

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120079.D
 Acq On : 20 Apr 2020 15:56
 Operator : MA/SJ
 Sample : L2314-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-7-2

Manual Integrations
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 4/21/2020 2:54:43 PM

Quant Time: Apr 20 16:52:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 14:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	167134	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	641924	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	316472	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	582839	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	393267	20.00	ng	-0.01
87) Perylene-d12	15.31	264	366774	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	974433	100.76	ng	0.00
7) Phenol-d6	6.36	99	1390315	111.57	ng	0.00
23) Nitrobenzene-d5	7.28	82	925894	74.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	372557	96.15	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1802547	80.87	ng	0.00
79) Terphenyl-d14	12.84	244	1814813	77.65	ng	0.00
Target Compounds						
31) Naphthalene	8.02	128	82753	2.450	ng	99
50) Dimethylphthalate	9.47	163	381651	15.591	ng	99
71) Phenanthrene	11.26	178	94216	3.037	ng	99
75) Fluoranthene	12.45	202	117609	3.514	ng	97
78) Pyrene	12.68	202	125603	3.789	ng	99
81) Benzo(a)anthracene	13.87	228	70413m	2.722	ng	
83) Chrysene	13.91	228	69008	2.625	ng	97
86) Indeno(1,2,3-cd)pyrene	16.69	276	60060	2.592	ng	97
88) Benzo(b)fluoranthene	14.90	252	93216m	3.533	ng	
90) Benzo(a)pyrene	15.24	252	73673	3.321	ng	# 96
92) Benzo(g,h,i)perylene	17.10	276	63662	3.282	ng	# 90

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

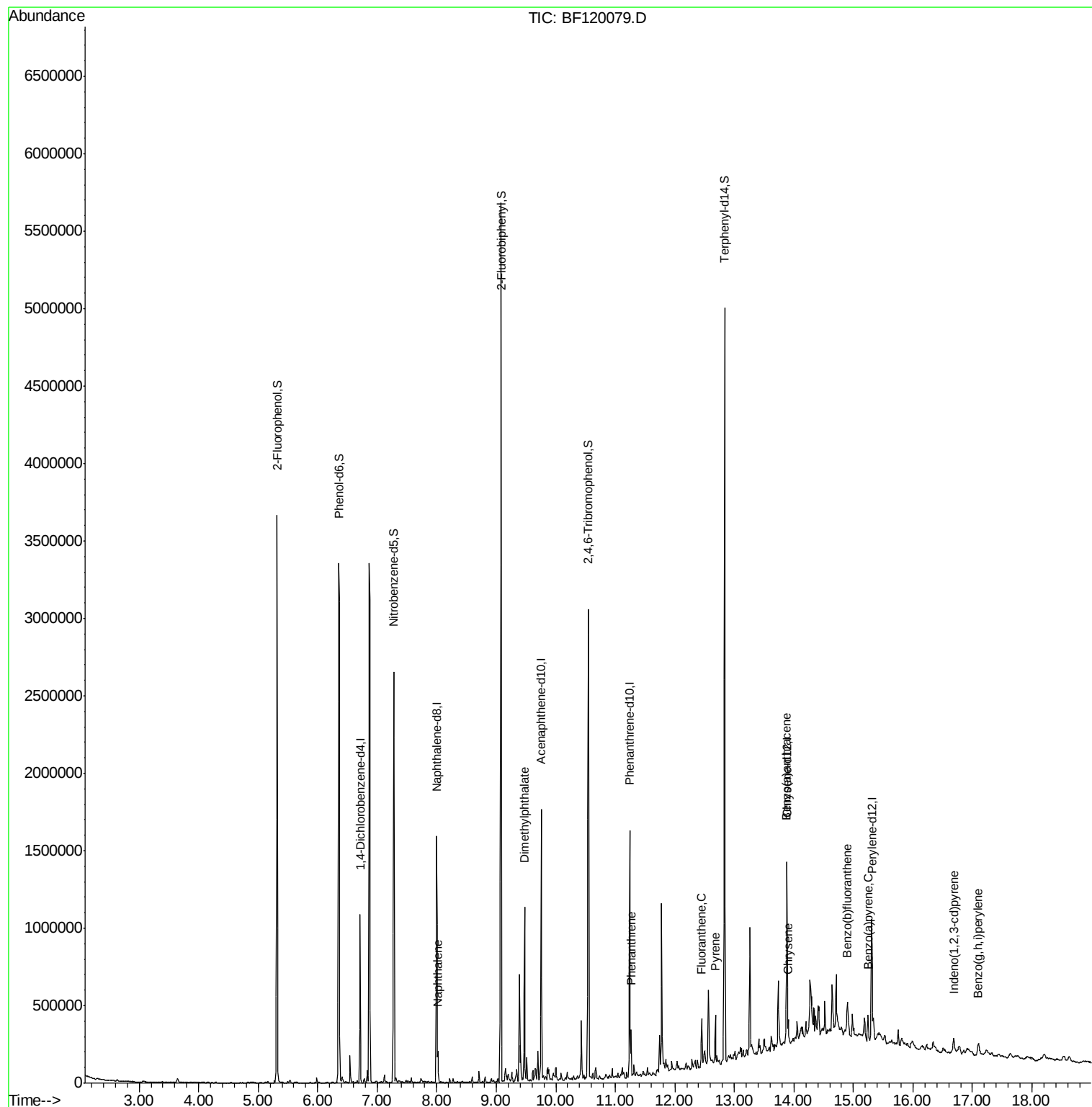
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
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Operator : MA/SJ
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Misc :
ALS Vial : 8 Sample Multiplier: 1

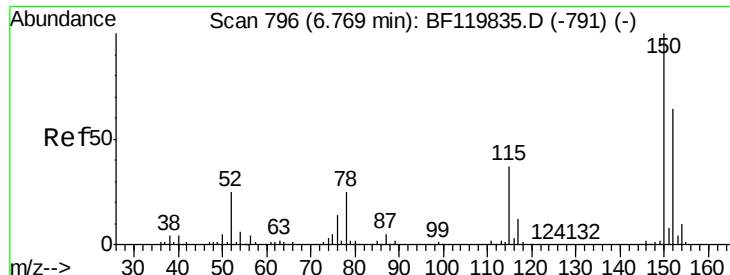
Instrument :
BNA_F
ClientSampleId :
WB-7-2

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#1

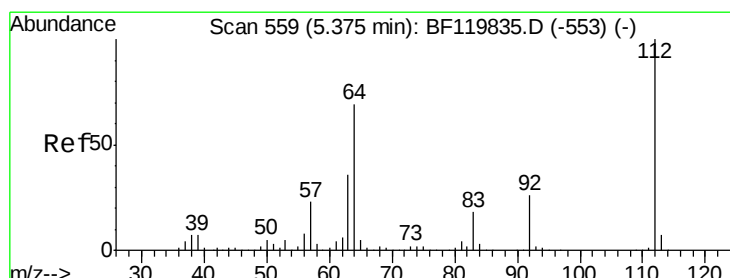
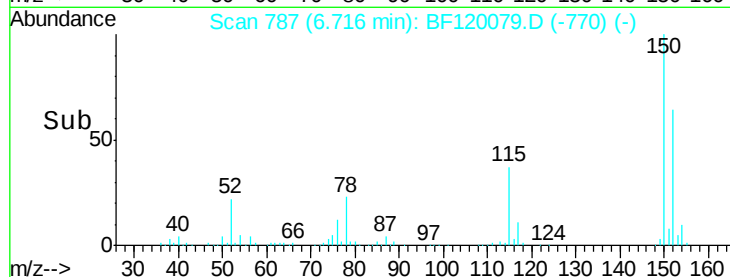
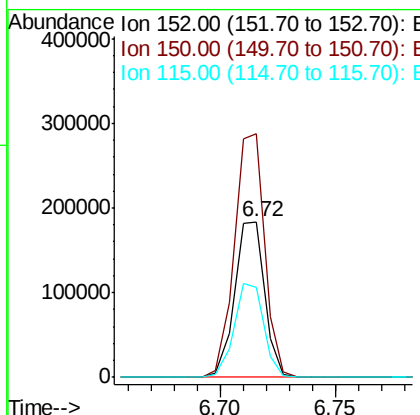
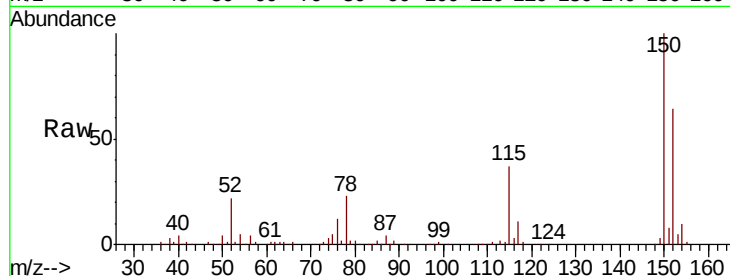
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampleId :
WB-7-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.8	187.2
115	57.5	46.5	69.7

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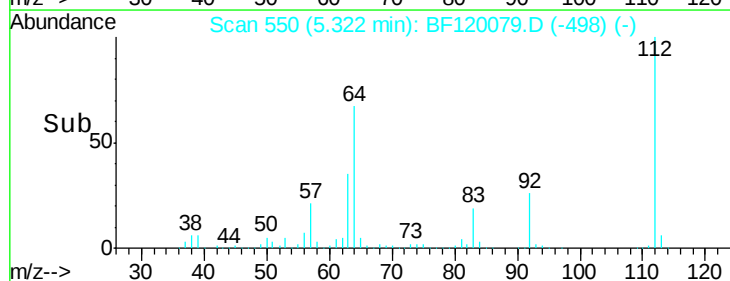
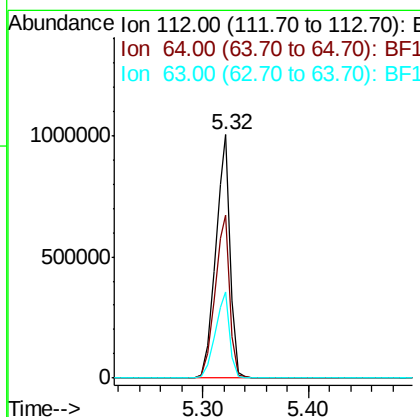
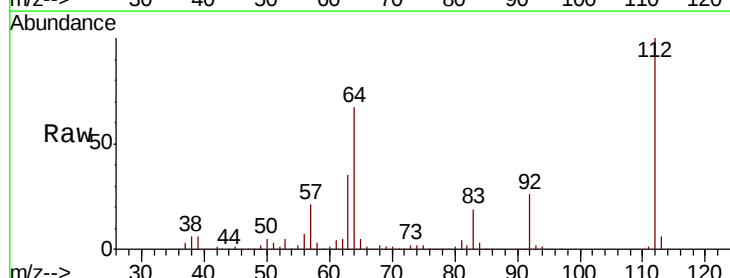
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#5

2-Fluorophenol
Concen: 100.757 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	55.5	83.3
63	35.2	29.1	43.7





#7

Phenol-d6

Concen: 111.567 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

ClientSampleId :

WB-7-2

Tot Ion: 99 Resp: 1390315

Ion Ratio Lower Upper

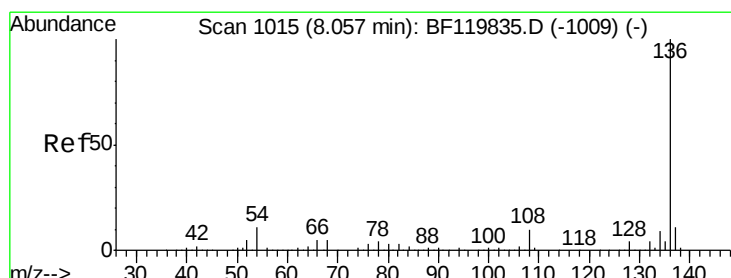
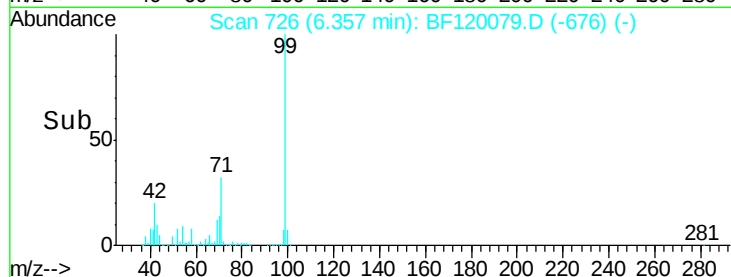
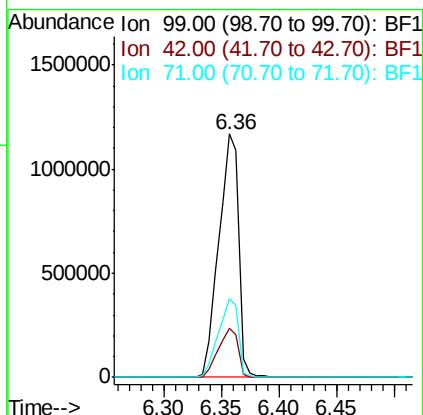
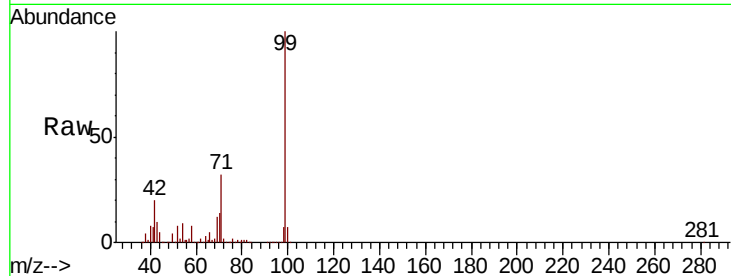
99 100

42 20.4 16.9 25.3

71 32.1 26.3 39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Tgt Ion: 136 Resp: 641924

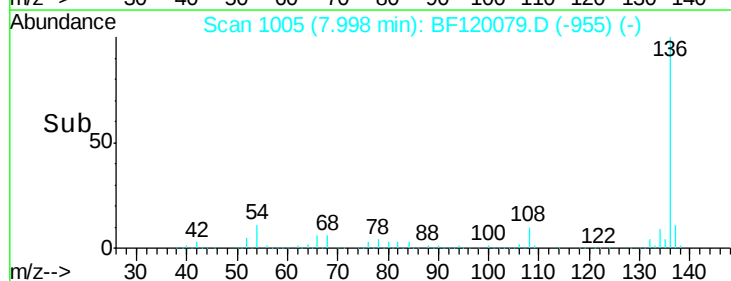
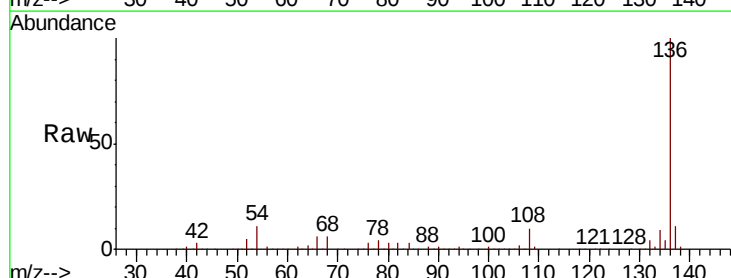
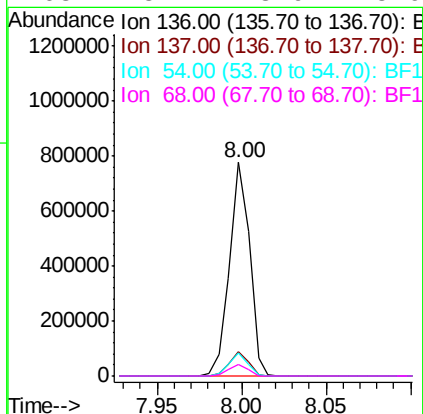
Ion Ratio Lower Upper

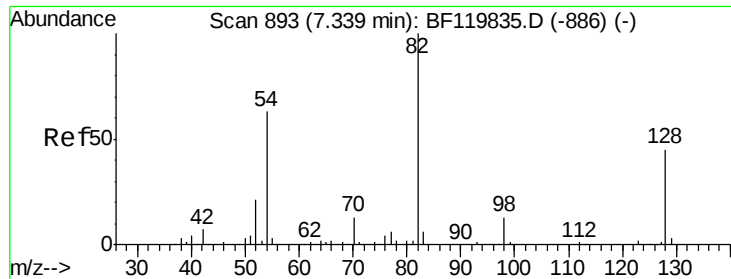
136 100

137 11.4 8.7 13.1

54 10.9 8.5 12.7

68 5.7 3.9 5.9





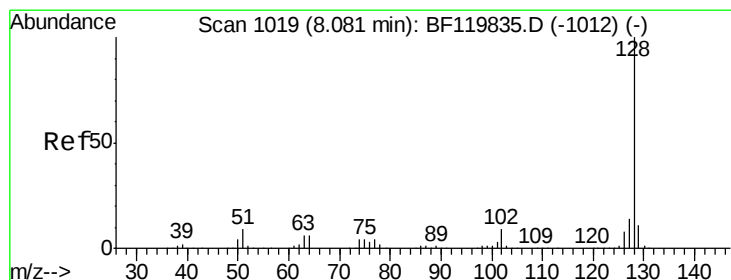
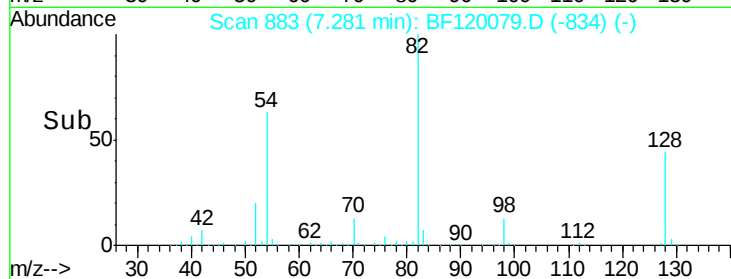
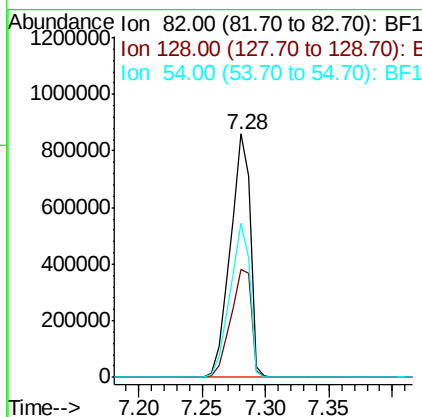
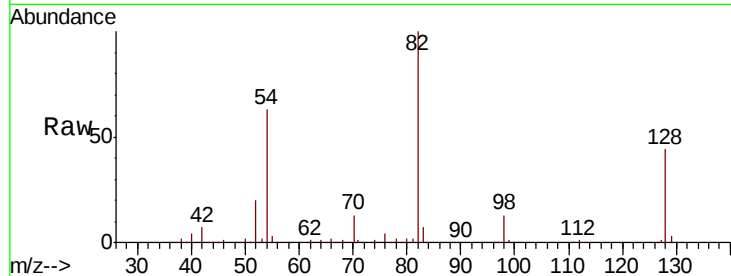
#23
Nitrobenzene-d5
Concen: 74.619 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampled :
WB-7-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	36.2	54.4	
54	63.2	50.4	75.6	

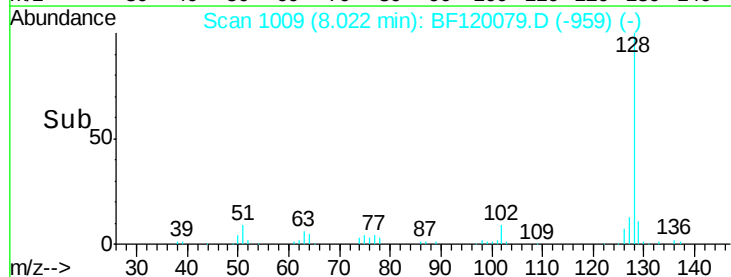
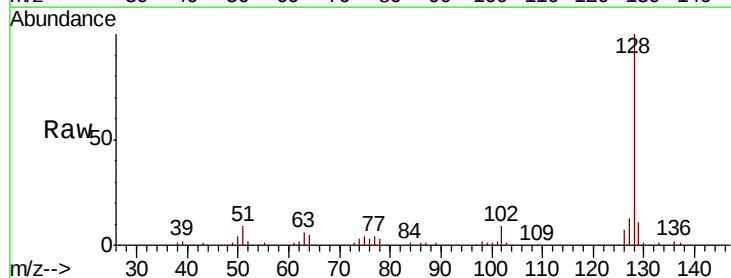
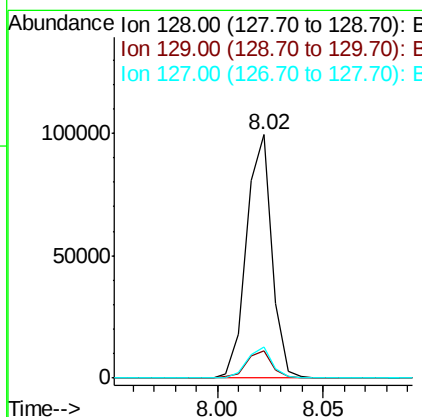
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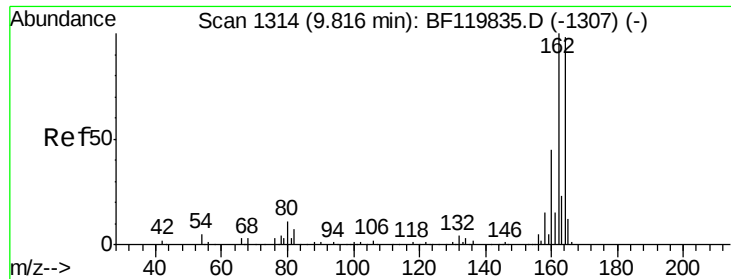
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#31
Naphthalene
Concen: 2.450 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	9.0	13.6	
127	12.8	11.0	16.4	





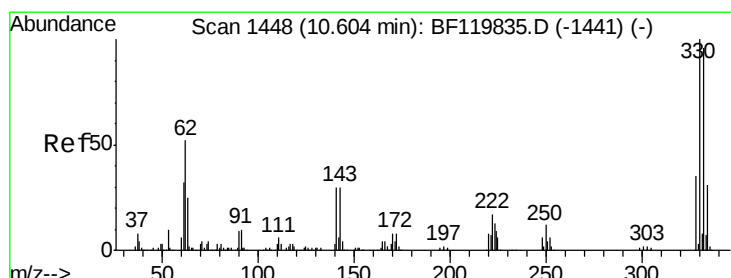
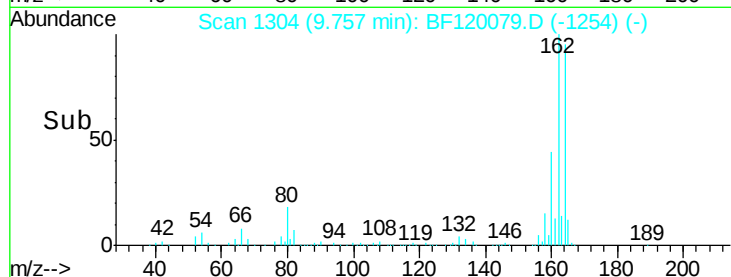
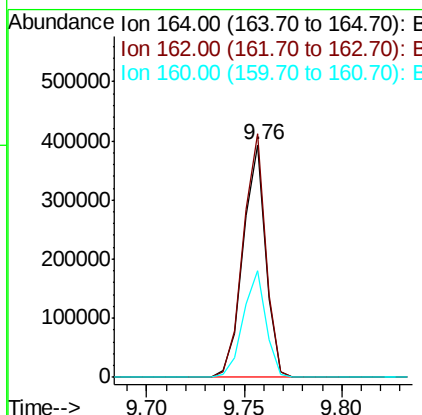
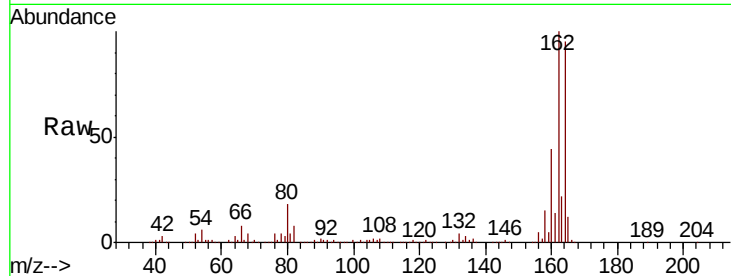
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF120079.D
 Acq: 20 Apr 2020 15:56

Instrument :
 BNA_F
 ClientSampled :
 WB-7-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.9	81.9	122.9	
160	45.8	36.6	54.8	

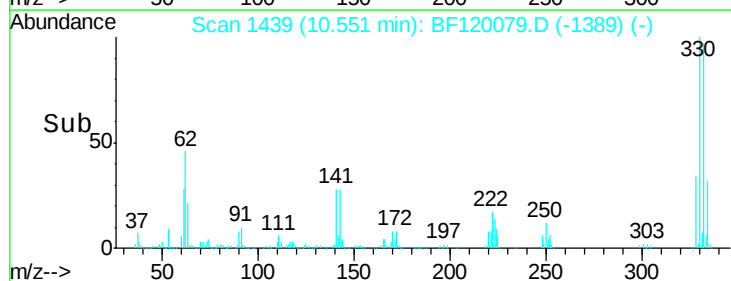
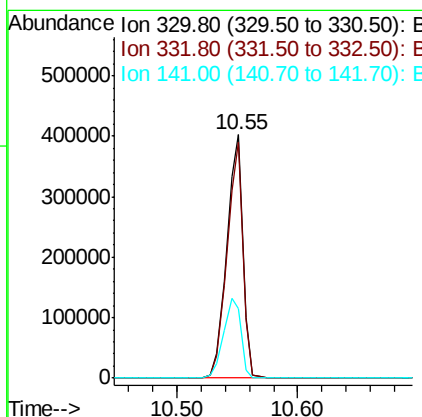
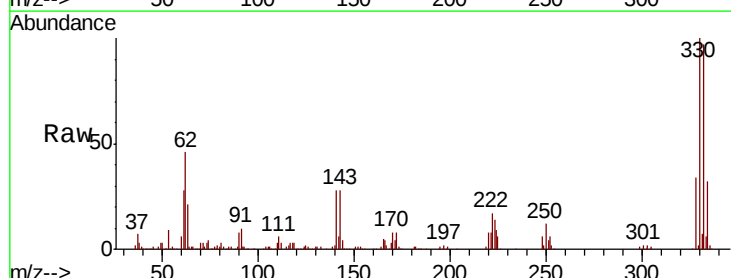
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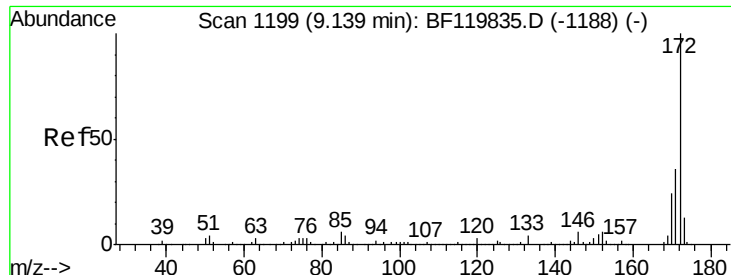
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#42
 2,4,6-Tribromophenol
 Concen: 96.151 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120079.D
 Acq: 20 Apr 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	76.8	115.2	
141	35.3	25.1	37.7	





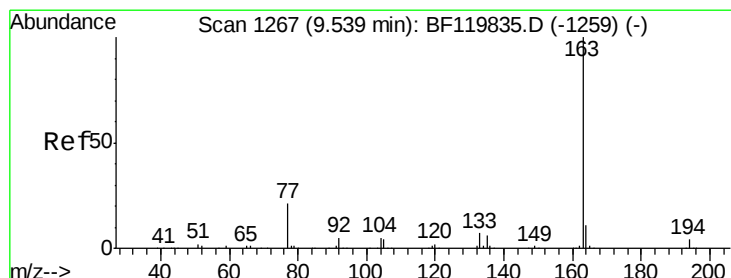
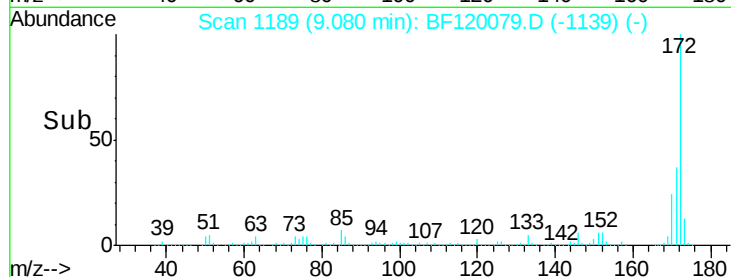
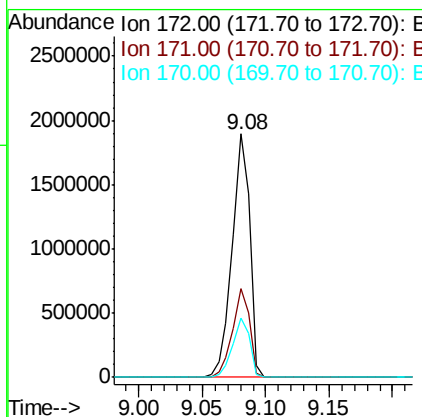
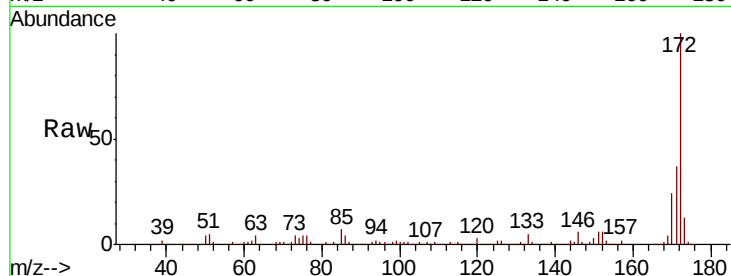
#45
2-Fluorobiphenyl
Concen: 80.867 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampleId :
WB-7-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.3	19.4	29.2

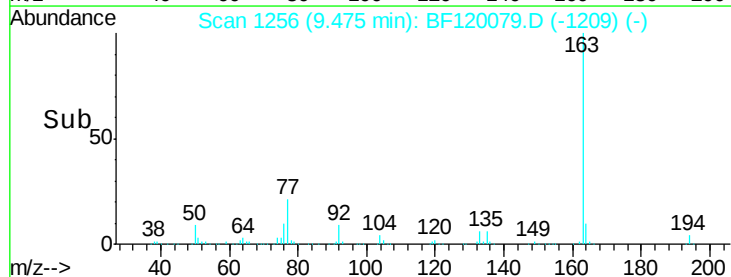
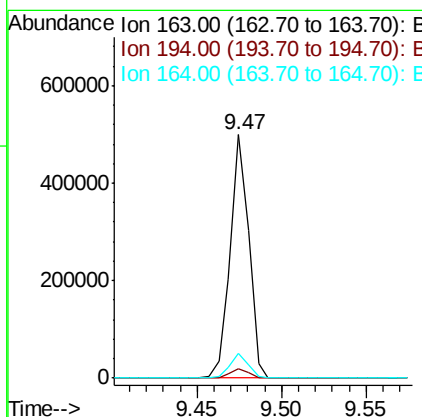
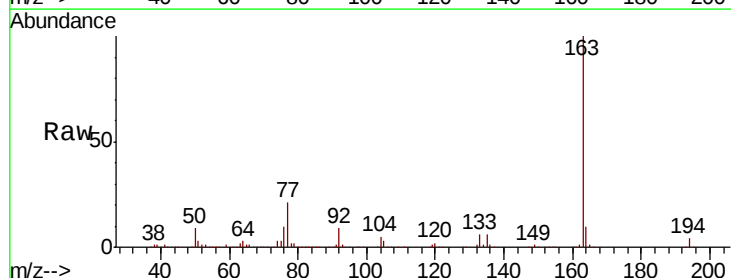
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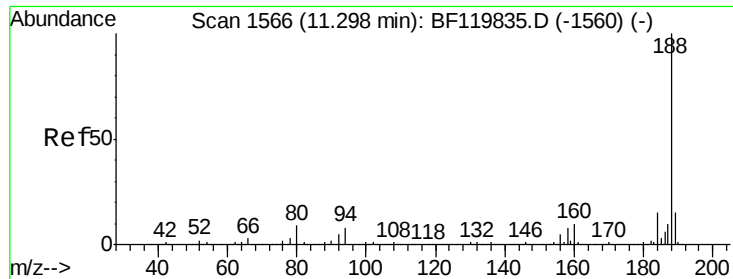
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#50
Dimethylphthalate
Concen: 15.591 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.0	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

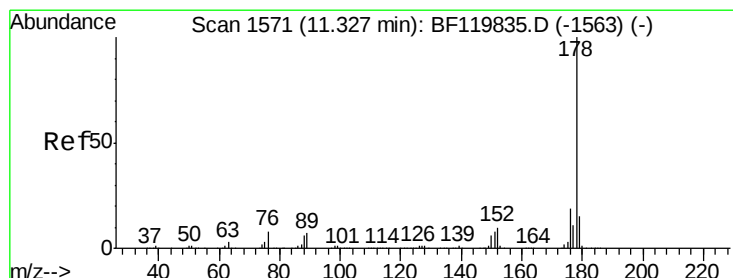
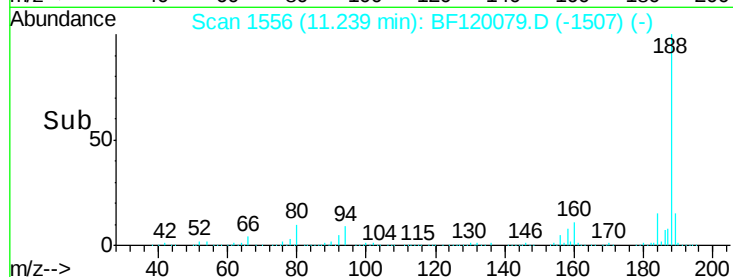
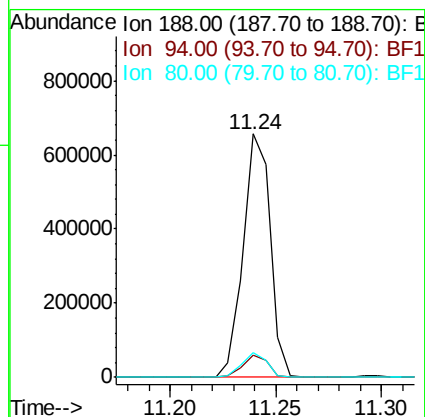
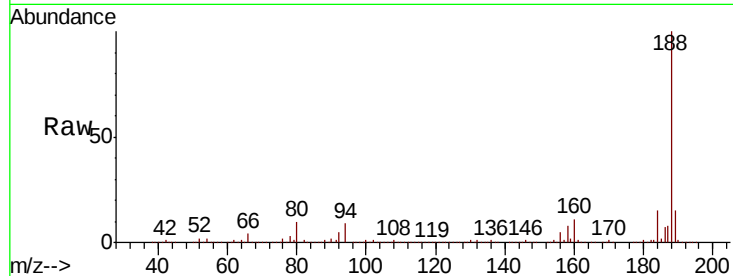
ClientSampleId :

WB-7-2

Tot Ion:	188	Resp:	582839
Ion Ratio	Lower	Upper	
188	100		
94	9.2	6.7	10.1
80	10.2	7.4	11.2

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#71

Phenanthrene

Concen: 3.037 ng

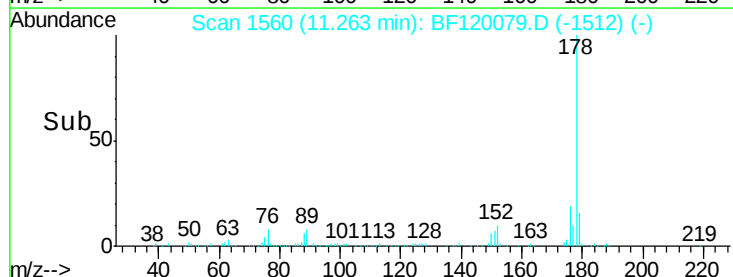
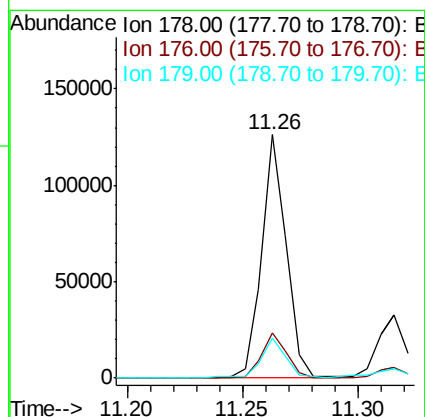
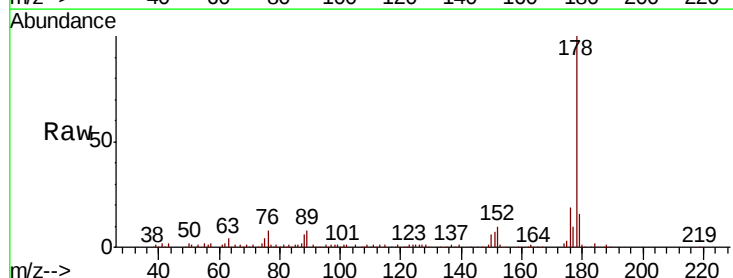
RT: 11.26 min Scan# 1560

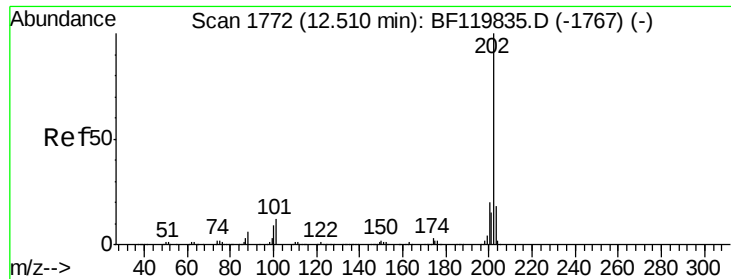
Delta R.T. -0.02 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Tgt Ion:	178	Resp:	94216
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.1	22.7
179	16.3	12.2	18.4





#75

Fluoranthene

Concen: 3.514 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

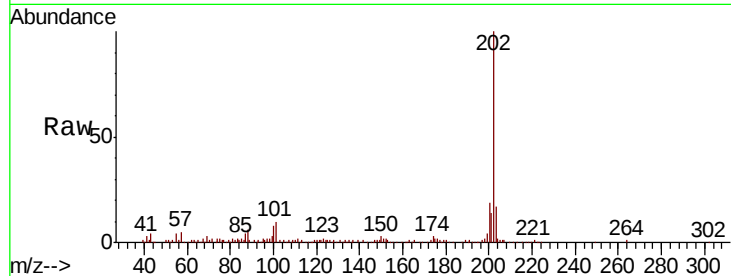
ClientSampleId :

WB-7-2

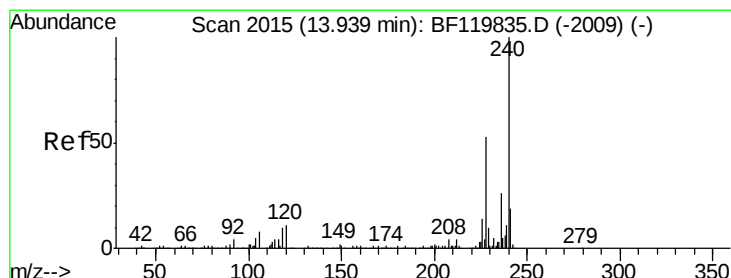
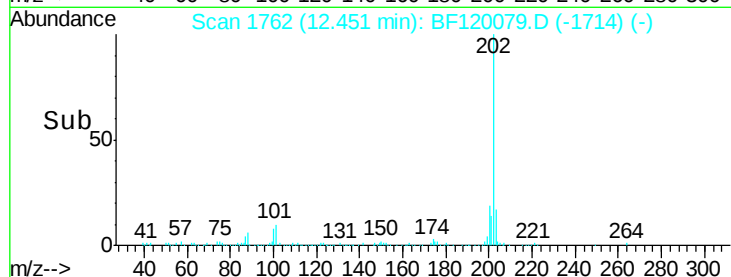
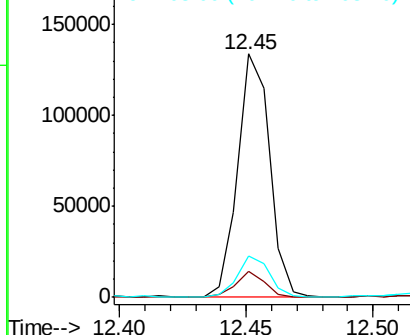
Tot Ion:	202	Resp:	117609
Ion Ratio		Lower	Upper
202	100		
101	10.5	0.0	32.3
203	17.1	0.0	37.6

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

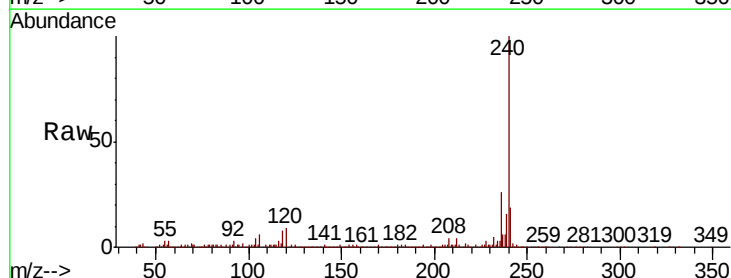
RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

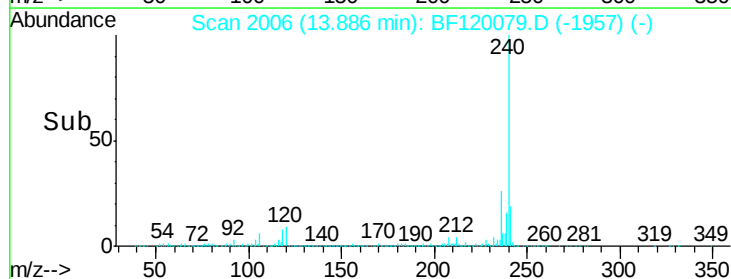
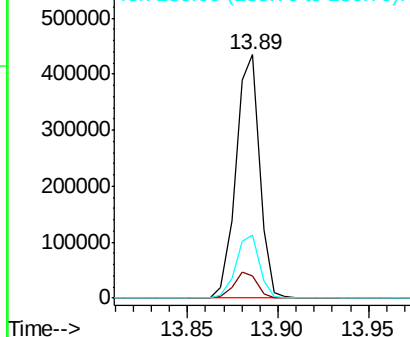
Lab File: BF120079.D

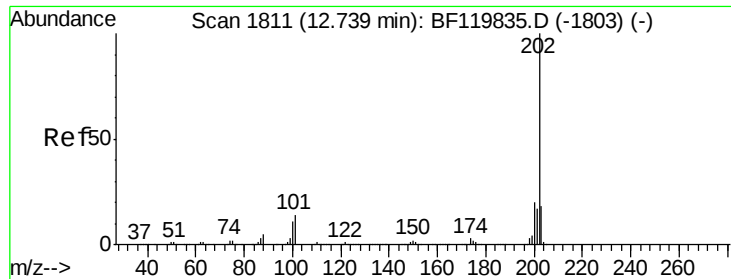
Acq: 20 Apr 2020 15:56

Tgt Ion:	240	Resp:	393267
Ion Ratio		Lower	Upper
240	100		
120	9.3	9.0	13.6
236	25.8	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





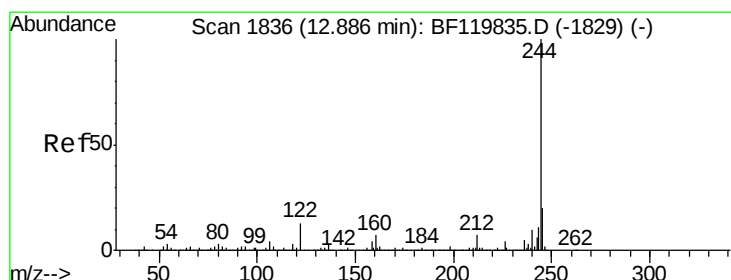
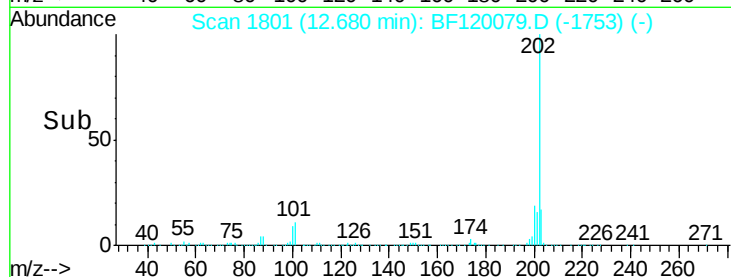
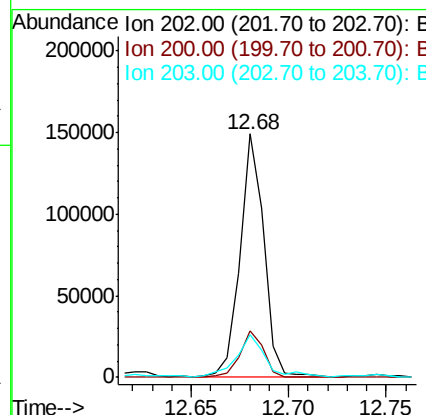
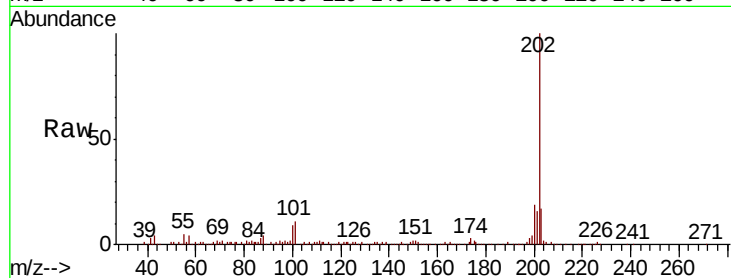
#78
Pvrene
Concen: 3.789 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampleId :
WB-7-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	125603		
200	19.2		16.2	24.2
203	17.3		14.1	21.1

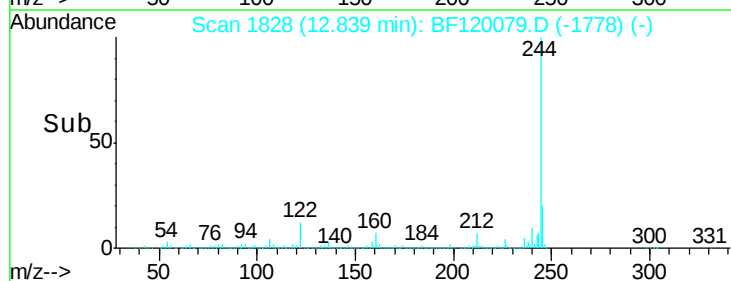
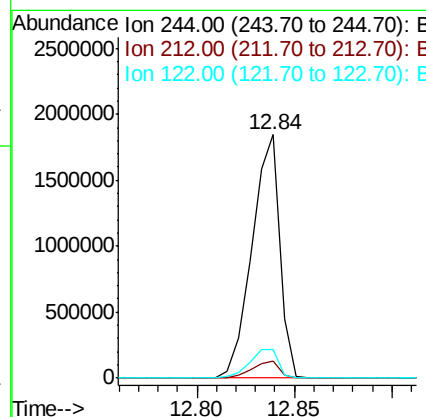
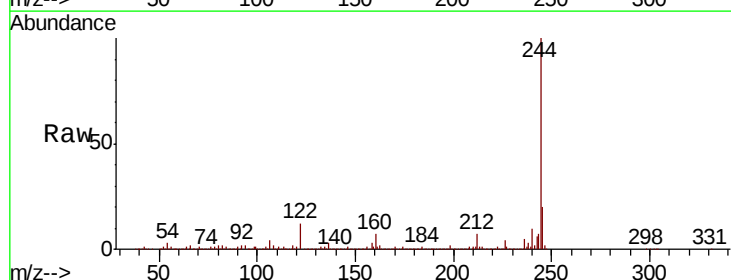
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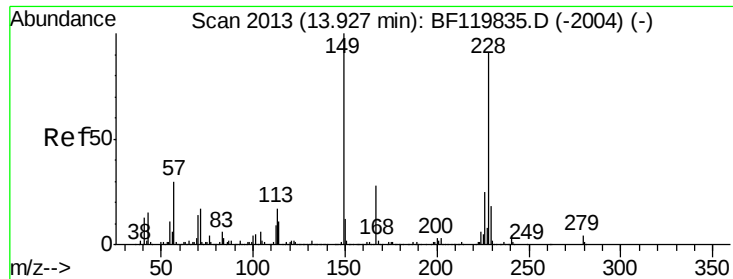
mohammad
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#79
Terphenyl-d14
Concen: 77.650 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1814813		
212	6.9		5.4	8.0
122	12.0		10.3	15.5





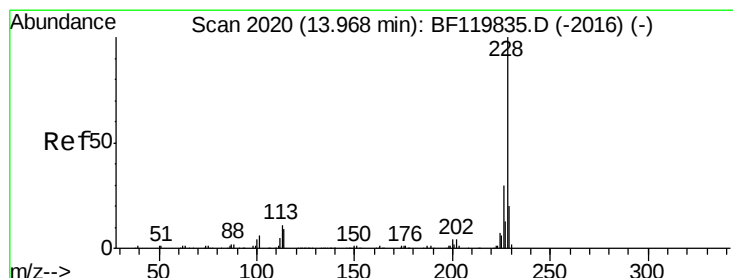
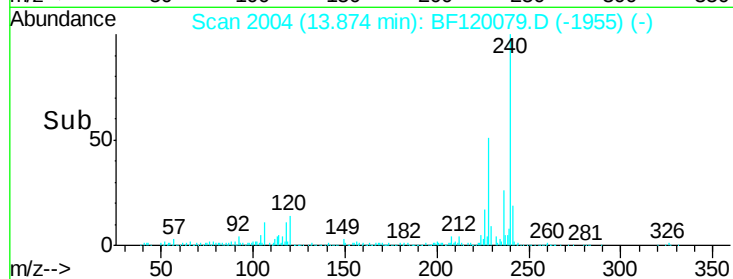
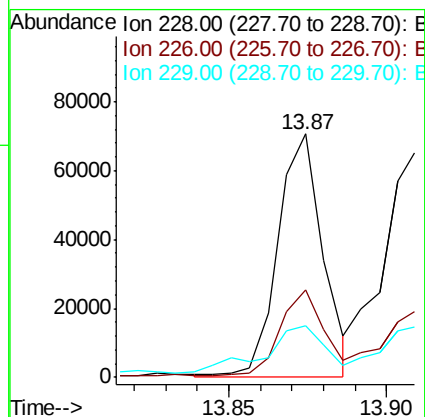
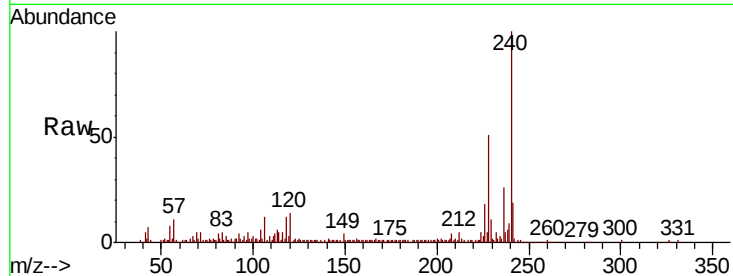
#81
Benzo(a)anthracene
Concen: 2.722 ng m
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampleId :
WB-7-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.7	21.9	32.9#
229	21.2	15.9	23.9

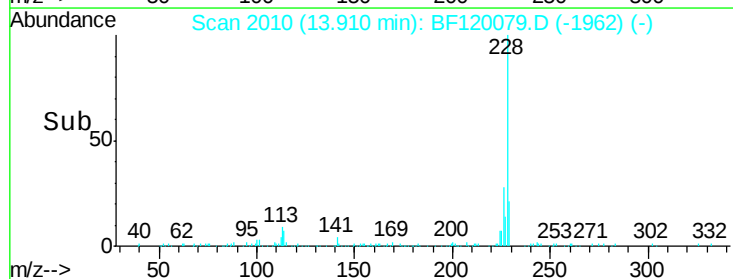
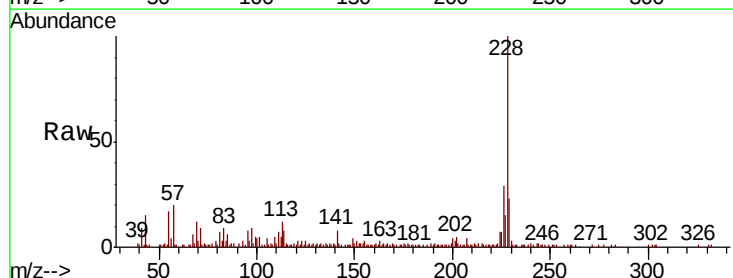
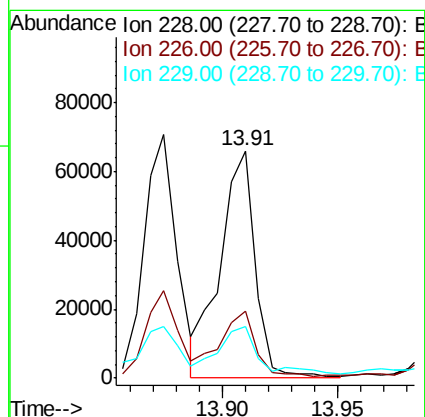
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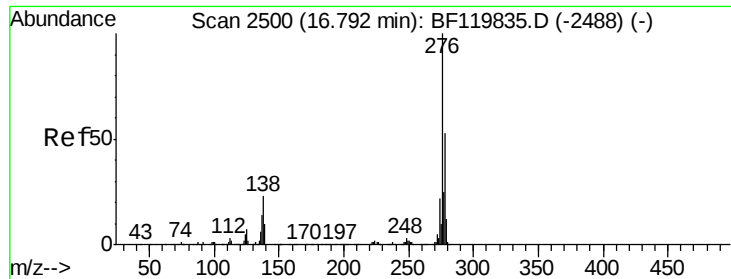
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#83
Chrysene
Concen: 2.625 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.2
229	22.6	15.9	23.9





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.592 ng

RT: 16.69 min Scan# 2482

Delta R.T. -0.04 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

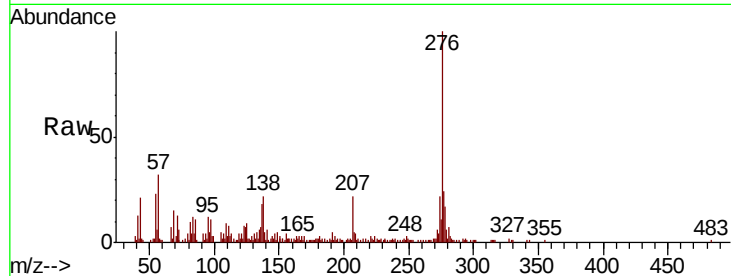
ClientSampleId :

WB-7-2

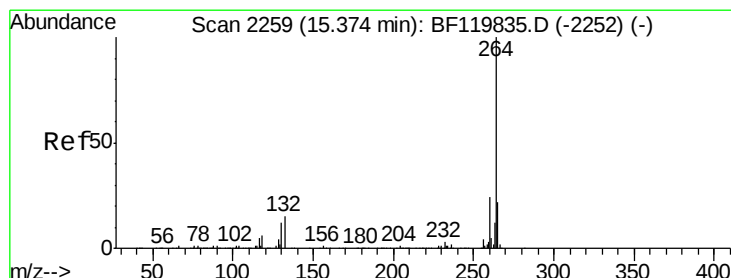
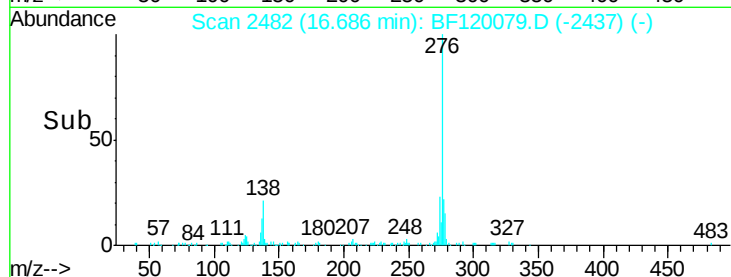
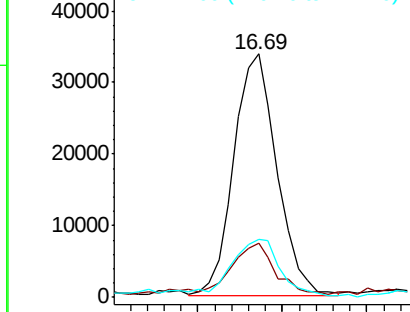
Tot Ion:	276	Resp:	60060
Ion Ratio	Lower	Upper	
276	100		
138	22.6	18.0	27.0
277	28.0	20.1	30.1

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

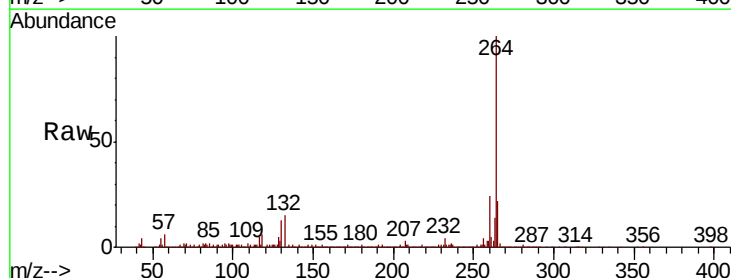
RT: 15.31 min Scan# 2248

Delta R.T. -0.01 min

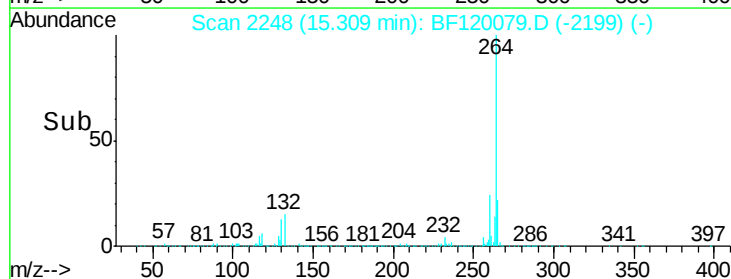
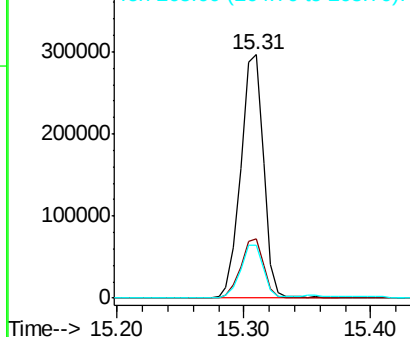
Lab File: BF120079.D

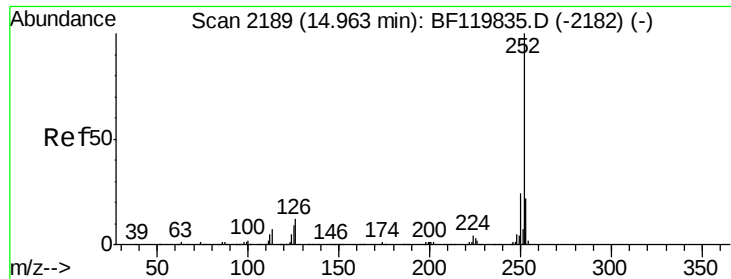
Acq: 20 Apr 2020 15:56

Tgt Ion:	264	Resp:	366774
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.3	28.9
265	21.9	17.6	26.4



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





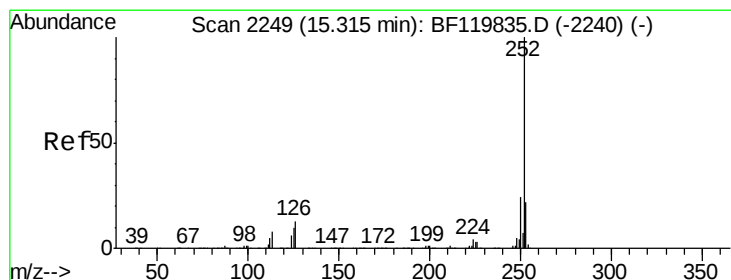
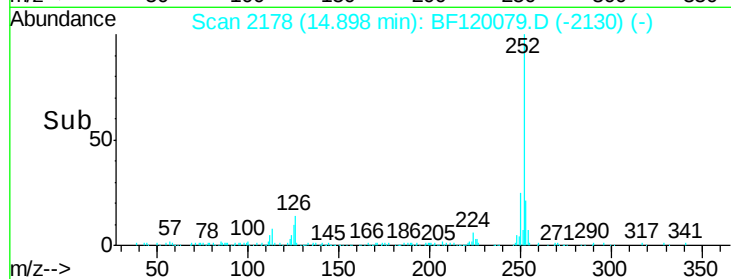
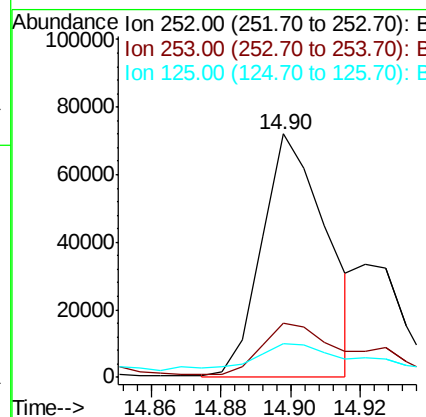
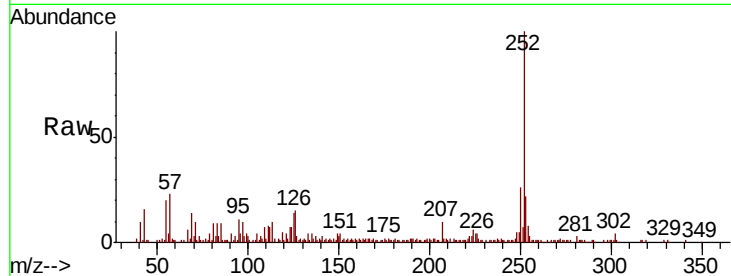
#88
Benzo(b)fluoranthene
Concen: 3.533 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampleId :
WB-7-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	13.8	7.4	11.2

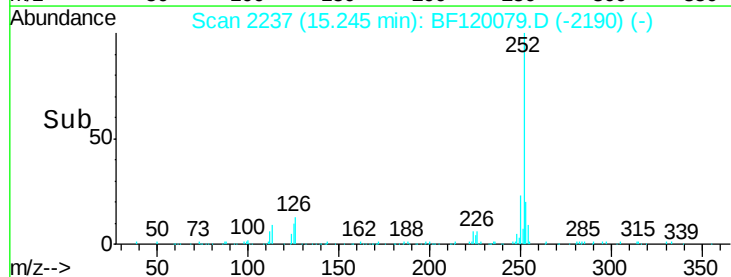
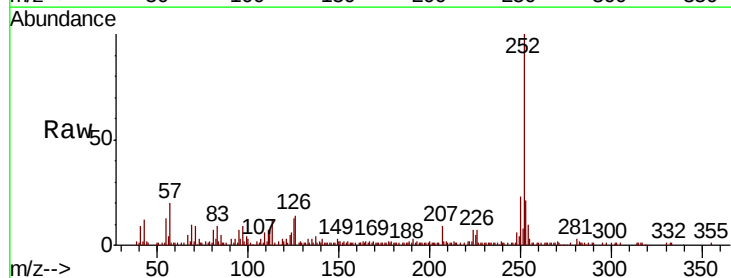
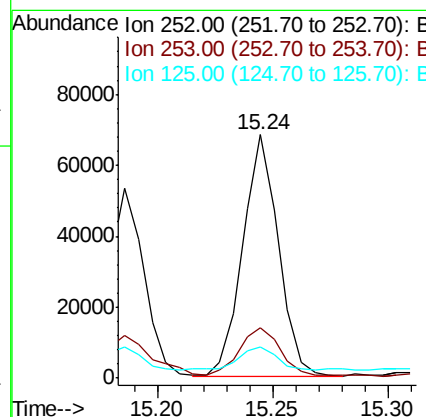
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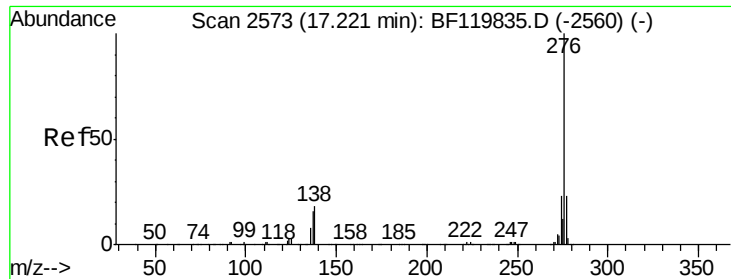
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#90
Benzo(a)pyrene
Concen: 3.321 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.4	26.2
125	12.6	8.3	12.5





#92
 Benzo(a,h,i)perylene
 Concen: 3.282 ng
 RT: 17.10 min Scan# 2552
 Delta R.T. -0.05 min
 Lab File: BF120079.D
 Acq: 20 Apr 2020 15:56

Instrument :
 BNA_F
 ClientSampleId :
 WB-7-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.5	27.7
138	26.6	14.6	22.0

Manual Integrations
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