

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060120\
 Data File : BF120478.D
 Acq On : 1 Jun 2020 18:28
 Operator : JU/CG
 Sample : L2503-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-052820

Manual Integrations
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Quant Time: Jun 01 19:12:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	216281	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	771839	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	363214	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	600523	20.00	ng	0.00
76) Chrysene-d12	14.00	240	465174	20.00	ng	0.00
86) Perylene-d12	15.46	264	440863	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1304108	114.91	ng	0.01
7) Phenol-d6	6.47	99	1613814	115.37	ng	0.00
23) Nitrobenzene-d5	7.40	82	994961	84.32	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	388078	115.32	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1758263	82.13	ng	0.00
79) Terphenyl-d14	12.95	244	1653638	79.10	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	239212	10.53	ng	99
71) Phenanthrene	11.39	178	338992	12.81	ng	97
72) Anthracene	11.44	178	118179	4.45	ng	98
75) Fluoranthene	12.57	202	859632	30.19	ng	99
78) Pyrene	12.80	202	786898	24.32	ng	99
81) Benzo(a)anthracene	13.99	228	465996	18.69	ng	97
83) Chrysene	14.03	228	412727	15.79	ng	96
87) Indeno(1,2,3-cd)pyrene	16.92	276	221352	9.18	ng	94
88) Benzo(b)fluoranthene	15.04	252	545775m	22.29	ng	
89) Benzo(k)fluoranthene	15.06	252	182405m	7.98	ng	
90) Benzo(a)pyrene	15.40	252	381511	17.81	ng	98
91) Dibenzo(a,h)anthracene	16.92	278	54127	2.75	ng	# 82
92) Benzo(g,h,i)perylene	17.35	276	204676	10.56	ng	97

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

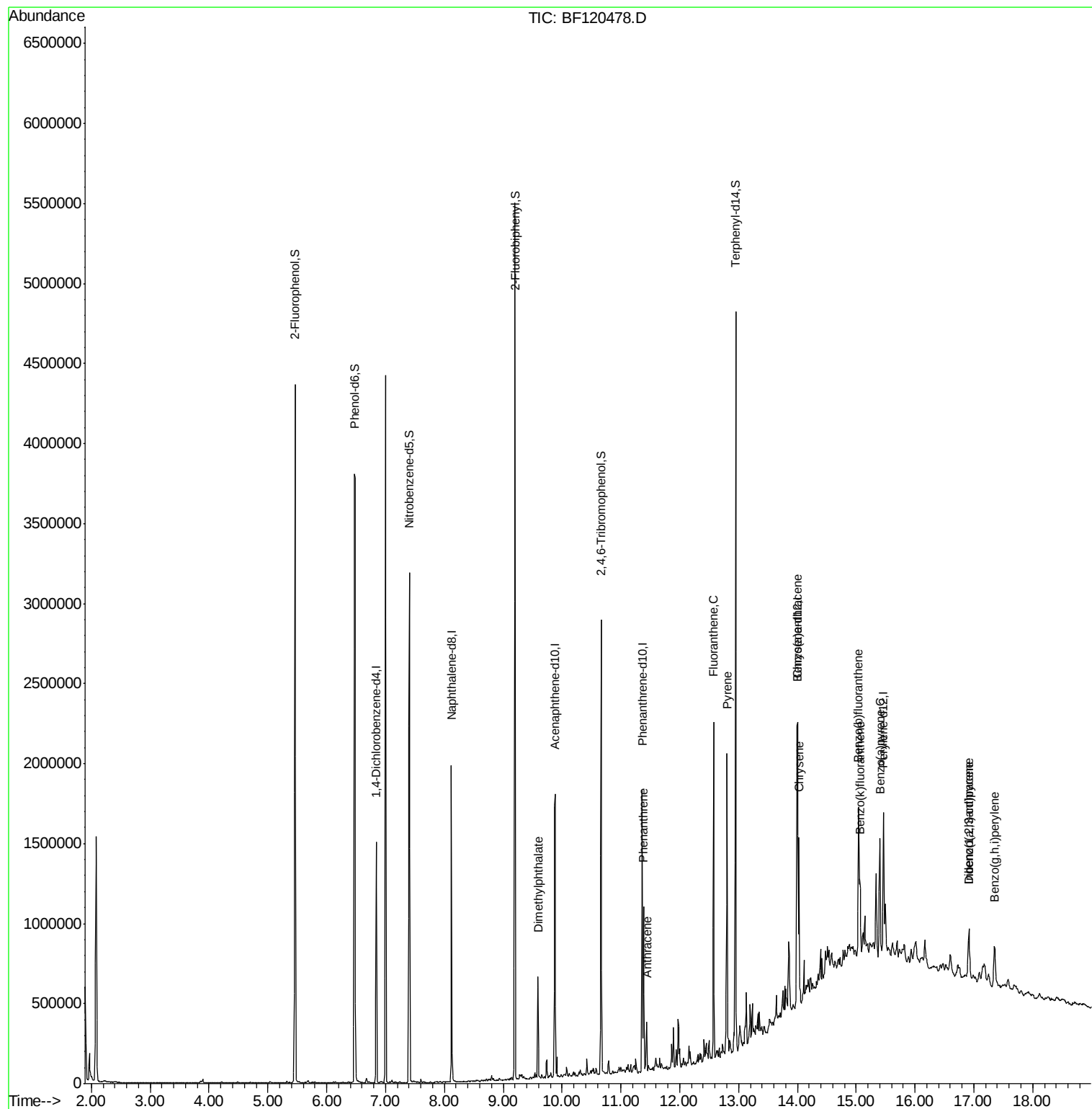
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060120\
Data File : BF120478.D
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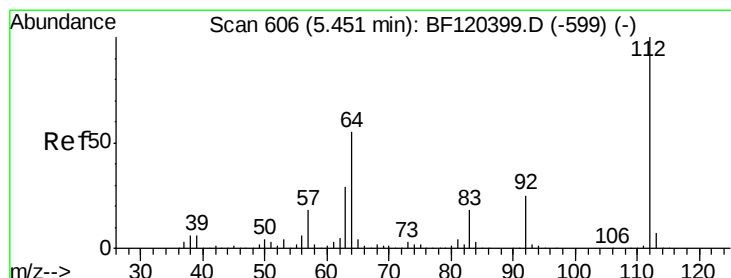
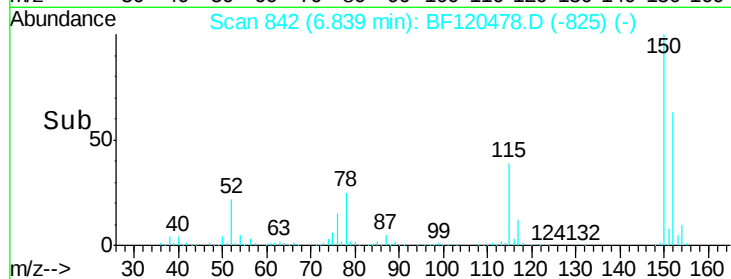
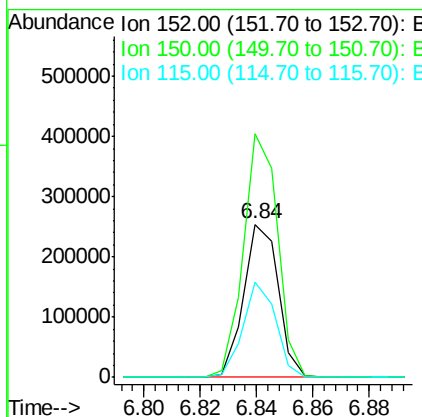
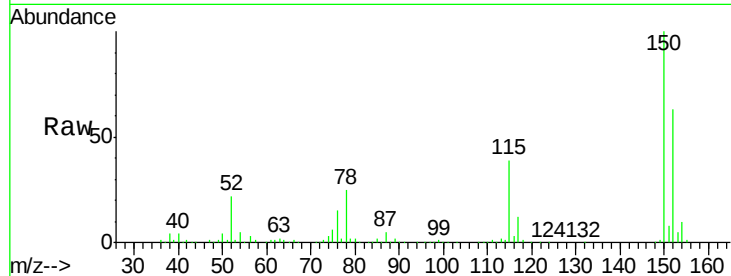
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-052820

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.5	189.7
115	61.8	47.6	71.4

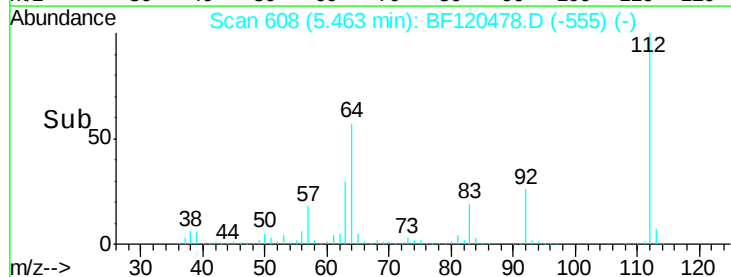
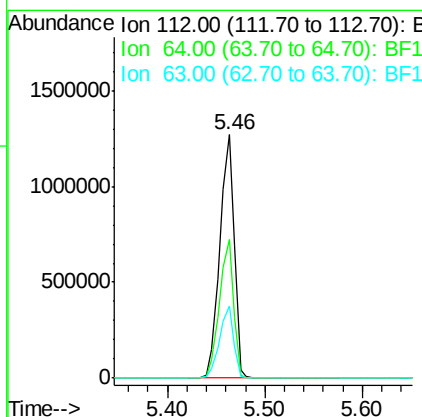
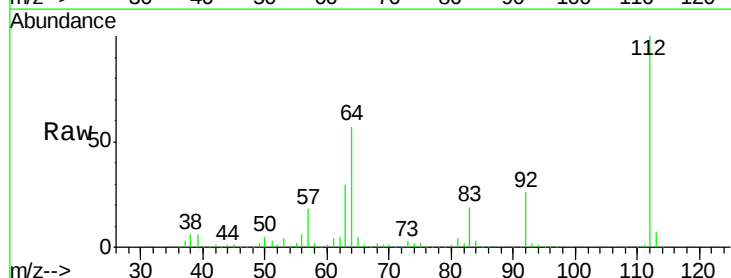
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#5
 2-Fluorophenol
 Concen: 114.91 ng
 RT: 5.46 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.3	66.5
63	29.8	22.9	34.3





#7

Phenol-d6

Concen: 115.37 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

Tgt Ion: 99 Resp: 1613814

Ion Ratio Lower Upper

99 100

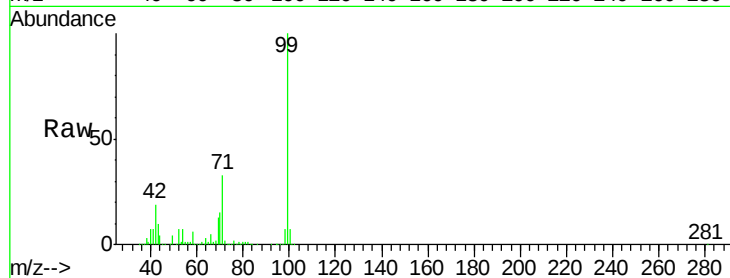
42 18.9 15.2 22.8

71 33.1 25.6 38.4

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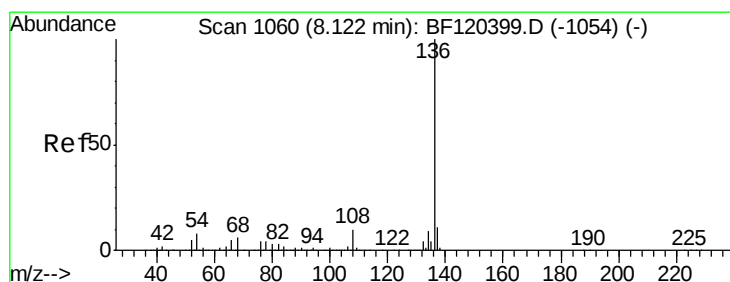
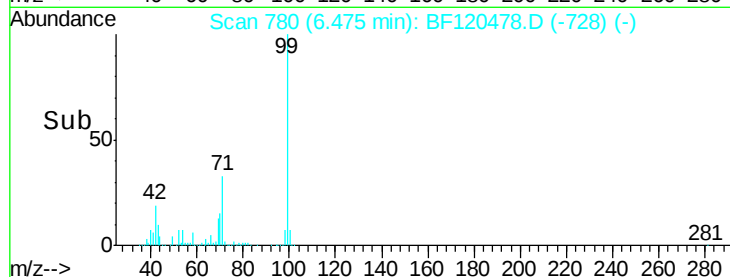
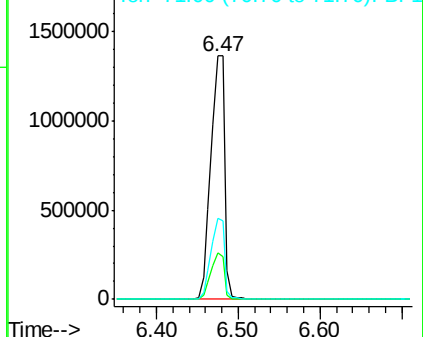
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Tgt Ion: 136 Resp: 771839

Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.0 6.7 10.1

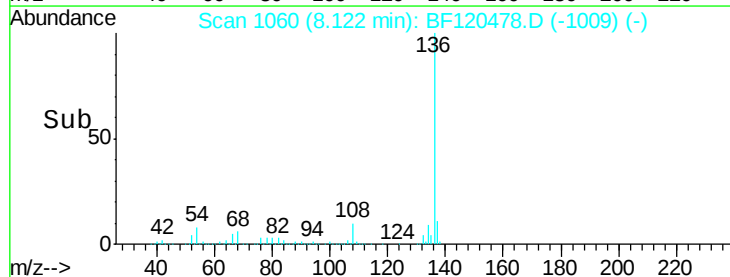
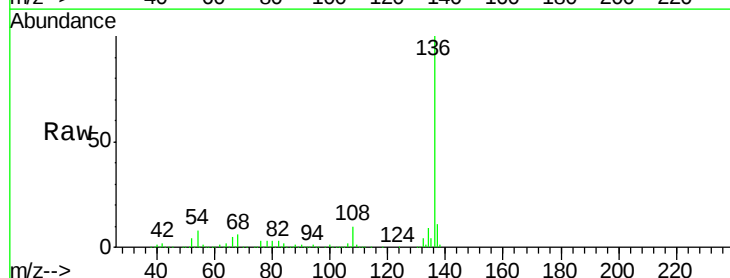
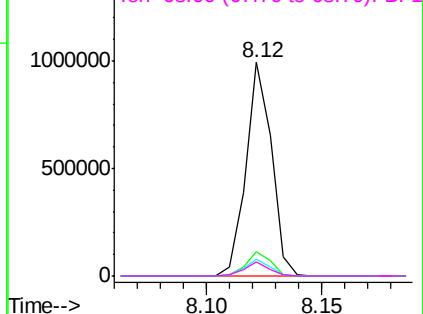
68 6.3 5.0 7.4

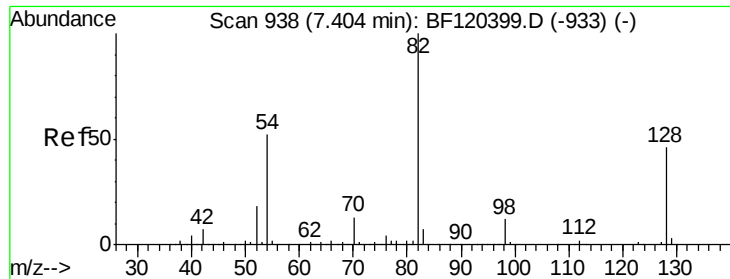
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





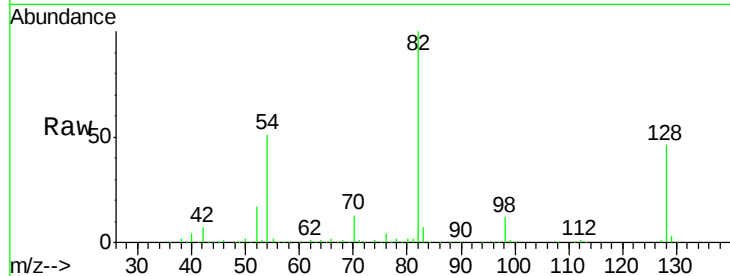
#23
 Nitrobenzene-d5
 Concen: 84.32 ng
 RT: 7.40 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-052820

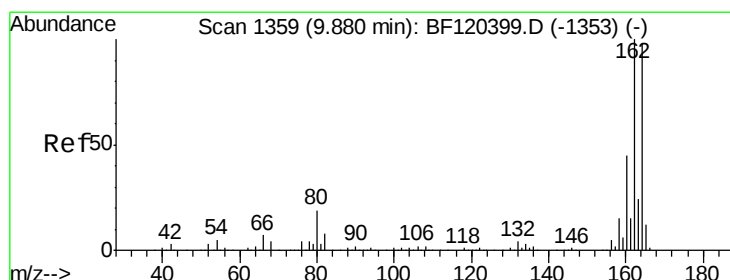
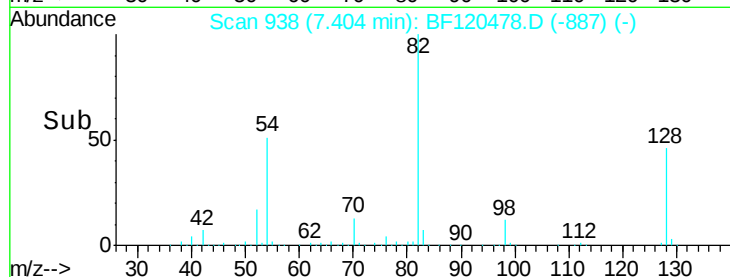
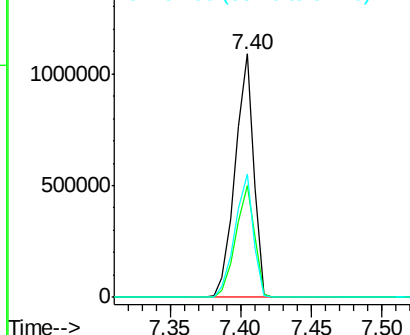
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	994961		
128	46.0	36.8	55.2	
54	50.7	41.6	62.4	

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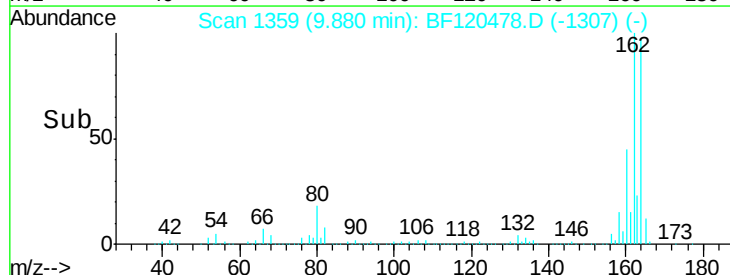
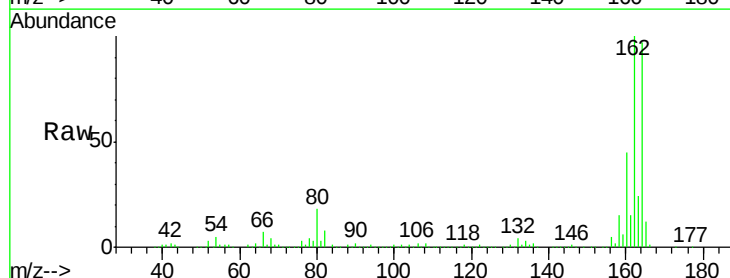
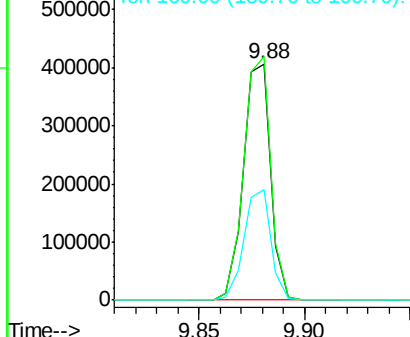
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF1

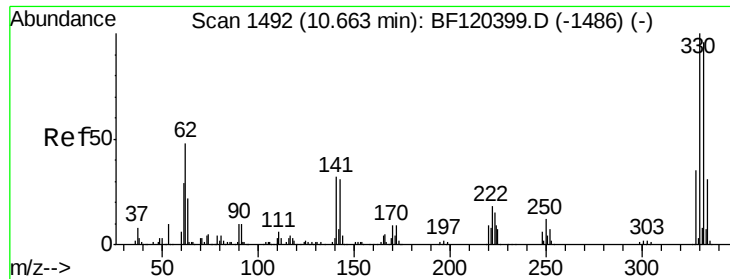


#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	363214		
162	103.0	81.3	121.9	
160	46.8	36.9	55.3	

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





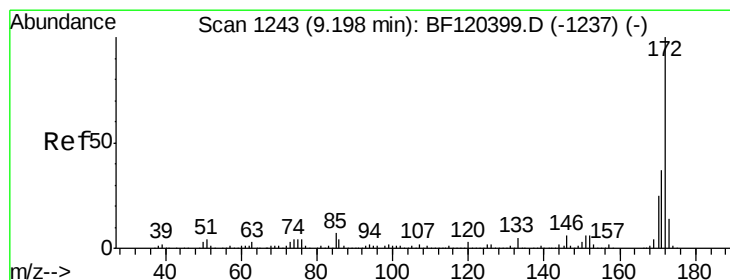
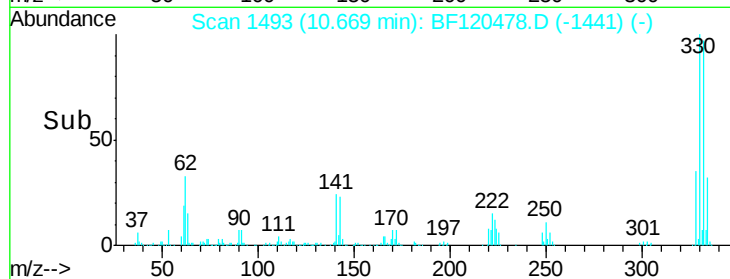
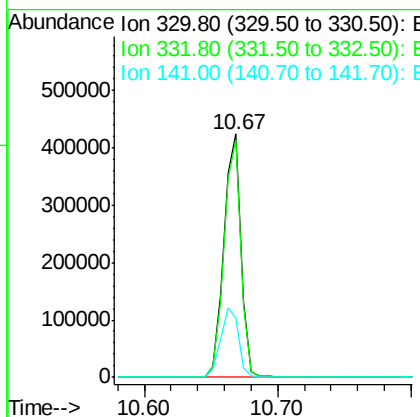
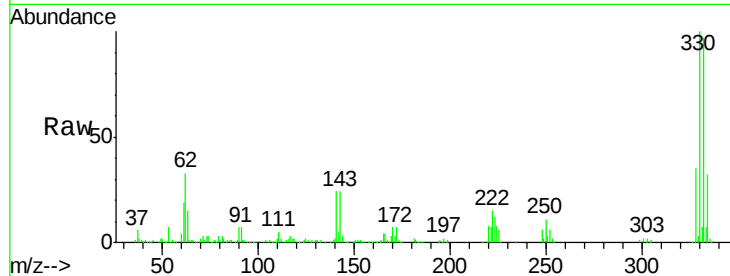
#42
 2,4,6-Tribromophenol
 Concen: 115.32 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-052820

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	388078		
332	96.5	77.0	115.6	
141	29.5	25.3	37.9	

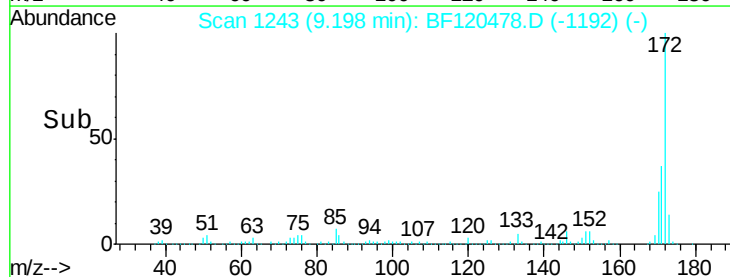
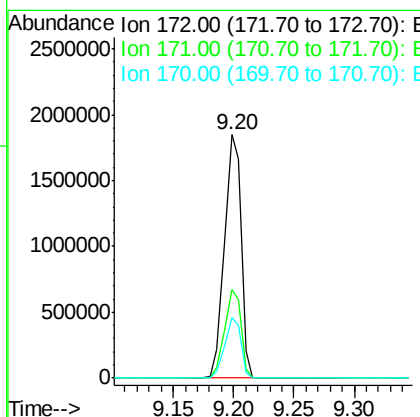
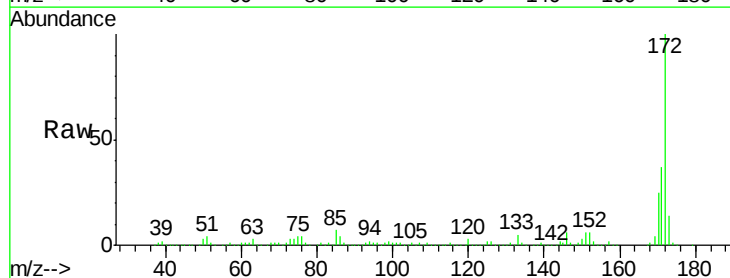
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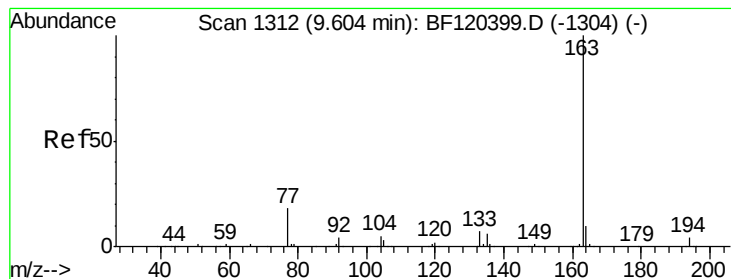
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#45
 2-Fluorobiphenyl
 Concen: 82.13 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1758263		
171	36.6	29.7	44.5	
170	24.7	19.9	29.9	





#50

Dimethylphthalate

Concen: 10.53 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

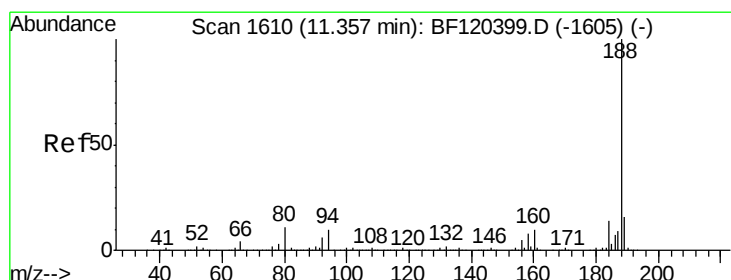
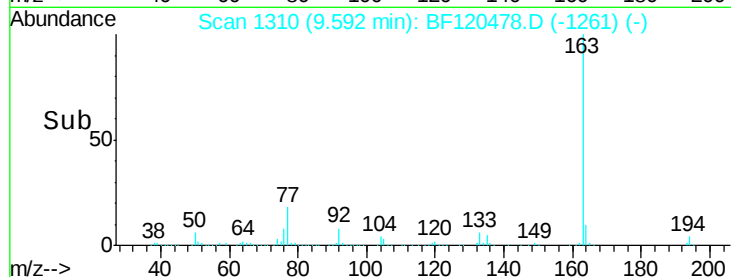
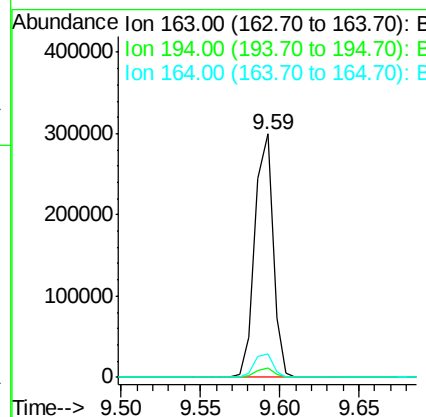
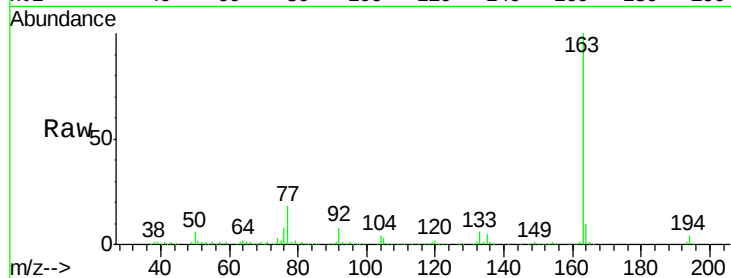
ClientSampleId :

OR-03-052820

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	239212		
194	3.8	3.3	4.9	
164	9.9	8.3	12.5	

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#64

Phenanthrene-d10

Concen: 20.00 ng

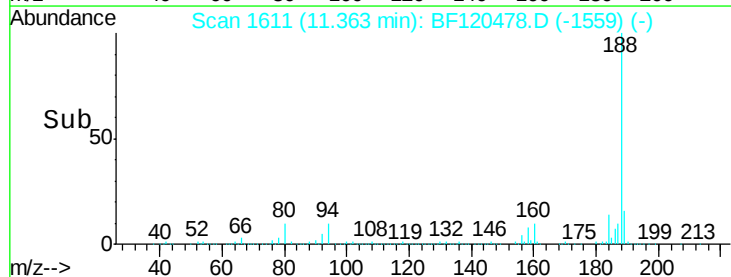
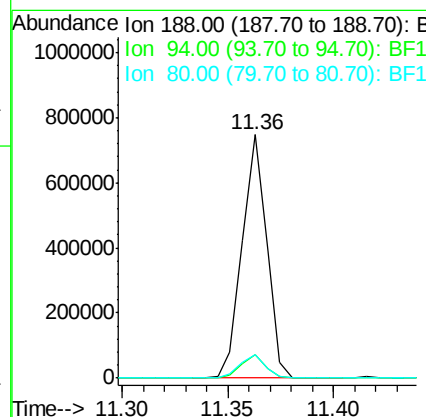
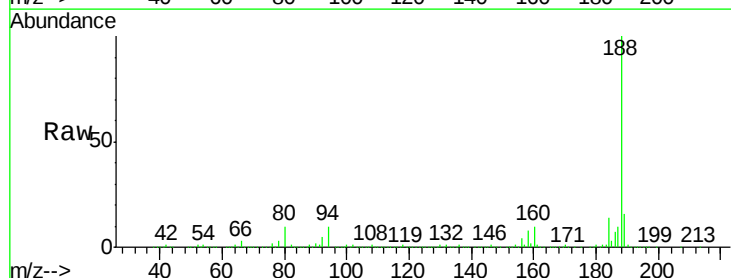
RT: 11.36 min Scan# 1611

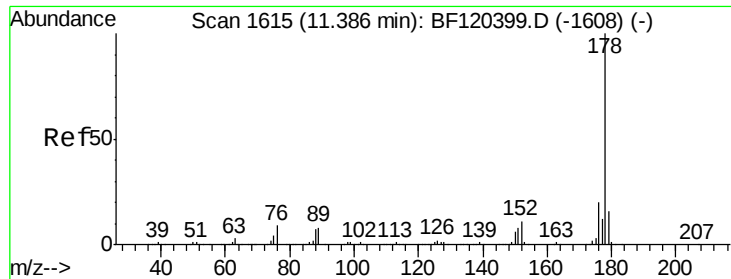
Delta R.T. 0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	600523		
94	9.6	7.9	11.9	
80	9.6	8.6	13.0	





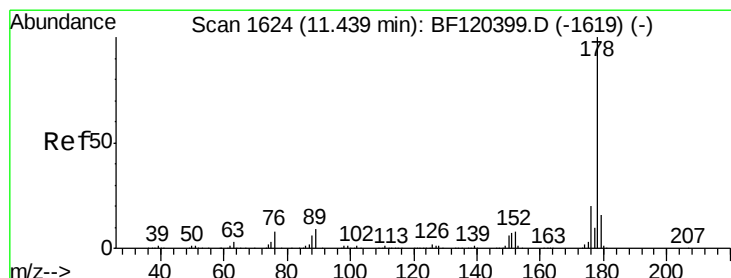
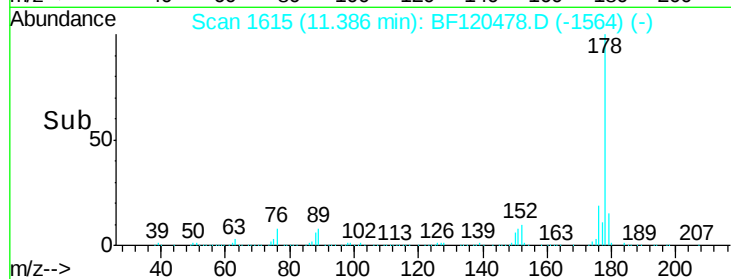
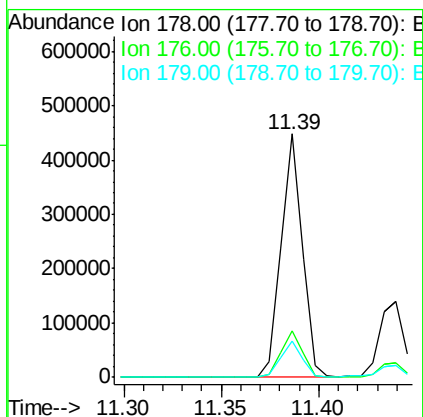
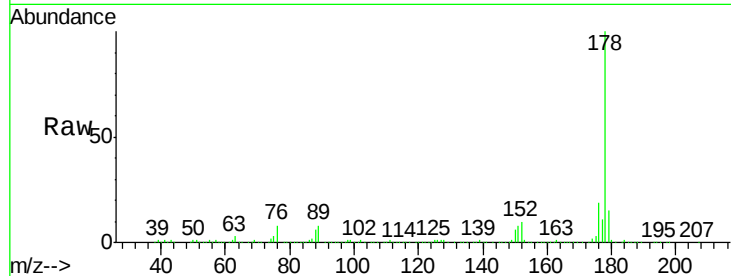
#71
Phenanthrene
Concen: 12.81 ng
RT: 11.39 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Instrument :
BNA_F
ClientSampleId :
OR-03-052820

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.4	24.6
179	15.1	13.0	19.4

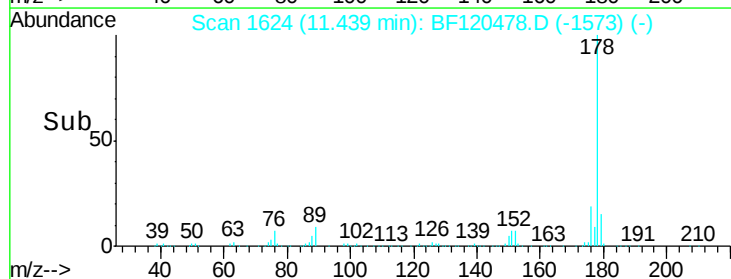
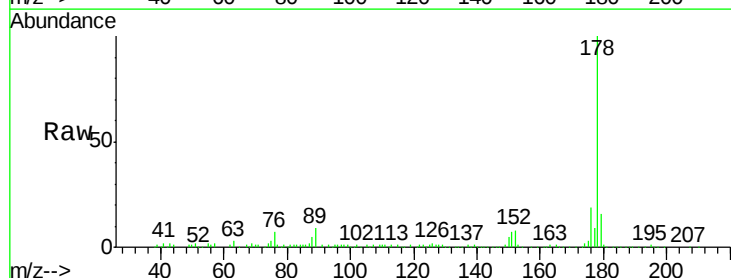
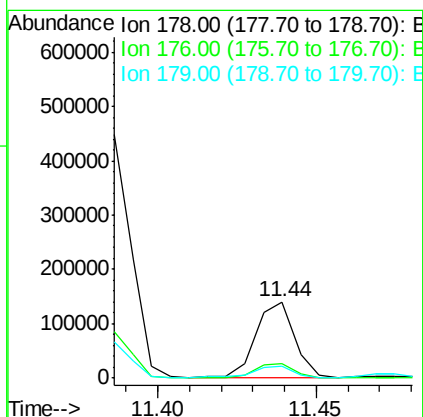
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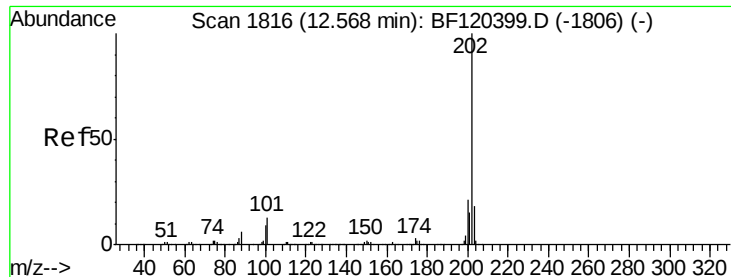
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#72
Anthracene
Concen: 4.45 ng
RT: 11.44 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.8	12.8	19.2





#75

Fluoranthene

Concen: 30.19 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

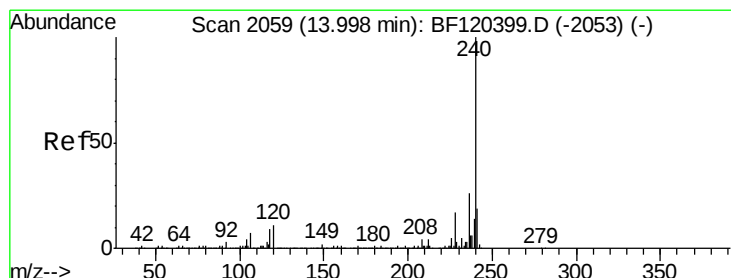
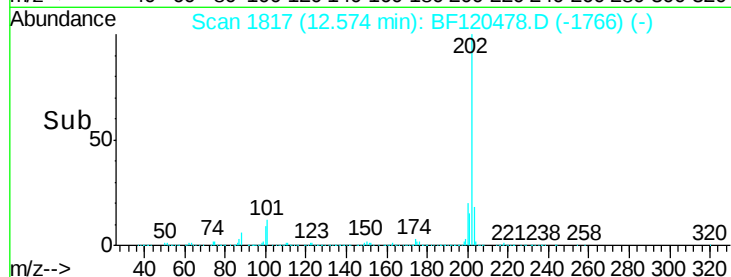
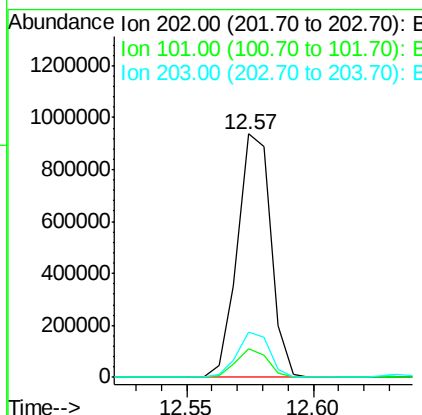
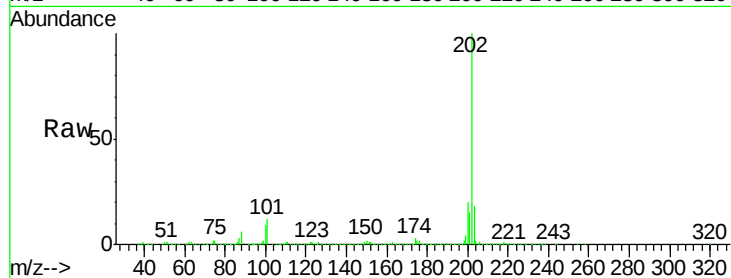
ClientSampleId :

OR-03-052820

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		859632		
101	11.7	0.0	32.6		
203	18.4	0.0	38.4		

Manual Integrations
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#76

Chrysene-d12

Concen: 20.00 ng

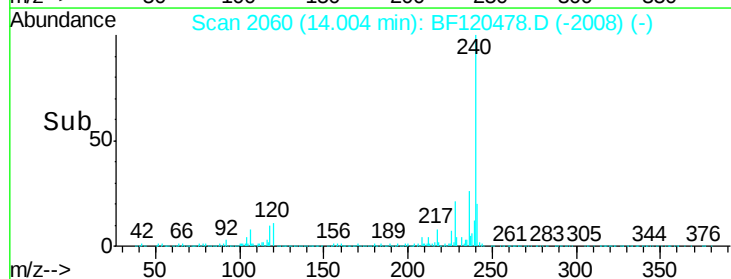
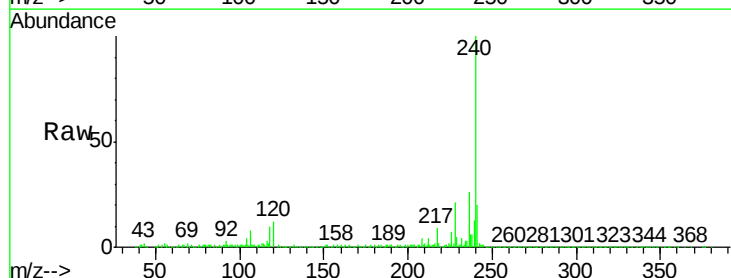
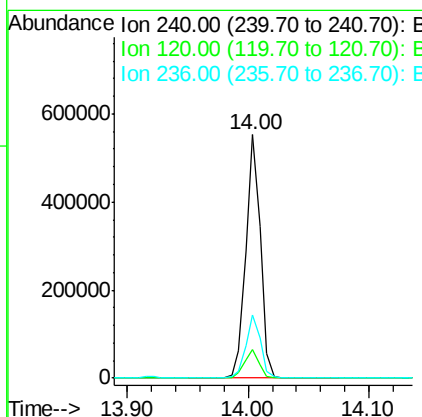
RT: 14.00 min Scan# 2060

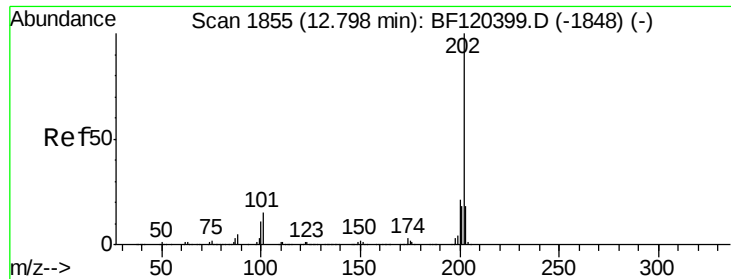
Delta R.T. 0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		465174		
120	11.5	8.8	13.2		
236	25.9	21.0	31.4		





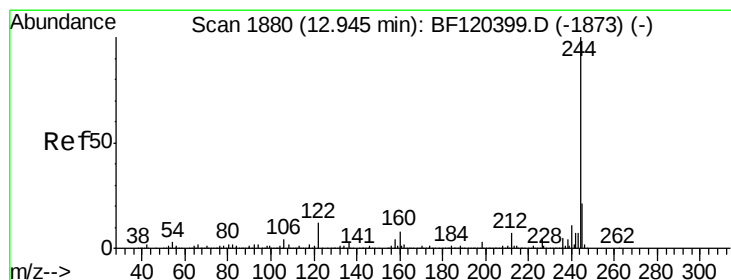
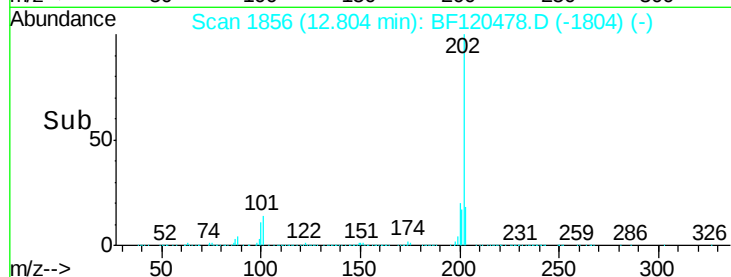
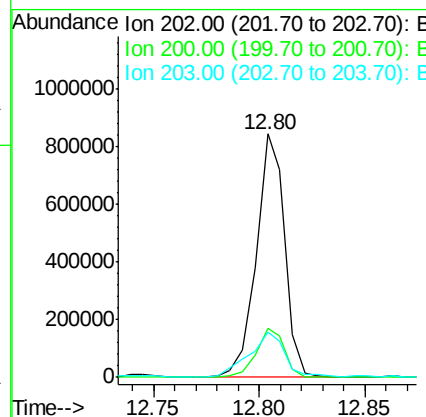
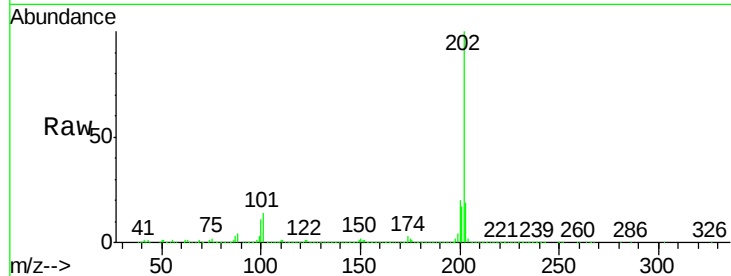
#78
 Pyrene
 Concen: 24.32 ng
 RT: 12.80 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-052820

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	17.0	25.4
203	18.6	14.7	22.1

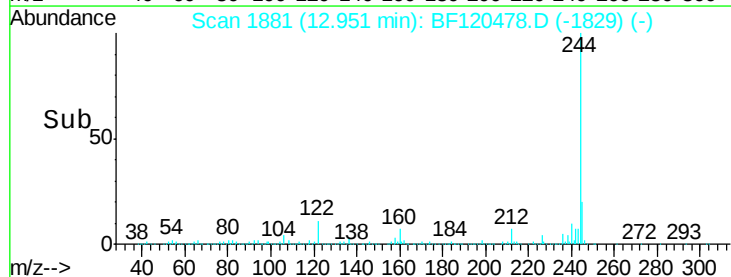
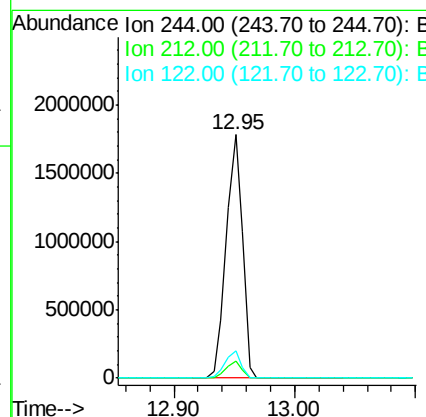
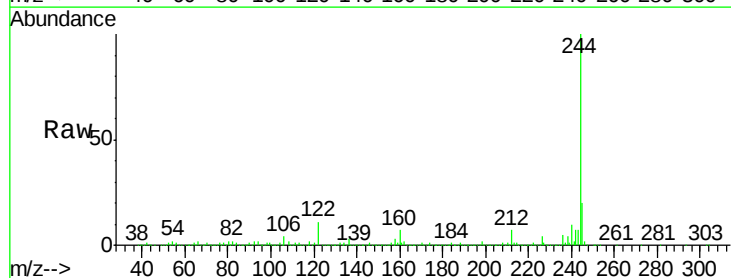
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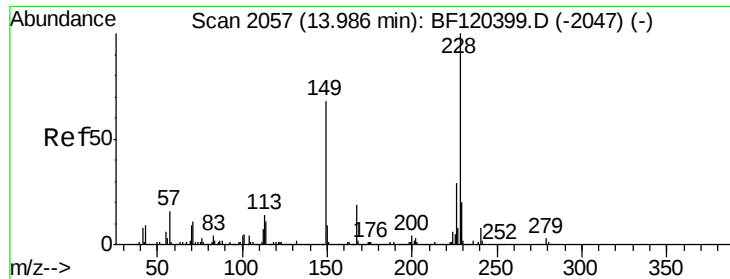
mohammad
 6/2/2020 3:26:15 PM



#79
 Terphenyl-d14
 Concen: 79.10 ng
 RT: 12.95 min Scan# 1881
 Delta R.T. 0.01 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.9	8.9
122	11.0	9.2	13.8





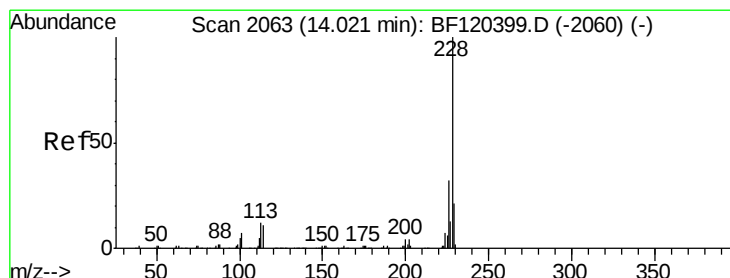
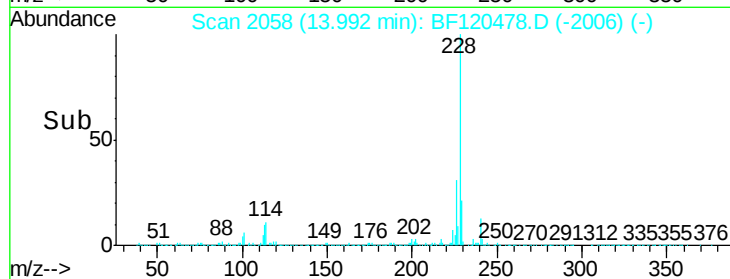
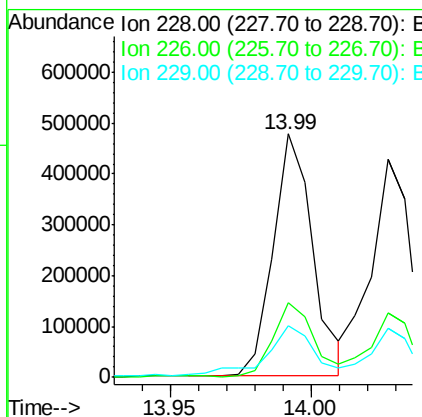
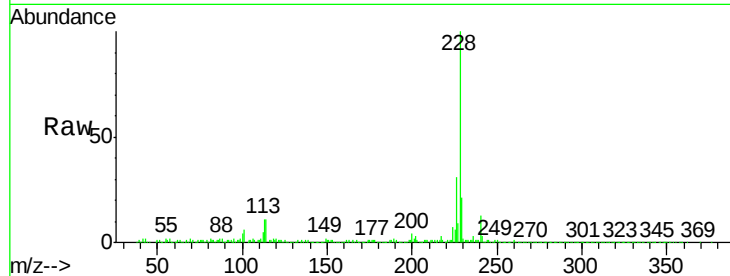
#81
Benzo(a)anthracene
Concen: 18.69 ng
RT: 13.99 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Instrument :
BNA_F
ClientSampleId :
OR-03-052820

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.0	34.4
229	21.4	16.2	24.4

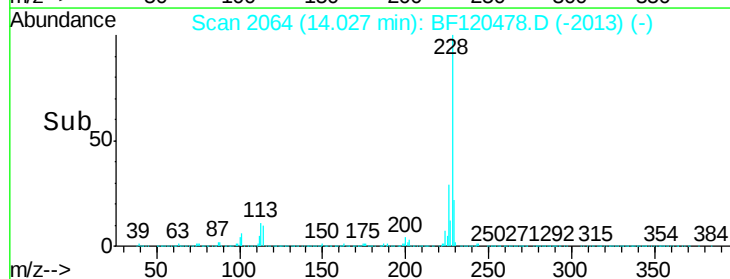
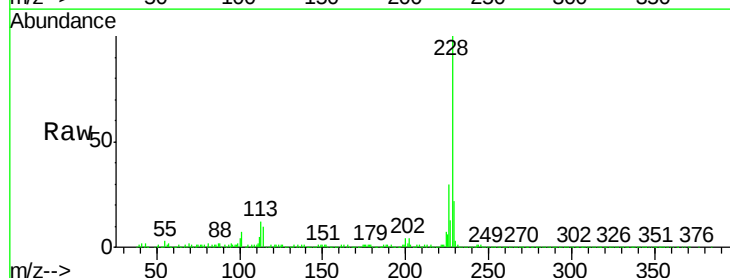
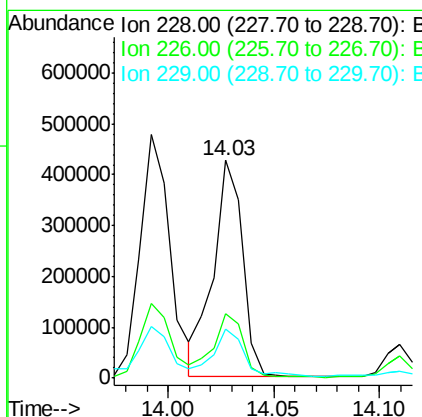
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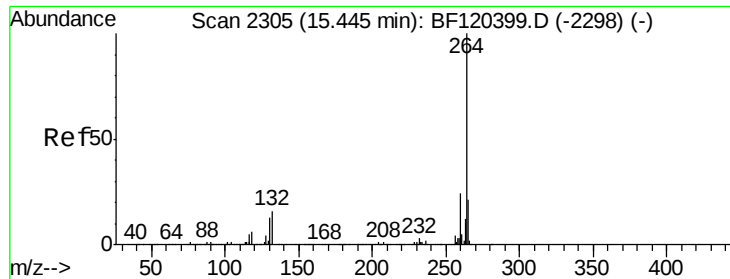
mohammad
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#83
Chrysene
Concen: 15.79 ng
RT: 14.03 min Scan# 2064
Delta R.T. 0.00 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.6	38.4
229	22.3	16.6	25.0





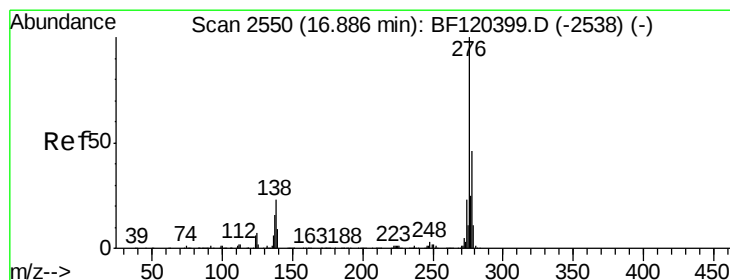
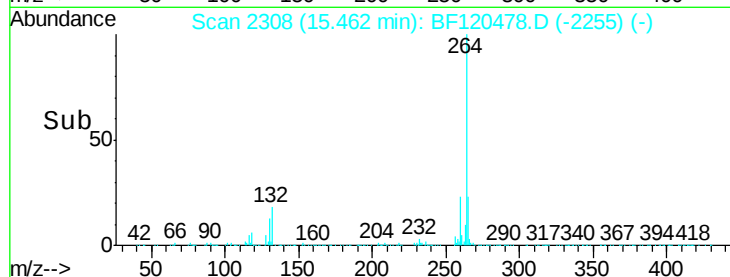
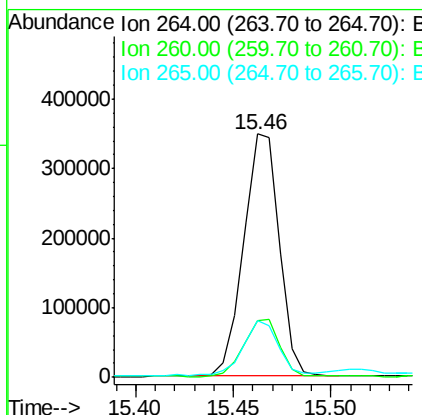
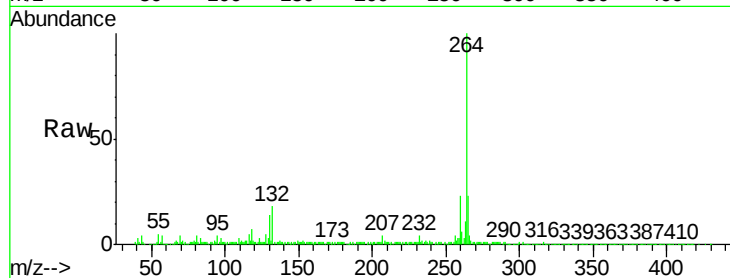
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Instrument :
BNA_F
ClientSampleId :
OR-03-052820

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.2	16.9	25.3

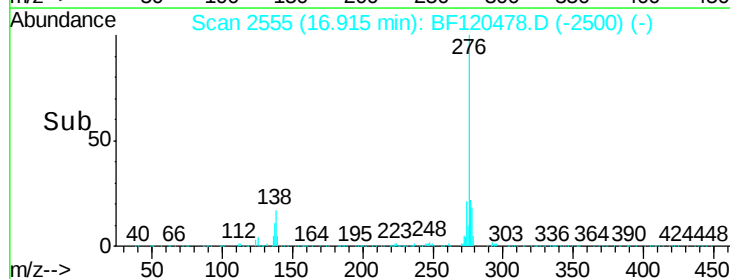
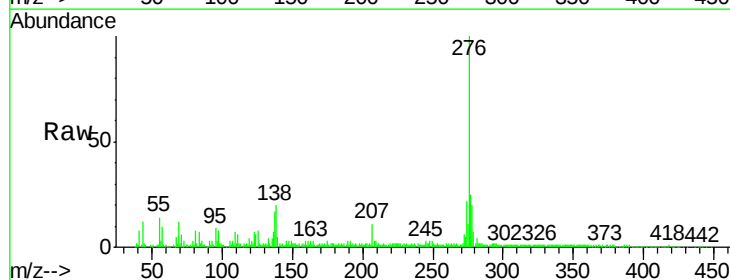
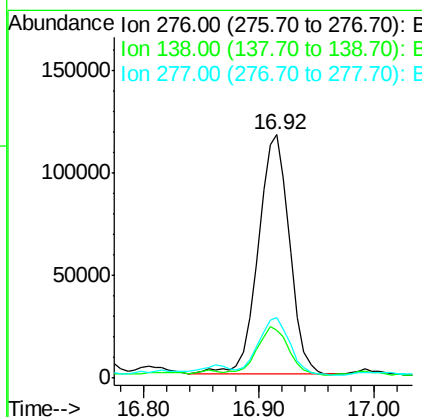
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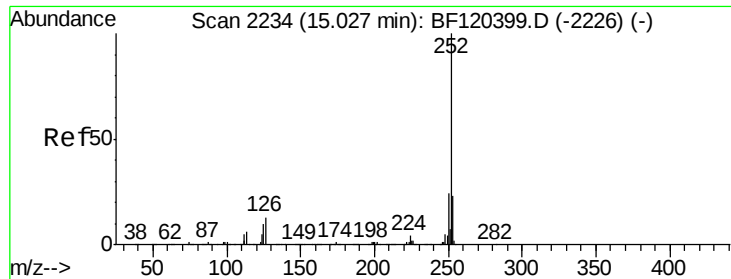
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 9.18 ng
RT: 16.92 min Scan# 2555
Delta R.T. 0.02 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	20.4	30.6
277	24.1	20.4	30.6





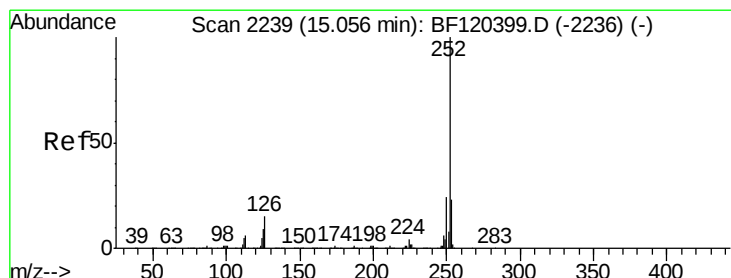
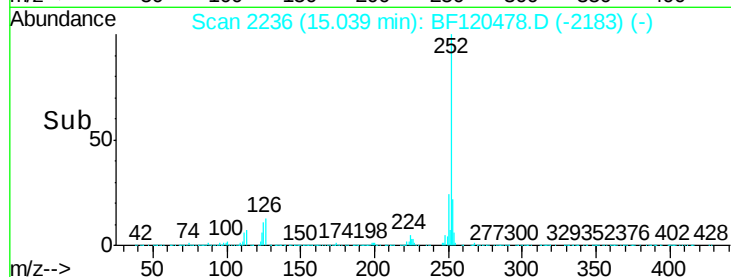
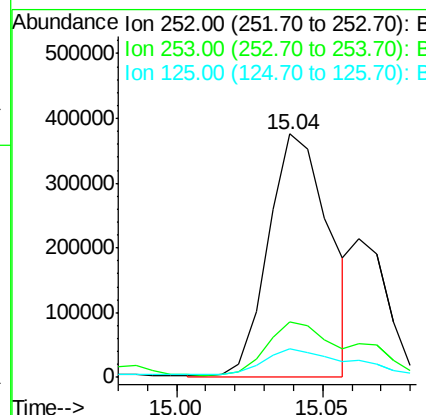
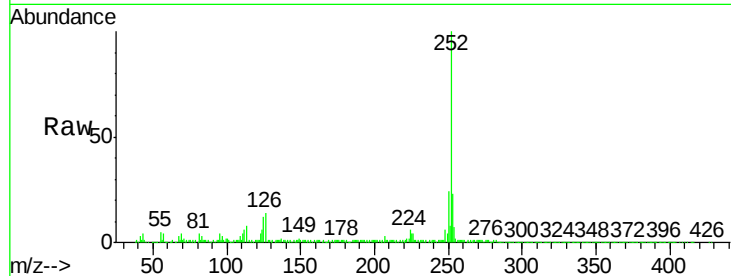
#88
Benzo(b)fluoranthene
Concen: 22.29 ng m
RT: 15.04 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Instrument :
BNA_F
ClientSampleId :
OR-03-052820

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.8	7.8	11.8

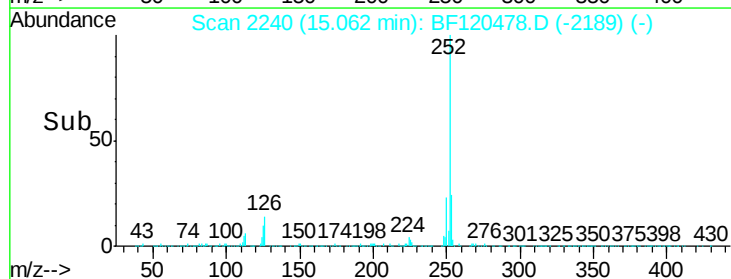
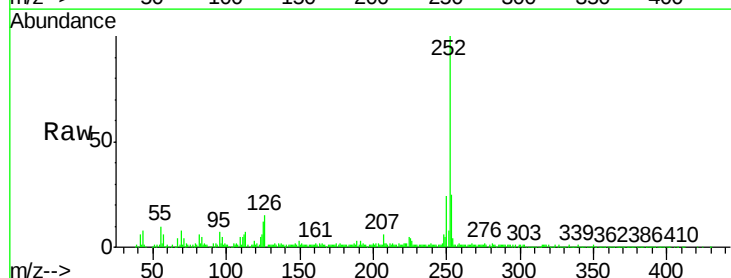
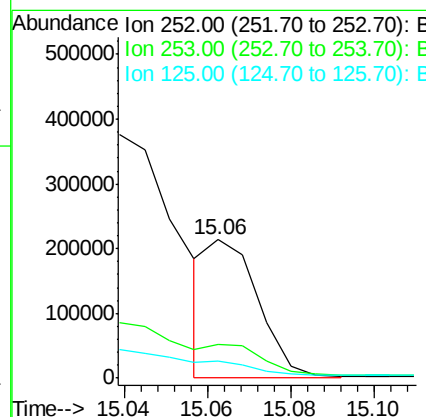
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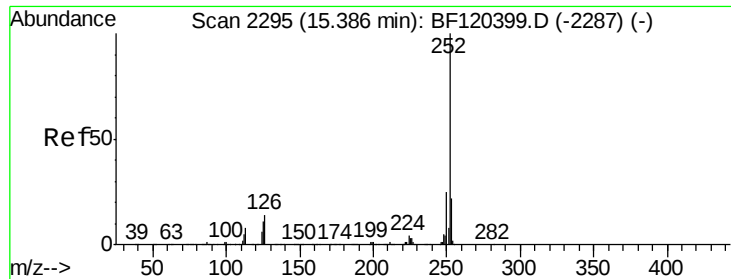
mohammad
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#89
Benzo(k)fluoranthene
Concen: 7.98 ng m
RT: 15.06 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	12.1	8.0	12.0





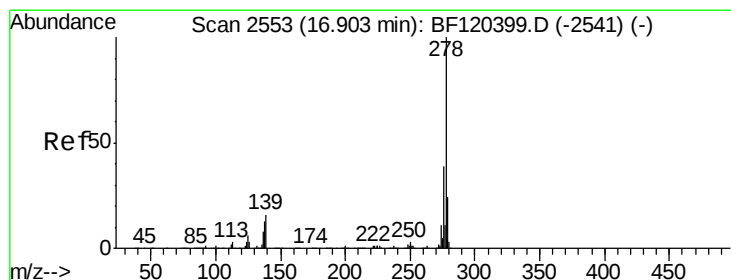
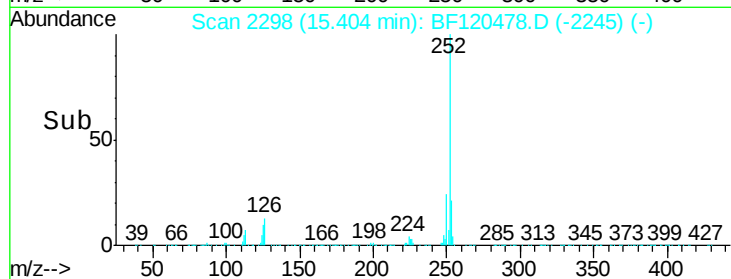
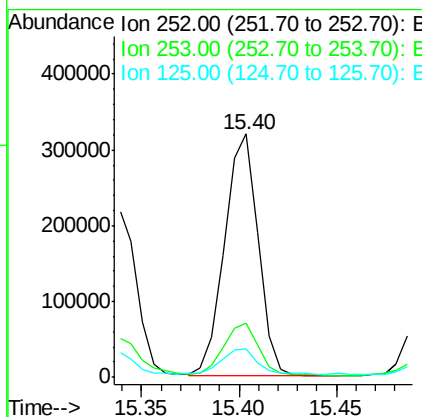
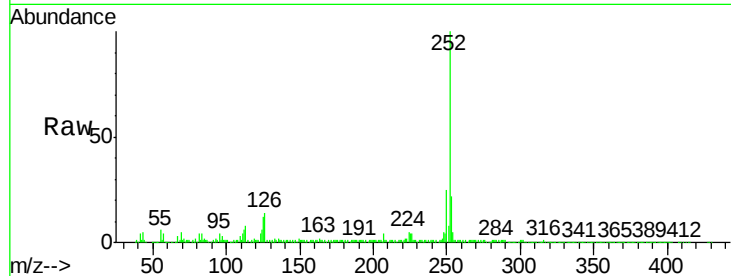
#90
Benzo(a)pyrene
Concen: 17.81 ng
RT: 15.40 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Instrument :
BNA_F
ClientSampleId :
OR-03-052820

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	381511		
253	22.4	17.4	26.0	
125	11.5	8.7	13.1	

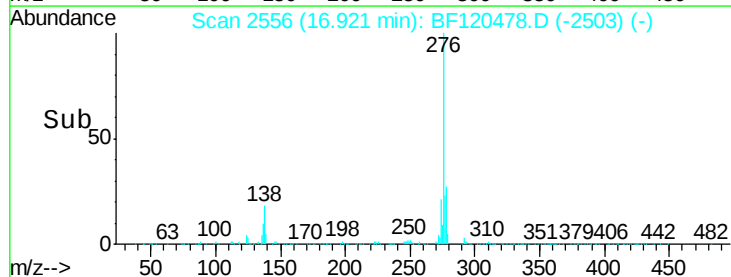
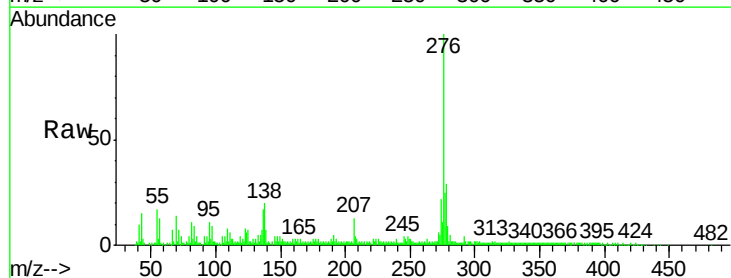
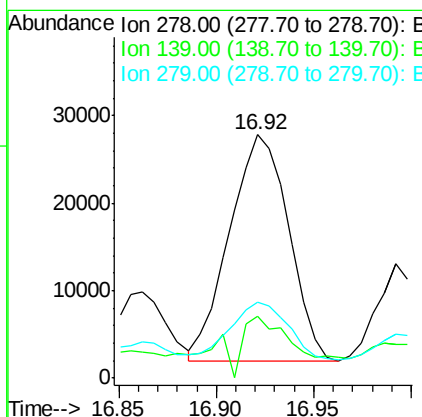
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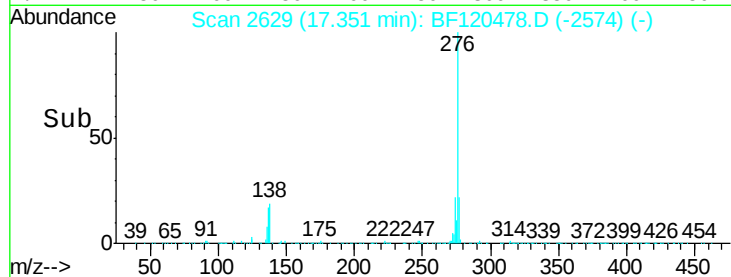
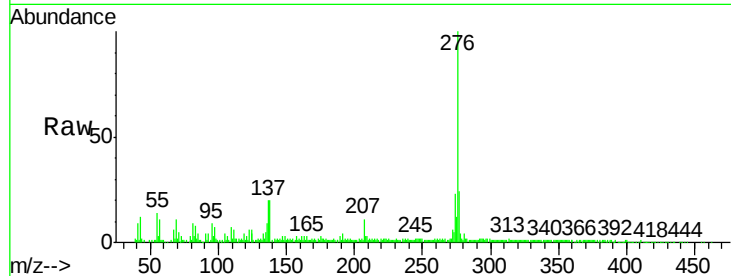
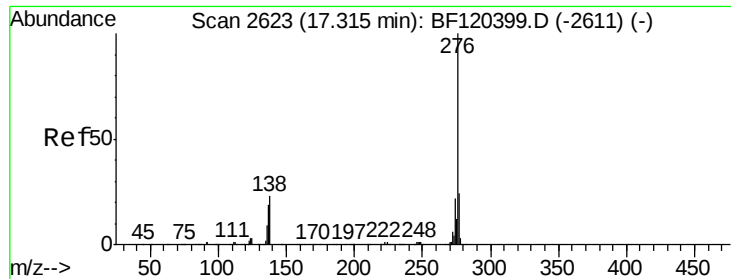
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.75 ng
RT: 16.92 min Scan# 2556
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	54127		
139	25.5	12.8	19.2#	
279	31.1	19.0	28.4#	





#92

Benzo(g,h,i)perylene

Concen: 10.56 ng

RT: 17.35 min Scan# 2629

Delta R.T. 0.02 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		204676		
277	23.8	19.5	29.3		
138	20.3	18.1	27.1		

Manual Integrations
APPROVED

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