

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
 Data File : BF120867.D
 Acq On : 14 Jul 2020 18:19
 Operator : JU/CG
 Sample : L3287-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-B

Manual Integrations
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mohammad
 7/15/2020 10:59:55 AM

Quant Time: Jul 14 18:43:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	207474	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	759366	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	360468	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	569617	20.00	ng	0.00
76) Chrysene-d12	13.99	240	455082	20.00	ng	-0.01
86) Perylene-d12	15.46	264	431110	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	875016	65.10	ng	0.00
7) Phenol-d6	6.46	99	1070480	62.37	ng	0.00
23) Nitrobenzene-d5	7.39	82	650372	49.62	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	237240	65.51	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1169445	49.08	ng	0.00
79) Terphenyl-d14	12.95	244	914999	39.37	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	210135	7.991	ng	Qvalue 100
71) Phenanthrene	11.37	178	112525	3.641	ng	99
75) Fluoranthene	12.57	202	300653	9.132	ng	97
78) Pyrene	12.80	202	292048	8.035	ng	98
81) Benzo(a)anthracene	13.99	228	185785m	6.369	ng	
83) Chrysene	14.02	228	173932	5.845	ng	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	100348	3.629	ng	97
88) Benzo(b)fluoranthene	15.03	252	262188m	9.251	ng	
89) Benzo(k)fluoranthene	15.06	252	64635m	2.344	ng	
90) Benzo(a)pyrene	15.39	252	162561	6.430	ng	95
92) Benzo(g,h,i)perylene	17.33	276	92058	4.370	ng	97

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

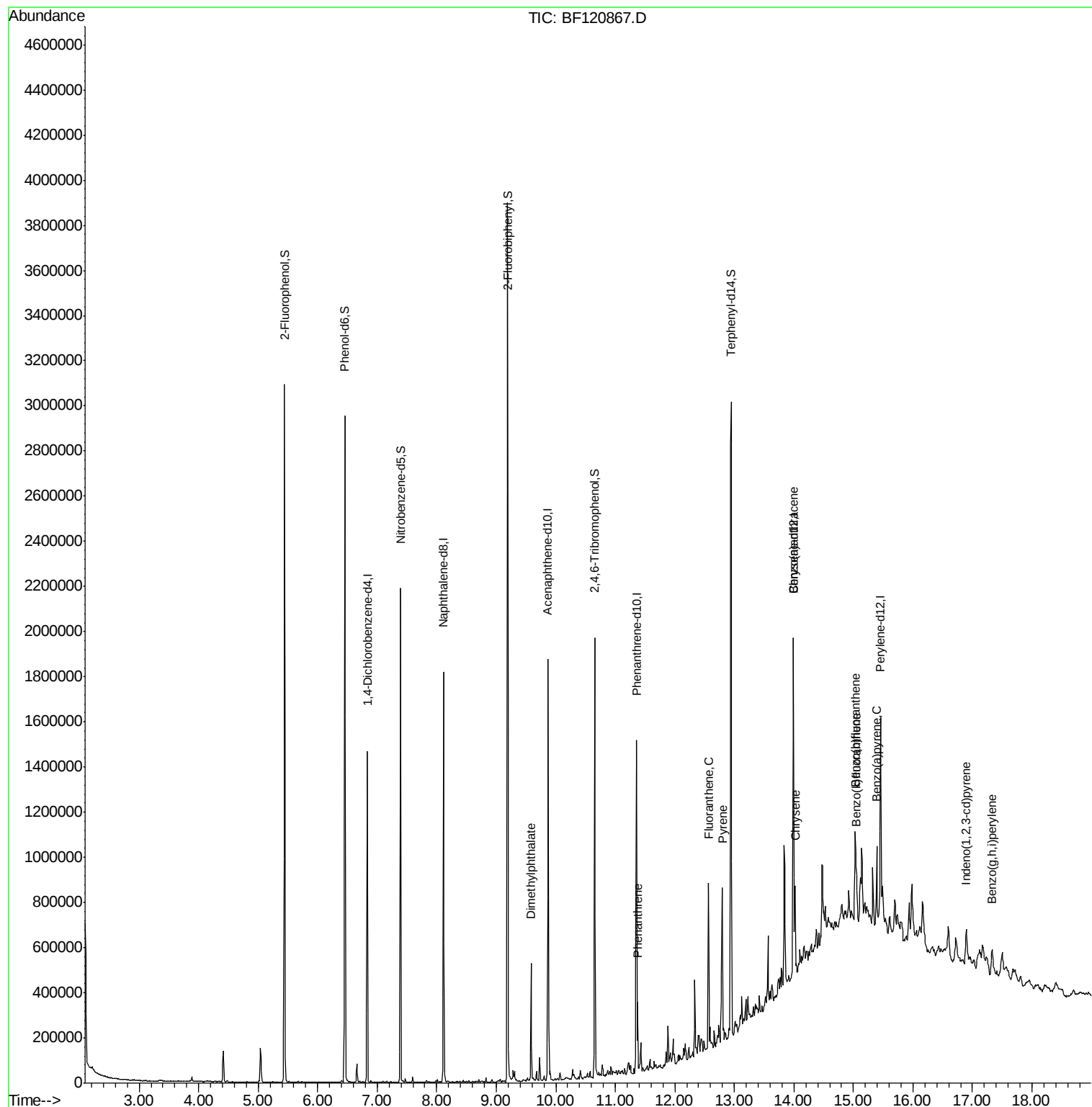
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

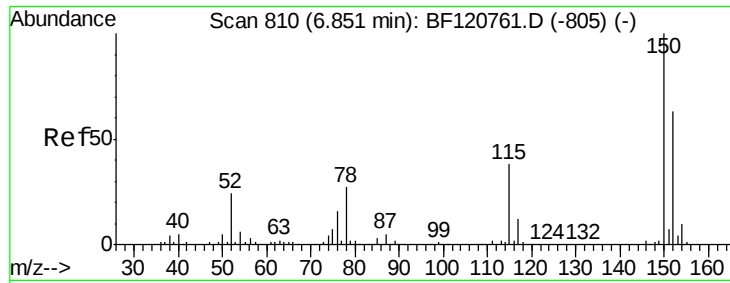
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-012-B

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Quant Time: Jul 14 18:43:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 14:16:14 2020
Response via : Initial Calibration





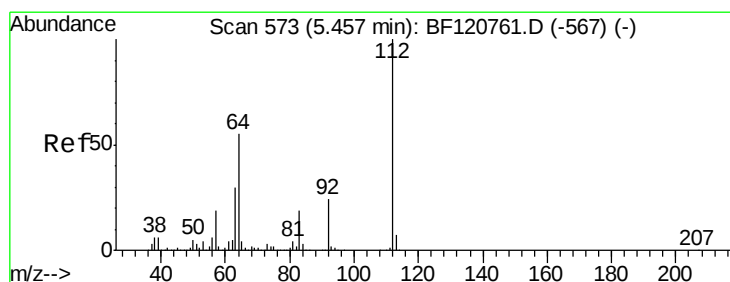
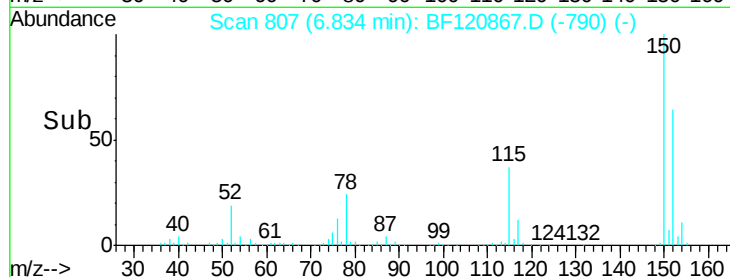
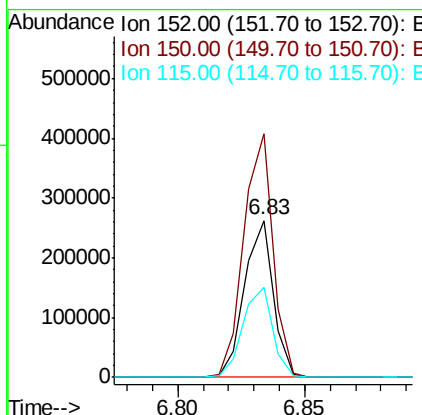
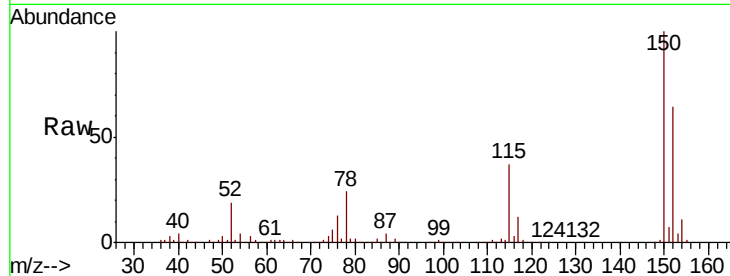
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BF120867.D
 Acq: 14 Jul 2020 18:19

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.1	189.1
115	57.2	48.5	72.7

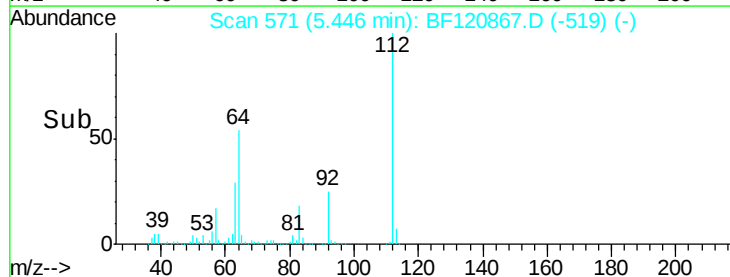
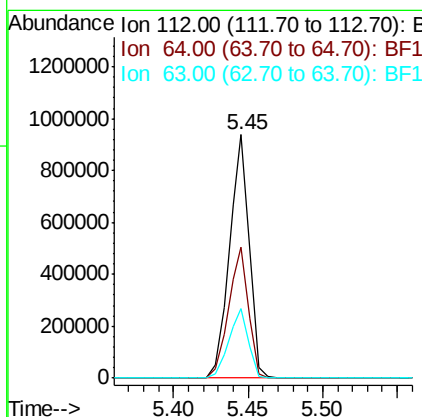
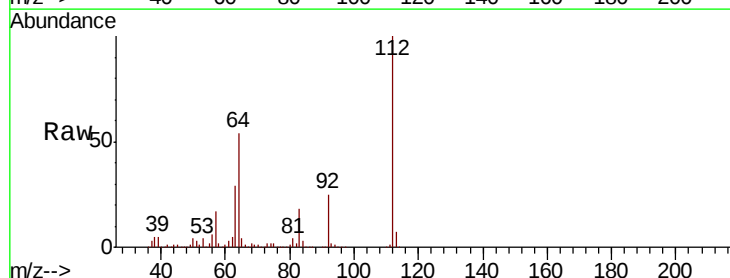
Manual Integrations
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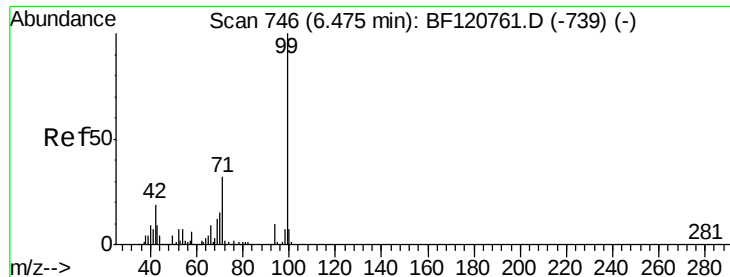
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#5
 2-Fluorophenol
 Concen: 65.103 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF120867.D
 Acq: 14 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	43.8	65.6
63	28.7	23.6	35.4





#7

Phenol-d6

Concen: 62.368 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF120867.D

Acq: 14 Jul 2020 18:19

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-012-B

Tot Ion: 99 Resp: 1070480

Ion Ratio Lower Upper

99 100

42 17.9 15.4 23.0

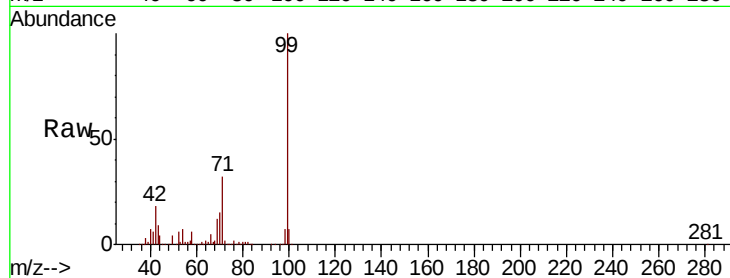
71 31.5 25.9 38.9

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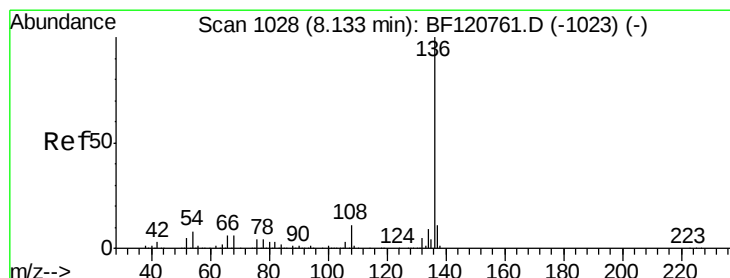
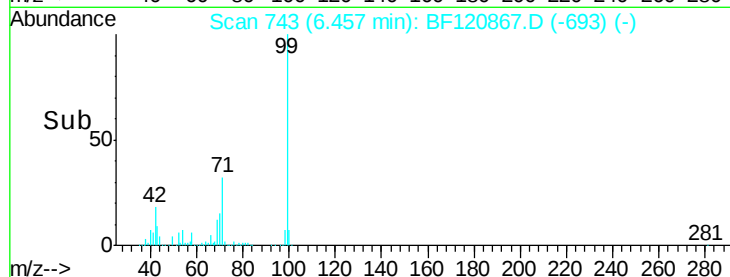
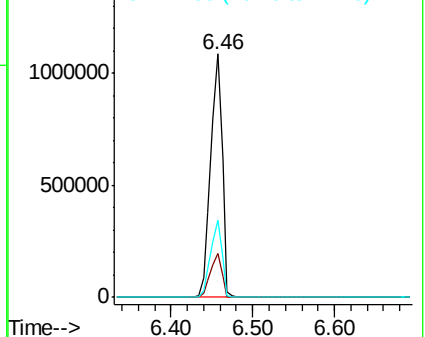
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF120867.D

Acq: 14 Jul 2020 18:19

Tgt Ion: 136 Resp: 759366

Ion Ratio Lower Upper

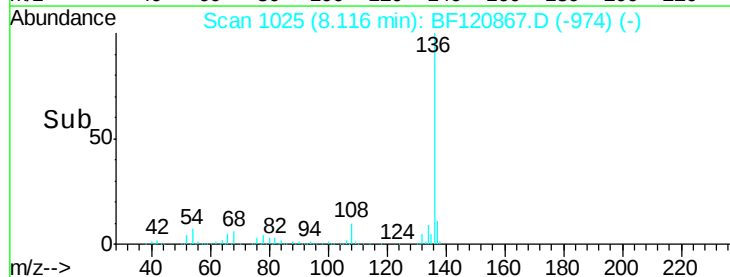
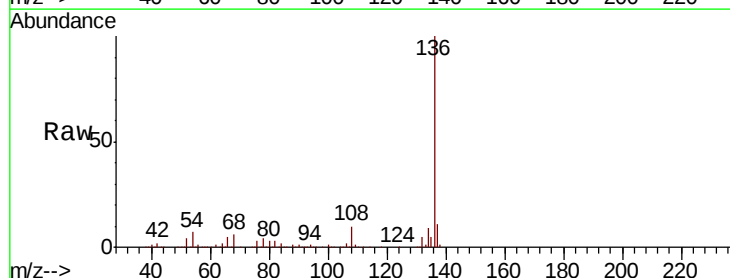
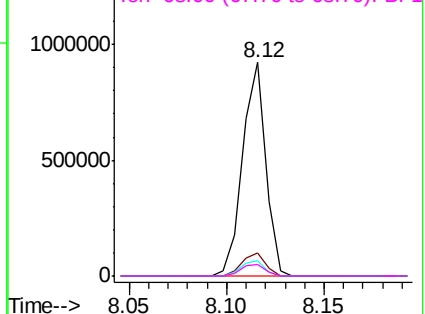
136 100

137 10.9 9.0 13.6

54 6.9 6.2 9.4

68 5.6 4.7 7.1

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





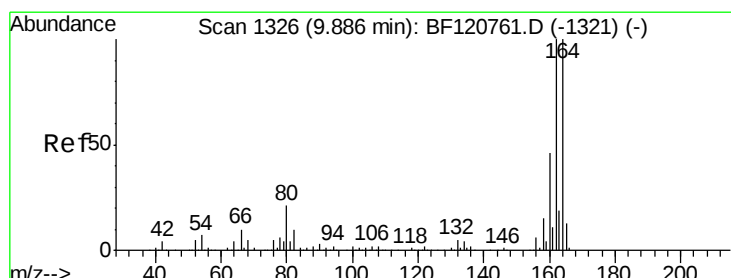
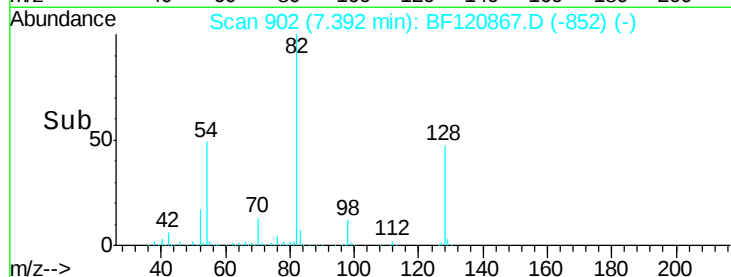
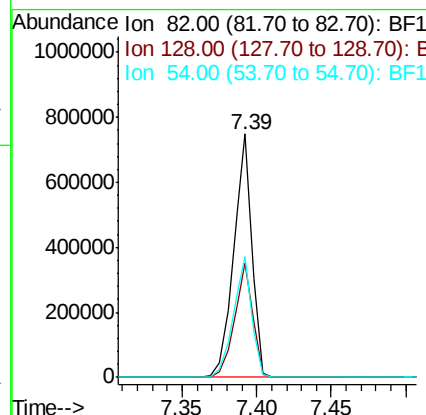
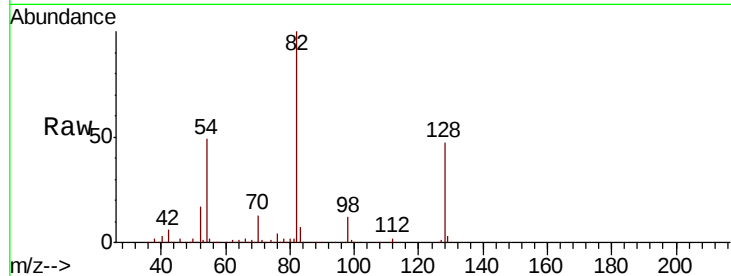
#23
Nitrobenzene-d5
Concen: 49.622 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF120867.D
Acq: 14 Jul 2020 18:19

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-012-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	35.7	53.5
54	49.3	40.9	61.3

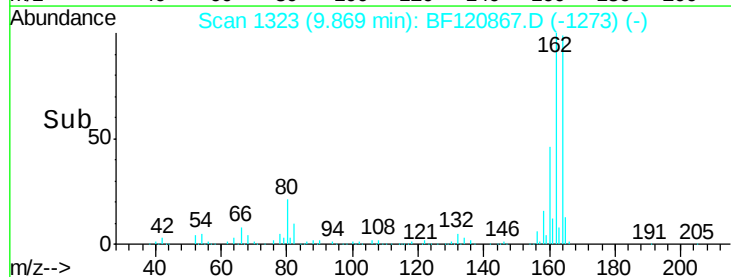
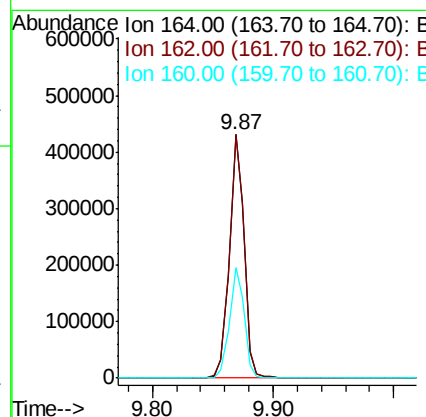
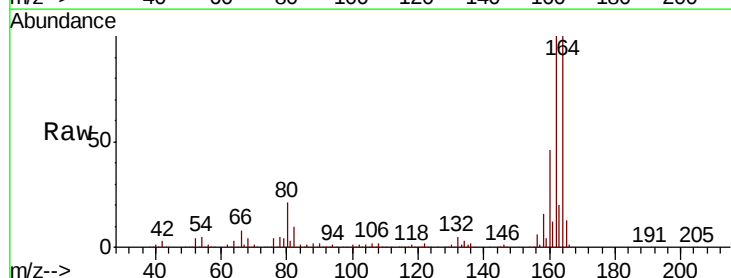
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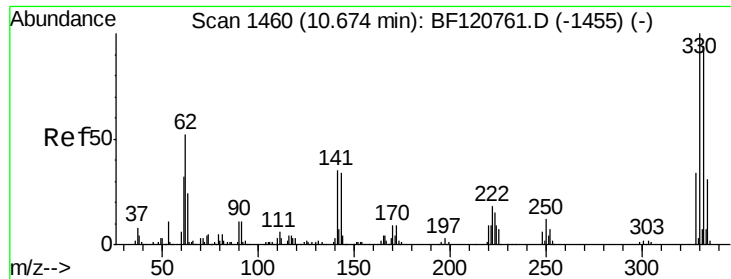
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF120867.D
Acq: 14 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.2
160	45.5	36.9	55.3





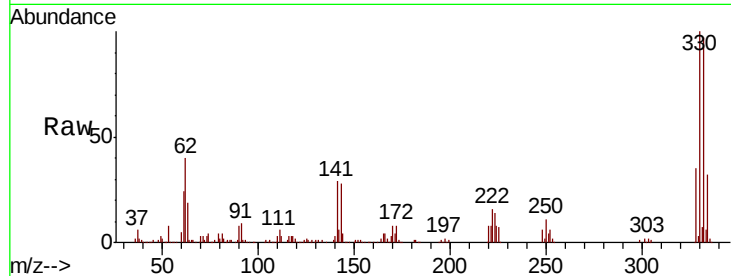
#42
 2,4,6-Tribromophenol
 Concen: 65.510 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF120867.D
 Acq: 14 Jul 2020 18:19

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.8	113.6
141	33.3	29.7	44.5

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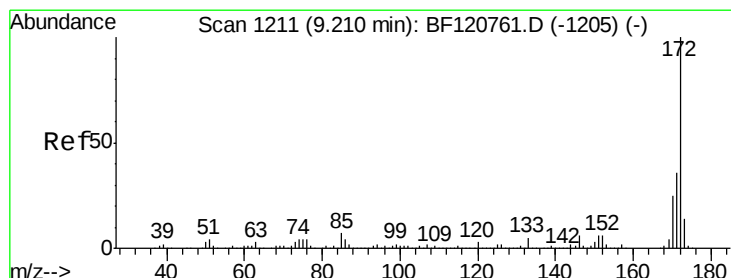
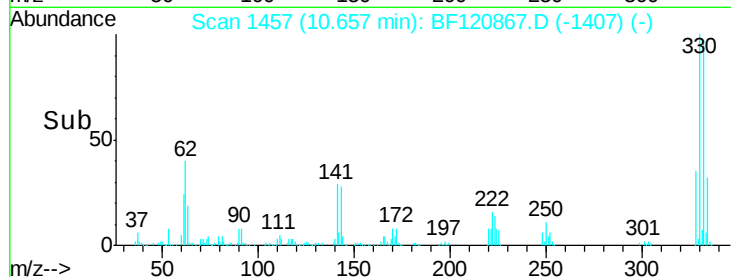
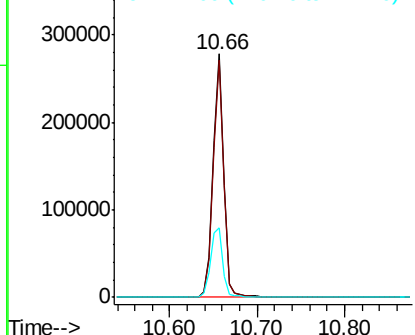


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 49.084 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF120867.D
 Acq: 14 Jul 2020 18:19

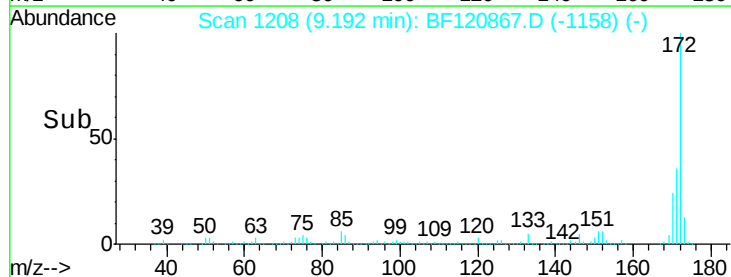
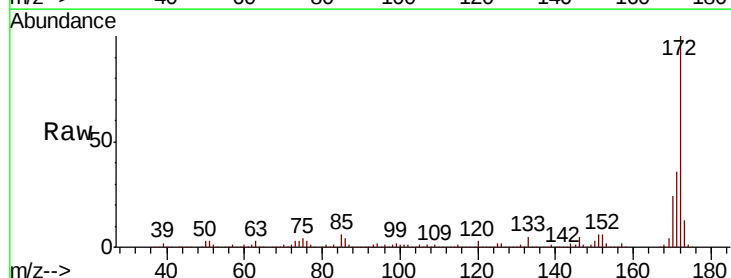
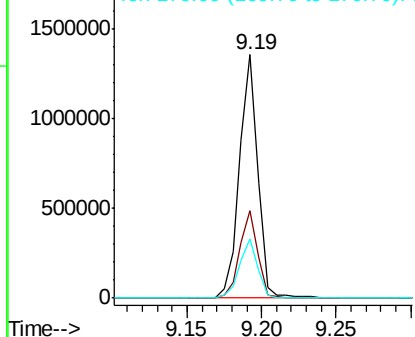
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.1	43.7
170	24.2	19.8	29.6

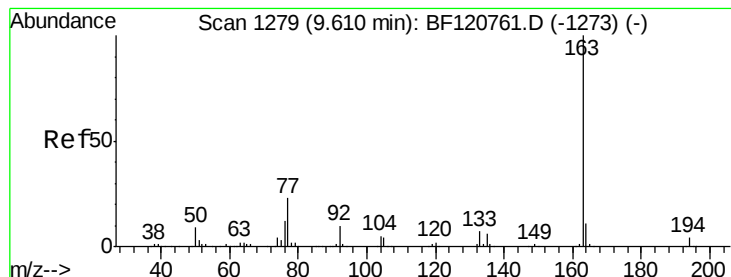
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.991 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF120867.D

Acq: 14 Jul 2020 18:19

Instrument :

BNA_F

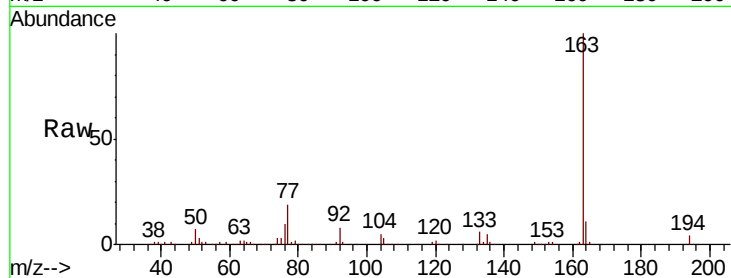
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FK-GF-03-012-B

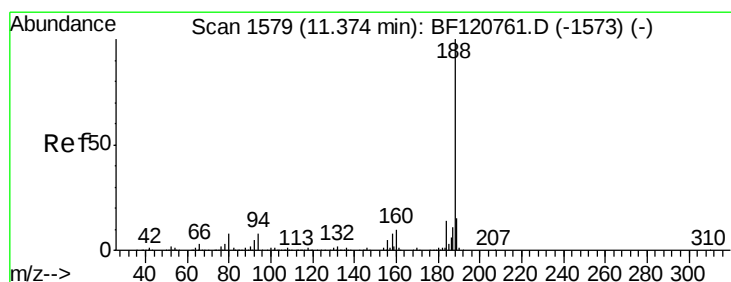
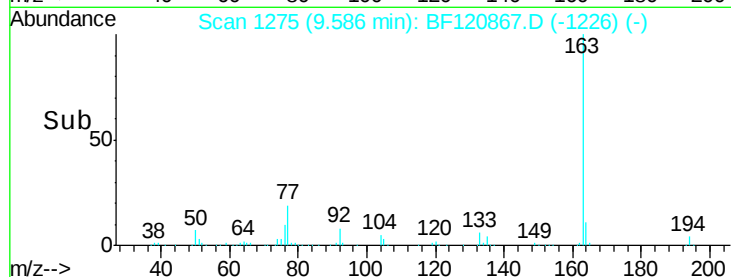
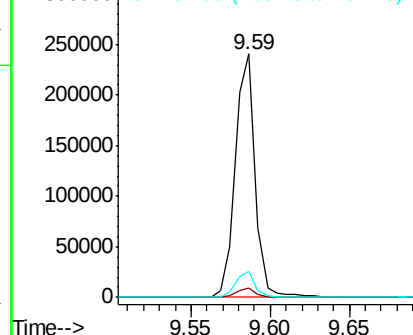
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		210135		
194	3.9		2.9	4.3	
164	10.5		8.5	12.7	

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

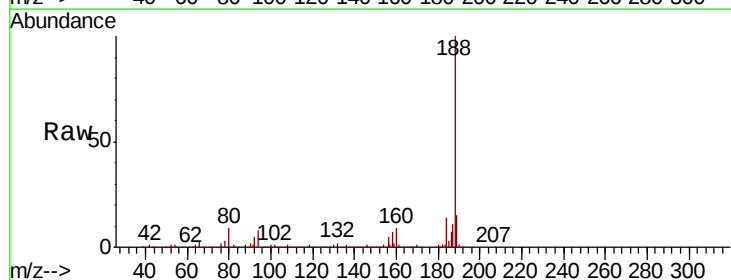
RT: 11.36 min Scan# 1576

Delta R.T. 0.00 min

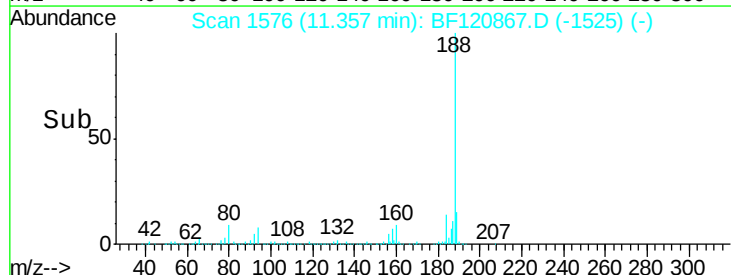
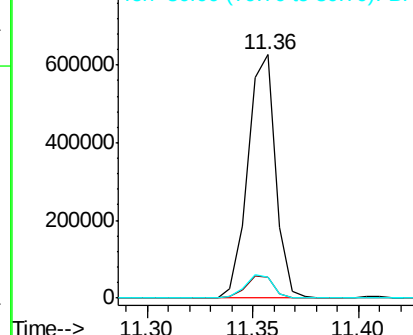
Lab File: BF120867.D

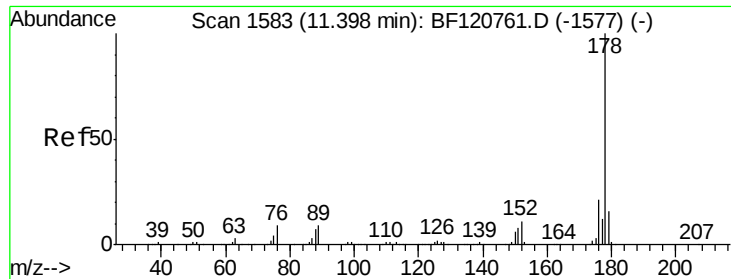
Acq: 14 Jul 2020 18:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		569617		
94	8.4		6.6	9.8	
80	8.7		6.6	10.0	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





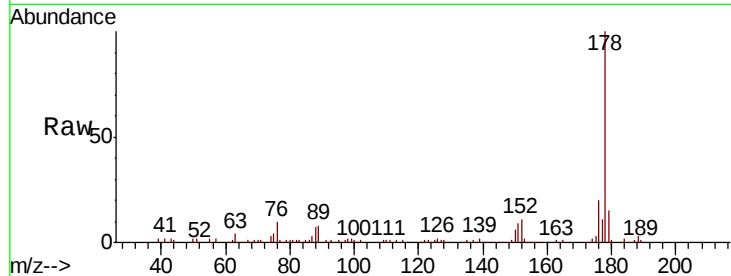
#71
Phenanthrene
Concen: 3.641 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF120867.D
Acq: 14 Jul 2020 18:19

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-012-B

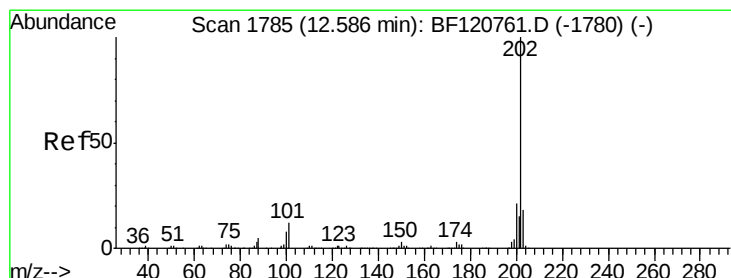
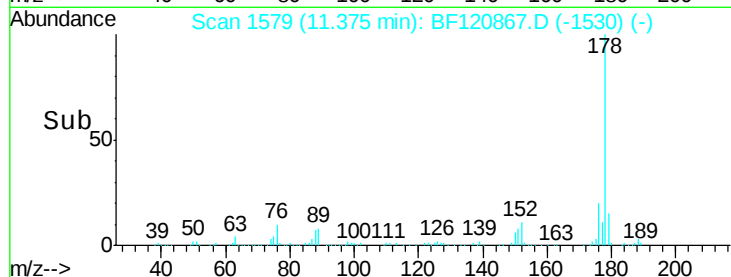
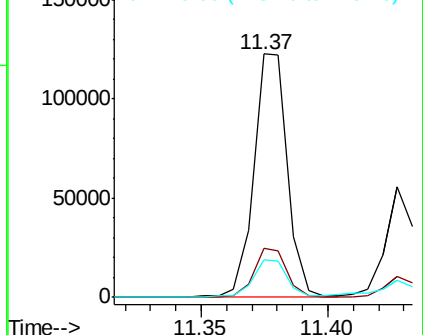
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.4	24.6
179	15.3	12.9	19.3

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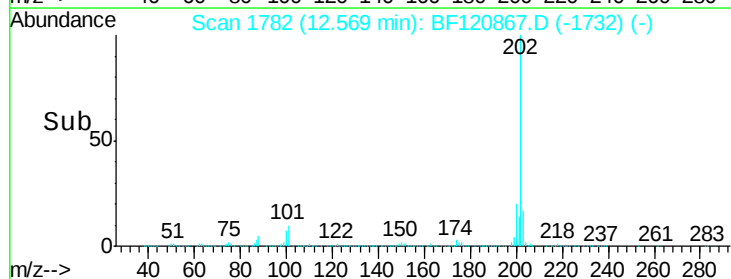
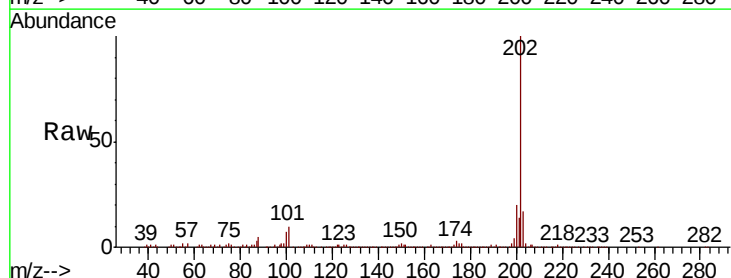
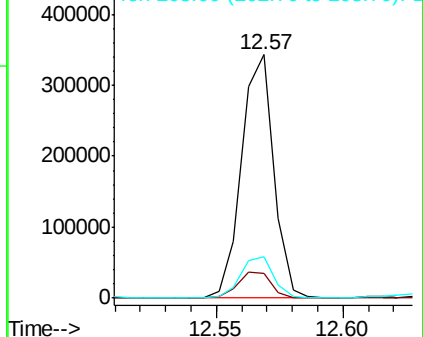
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

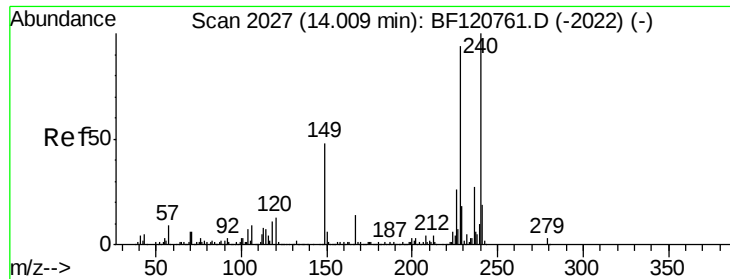


#75
Fluoranthene
Concen: 9.132 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF120867.D
Acq: 14 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.6
203	17.2	0.0	38.2

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





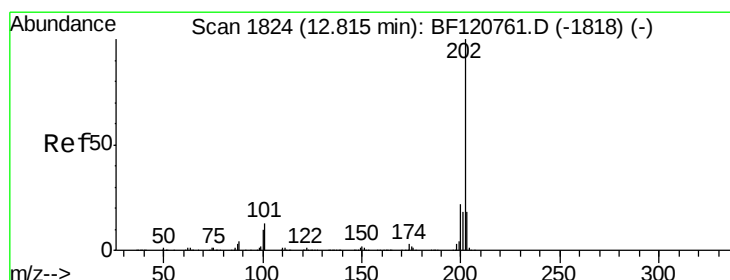
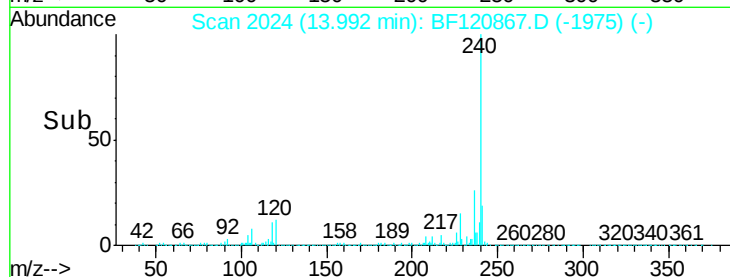
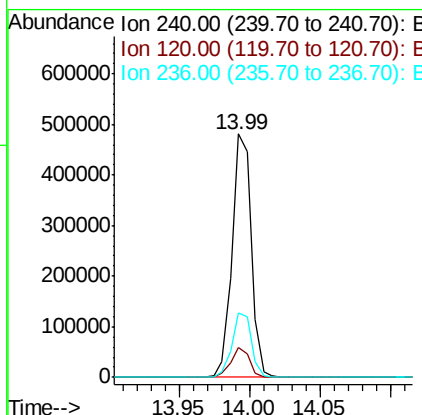
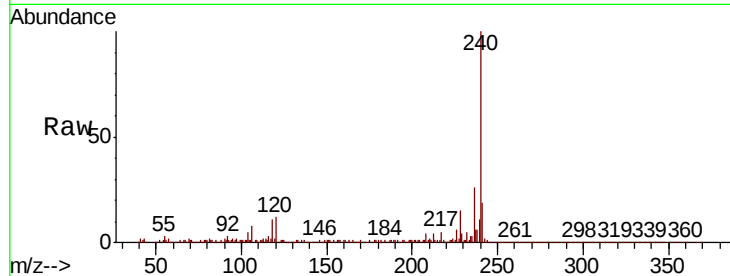
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120867.D
Acq: 14 Jul 2020 18:19

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-012-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.3	15.5
236	26.3	21.4	32.2

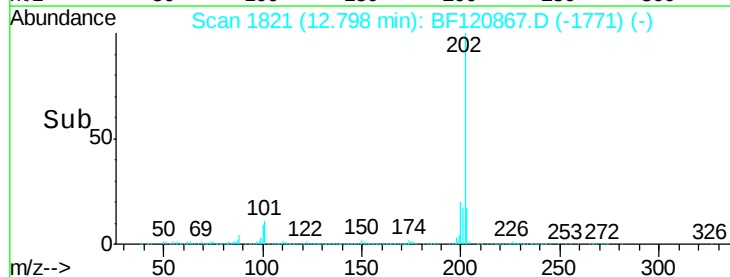
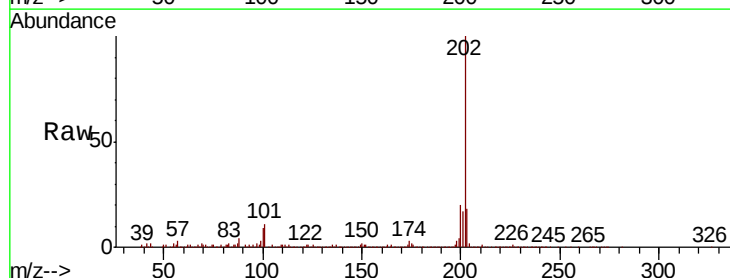
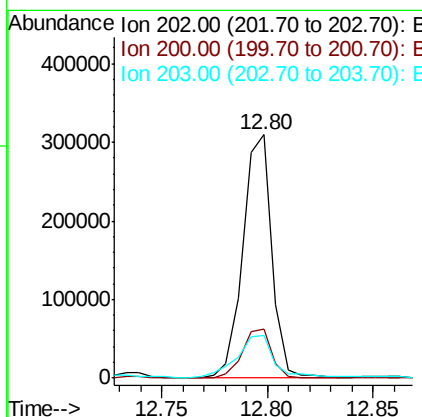
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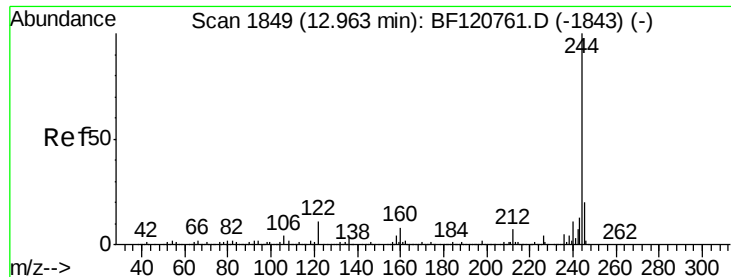
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#78
Pyrene
Concen: 8.035 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF120867.D
Acq: 14 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.3	25.9
203	17.6	14.6	22.0





#79

Terphenyl-d14

Concen: 39.366 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BF120867.D

Acq: 14 Jul 2020 18:19

Instrument :

BNA_F

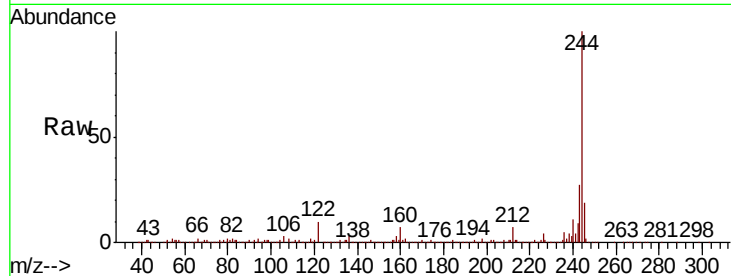
ClientSampleId :

FK-GF-03-012-B

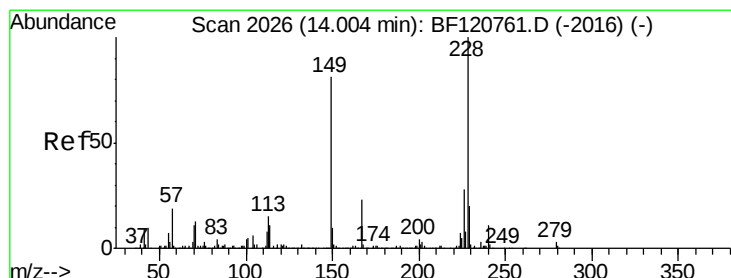
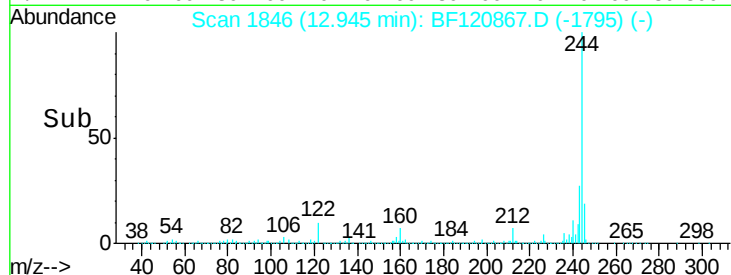
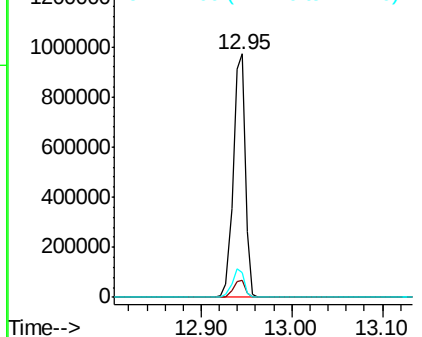
Tot Ion:	244	Resp:	914999
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.6	8.4
122	10.3	9.0	13.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.369 ng m

RT: 13.99 min Scan# 2023

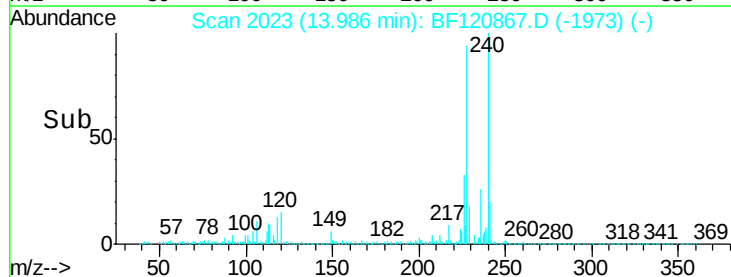
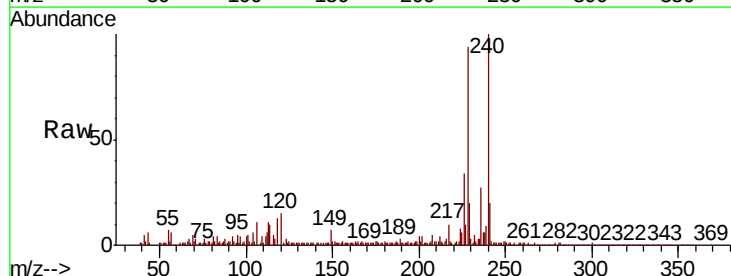
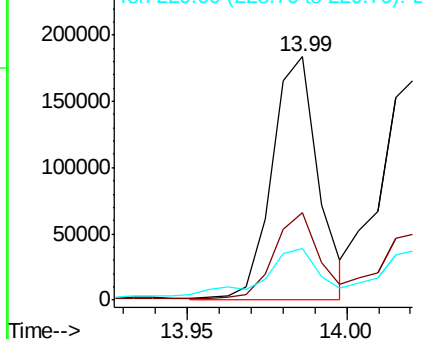
Delta R.T. -0.01 min

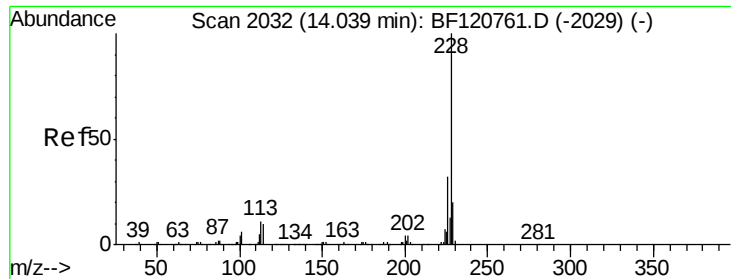
Lab File: BF120867.D

Acq: 14 Jul 2020 18:19

Tgt Ion:	228	Resp:	185785
Ion Ratio	Lower	Upper	
228	100		
226	35.9	22.6	33.8#
229	21.0	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





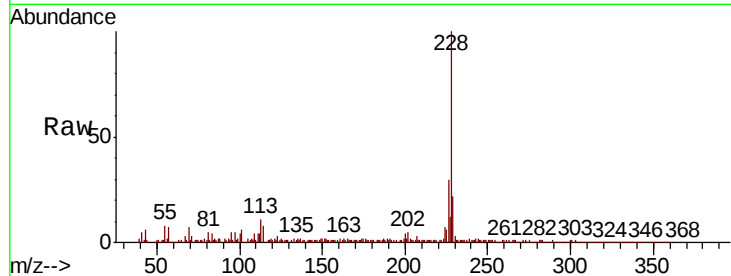
#83
Chrysene
Concen: 5.845 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF120867.D
Acq: 14 Jul 2020 18:19

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.7	38.5
229	22.2	16.3	24.5

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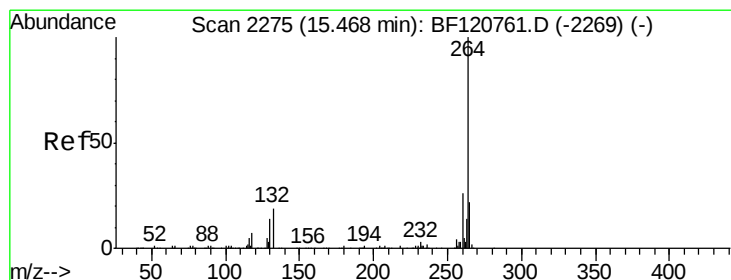
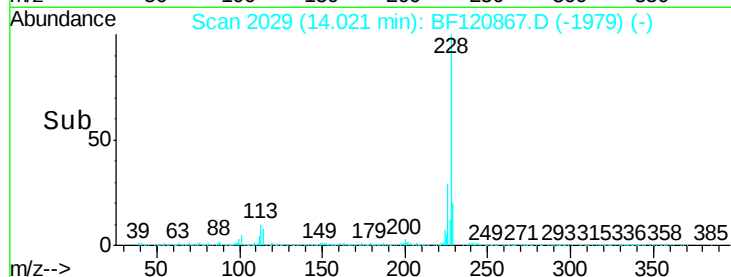
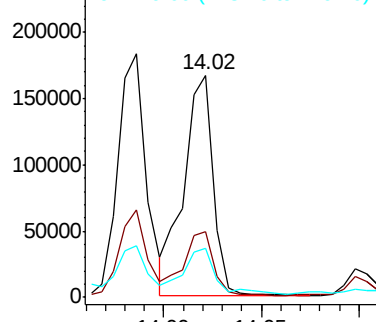


Abundance

Ion 228.00 (227.70 to 228.70): E

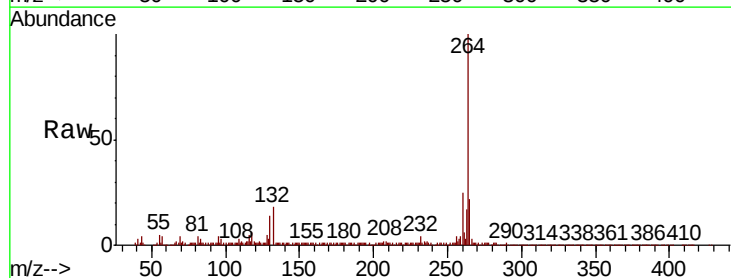
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF120867.D
Acq: 14 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.6	30.8
265	22.5	17.6	26.4

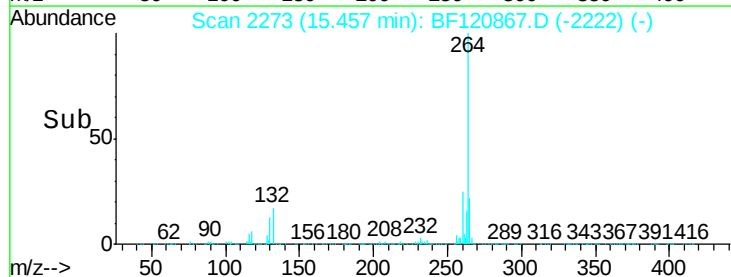
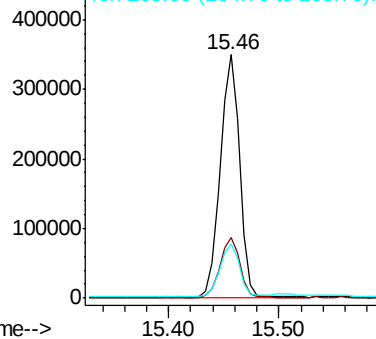


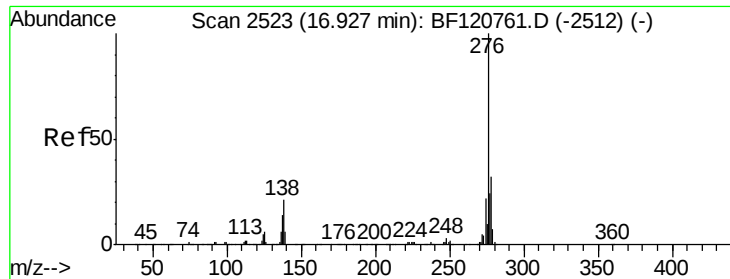
Abundance

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





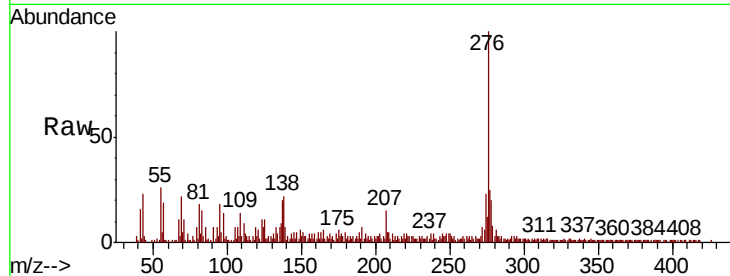
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.629 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF120867.D
 Acq: 14 Jul 2020 18:19

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.8	29.8
277	24.5	19.9	29.9

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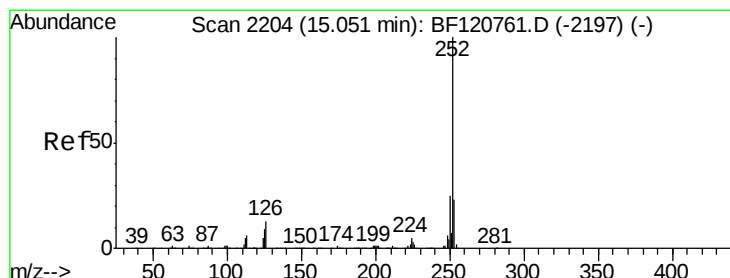
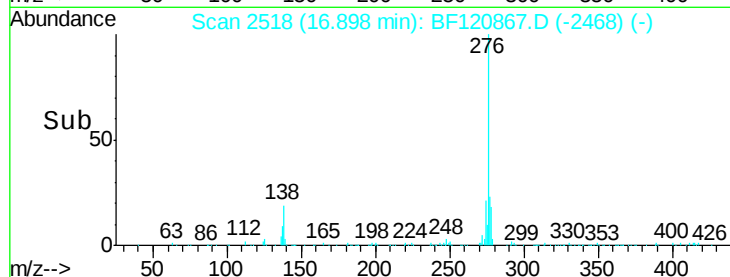
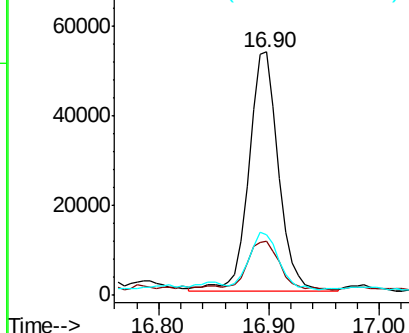


Abundance

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



#88
 Benzo(b)fluoranthene
 Concen: 9.251 ng m
 RT: 15.03 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BF120867.D
 Acq: 14 Jul 2020 18:19

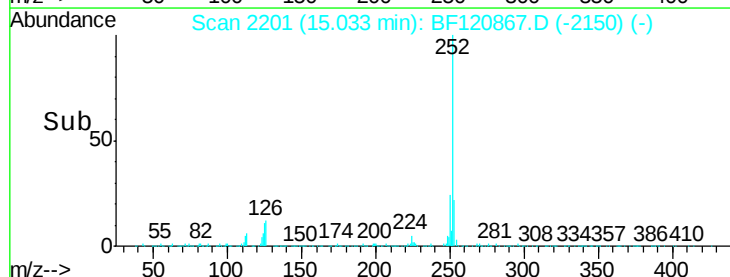
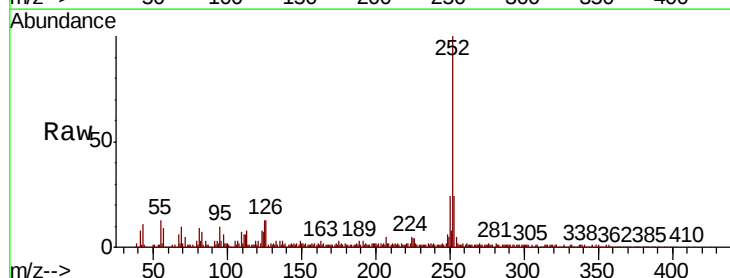
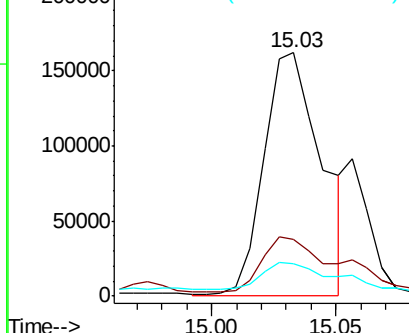
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.3	7.5	11.3

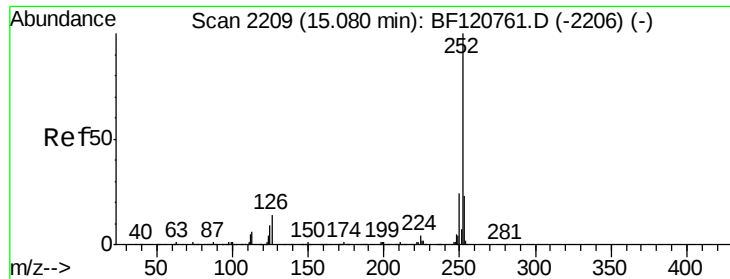
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.344 ng m

RT: 15.06 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BF120867.D

Acq: 14 Jul 2020 18:19

Instrument :

BNA_F

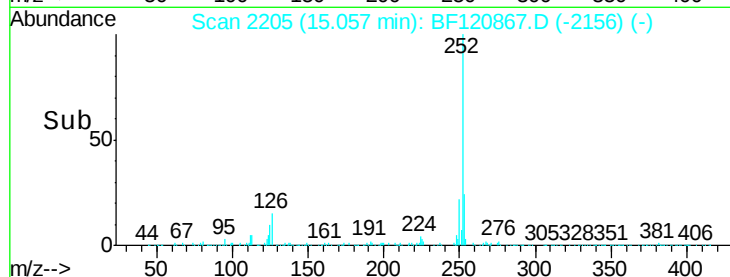
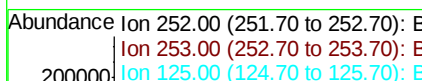
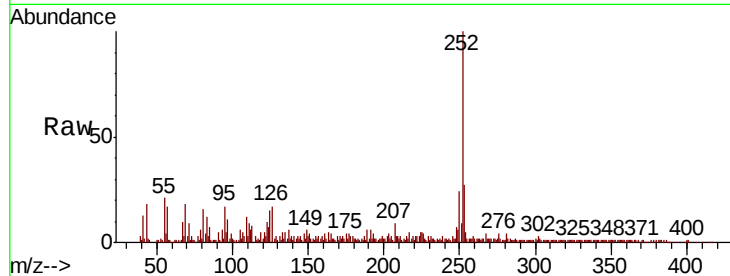
ClientSampleId :

FK-GF-03-012-B

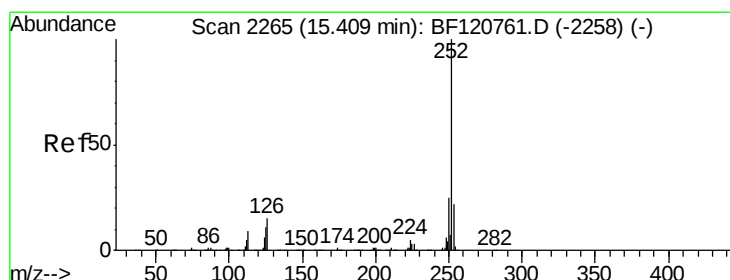
Tot Ion:	252	Resp:	64635
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.9	26.9
125	14.9	7.6	11.4#

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Time-->



#90

Benzo(a)pyrene

Concen: 6.430 ng

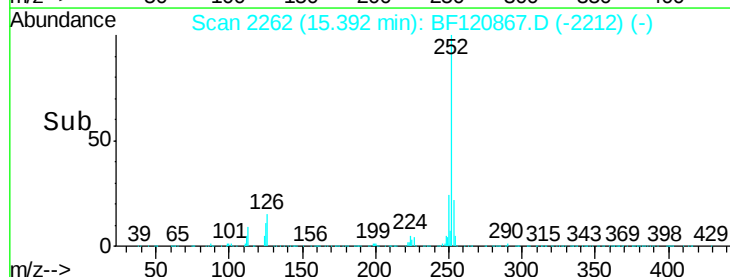
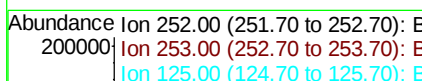
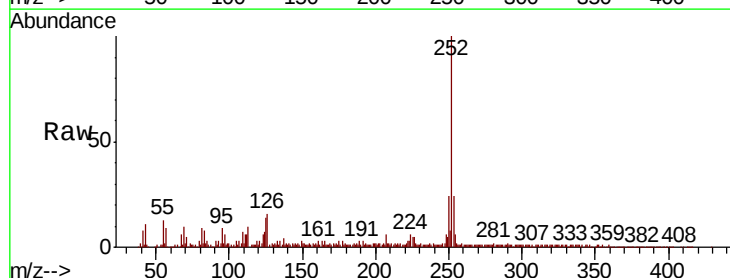
RT: 15.39 min Scan# 2262

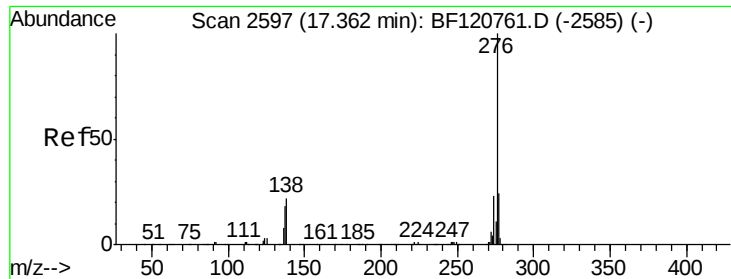
Delta R.T. -0.01 min

Lab File: BF120867.D

Acq: 14 Jul 2020 18:19

Tgt Ion:	252	Resp:	162561
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	13.7	9.2	13.8





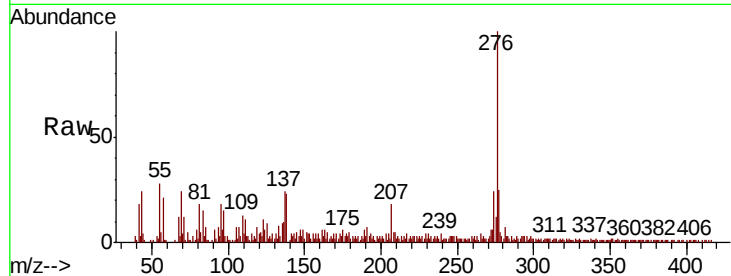
#92
 Benzo(a,h,i)perylene
 Concen: 4.370 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.02 min
 Lab File: BF120867.D
 Acq: 14 Jul 2020 18:19

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-012-B

Tot Ion:	276	Resp:	92058
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.8	28.2
138	23.0	17.4	26.2

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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

