

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115956.D
 Acq On : 2 Aug 2019 19:38
 Operator : HP/JU
 Sample : K4130-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

Manual Integrations
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 8/8/2019 4:44:38 PM

Quant Time: Aug 03 01:11:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	134166	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	530423	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	288983	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	536720	20.00	ng	0.00
76) Chrysene-d12	14.03	240	420403	20.00	ng	0.00
87) Perylene-d12	15.50	264	411852	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	782843	97.68	ng	0.00
7) Phenol-d6	6.49	99	1031753	102.04	ng	0.00
23) Nitrobenzene-d5	7.41	82	661692	72.01	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	282898	100.97	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1119291	72.55	ng	0.00
79) Terphenyl-d14	12.97	244	1366043	68.47	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	157833	8.021	ng	99
71) Phenanthrene	11.40	178	534232	19.470	ng	99
72) Anthracene	11.46	178	182051	6.556	ng	99
75) Fluoranthene	12.60	202	1004266	34.961	ng	100
78) Pyrene	12.83	202	915992	28.904	ng	99
81) Benzo(a)anthracene	14.02	228	694149	25.833	ng	99
83) Chrysene	14.05	228	550865	21.116	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	346412	15.810	ng	97
88) Benzo(b)fluoranthene	15.07	252	840435m	35.292	ng	
89) Benzo(k)fluoranthene	15.09	252	225955m	9.742	ng	
90) Benzo(a)pyrene	15.43	252	556026	26.120	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	93747m	5.088	ng	
92) Benzo(a,h,i)perylene	17.42	276	318297	17.589	ng	99

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

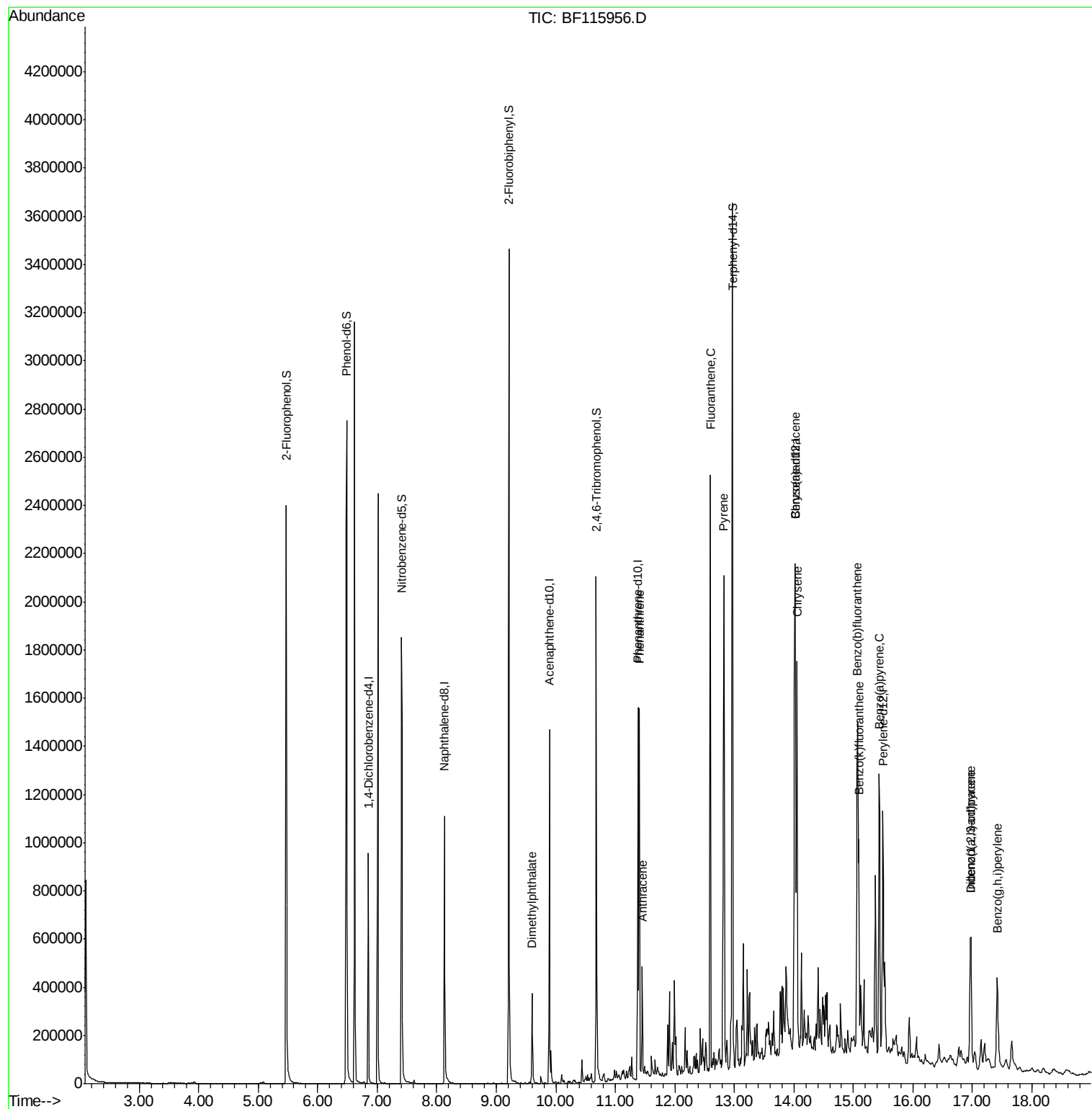
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
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#1

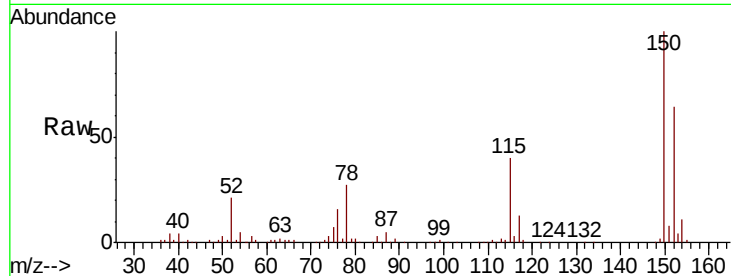
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.4	191.0
115	62.1	51.8	77.8

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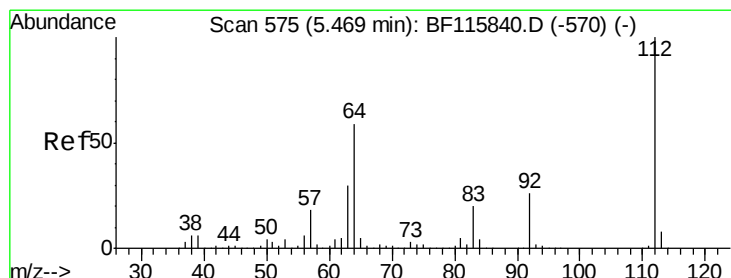
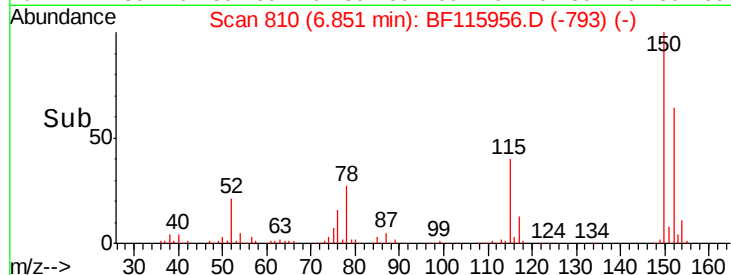
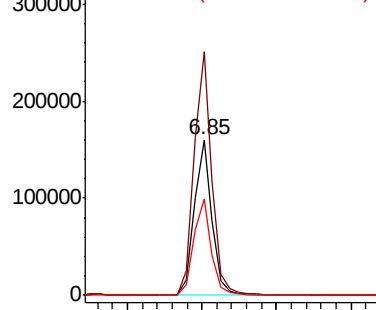


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

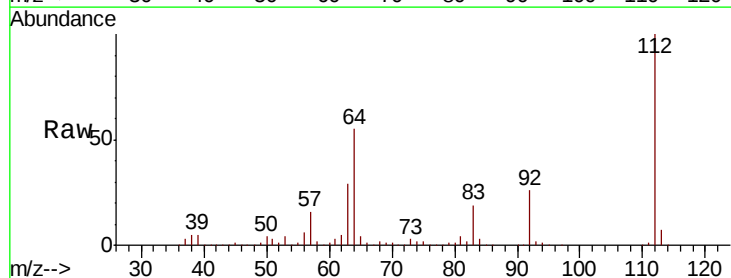
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.680 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.8	70.2
63	29.2	24.2	36.2

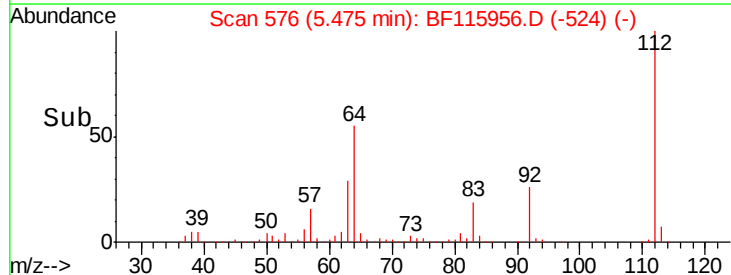
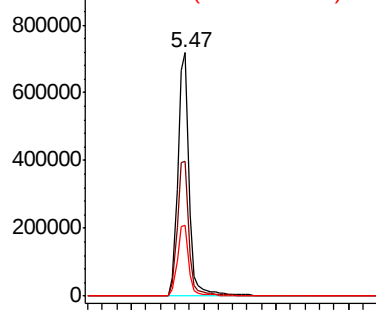


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.037 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

Tot Ion: 99 Resp: 1031753

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.6

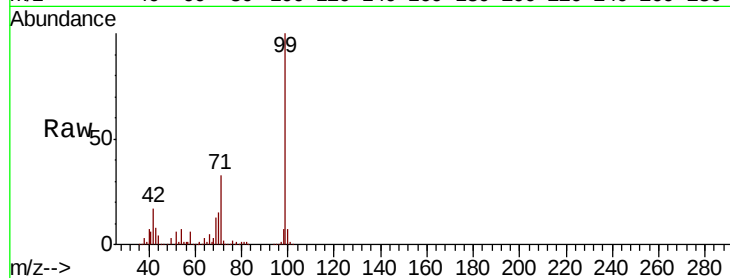
71 33.4 27.1 40.7

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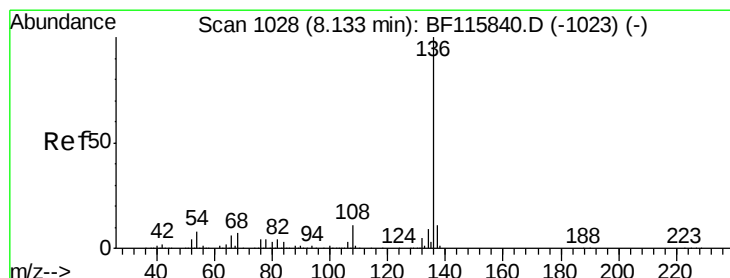
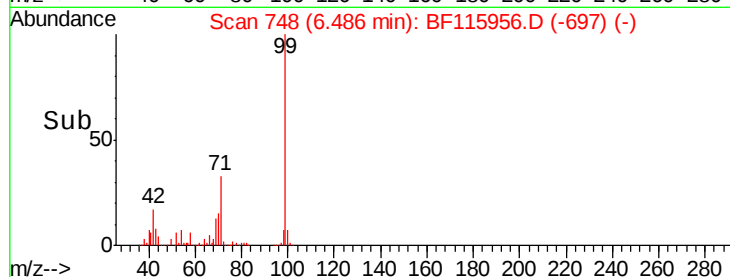
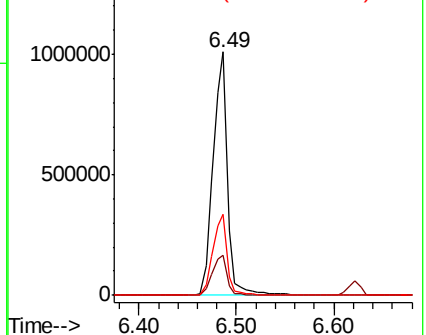
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Tgt Ion: 136 Resp: 530423

Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 7.0 6.1 9.1

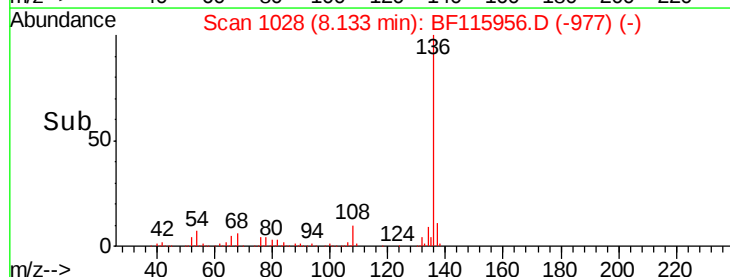
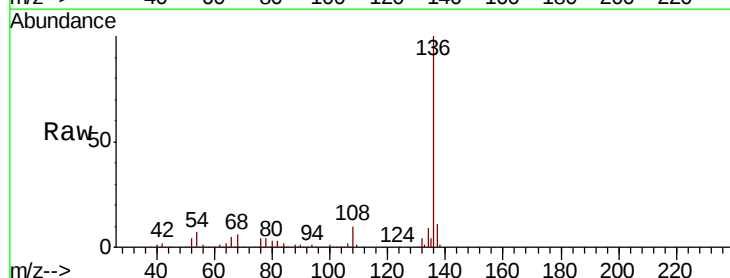
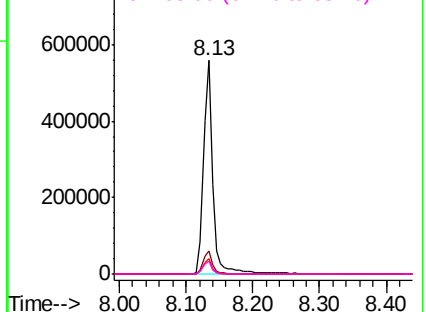
68 6.0 5.4 8.2

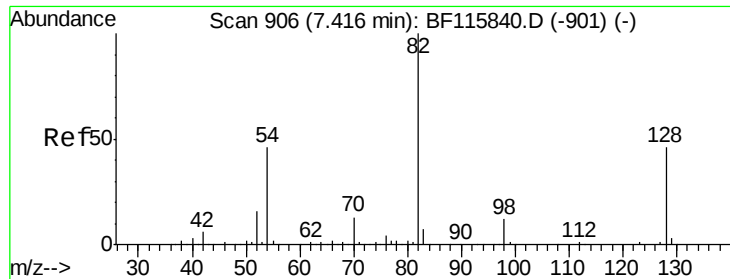
Abundance Ion 136.00 (135.70 to 136.70): E

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





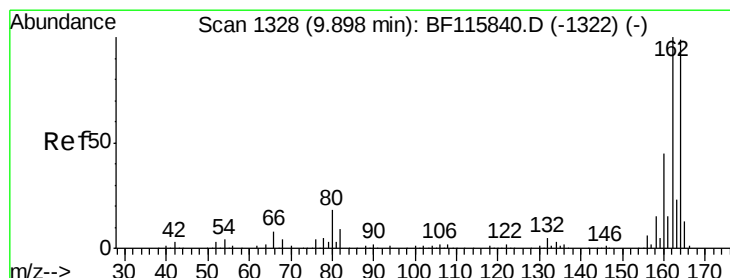
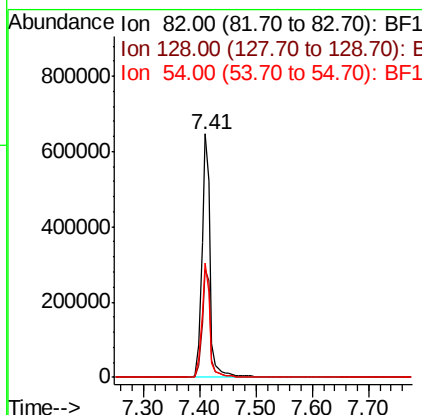
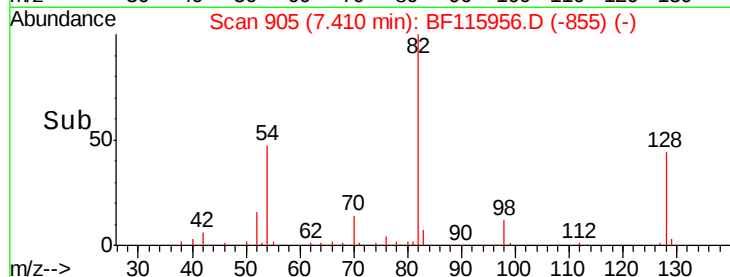
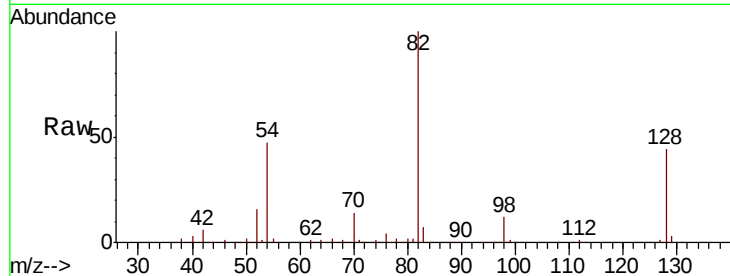
#23
Nitrobenzene-d5
Concen: 72.008 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion	82	Resp	661692
Ion Ratio	100	Lower	Upper
82	100		
128	44.2	36.6	55.0
54	47.2	36.6	55.0

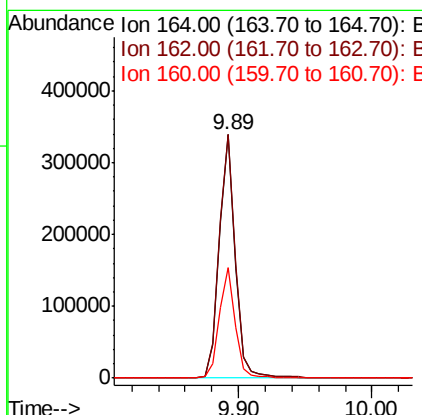
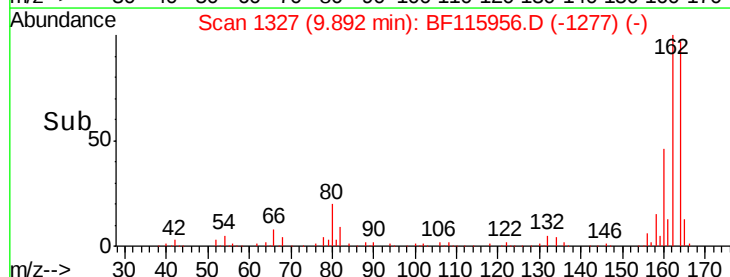
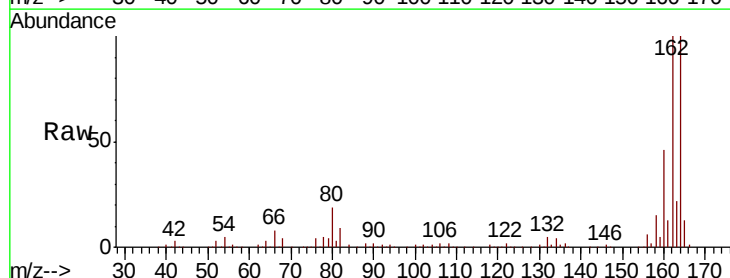
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion	164	Resp	288983
Ion Ratio	100	Lower	Upper
164	100		
162	99.9	80.8	121.2
160	45.6	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 100.971 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

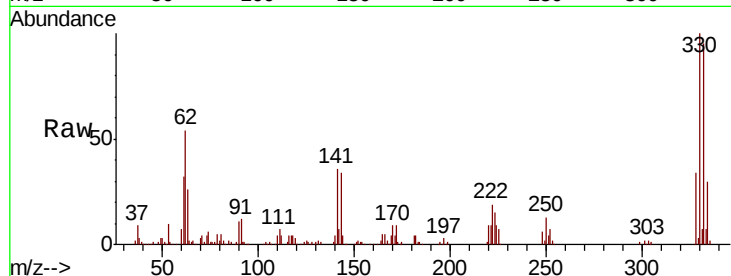
ClientSampleId :

1S-F1-F4-COMP-(30)

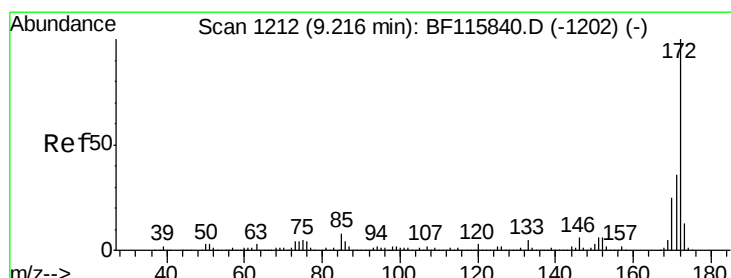
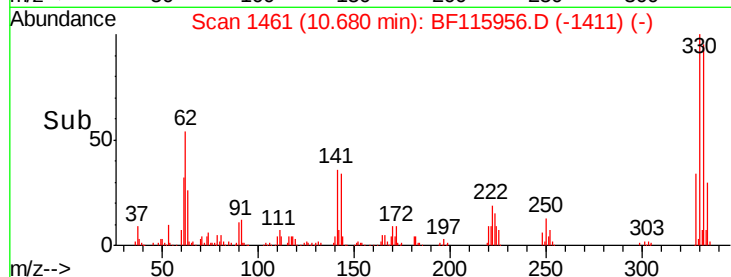
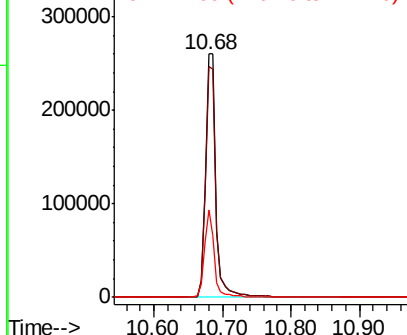
Tot Ion:	330	Resp:	282898
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.7	116.5
141	34.2	28.1	42.1

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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: 72.548 ng

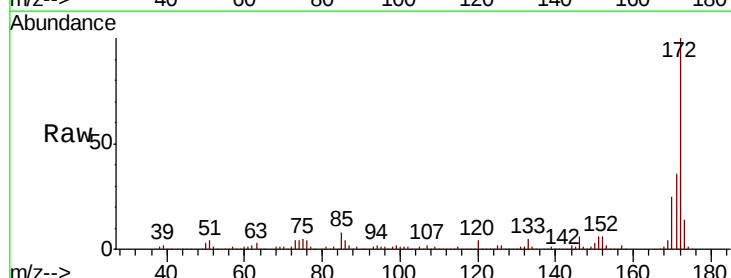
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

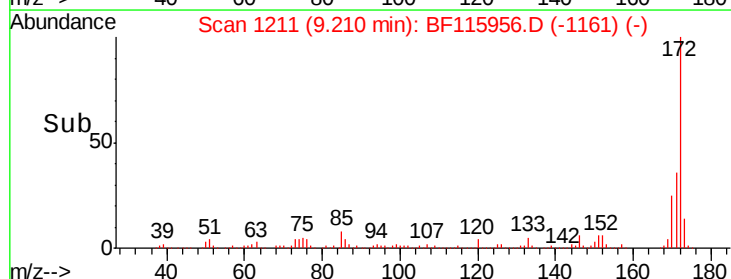
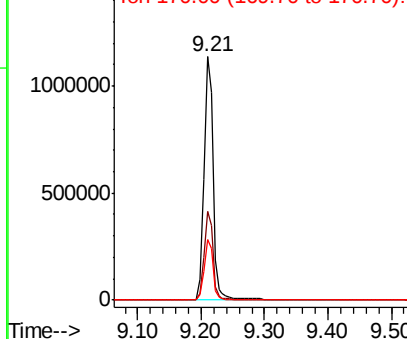
Lab File: BF115956.D

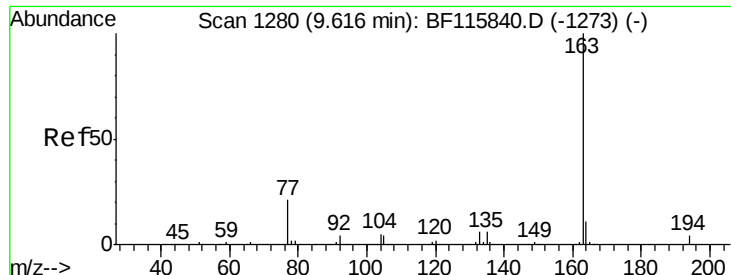
Acq: 2 Aug 2019 19:38

Tgt Ion:	172	Resp:	1119291
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.1	43.7
170	24.7	20.1	30.1



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





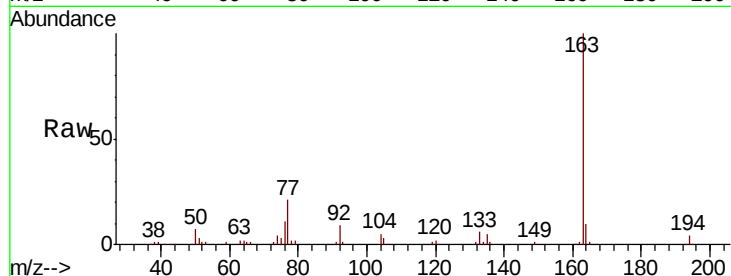
#50
Dimethylphthalate
Concen: 8.021 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	157833		
194	3.6		3.0	4.6
164	10.0		8.4	12.6

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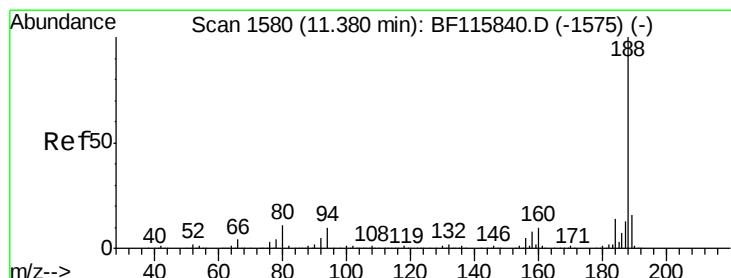
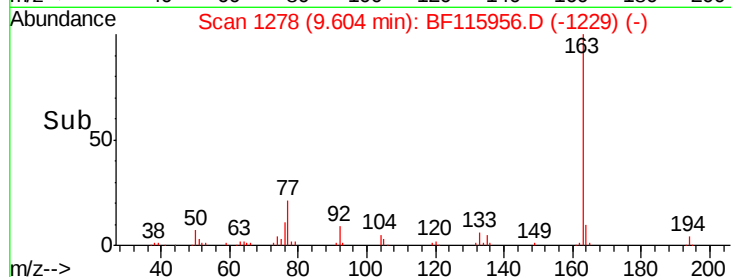
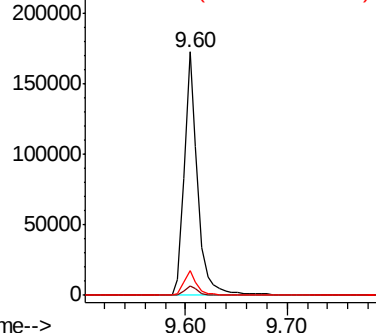


Abundance

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: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

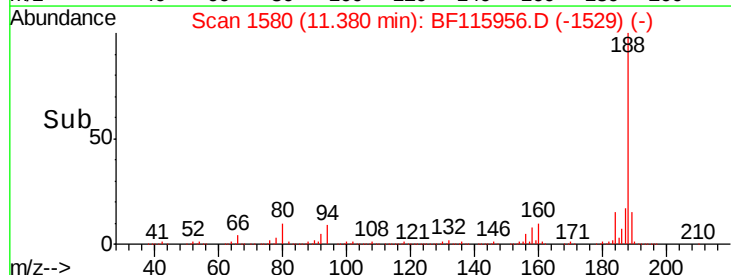
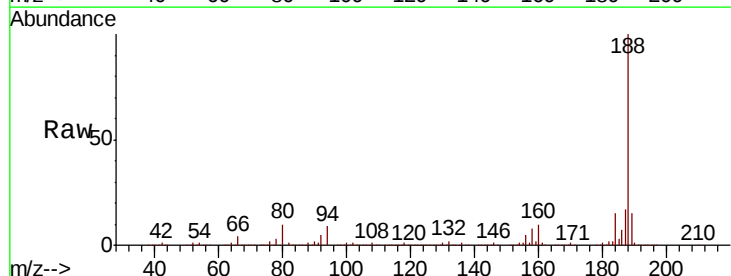
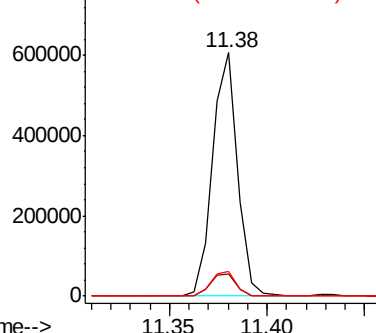
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	536720		
94	9.4		8.0	12.0
80	10.2		8.6	12.8

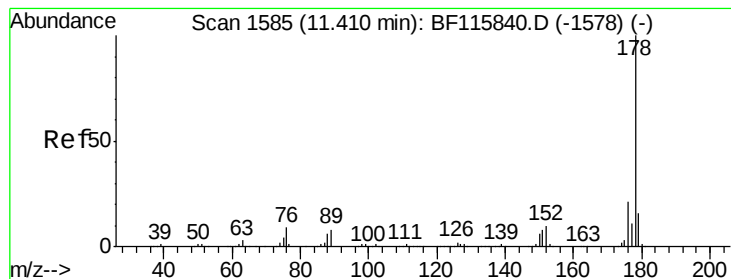
Abundance

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





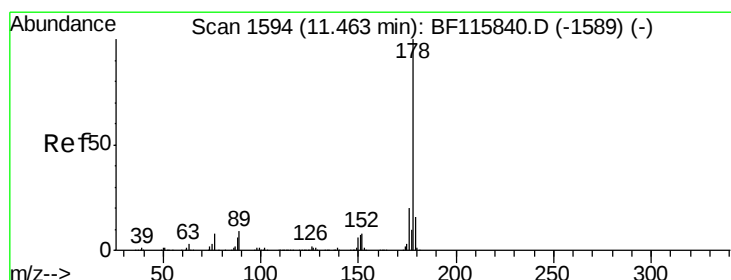
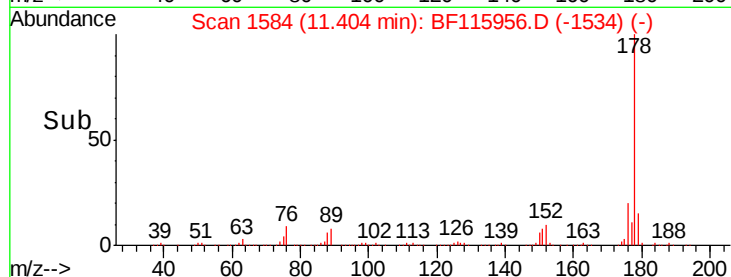
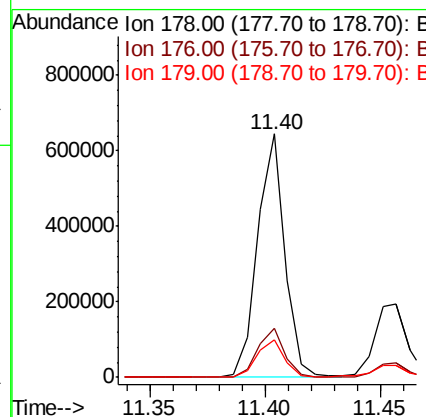
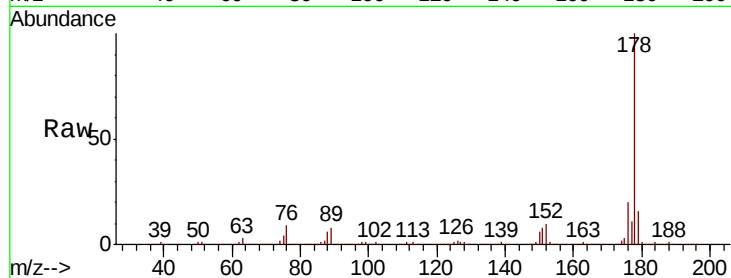
#71
Phenanthrene
Concen: 19.470 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Instrument :
BNA_F
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1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.5	24.7
179	15.5	12.6	18.8

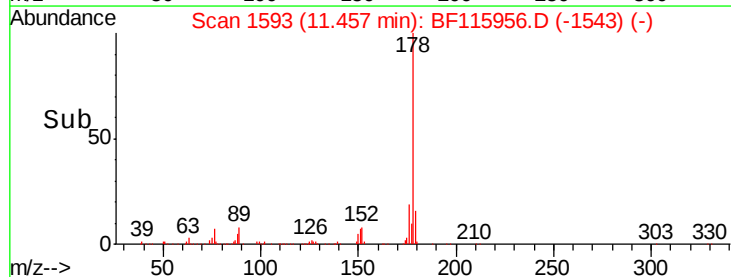
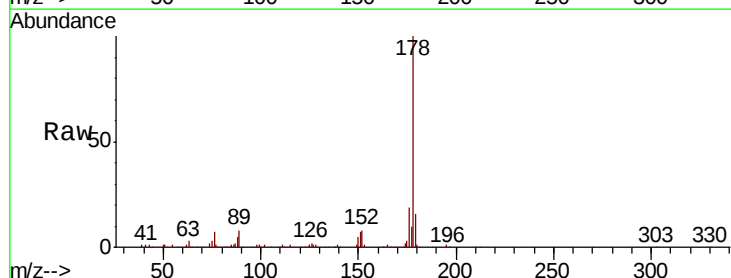
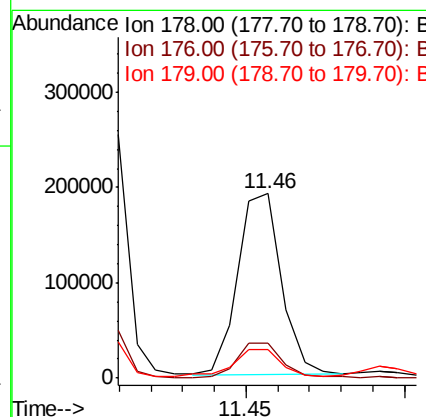
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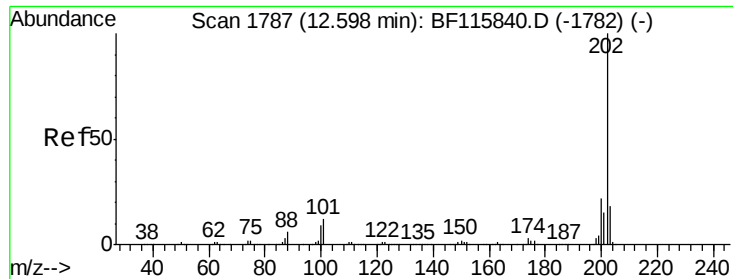
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#72
Anthracene
Concen: 6.556 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.7	12.4	18.6





#75

Fluoranthene

Concen: 34.961 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

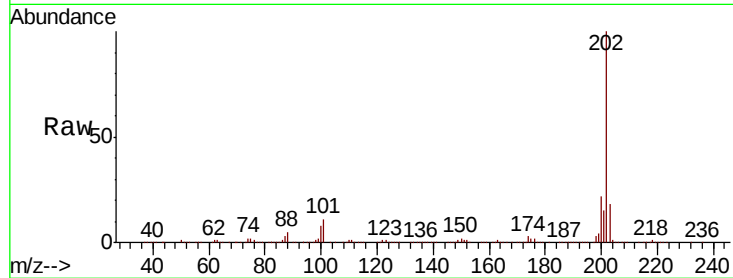
ClientSampleId :

1S-F1-F4-COMP-(30)

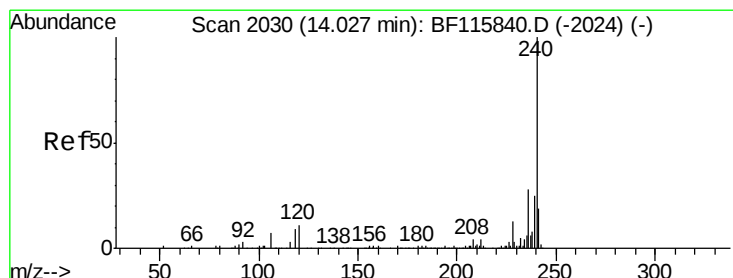
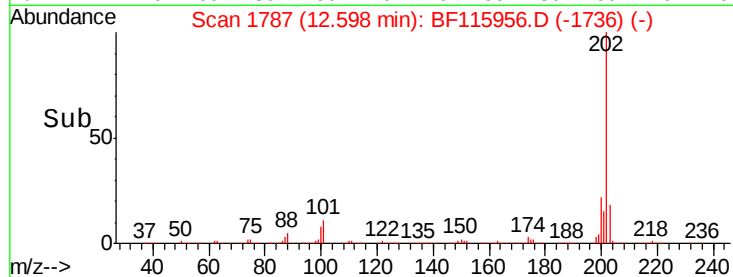
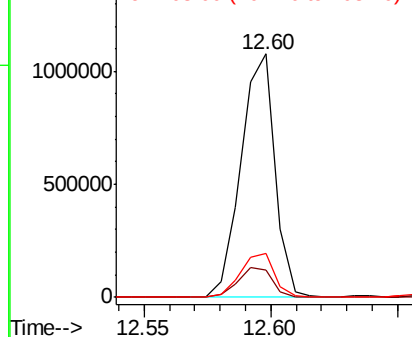
Tot Ion:	202	Resp:	1004266
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.5
203	18.1	0.0	37.9

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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: 14.03 min Scan# 2030

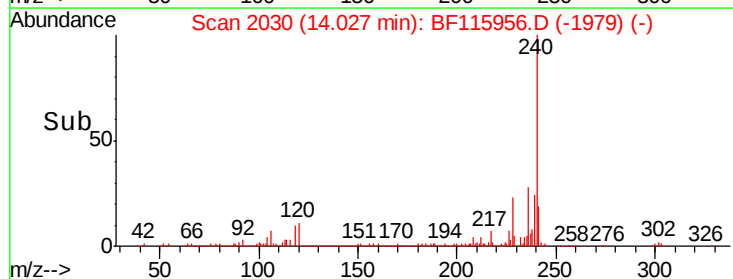
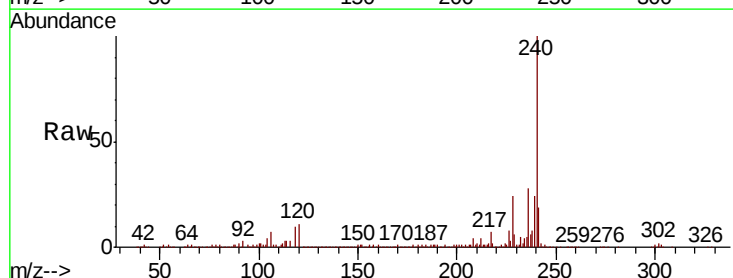
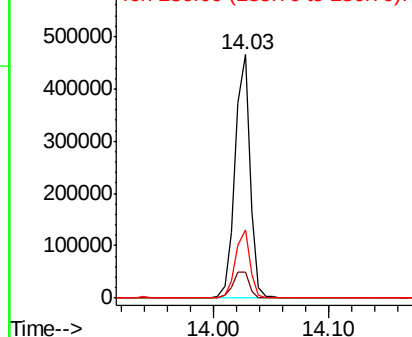
Delta R.T. -0.00 min

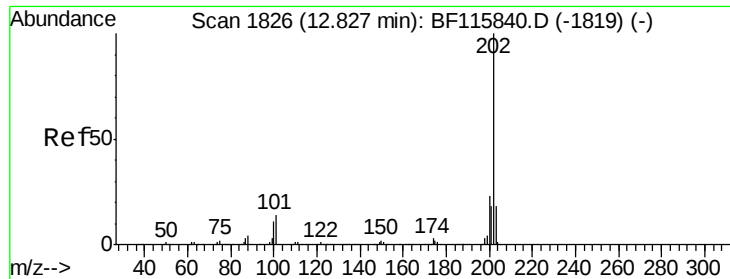
Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Tgt Ion:	240	Resp:	420403
Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.5	12.7
236	28.1	22.2	33.2

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





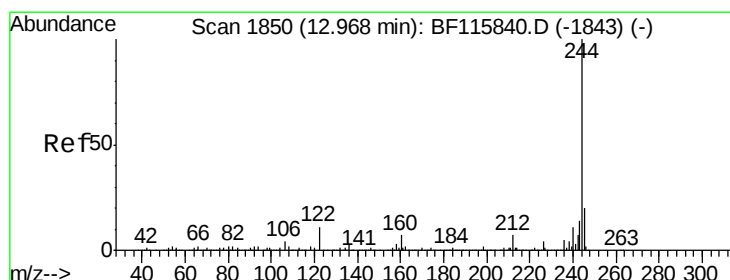
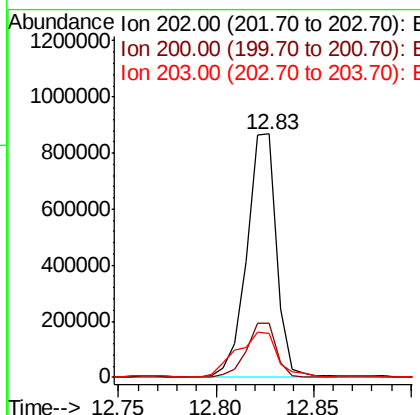
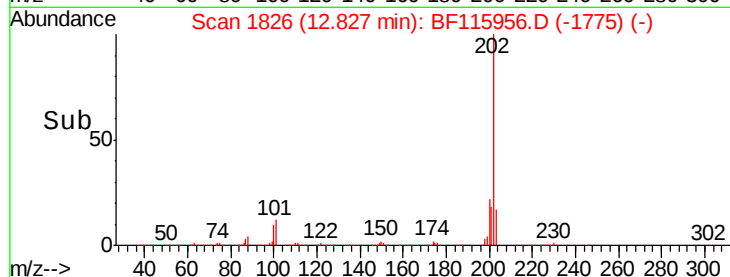
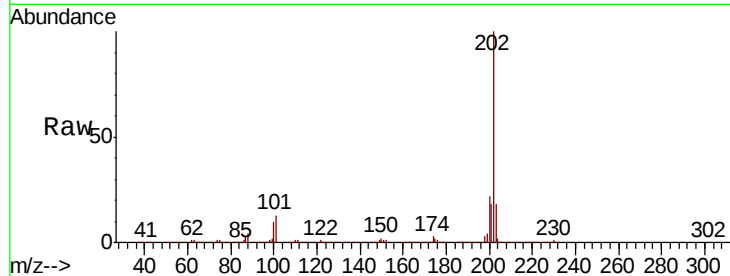
#78
Pvrene
Concen: 28.904 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	915992		
200	22.1		18.2	27.2
203	17.8		14.3	21.5

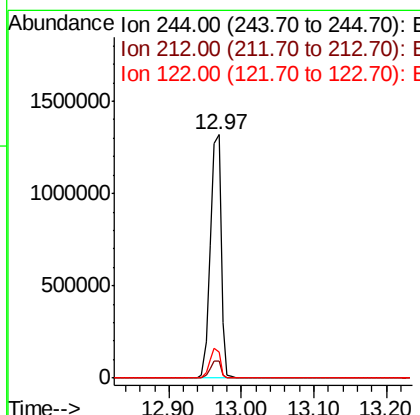
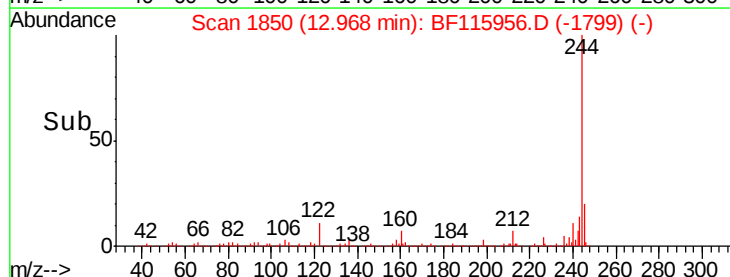
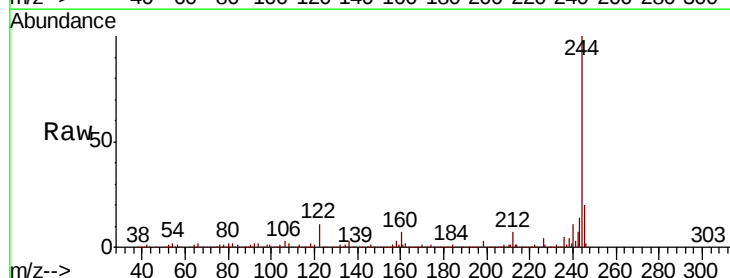
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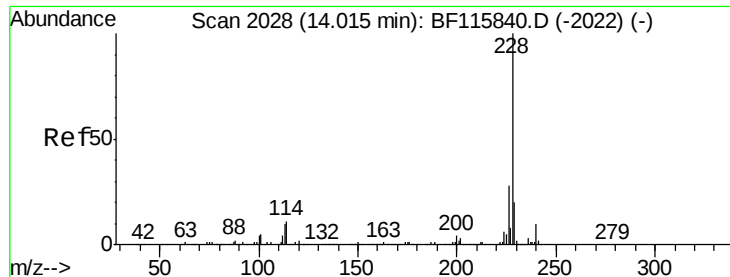
mohammad
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#79
Terphenyl-d14
Concen: 68.470 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1366043		
212	7.1		5.6	8.4
122	10.6		8.6	13.0





#81

Benzo(a)anthracene

Concen: 25.833 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

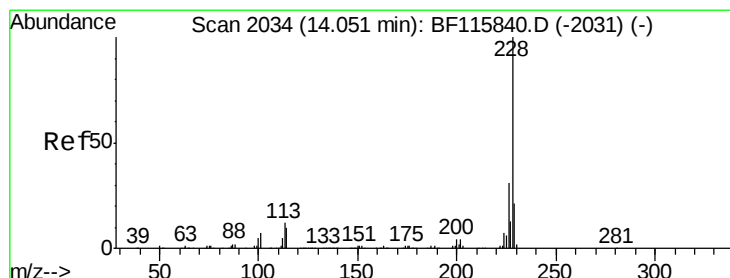
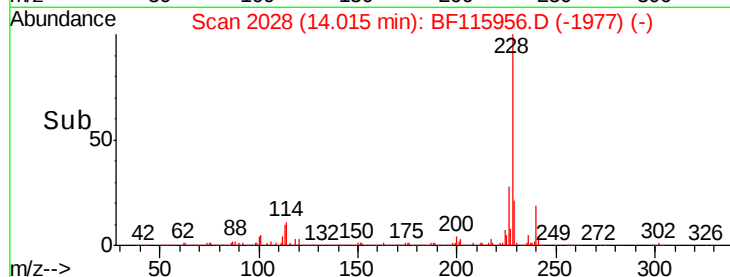
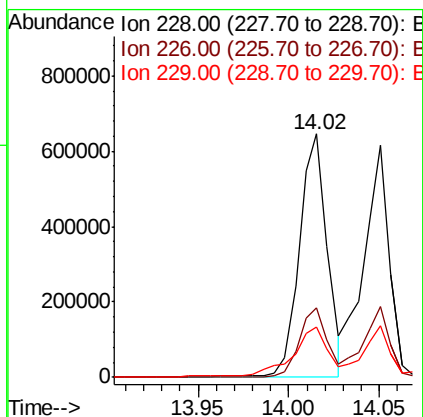
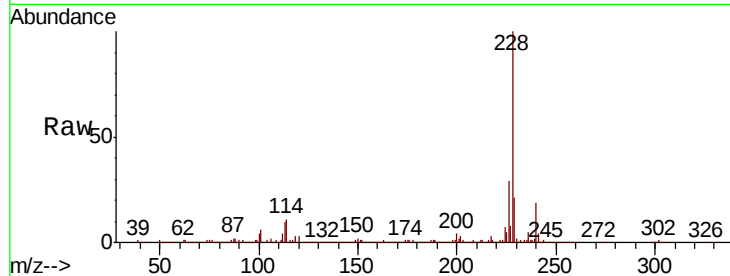
ClientSampleId :

1S-F1-F4-COMP-(30)

Tot Ion:	228	Resp:	694149
Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	20.9	16.1	24.1

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#83

Chrysene

Concen: 21.116 ng

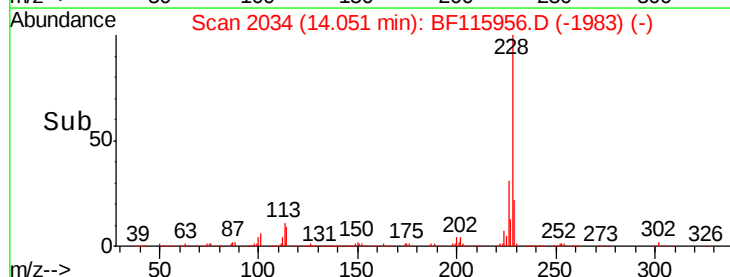
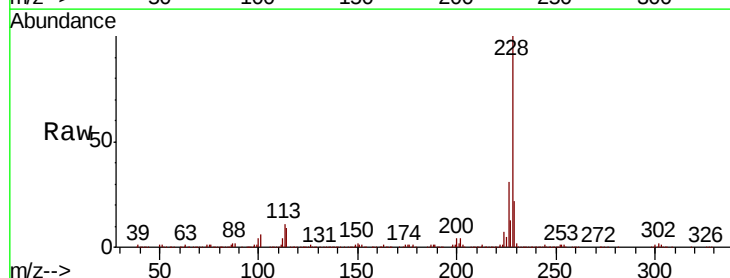
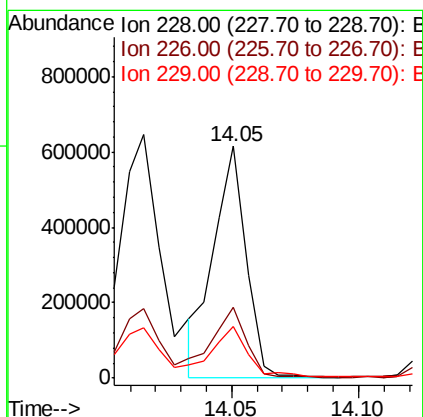
RT: 14.05 min Scan# 2034

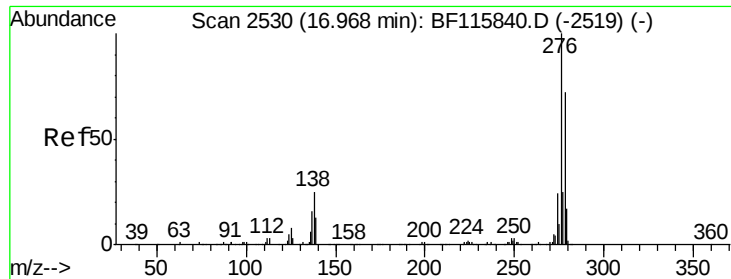
Delta R.T. 0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Tgt Ion:	228	Resp:	550865
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	22.1	16.4	24.6





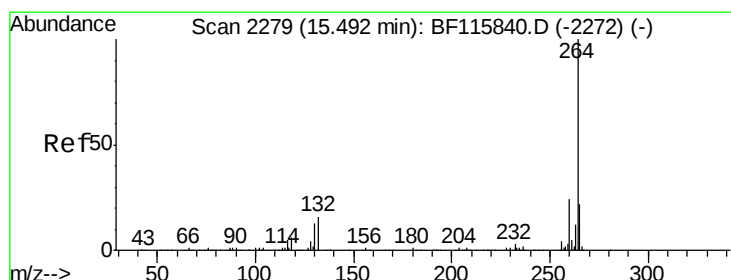
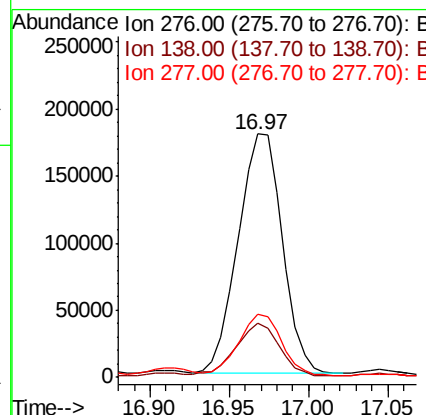
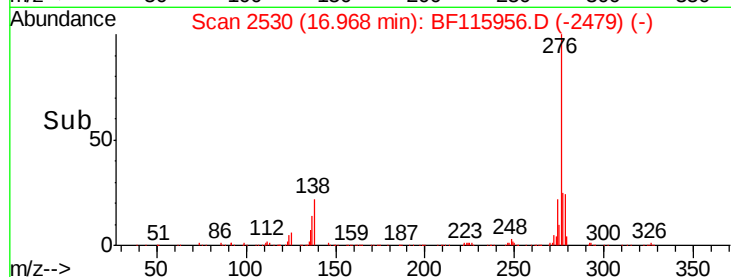
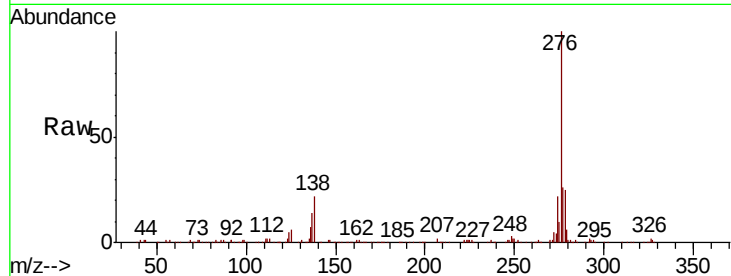
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 15.810 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.6	29.4
277	25.1	20.1	30.1

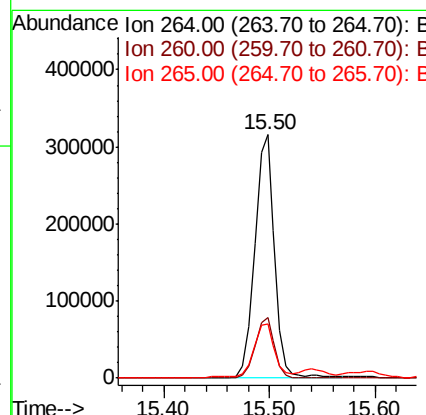
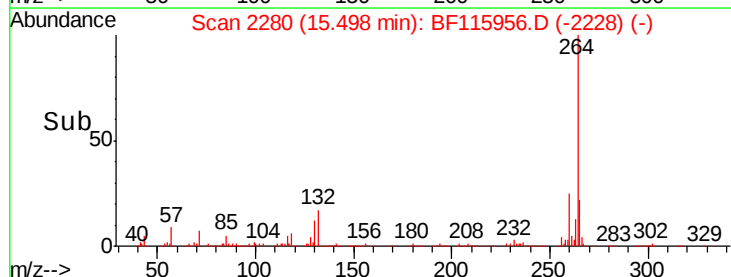
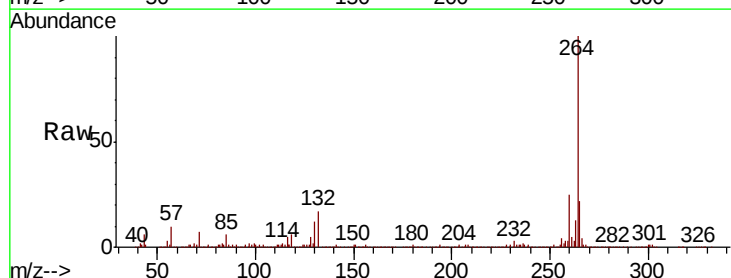
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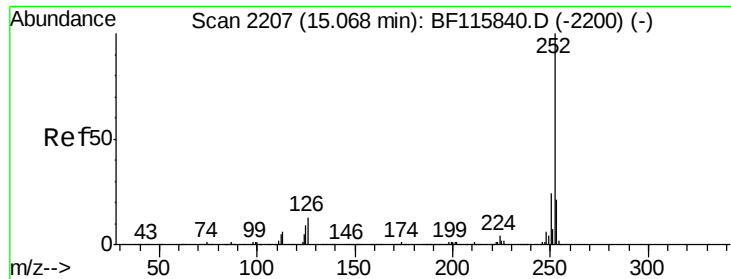
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.1	17.5	26.3





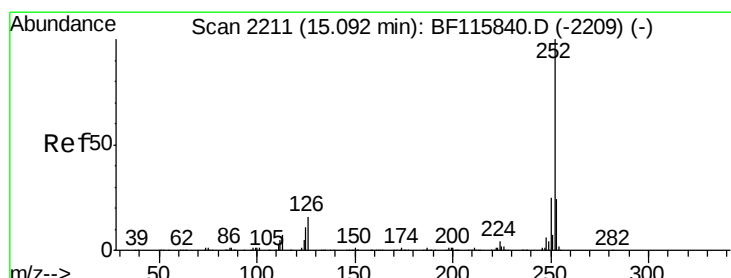
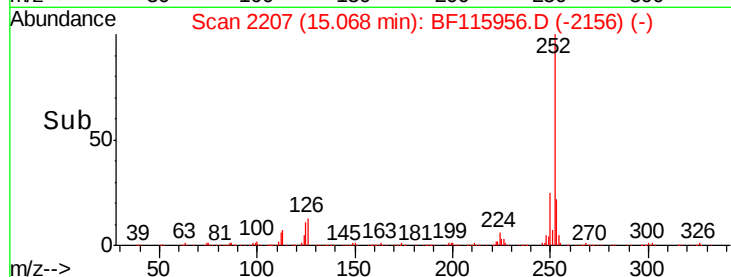
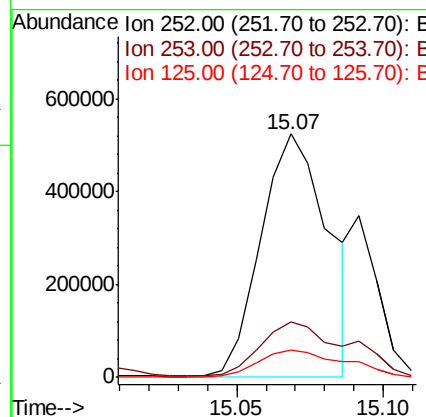
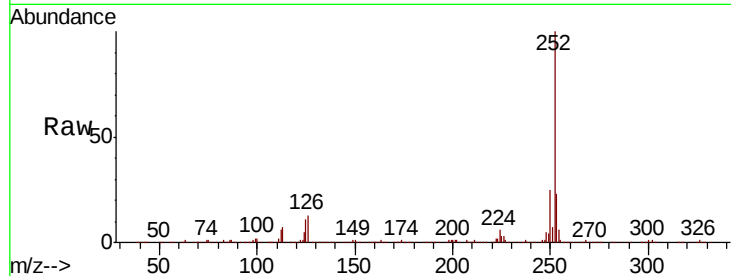
#88
Benzo(b)fluoranthene
Concen: 35.292 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.2	7.4	11.0

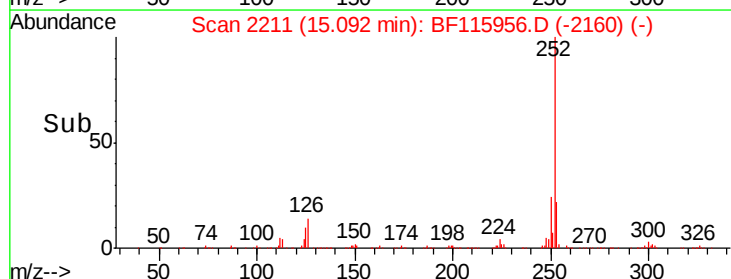
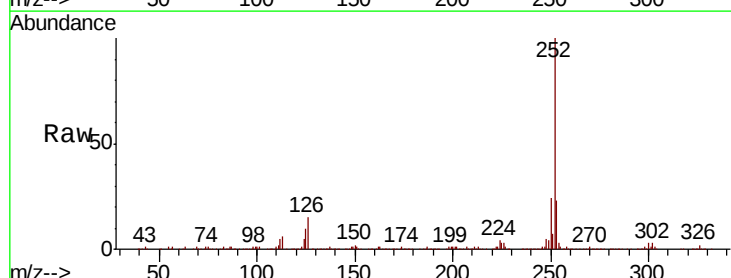
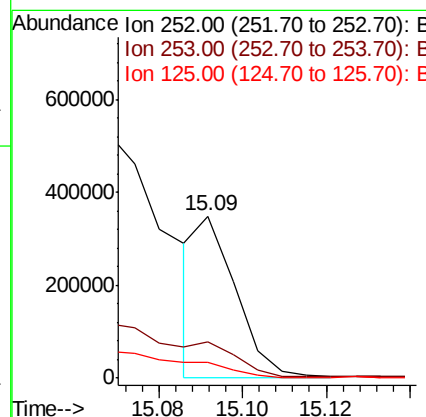
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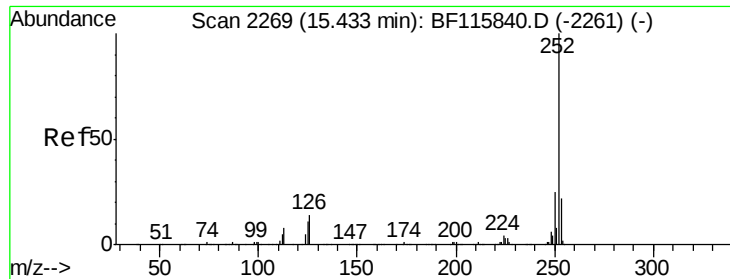
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.742 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	10.0	8.9	13.3





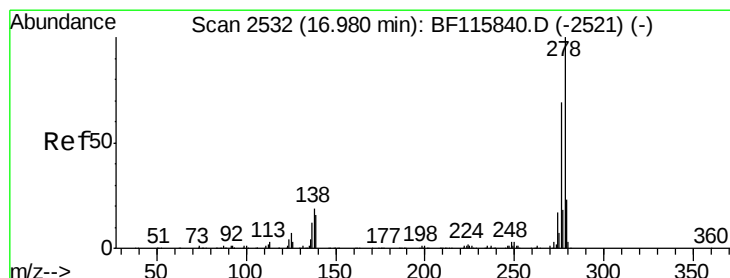
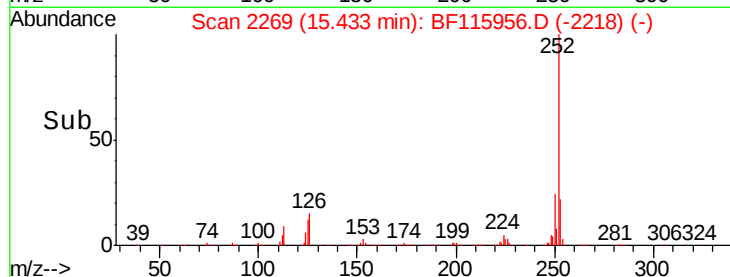
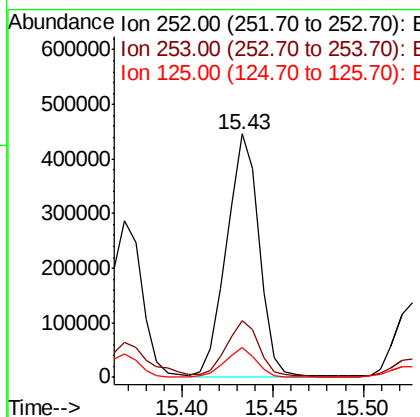
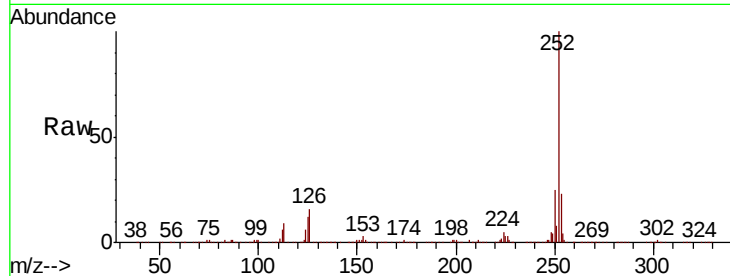
#90
Benzo(a)pyrene
Concen: 26.120 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	12.4	8.8	13.2

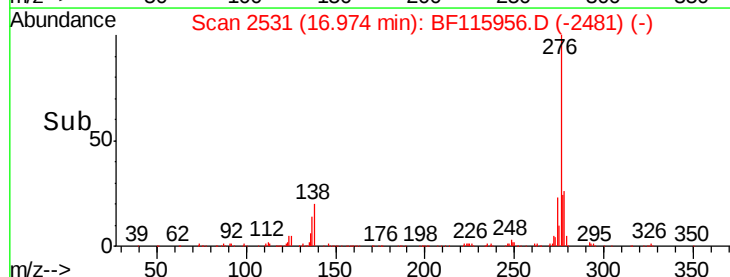
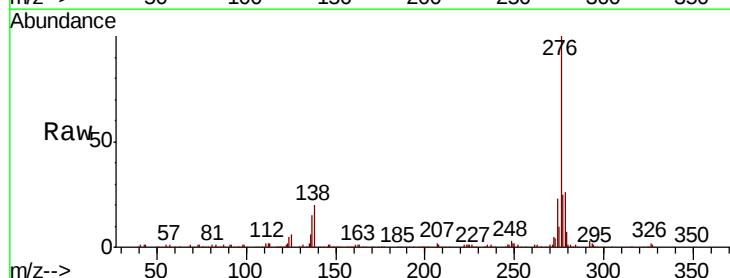
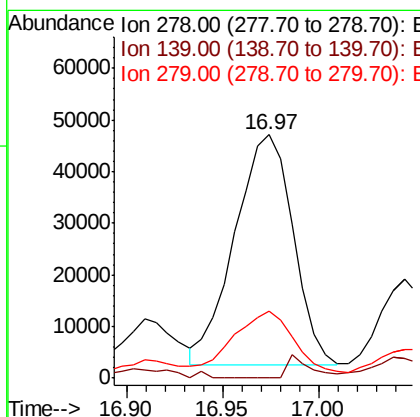
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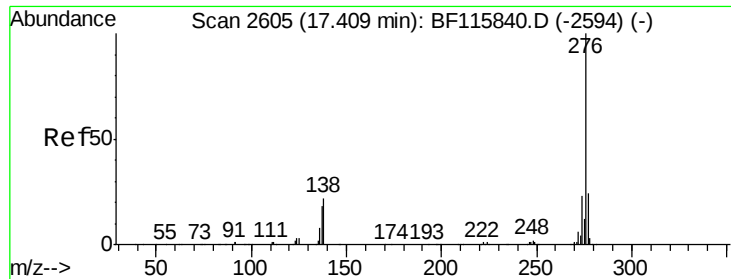
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 5.088 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.5	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 17.589 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.01 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.5	29.3
138	21.7	17.8	26.8

Manual Integrations
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