

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
 Data File : BF121218.D
 Acq On : 6 Aug 2020 23:14
 Operator : JU/CG
 Sample : L3573-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-016-B

Manual Integrations
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mohammad
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Quant Time: Aug 07 04:07:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	140783	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	559740	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	289307	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	530829	20.00	ng	0.00
76) Chrysene-d12	13.96	240	386193	20.00	ng	0.00
86) Perylene-d12	15.42	264	363245	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	399405	46.51	ng	-0.01
7) Phenol-d6	6.43	99	487177	43.92	ng	-0.02
23) Nitrobenzene-d5	7.35	82	316863	32.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	139379	44.01	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	613642	31.67	ng	-0.01
79) Terphenyl-d14	12.90	244	549361	30.92	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.55	163	98976	4.742	ng	98
71) Phenanthrene	11.34	178	77987	2.857	ng	97
75) Fluoranthene	12.53	202	273974	9.054	ng	98
78) Pyrene	12.76	202	266985	9.778	ng	98
81) Benzo(a)anthracene	13.95	228	174009	7.441	ng	98
83) Chrysene	13.99	228	154405	6.283	ng	96
87) Indeno(1,2,3-cd)pyrene	16.86	276	77363	3.062	ng	97
88) Benzo(b)fluoranthene	15.00	252	219420m	9.993	ng	
89) Benzo(k)fluoranthene	15.02	252	66545m	3.323	ng	
90) Benzo(a)pyrene	15.36	252	153377	7.656	ng	96
92) Benzo(g,h,i)perylene	17.29	276	74363	3.655	ng	96

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

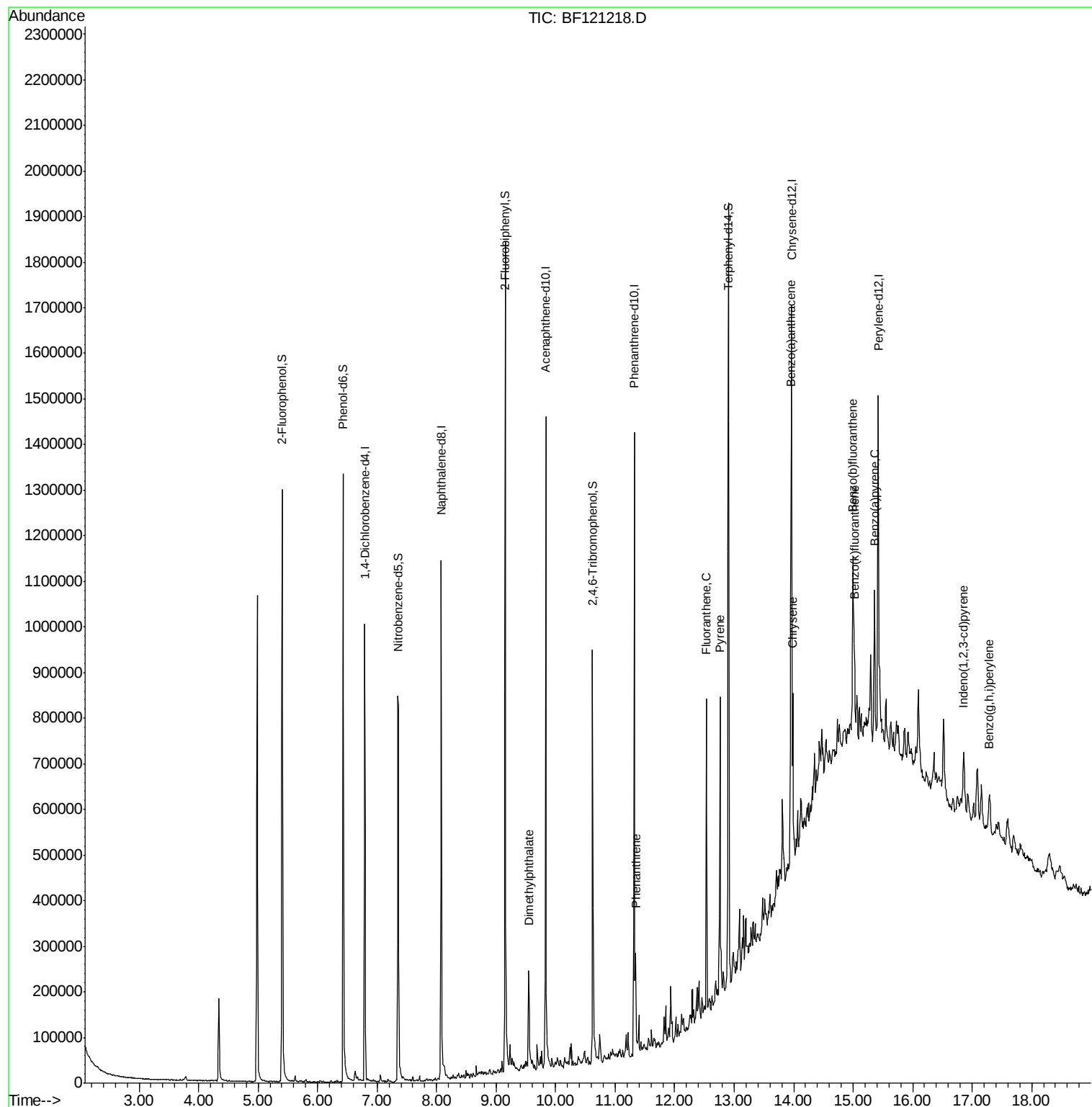
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121218.D
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Operator : JU/CG
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#1

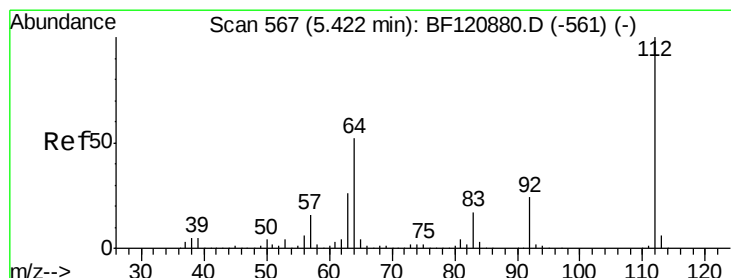
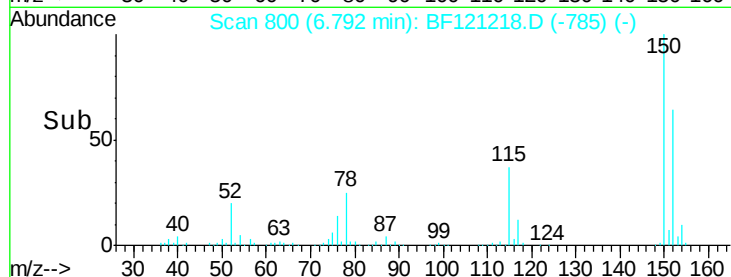
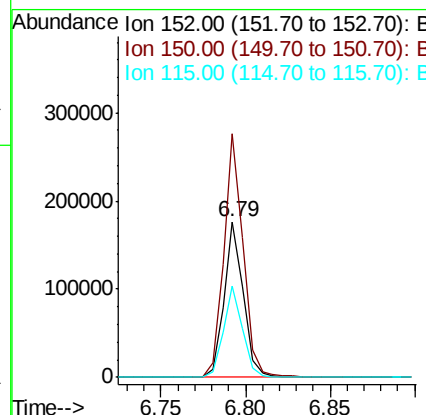
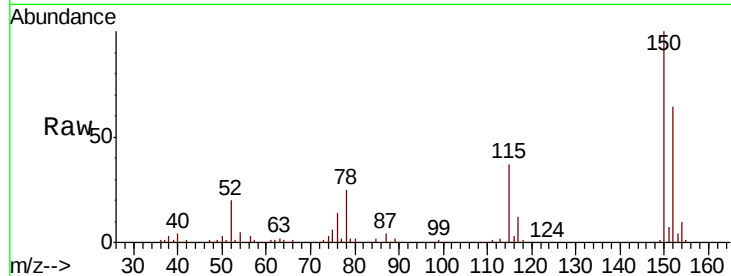
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-016-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.6	188.4
115	58.7	46.2	69.2

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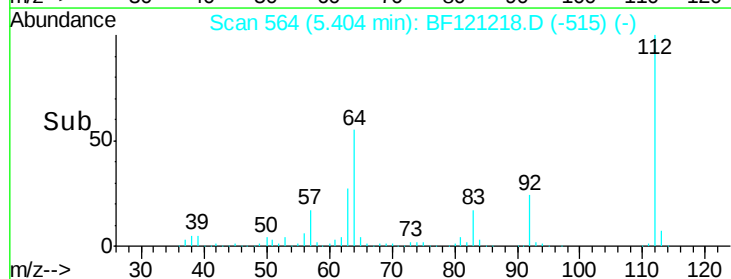
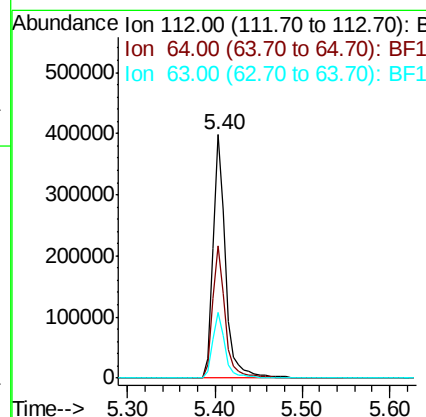
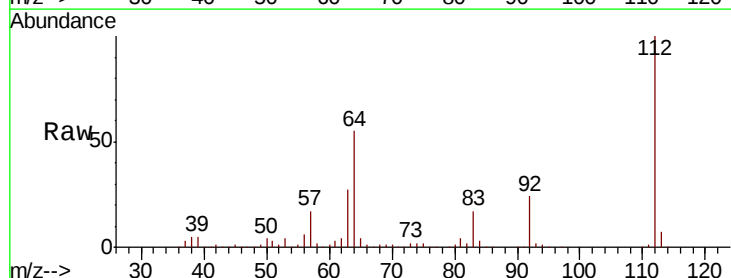
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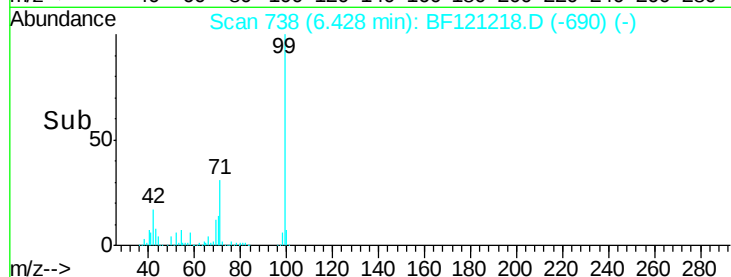
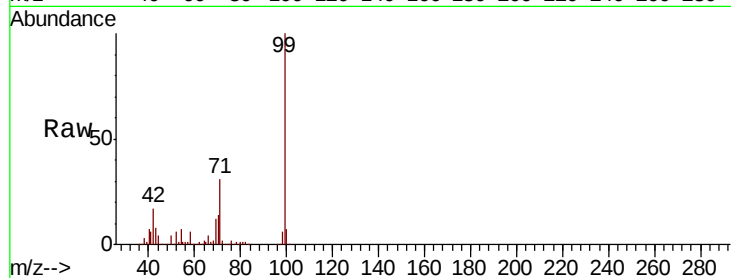
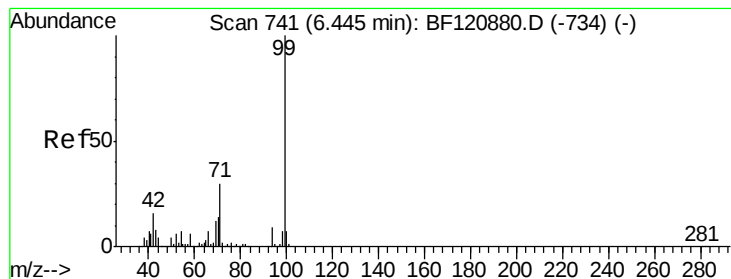


#5

2-Fluorophenol
Concen: 46.509 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	43.9	65.9
63	27.2	22.7	34.1





#7

Phenol-d6

Concen: 43.917 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121218.D

Acq: 6 Aug 2020 23:14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		487177		
42	17.2	13.5	20.3		
71	30.6	25.0	37.4		

Instrument :

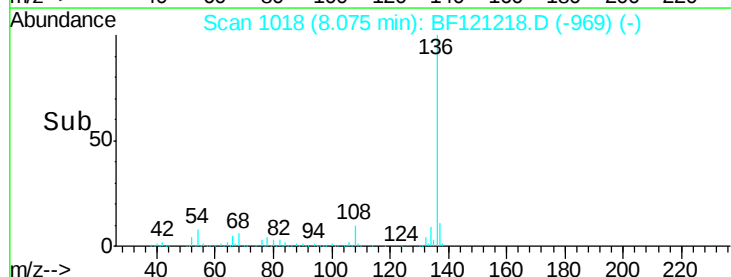
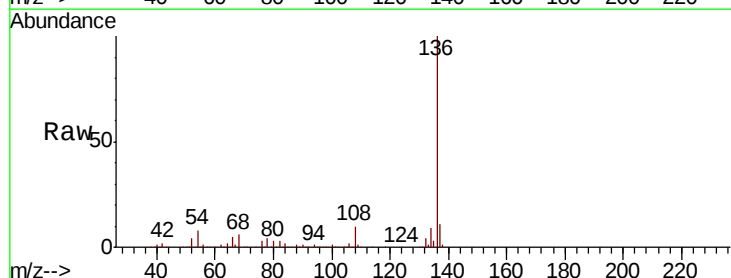
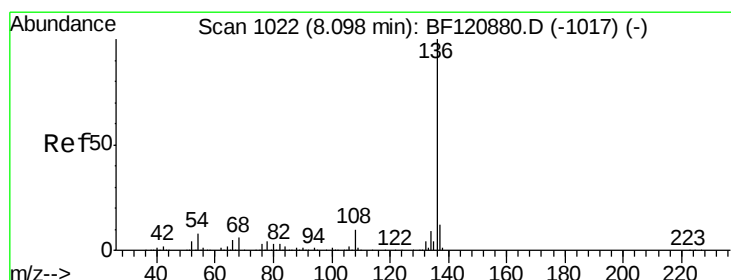
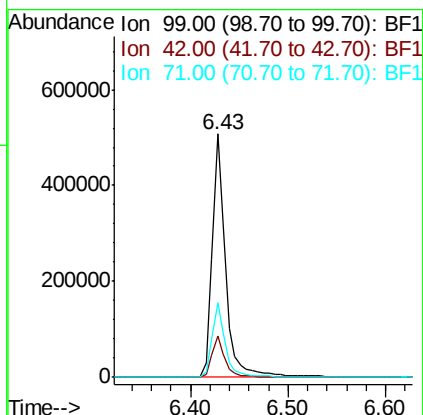
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

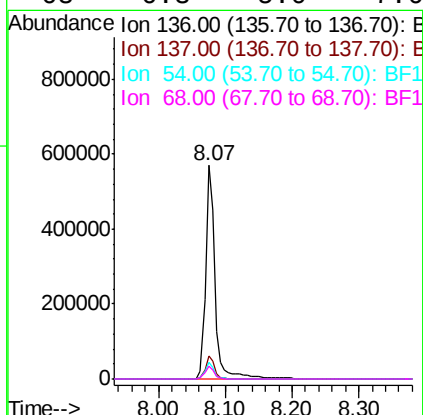
RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121218.D

Acq: 6 Aug 2020 23:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		559740		
137	11.1	9.0	13.4		
54	8.0	6.1	9.1		
68	6.3	5.0	7.6		





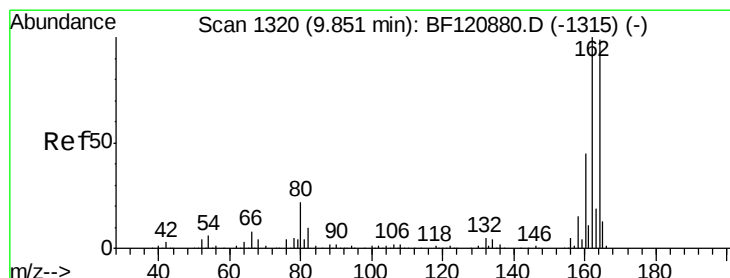
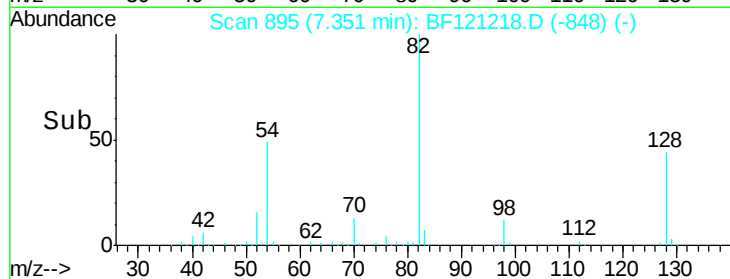
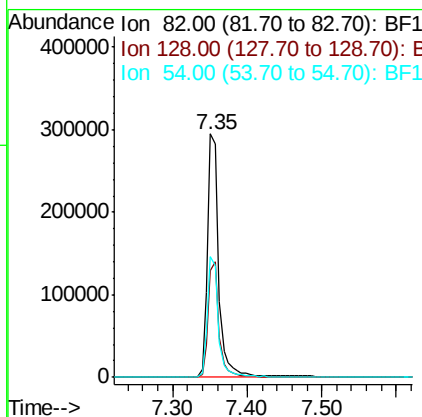
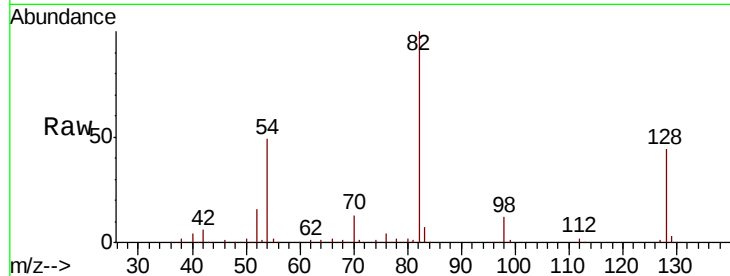
#23
 Nitrobenzene-d5
 Concen: 32.756 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: BF121218.D
 Acq: 6 Aug 2020 23:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-016-B

Tot Ion:	82	Resp:	316863
Ion Ratio	Lower	Upper	
82	100		
128	43.5	39.2	58.8
54	49.4	37.8	56.8

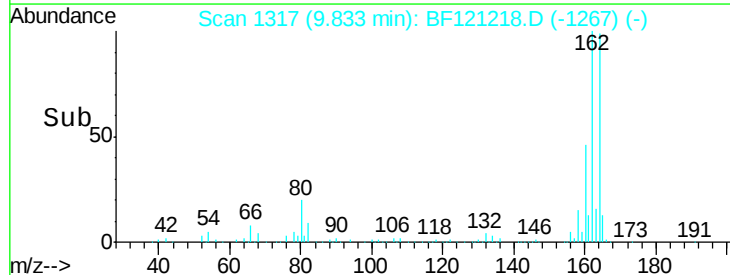
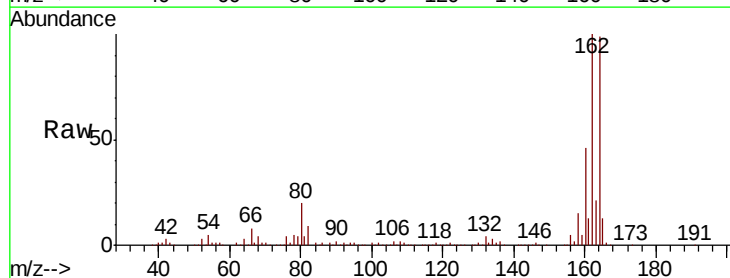
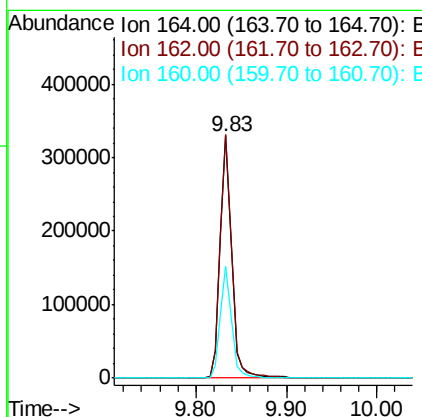
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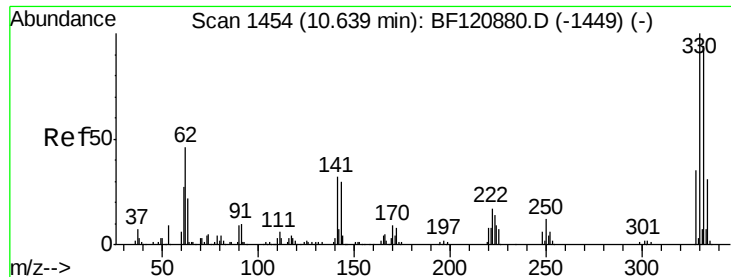
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF121218.D
 Acq: 6 Aug 2020 23:14

Tgt Ion:	164	Resp:	289307
Ion Ratio	Lower	Upper	
164	100		
162	100.7	82.2	123.2
160	46.5	37.2	55.8





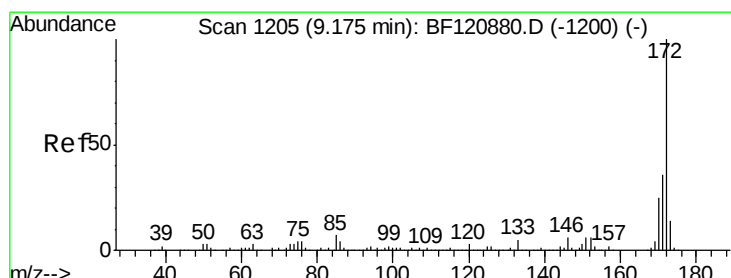
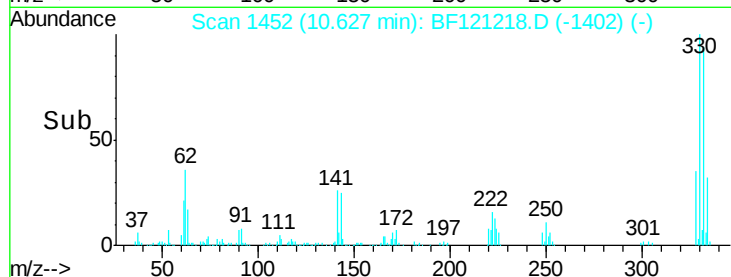
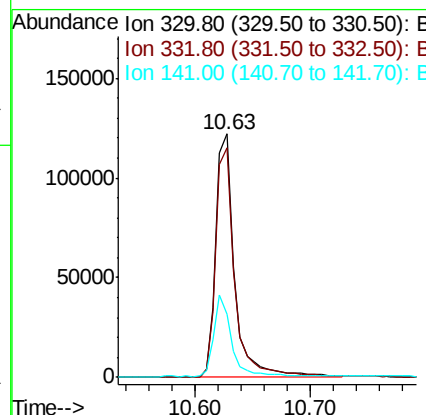
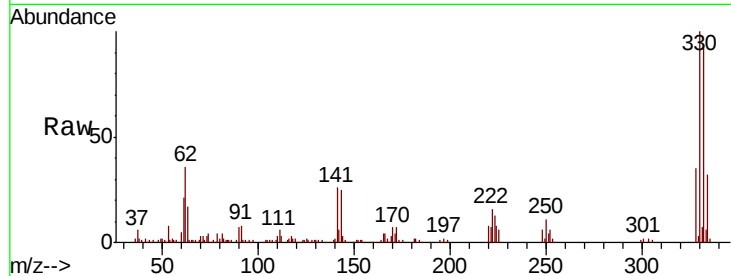
#42
 2,4,6-Tribromophenol
 Concen: 44.013 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121218.D
 Acq: 6 Aug 2020 23:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-016-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	139379		
332	96.5		76.1	114.1
141	31.2		24.1	36.1

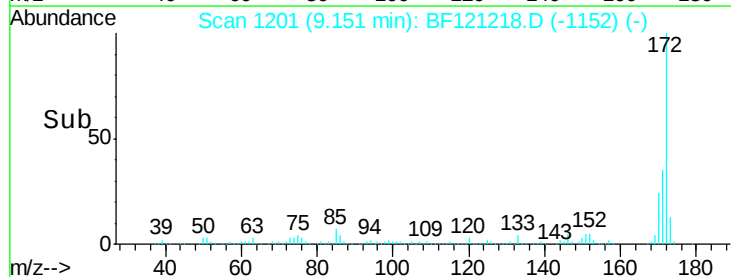
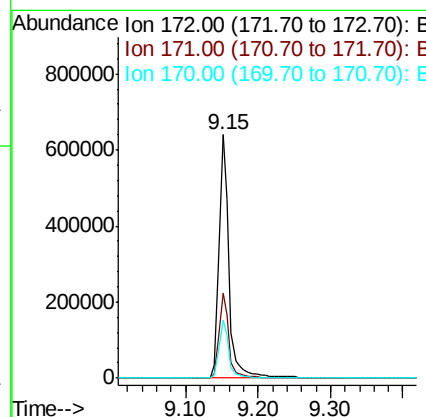
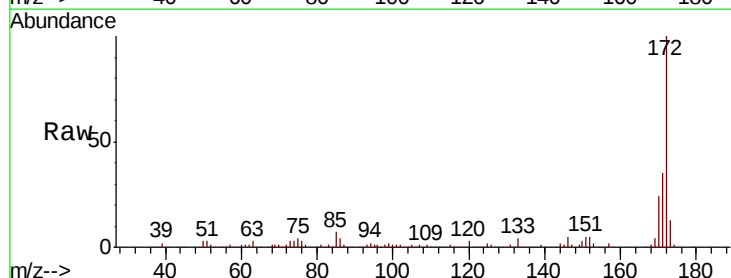
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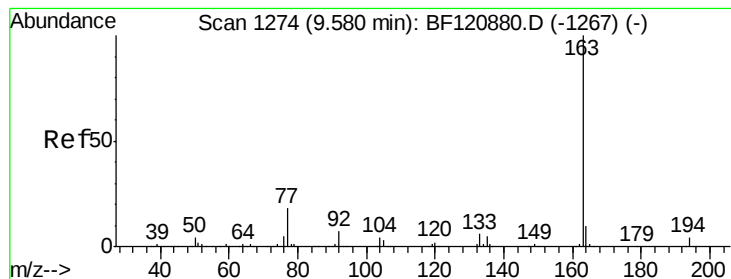
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#45
 2-Fluorobiphenyl
 Concen: 31.669 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121218.D
 Acq: 6 Aug 2020 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	613642		
171	34.7		29.0	43.4
170	23.6		19.6	29.4





#50

Dimethylphthalate

Concen: 4.742 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121218.D

Acq: 6 Aug 2020 23:14

Instrument :

BNA_F

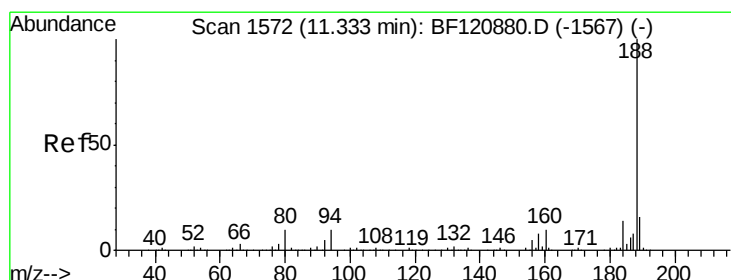
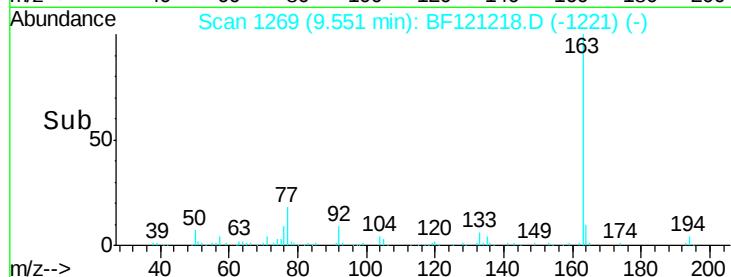
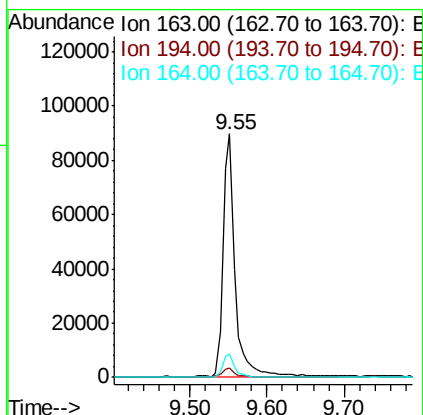
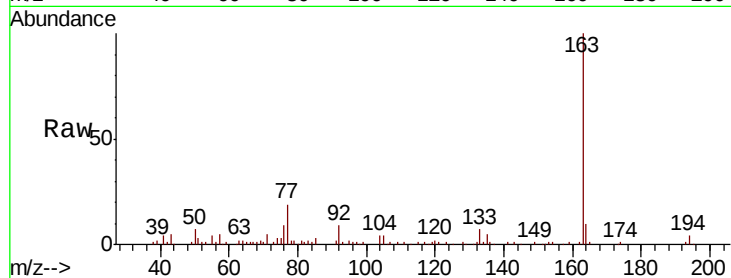
ClientSampleId :

FK-GF-03-016-B

Tot Ion:	163	Resp:	98976
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.0	4.4
164	9.5	8.4	12.6

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#64

Phenanthrene-d10

Concen: 20.000 ng

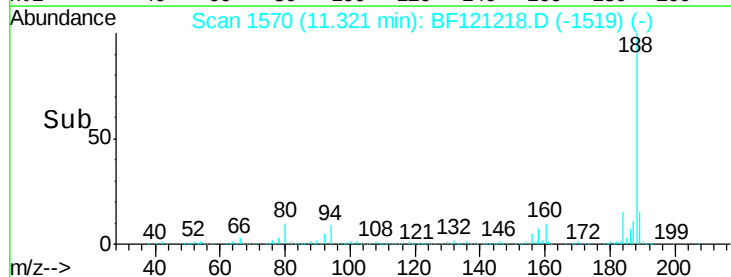
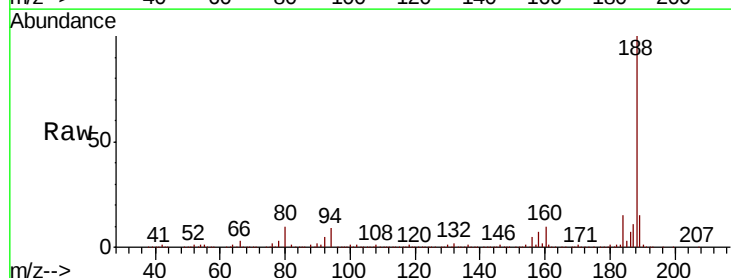
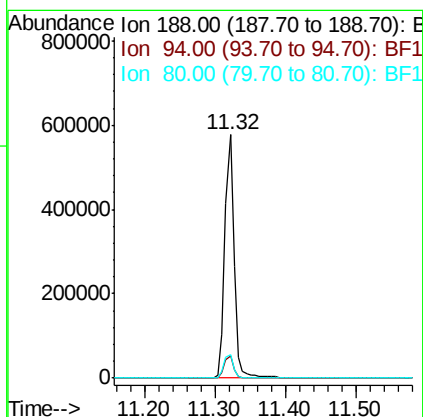
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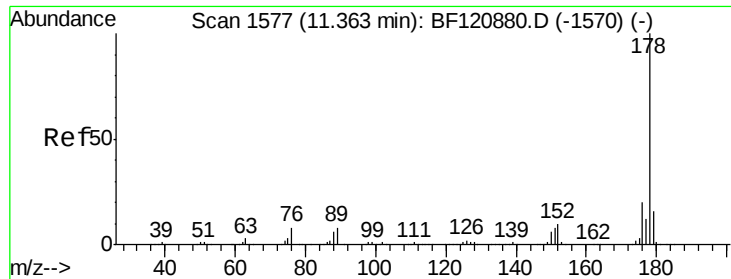
Delta R.T. -0.00 min

Lab File: BF121218.D

Acq: 6 Aug 2020 23:14

Tgt Ion:	188	Resp:	530829
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.0	12.0
80	9.6	8.3	12.5





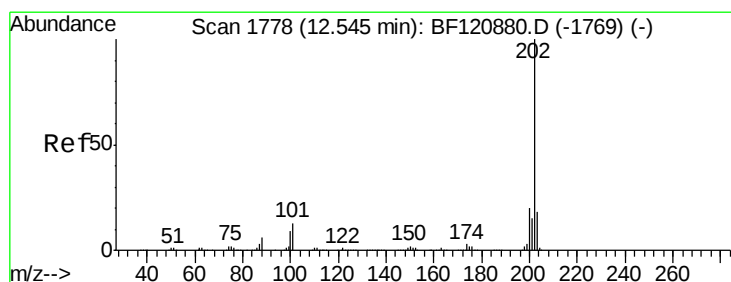
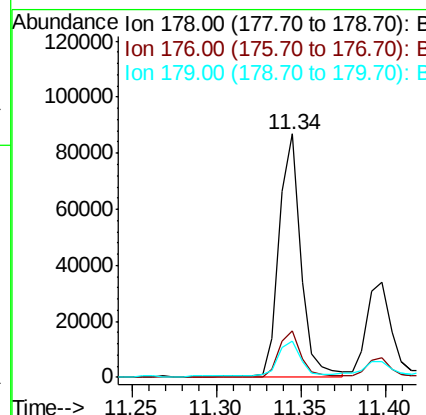
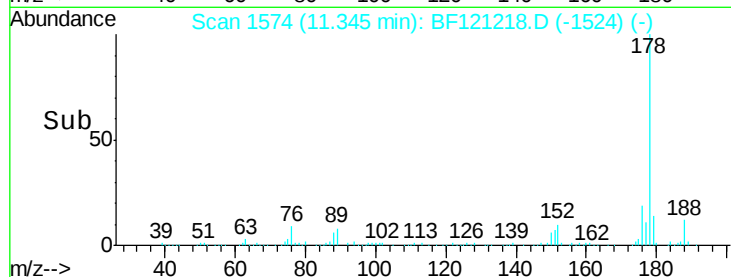
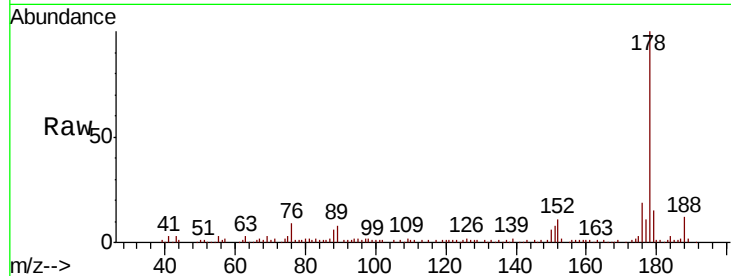
#71
Phenanthrene
Concen: 2.857 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-016-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.2
179	14.8	12.6	19.0

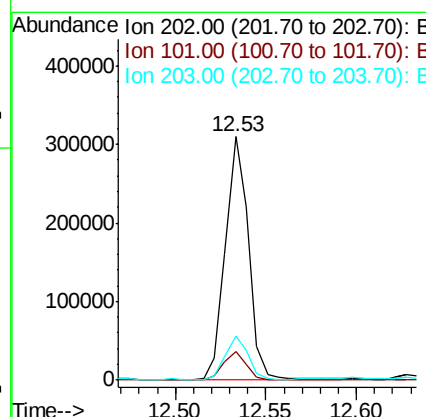
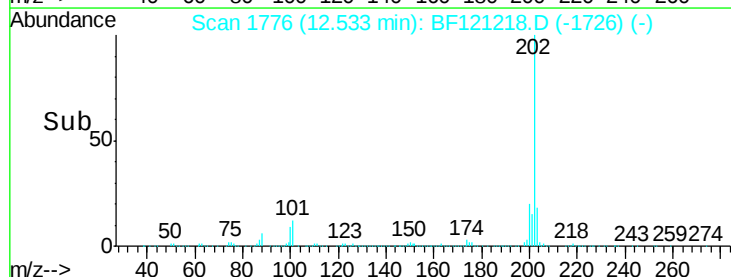
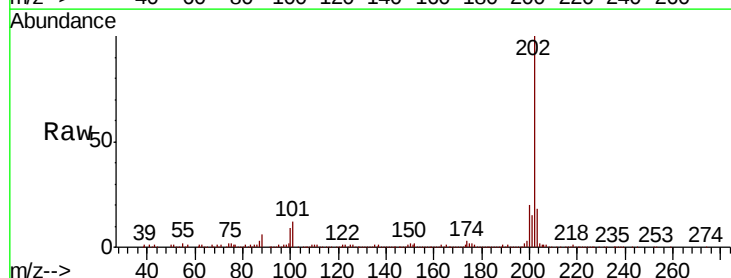
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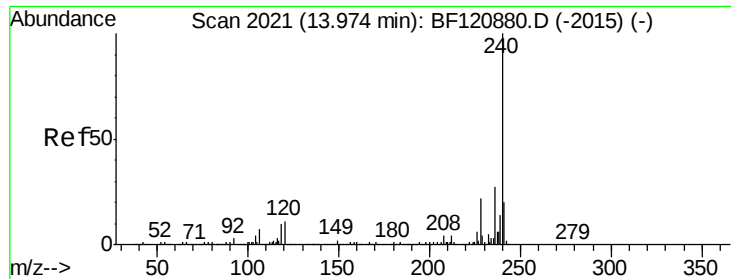
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#75
Fluoranthene
Concen: 9.054 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.5
203	18.0	0.0	37.7





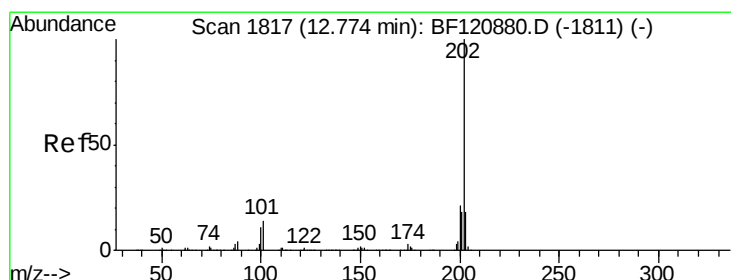
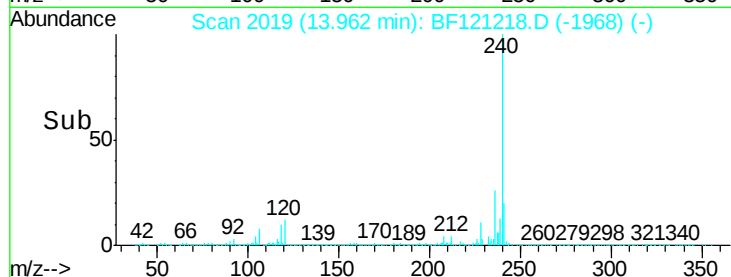
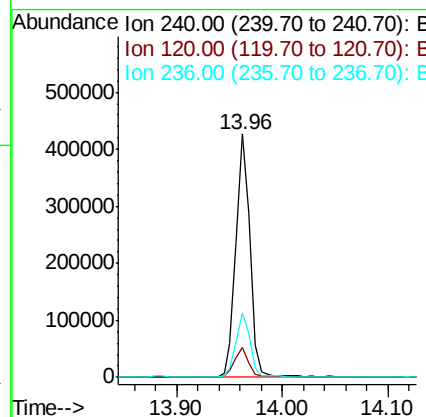
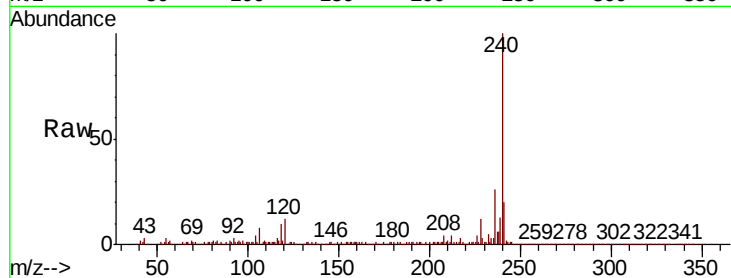
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-016-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.3	13.9
236	26.5	21.1	31.7

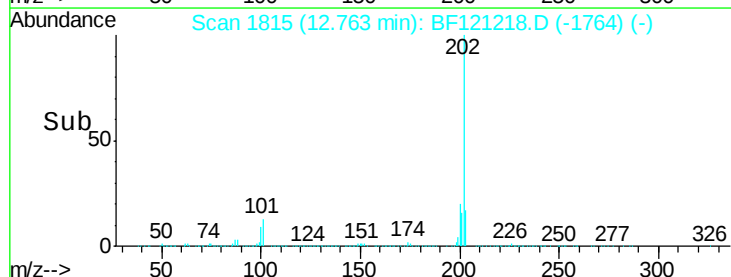
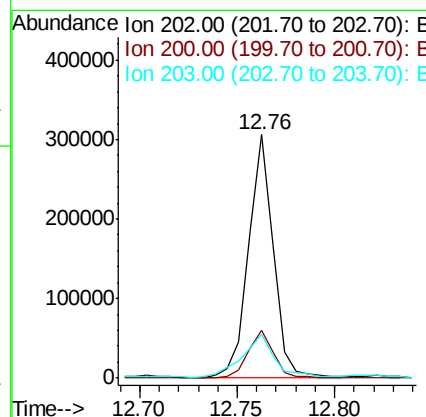
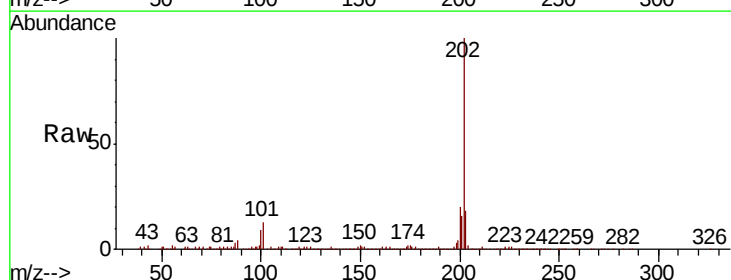
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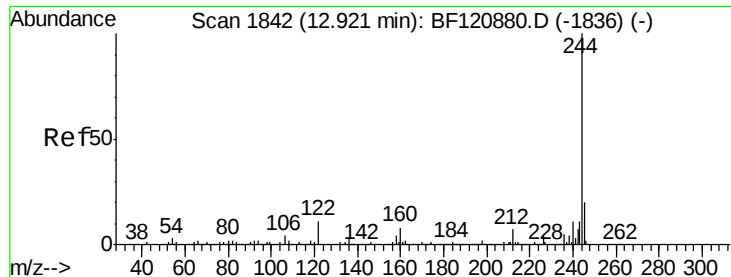
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#78
Pyrene
Concen: 9.778 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.6
203	17.8	14.6	21.8





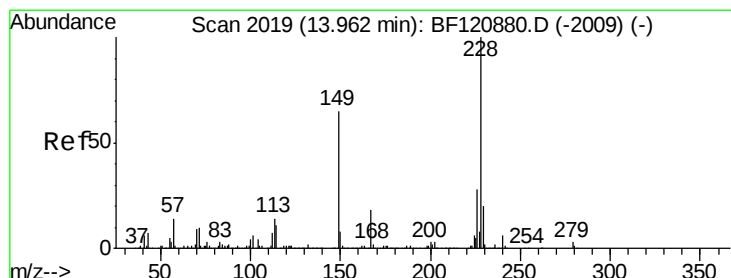
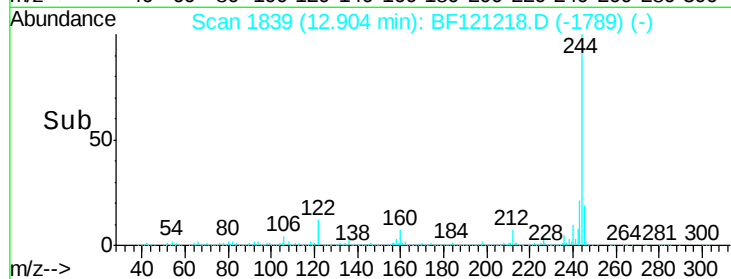
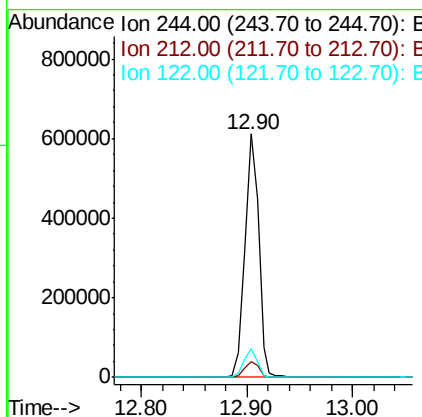
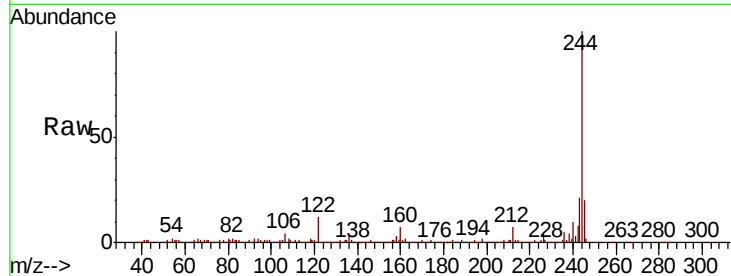
#79
 Terphenyl-d14
 Concen: 30.922 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF121218.D
 Acq: 6 Aug 2020 23:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-016-B

Tot Ion:244	Resp:	549361
Ion Ratio	Lower	Upper
244	100	
212	6.6	5.7 8.5
122	11.8	8.3 12.5

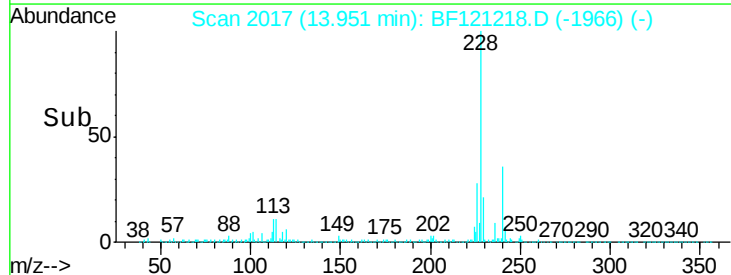
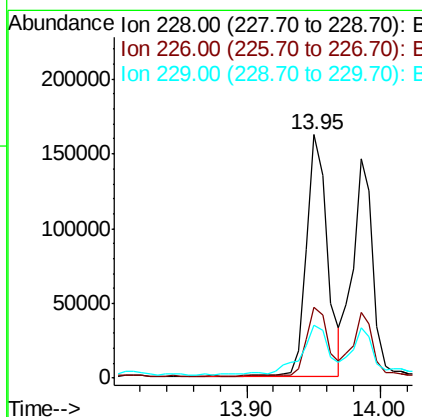
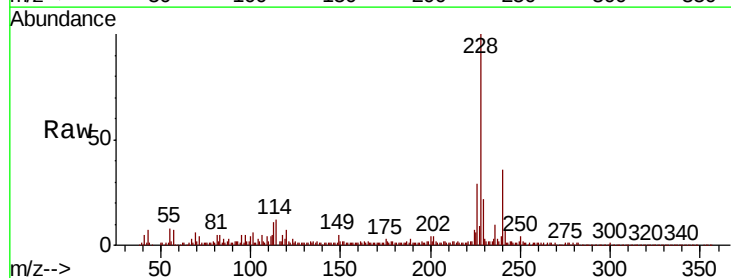
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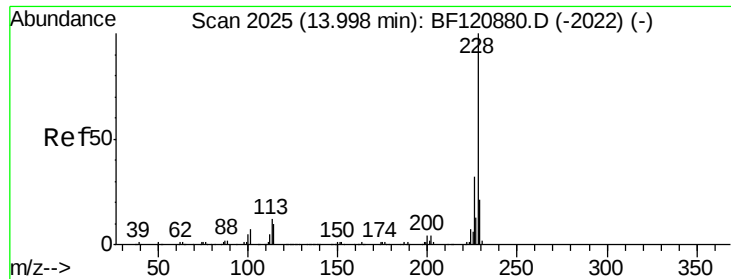
mohammad
 8/7/2020 1:51:19 PM



#81
 Benzo(a)anthracene
 Concen: 7.441 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF121218.D
 Acq: 6 Aug 2020 23:14

Tgt Ion:228	Resp:	174009
Ion Ratio	Lower	Upper
228	100	
226	29.0	22.6 34.0
229	21.6	16.1 24.1





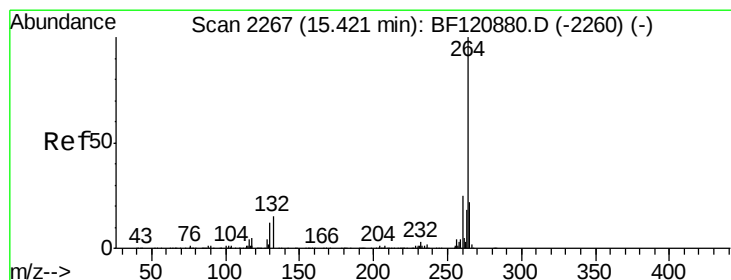
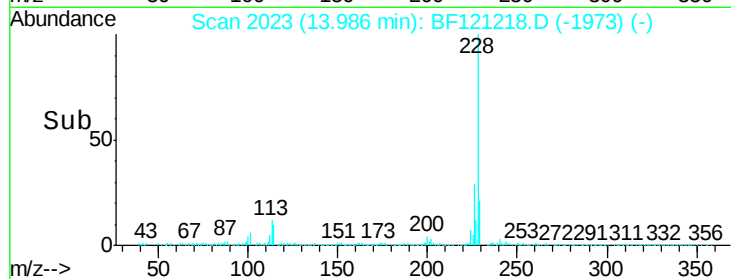
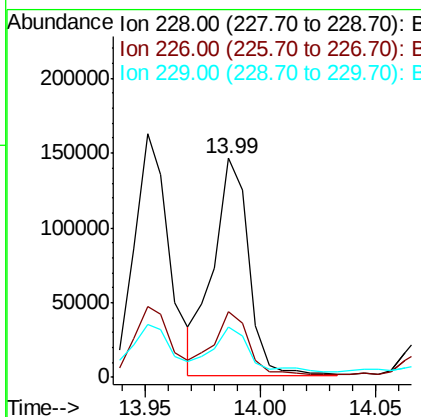
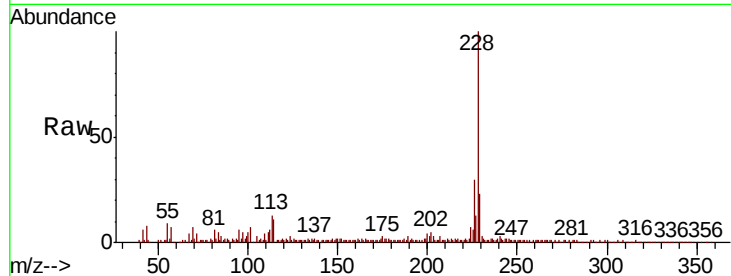
#83
Chrysene
Concen: 6.283 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-016-B

Tot Ion:	228	Resp:	154405
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.0
229	23.0	16.2	24.4

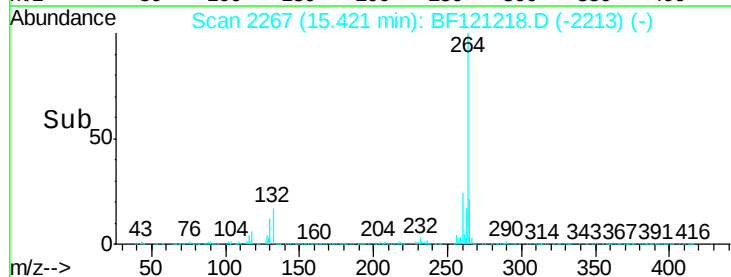
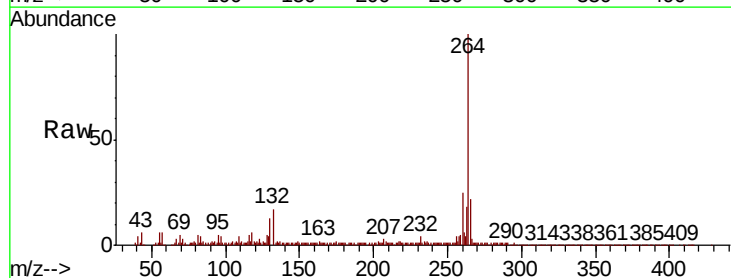
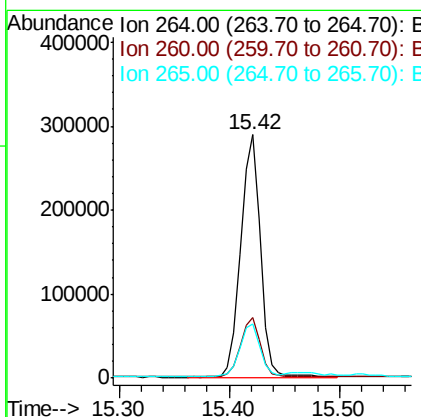
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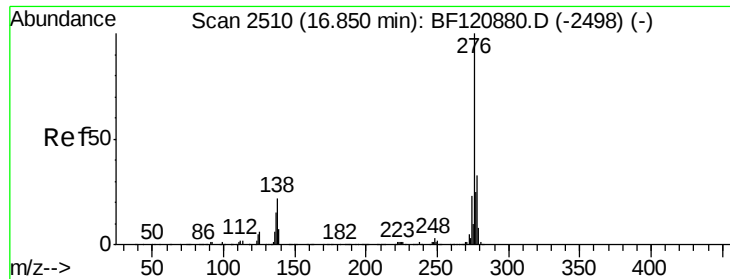
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Tgt Ion:	264	Resp:	363245
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.9	29.9
265	22.2	17.8	26.8





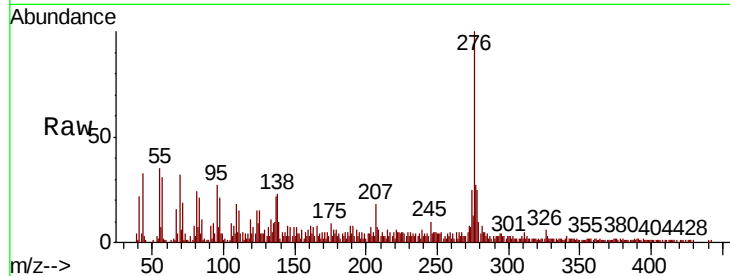
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.062 ng
RT: 16.86 min Scan# 2511
Delta R.T. 0.02 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-016-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.3	28.9
277	25.9	20.1	30.1

Manual Integrations
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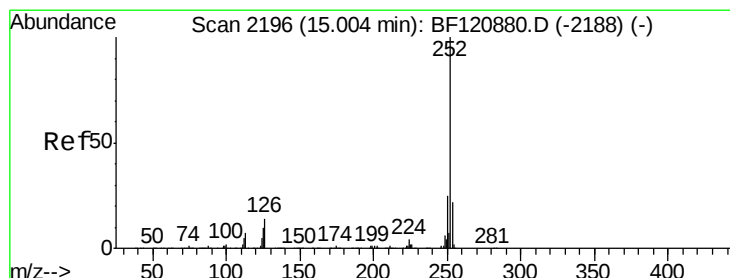
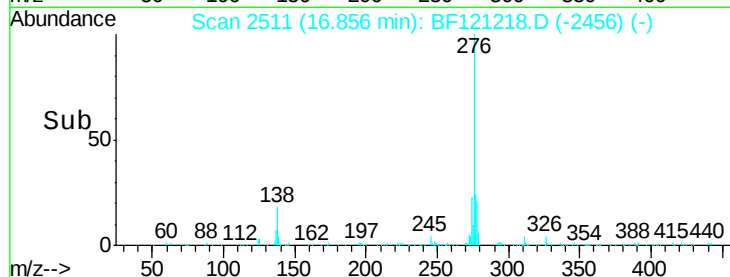
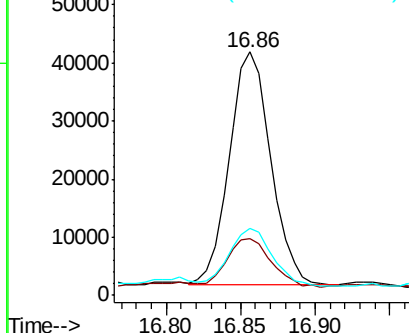


Abundance

Ion 276.00 (275.70 to 276.70): E

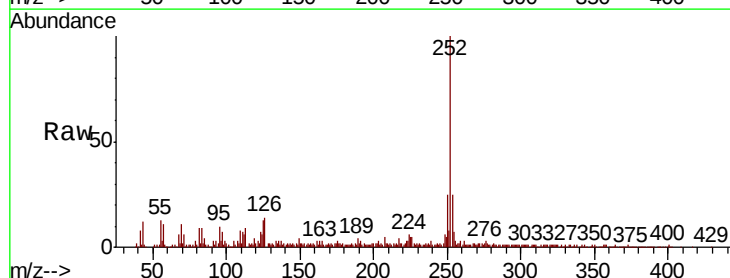
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
Benzo(b)fluoranthene
Concen: 9.993 ng m
RT: 15.00 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	13.2	8.1	12.1

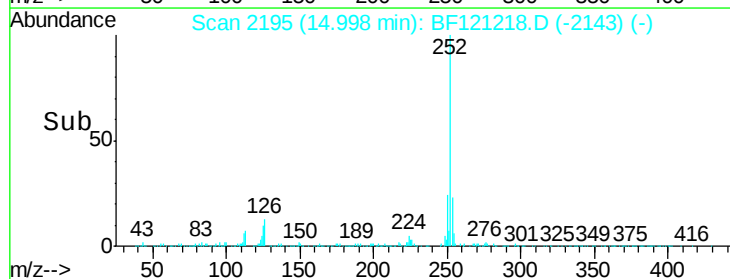
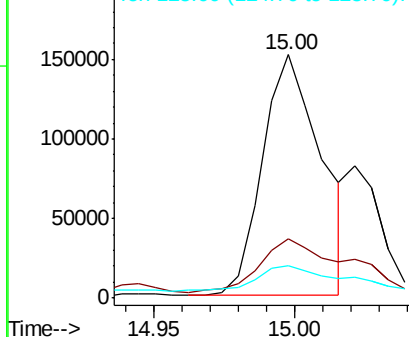


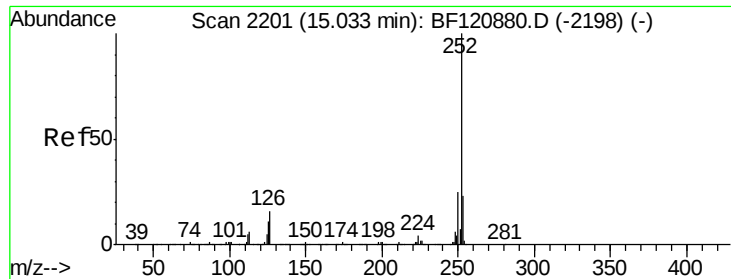
Abundance

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





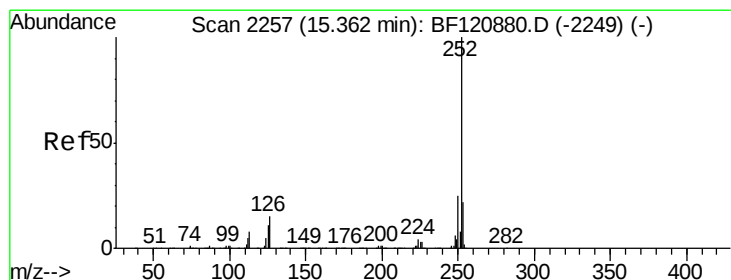
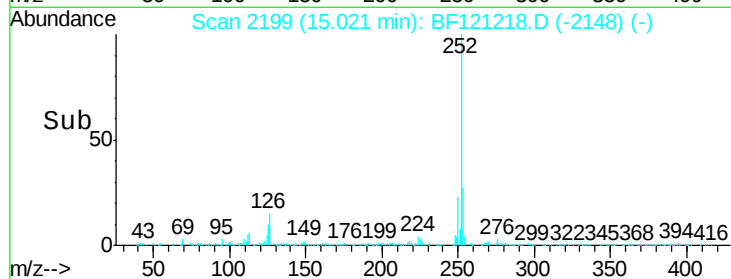
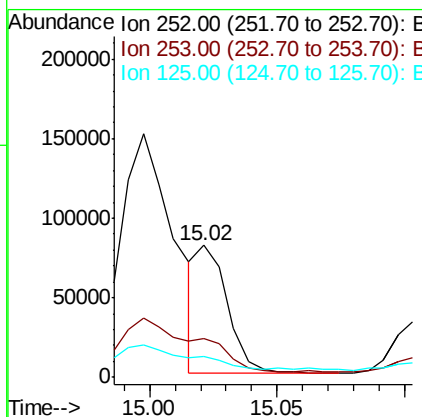
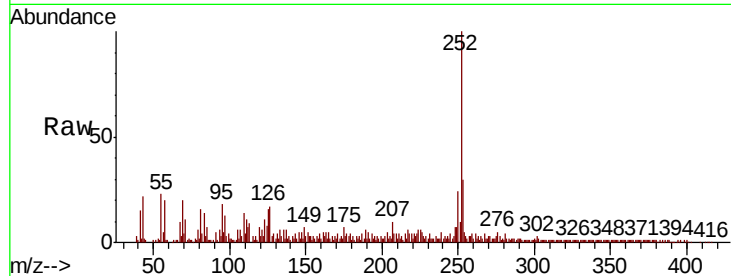
#89
Benzo(k)fluoranthene
Concen: 3.323 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-016-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.1	27.1#
125	15.5	8.0	12.0#

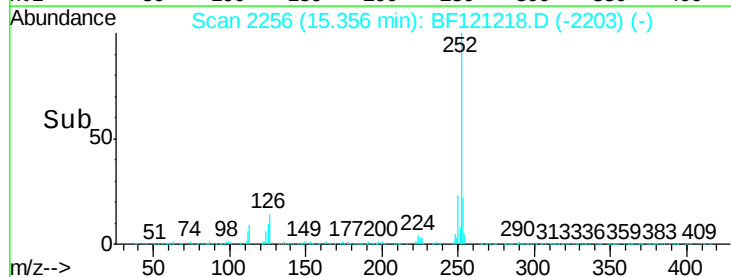
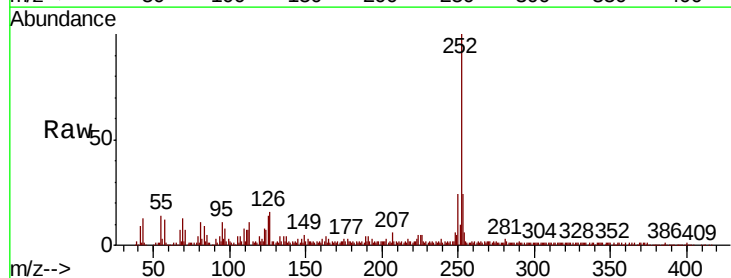
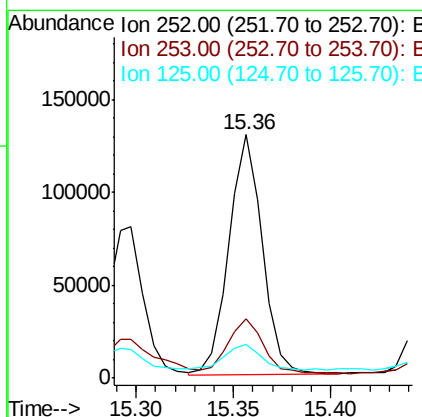
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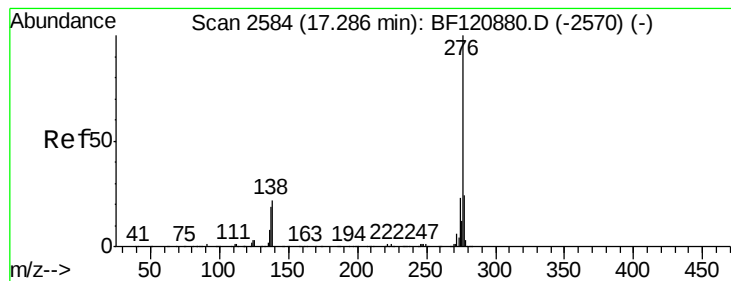
mohammad
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#90
Benzo(a)pyrene
Concen: 7.656 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF121218.D
Acq: 6 Aug 2020 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	13.7	9.5	14.3





#92

Benzo(a,h,i)perylene

Concen: 3.655 ng

RT: 17.29 min Scan# 2585

Delta R.T. 0.03 min

Lab File: BF121218.D

Acq: 6 Aug 2020 23:14

Instrument :

BNA_F

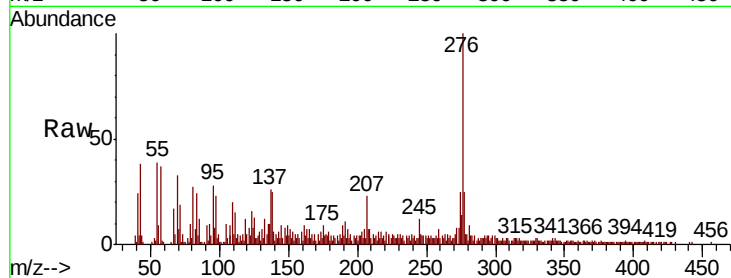
ClientSampleId :

FK-GF-03-016-B

Tot Ion:	276	Resp:	74363
Ion Ratio		Lower	Upper
276	100		
277	25.2	19.4	29.0
138	24.8	17.2	25.8

Manual Integrations
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mohammad
8/7/2020 1:51:19 PM



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

