

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120051.D
 Acq On : 17 Apr 2020 11:39
 Operator : MA/SJ
 Sample : L2245-18
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Manual Integrations
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Quant Time: Apr 17 13:00:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	180662	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	706242	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	351353	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	605302	20.00	ng	0.00
76) Chrysene-d12	13.90	240	328770	20.00	ng	0.00
87) Perylene-d12	15.33	264	291846	20.00	ng	0.00

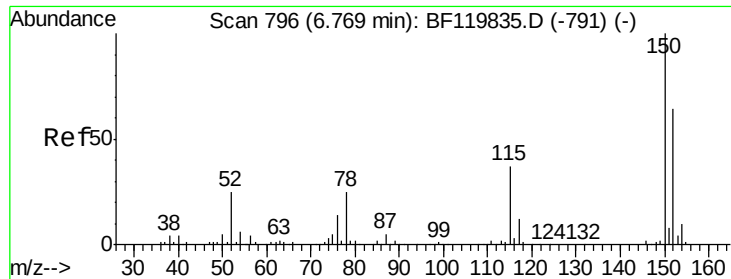
System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	879901	84.17	ng	0.00
7) Phenol-d6	6.36	99	1121912	83.29	ng	0.00
23) Nitrobenzene-d5	7.29	82	745419	54.60	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	289411	67.28	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1449283	58.56	ng	0.00
79) Terphenyl-d14	12.85	244	1253714	64.17	ng	0.00

Target Compounds

						Qvalue
20) 3+4-Methylphenols	7.14	107	31004	2.432	ng	# 64
31) Naphthalene	8.03	128	82799	2.228	ng	98
50) Dimethylphthalate	9.49	163	89082	3.278	ng	100
52) Acenaphthene	9.80	154	60132	2.595	ng	98
58) Fluorene	10.31	166	74700	2.937	ng	# 98
71) Phenanthrene	11.28	178	945246	29.342	ng	99
72) Anthracene	11.33	178	252245	7.665	ng	98
73) Carbazole	11.48	167	80296	2.580	ng	97
75) Fluoranthene	12.47	202	1410958	40.592	ng	99
78) Pyrene	12.70	202	1293367	46.665	ng	99
81) Benzo(a)anthracene	13.89	228	598094	27.653	ng	97
83) Chrysene	13.92	228	540400	24.590	ng	97
86) Indeno(1,2,3-cd)pyrene	16.72	276	294205	15.187	ng	97
88) Benzo(b)fluoranthene	14.92	252	576326m	27.451	ng	
89) Benzo(k)fluoranthene	14.94	252	209627m	11.572	ng	
90) Benzo(a)pyrene	15.27	252	439995	24.926	ng	97
91) Dibenzo(a,h)anthracene	16.73	278	83498	5.340	ng	# 92
92) Benzo(g,h,i)perylene	17.14	276	273007	17.688	ng	99

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



#1

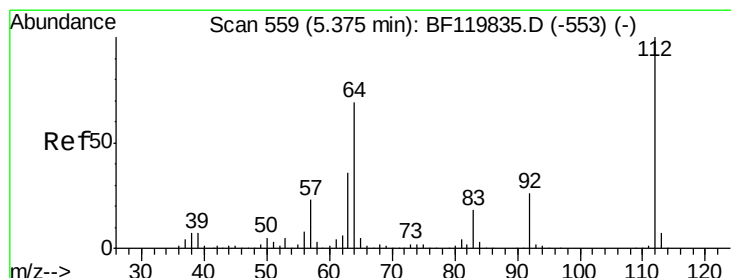
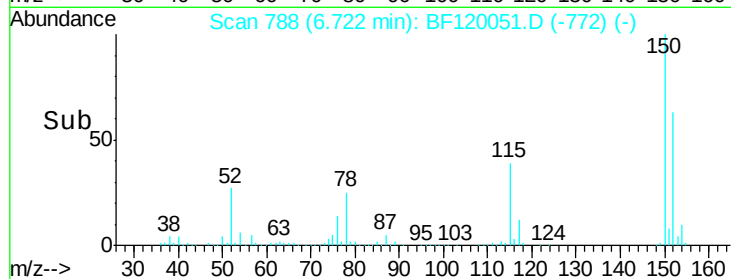
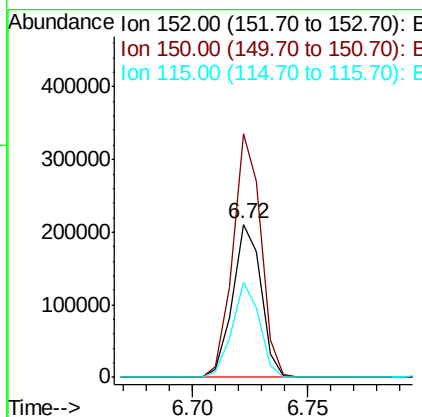
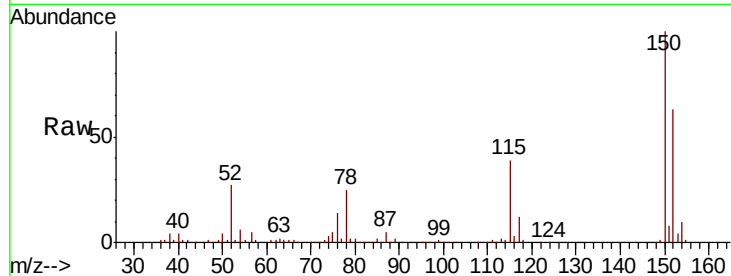
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.8	187.2
115	62.5	46.5	69.7

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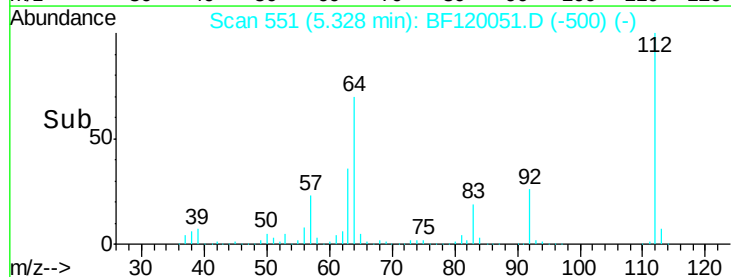
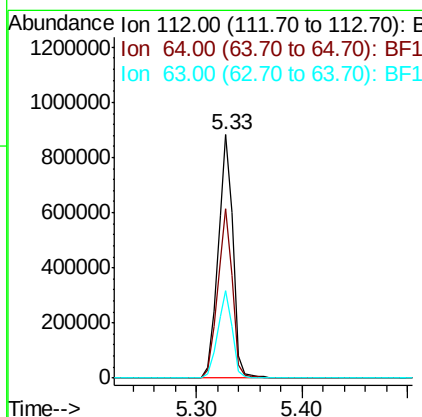
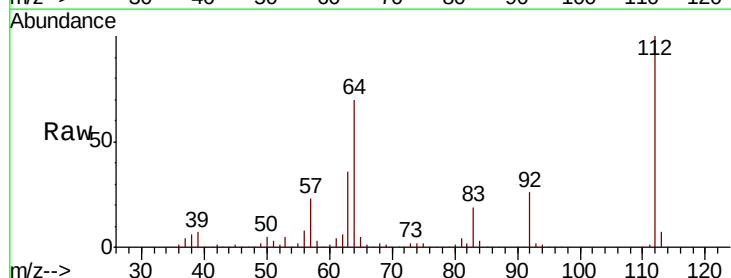
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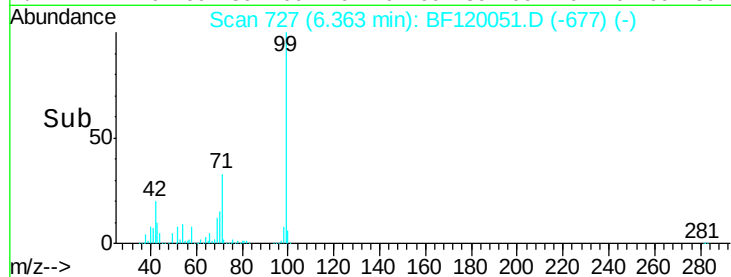
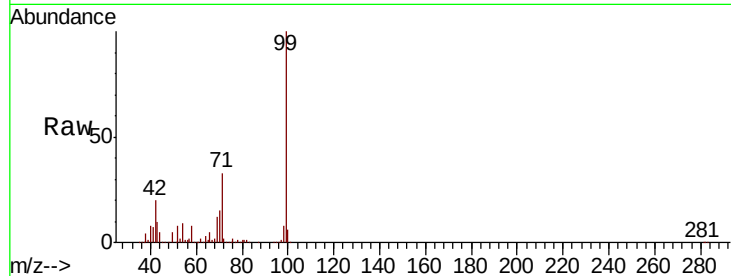
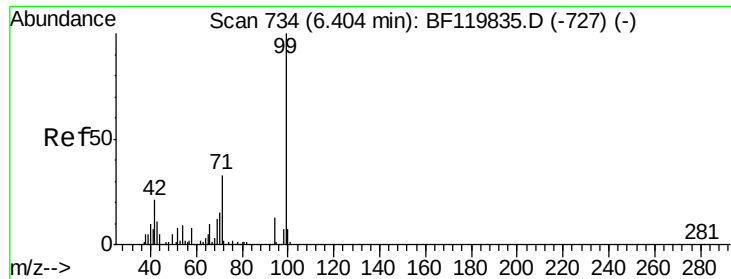


#5

2-Fluorophenol
Concen: 84.170 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	55.5	83.3
63	35.8	29.1	43.7





#7

Phenol-d6

Concen: 83.288 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF120051.D

Acq: 17 Apr 2020 11:39

Tot Ion	99	Resp	1121912
Ion	Ratio	Lower	Upper
99	100		
42	20.1	16.9	25.3
71	33.1	26.3	39.5

Instrument :

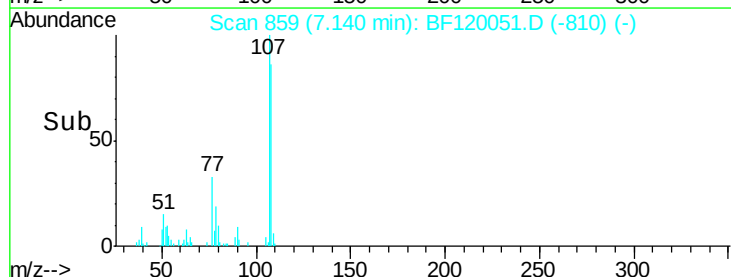
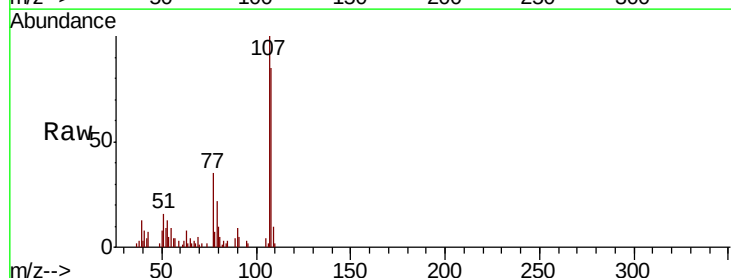
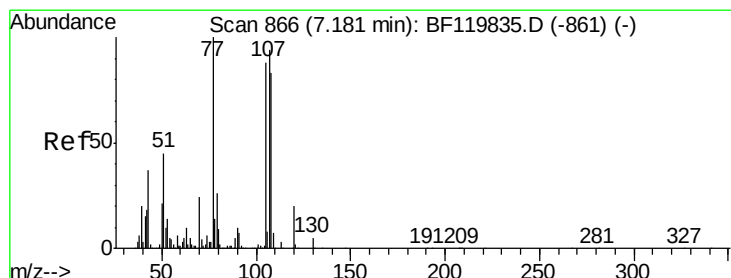
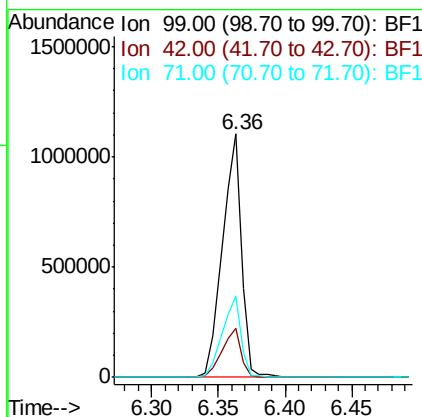
BNA_F

ClientSampled :

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#20

3+4-Methylphenols

Concen: 2.432 ng

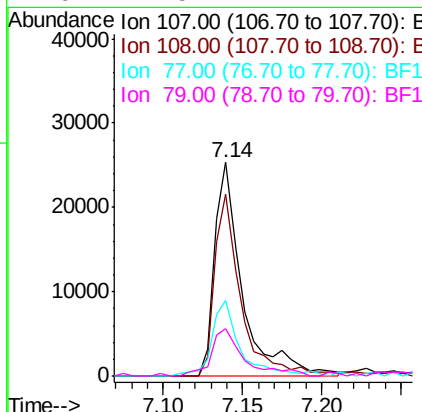
RT: 7.14 min Scan# 859

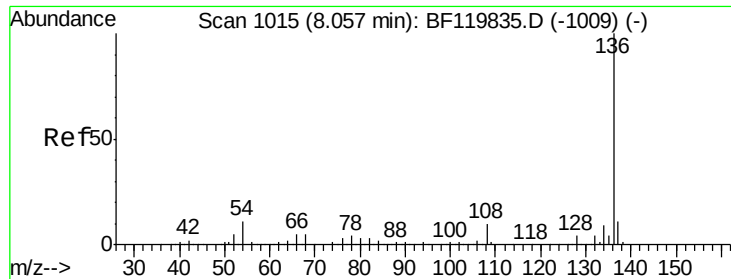
Delta R.T. -0.01 min

Lab File: BF120051.D

Acq: 17 Apr 2020 11:39

Tgt Ion	107	Resp	31004
Ion	Ratio	Lower	Upper
107	100		
108	85.0	68.2	108.2
77	35.3	86.6	126.6#
79	22.5	7.7	47.7





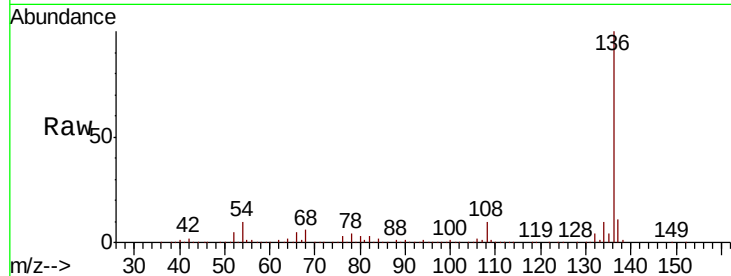
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Instrument :
BNA_F
ClientSampleId :
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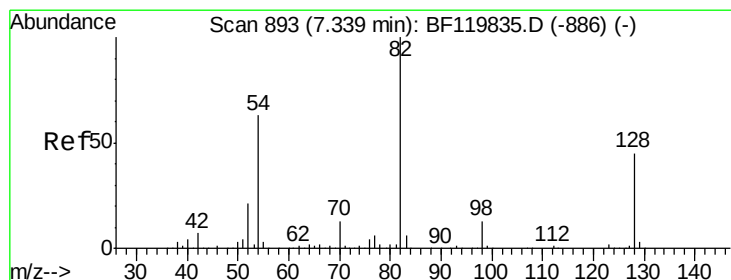
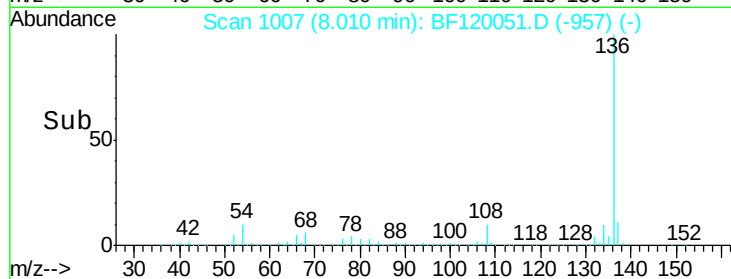
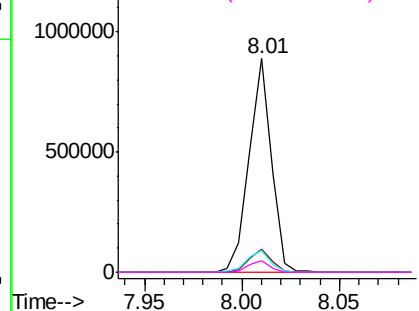
Tot Ion	Ratio	Resp	Lower	Upper
136	100	706242		
137	10.9		8.7	13.1
54	9.9		8.5	12.7
68	5.5		3.9	5.9

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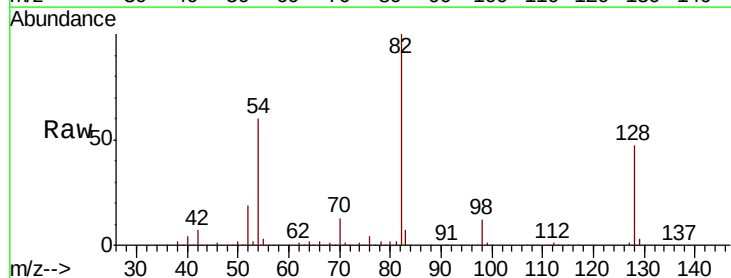


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

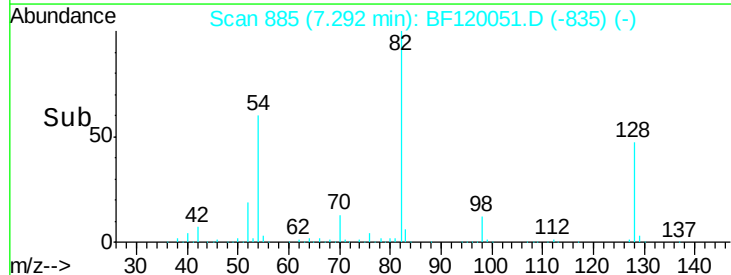
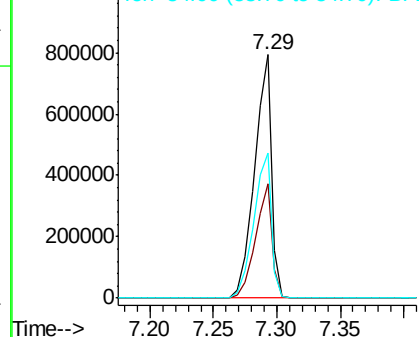


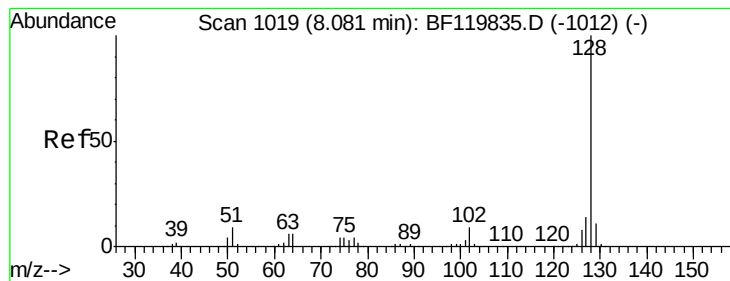
#23
Nitrobenzene-d5
Concen: 54.603 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	745419		
128	47.1		36.2	54.4
54	59.8		50.4	75.6



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





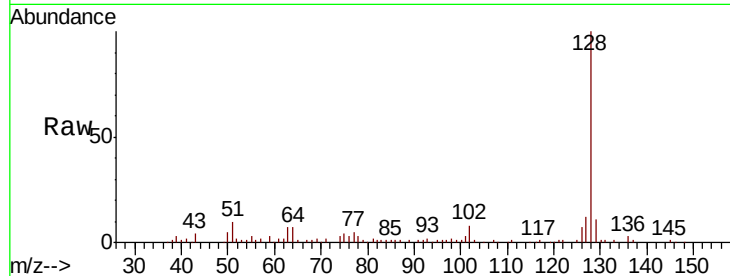
#31
Naphthalene
Concen: 2.228 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Instrument :
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ClientSampleId :
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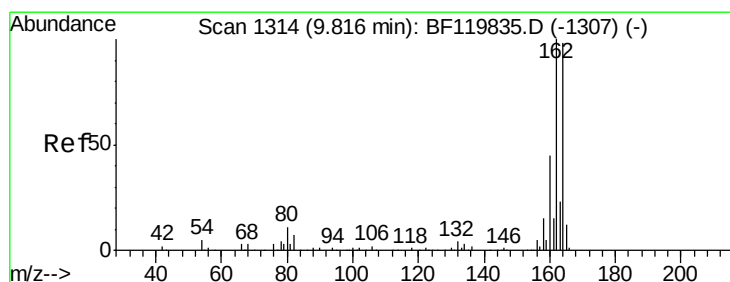
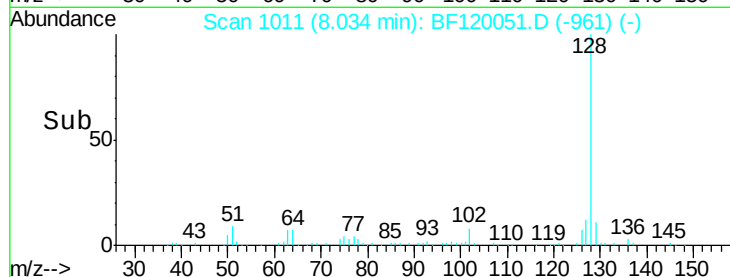
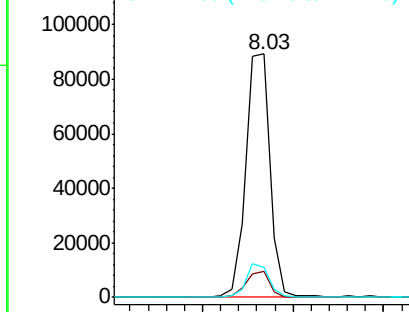
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	12.4	11.0	16.4

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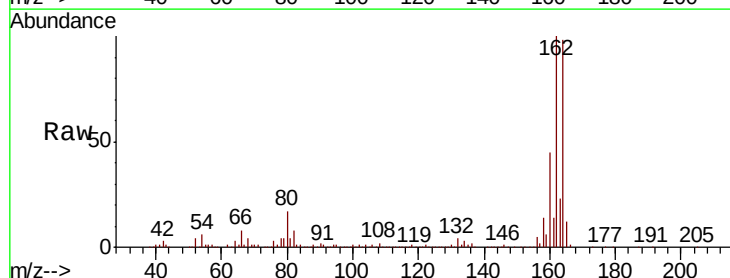


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

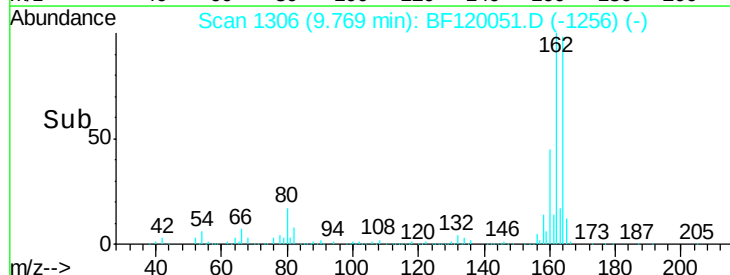
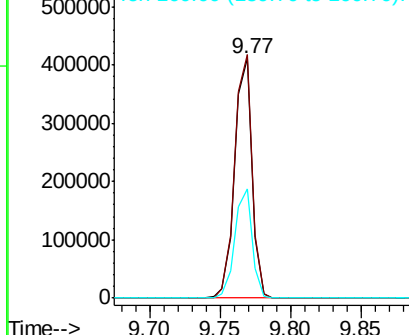


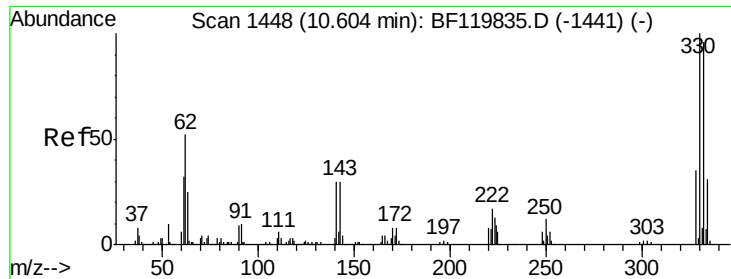
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.9	122.9
160	45.7	36.6	54.8



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





#42

2,4,6-Tribromophenol

Concen: 67.277 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF120051.D

Acq: 17 Apr 2020 11:39

Instrument :

BNA_F

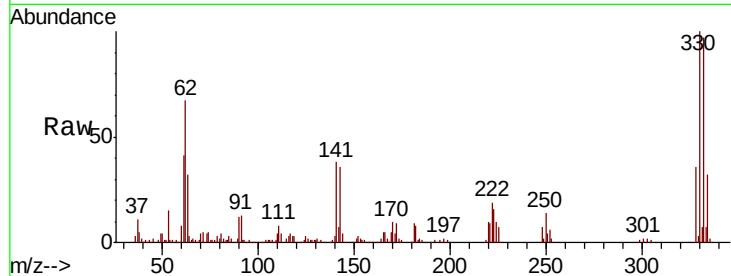
ClientSampled :

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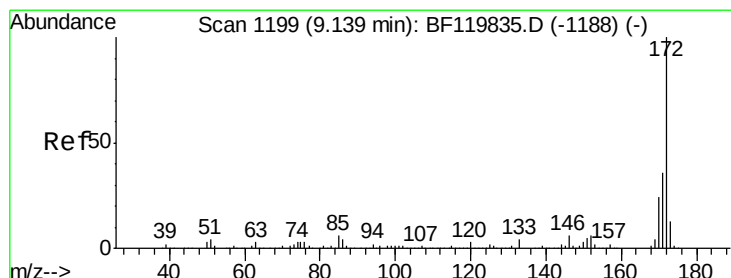
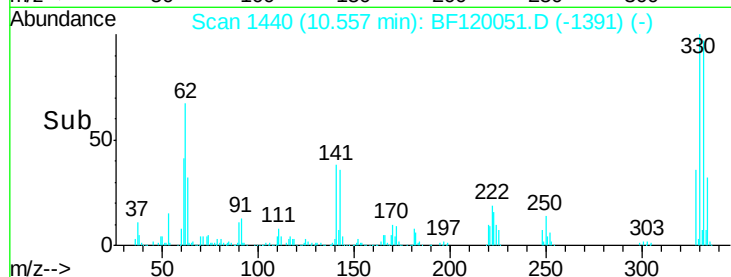
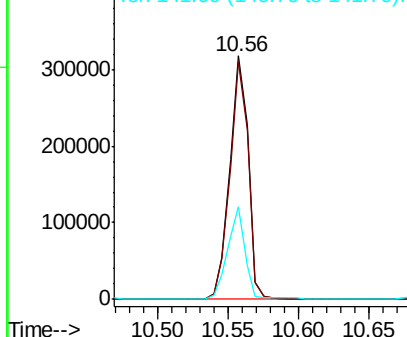
Tot Ion:	330	Resp:	289411
Ion Ratio	Lower	Upper	
330	100		
332	97.2	76.8	115.2
141	35.1	25.1	37.7

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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: 58.564 ng

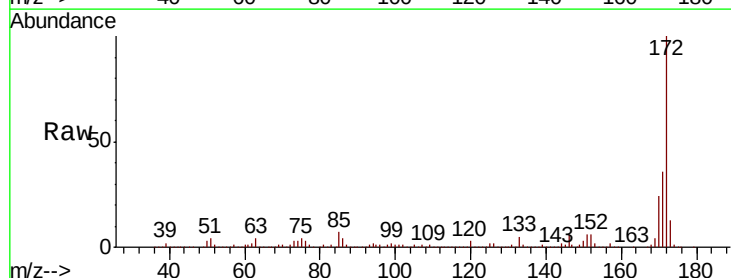
RT: 9.09 min Scan# 1191

Delta R.T. -0.01 min

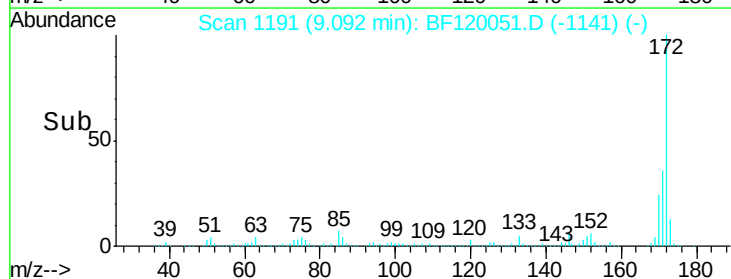
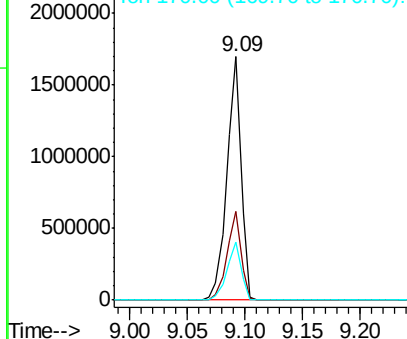
Lab File: BF120051.D

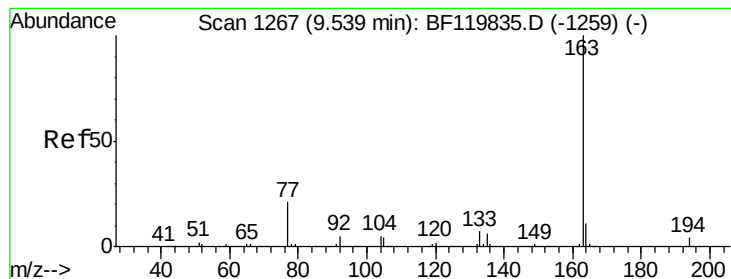
Acq: 17 Apr 2020 11:39

Tgt Ion:	172	Resp:	1449283
Ion Ratio	Lower	Upper	
172	100		
171	36.4	28.9	43.3
170	24.0	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





#50

Dimethylphthalate

Concen: 3.278 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BF120051.D

Acq: 17 Apr 2020 11:39

Instrument :

BNA_F

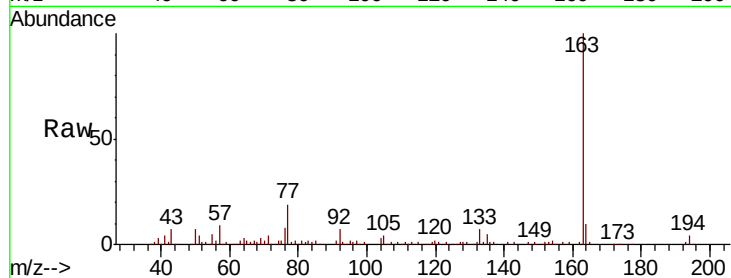
ClientSampleId :

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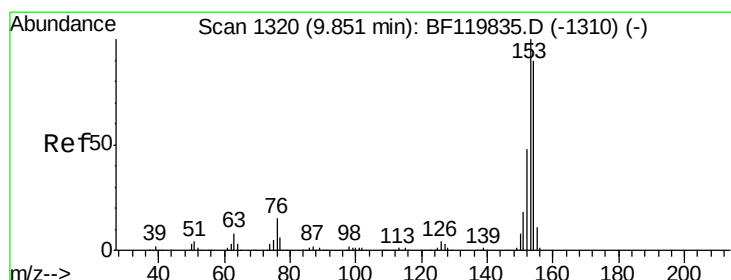
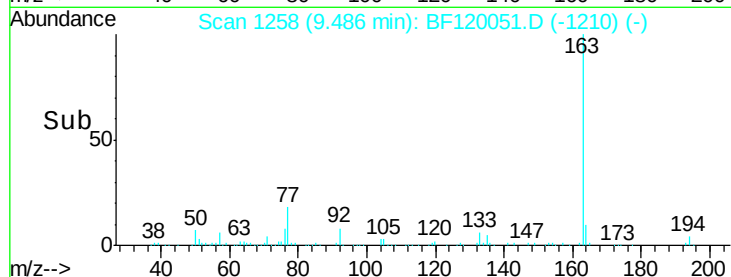
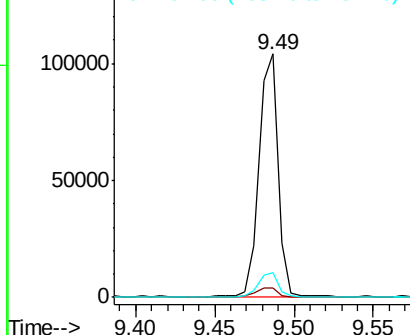
Tot Ion:	163	Resp:	89082
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.4
164	10.4	8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 2.595 ng

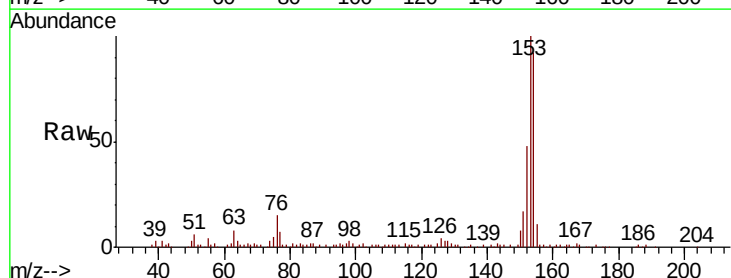
RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

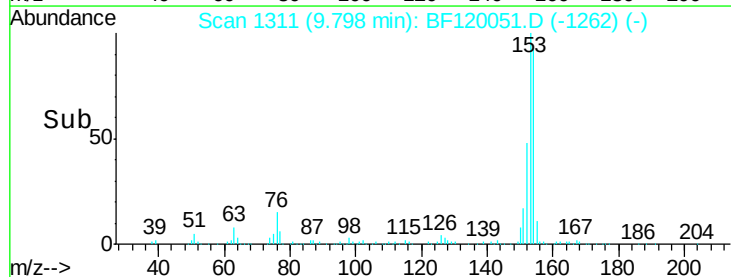
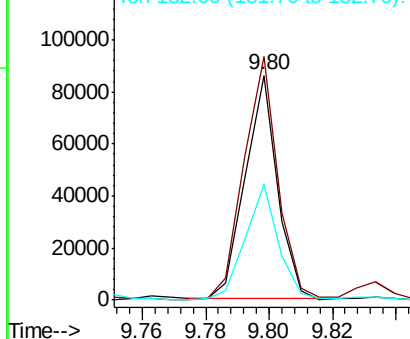
Lab File: BF120051.D

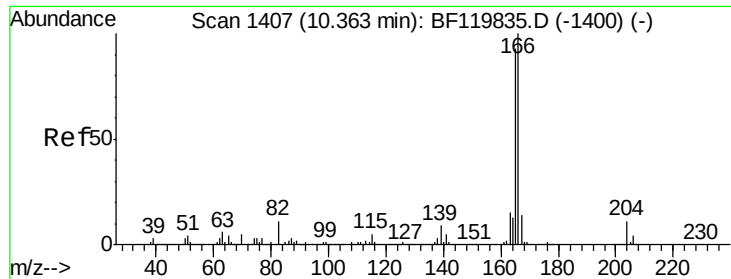
Acq: 17 Apr 2020 11:39

Tgt Ion:	154	Resp:	60132
Ion Ratio	Lower	Upper	
154	100		
153	108.3	88.8	133.2
152	51.5	42.4	63.6



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





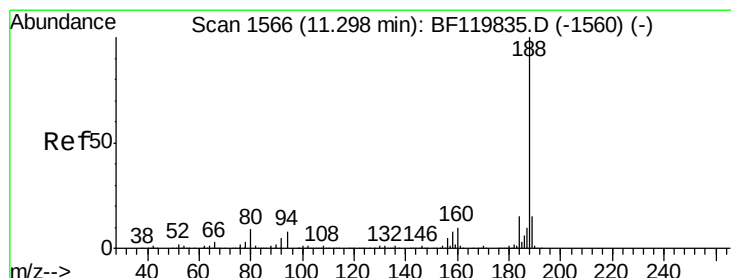
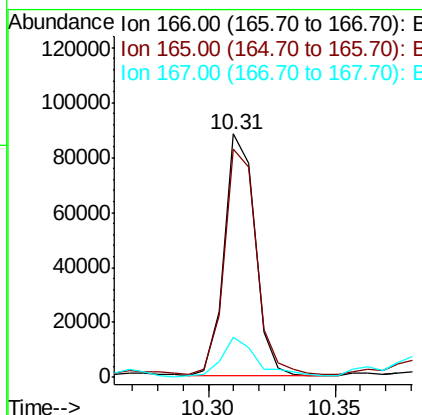
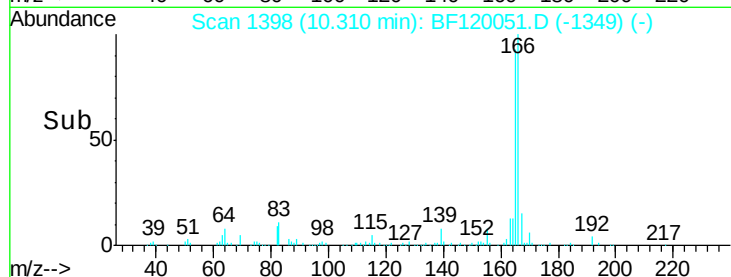
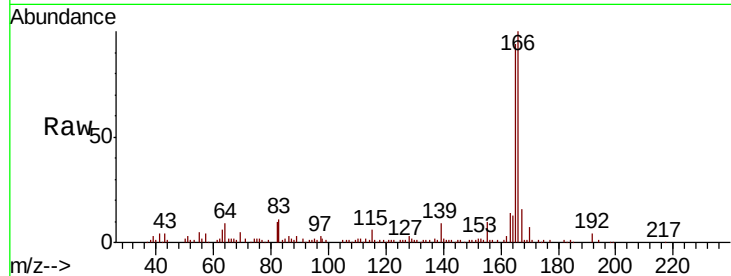
#58
 Fluorene
 Concen: 2.937 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF120051.D
 Acq: 17 Apr 2020 11:39

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.8	74.2	111.2
167	16.3	10.8	16.2

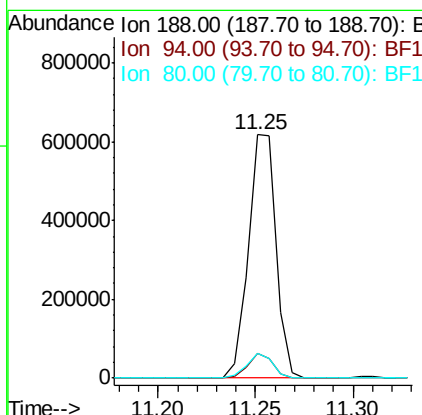
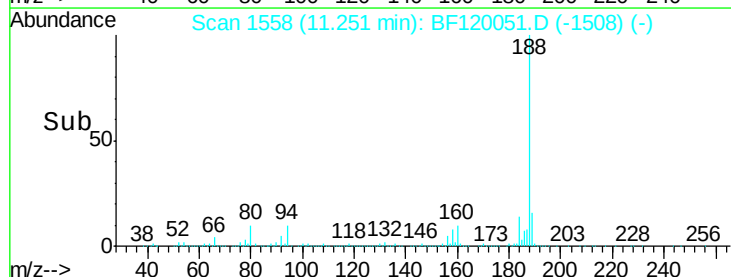
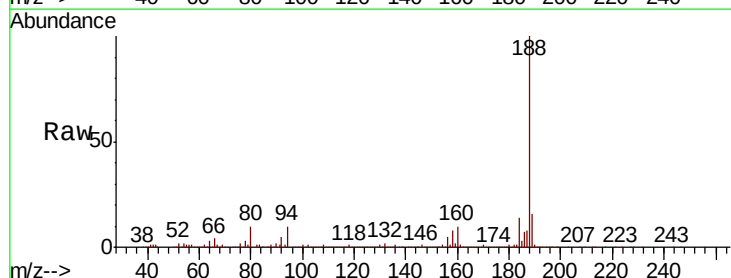
Manual Integrations
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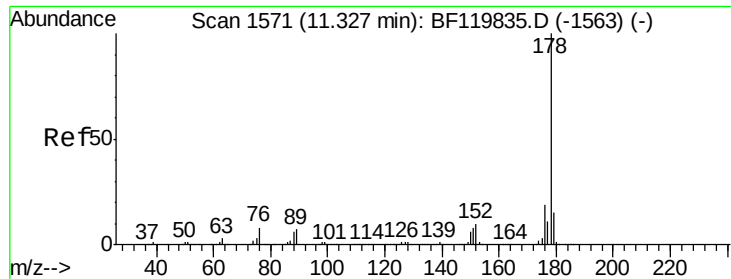
mohammad
 4/21/2020 8:22:20 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF120051.D
 Acq: 17 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	6.7	10.1
80	10.4	7.4	11.2





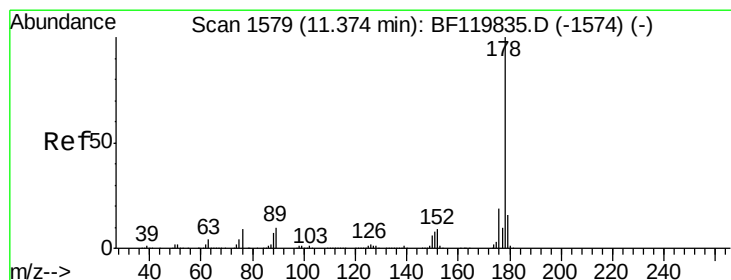
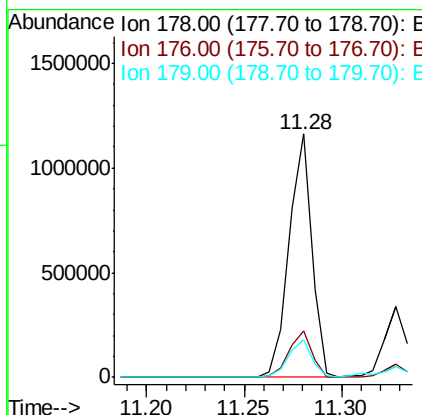
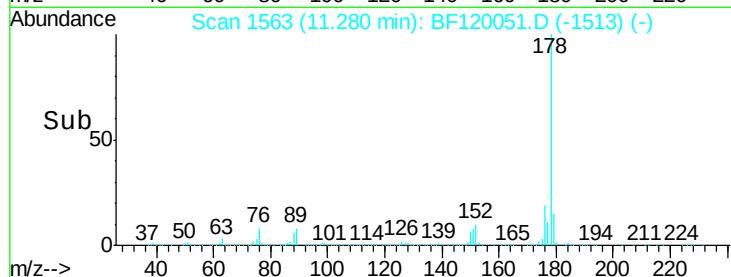
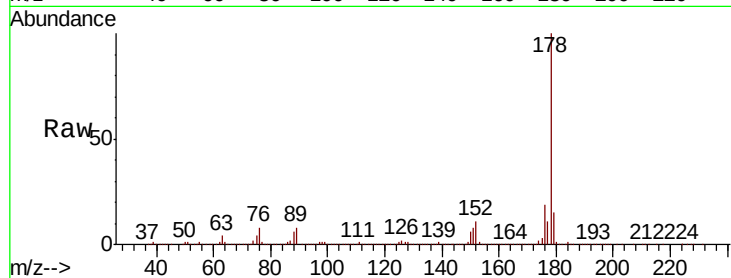
#71
Phenanthrene
Concen: 29.342 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Instrument :
BNA_F
ClientSampleId :
TP-22

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.4	12.2	18.4

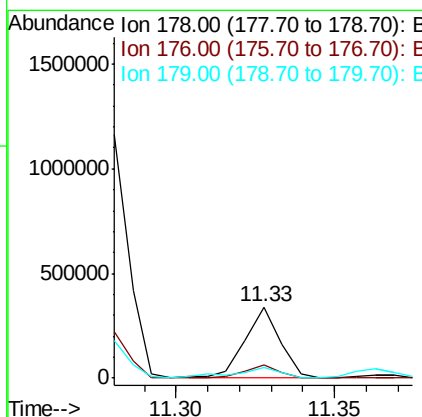
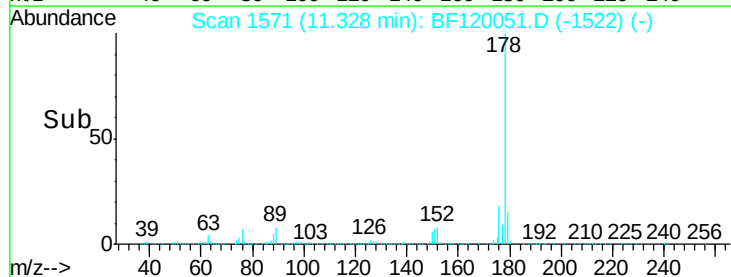
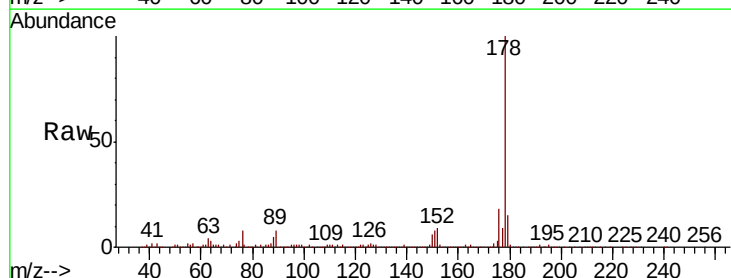
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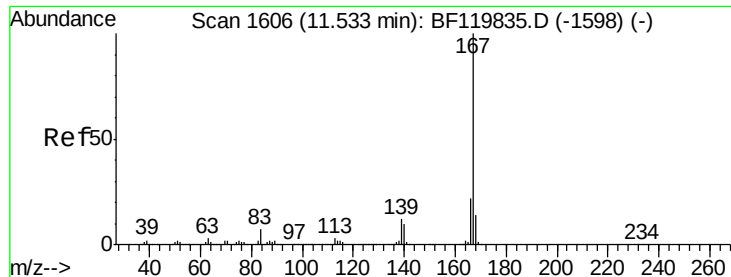
mohammad
4/21/2020 8:22:20 AM



#72
Anthracene
Concen: 7.665 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.2	12.8	19.2





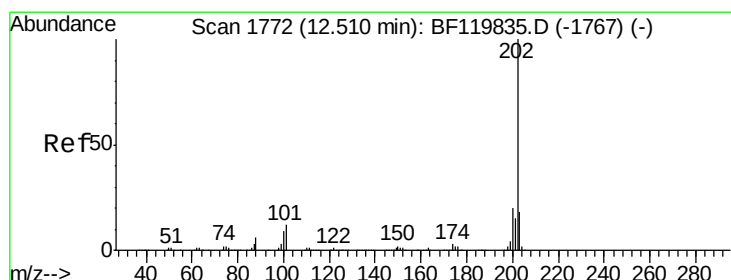
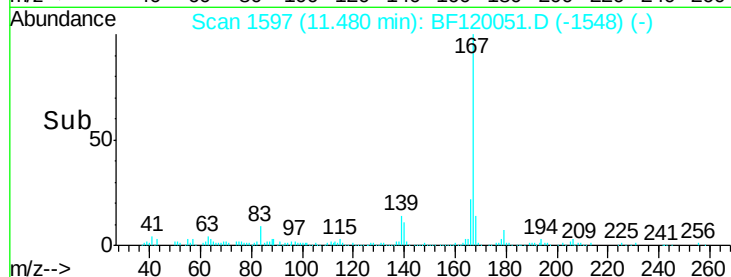
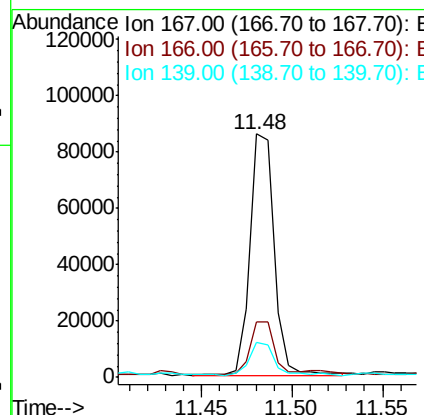
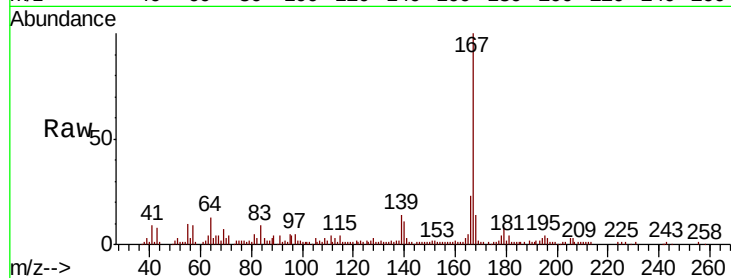
#73
 Carbazole
 Concen: 2.580 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF120051.D
 Acq: 17 Apr 2020 11:39

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.4	26.0
139	14.3	9.8	14.8

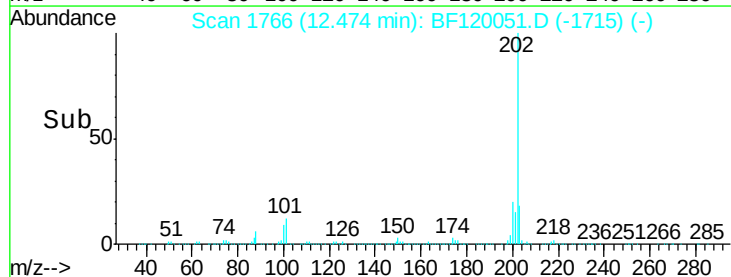
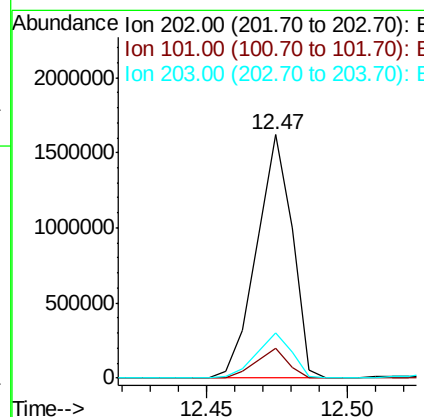
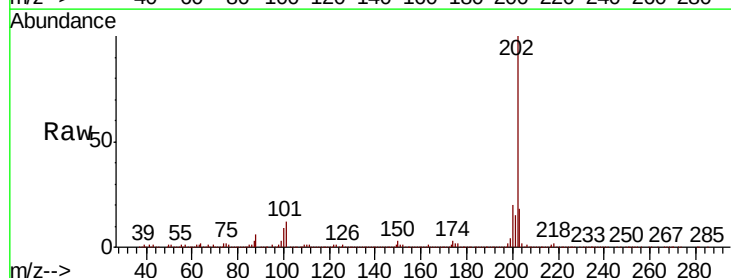
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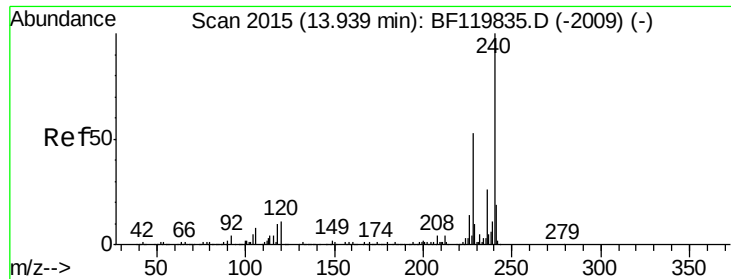
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#75
 Fluoranthene
 Concen: 40.592 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: BF120051.D
 Acq: 17 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.3
203	18.5	0.0	37.6





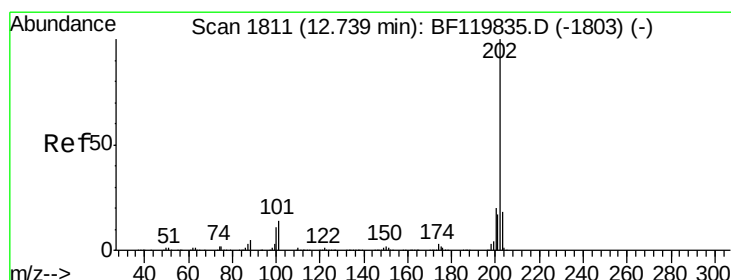
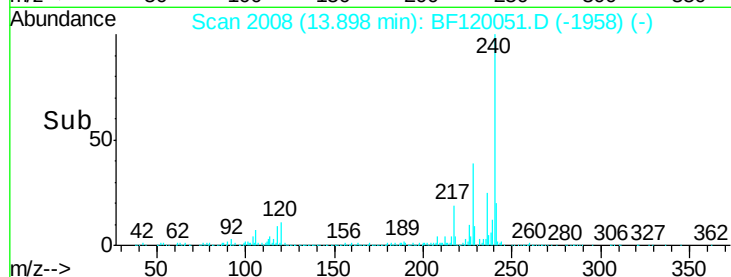
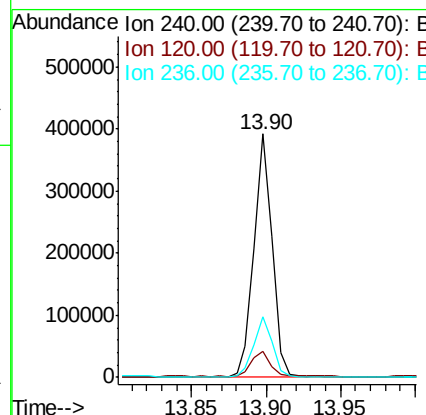
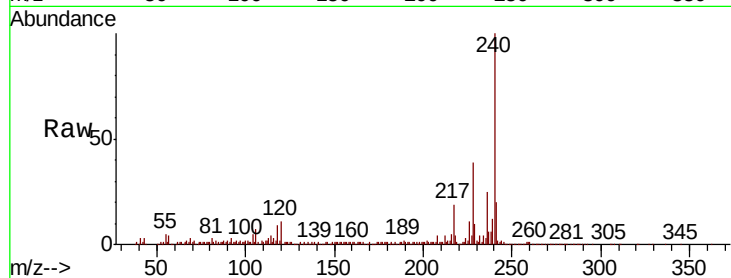
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Instrument :
BNA_F
ClientSampled :
TP-22

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.6
236	25.0	20.7	31.1

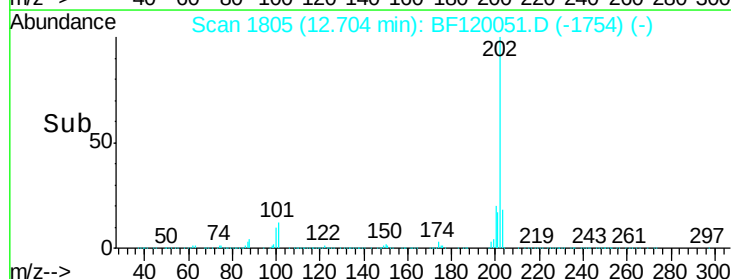
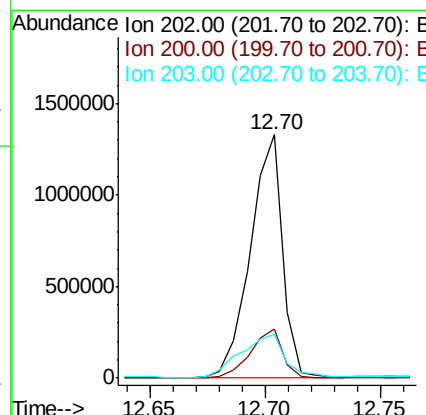
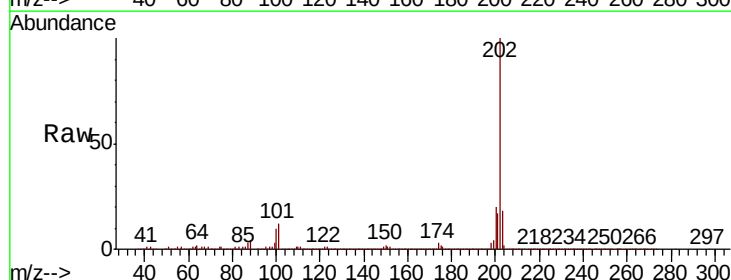
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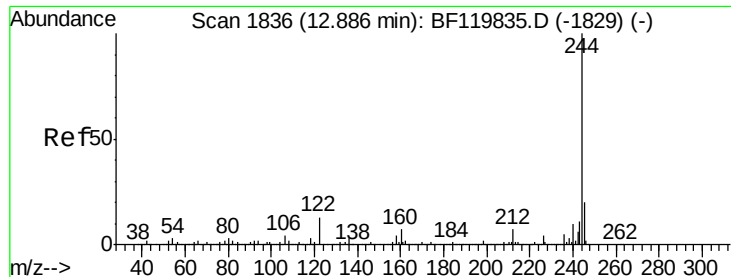
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#78
Pyrene
Concen: 46.665 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.2
203	18.1	14.1	21.1





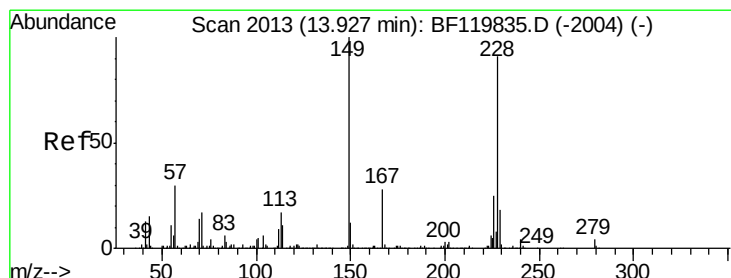
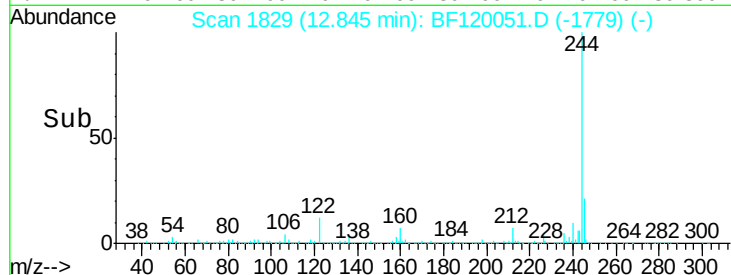
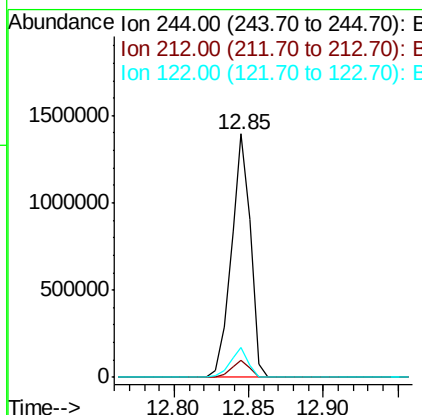
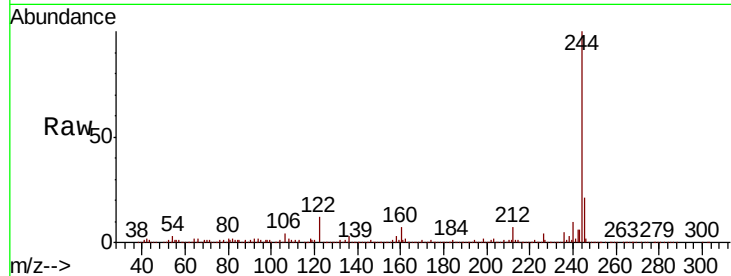
#79
 Terphenyl-d14
 Concen: 64.165 ng
 RT: 12.85 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF120051.D
 Acq: 17 Apr 2020 11:39

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Tot Ion:244 Resp: 1253714
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 12.4 10.3 15.5

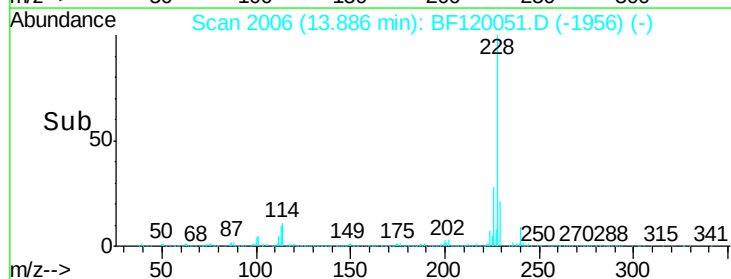
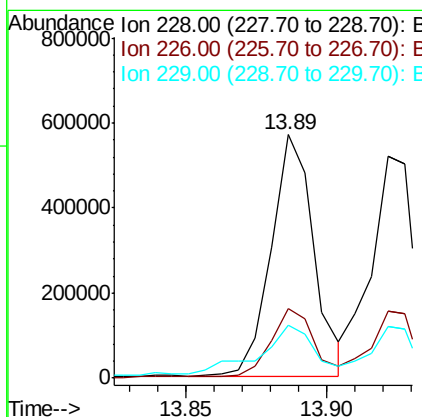
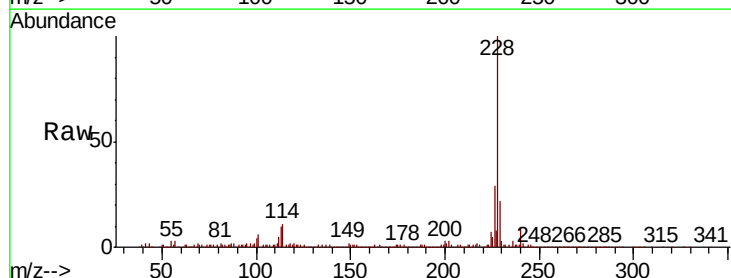
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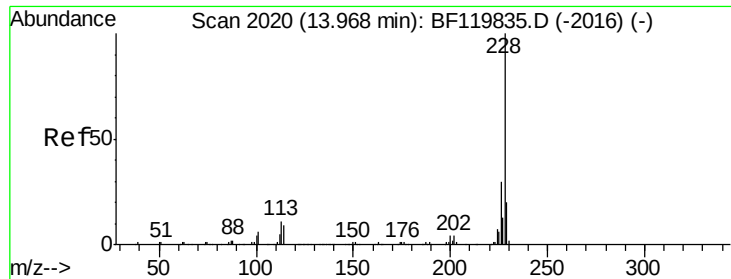
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#81
 Benzo(a)anthracene
 Concen: 27.653 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF120051.D
 Acq: 17 Apr 2020 11:39

Tgt Ion:228 Resp: 598094
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.9 32.9
 229 21.9 15.9 23.9





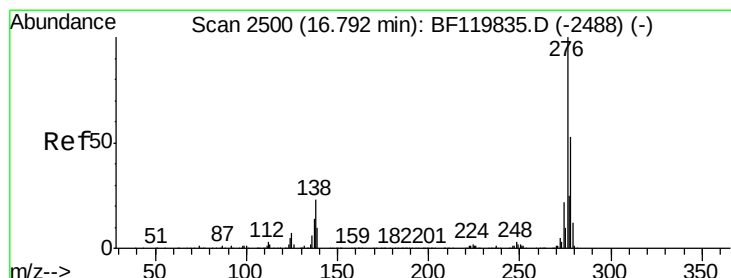
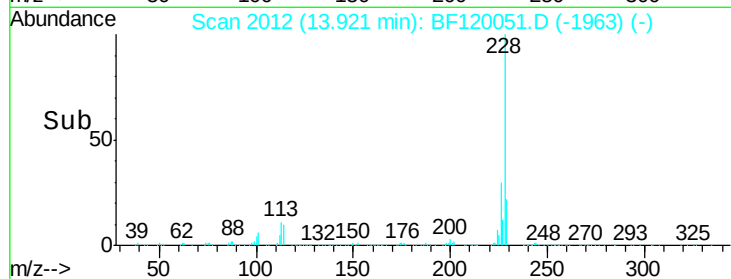
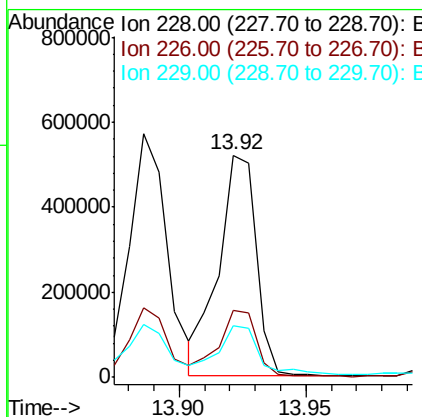
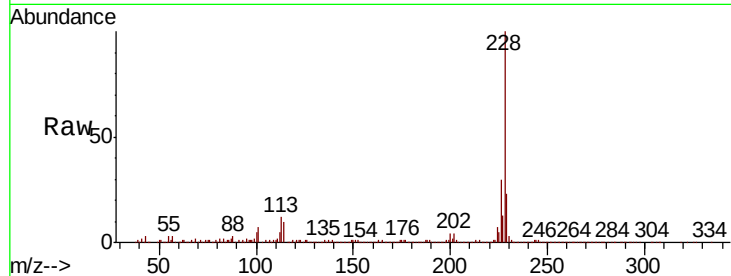
#83
Chrysene
Concen: 24.590 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Instrument :
BNA_F
ClientSampleId :
TP-22

Tot Ion:	228	Resp:	540400
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.2	36.2
229	23.0	15.9	23.9

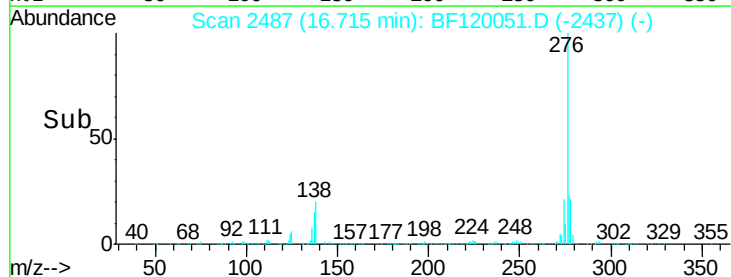
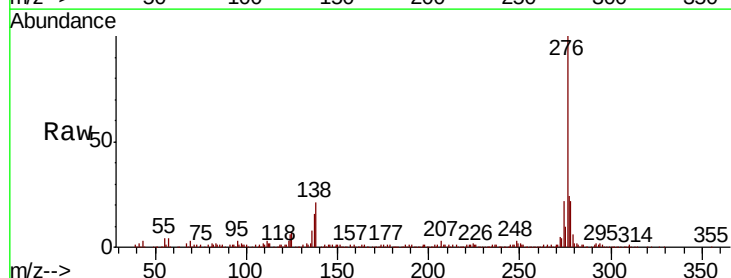
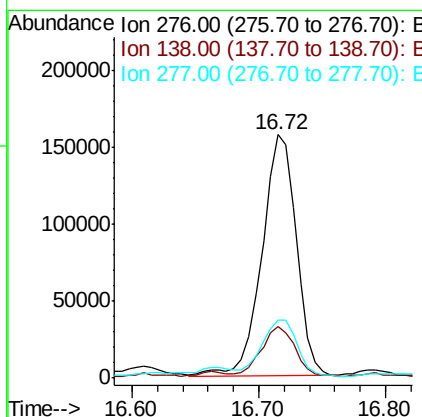
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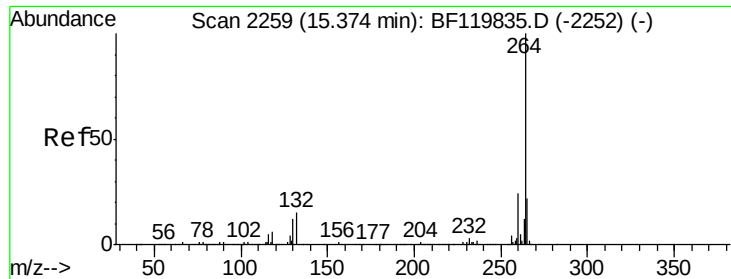
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 15.187 ng
RT: 16.72 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Tgt Ion:	276	Resp:	294205
Ion Ratio	Lower	Upper	
276	100		
138	20.1	18.0	27.0
277	24.5	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF120051.D

Acq: 17 Apr 2020 11:39

Instrument :

BNA_F

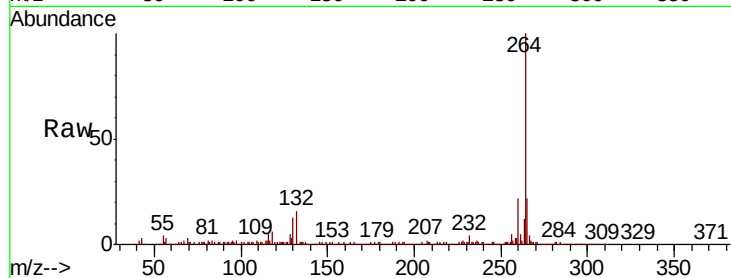
ClientSampleId :

TP-22

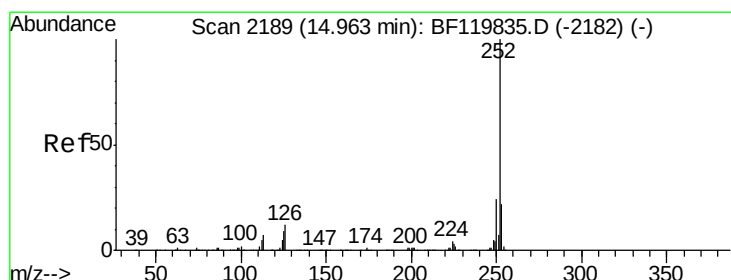
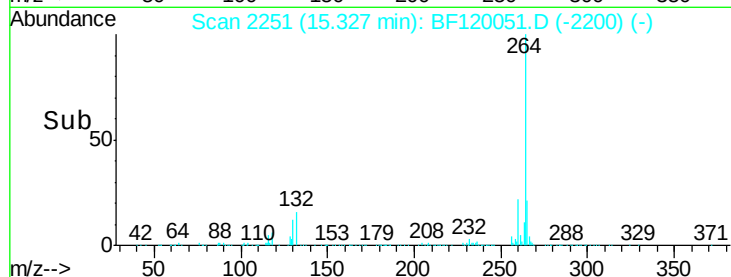
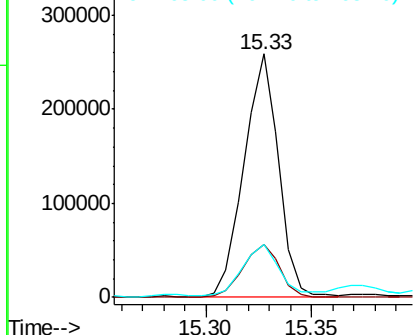
Tot Ion:264	Resp:	291846
Ion Ratio	Lower	Upper
264	100	
260	21.9	19.3 28.9
265	21.5	17.6 26.4

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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: 27.451 ng m

RT: 14.92 min Scan# 2182

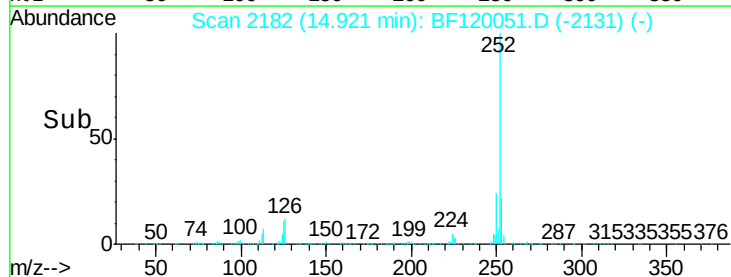
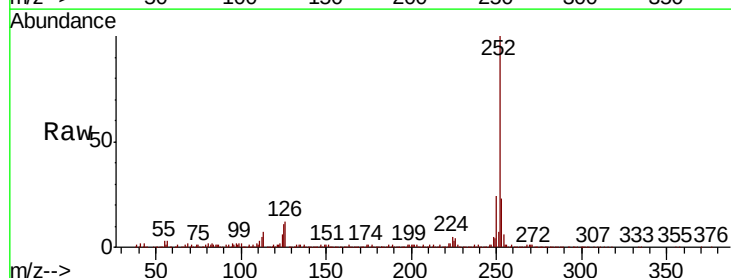
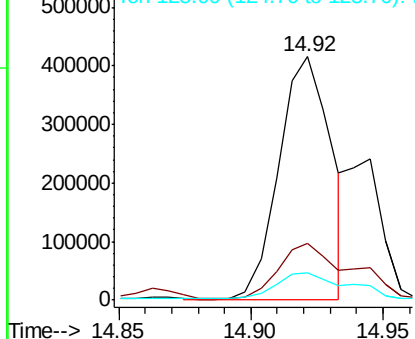
Delta R.T. 0.00 min

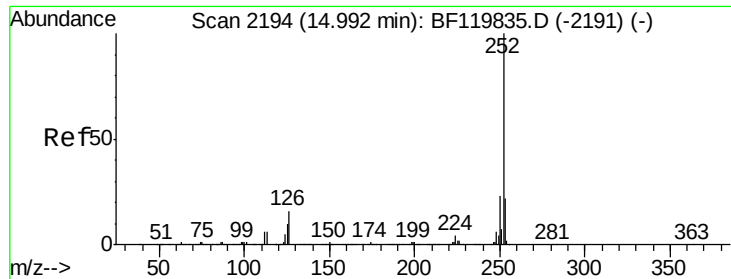
Lab File: BF120051.D

Acq: 17 Apr 2020 11:39

Tgt Ion:252	Resp:	576326
Ion Ratio	Lower	Upper
252	100	
253	23.1	17.7 26.5
125	11.5	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: 11.572 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF120051.D

Acq: 17 Apr 2020 11:39

Instrument :

BNA_F

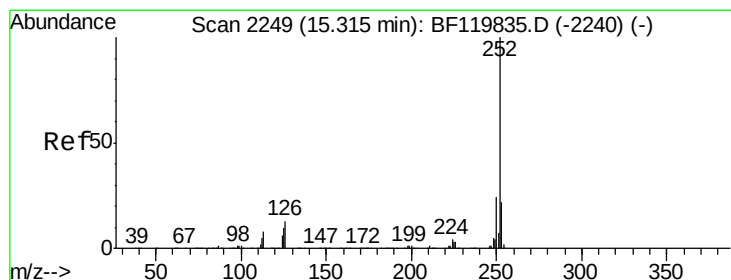
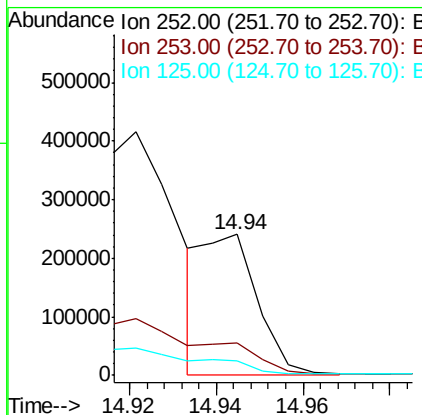
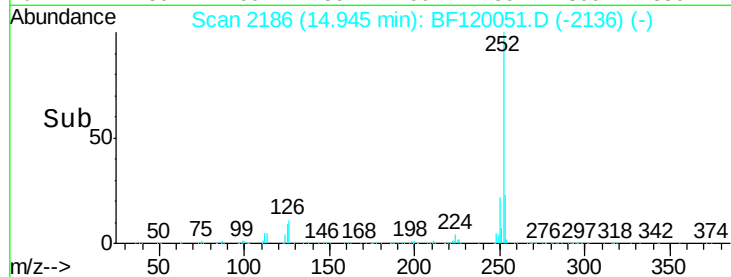
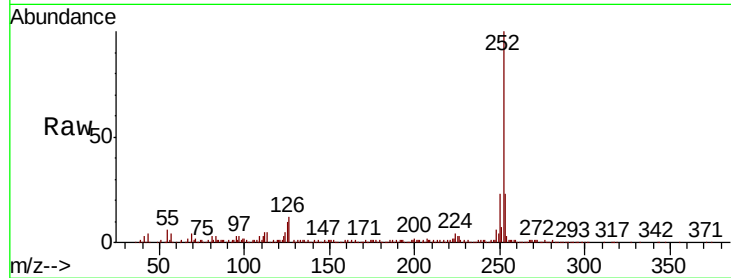
ClientSampled :

TP-22

Tot Ion:	252	Resp:	209627
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	9.9	7.7	11.5

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#90

Benzo(a)pyrene

Concen: 24.926 ng

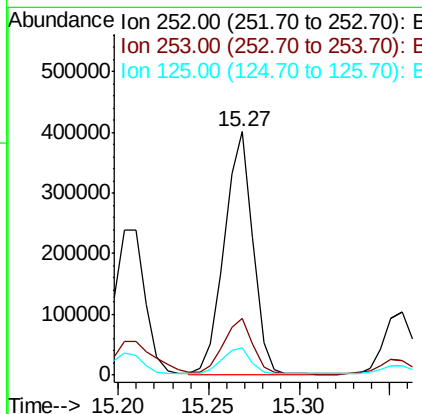
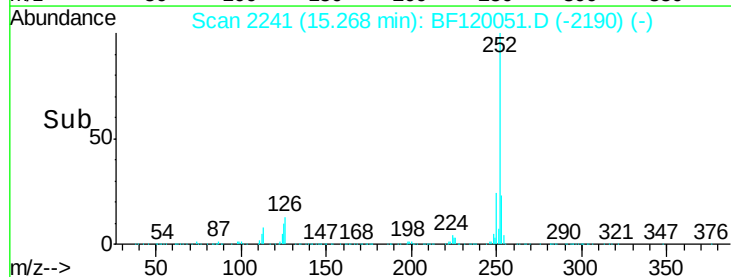
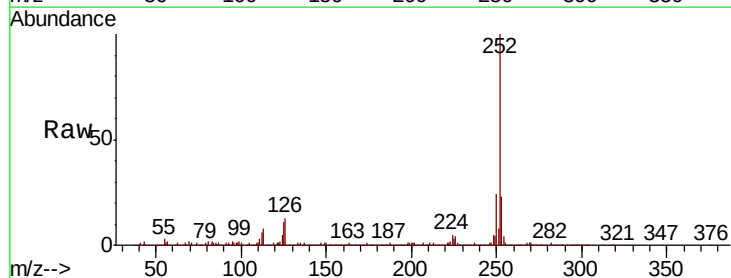
RT: 15.27 min Scan# 2241

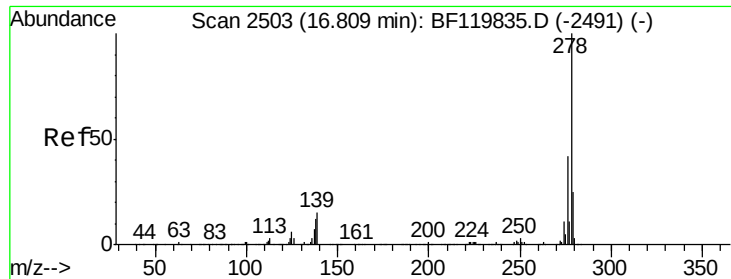
Delta R.T. 0.00 min

Lab File: BF120051.D

Acq: 17 Apr 2020 11:39

Tgt Ion:	252	Resp:	439995
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	11.0	8.3	12.5





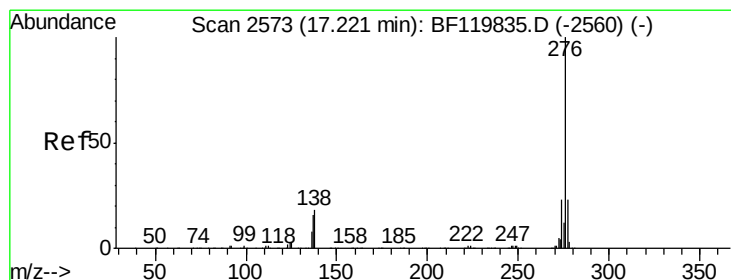
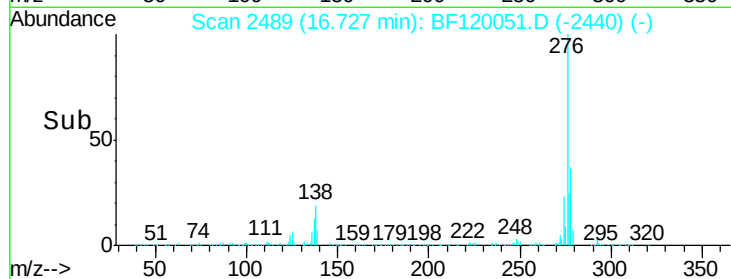
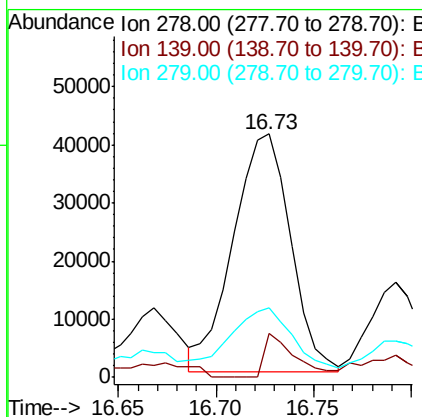
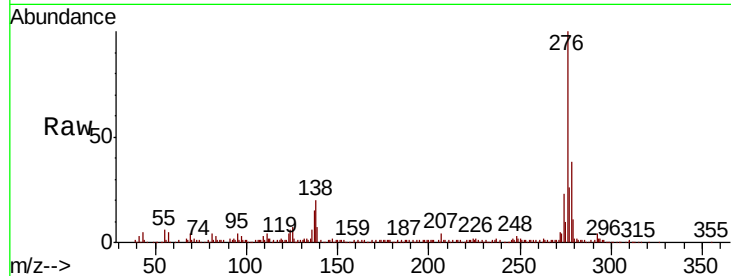
#91
Dibenzo(a,h)anthracene
Concen: 5.340 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Instrument :
BNA_F
ClientSampled :
TP-22

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.3	11.6	17.4#
279	28.5	19.7	29.5

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#92
Benzo(g,h,i)perylene
Concen: 17.688 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.01 min
Lab File: BF120051.D
Acq: 17 Apr 2020 11:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.5	27.7
138	19.2	14.6	22.0

