

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\
 Data File : BF120298.D
 Acq On : 14 May 2020 18:42
 Operator : MA/SJ
 Sample : L2605-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 239992

Manual Integrations
 APPROVED

mohammad
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Quant Time: May 15 03:02:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	369107	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1529334	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	742723	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1313060	20.00	ng	0.00
76) Chrysene-d12	13.78	240	886459	20.00	ng	0.00
87) Perylene-d12	15.17	264	734685	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1631651	86.01	ng	0.00
7) Phenol-d6	6.27	99	2177133	90.75	ng	0.00
23) Nitrobenzene-d5	7.19	82	1356759	60.74	ng	0.00
42) 2,4,6-Tribromophenol	10.45	330	531655	87.79	ng	0.00
45) 2-Fluorobiphenyl	8.99	172	2510602	69.45	ng	0.00
79) Terphenyl-d14	12.73	244	2261008	56.35	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.38	163	578044	12.312	ng	99
71) Phenanthrene	11.16	178	415927	7.538	ng	97
75) Fluoranthene	12.35	202	641006	10.839	ng	96
78) Pyrene	12.58	202	625836	9.903	ng	98
81) Benzo(a)anthracene	13.77	228	302055	6.460	ng	98
83) Chrysene	13.80	228	282529	5.627	ng	98
86) Indeno(1,2,3-cd)pyrene	16.50	276	116236	2.551	ng	# 91
88) Benzo(b)fluoranthene	14.79	252	294389m	7.337	ng	
89) Benzo(k)fluoranthene	14.80	252	117576m	3.382	ng	
90) Benzo(a)pyrene	15.12	252	203836	5.665	ng	97
92) Benzo(g,h,i)perylene	16.90	276	107985	3.359	ng	95

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

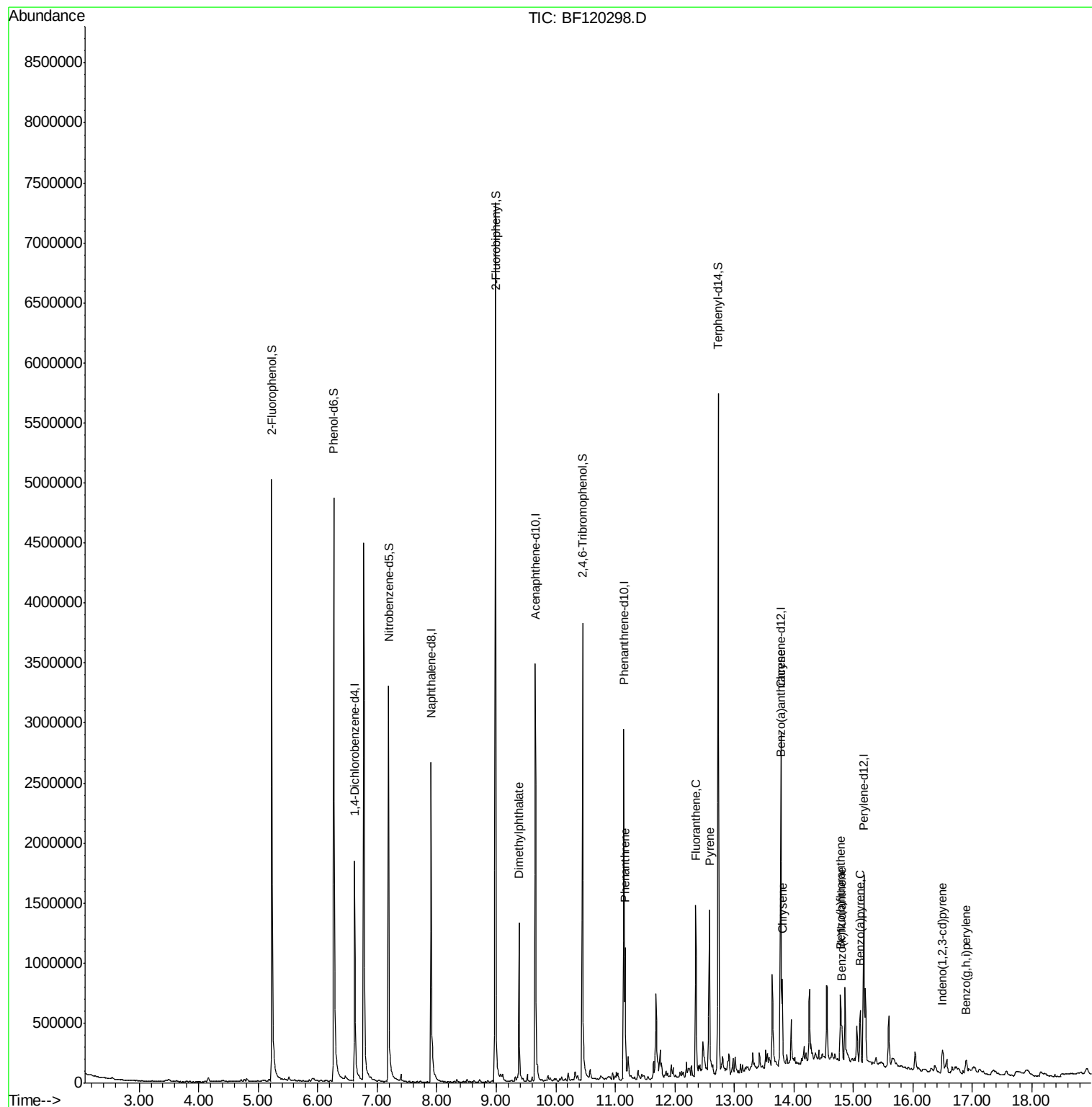
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Data File : BF120298.D
Acq On : 14 May 2020 18:42
Operator : MA/SJ
Sample : L2605-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

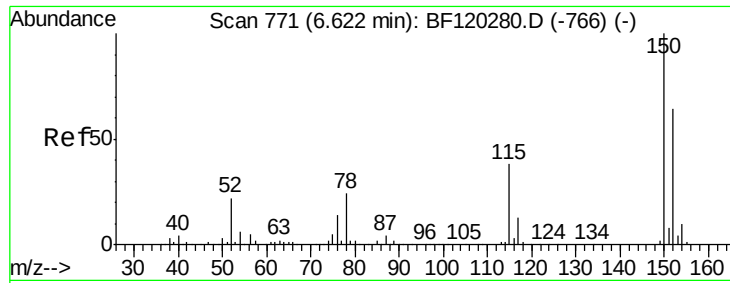
Instrument :
BNA_F
ClientSampleId :
239992

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#1

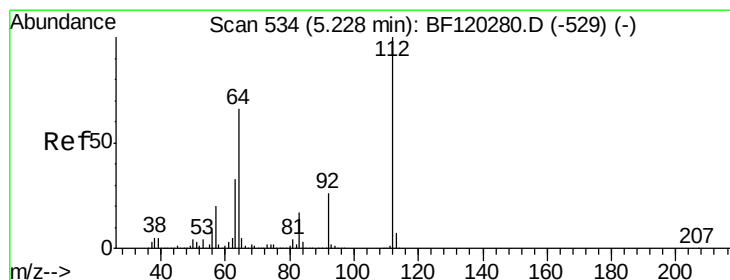
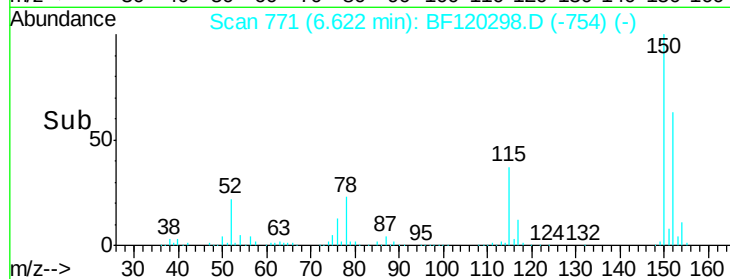
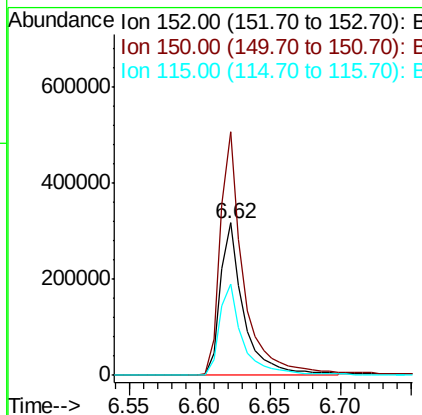
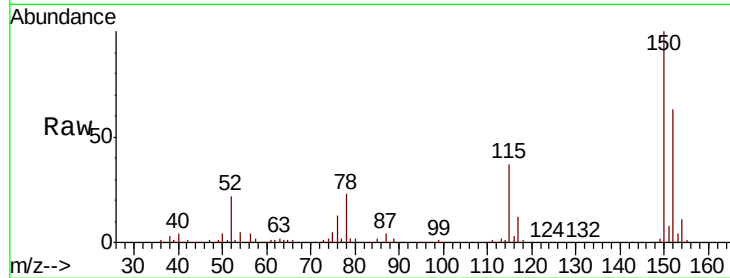
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :
239992

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	59.9	47.9	71.9

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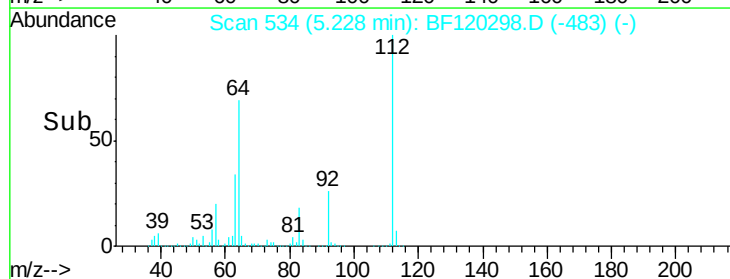
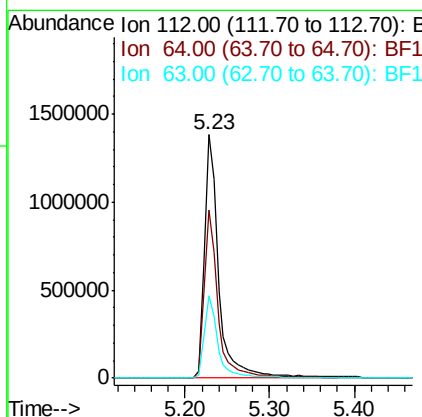
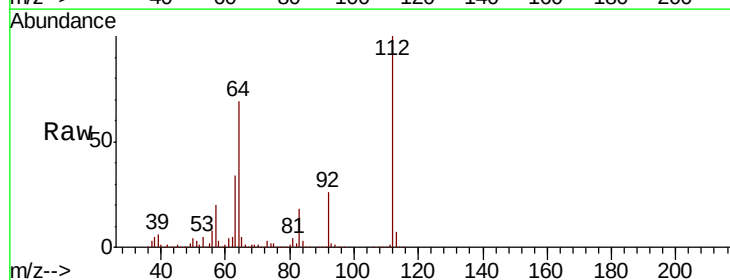
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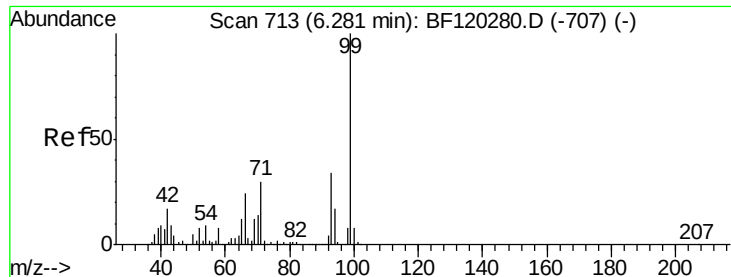


#5

2-Fluorophenol
Concen: 86.011 ng
RT: 5.23 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	52.7	79.1
63	33.9	26.2	39.4





#7

Phenol-d6

Concen: 90.753 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

ClientSampleId :

239992

Tot Ion: 99 Resp: 2177133

Ion Ratio Lower Upper

99 100

42 17.5 13.6 20.4

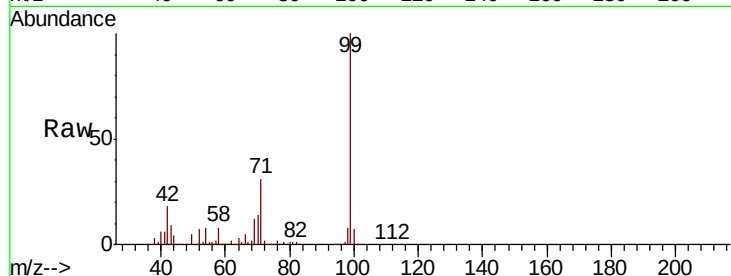
71 30.8 24.2 36.4

Manual Integrations

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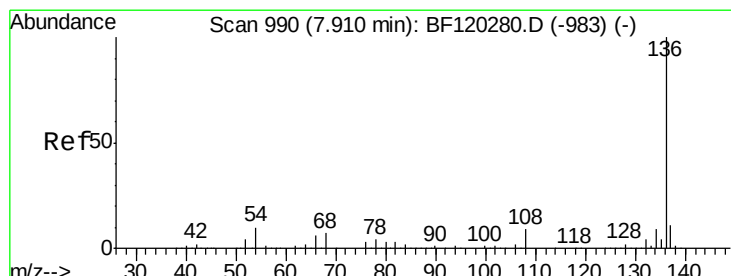
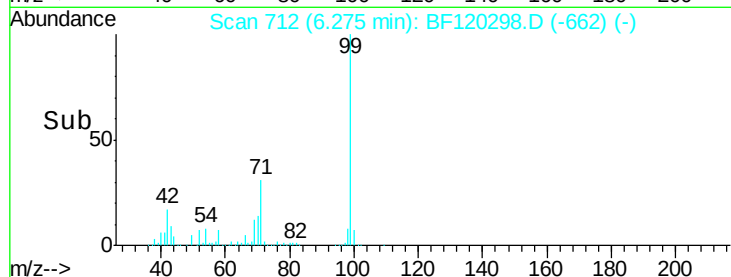
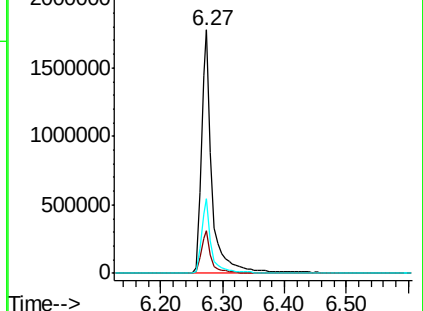
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Tgt Ion: 136 Resp: 1529334

Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.4 7.9 11.9

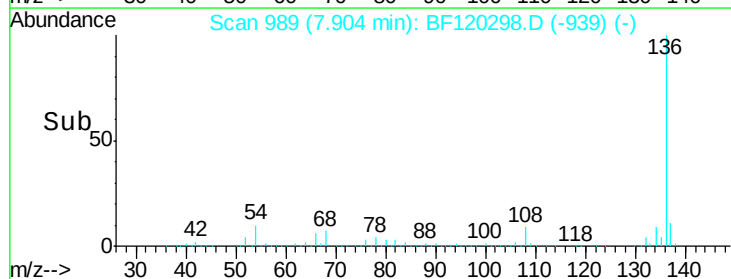
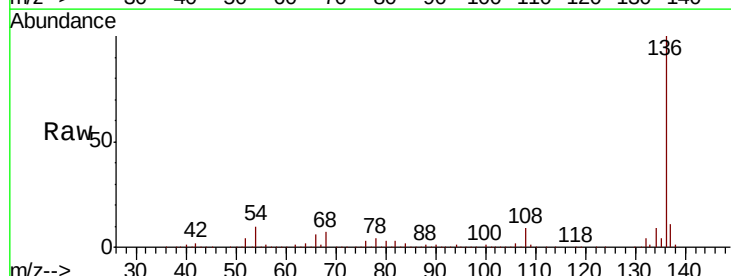
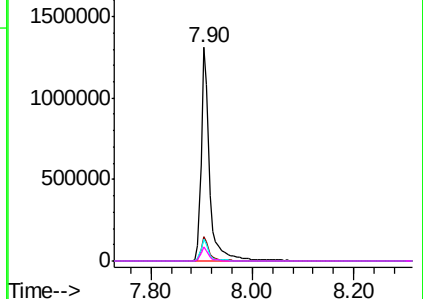
68 6.6 5.4 8.2

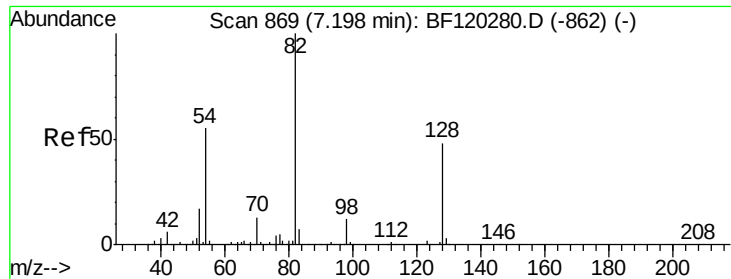
Abundance Ion 136.00 (135.70 to 136.70): E

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





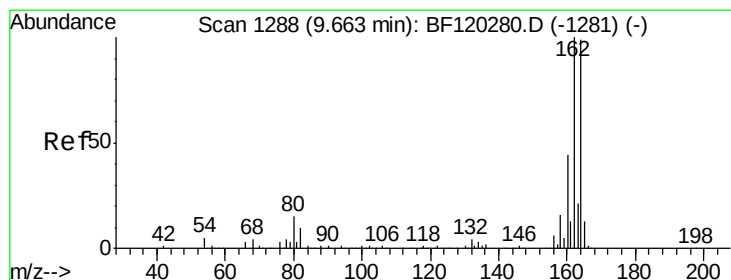
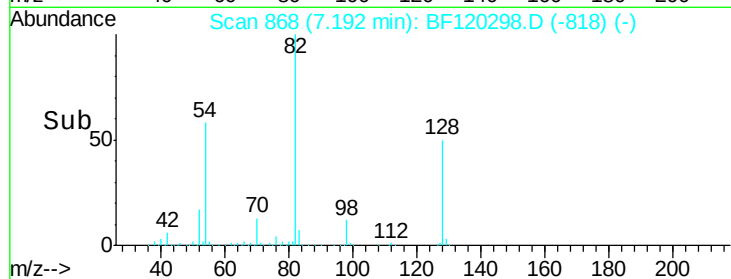
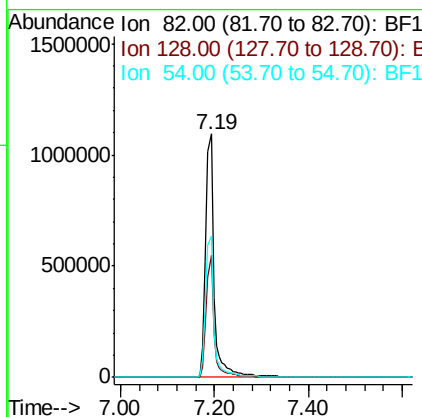
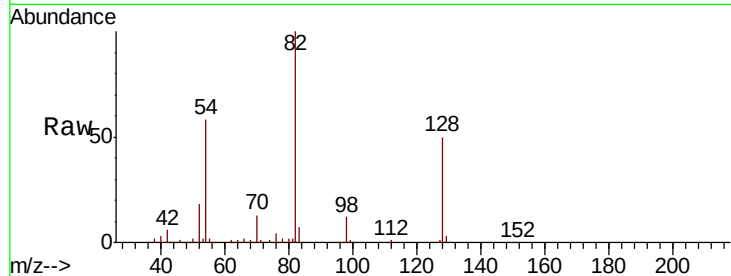
#23
Nitrobenzene-d5
Concen: 60.741 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampled :
239992

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.1	38.3	57.5
54	57.8	43.9	65.9

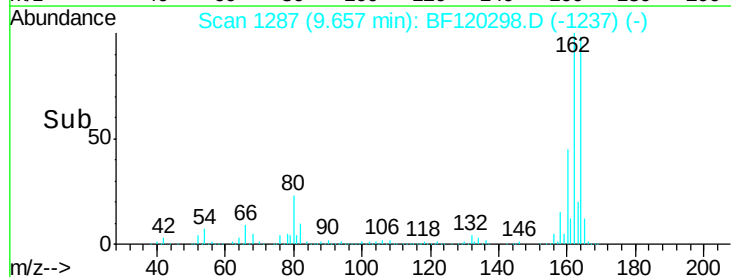
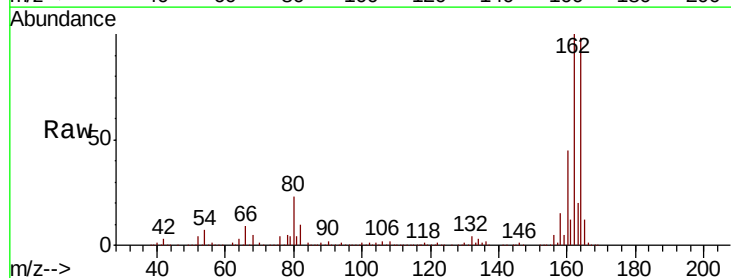
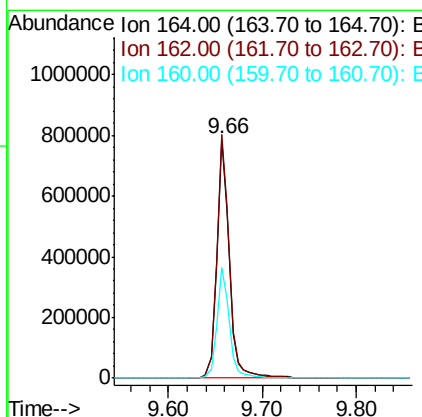
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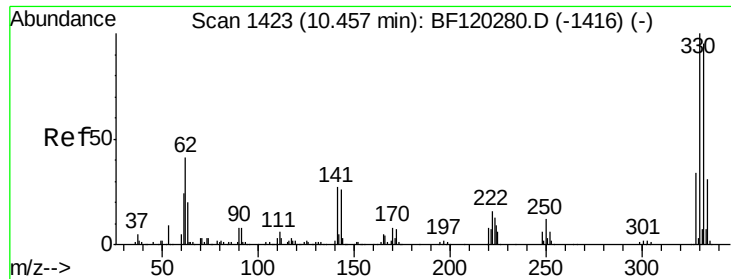
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.2	121.8
160	46.2	35.8	53.6





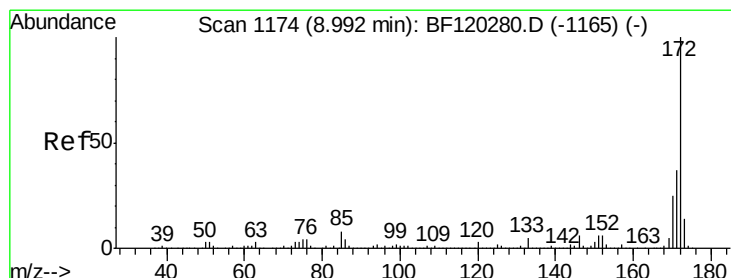
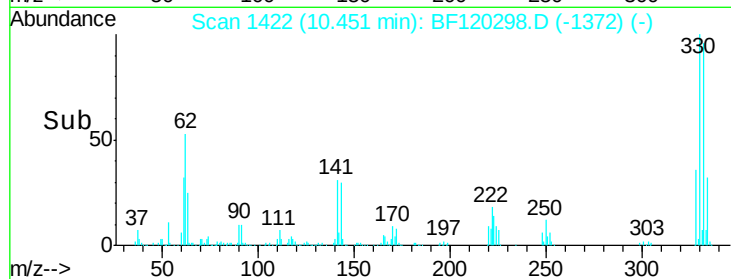
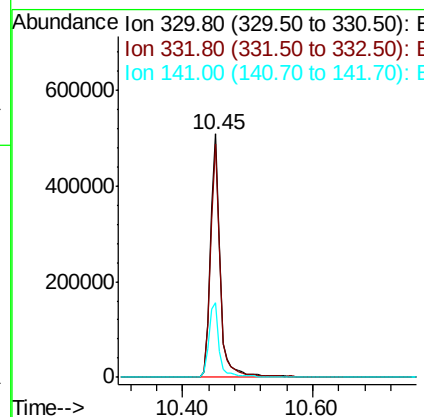
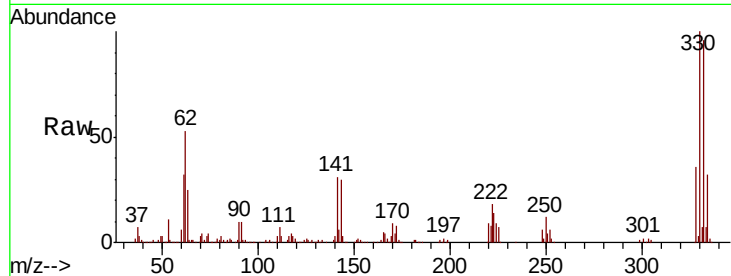
#42
 2,4,6-Tribromophenol
 Concen: 87.793 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF120298.D
 Acq: 14 May 2020 18:42

Instrument :
 BNA_F
 ClientSampleId :
 239992

Tot Ion	Ratio	Resp	Lower	Upper
330	100	531655		
332	94.6		76.5	114.7
141	32.8		25.4	38.0

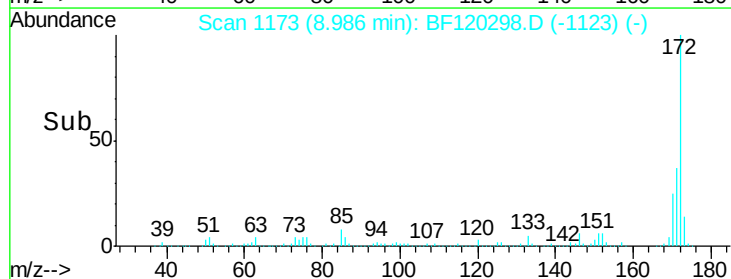
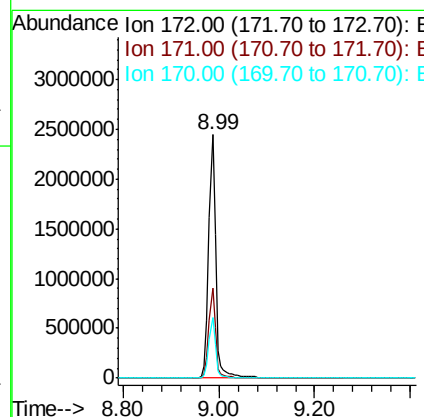
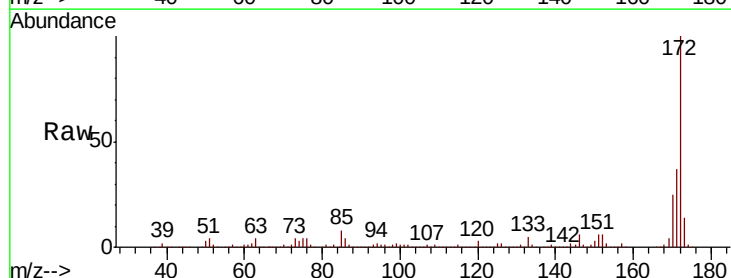
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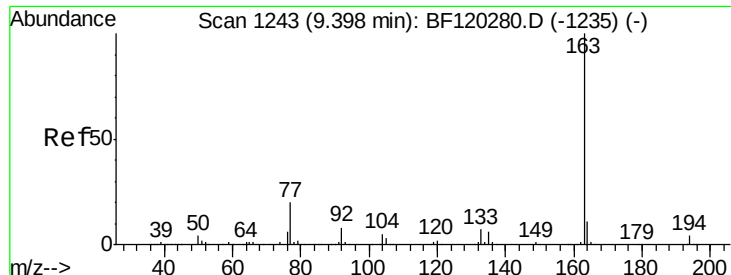
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#45
 2-Fluorobiphenyl
 Concen: 69.447 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF120298.D
 Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2510602		
171	37.1		29.7	44.5
170	24.9		19.9	29.9





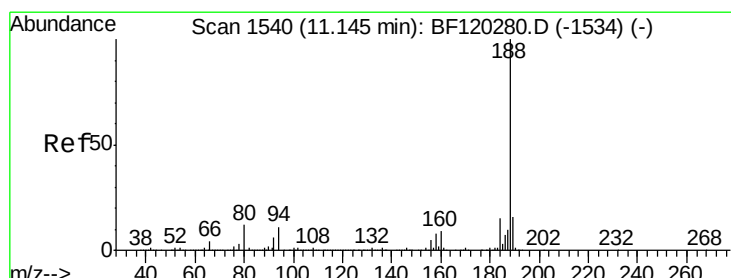
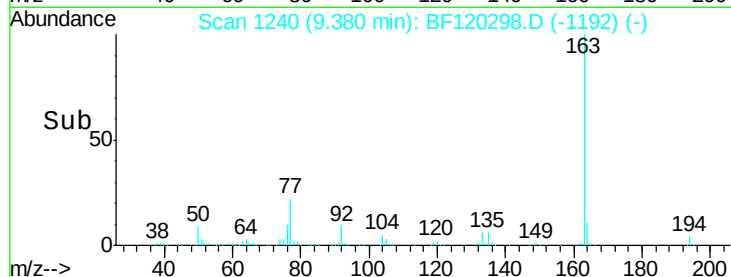
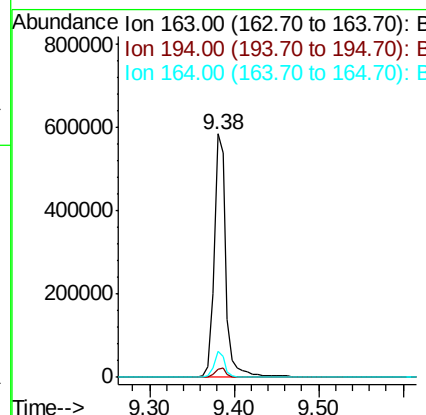
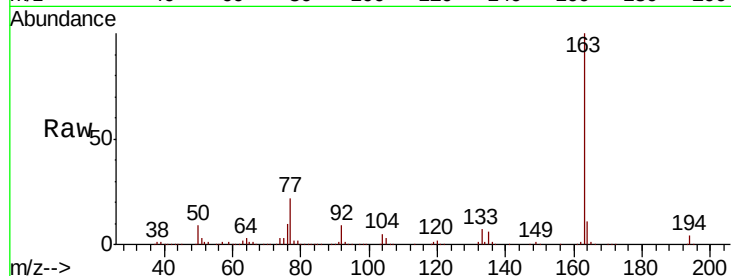
#50
Dimethylphthalate
Concen: 12.312 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.02 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :
239992

Tot Ion	Ratio	Resp	Lower	Upper
163	100	578044		
194	3.5		3.1	4.7
164	10.6		8.6	12.8

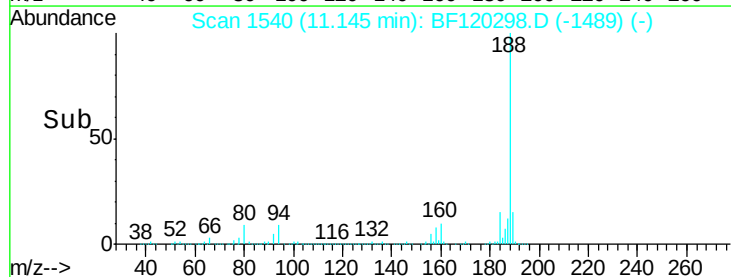
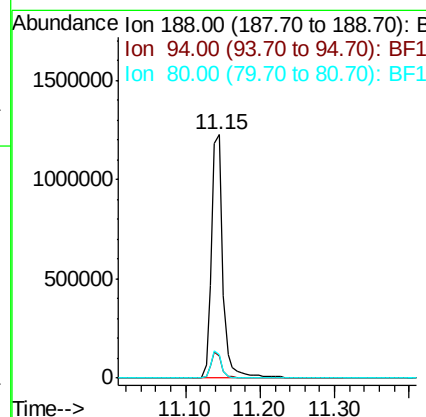
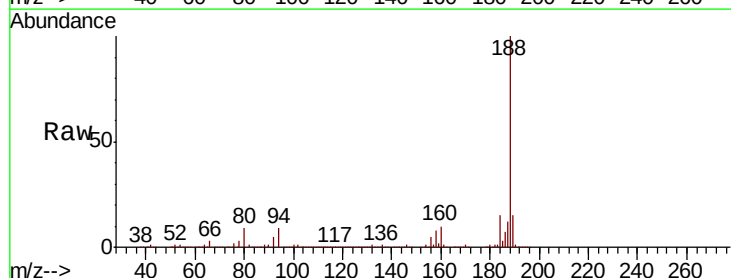
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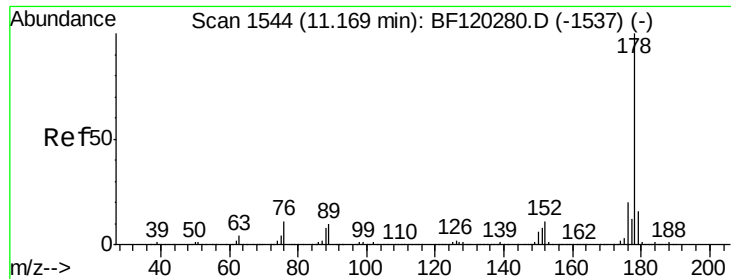
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1313060		
94	9.4		8.6	13.0
80	9.4		9.2	13.8





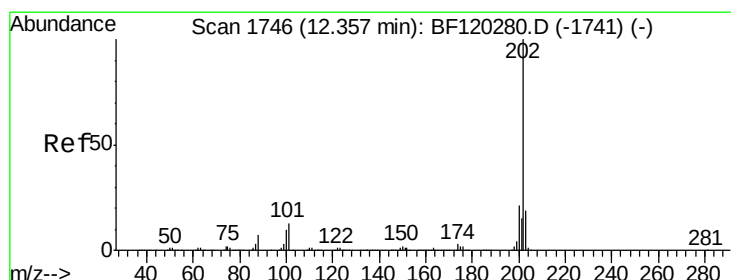
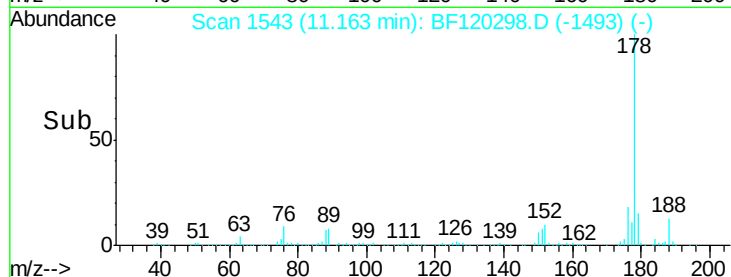
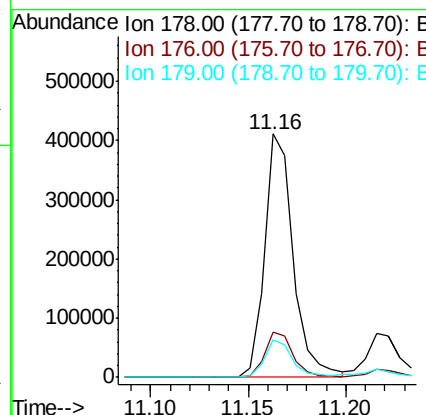
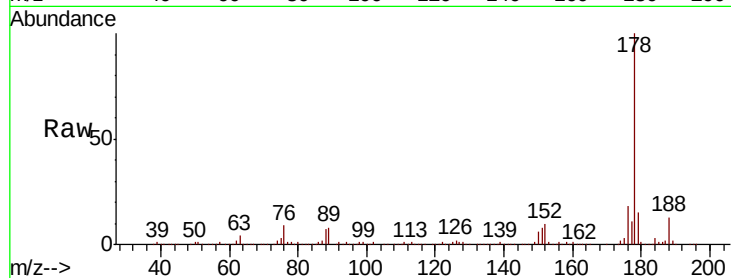
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Phenanthrene
Concen: 7.538 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampled :
239992

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.2	12.8	19.2

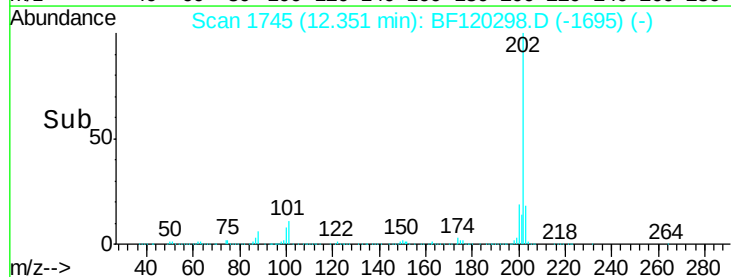
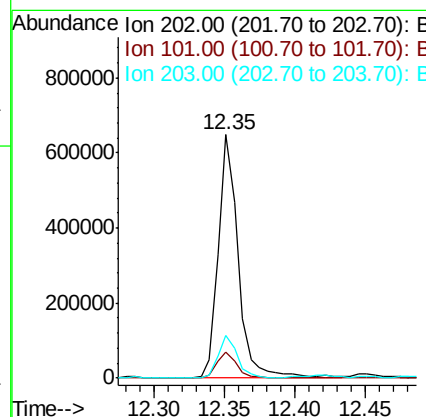
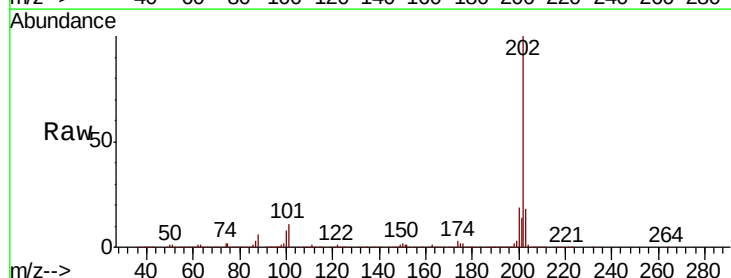
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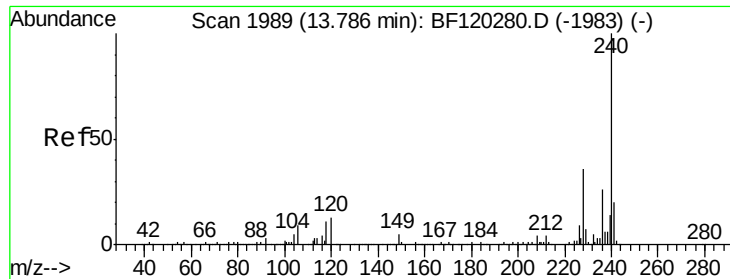
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#75
Fluoranthene
Concen: 10.839 ng
RT: 12.35 min Scan# 1745
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	33.2
203	17.7	0.0	39.1





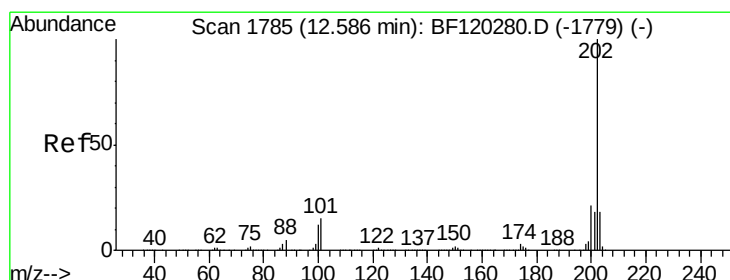
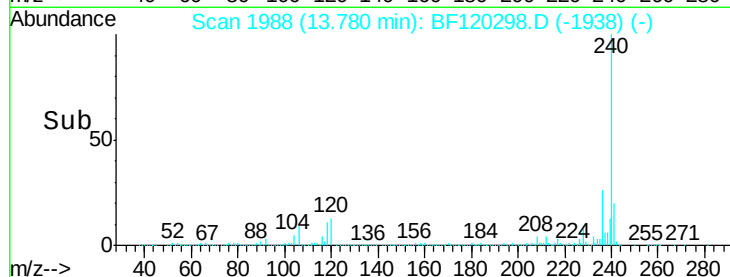
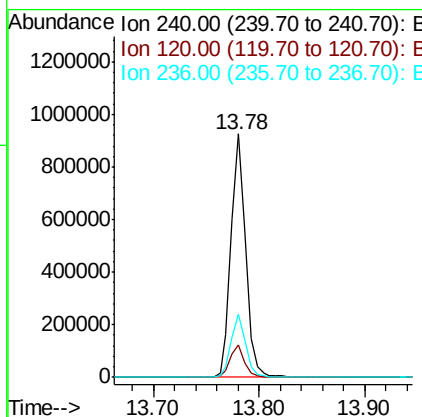
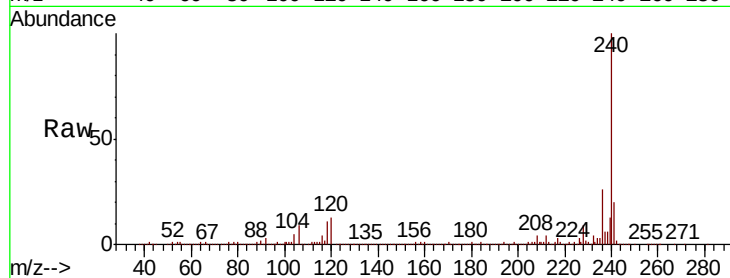
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :
239992

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.4	15.6
236	25.8	21.0	31.6

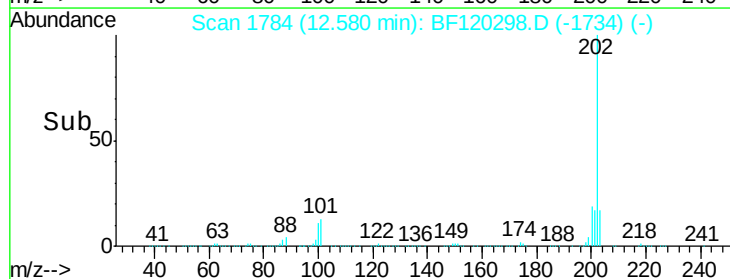
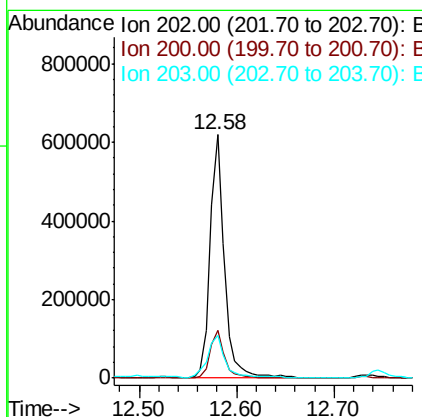
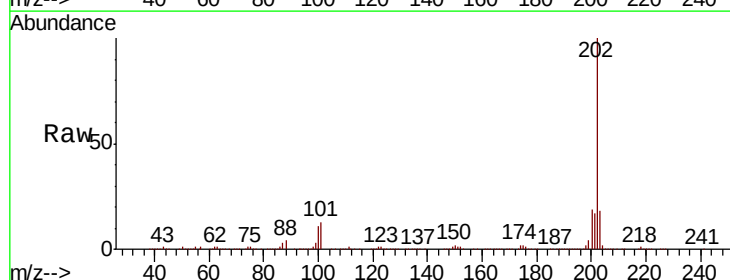
Manual Integrations
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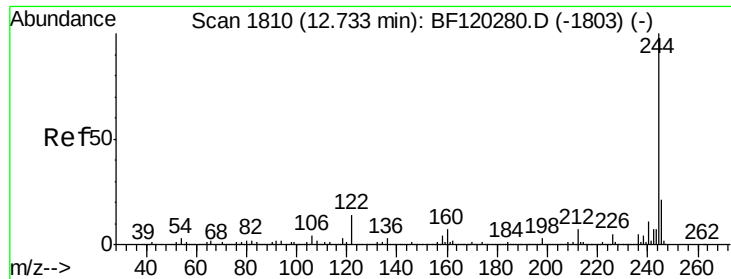
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#78
Pyrene
Concen: 9.903 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.6	25.0
203	17.7	14.6	22.0





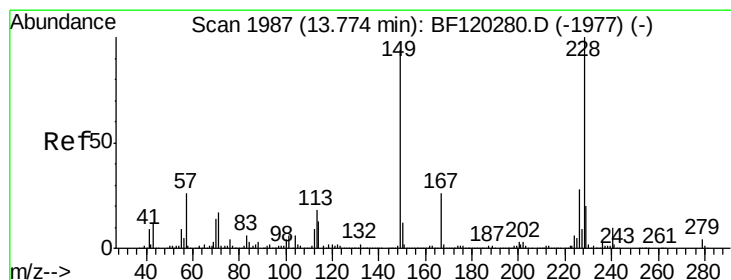
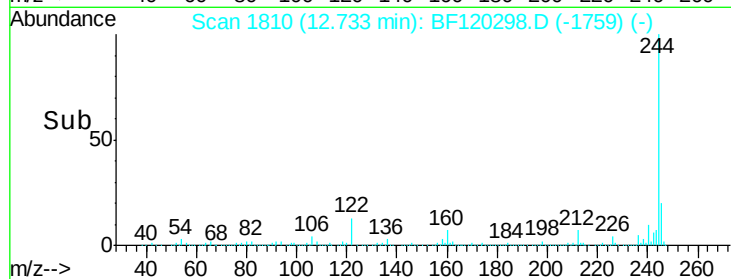
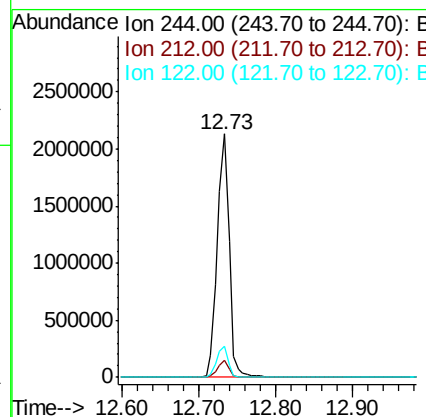
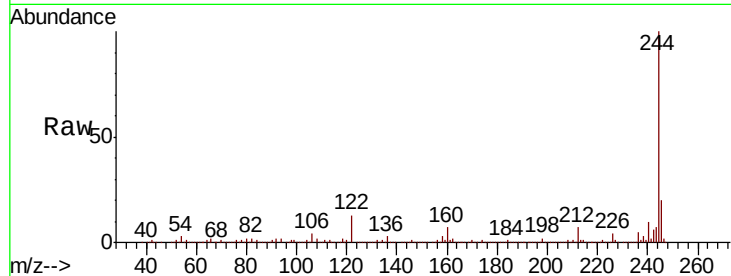
#79
 Terphenyl-d14
 Concen: 56.348 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BF120298.D
 Acq: 14 May 2020 18:42

Instrument :
 BNA_F
 ClientSampled :
 239992

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.8	10.8	16.2

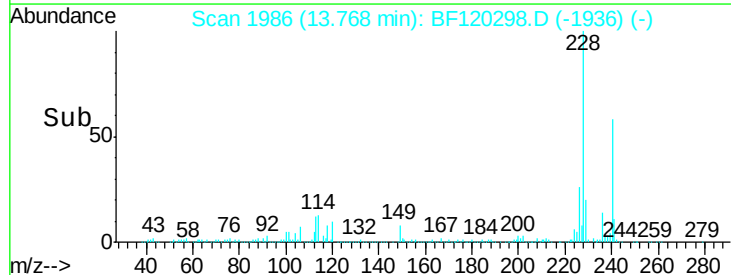
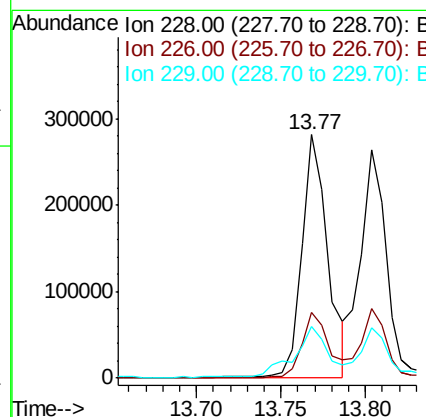
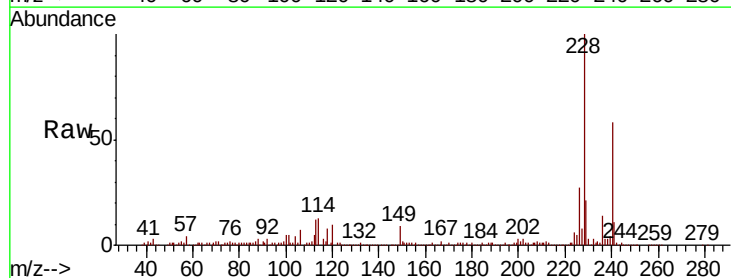
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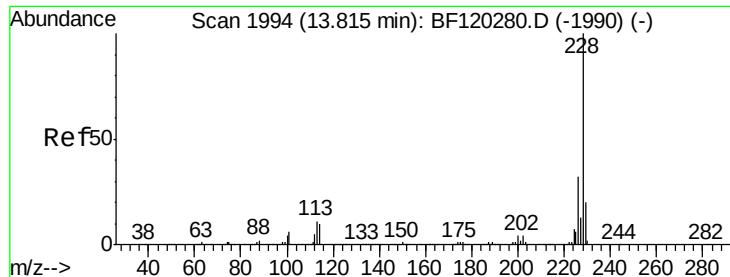
mohammad
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#81
 Benzo(a)anthracene
 Concen: 6.460 ng
 RT: 13.77 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BF120298.D
 Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	21.0	16.4	24.6





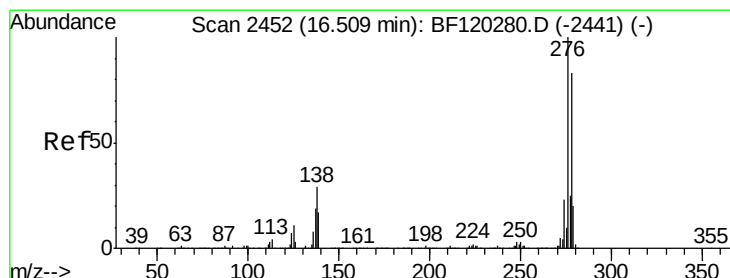
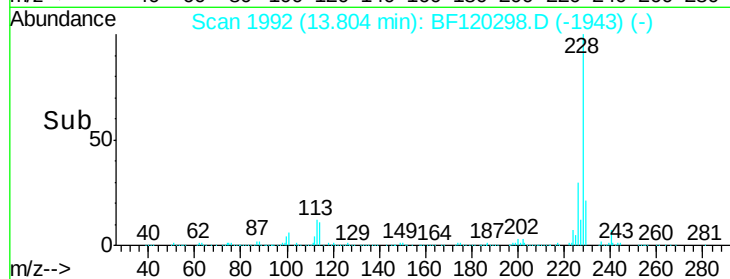
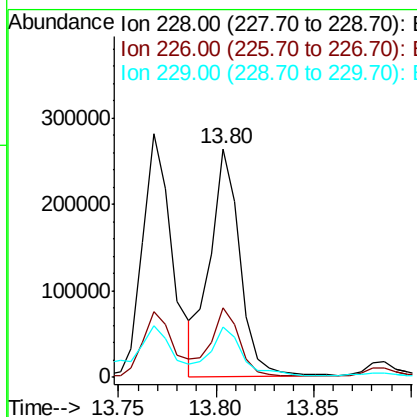
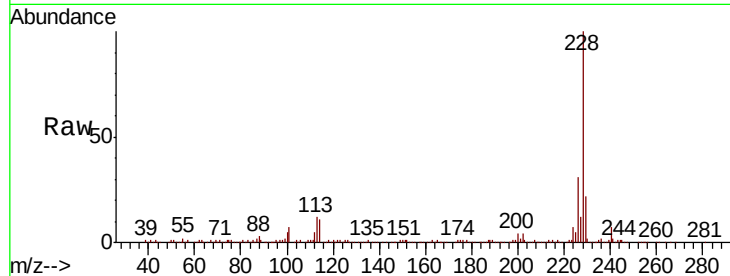
#83
Chrysene
Concen: 5.627 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :
239992

Tot Ion:228	Resp:	282529
Ion Ratio	Lower	Upper
228 100		
226 30.6	25.0	37.6
229 22.0	16.2	24.4

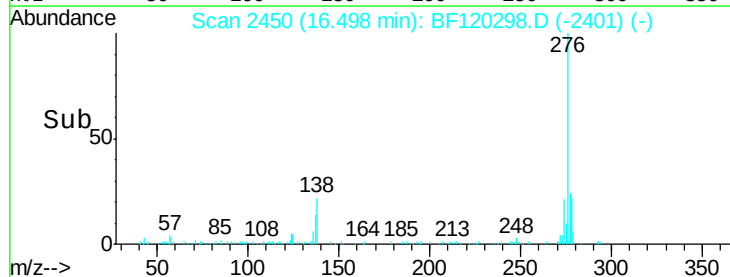
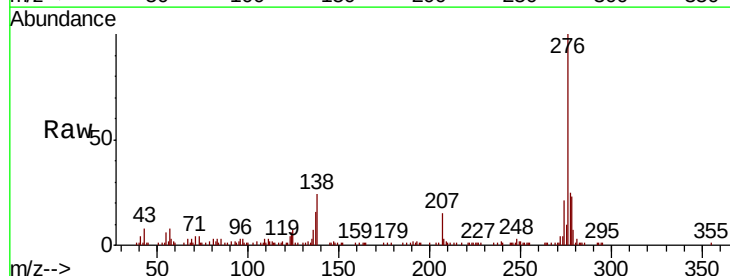
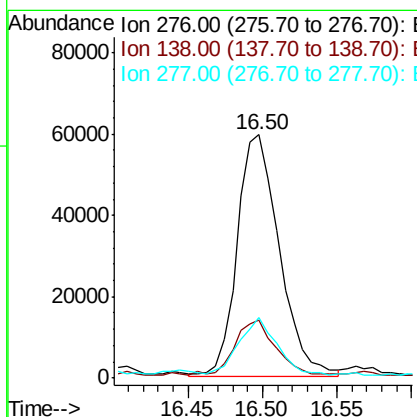
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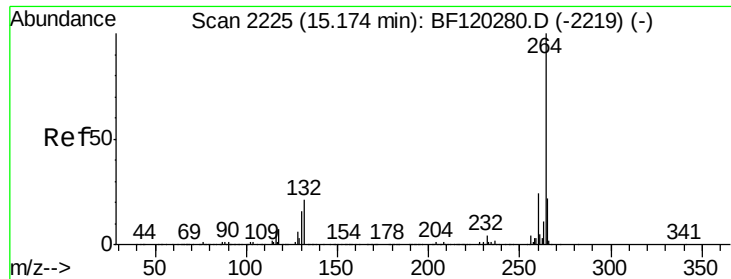
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.551 ng
RT: 16.50 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion:276	Resp:	116236
Ion Ratio	Lower	Upper
276 100		
138 22.9	23.3	34.9#
277 22.1	20.2	30.4





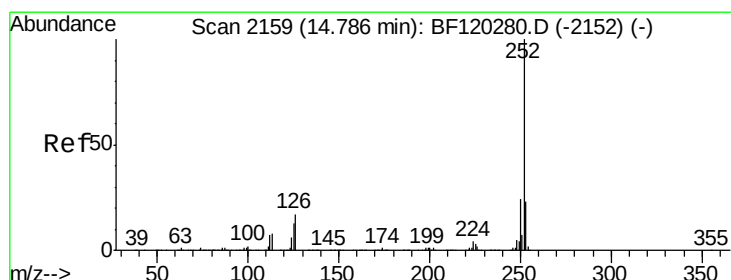
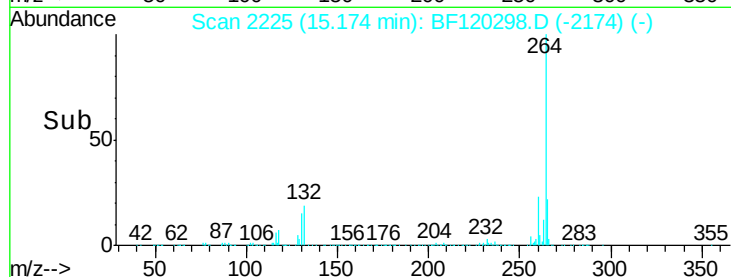
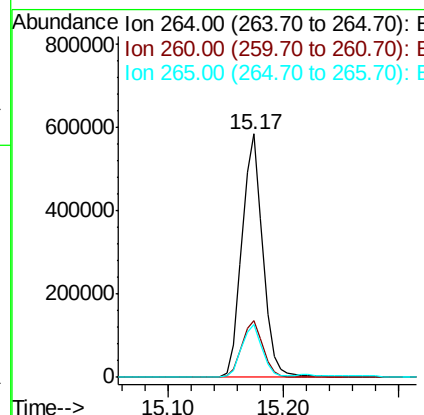
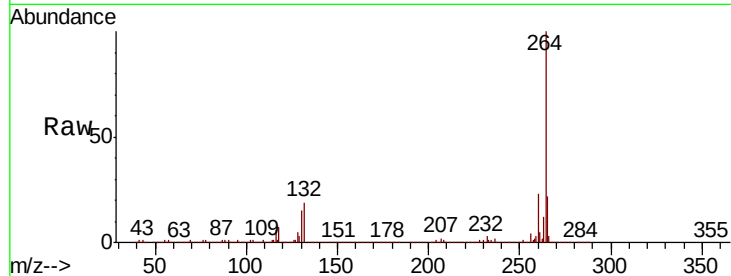
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :
239992

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.9	17.5	26.3

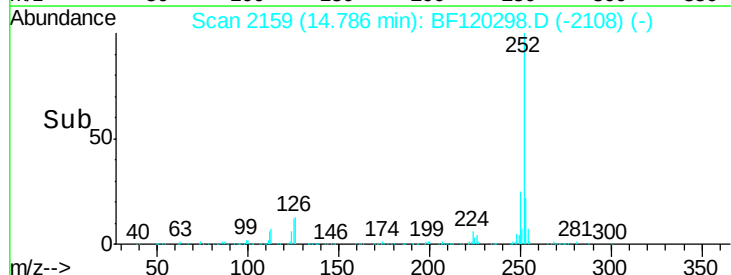
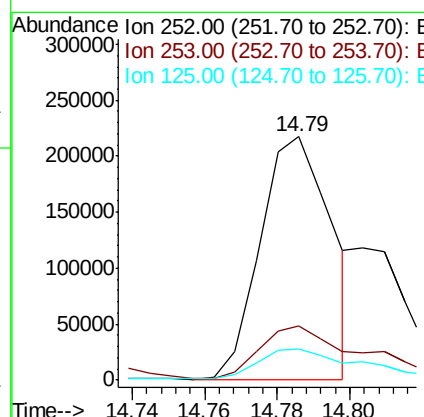
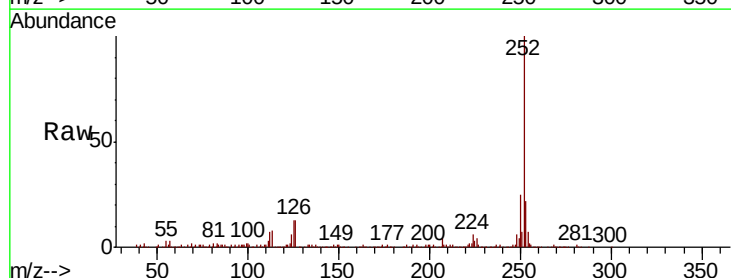
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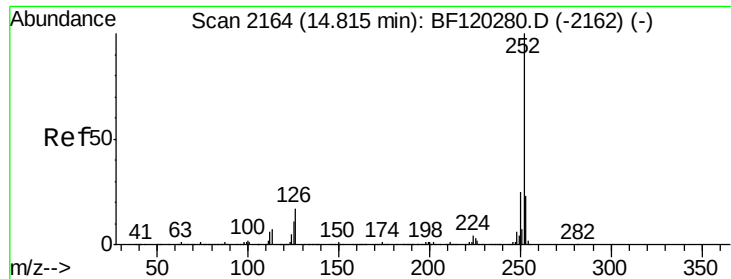
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#88
Benzo(b)fluoranthene
Concen: 7.337 ng m
RT: 14.79 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	12.6	10.4	15.6





#89

Benzo(k)fluoranthene

Concen: 3.382 ng

RT: 14.80 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

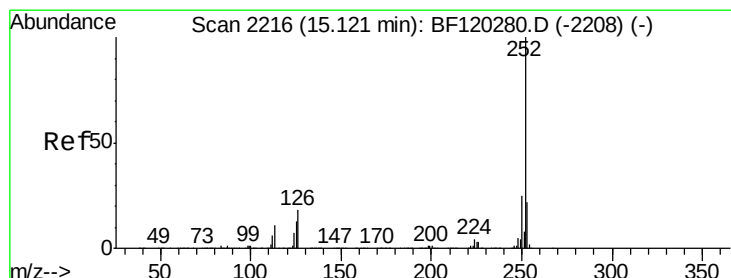
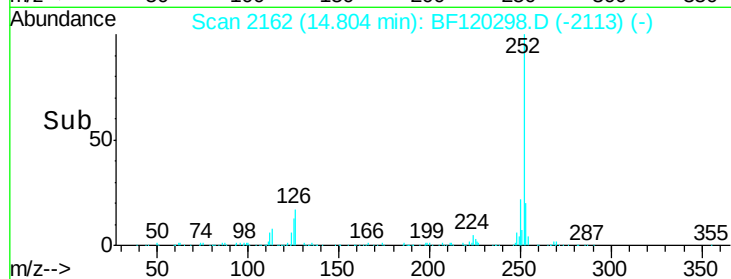
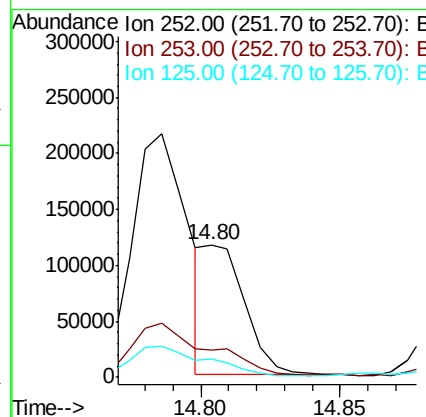
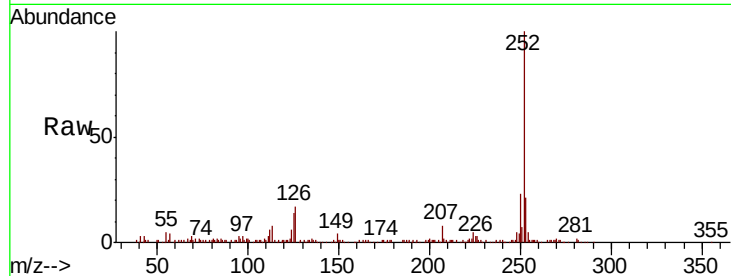
ClientSampled :

239992

Tot Ion:	252	Resp:	117576
Ion Ratio	Lower	Upper	
252	100		
253	20.9	18.2	27.2
125	13.6	9.9	14.9

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 5.665 ng

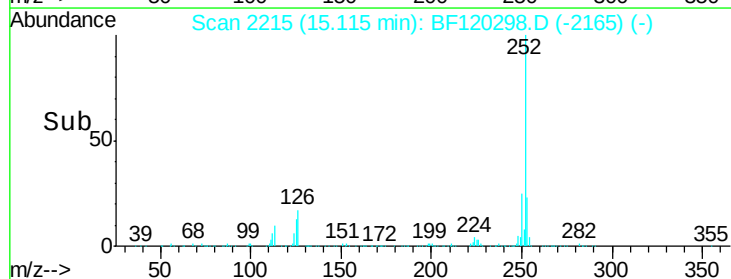
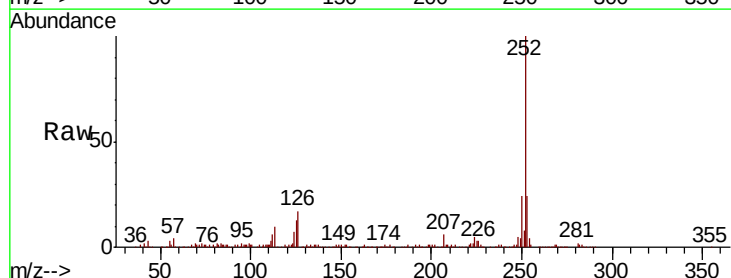
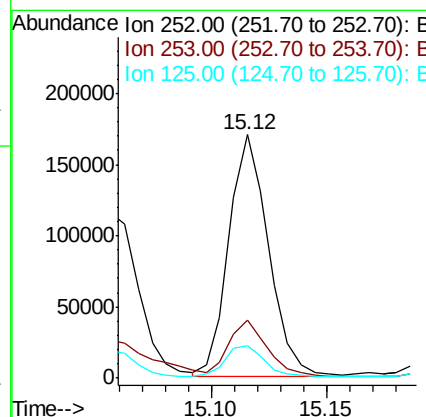
RT: 15.12 min Scan# 2215

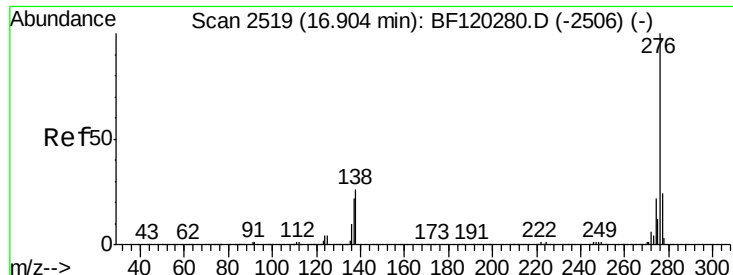
Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Tgt Ion:	252	Resp:	203836
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.6	26.4
125	13.2	10.6	16.0





#92
 Benzo(a,h,i)perylene
 Concen: 3.359 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF120298.D
 Acq: 14 May 2020 18:42

Instrument :
 BNA_F
 ClientSampleId :
 239992

Tot Ion:	276	Resp:	107985
Ion Ratio	Lower	Upper	
276	100		
277	22.3	19.1	28.7
138	22.5	20.8	31.2

Manual Integrations
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