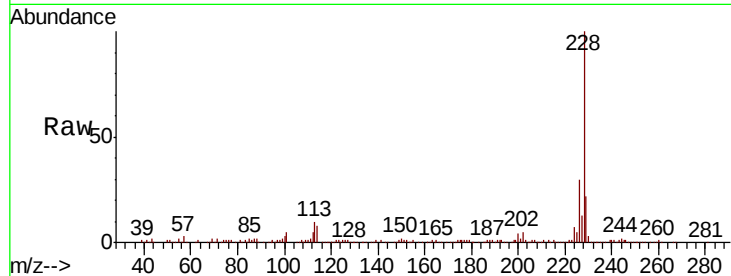
#83
Chrysene
Concen: 8.755 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion:	228	Resp:	175245
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.0
229	22.3	16.6	24.8

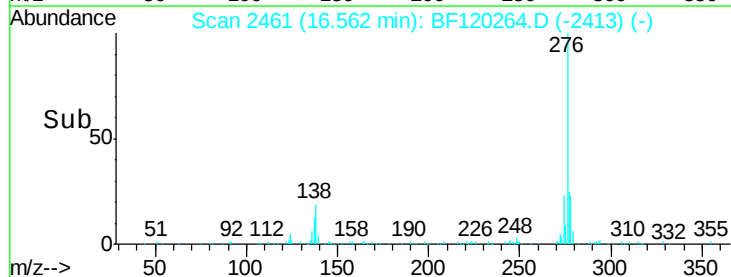
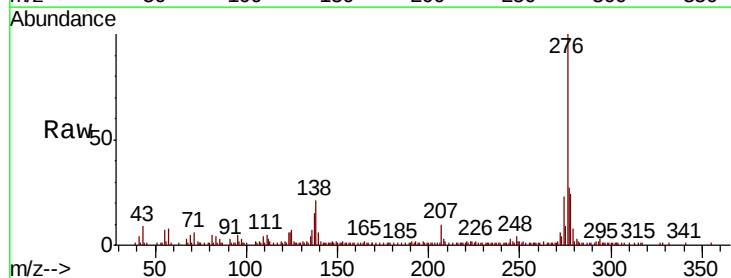
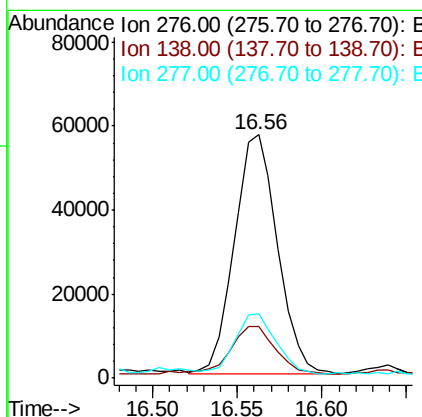
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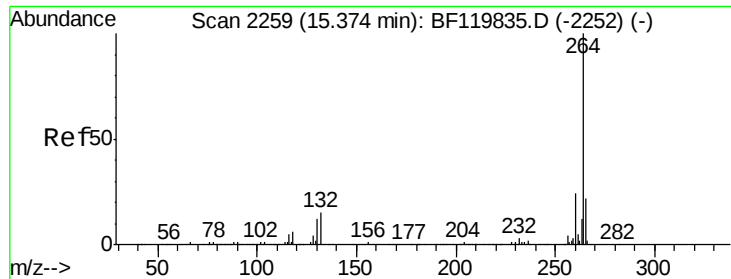
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.700 ng
RT: 16.56 min Scan# 2461
Delta R.T. -0.02 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion:	276	Resp:	100570
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.6	29.4
277	24.0	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

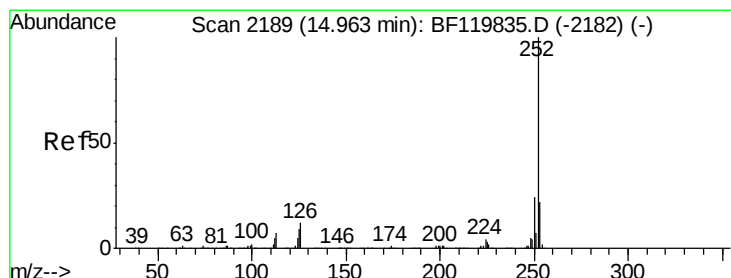
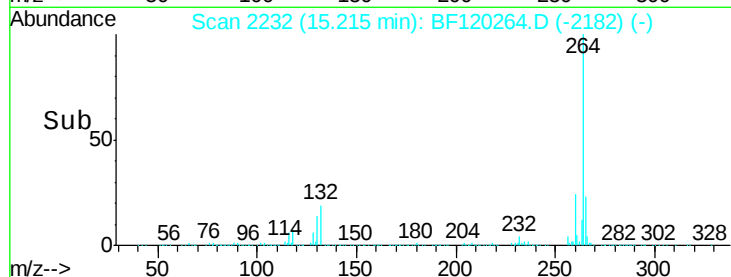
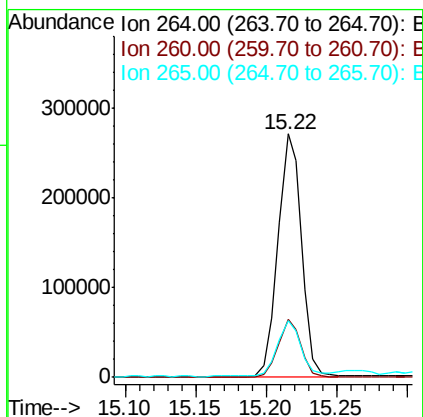
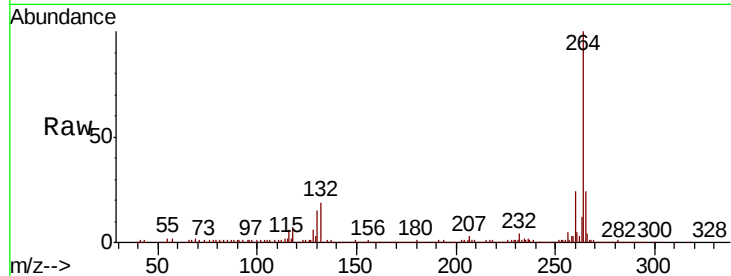
ClientSampleId :

TP-4

Tot Ion:	264	Resp:	315662
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	23.5	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 8.886 ng m

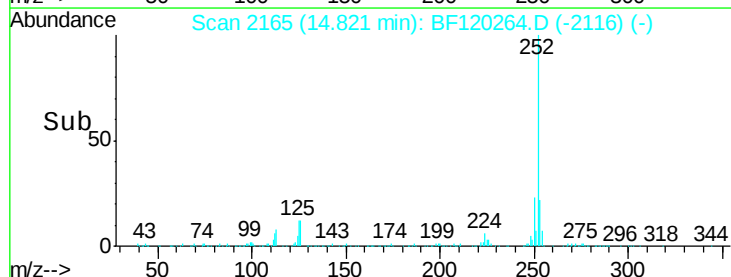
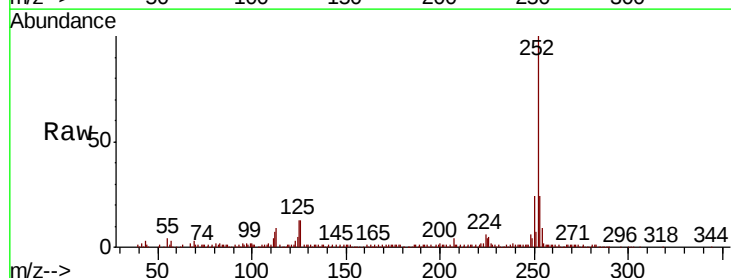
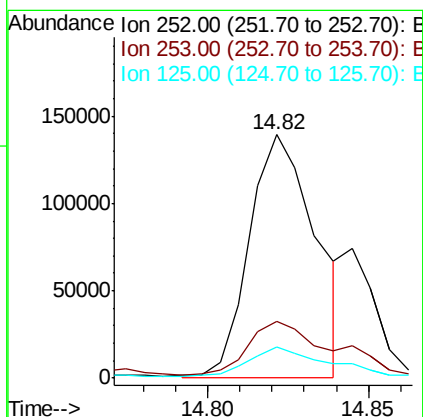
RT: 14.82 min Scan# 2165

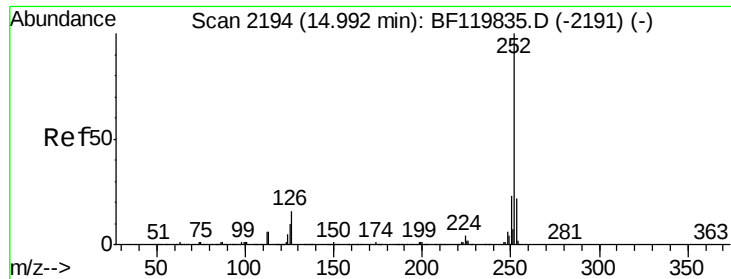
Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Tgt Ion:	252	Resp:	201785
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.0
125	12.6	7.9	11.9#





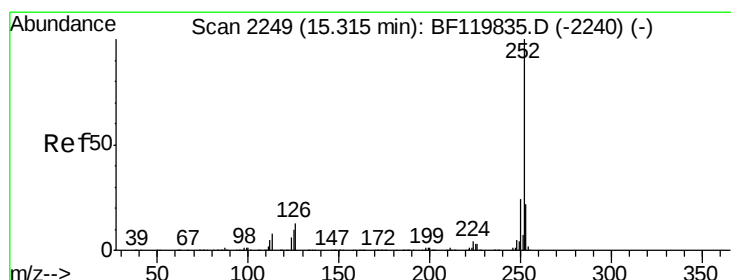
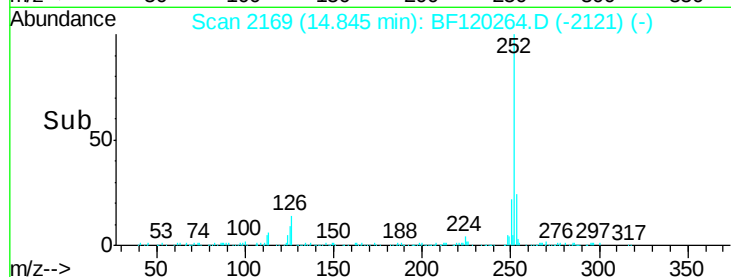
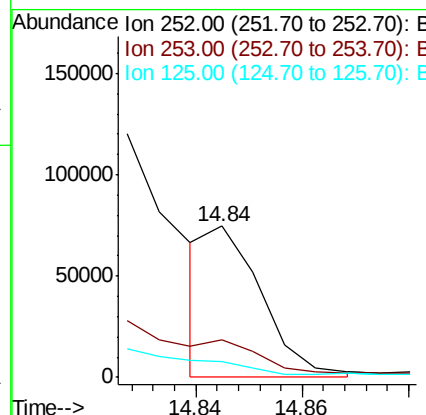
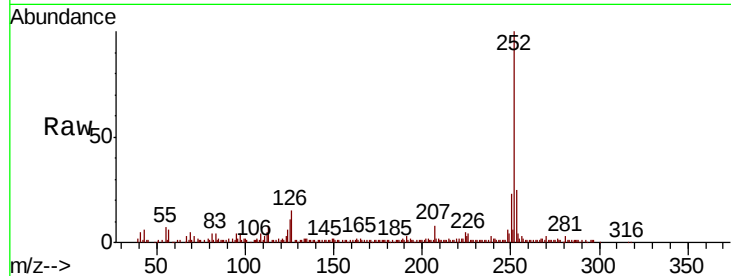
#89
Benzo(k)fluoranthene
Concen: 2.706 ng/mL
RT: 14.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion:	252	Resp:	53026
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.6
125	10.7	8.4	12.6

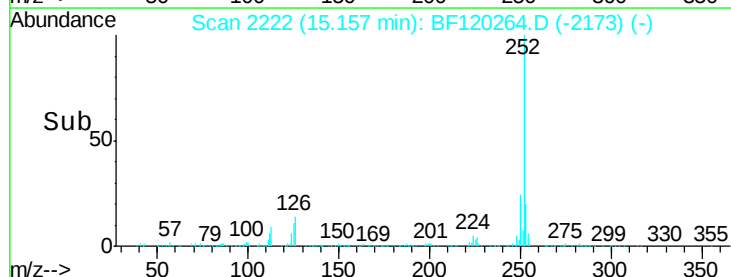
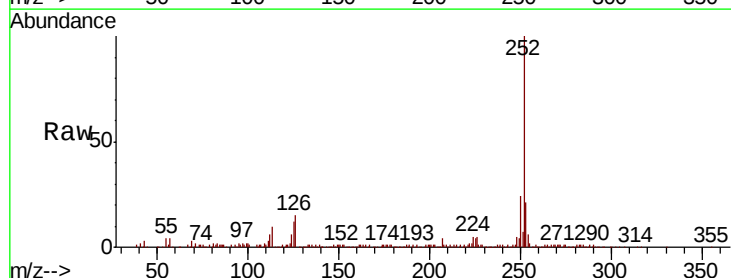
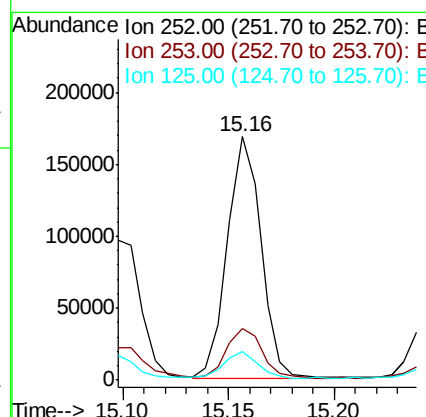
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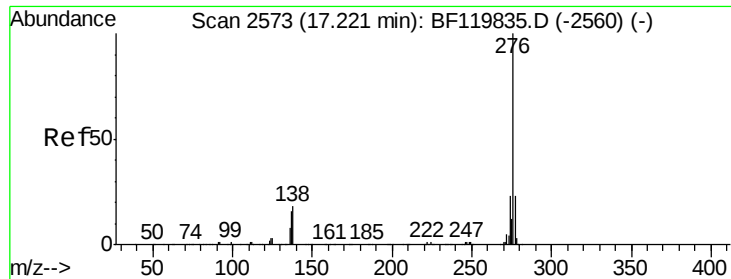
mohammad
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#90
Benzo(a)pyrene
Concen: 9.692 ng/mL
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion:	252	Resp:	185052
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.2	27.2
125	11.7	9.4	14.2





#92
 Benzo(a,h,i)perylene
 Concen: 7.315 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.02 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.4	27.6
138	21.6	15.4	23.0

Manual Integrations
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