

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
 Data File : BF120204.D
 Acq On : 24 Apr 2020 16:08
 Operator : MA/SJ
 Sample : L2394-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Manual Integrations
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mohammad
 4/27/2020 3:04:49 PM

Quant Time: Apr 24 17:07:34 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 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	142287	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	529724	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	242293	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	385070	20.00	ng	0.00
76) Chrysene-d12	13.82	240	268365	20.00	ng	0.00
87) Perylene-d12	15.22	264	233766	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	941412	114.34	ng	0.00
7) Phenol-d6	6.32	99	1206781	113.75	ng	0.00
23) Nitrobenzene-d5	7.23	82	748812	73.13	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	248057	83.62	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1408705	82.55	ng	0.00
79) Terphenyl-d14	12.77	244	1117596	70.07	ng	0.00
Target Compounds						
49) Acenaphthylene	9.56	152	48443	2.022	ng	98
50) Dimethylphthalate	9.42	163	186146	9.933	ng	99
71) Phenanthrene	11.21	178	184508	9.003	ng	96
75) Fluoranthene	12.39	202	232899	10.532	ng	97
78) Pyrene	12.62	202	291987	12.906	ng	96
81) Benzo(a)anthracene	13.81	228	111376m	6.309	ng	
83) Chrysene	13.84	228	135101	7.531	ng	96
86) Indeno(1,2,3-cd)pyrene	16.57	276	47473	3.002	ng	96
88) Benzo(b)fluoranthene	14.83	252	129196m	7.683	ng	
89) Benzo(k)fluoranthene	14.85	252	33666m	2.320	ng	
90) Benzo(a)pyrene	15.16	252	91074	6.441	ng	99
92) Benzo(a,h,i)perylene	16.97	276	47325	3.828	ng	# 92

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

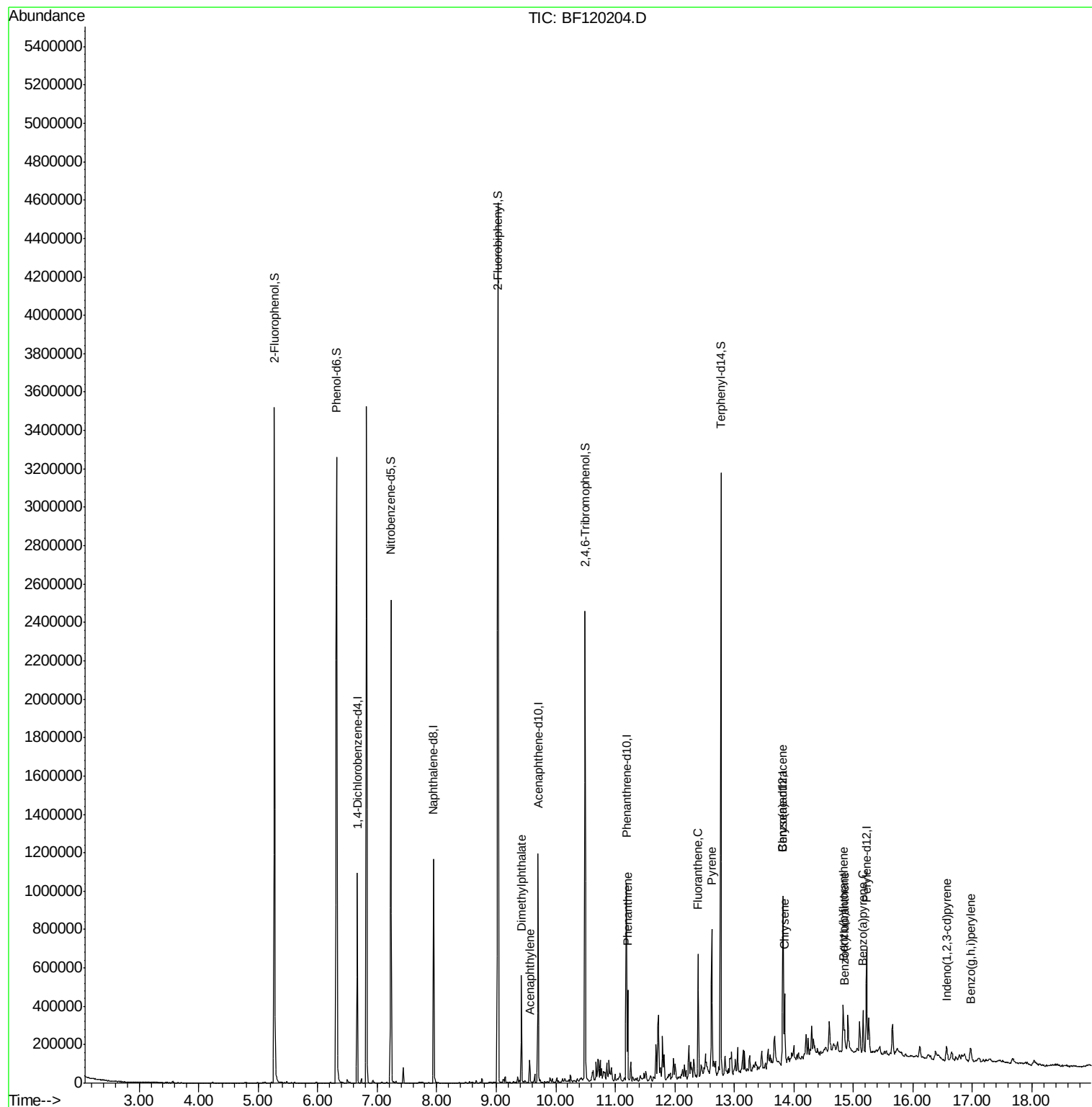
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120204.D
Acq On : 24 Apr 2020 16:08
Operator : MA/SJ
Sample : L2394-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

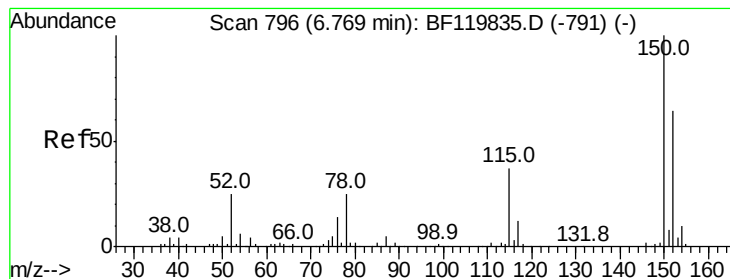
Instrument :
BNA_F
ClientSampleId :
B-1

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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

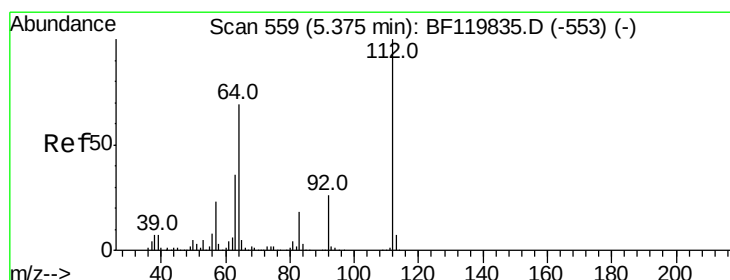
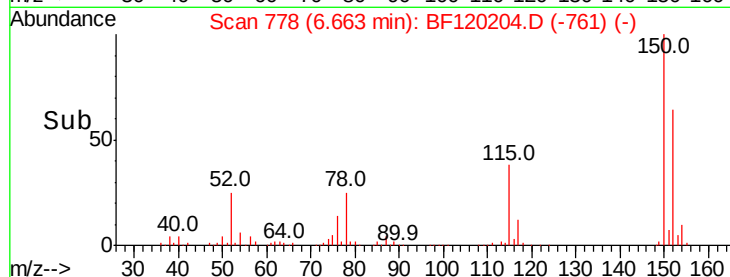
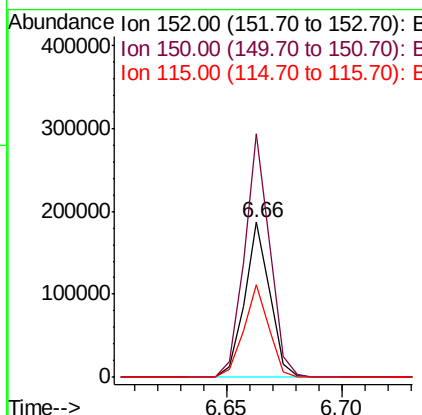
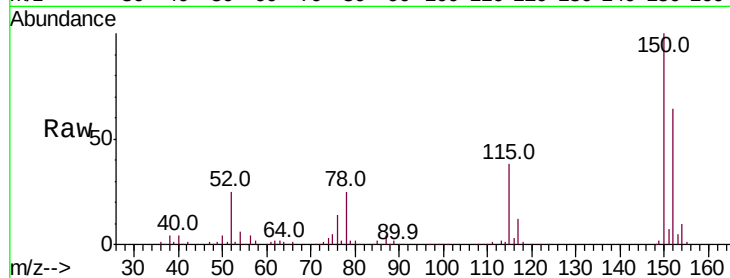
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.5	186.7
115	59.8	49.6	74.4

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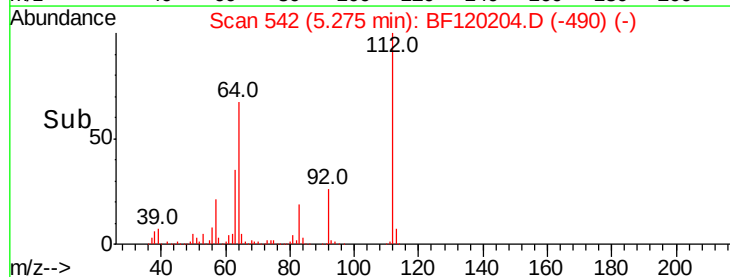
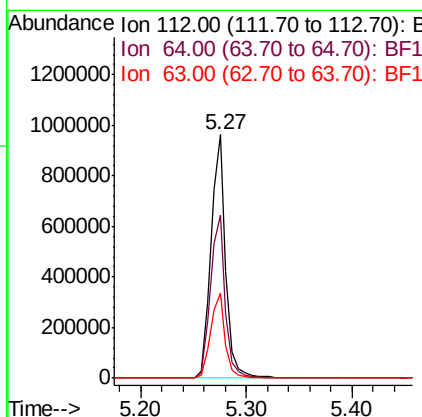
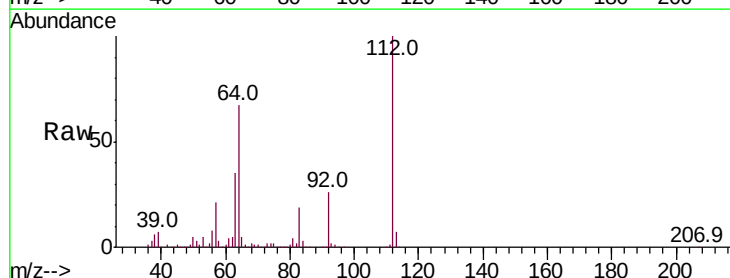
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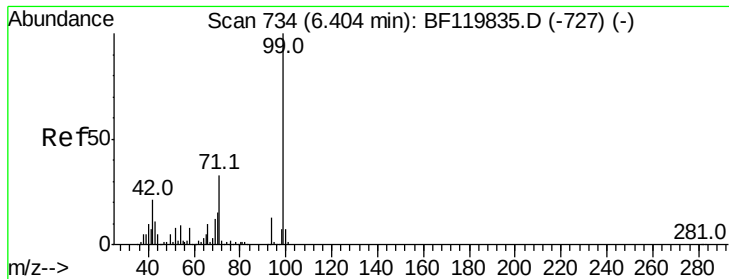


#5

2-Fluorophenol
Concen: 114.342 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	56.7	85.1
63	34.7	29.5	44.3





#7

Phenol-d6

Concen: 113.750 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120204.D

Acq: 24 Apr 2020 16:08

Instrument :

BNA_F

ClientSampled :

B-1

Tot Ion: 99 Resp: 1206781

Ion Ratio Lower Upper

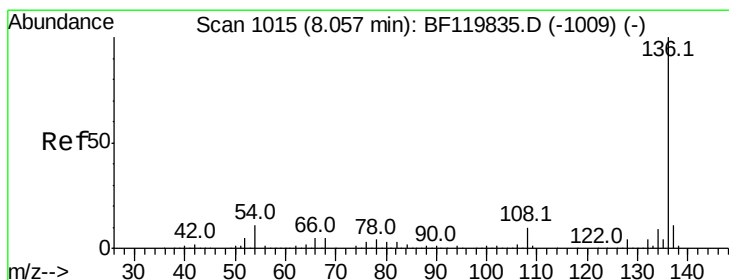
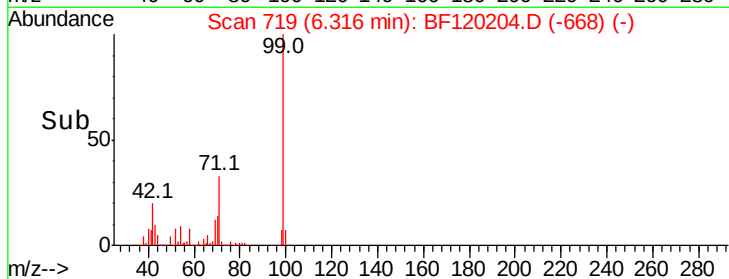
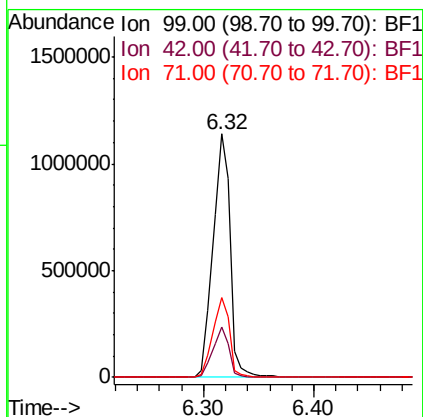
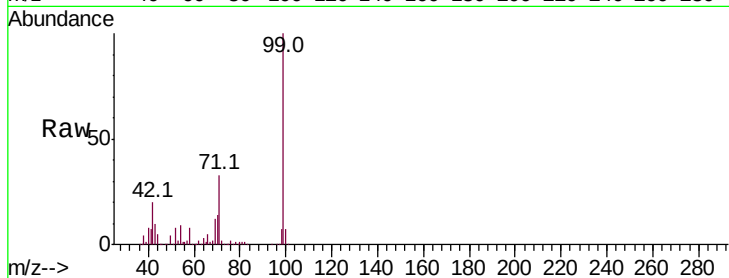
99 100

42 20.4 16.6 24.8

71 32.6 26.4 39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF120204.D

Acq: 24 Apr 2020 16:08

Tgt Ion: 136 Resp: 529724

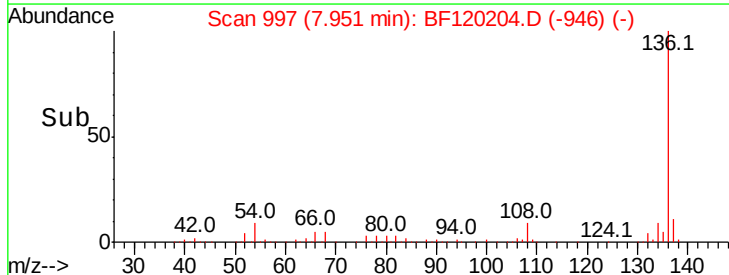
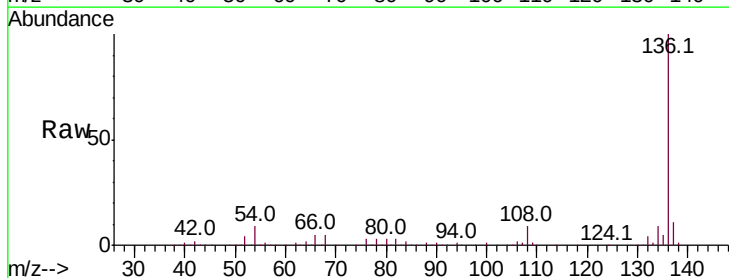
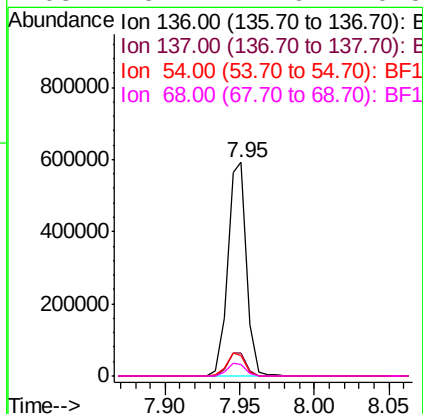
Ion Ratio Lower Upper

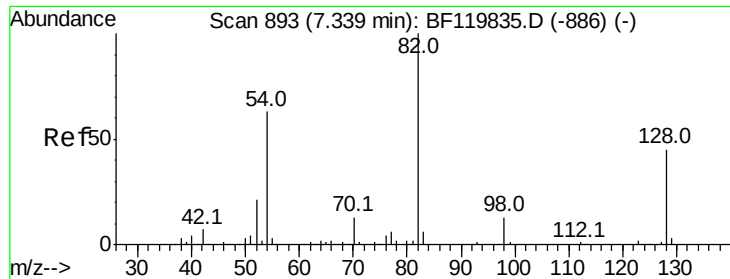
136 100

137 10.7 8.7 13.1

54 9.4 9.1 13.7

68 5.1 4.6 6.8





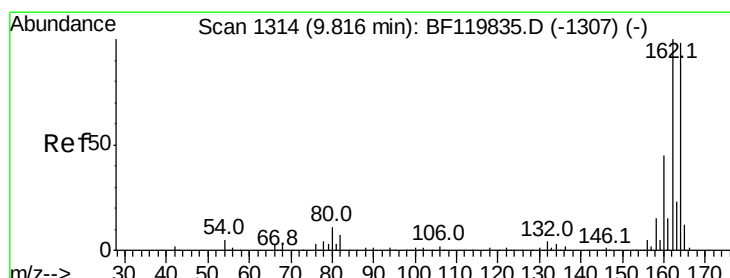
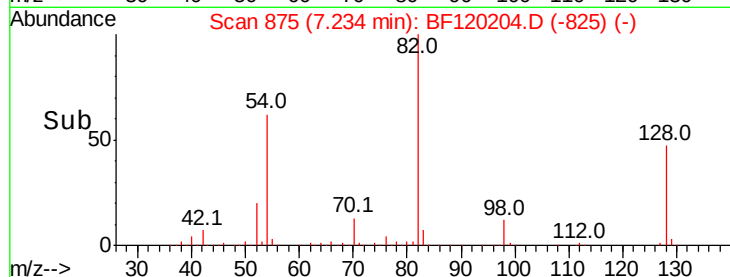
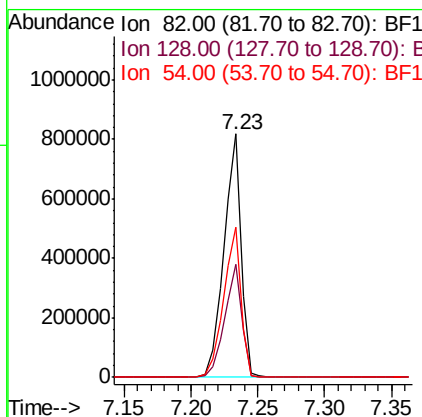
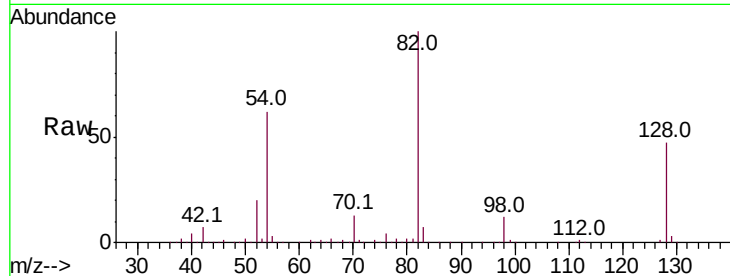
#23
 Nitrobenzene-d5
 Concen: 73.130 ng
 RT: 7.23 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: BF120204.D
 Acq: 24 Apr 2020 16:08

Instrument :
 BNA_F
 ClientSampled :
 B-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.3	54.5
54	61.6	50.6	75.8

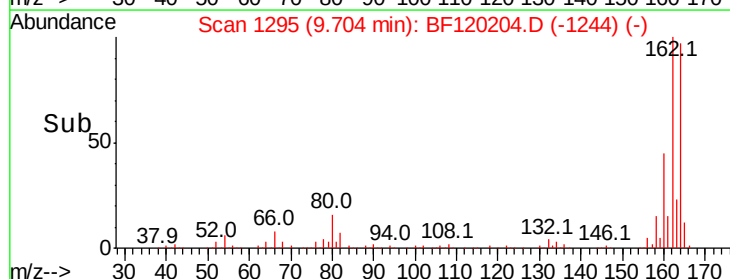
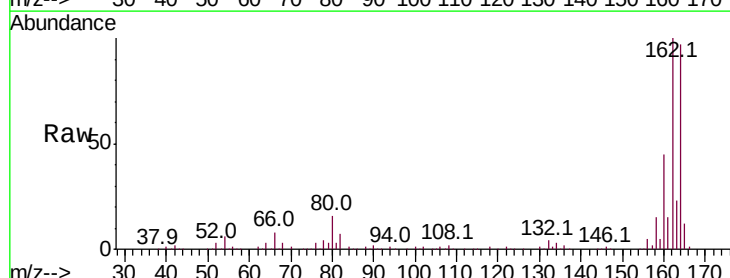
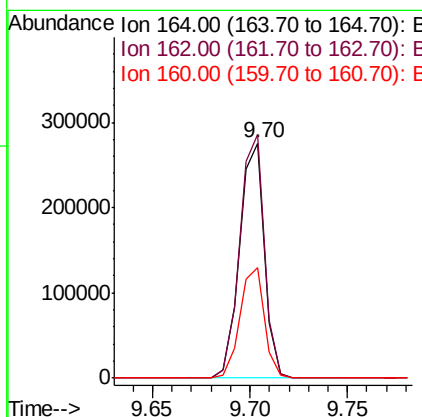
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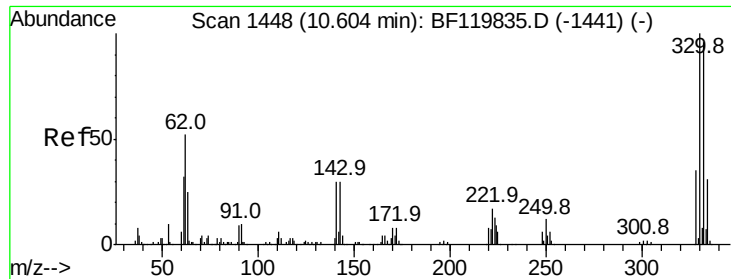
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: BF120204.D
 Acq: 24 Apr 2020 16:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	80.6	121.0
160	46.8	35.7	53.5





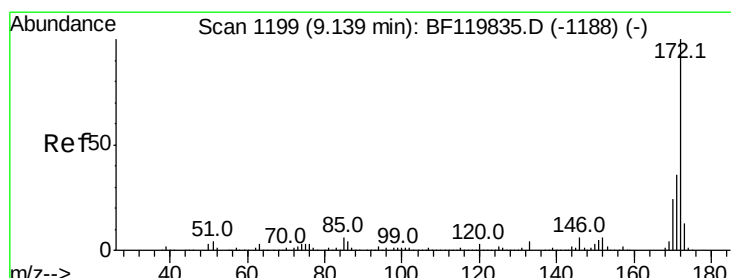
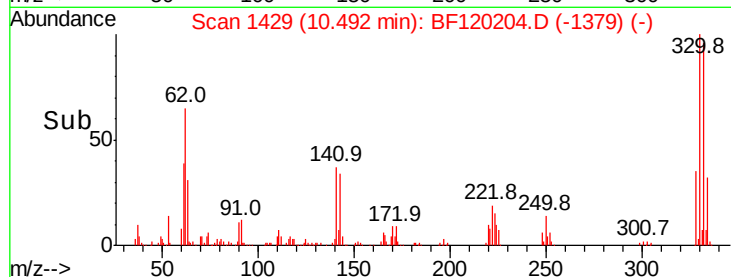
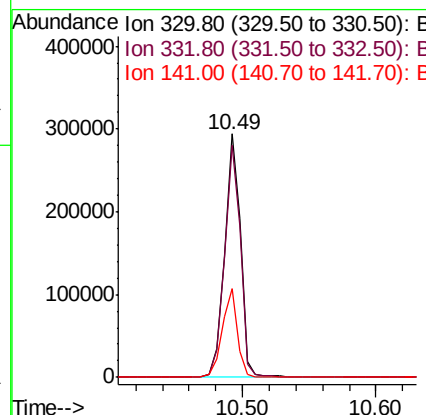
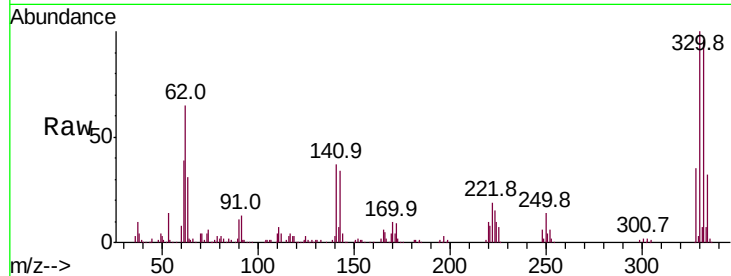
#42
 2,4,6-Tribromophenol
 Concen: 83.620 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120204.D
 Acq: 24 Apr 2020 16:08

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	248057		
332	95.8	75.7	113.5	
141	35.0	25.4	38.0	

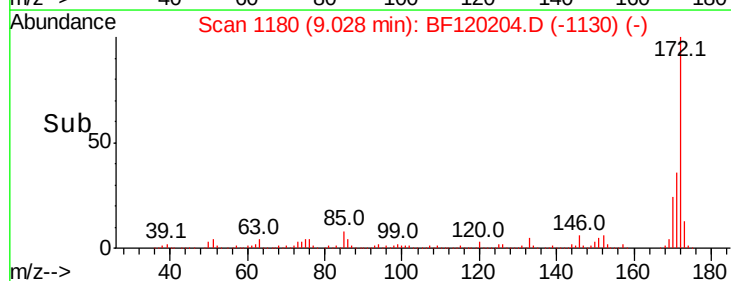
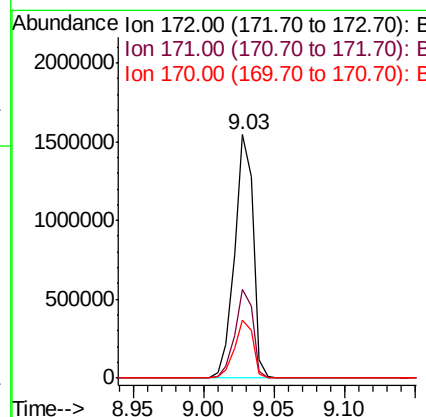
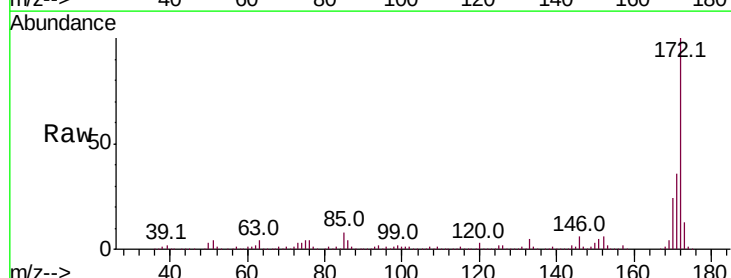
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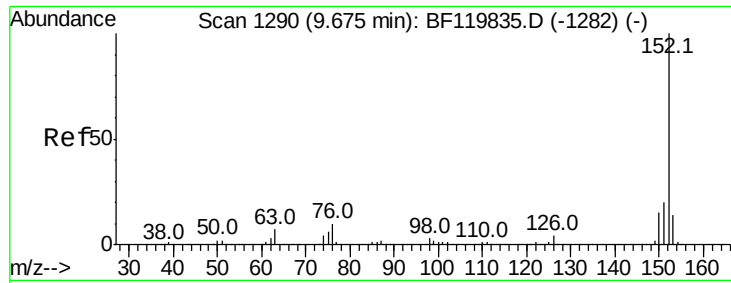
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#45
 2-Fluorobiphenyl
 Concen: 82.547 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120204.D
 Acq: 24 Apr 2020 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1408705		
171	36.3	29.6	44.4	
170	23.9	20.2	30.2	





#49

Acenaphthylene

Concen: 2.022 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF120204.D

Acq: 24 Apr 2020 16:08

Instrument :

BNA_F

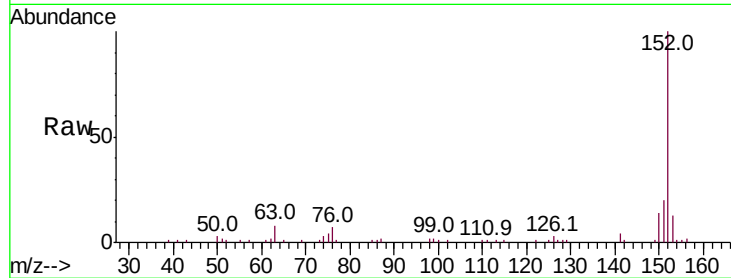
ClientSampled :

B-1

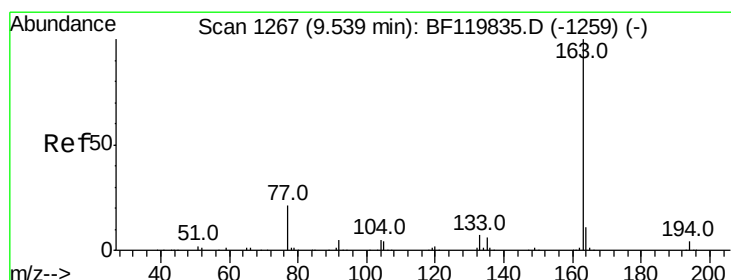
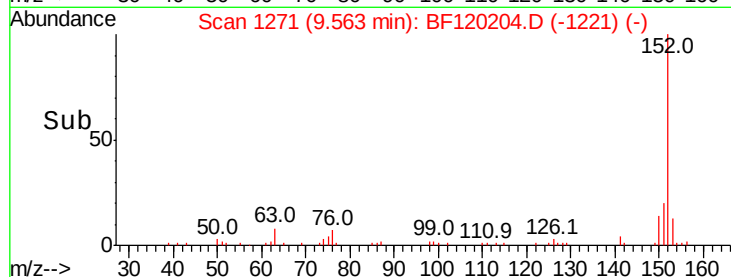
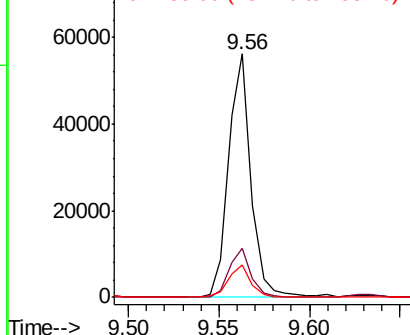
Tot Ion:	152	Resp:	48443
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.2	25.8
153	13.5	11.2	16.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.933 ng

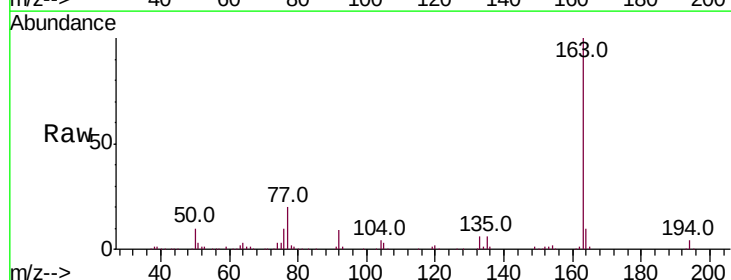
RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

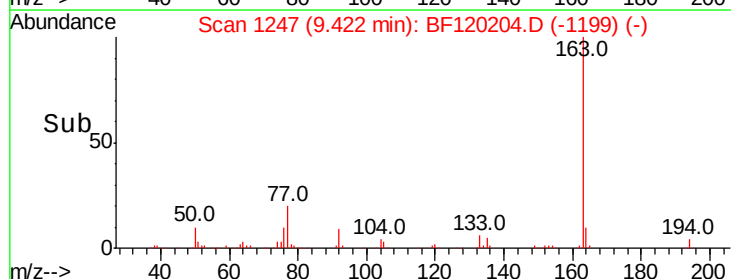
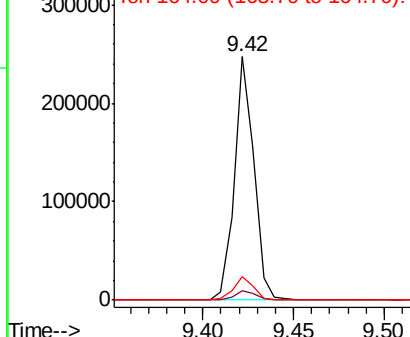
Lab File: BF120204.D

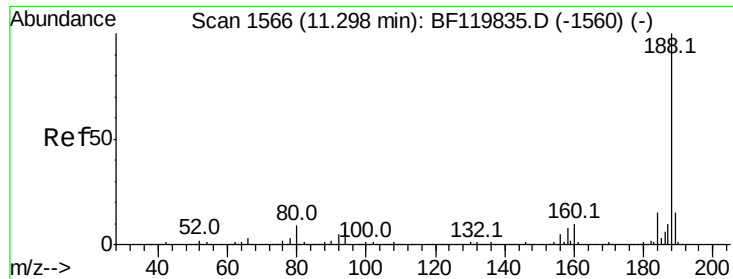
Acq: 24 Apr 2020 16:08

Tgt Ion:	163	Resp:	186146
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.1	4.7
164	9.8	8.2	12.2



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BF120204.D

Acq: 24 Apr 2020 16:08

Instrument :

BNA_F

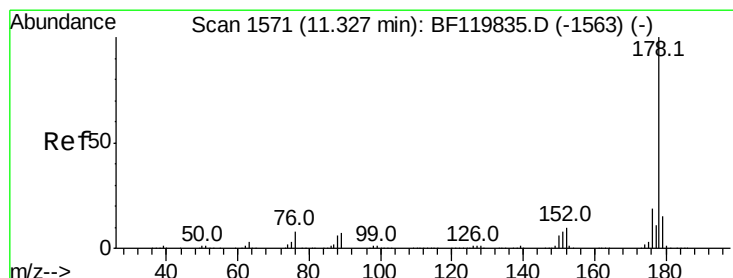
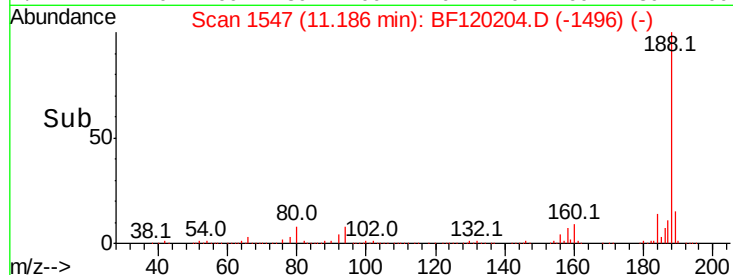
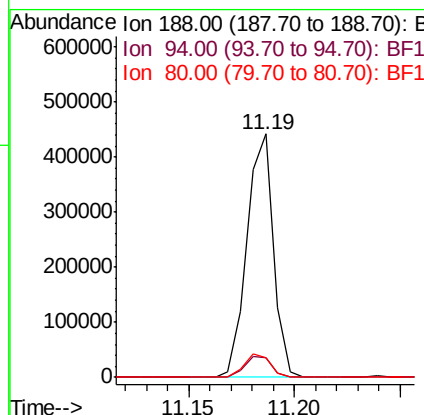
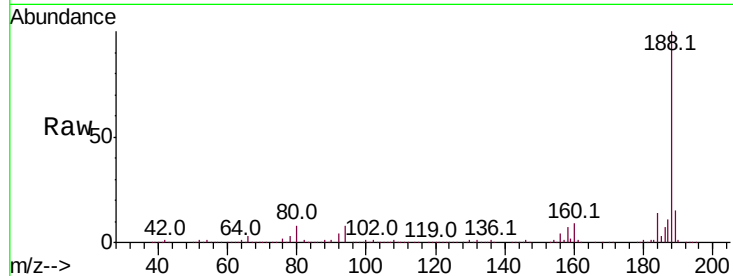
ClientSampled :

B-1

Tot Ion:	188	Resp:	385070
Ion Ratio	Lower	Upper	
188	100		
94	8.0	7.5	11.3
80	8.2	9.0	13.4#

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#71

Phenanthrene

Concen: 9.003 ng

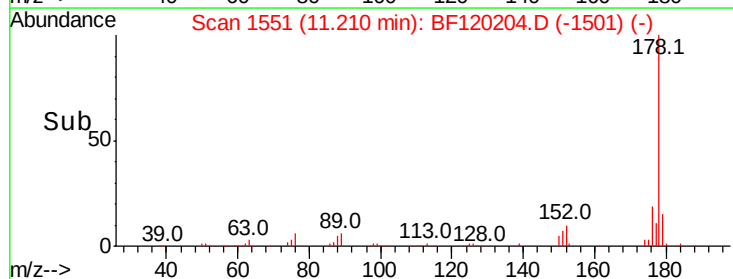
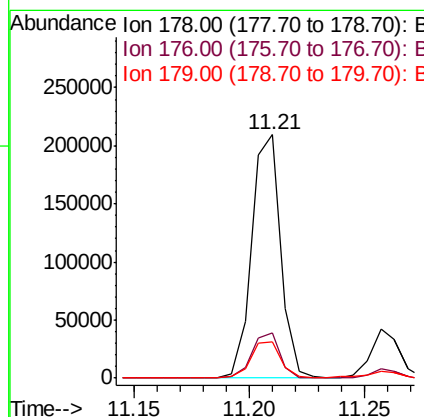
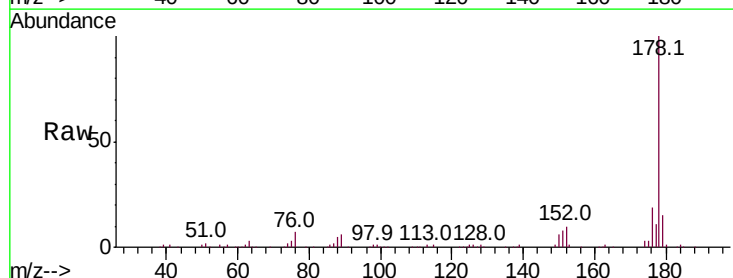
RT: 11.21 min Scan# 1551

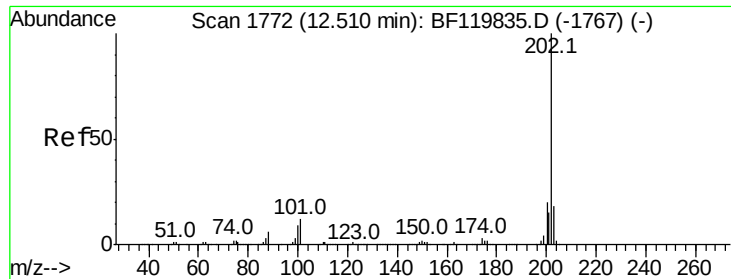
Delta R.T. -0.01 min

Lab File: BF120204.D

Acq: 24 Apr 2020 16:08

Tgt Ion:	178	Resp:	184508
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.2	24.4
179	14.8	13.2	19.8





#75

Fluoranthene

Concen: 10.532 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BF120204.D

Acq: 24 Apr 2020 16:08

Instrument :

BNA_F

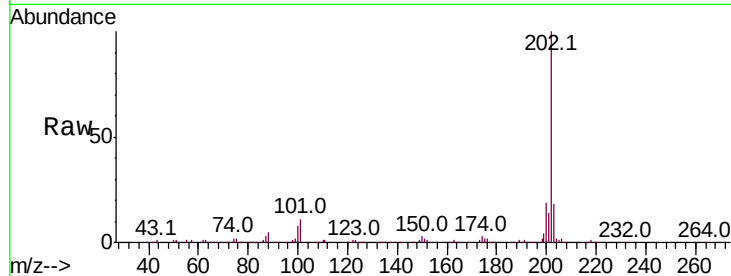
ClientSampleId :

B-1

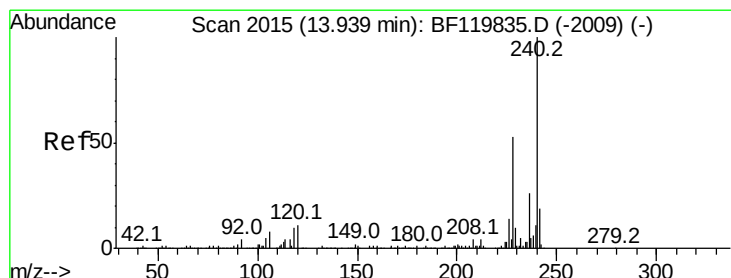
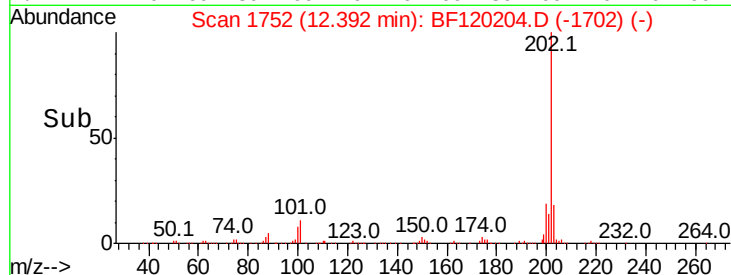
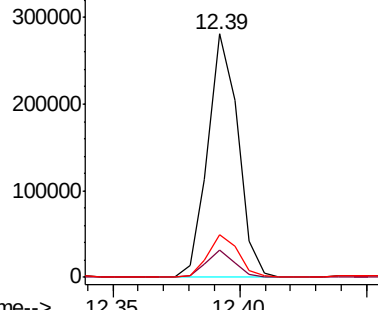
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	32.2
203	17.7	0.0	38.8

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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: 13.82 min Scan# 1995

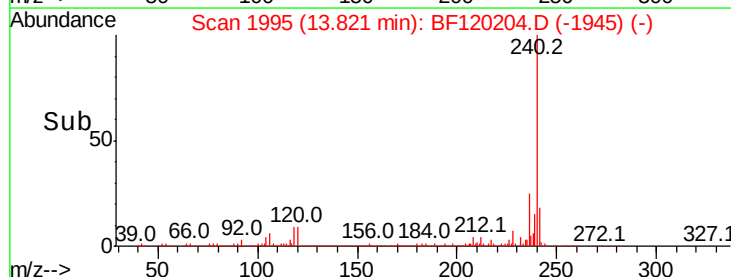
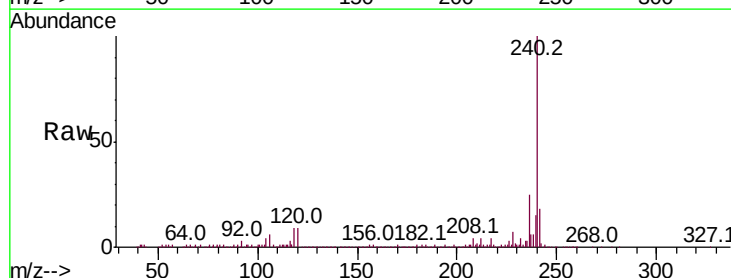
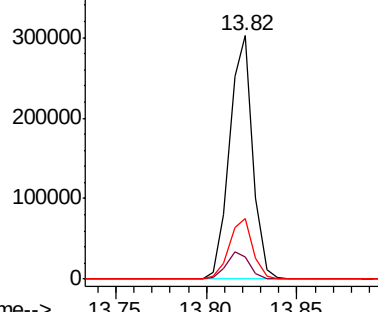
Delta R.T. -0.01 min

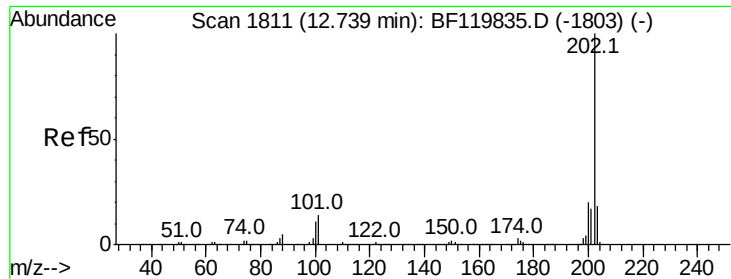
Lab File: BF120204.D

Acq: 24 Apr 2020 16:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.1	10.6	15.8#
236	24.7	20.2	30.2

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





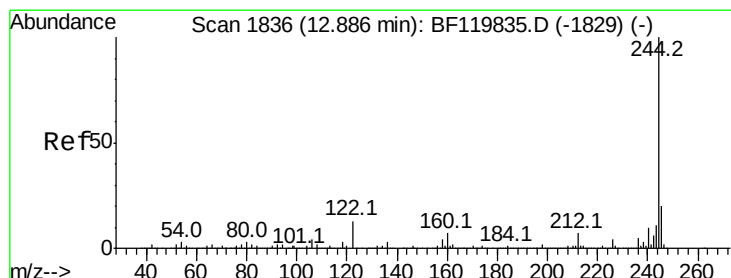
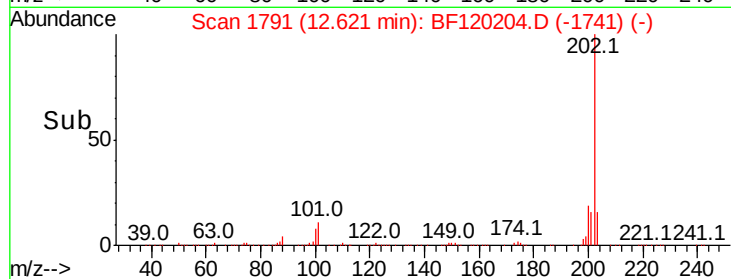
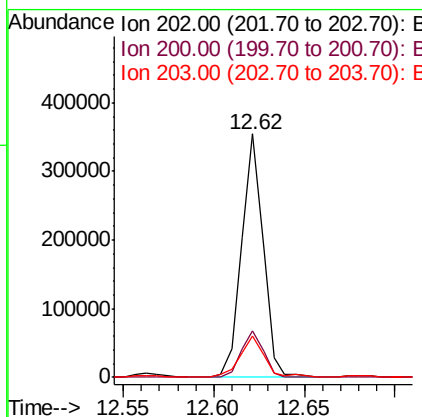
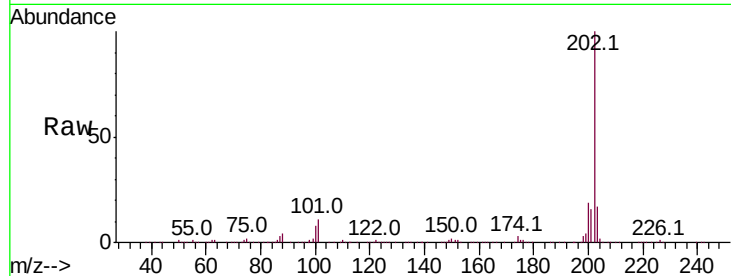
#78
Pvrene
Concen: 12.906 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	291987		
200	19.2		16.8	25.2
203	17.2		15.1	22.7

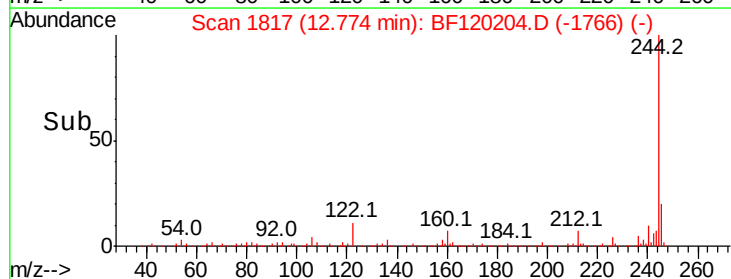
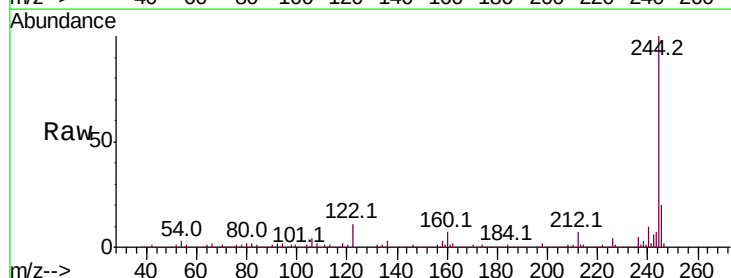
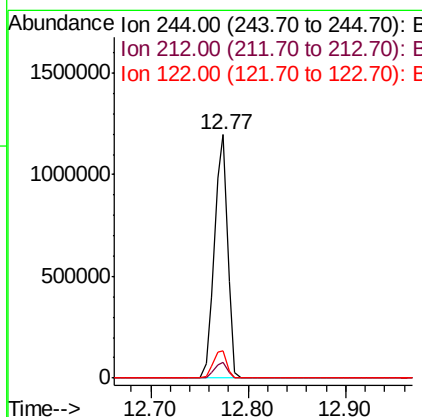
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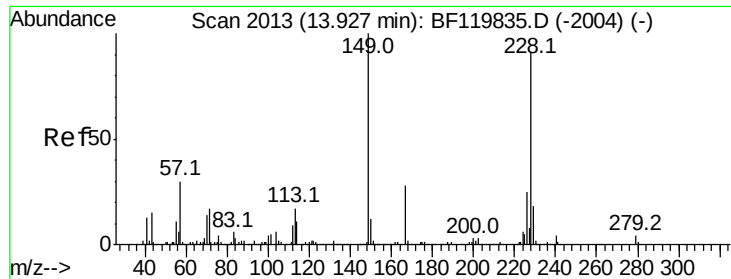
mohammad
4/27/2020 3:04:49 PM



#79
Terphenyl-d14
Concen: 70.073 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1117596		
212	6.6		5.8	8.8
122	11.4		10.3	15.5





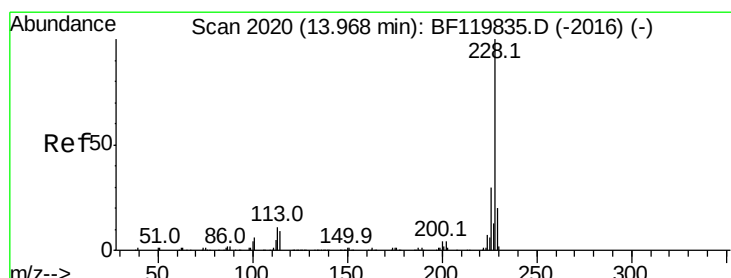
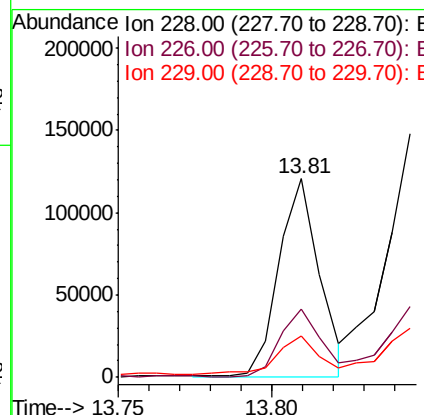
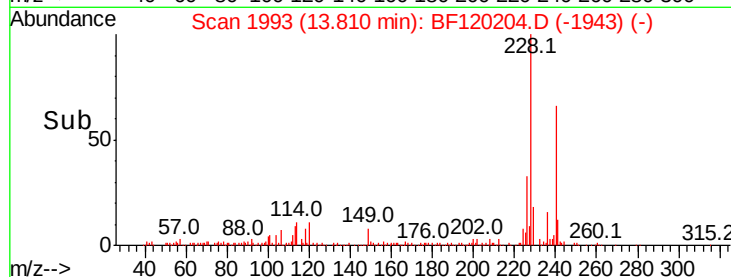
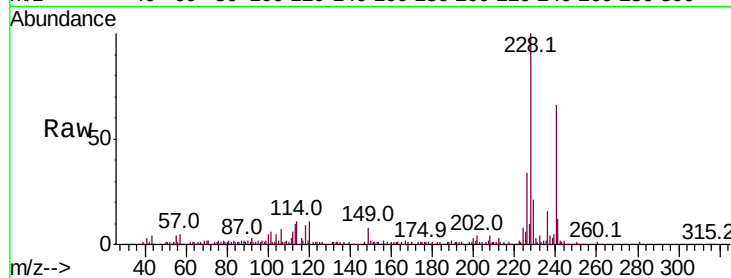
#81
Benzo(a)anthracene
Concen: 6.309 ng m
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.1	21.8	32.8#
229	20.6	16.2	24.4

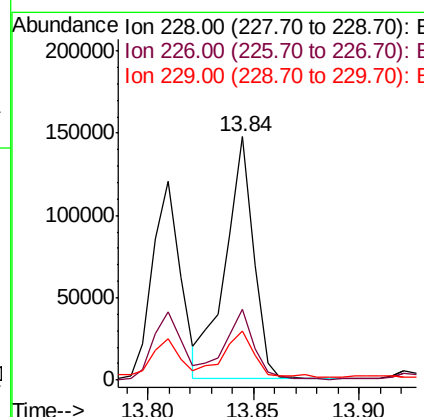
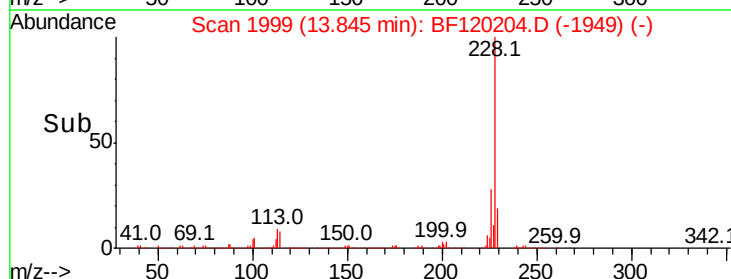
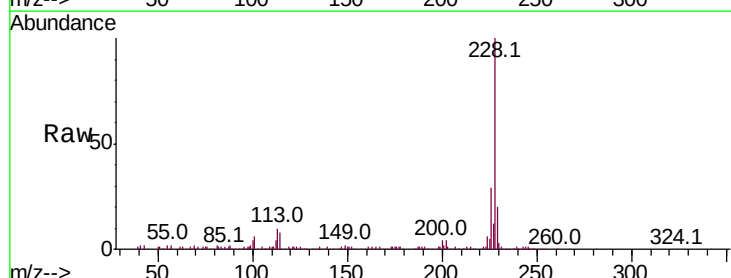
Manual Integrations
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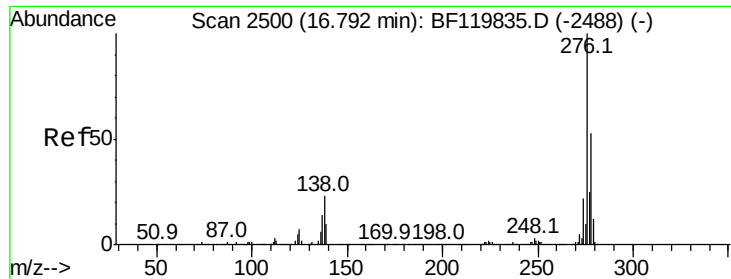
mohammad
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#83
Chrysene
Concen: 7.531 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.4	38.0
229	20.1	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.002 ng

RT: 16.57 min Scan# 2462

Delta R.T. -0.01 min

Lab File: BF120204.D

Acq: 24 Apr 2020 16:08

Instrument :

BNA_F

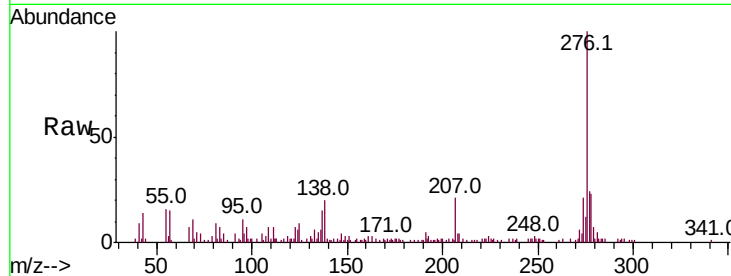
ClientSampleId :

B-1

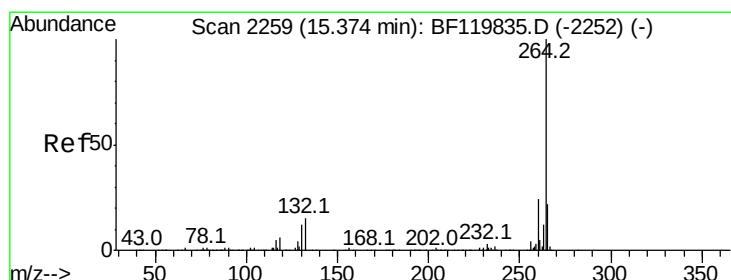
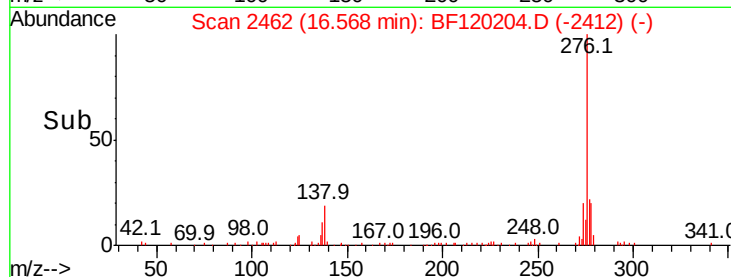
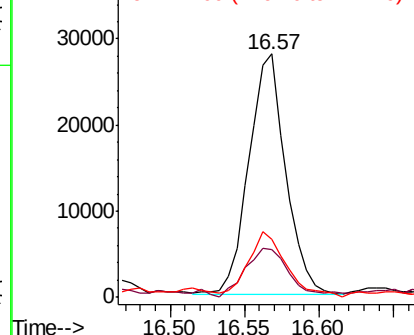
Tot Ion:	276	Resp:	47473
Ion Ratio	Lower	Upper	
276	100		
138	25.2	19.6	29.4
277	28.3	20.0	30.0

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

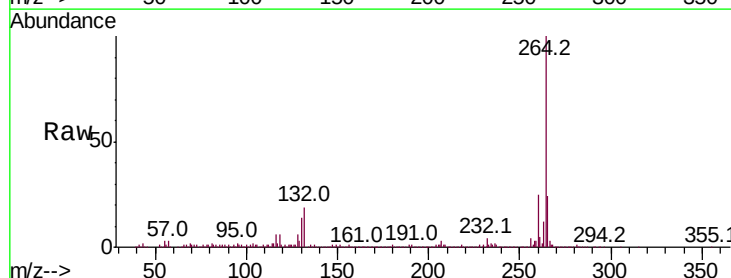
RT: 15.22 min Scan# 2233

Delta R.T. 0.00 min

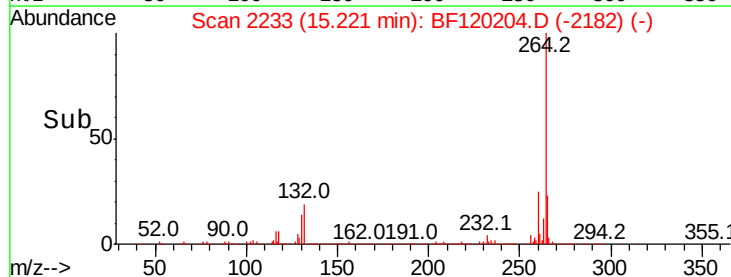
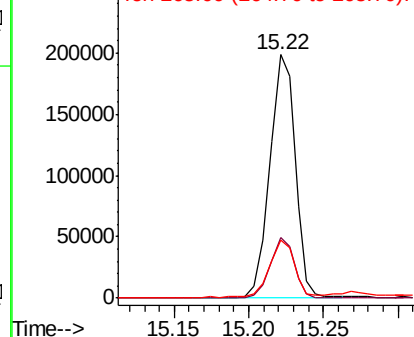
Lab File: BF120204.D

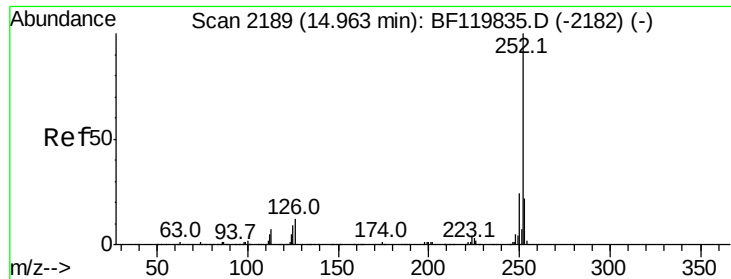
Acq: 24 Apr 2020 16:08

Tgt Ion:	264	Resp:	233766
Ion Ratio	Lower	Upper	
264	100		
260	25.1	18.7	28.1
265	23.7	17.7	26.5



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





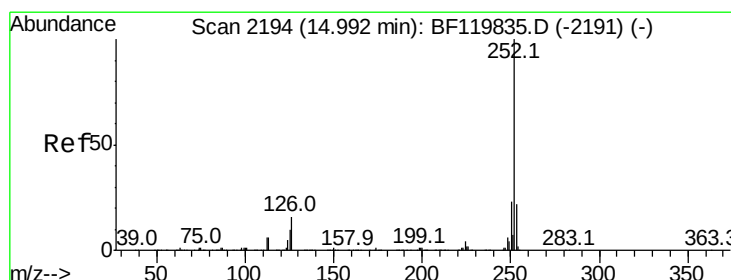
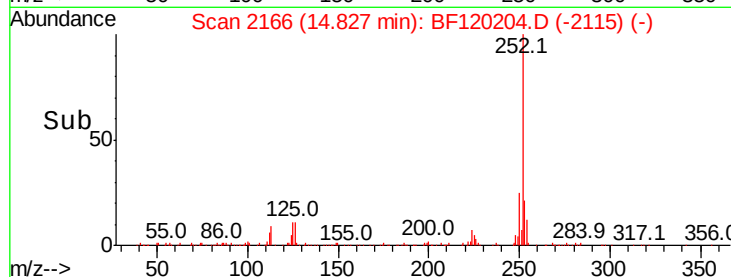
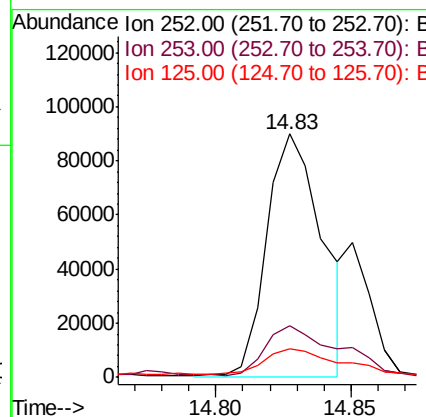
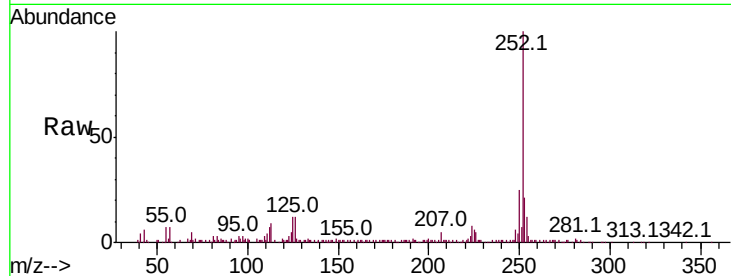
#88
Benzo(b)fluoranthene
Concen: 7.683 ng m
RT: 14.83 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	11.8	7.9	11.9

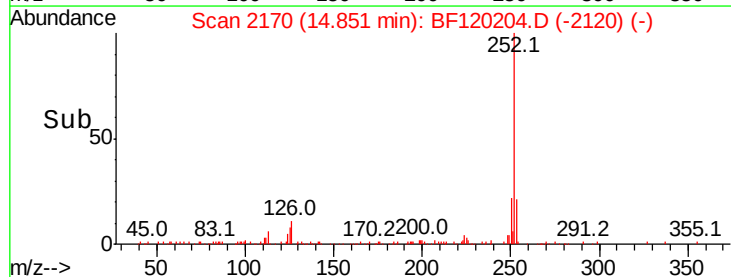
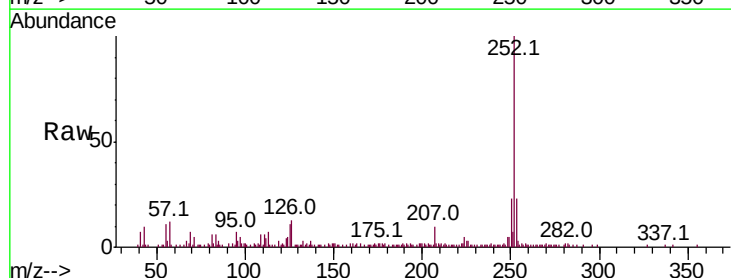
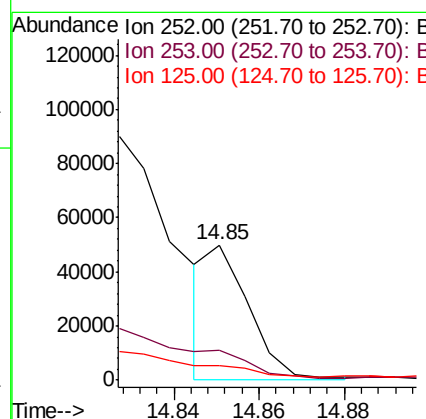
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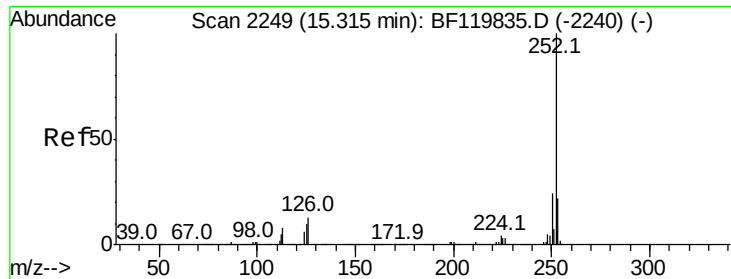
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.320 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	10.6	8.4	12.6





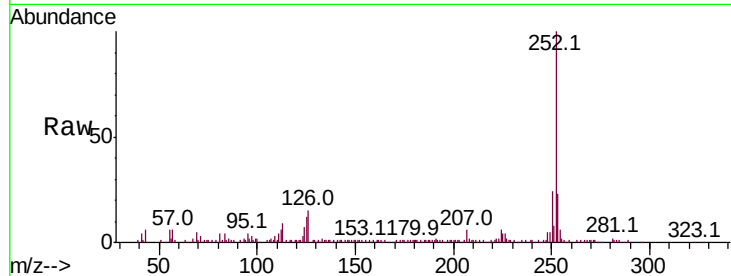
#90
Benzo(a)pyrene
Concen: 6.441 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Instrument :
BNA_F
ClientSampled :
B-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.7	9.4	14.2

Manual Integrations
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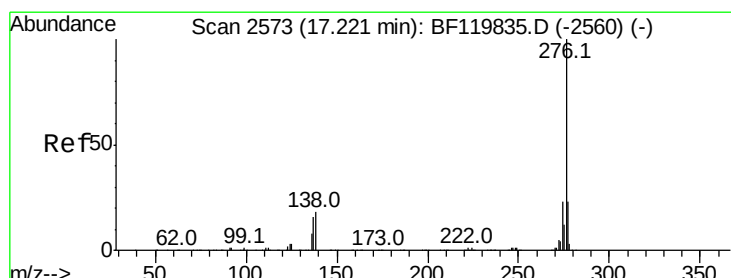
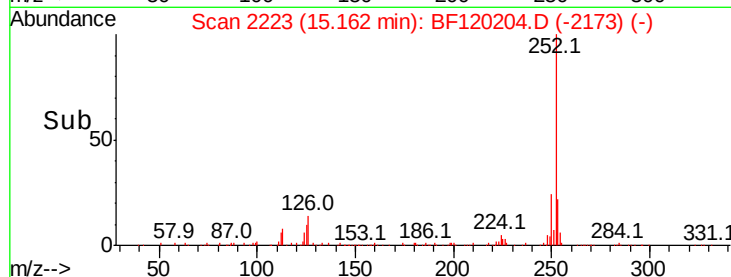
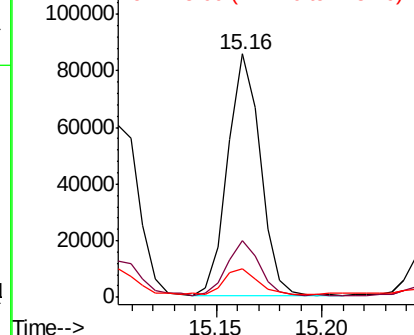


Abundance

Ion 252.00 (251.70 to 252.70): E

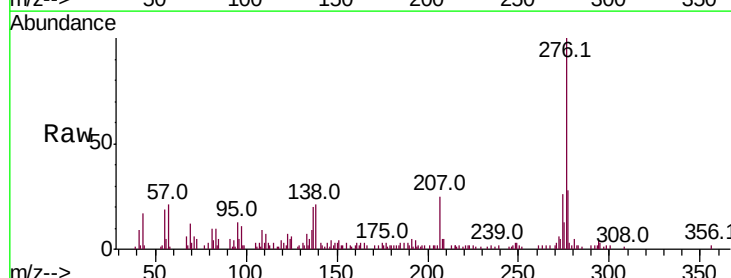
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.828 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF120204.D
Acq: 24 Apr 2020 16:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	18.4	27.6#
138	21.4	15.4	23.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

