

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120036.D
 Acq On : 16 Apr 2020 15:14
 Operator : MA/SJ
 Sample : L2230-59 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-19

Manual Integrations
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Quant Time: Apr 17 03:27:15 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	127825	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	510693	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	231090	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	332676	20.00	ng	0.00
76) Chrysene-d12	13.89	240	240052	20.00	ng	0.00
87) Perylene-d12	15.32	264	232875	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	195501	26.43	ng	0.00
7) Phenol-d6	6.35	99	238823	25.06	ng	-0.01
23) Nitrobenzene-d5	7.29	82	162744	16.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	48294	17.07	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	320656	19.70	ng	0.00
79) Terphenyl-d14	12.84	244	214812	15.06	ng	-0.01

Target Compounds				Qvalue		
50) Dimethylphthalate	9.49	163	55969	3.131	ng	# 96
52) Acenaphthene	9.80	154	46459	3.048	ng	96
55) Dibenzofuran	9.97	168	48416	2.315	ng	# 96
58) Fluorene	10.31	166	66821	3.994	ng	97
71) Phenanthrene	11.28	178	835324	47.179	ng	99
72) Anthracene	11.33	178	206730	11.430	ng	98
73) Carbazole	11.48	167	58603	3.426	ng	98
75) Fluoranthene	12.47	202	994180	52.041	ng	99
78) Pyrene	12.70	202	933258	46.117	ng	99
81) Benzo(a)anthracene	13.89	228	486004	30.775	ng	99
83) Chrysene	13.92	228	446966	27.855	ng	98
86) Indeno(1,2,3-cd)pyrene	16.70	276	181354	12.821	ng	96
88) Benzo(b)fluoranthene	14.92	252	541049m	32.297	ng	
89) Benzo(k)fluoranthene	14.94	252	123261m	8.528	ng	
90) Benzo(a)pyrene	15.26	252	352670	25.038	ng	99
91) Dibenzo(a,h)anthracene	16.71	278	47460m	3.804	ng	
92) Benzo(g,h,i)perylene	17.12	276	160013	12.992	ng	97

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

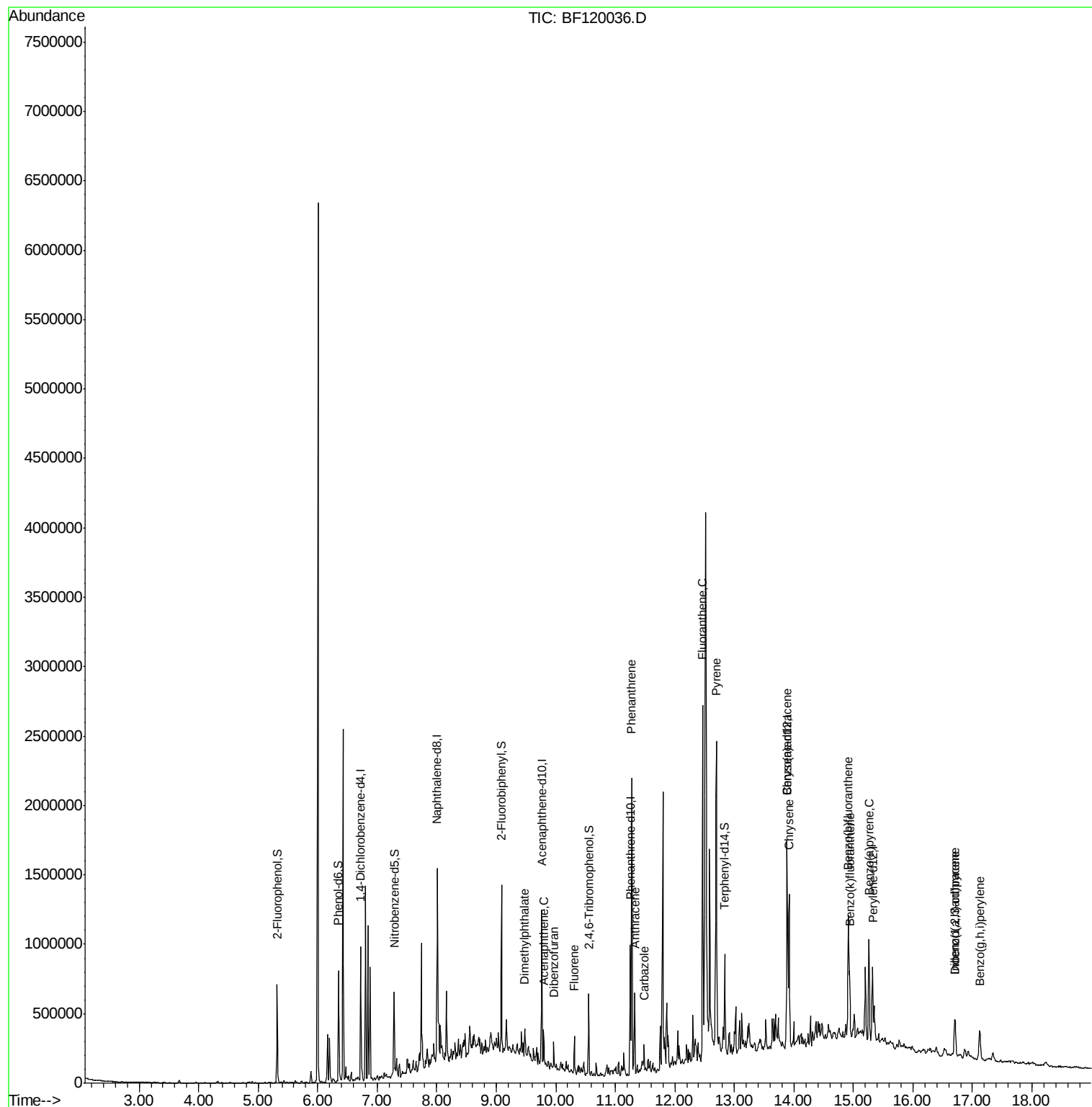
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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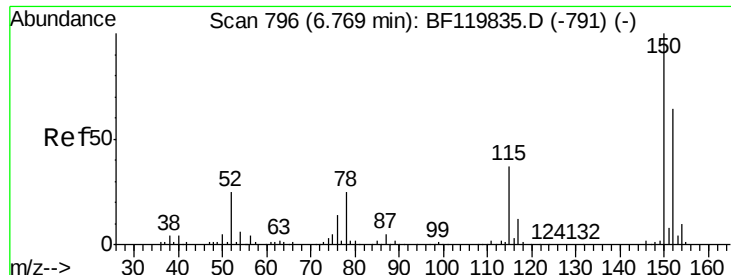
Instrument :
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TP-11-19

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

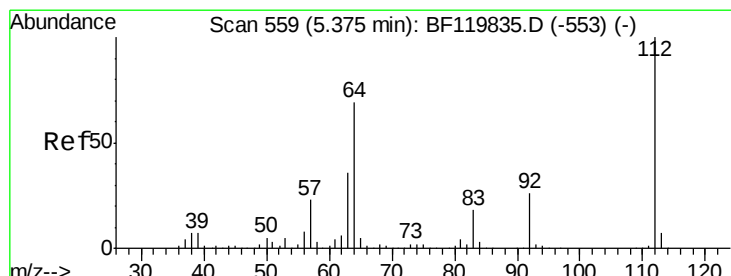
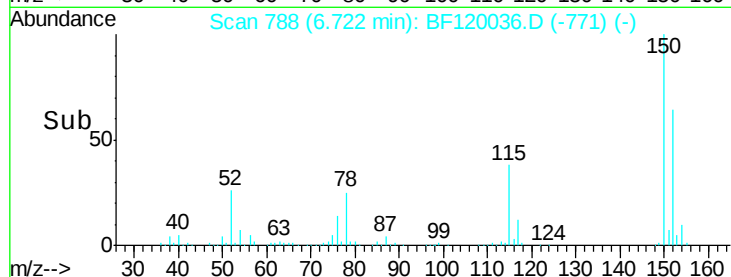
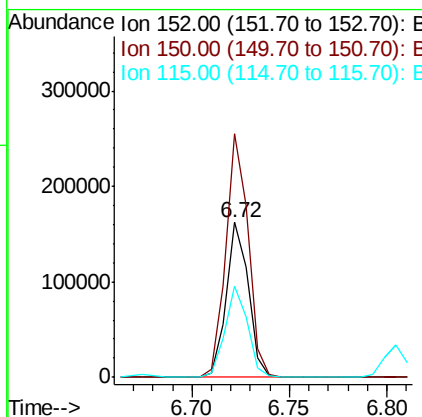
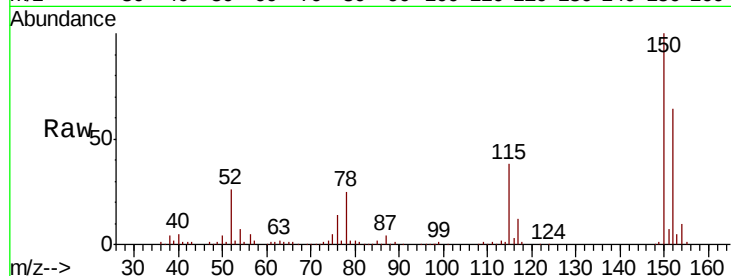
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Instrument :
BNA_F
ClientSampleId :
TP-11-19

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.8	187.2
115	59.0	46.5	69.7

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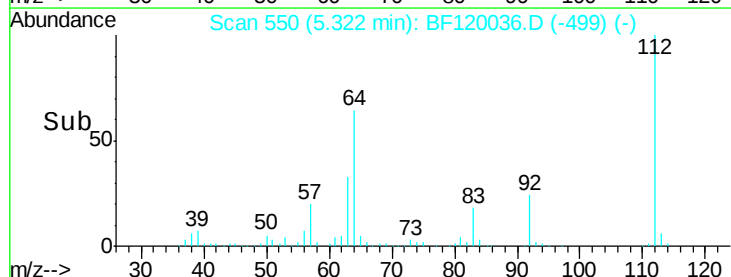
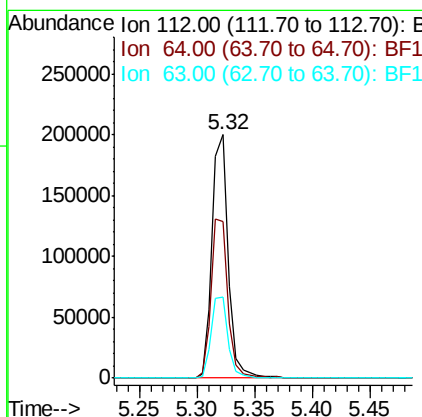
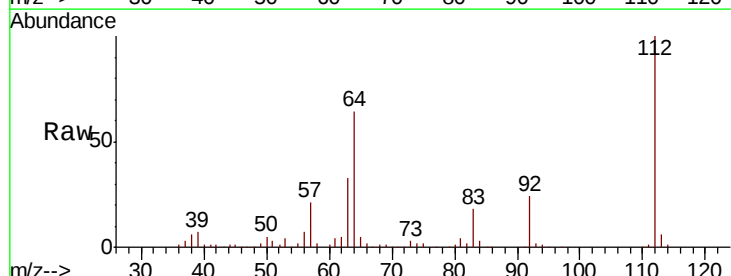
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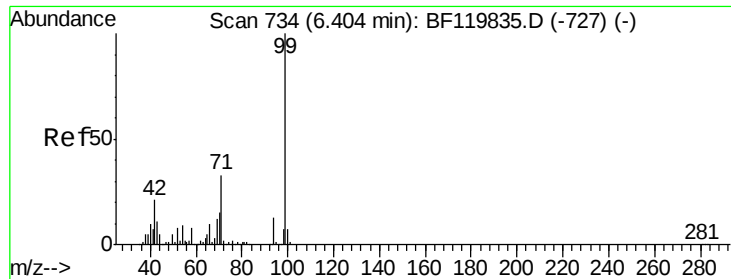


#5

2-Fluorophenol
Concen: 26.432 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	55.5	83.3
63	33.3	29.1	43.7





#7

Phenol-d6

Concen: 25.058 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Instrument :

BNA_F

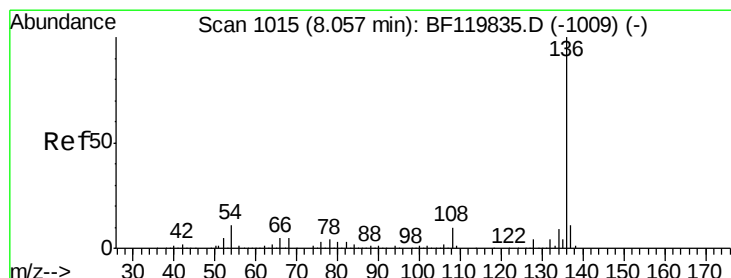
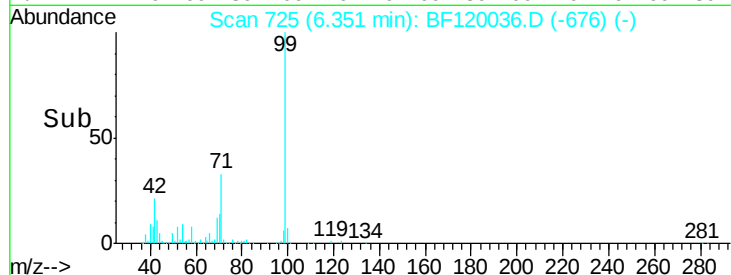
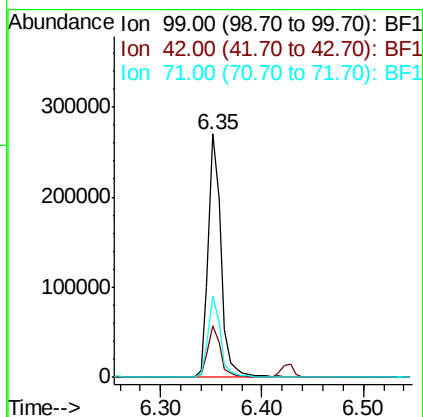
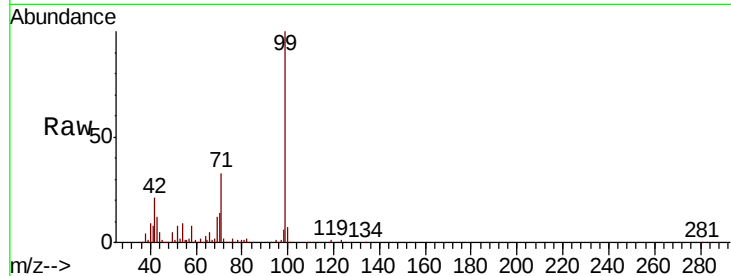
ClientSampleId :

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Tot Ion:	99	Resp:	238823
Ion Ratio	Lower	Upper	
99	100		
42	21.3	16.9	25.3
71	33.1	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

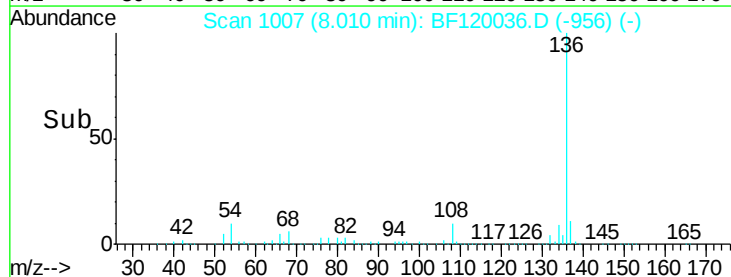
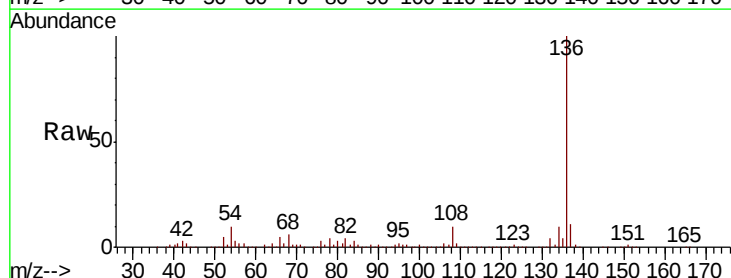
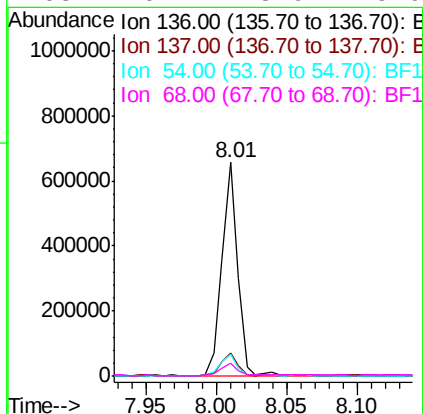
RT: 8.01 min Scan# 1007

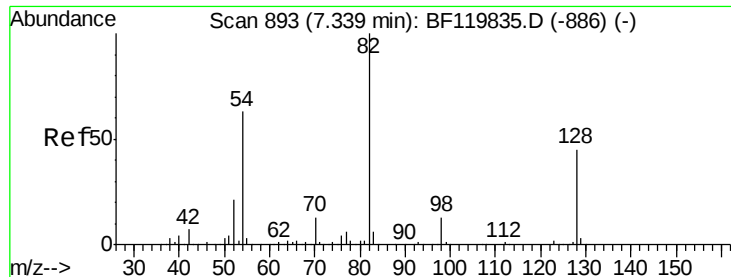
Delta R.T. 0.00 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Tgt Ion:	136	Resp:	510693
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	10.3	8.5	12.7
68	6.1	3.9	5.9#





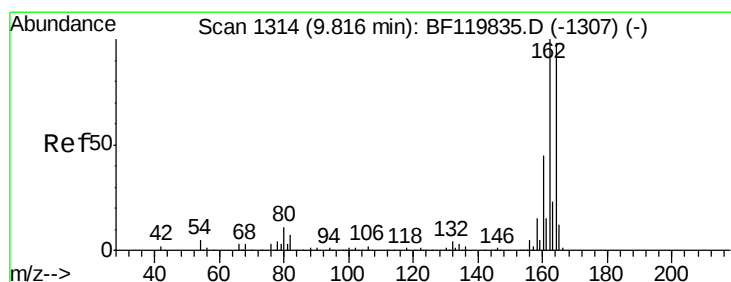
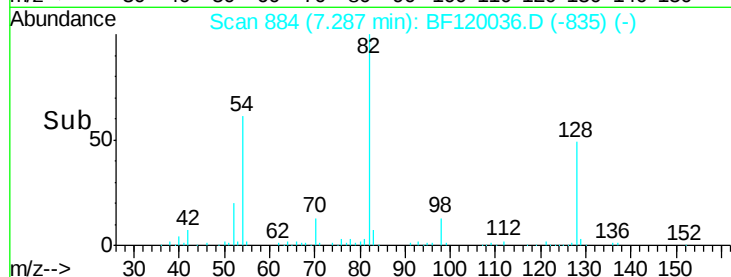
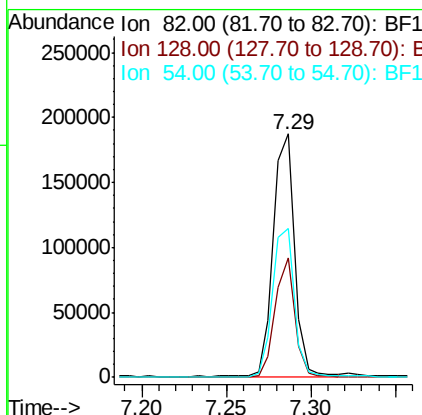
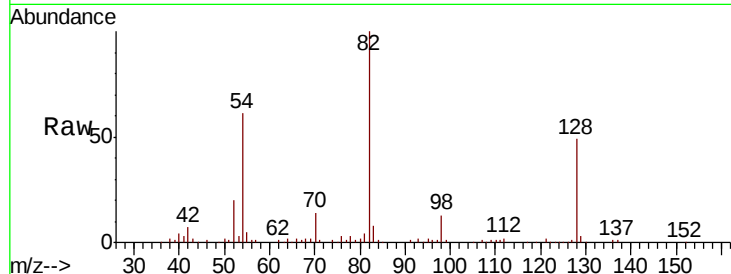
#23
Nitrobenzene-d5
Concen: 16.486 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Instrument :
BNA_F
ClientSampled :
TP-11-19

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.2	54.4
54	61.2	50.4	75.6

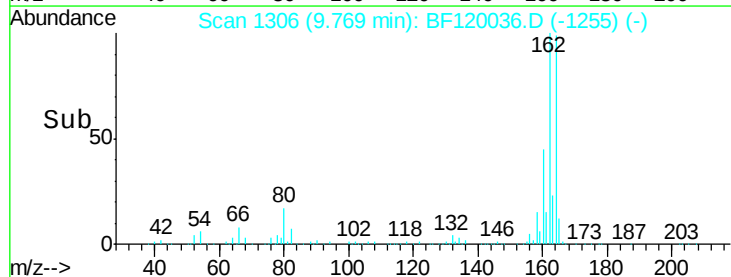
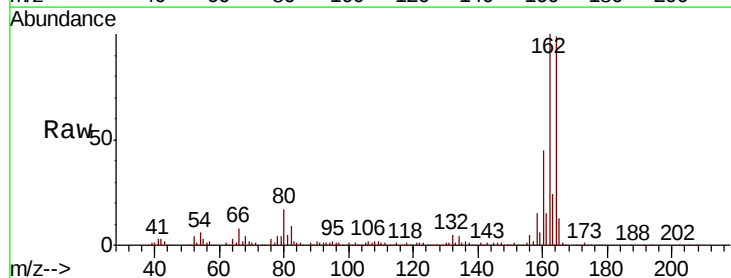
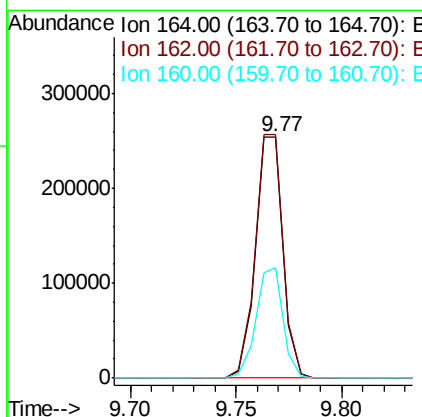
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.9	122.9
160	45.6	36.6	54.8





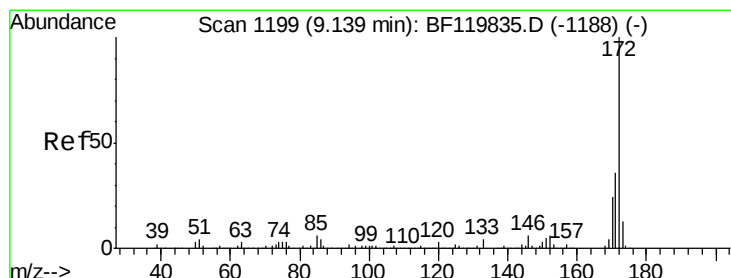
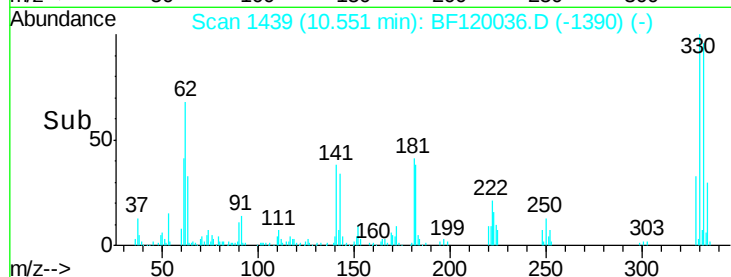
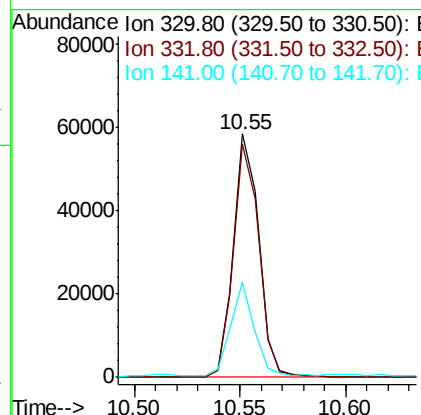
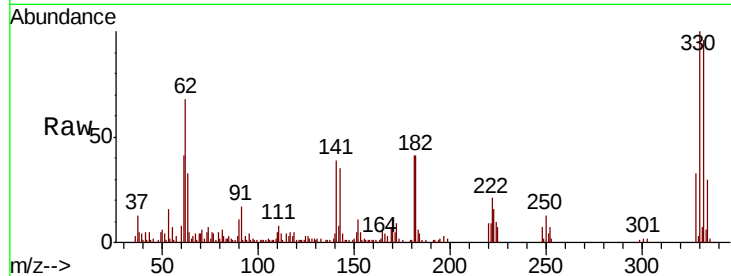
#42
 2,4,6-Tribromophenol
 Concen: 17.069 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120036.D
 Acq: 16 Apr 2020 15:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-19

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.8	115.2
141	35.9	25.1	37.7

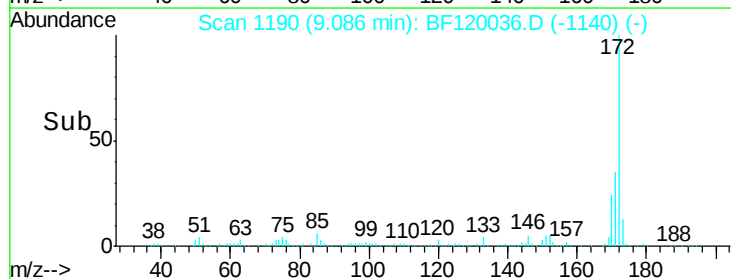
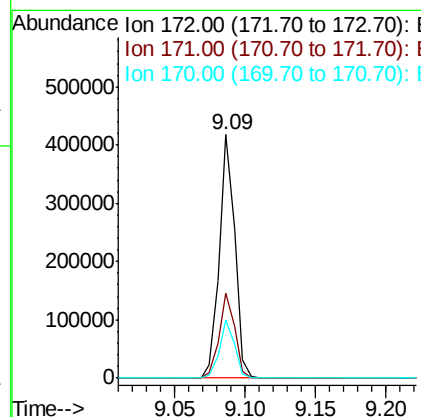
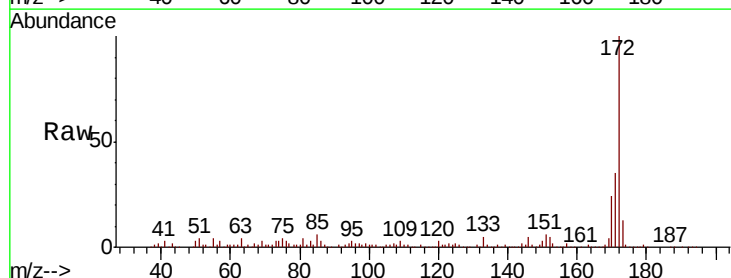
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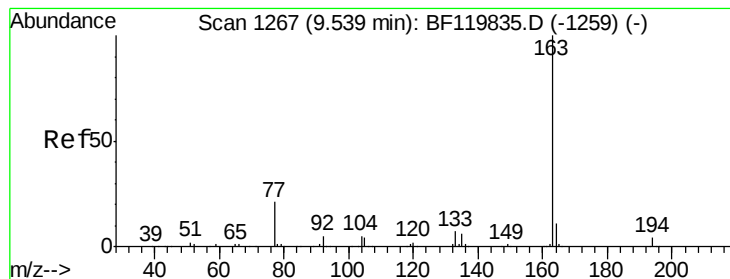
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#45
 2-Fluorobiphenyl
 Concen: 19.701 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120036.D
 Acq: 16 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.9	43.3
170	23.7	19.4	29.2





#50

Dimethylphthalate

Concen: 3.131 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Instrument :

BNA_F

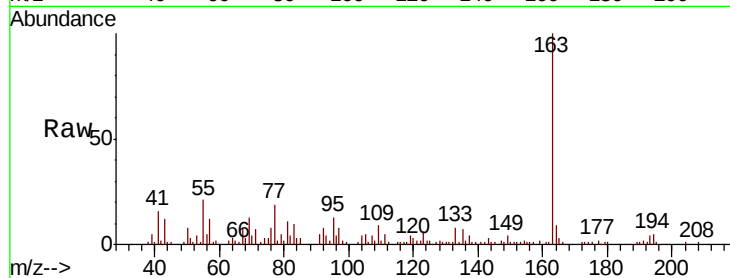
ClientSampleId :

TP-11-19

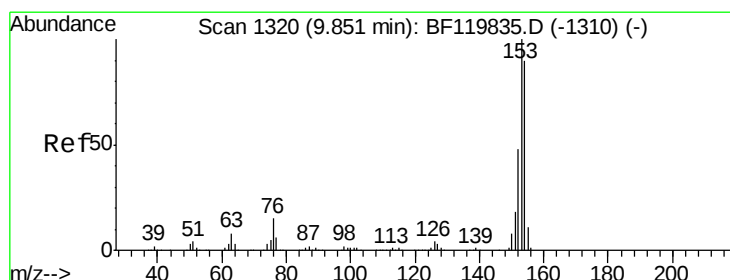
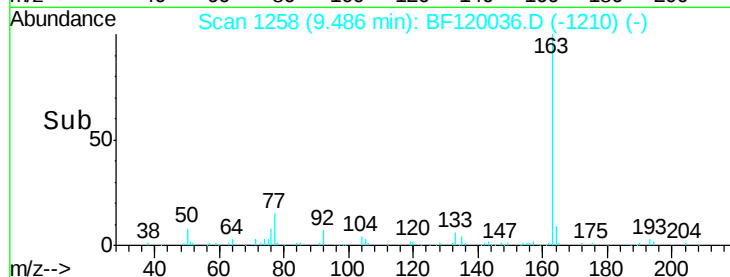
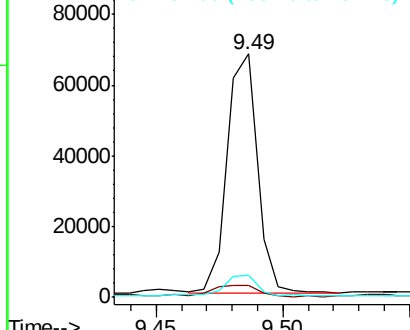
Tot Ion:	163	Resp:	55969
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.0	4.4#
164	9.1	8.4	12.6

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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: 3.048 ng

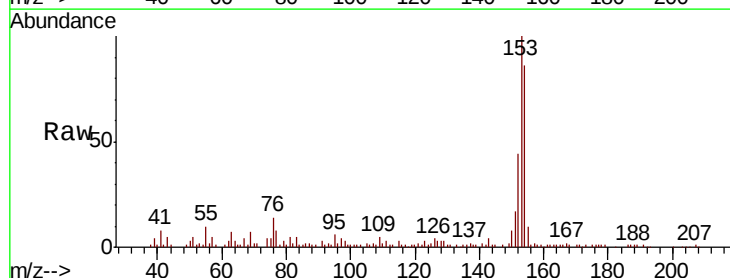
RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

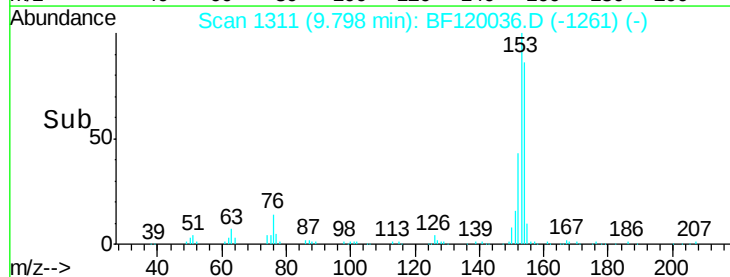
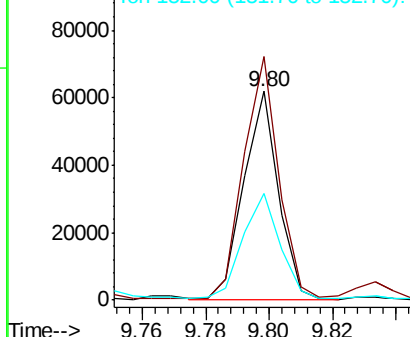
Lab File: BF120036.D

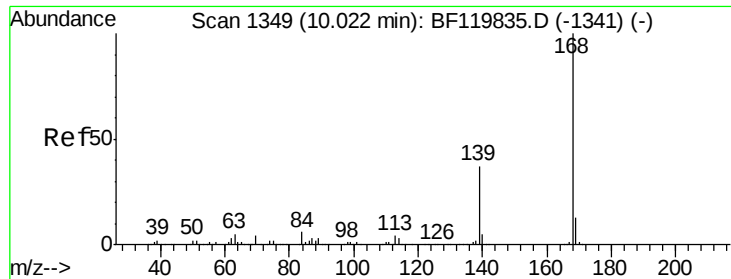
Acq: 16 Apr 2020 15:14

Tgt Ion:	154	Resp:	46459
Ion Ratio	Lower	Upper	
154	100		
153	116.7	88.8	133.2
152	51.3	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





#55

Dibenzofuran

Concen: 2.315 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Instrument :

BNA_F

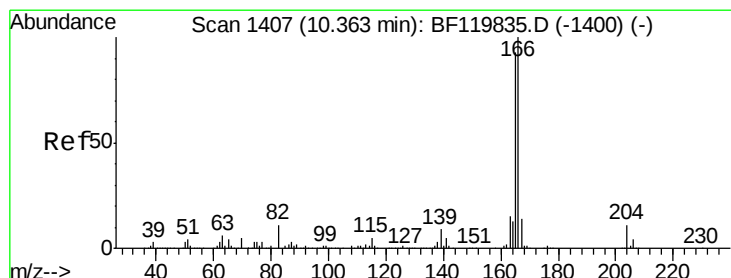
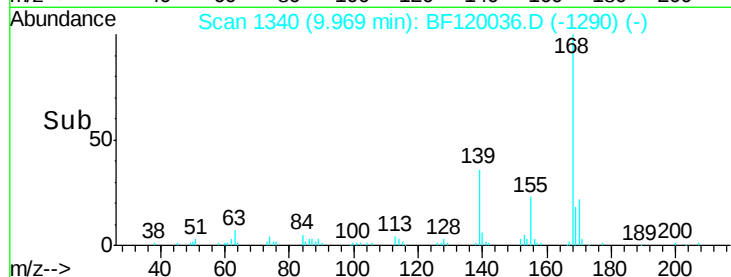
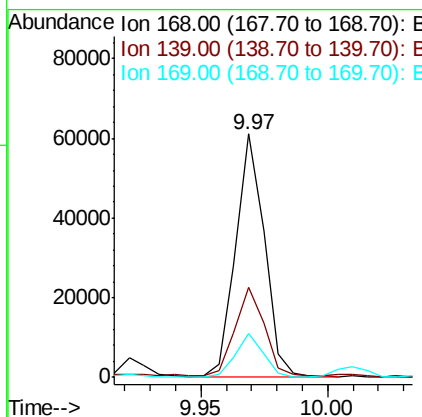
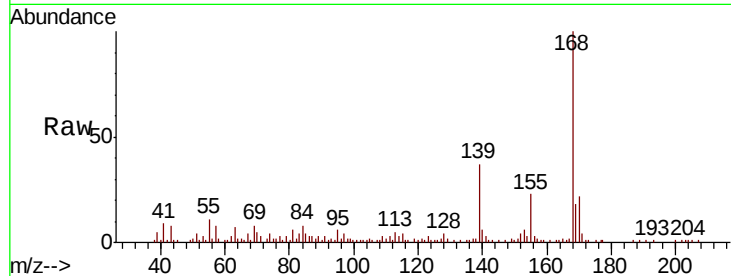
ClientSampleId :

TP-11-19

Tot Ion:	168	Resp:	48416
Ion Ratio	Lower	Upper	
168	100		
139	36.8	29.8	44.6
169	17.9	10.6	15.8

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#58

Fluorene

Concen: 3.994 ng

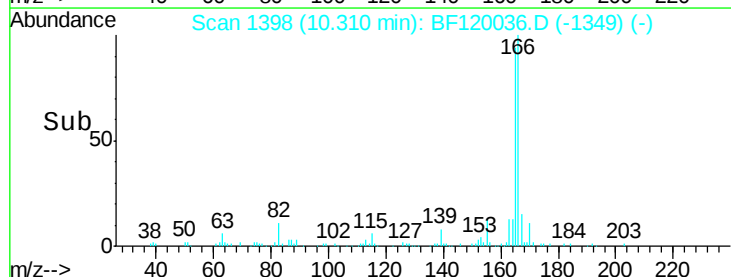
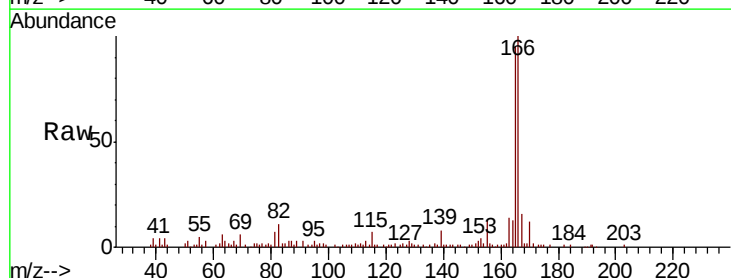
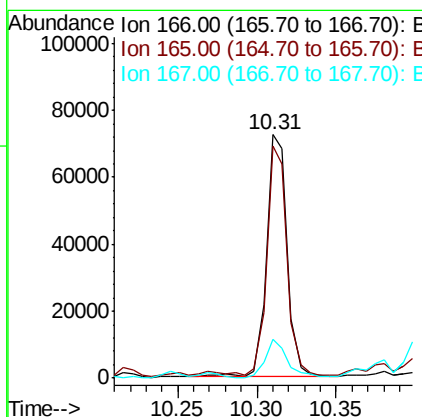
RT: 10.31 min Scan# 1398

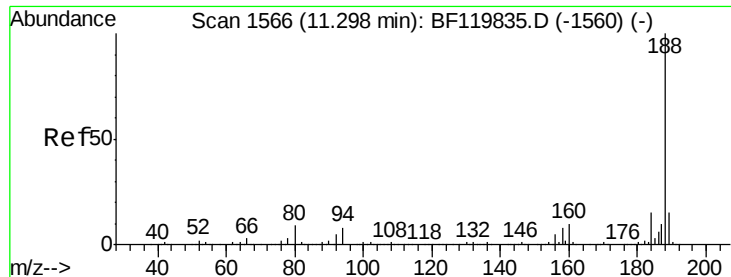
Delta R.T. -0.01 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Tgt Ion:	166	Resp:	66821
Ion Ratio	Lower	Upper	
166	100		
165	95.3	74.2	111.2
167	16.2	10.8	16.2





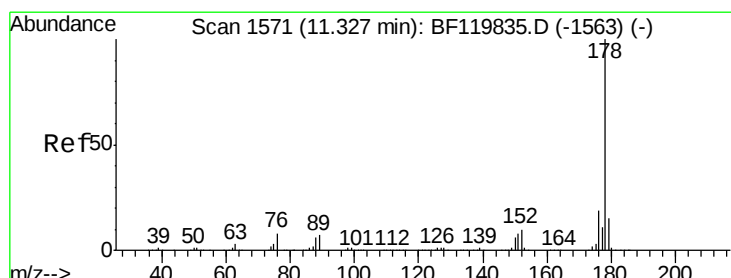
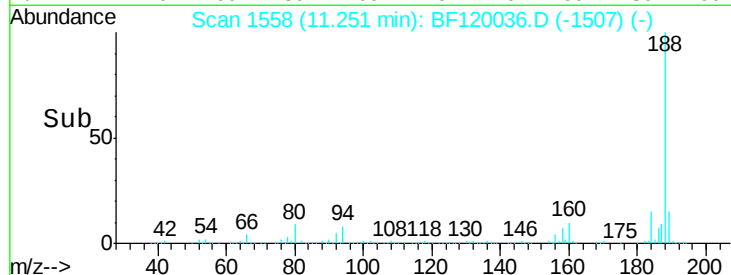
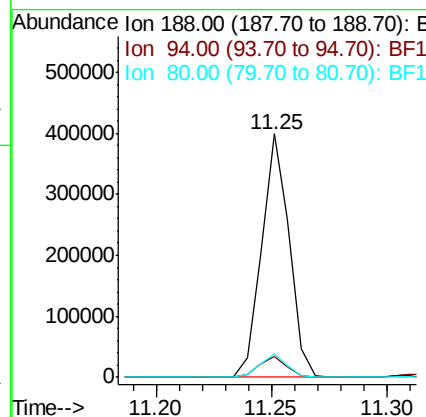
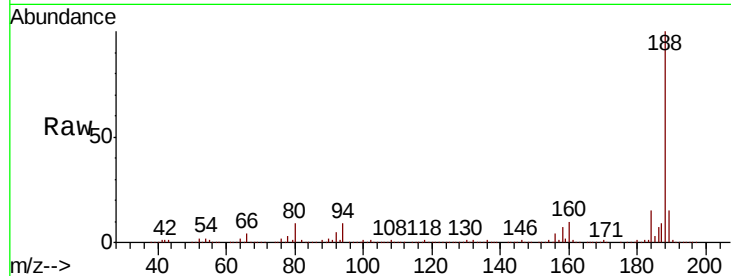
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Instrument :
BNA_F
ClientSampled :
TP-11-19

Tot Ion	Ratio	Resp	Lower	Upper
188	100	332676		
94	8.7		6.7	10.1
80	9.4		7.4	11.2

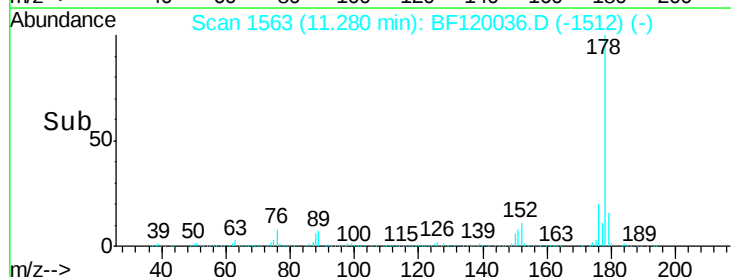
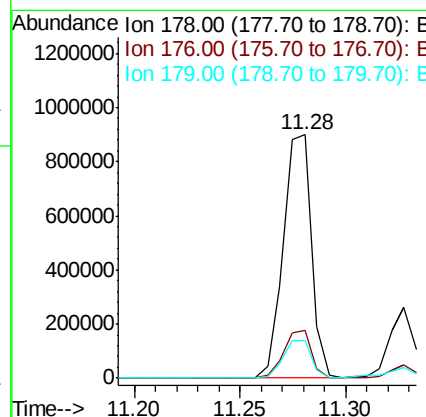
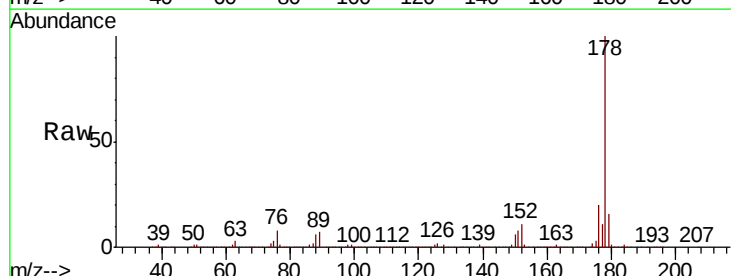
Manual Integrations
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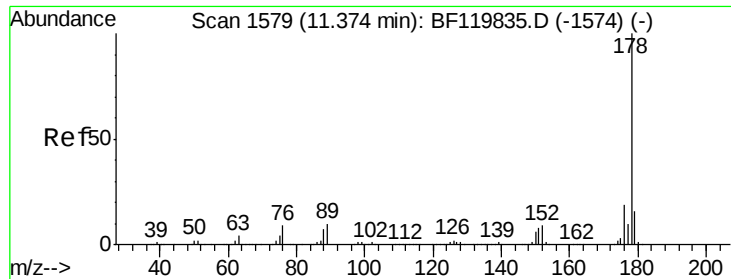
mohammad
4/17/2020 1:48:25 PM



#71
Phenanthrene
Concen: 47.179 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	835324		
176	19.8		15.1	22.7
179	15.6		12.2	18.4





#72

Anthracene

Concen: 11.430 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Instrument :

BNA_F

ClientSampleId :

TP-11-19

Tot Ion:178 Resp: 206730

Ion Ratio Lower Upper

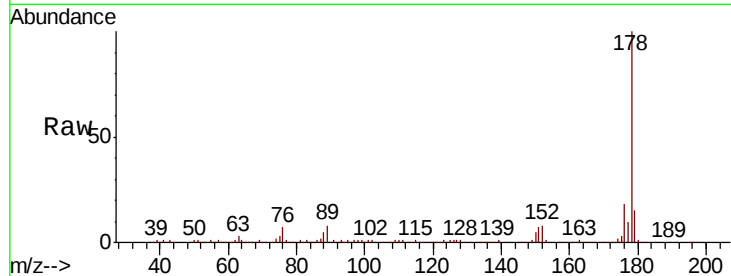
178 100

176 18.1 15.4 23.2

179 15.2 12.8 19.2

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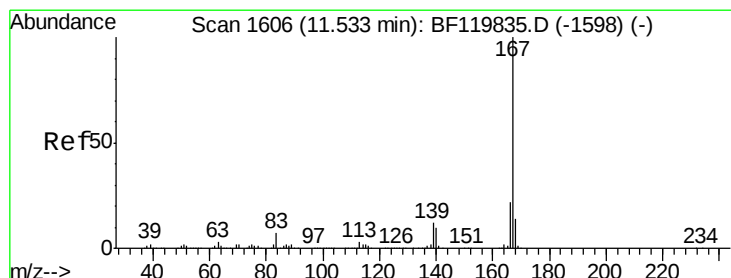
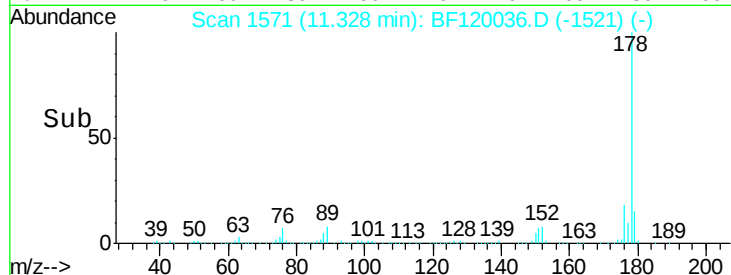
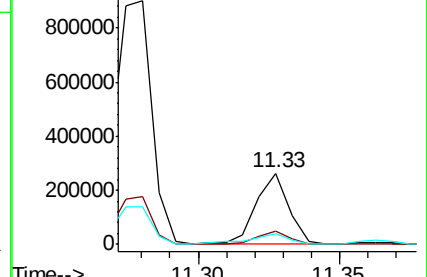
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 3.426 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Tgt Ion:167 Resp: 58603

Ion Ratio Lower Upper

167 100

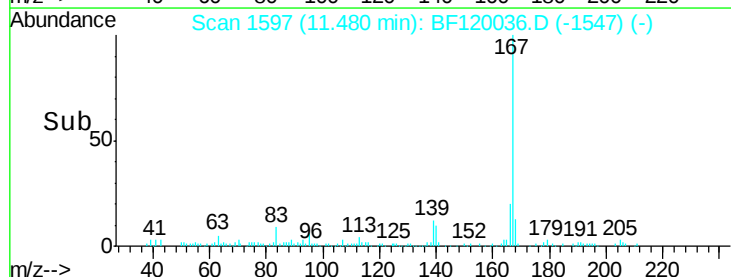
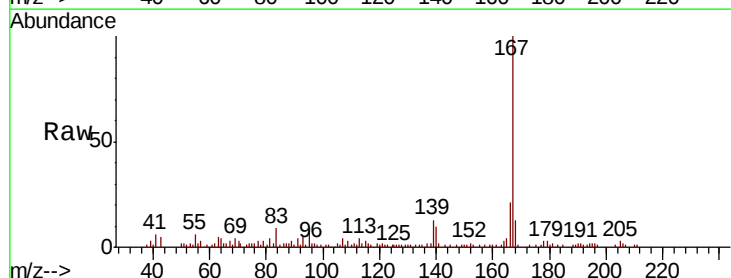
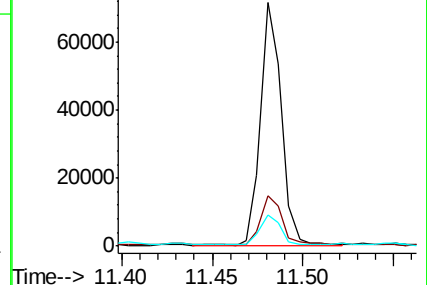
166 20.7 17.4 26.0

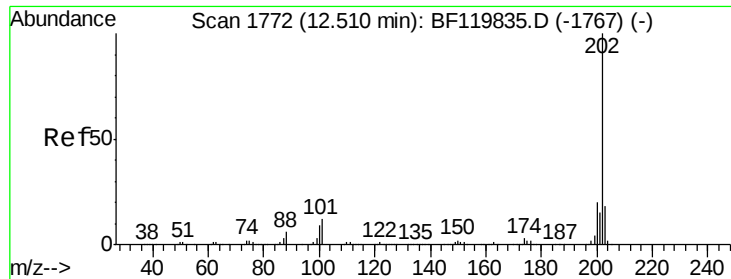
139 12.8 9.8 14.8

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 52.041 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Instrument :

BNA_F

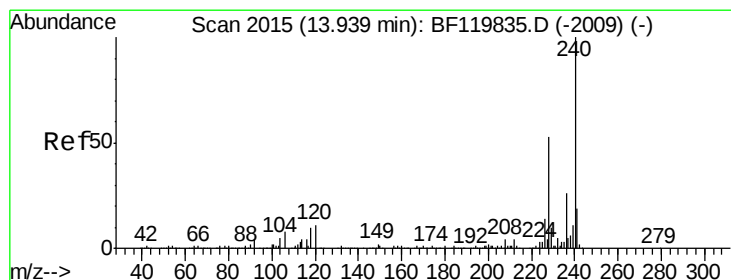
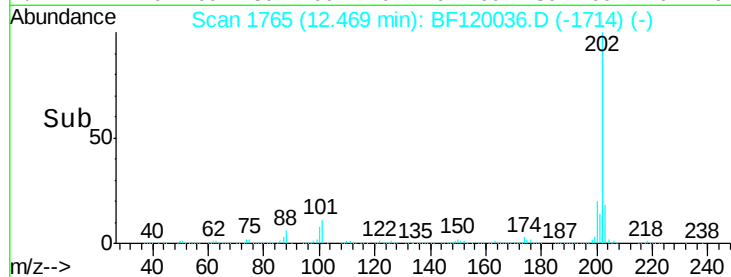
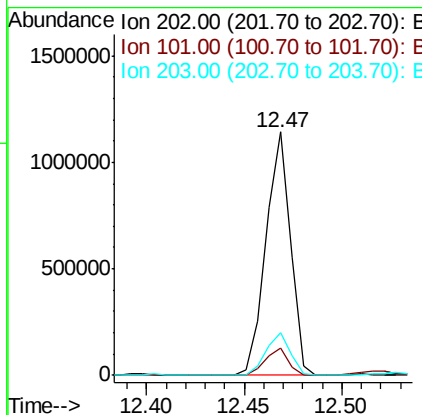
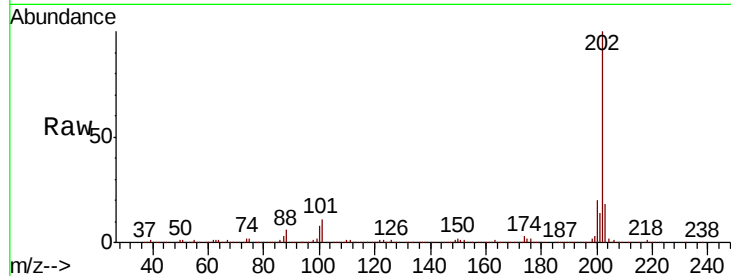
ClientSampleId :

TP-11-19

Tot Ion:	202	Resp:	994180
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	32.3
203	17.7	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

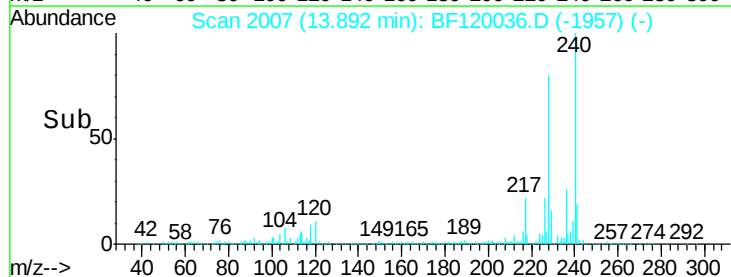
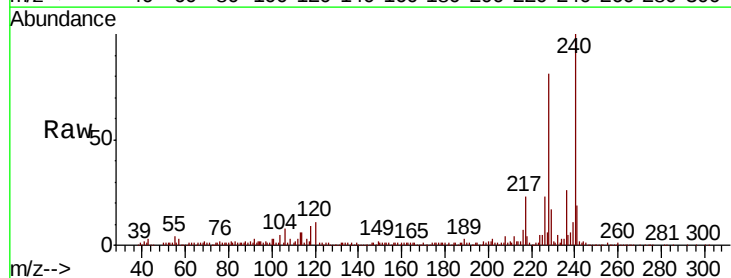
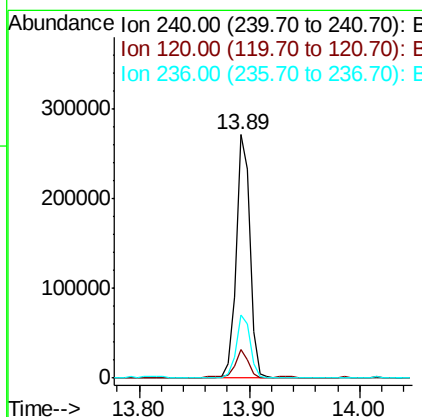
RT: 13.89 min Scan# 2007

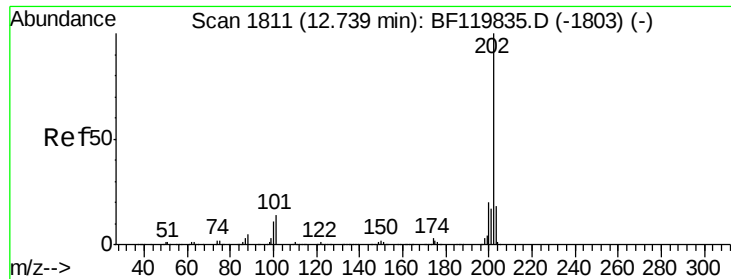
Delta R.T. -0.01 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Tgt Ion:	240	Resp:	240052
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.0	13.6
236	25.7	20.7	31.1





#78

Pvrene

Concen: 46.117 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Instrument :

BNA_F

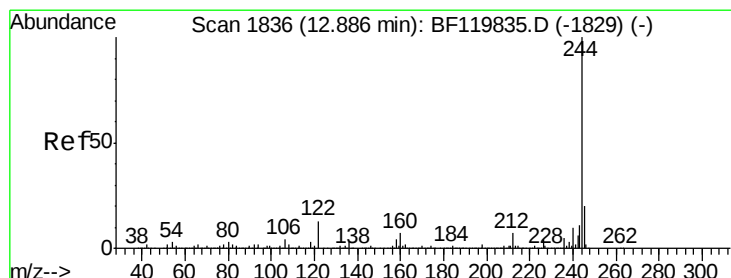
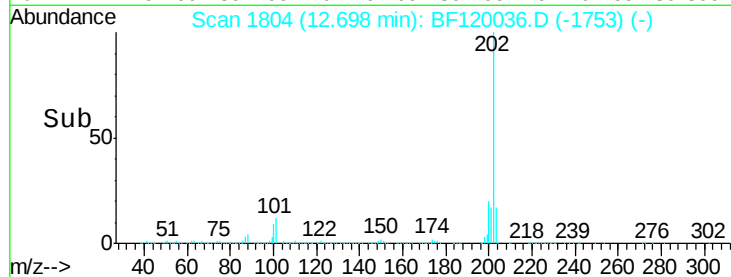
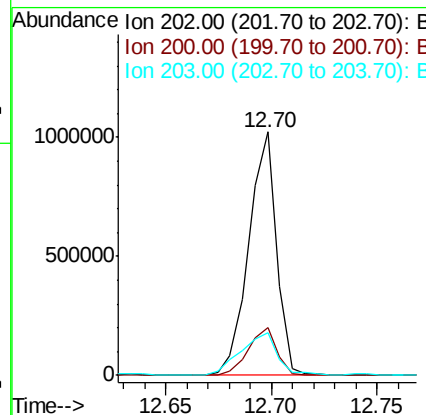
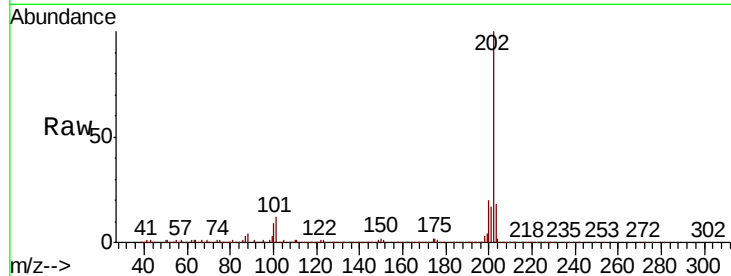
ClientSampled :

TP-11-19

Tot Ion:	202	Resp:	933258
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.2	24.2
203	17.6	14.1	21.1

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#79

Terphenyl-d14

Concen: 15.057 ng

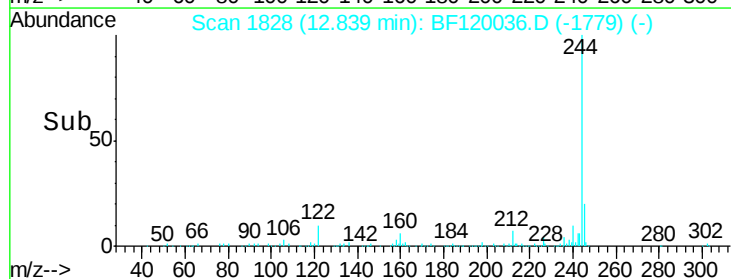
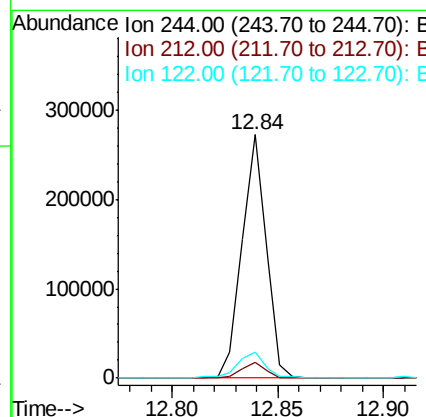
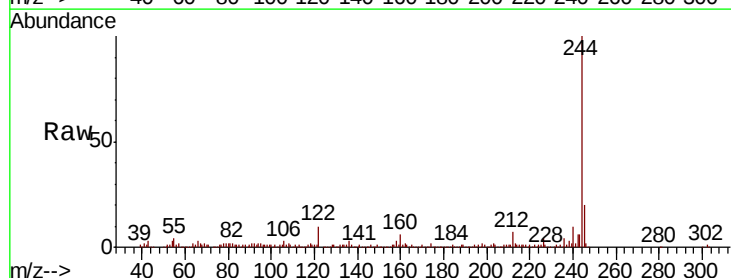
RT: 12.84 min Scan# 1828

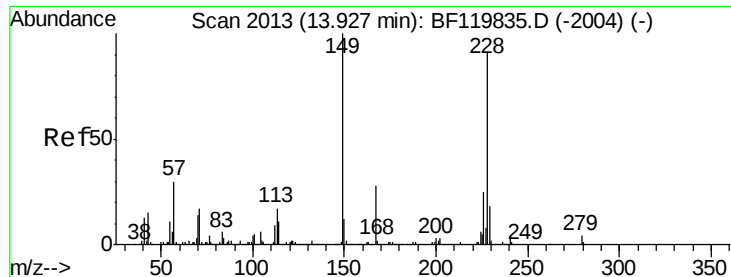
Delta R.T. -0.01 min

Lab File: BF120036.D

Acq: 16 Apr 2020 15:14

Tgt Ion:	244	Resp:	214812
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	10.5	10.3	15.5





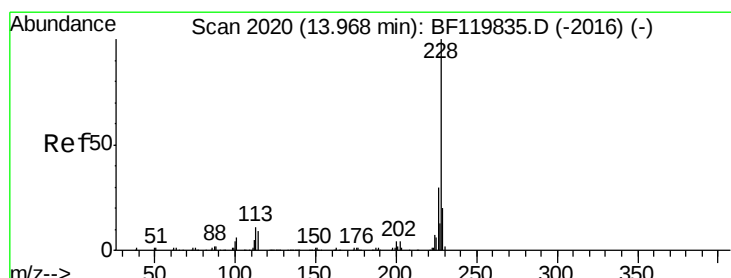
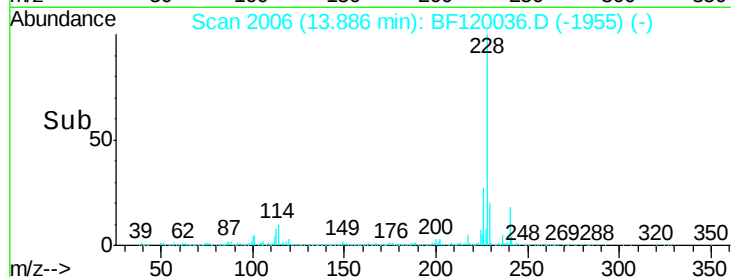
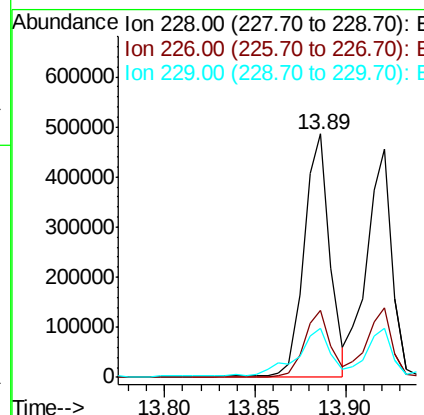
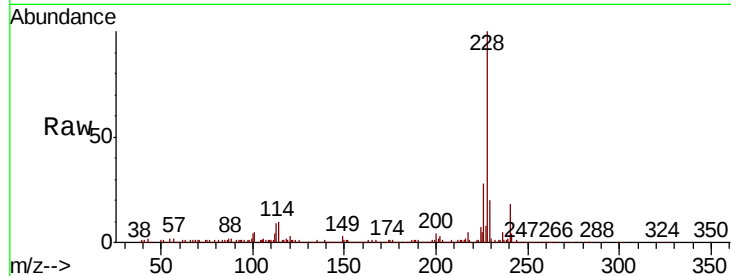
#81
Benzo(a)anthracene
Concen: 30.775 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Instrument :
BNA_F
ClientSampleId :
TP-11-19

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	20.4	15.9	23.9

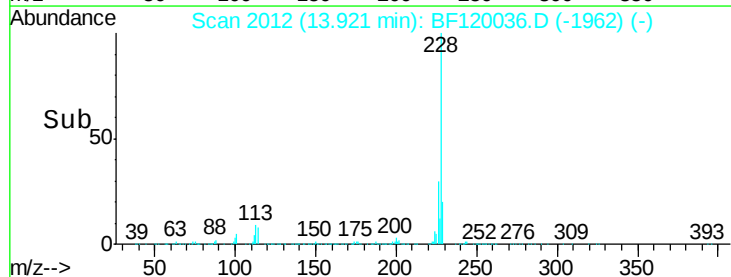
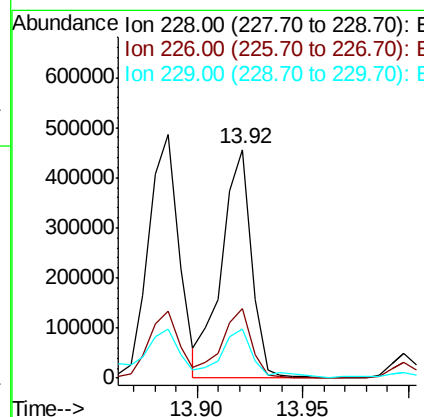
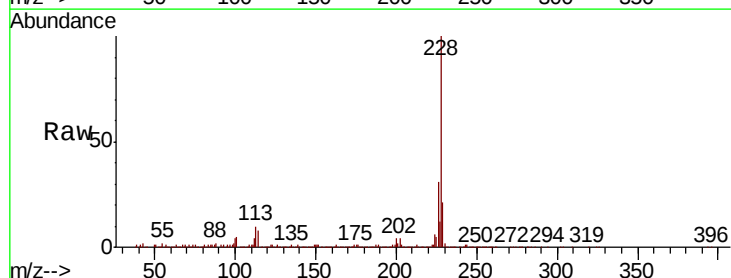
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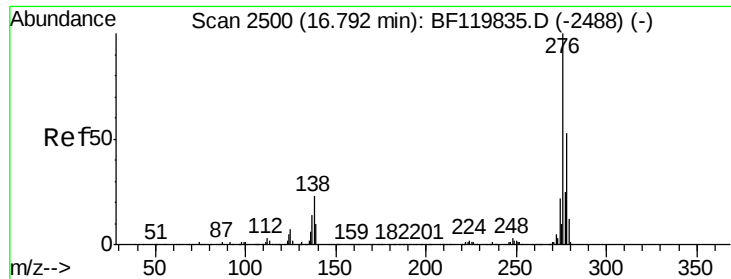
mohammad
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#83
Chrysene
Concen: 27.855 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	21.2	15.9	23.9





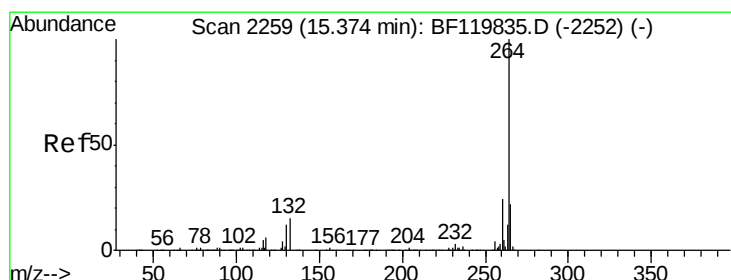
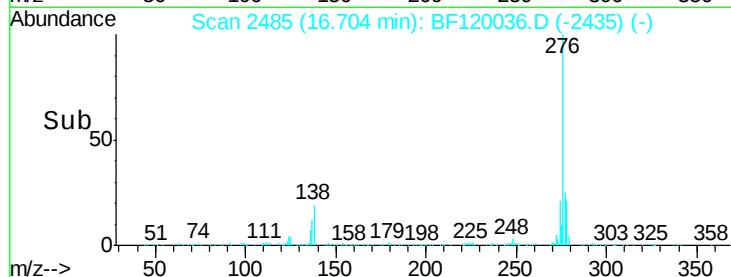
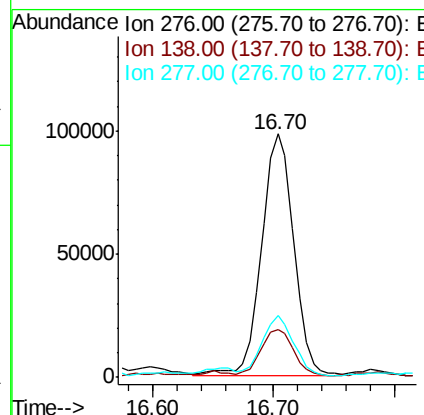
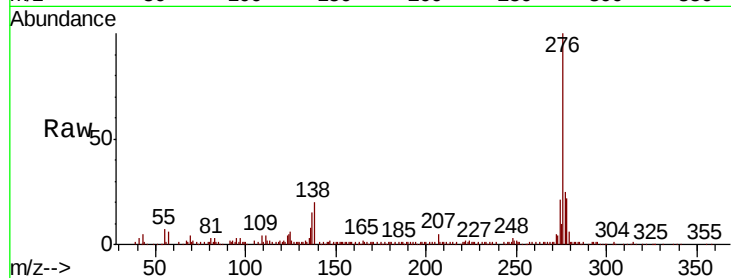
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.821 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Instrument :
BNA_F
ClientSampled :
TP-11-19

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.0	27.0
277	23.8	20.1	30.1

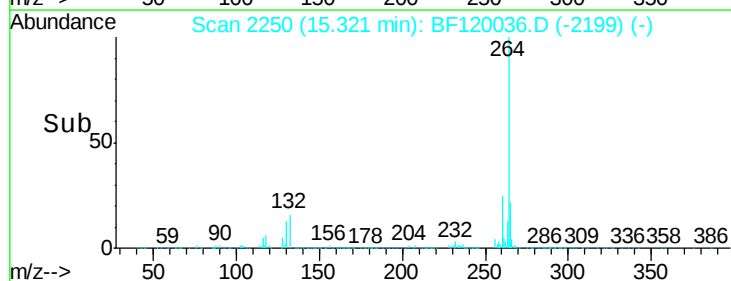
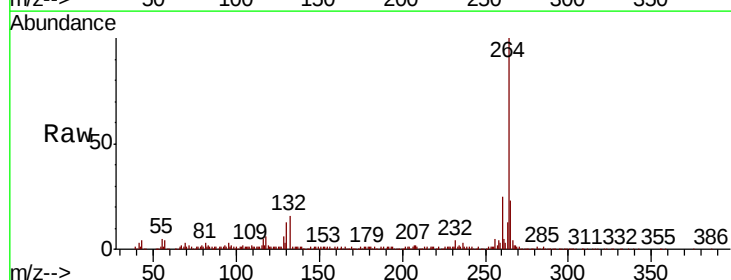
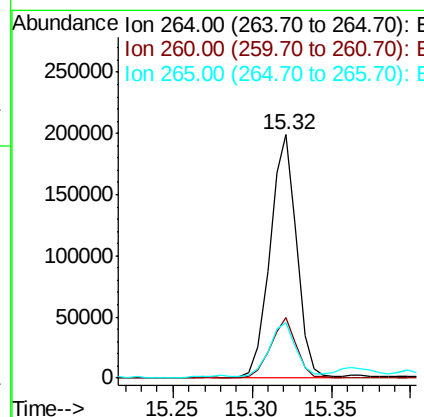
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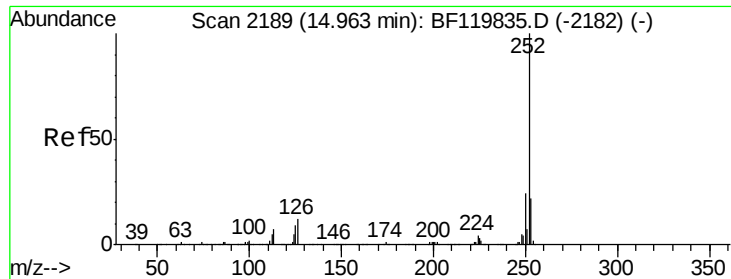
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	22.6	17.6	26.4





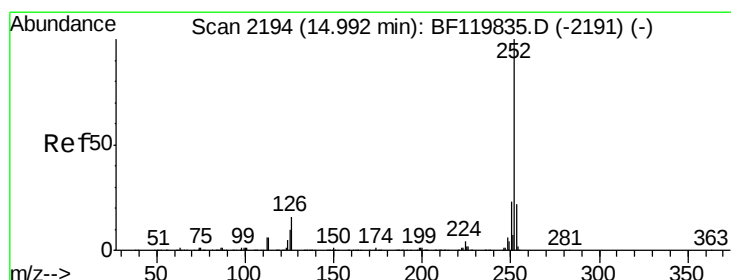
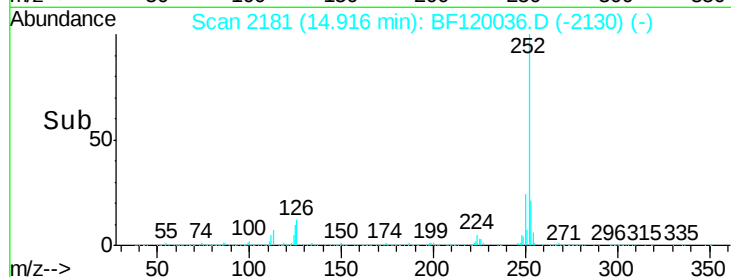
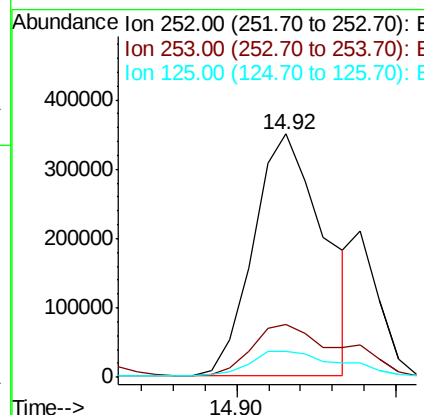
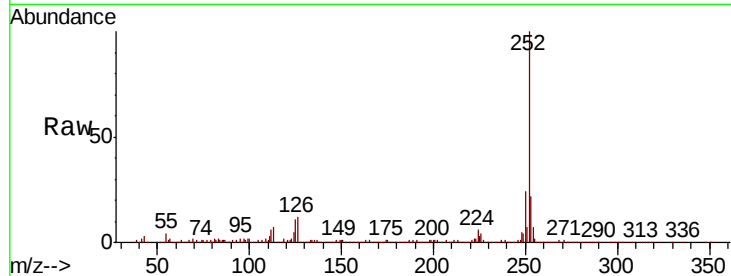
#88
Benzo(b)fluoranthene
Concen: 32.297 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Instrument :
BNA_F
ClientSampleId :
TP-11-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	10.6	7.4	11.2

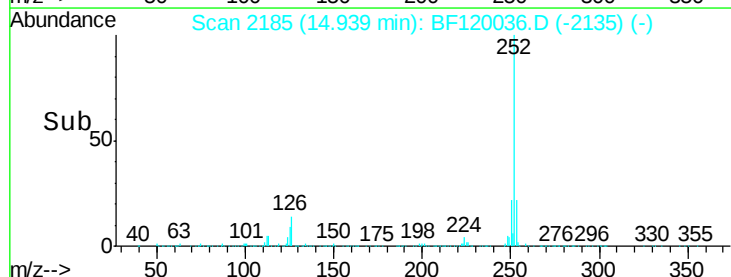
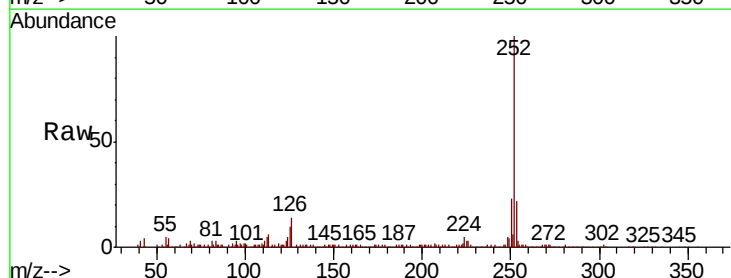
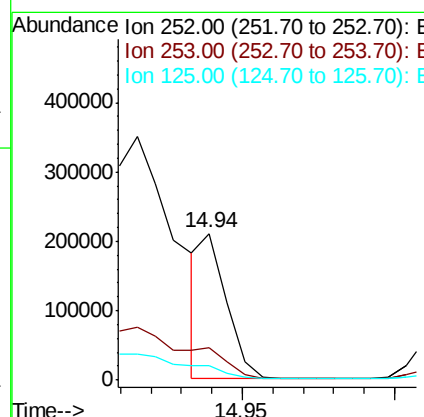
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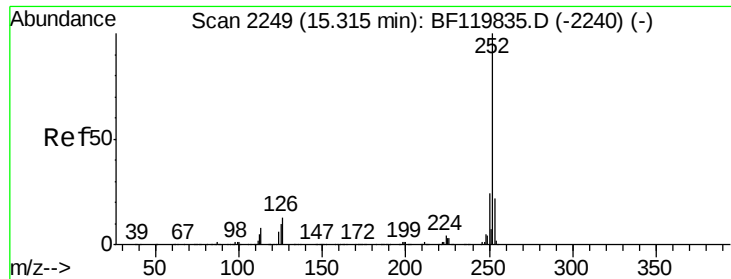
mohammad
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#89
Benzo(k)fluoranthene
Concen: 8.528 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	9.7	7.7	11.5





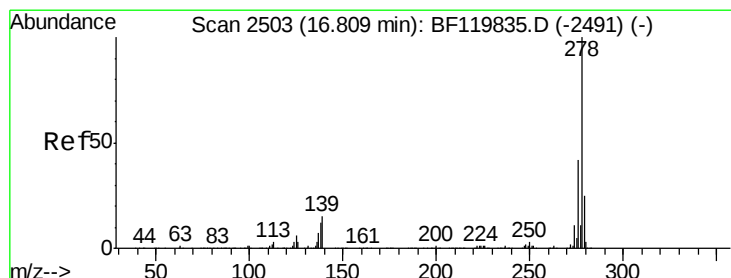
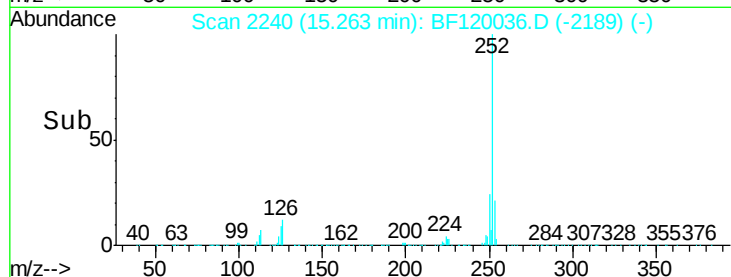
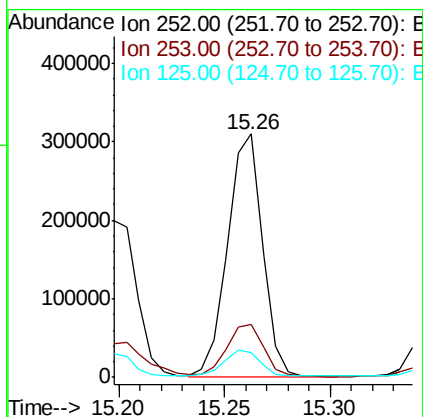
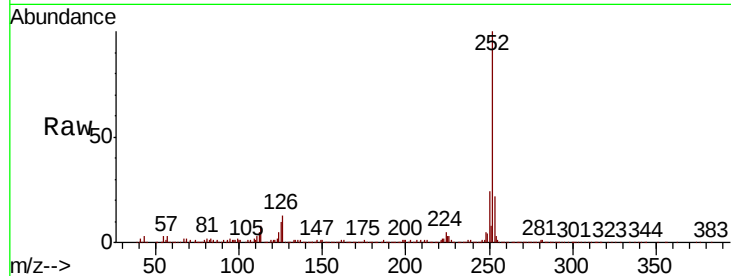
#90
Benzo(a)pyrene
Concen: 25.038 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Instrument :
BNA_F
ClientSampleId :
TP-11-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	10.1	8.3	12.5

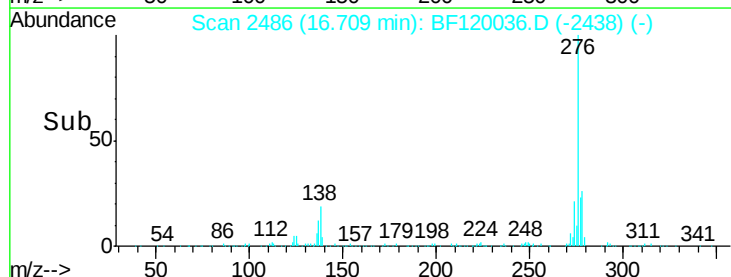
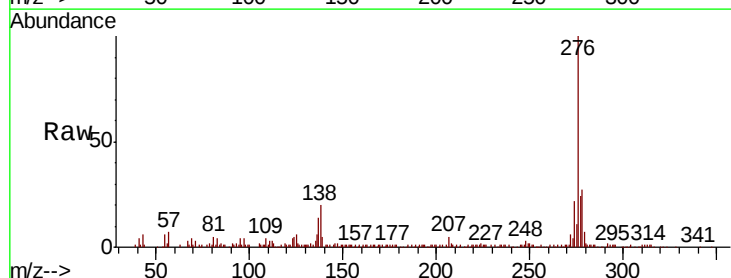
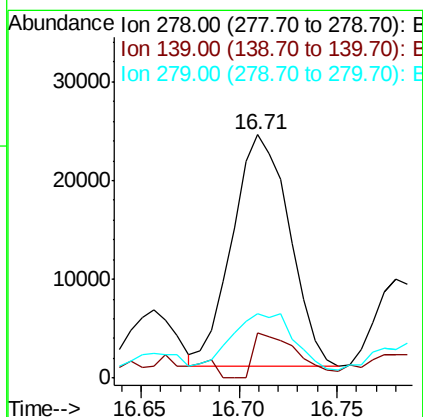
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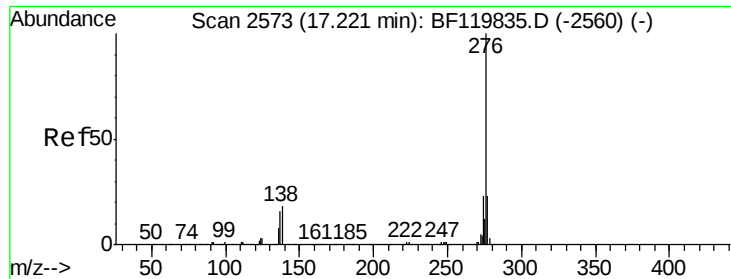
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.804 ng m
RT: 16.71 min Scan# 2486
Delta R.T. -0.02 min
Lab File: BF120036.D
Acq: 16 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	11.6	17.4#
279	26.5	19.7	29.5





#92
 Benzo(a,h,i)perylene
 Concen: 12.992 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF120036.D
 Acq: 16 Apr 2020 15:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-19

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.5	27.7
138	19.6	14.6	22.0

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