

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119813.D
 Acq On : 7 Apr 2020 11:15
 Operator : MA/SJ
 Sample : L2147-03
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:12:49 AM

Quant Time: Apr 07 11:46:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	175564	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	640702	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	305856	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	549311	20.00	ng	0.00
76) Chrysene-d12	13.95	240	379222	20.00	ng	0.00
87) Perylene-d12	15.40	264	382552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1334575	121.01	ng	0.00
7) Phenol-d6	6.42	99	1721651	122.21	ng	0.00
23) Nitrobenzene-d5	7.35	82	1052643	89.29	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	425126	134.73	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1792250	86.81	ng	0.00
79) Terphenyl-d14	12.90	244	1767479	91.32	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.54	163	251050	11.556	ng	99
71) Phenanthrene	11.33	178	264689	9.293	ng	96
75) Fluoranthene	12.53	202	428691	13.907	ng	97
78) Pyrene	12.76	202	396401	12.737	ng	97
81) Benzo(a)anthracene	13.94	228	177588	7.201	ng	97
83) Chrysene	13.98	228	173925	6.834	ng	97
86) Indeno(1,2,3-cd)pyrene	16.82	276	88327	3.685	ng	95
88) Benzo(b)fluoranthene	14.98	252	223107m	8.731	ng	
89) Benzo(k)fluoranthene	15.00	252	76258m	3.134	ng	
90) Benzo(a)pyrene	15.34	252	154086	6.635	ng	98
92) Benzo(g,h,i)perylene	17.25	276	86206	4.224	ng	99

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

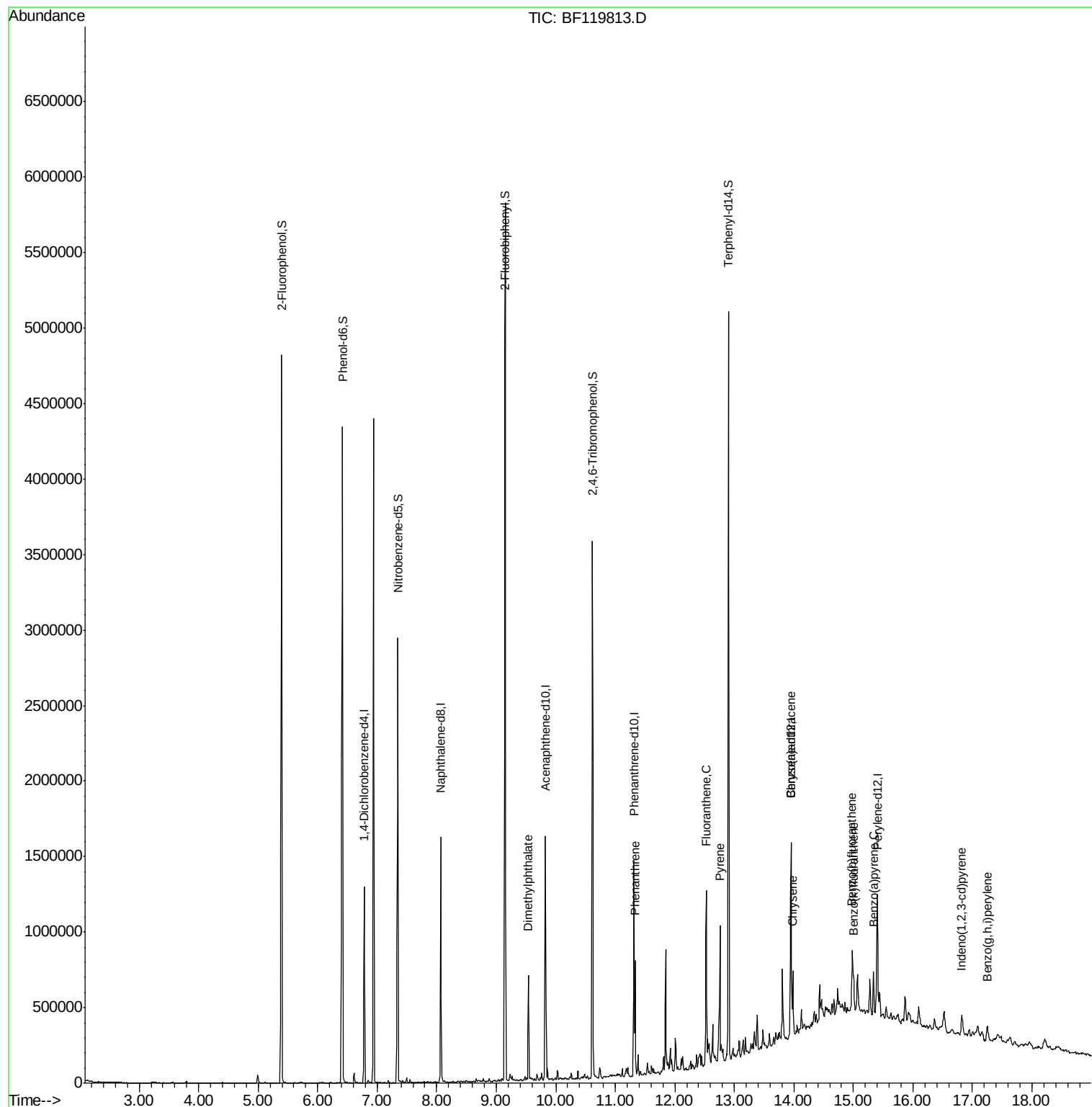
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119813.D
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Sample : L2147-03
Misc :
ALS Vial : 51 Sample Multiplier: 1

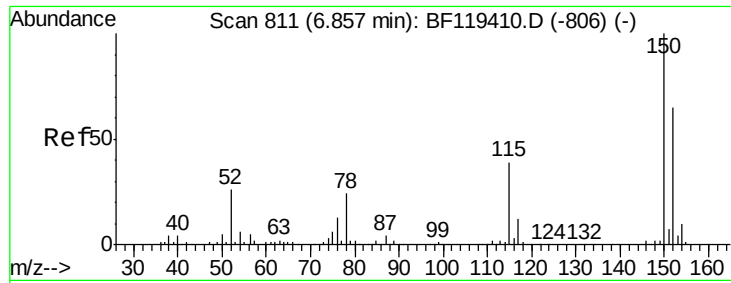
Instrument :
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FK-GF-02-056-B

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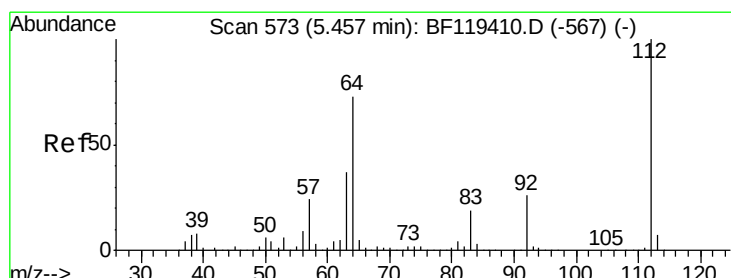
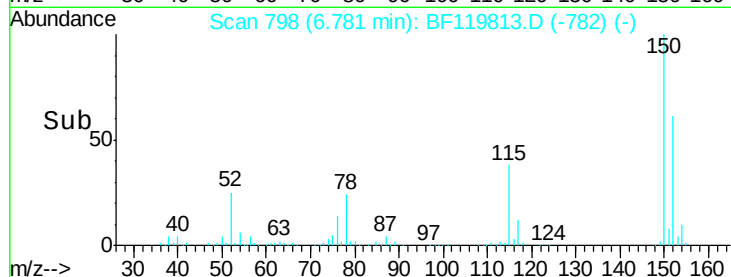
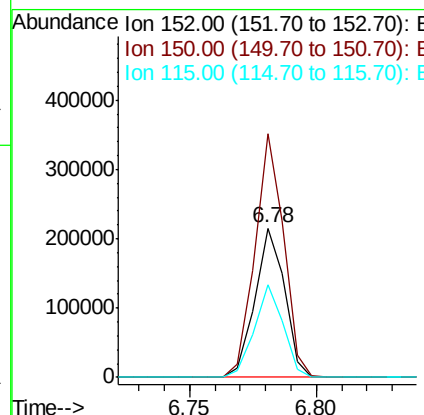
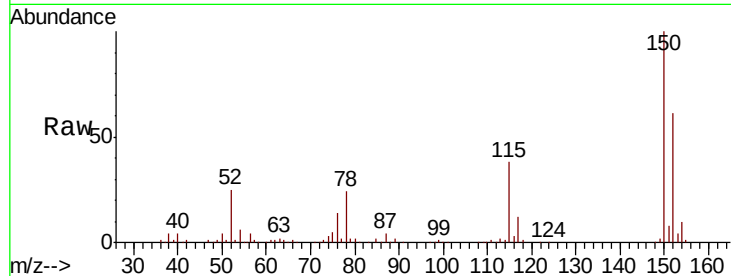
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	124.5	186.7
115	62.3	49.6	74.4

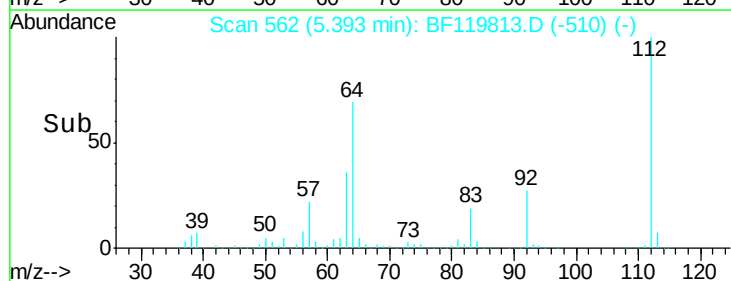
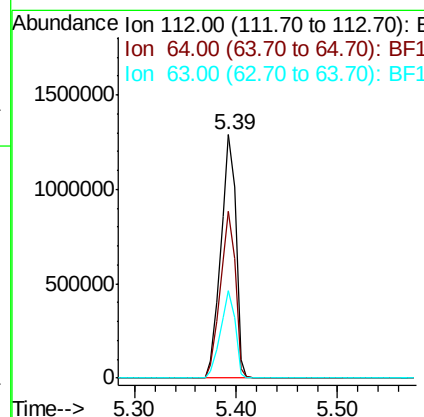
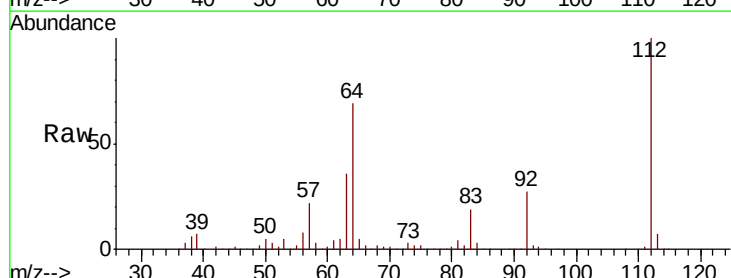
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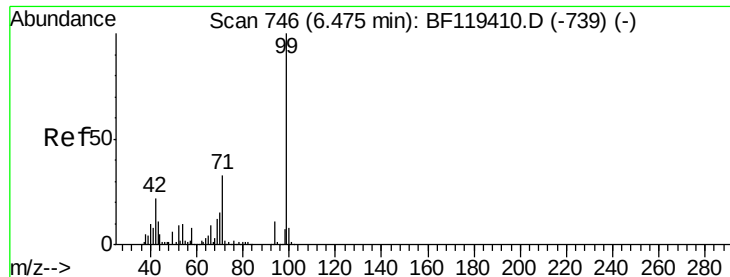
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#5
2-Fluorophenol
Concen: 121.011 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	56.7	85.1
63	35.9	29.5	44.3





#7

Phenol-d6

Concen: 122.205 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-B

Tot Ion: 99 Resp: 1721651

Ion Ratio Lower Upper

99 100

42 20.3 16.6 24.8

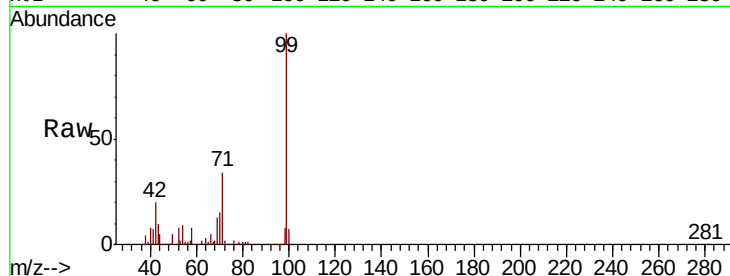
71 33.7 26.4 39.6

Manual Integrations

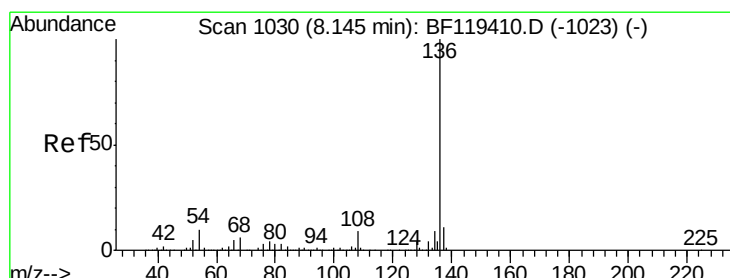
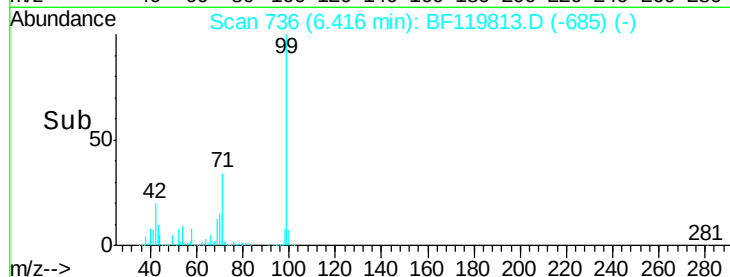
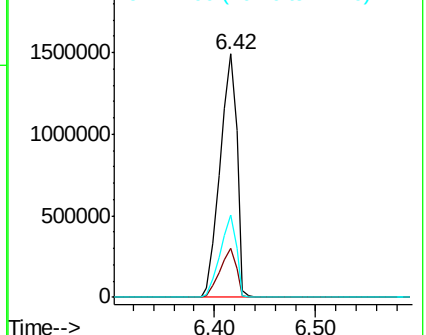
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Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000 Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Tgt Ion: 136 Resp: 640702

Ion Ratio Lower Upper

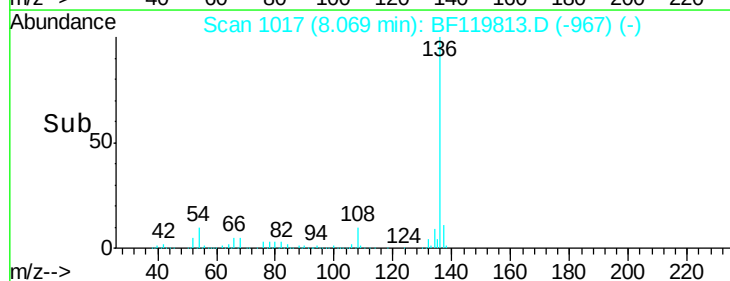
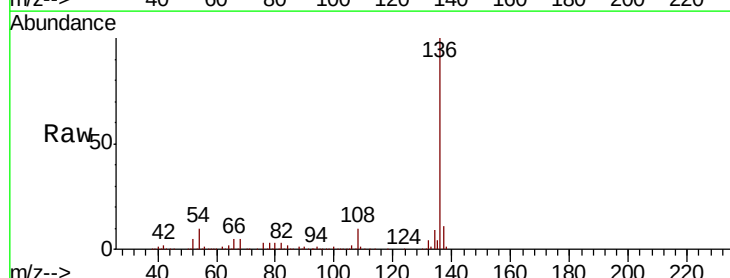
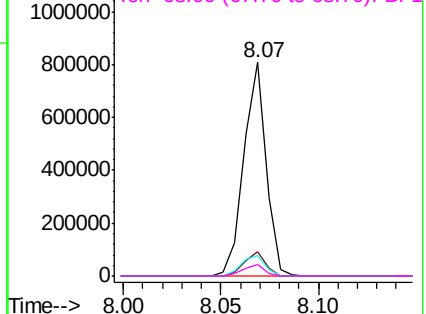
136 100

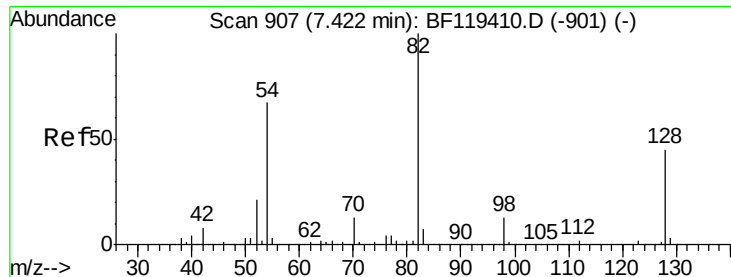
137 11.1 8.7 13.1

54 9.8 9.1 13.7

68 5.4 4.6 6.8

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





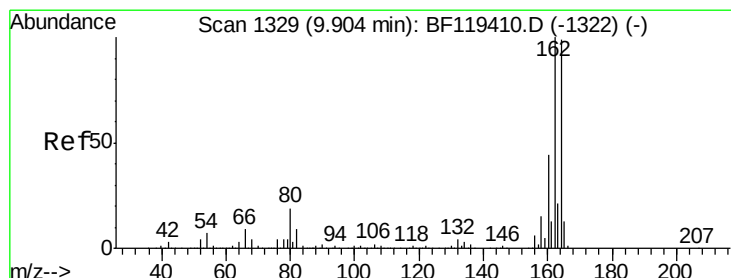
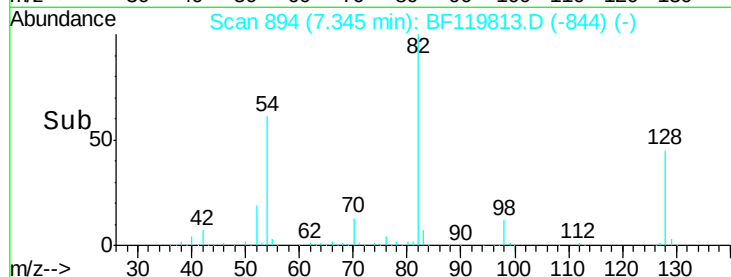
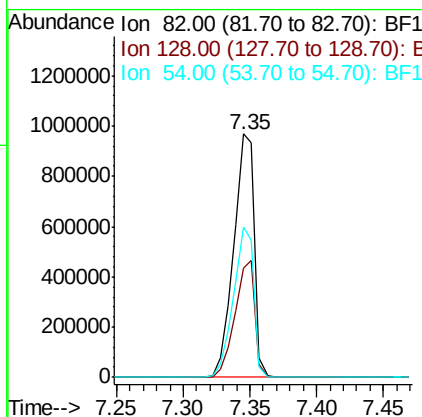
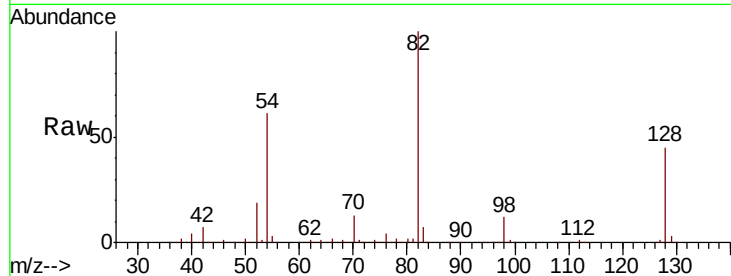
#23
Nitrobenzene-d5
Concen: 89.291 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

Tot Ion: 82 Resp: 1052643
Ion Ratio Lower Upper
82 100
128 45.1 36.3 54.5
54 61.5 50.6 75.8

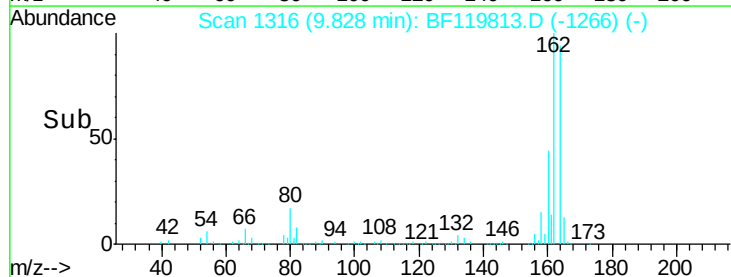
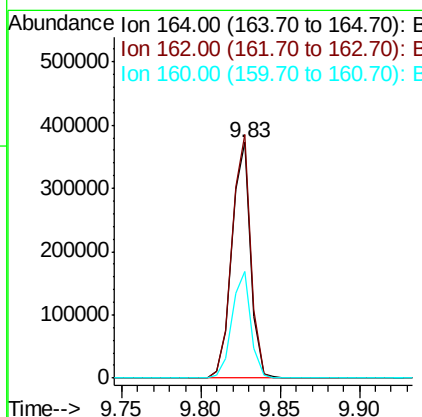
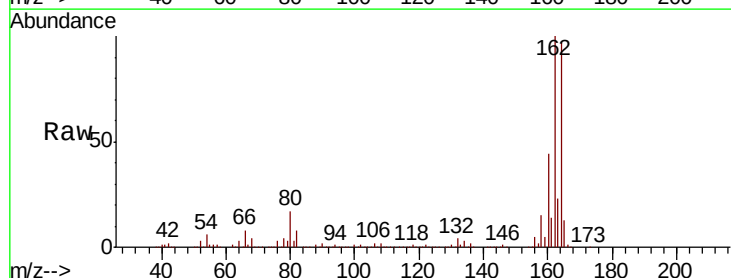
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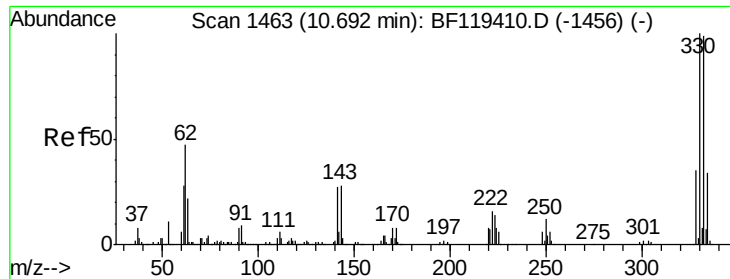
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion: 164 Resp: 305856
Ion Ratio Lower Upper
164 100
162 103.4 80.6 121.0
160 45.2 35.7 53.5





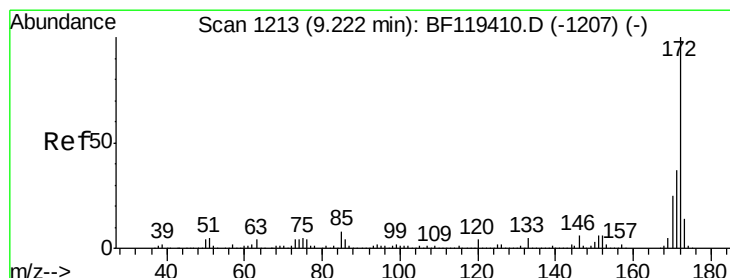
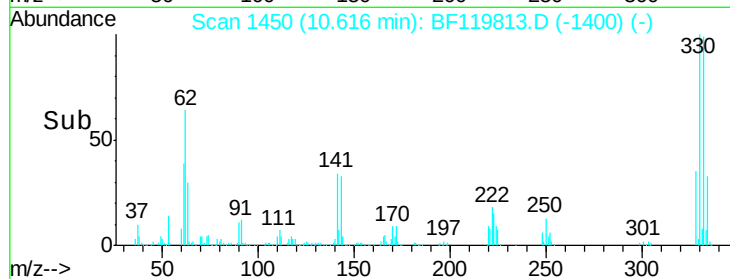
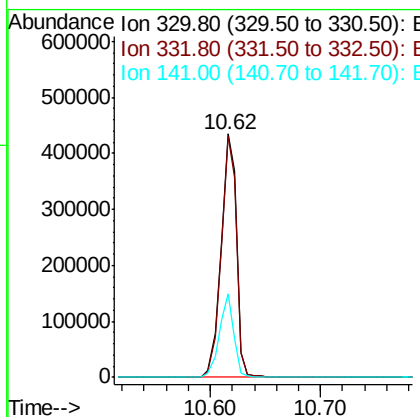
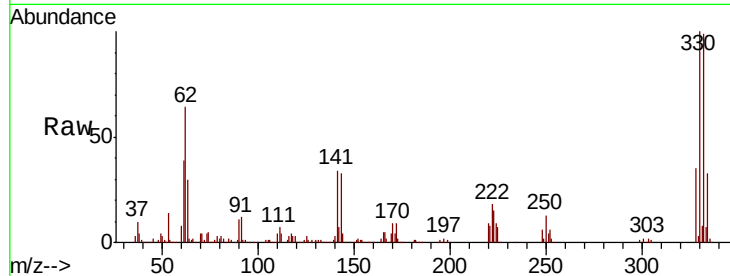
#42
 2,4,6-Tribromophenol
 Concen: 134.729 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	425126		
332	97.4	75.7	113.5	
141	32.0	25.4	38.0	

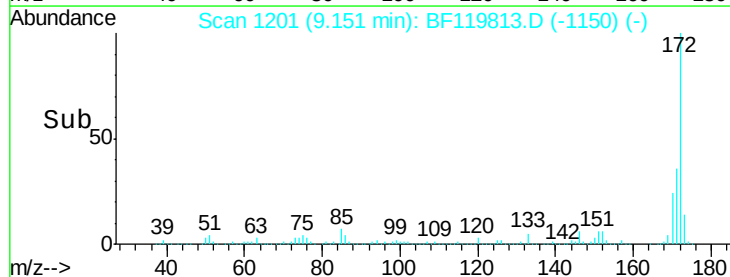
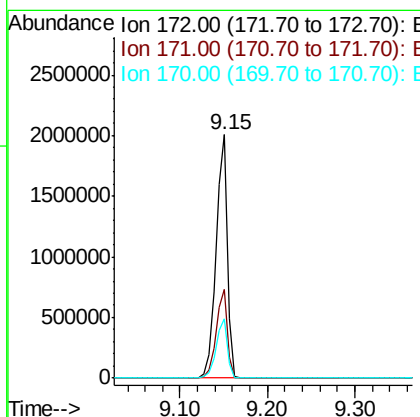
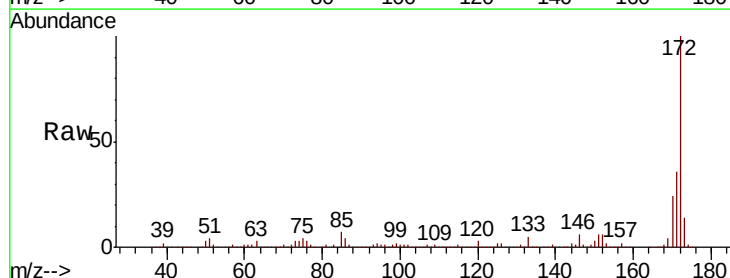
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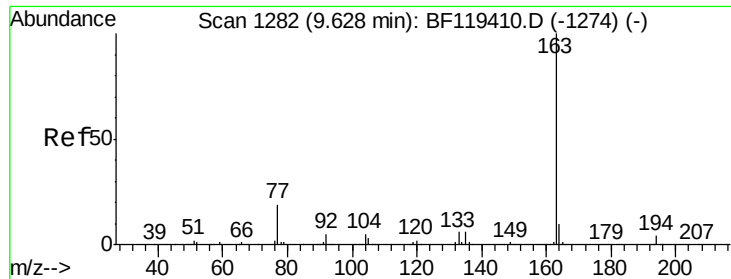
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#45
 2-Fluorobiphenyl
 Concen: 86.811 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1792250		
171	36.3	29.6	44.4	
170	24.3	20.2	30.2	





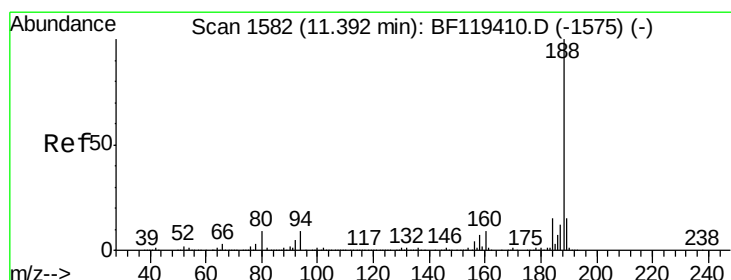
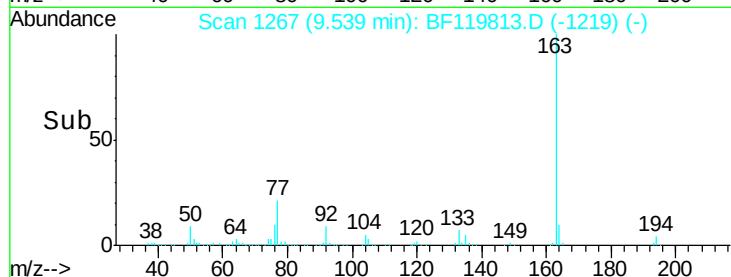
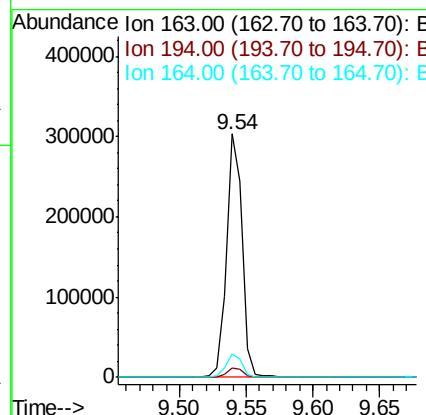
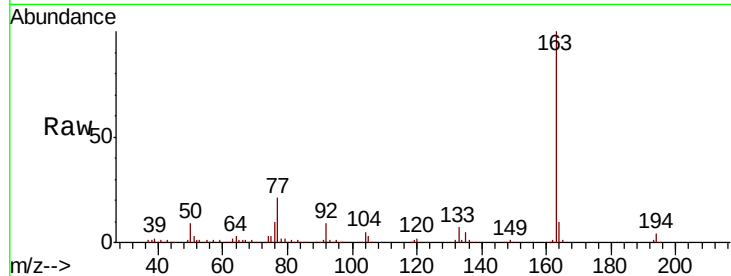
#50
Dimethylphthalate
Concen: 11.556 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	251050		
194	3.7		3.1	4.7
164	9.9		8.2	12.2

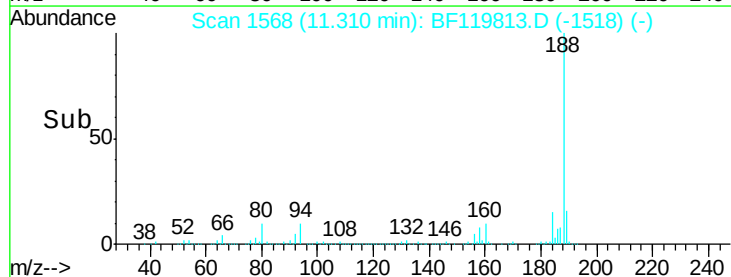
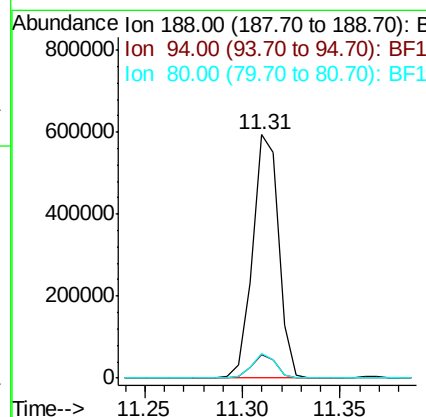
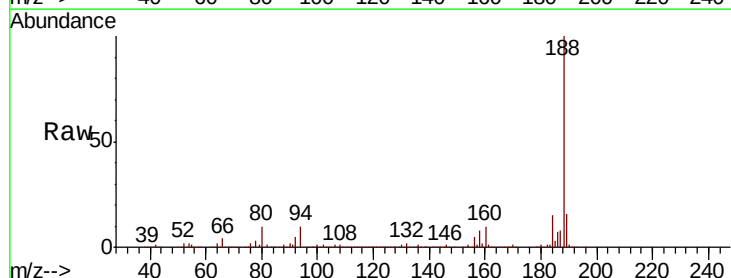
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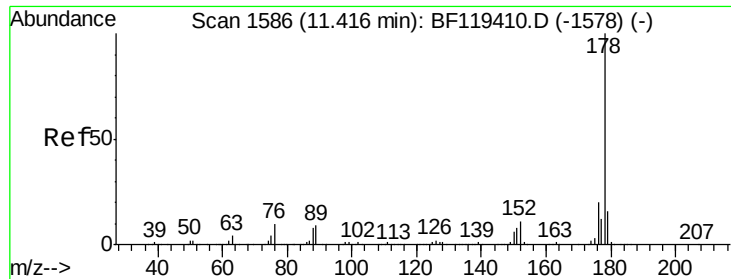
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	549311		
94	9.5		7.5	11.3
80	9.9		9.0	13.4





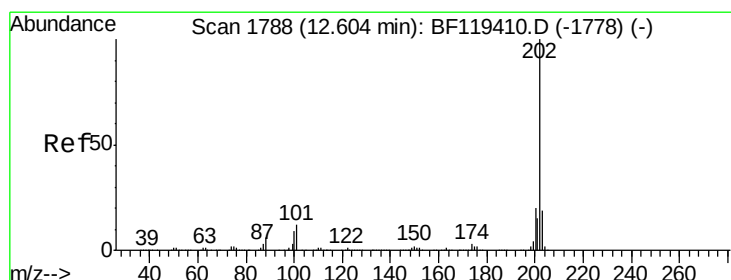
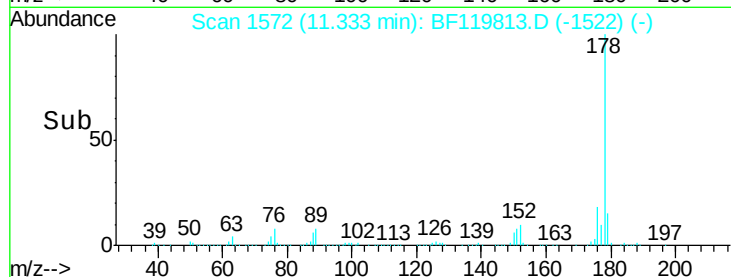
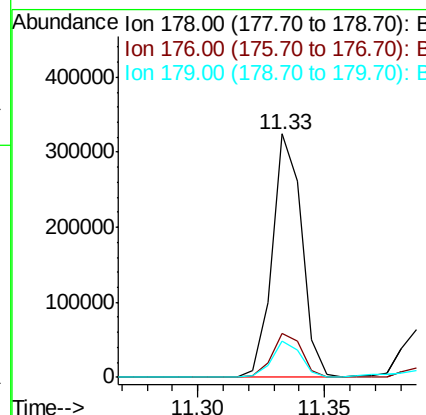
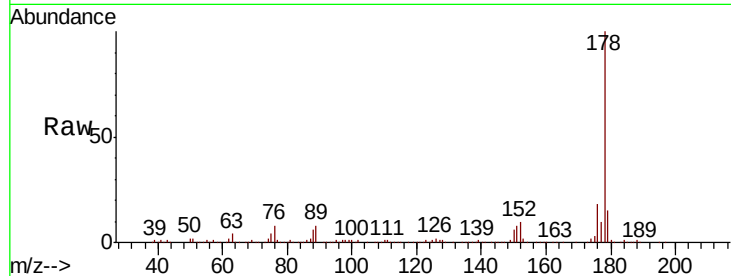
#71
Phenanthrene
Concen: 9.293 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	15.0	13.2	19.8

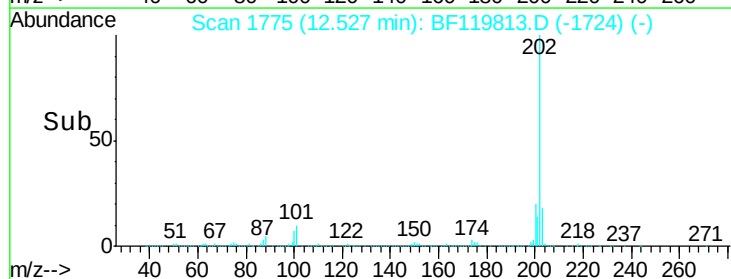
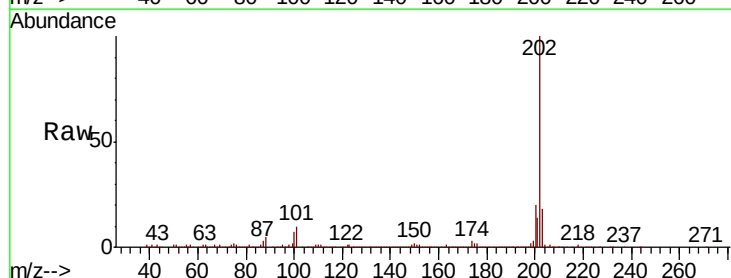
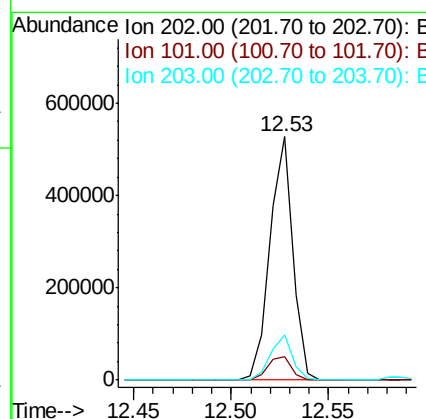
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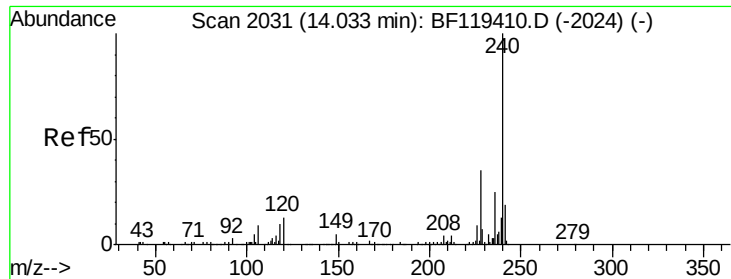
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#75
Fluoranthene
Concen: 13.907 ng
RT: 12.53 min Scan# 1775
Delta R.T. 0.00 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	32.2
203	18.4	0.0	38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Instrument :

BNA_F

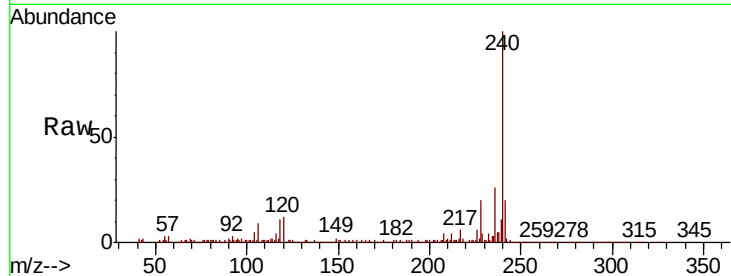
ClientSampleId :

FK-GF-02-056-B

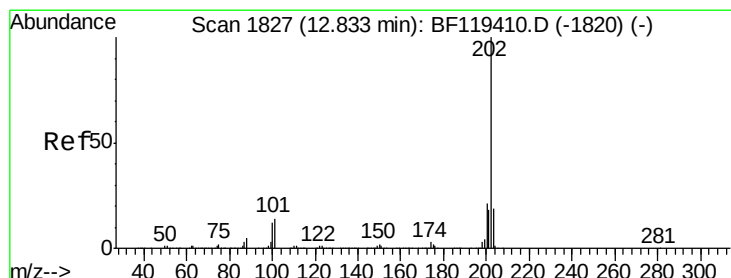
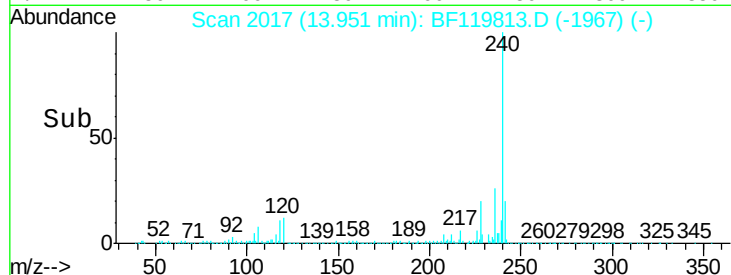
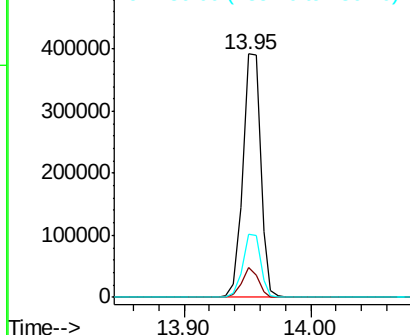
Tot Ion:	240	Resp:	379222
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.6	15.8
236	25.8	20.2	30.2

Manual Integrations
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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

Pyrene

Concen: 12.737 ng

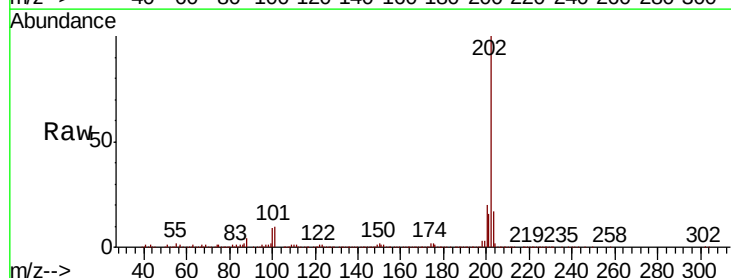
RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

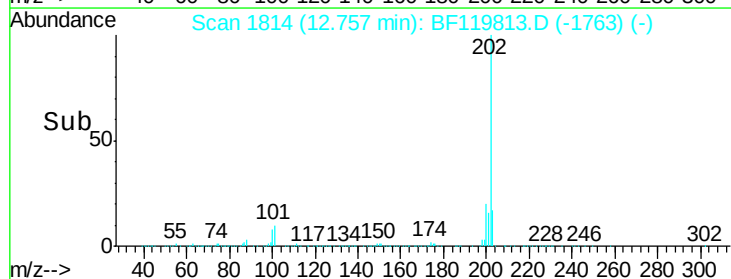
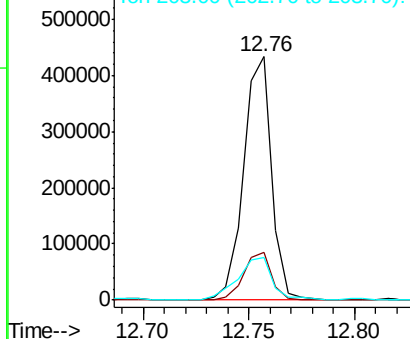
Lab File: BF119813.D

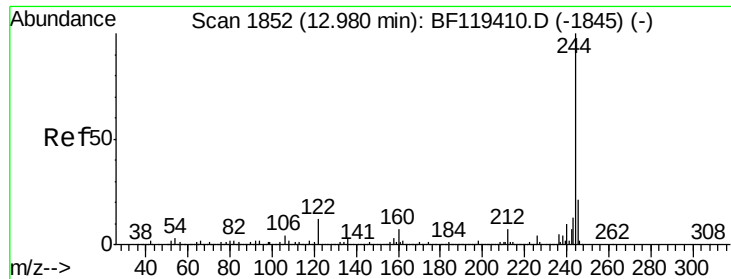
Acq: 7 Apr 2020 11:15

Tgt Ion:	202	Resp:	396401
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.8	25.2
203	17.5	15.1	22.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





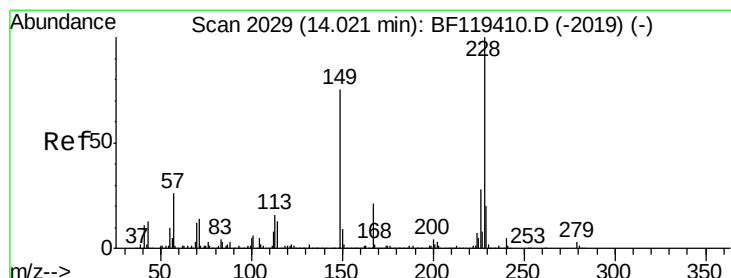
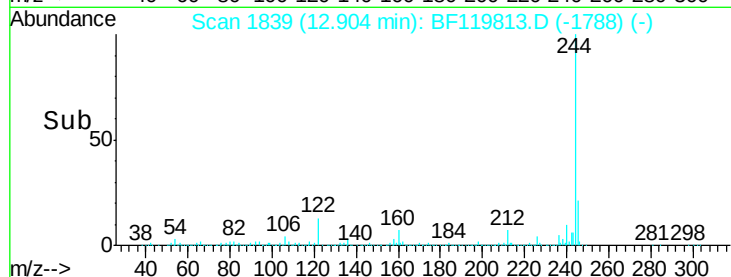
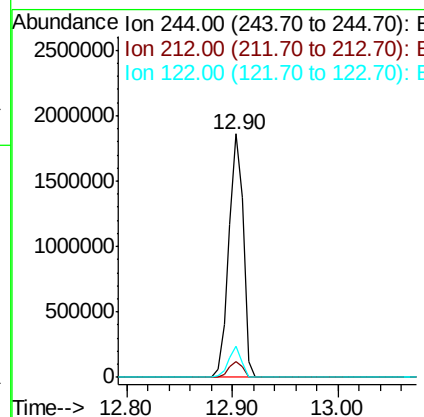
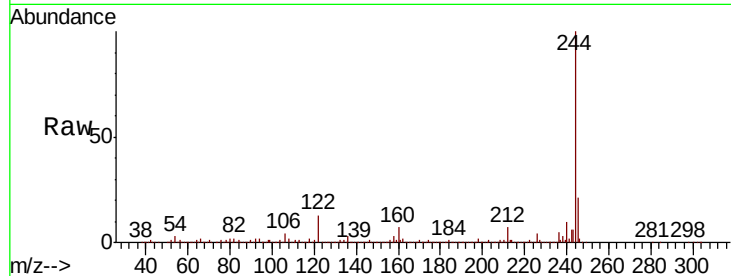
#79
 Terphenyl-d14
 Concen: 91.315 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-056-B

Tot Ion:244 Resp: 1767479
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 12.7 10.3 15.5

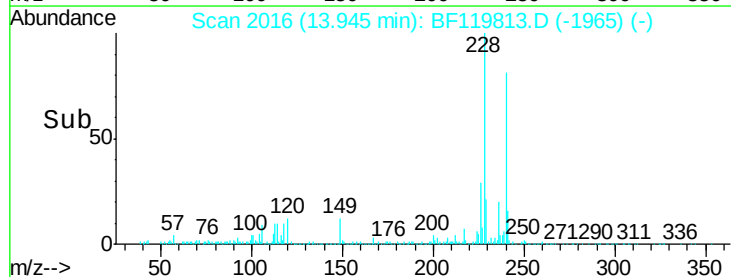
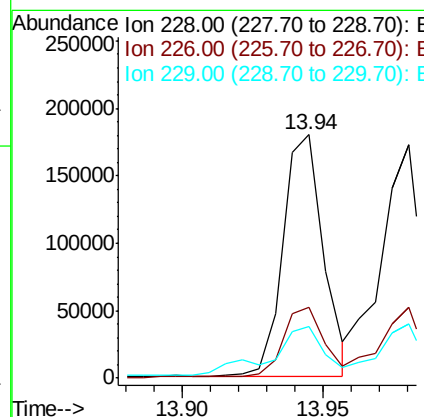
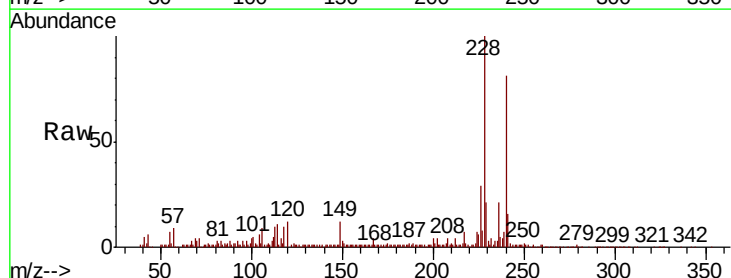
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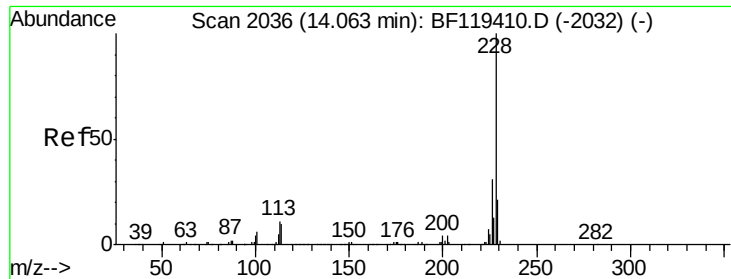
mohammad
 4/8/2020 8:12:49 AM



#81
 Benzo(a)anthracene
 Concen: 7.201 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF119813.D
 Acq: 7 Apr 2020 11:15

Tgt Ion:228 Resp: 177588
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.8 32.8
 229 21.3 16.2 24.4





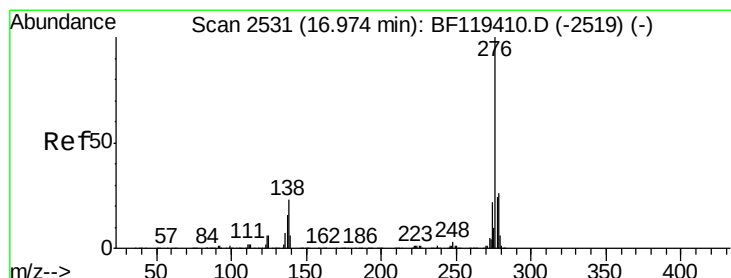
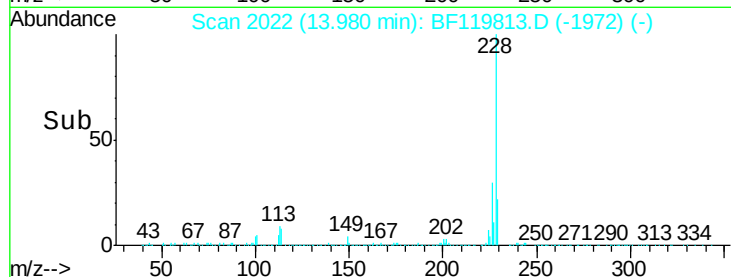
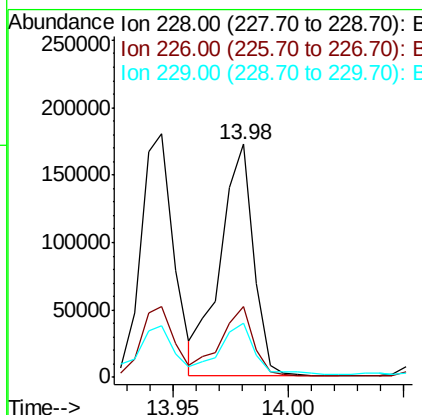
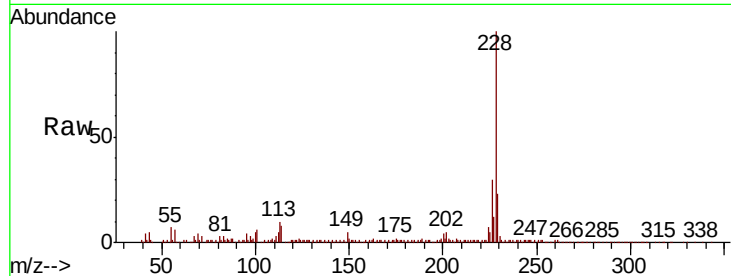
#83
Chrysene
Concen: 6.834 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	23.2	16.6	24.8

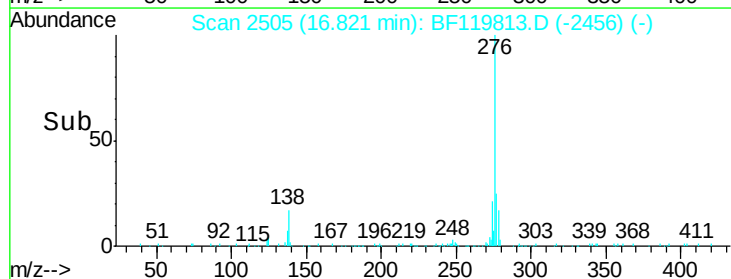
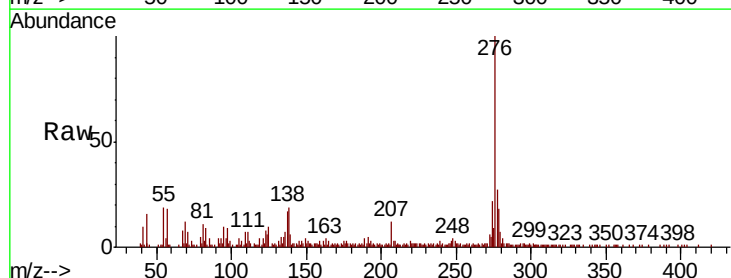
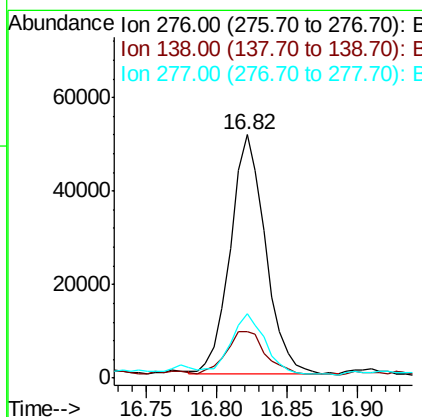
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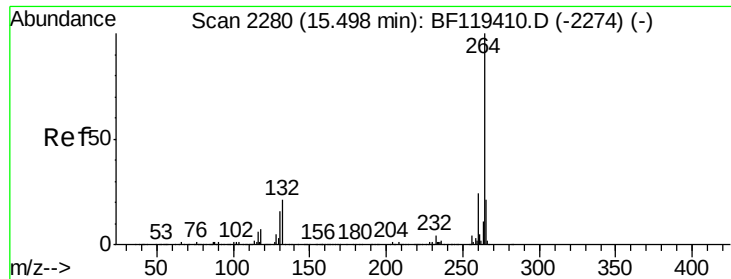
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.685 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.6	29.4
277	25.7	20.0	30.0





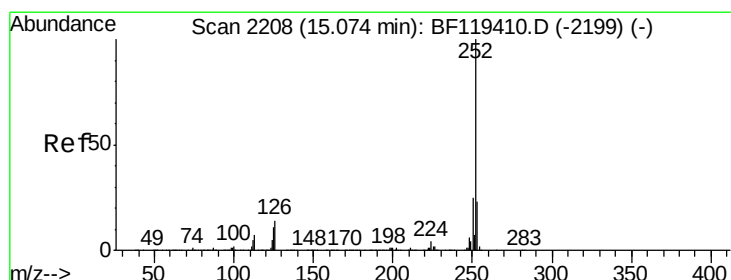
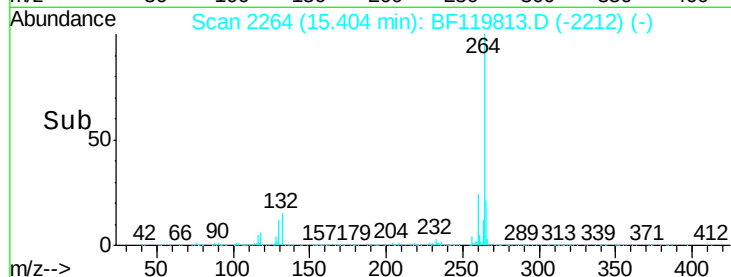
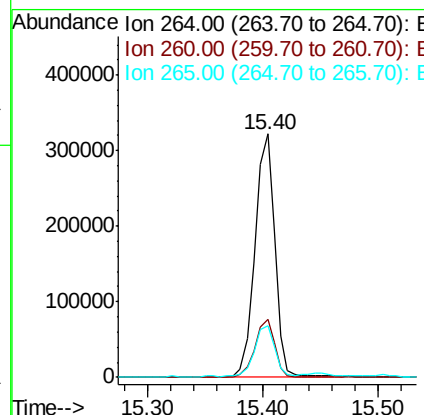
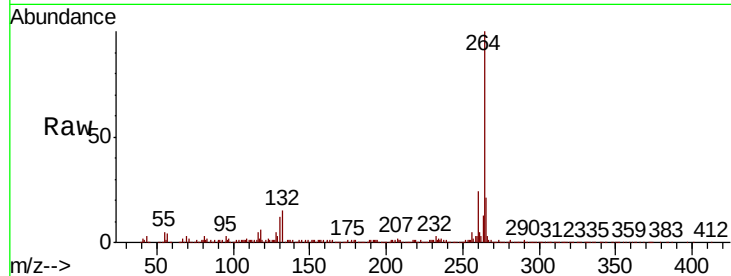
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-056-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.5	17.7	26.5

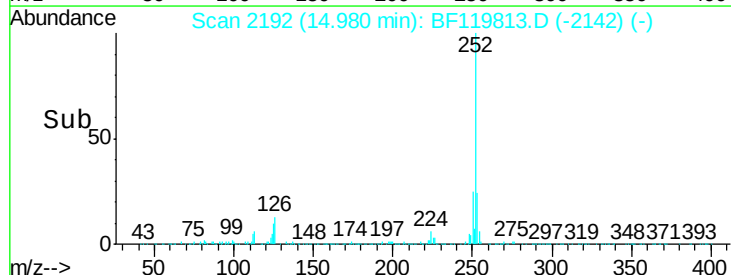
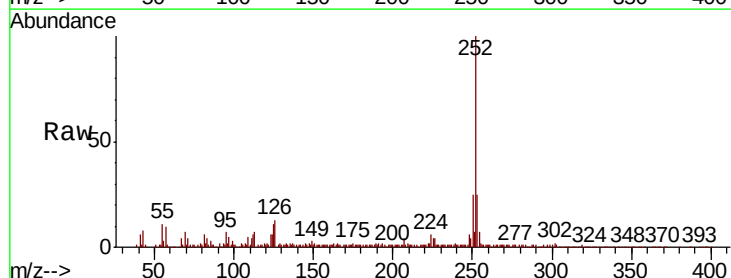
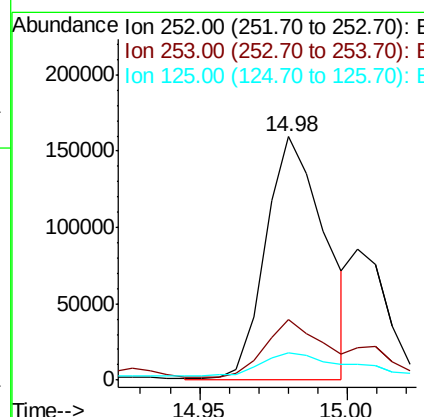
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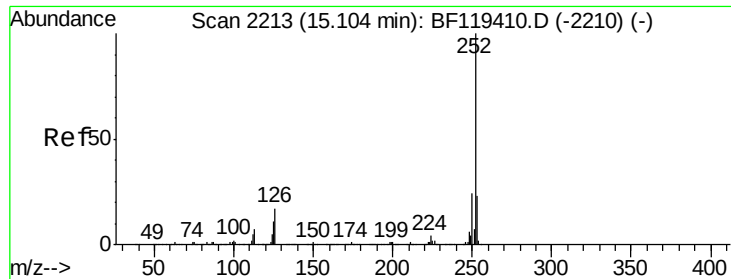
mohammad
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#88
Benzo(b)fluoranthene
Concen: 8.731 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF119813.D
Acq: 7 Apr 2020 11:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.0
125	11.4	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 3.134 ng/mL

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Instrument :

BNA_F

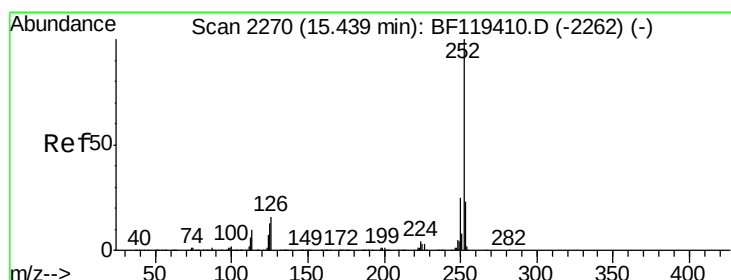
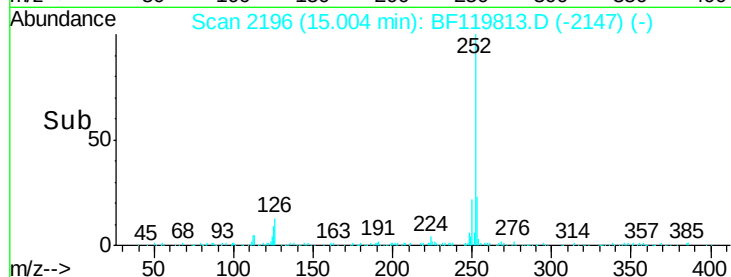
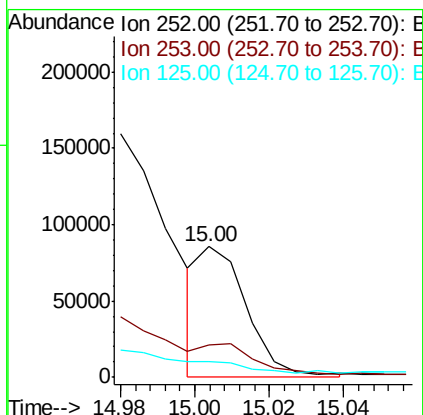
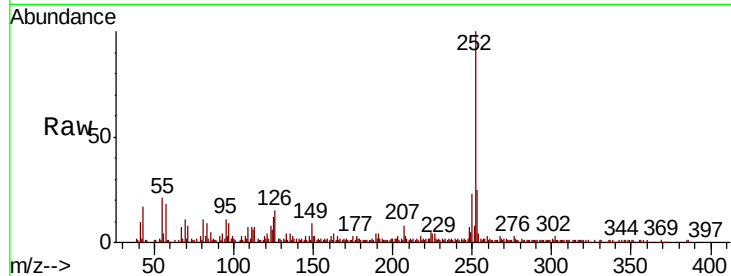
ClientSampleId :

FK-GF-02-056-B

Tot Ion:	252	Resp:	76258
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.8	26.6
125	12.4	8.4	12.6

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#90

Benzo(a)pyrene

Concen: 6.635 ng/mL

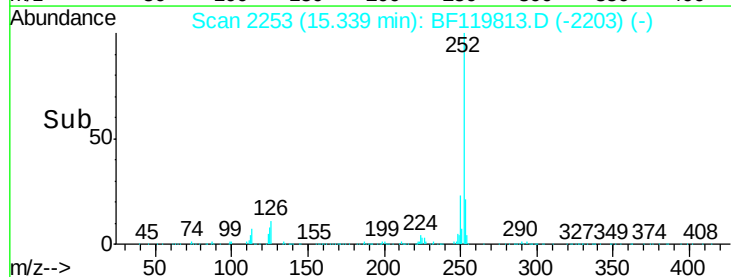
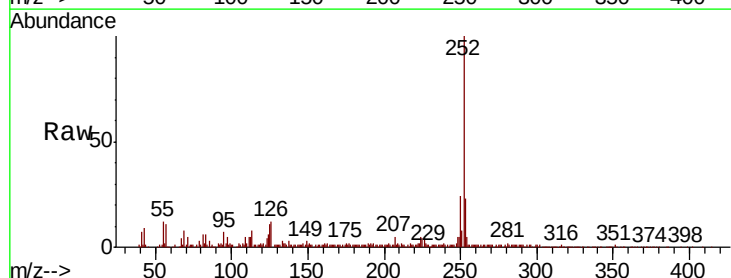
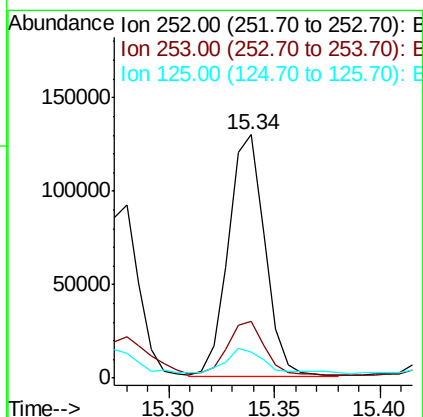
RT: 15.34 min Scan# 2253

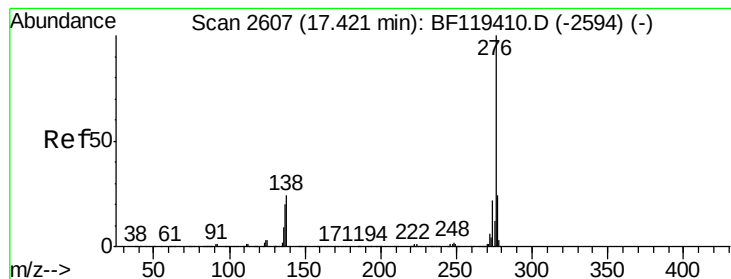
Delta R.T. -0.01 min

Lab File: BF119813.D

Acq: 7 Apr 2020 11:15

Tgt Ion:	252	Resp:	154086
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	10.5	9.4	14.2





#92

Benzo(a,h,i)perylene

Concen: 4.224 ng

RT: 17.25 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF119813.D

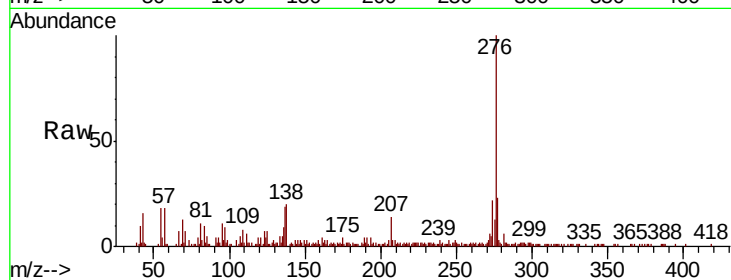
Acq: 7 Apr 2020 11:15

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-056-B



Tot Ion:	276	Resp:	86206
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.4	27.6
138	19.7	15.4	23.0

Manual Integrations
APPROVED

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4/8/2020 8:12:49 AM

