

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121120.D
 Acq On : 30 Jul 2020 00:34
 Operator : JU/CG
 Sample : L3436-02 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Manual Integrations
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 7/30/2020 3:34:13 PM

Quant Time: Jul 30 03:53:02 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	6.80	152	147432	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	527455	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	248943	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	414818	20.00	ng	0.01
76) Chrysene-d12	13.97	240	355494	20.00	ng	0.01
86) Perylene-d12	15.43	264	280627	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	199380	22.17	ng	0.00
7) Phenol-d6	6.44	99	234306	20.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	126440	13.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	50467	18.52	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	277491	16.64	ng	0.00
79) Terphenyl-d14	12.92	244	243496	14.89	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.11	128	61240	2.263	ng	100
49) Acenaphthylene	9.70	152	69884	2.906	ng	99
50) Dimethylphthalate	9.56	163	47638	2.652	ng	# 98
52) Acenaphthene	9.87	154	39012	2.551	ng	98
58) Fluorene	10.39	166	56731	3.440	ng	98
71) Phenanthrene	11.36	178	381828	17.897	ng	98
72) Anthracene	11.40	178	143770	6.711	ng	98
75) Fluoranthene	12.55	202	595831	25.197	ng	98
78) Pyrene	12.77	202	641226	25.513	ng	98
81) Benzo(a)anthracene	13.96	228	282532	13.125	ng	94
83) Chrysene	14.00	228	279254	12.344	ng	96
87) Indeno(1,2,3-cd)pyrene	16.86	276	89207	4.571	ng	98
88) Benzo(b)fluoranthene	15.00	252	253149m	14.924	ng	
89) Benzo(k)fluoranthene	15.03	252	81803m	5.288	ng	
90) Benzo(a)pyrene	15.36	252	182043	11.763	ng	# 93
92) Benzo(g,h,i)perylene	17.29	276	88527	5.632	ng	93

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

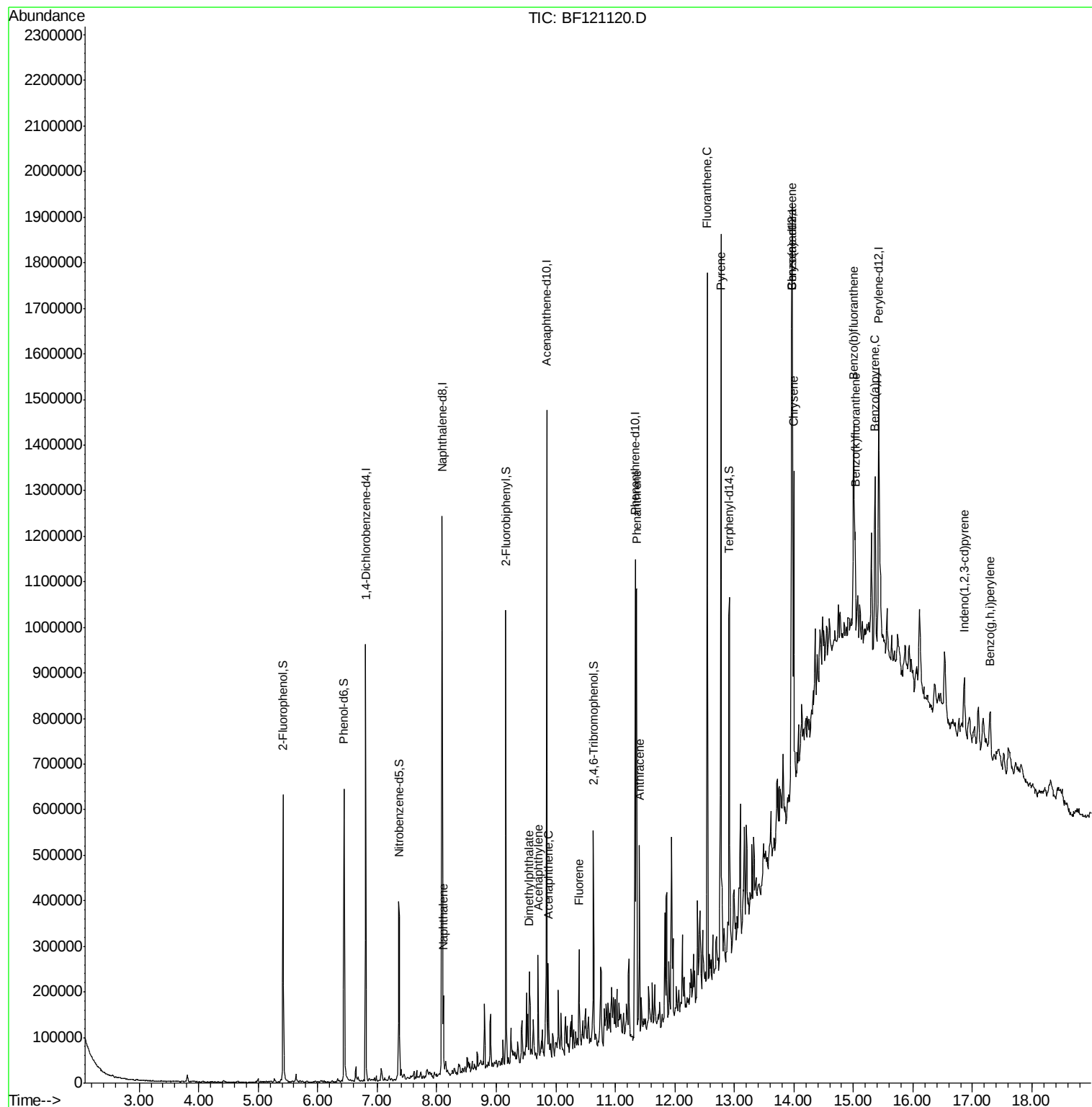
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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ALS Vial : 20 Sample Multiplier: 1

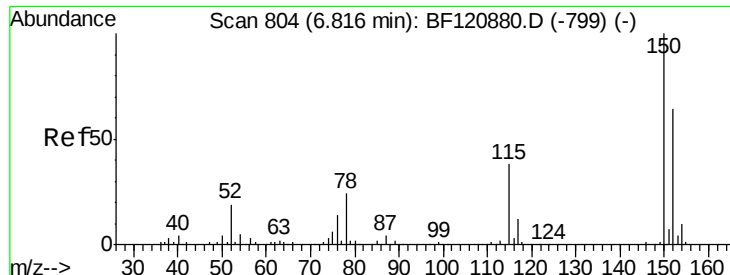
Instrument :
BNA_F
ClientSampled :
2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

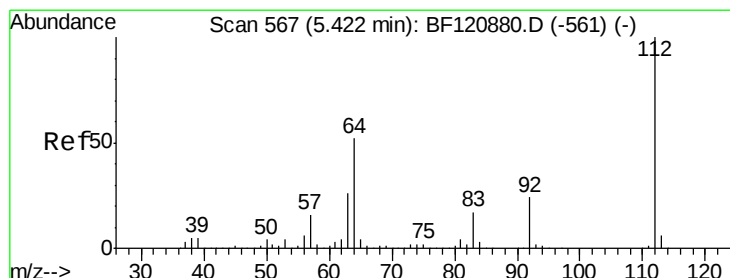
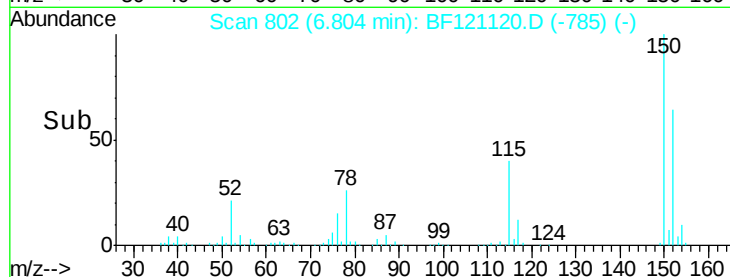
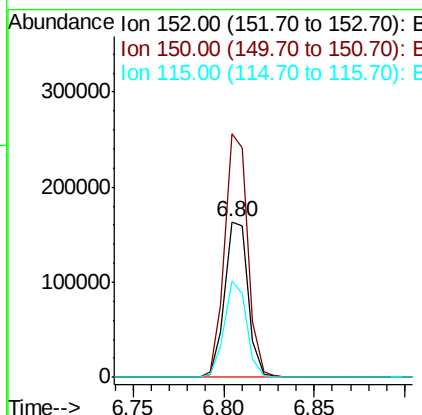
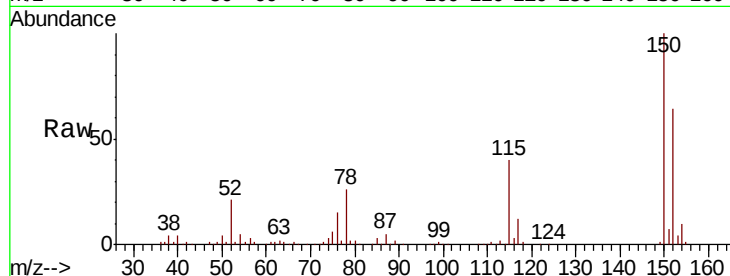
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.6	188.4
115	62.0	46.2	69.2

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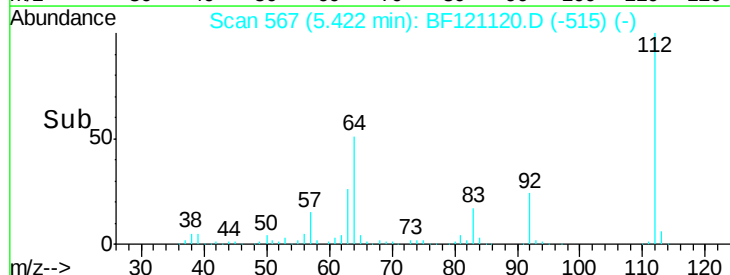
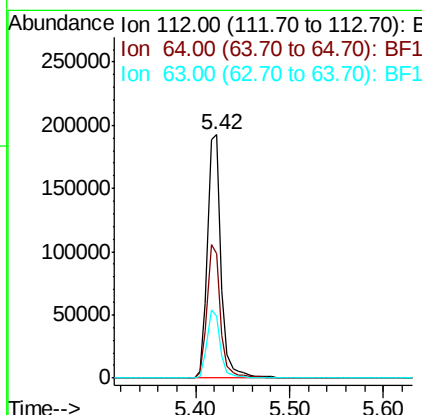
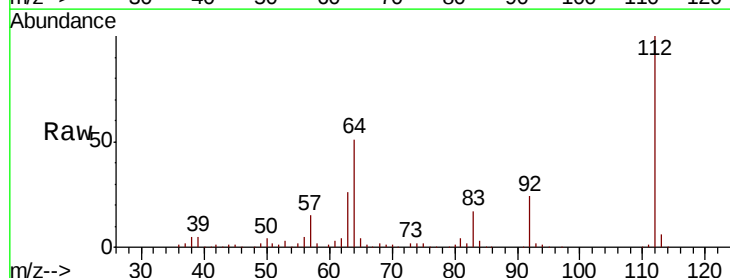
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#5

2-Fluorophenol
Concen: 22.170 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	43.9	65.9
63	25.6	22.7	34.1





#7

Phenol-d6

Concen: 20.169 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121120.D

Acq: 30 Jul 2020 00:34

Instrument :

BNA_F

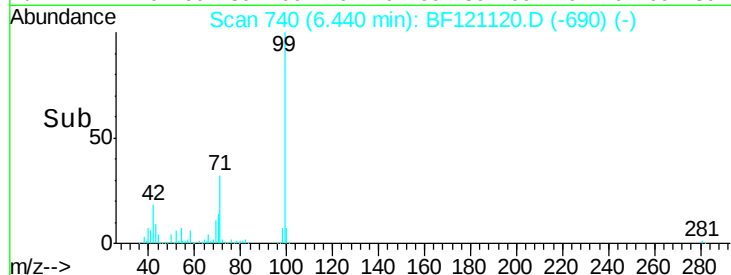
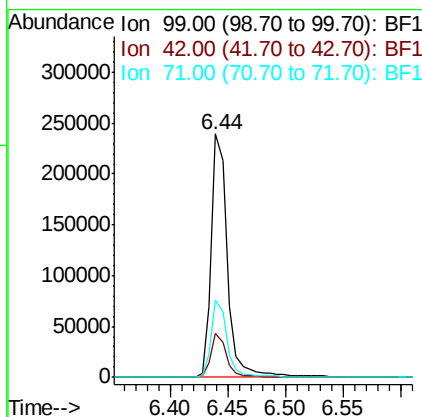
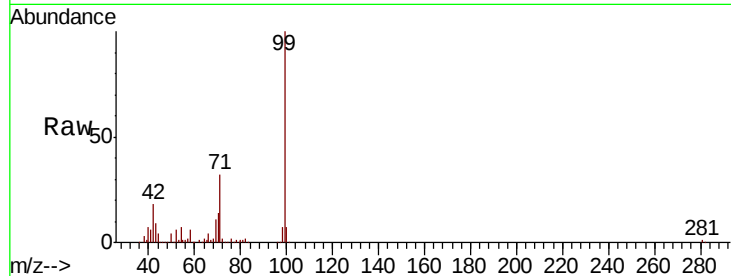
ClientSampleId :

2

Tot Ion:	99	Resp:	234306
Ion Ratio	Lower	Upper	
99	100		
42	18.0	13.5	20.3
71	31.6	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.000 ng

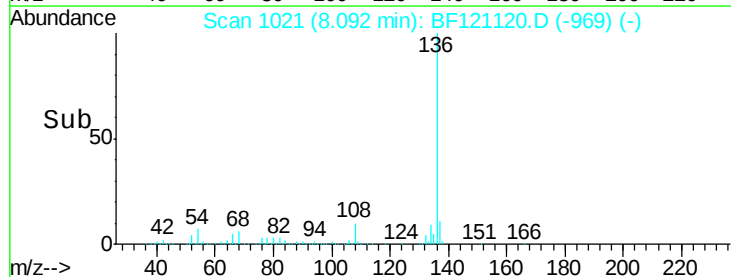
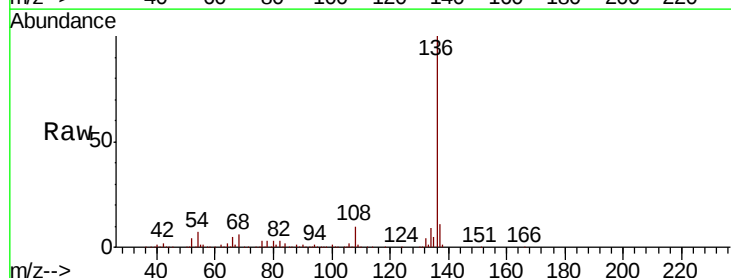
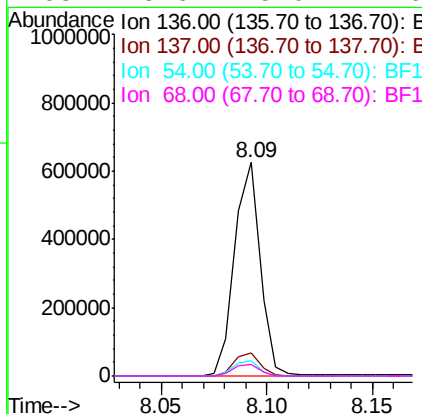
RT: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF121120.D

Acq: 30 Jul 2020 00:34

Tgt Ion:	136	Resp:	527455
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	6.9	6.1	9.1
68	5.6	5.0	7.6





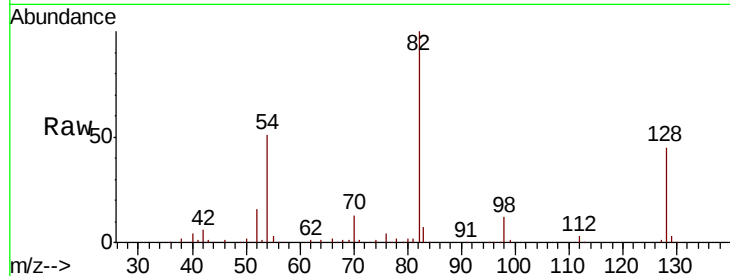
#23
Nitrobenzene-d5
Concen: 13.871 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampled :
2

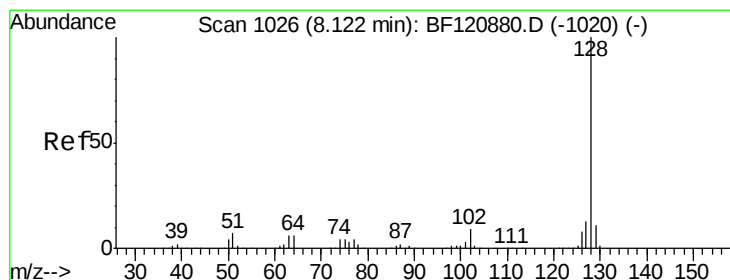
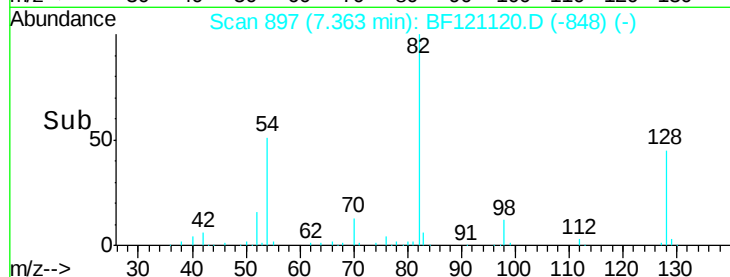
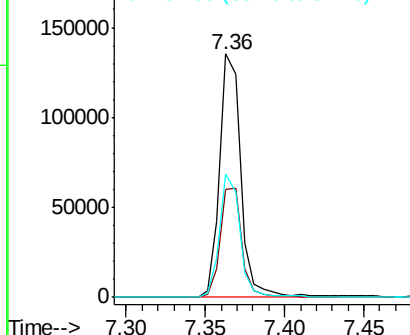
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	39.2	58.8
54	50.5	37.8	56.8

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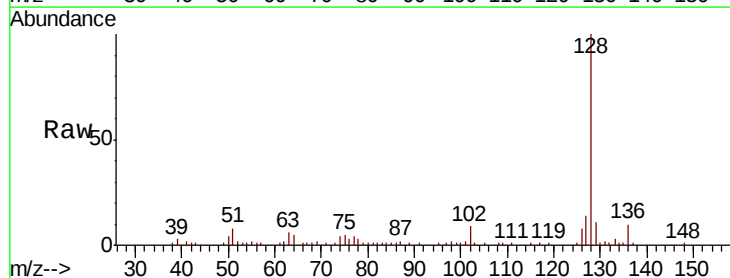


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

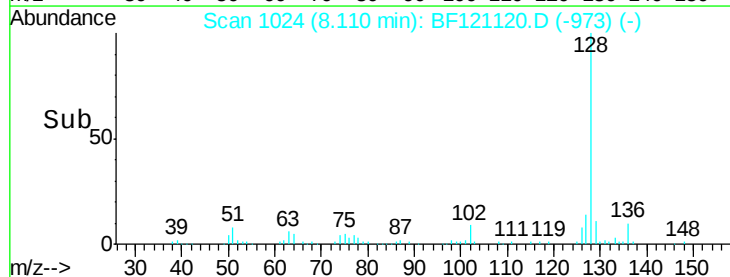
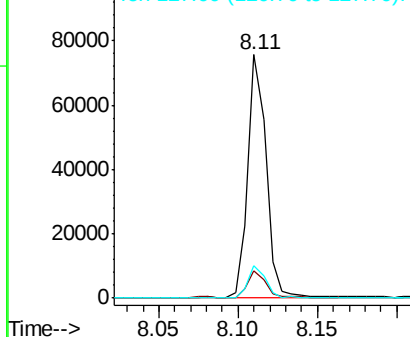


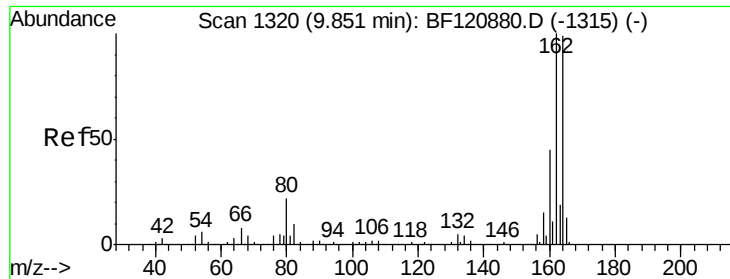
#31
Naphthalene
Concen: 2.263 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.5	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





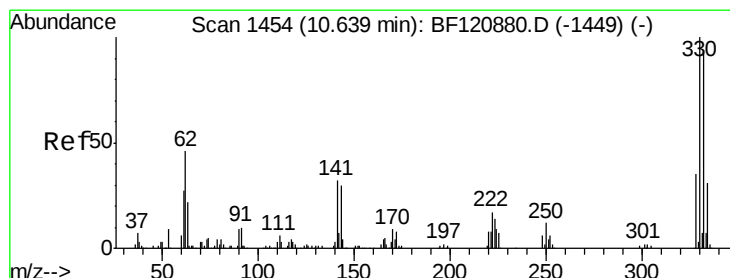
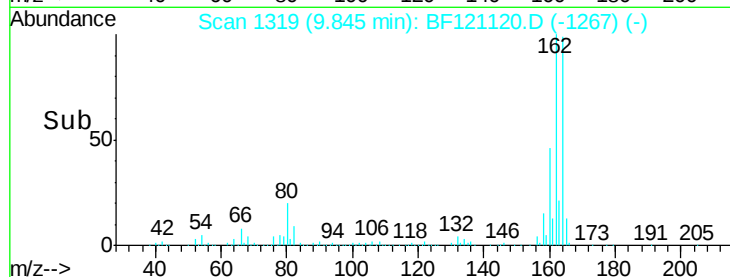
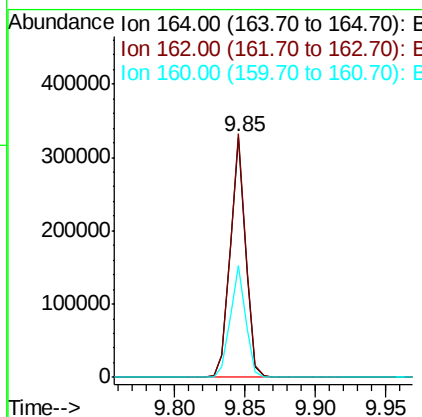
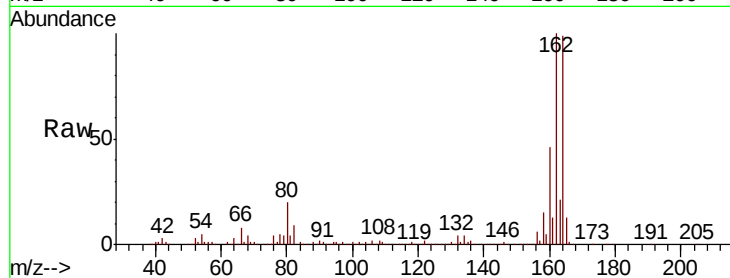
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	82.2	123.2	
160	46.3	37.2	55.8	

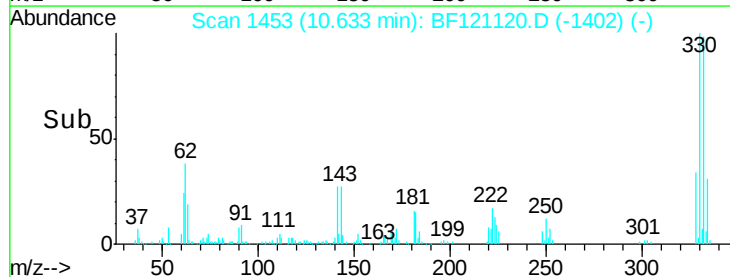
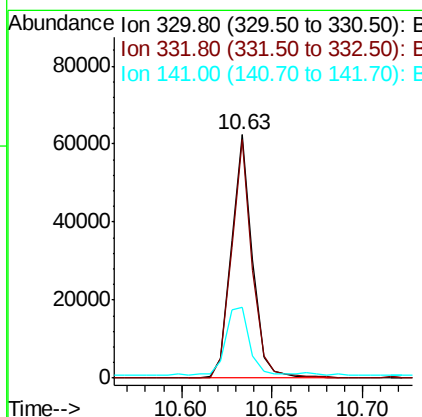
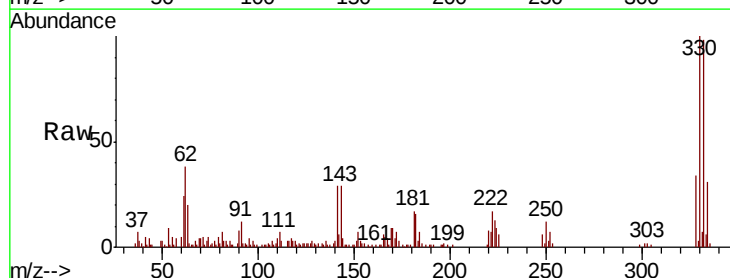
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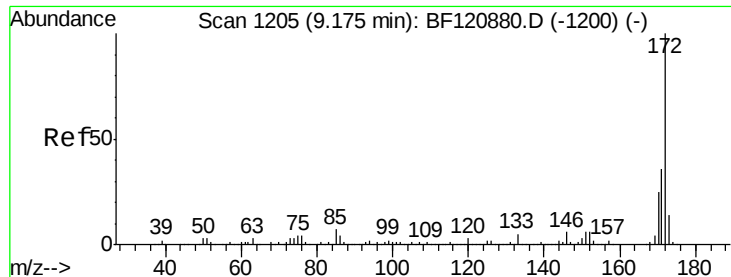
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#42
2,4,6-Tribromophenol
Concen: 18.520 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.1	114.1	
141	32.7	24.1	36.1	





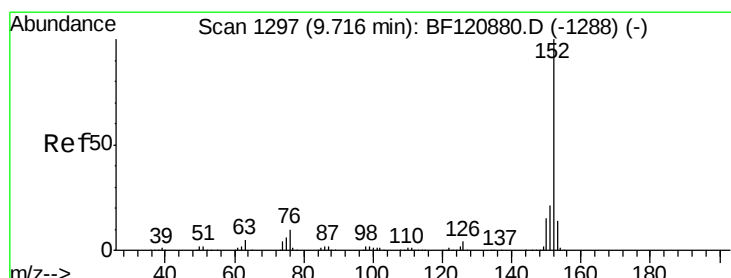
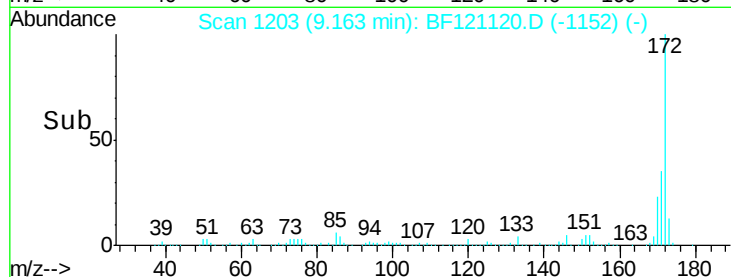
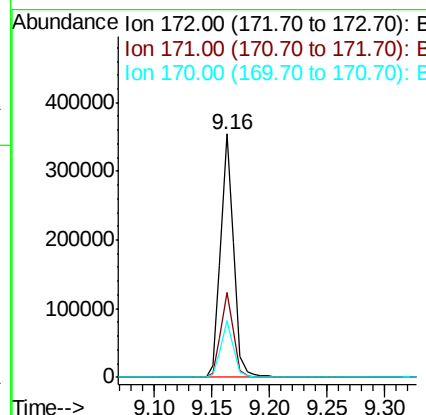
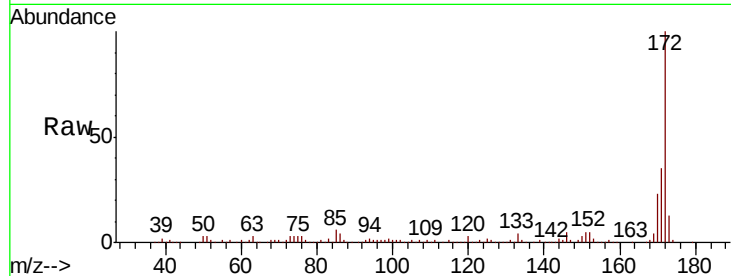
#45
2-Fluorobiphenyl
Concen: 16.643 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.4
170	23.1	19.6	29.4

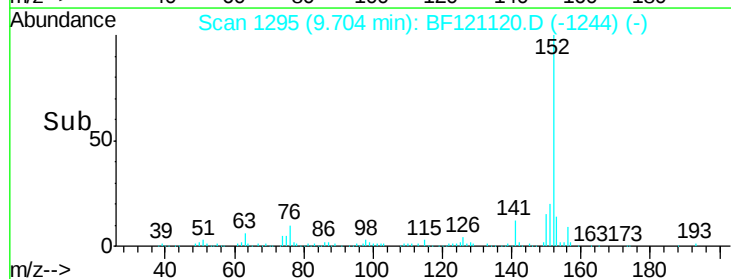
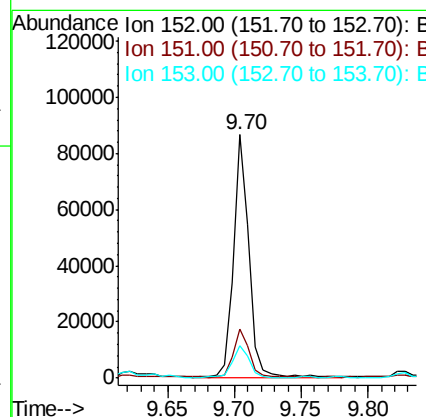
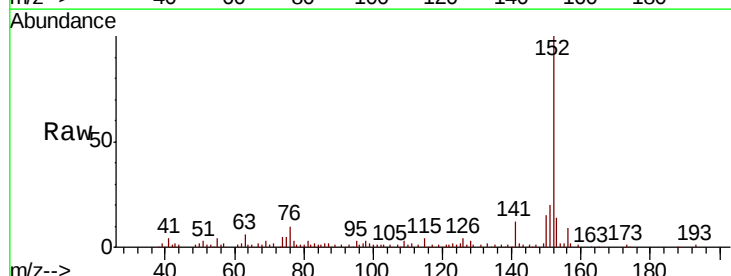
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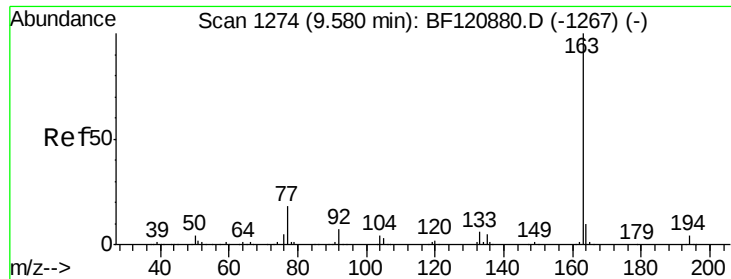
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#49
Acenaphthylene
Concen: 2.906 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0
153	13.6	11.0	16.4





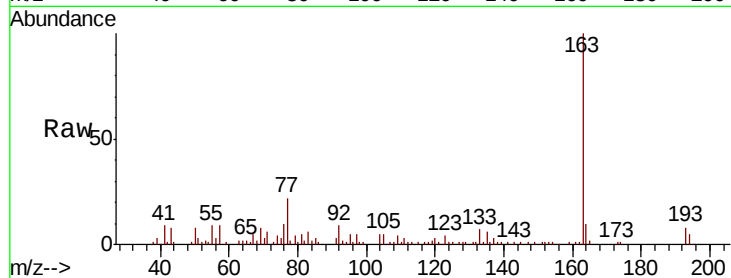
#50
Dimethylphthalate
Concen: 2.652 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampleId :
2

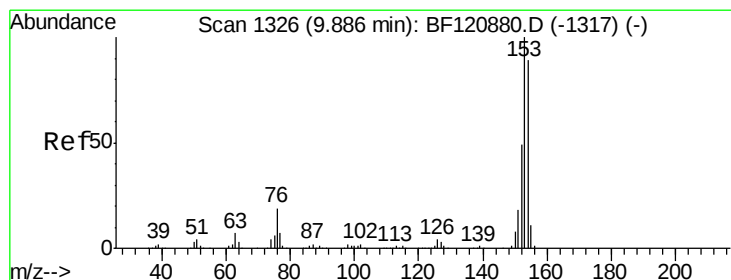
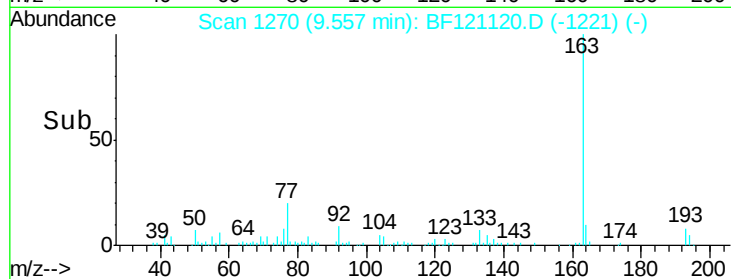
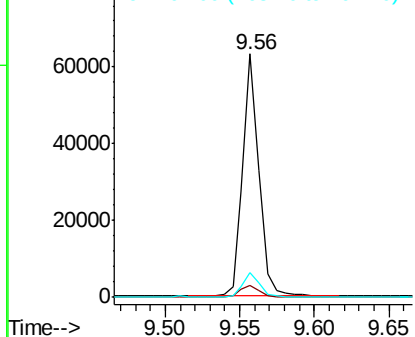
Tot Ion	Ratio	Resp	Lower	Upper
163	100	47638		
194	5.1		3.0	4.4#
164	10.1		8.4	12.6

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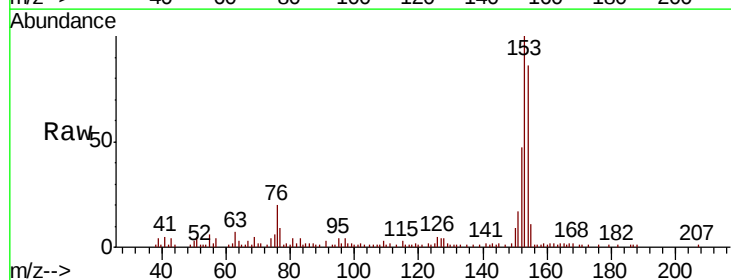


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

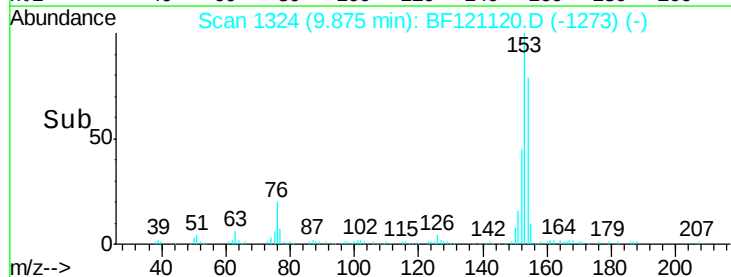
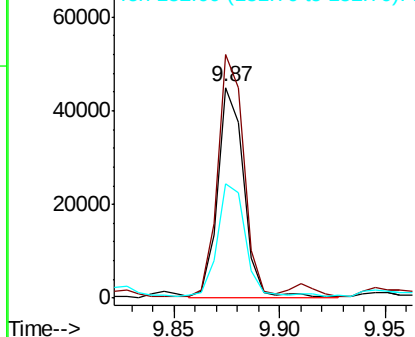


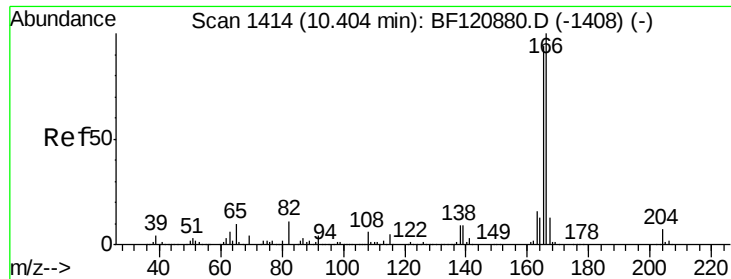
#52
Acenaphthene
Concen: 2.551 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	39012		
153	115.6		89.6	134.4
152	54.6		43.8	65.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





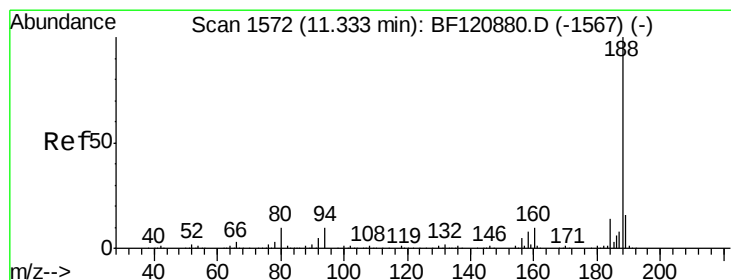
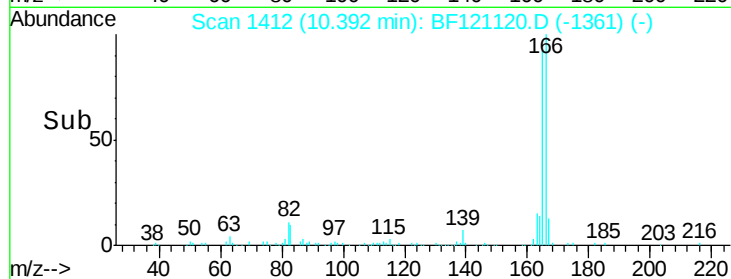
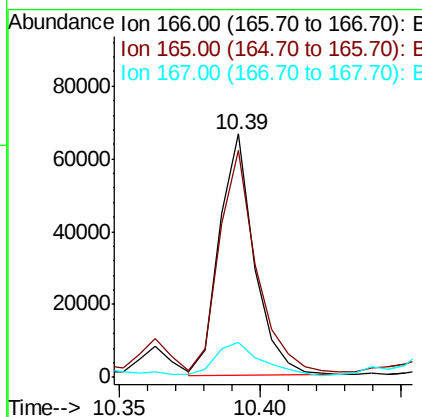
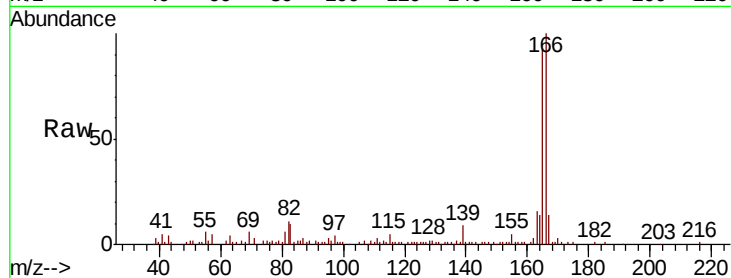
#58
 Fluorene
 Concen: 3.440 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF121120.D
 Acq: 30 Jul 2020 00:34

Instrument :
 BNA_F
 ClientSampled :
 2

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.2	76.4	114.6
167	14.3	10.7	16.1

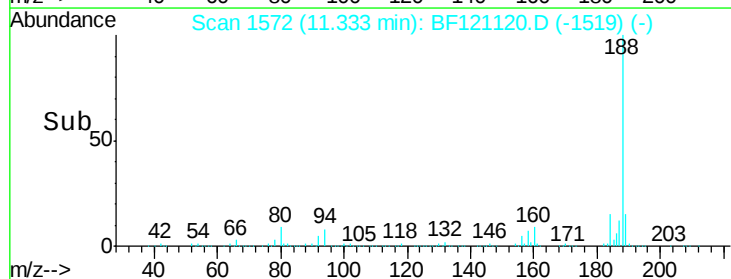
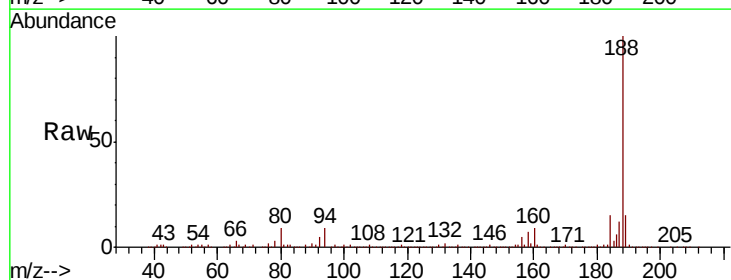
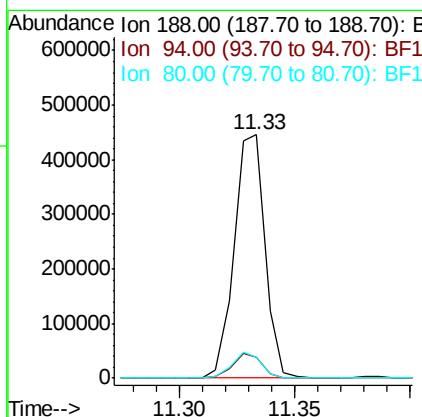
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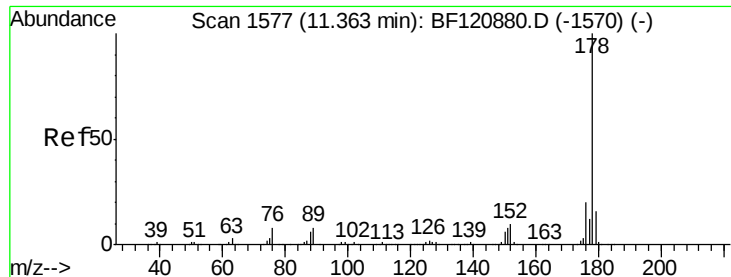
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF121120.D
 Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.0	12.0
80	8.8	8.3	12.5





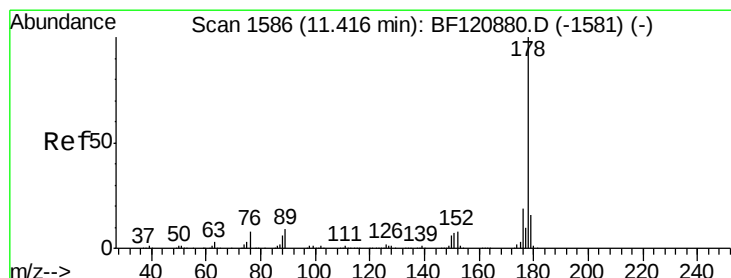
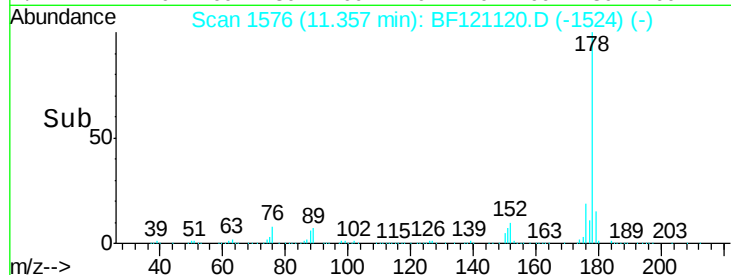
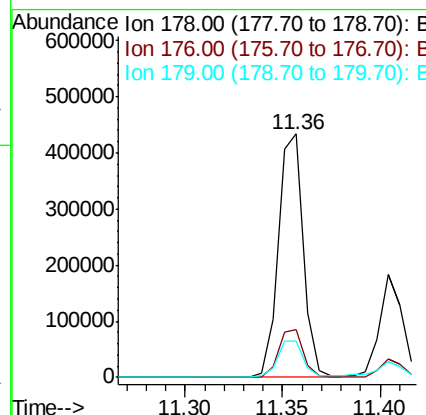
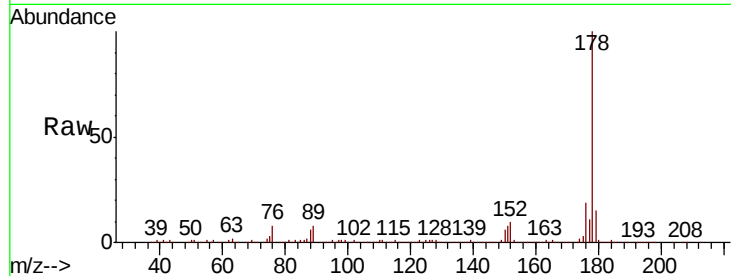
#71
Phenanthrene
Concen: 17.897 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.2
179	15.1	12.6	19.0

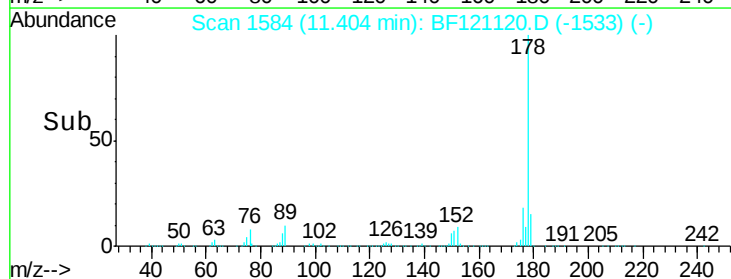
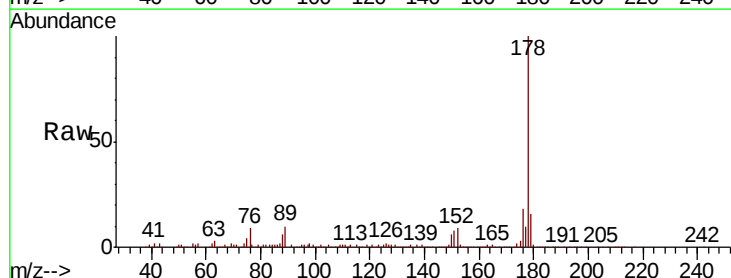
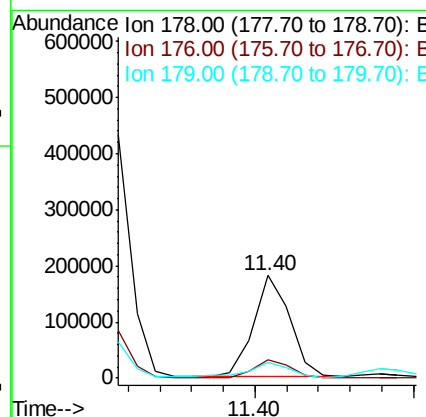
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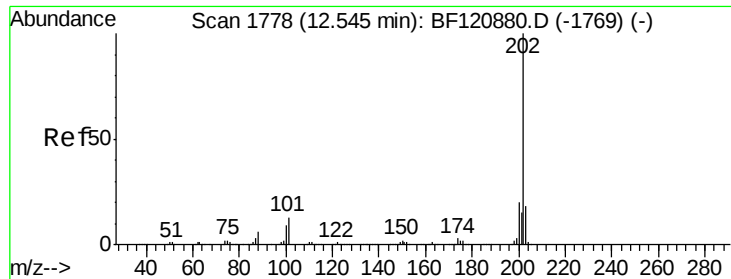
mohammad
7/30/2020 3:34:13 PM



#72
Anthracene
Concen: 6.711 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.7	12.6	19.0





#75

Fluoranthene

Concen: 25.197 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF121120.D

Acq: 30 Jul 2020 00:34

Instrument :

BNA_F

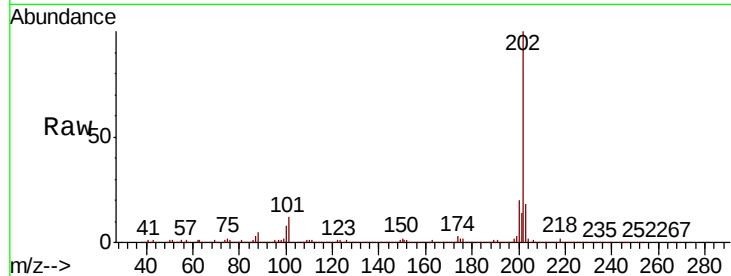
ClientSampleId :

2

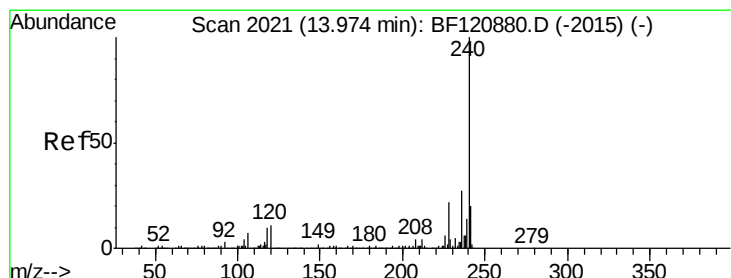
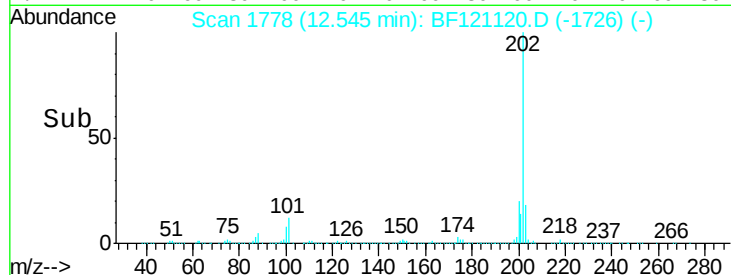
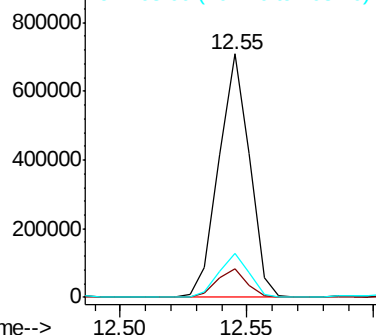
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.7	0.0	30.5
203	18.2	0.0	37.7

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

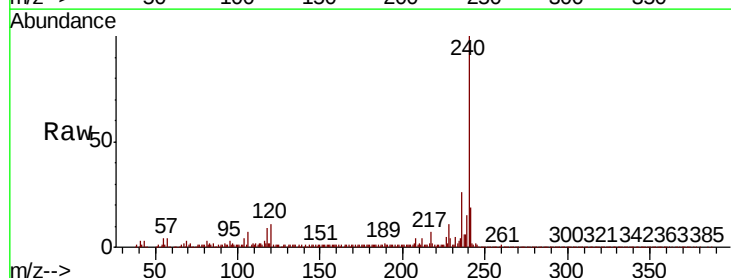
RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

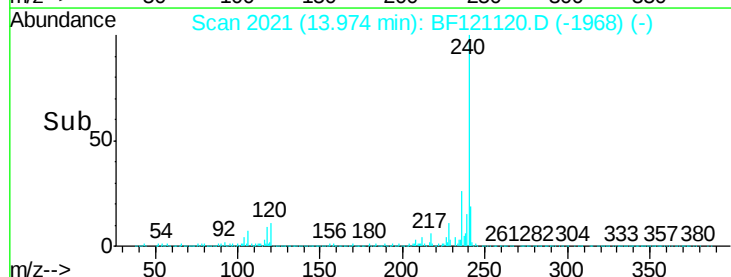
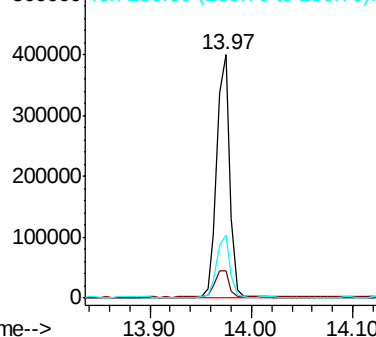
Lab File: BF121120.D

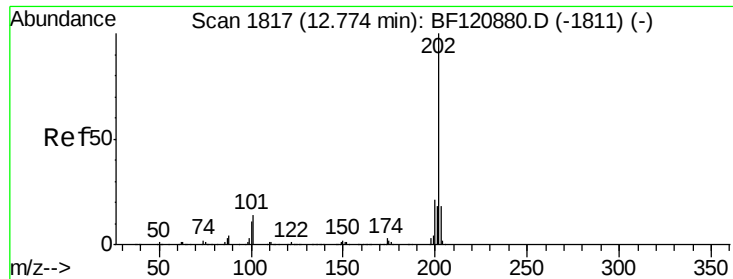
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	9.3	13.9
236	26.0	21.1	31.7



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





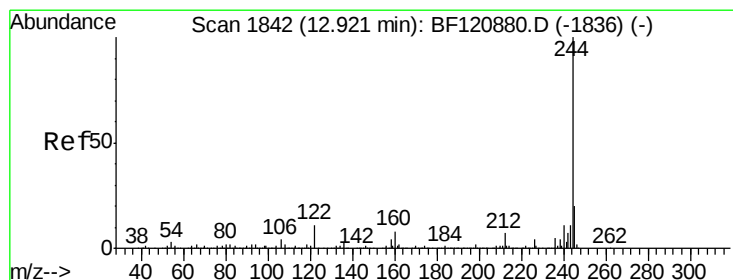
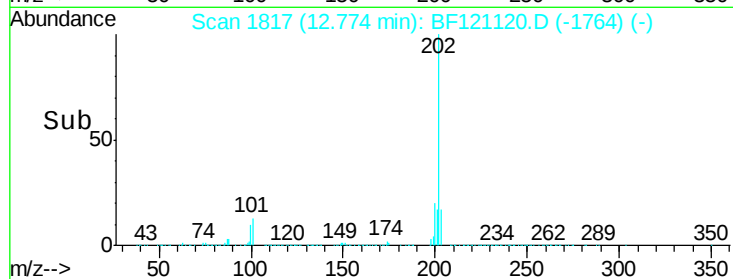
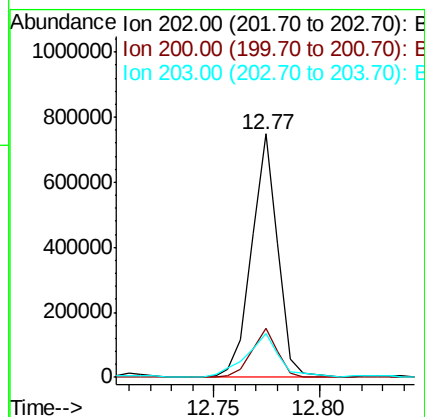
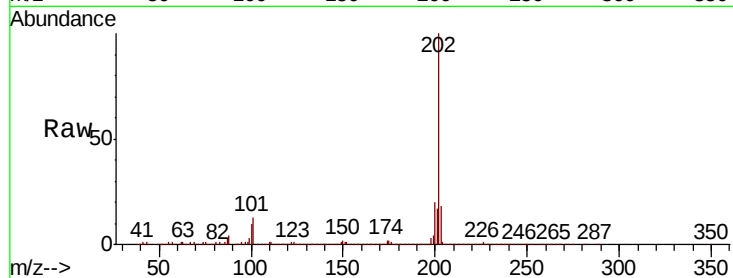
#78
Pvrene
Concen: 25.513 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.1		17.0	25.6	
203	17.9		14.6	21.8	

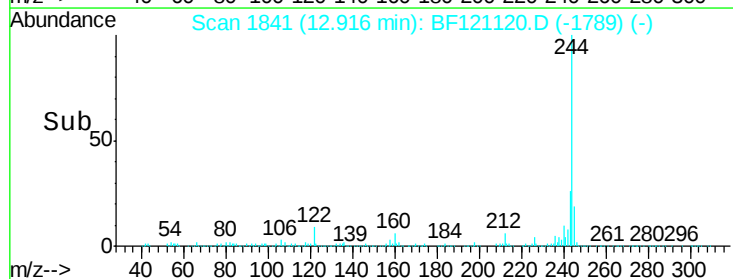
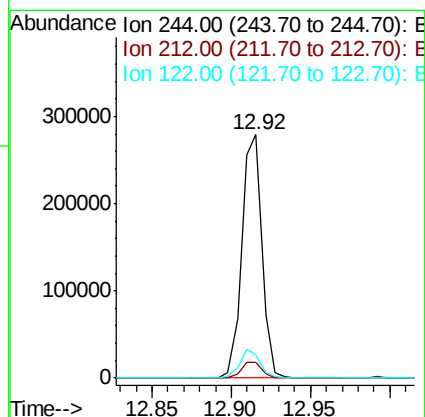
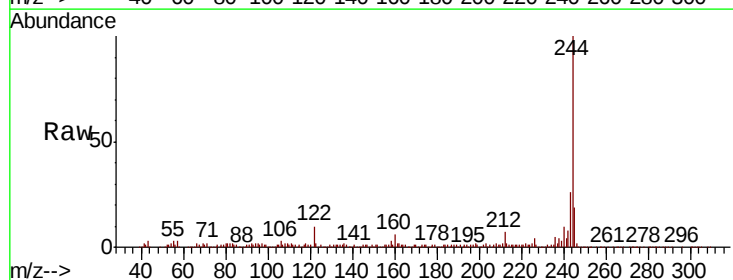
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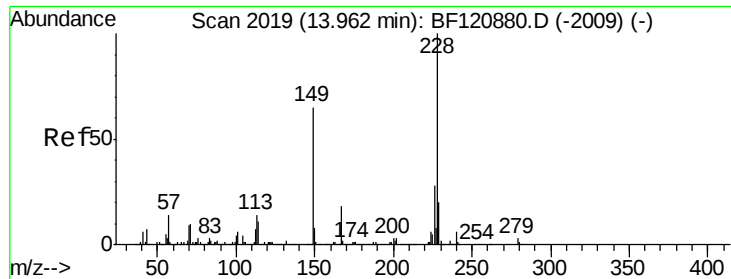
mohammad
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#79
Terphenyl-d14
Concen: 14.889 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.6		5.7	8.5	
122	9.7		8.3	12.5	





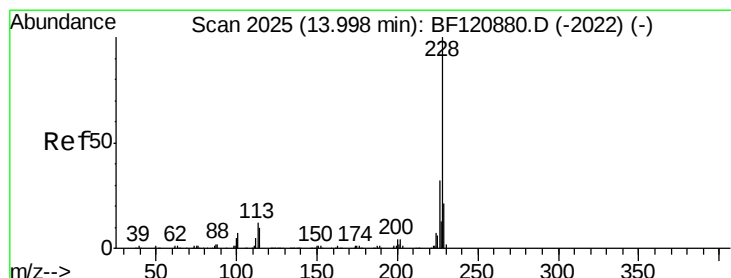
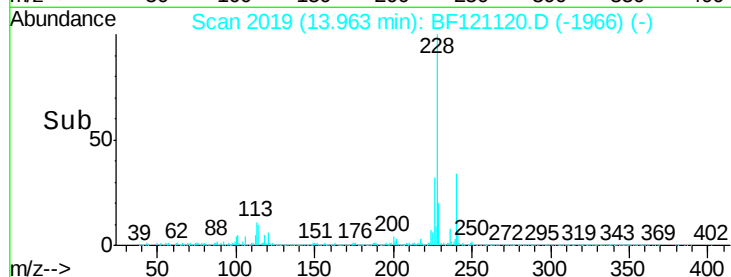
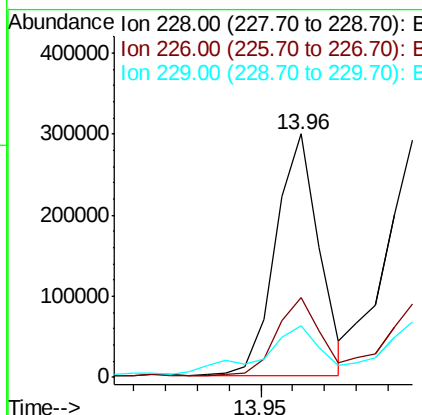
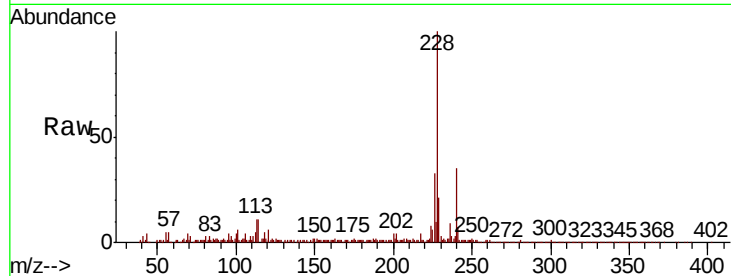
#81
Benzo(a)anthracene
Concen: 13.125 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	34.0
229	21.2	16.1	24.1

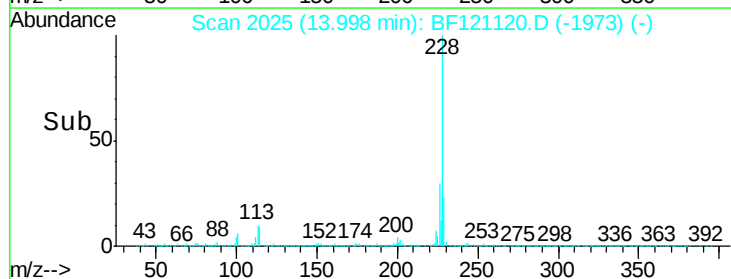
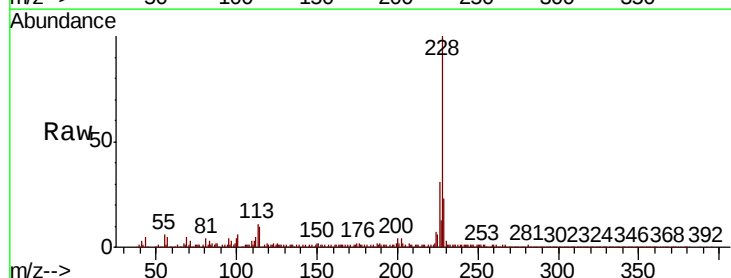
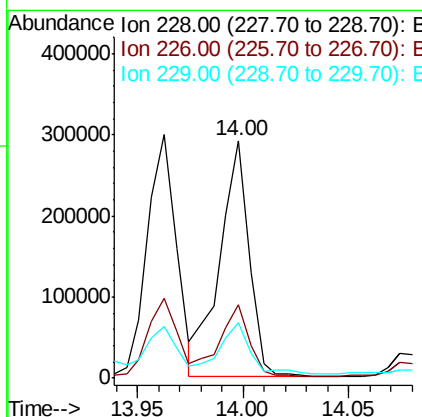
Manual Integrations
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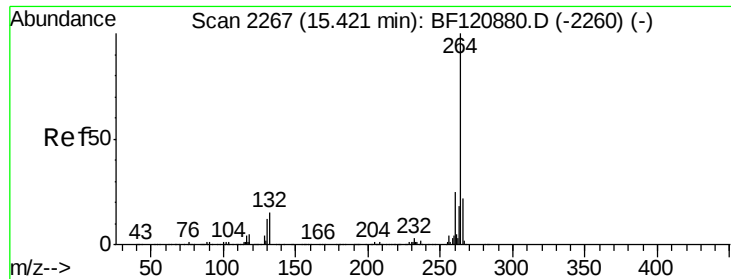
mohammad
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#83
Chrysene
Concen: 12.344 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.0
229	23.4	16.2	24.4





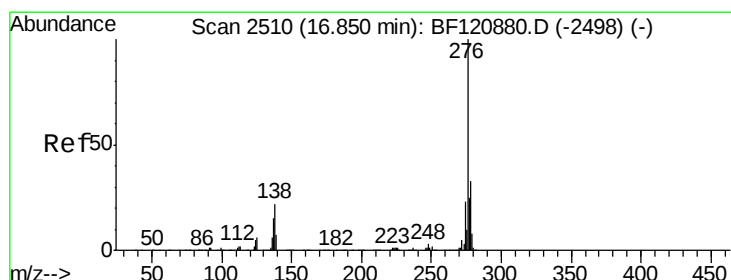
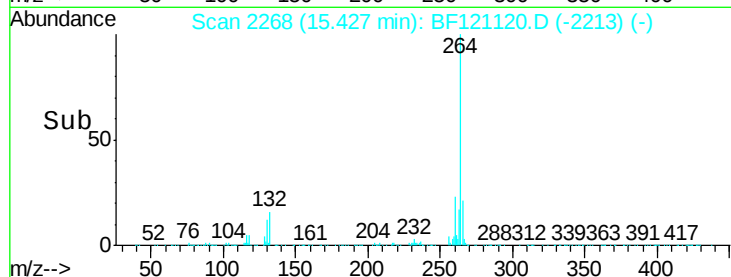
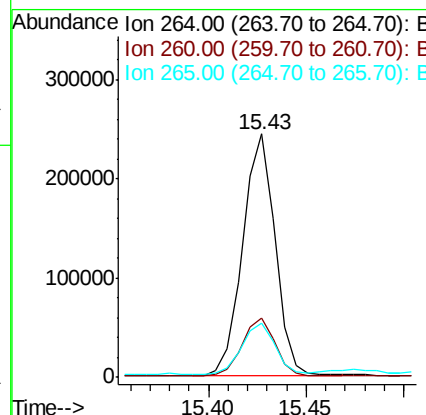
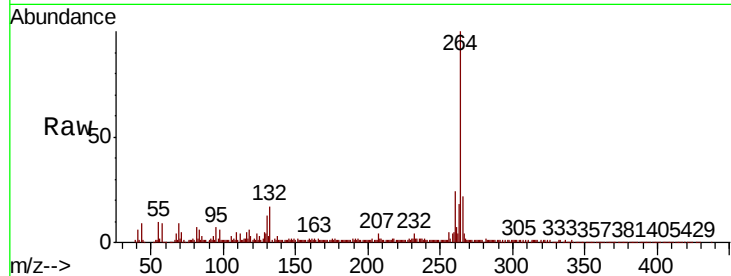
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampled :
2

Tot Ion:	264	Resp:	280627
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.9	29.9
265	22.2	17.8	26.8

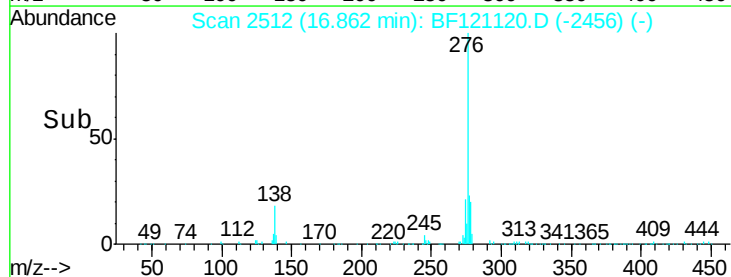
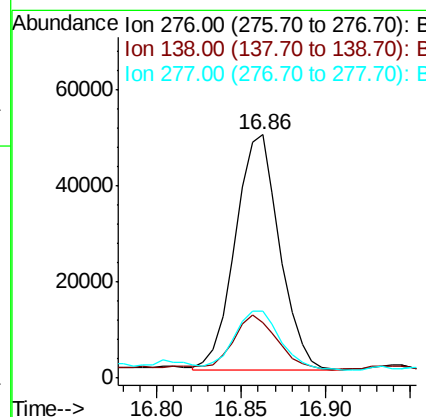
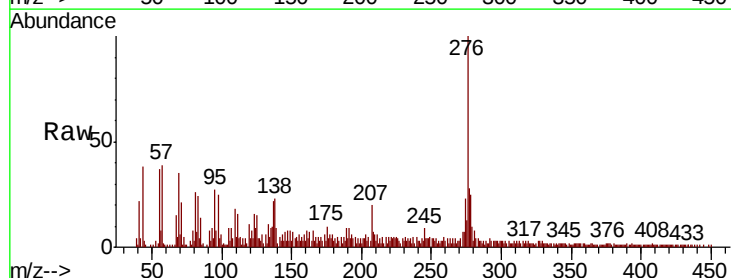
Manual Integrations
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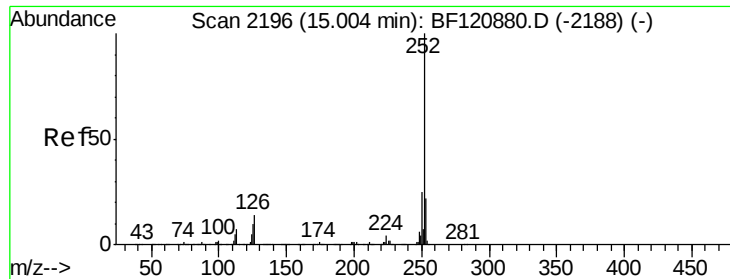
mohammad
7/30/2020 3:34:13 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.571 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.03 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion:	276	Resp:	89207
Ion Ratio	Lower	Upper	
276	100		
138	23.9	19.3	28.9
277	26.5	20.1	30.1





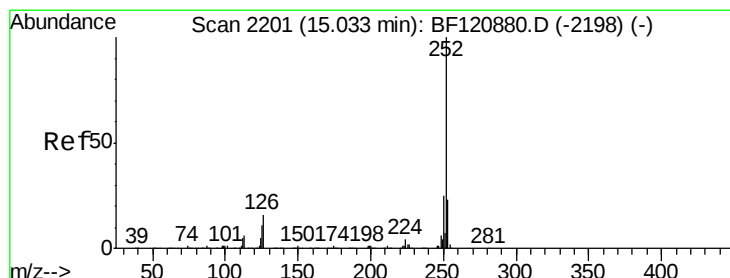
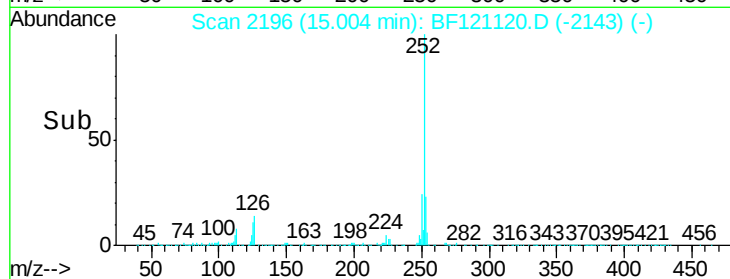
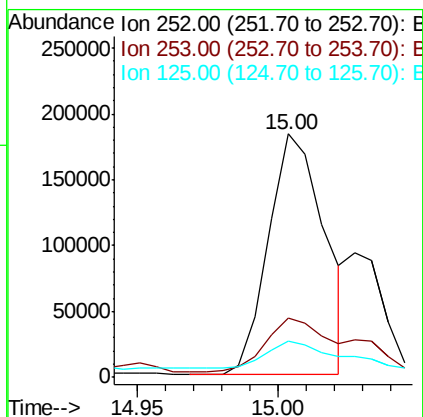
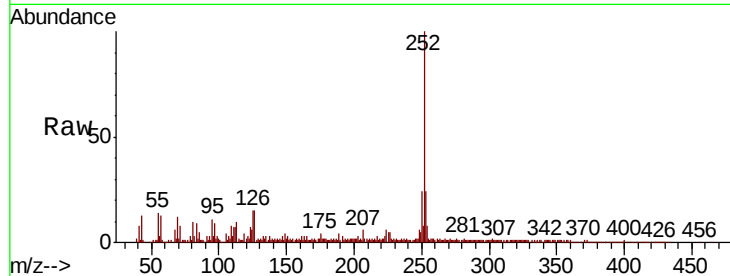
#88
Benzo(b)fluoranthene
Concen: 14.924 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	14.9	8.1	12.1

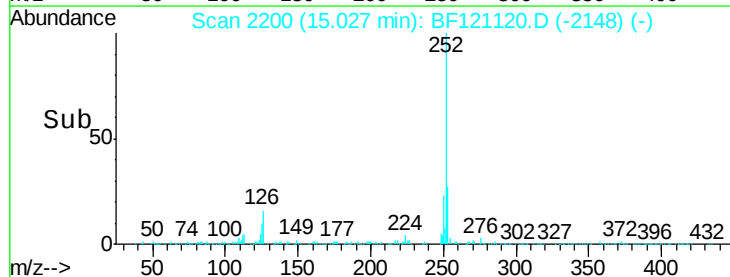
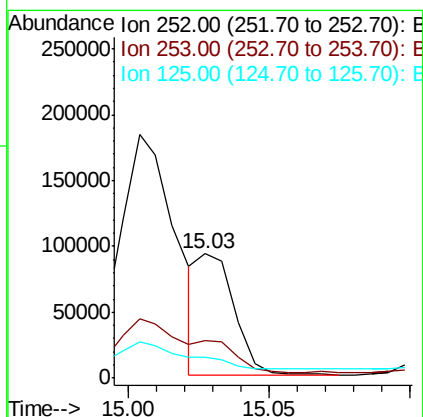
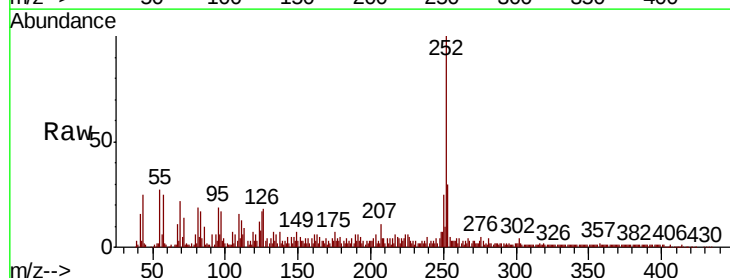
Manual Integrations
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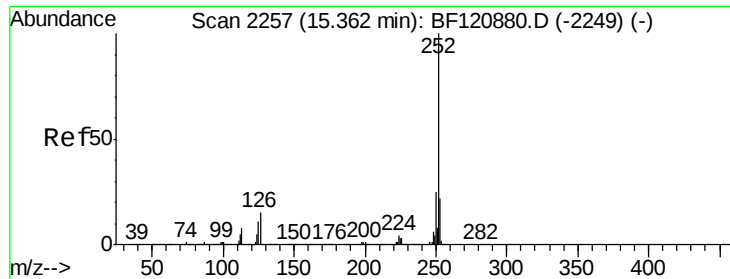
mohammad
7/30/2020 3:34:13 PM



#89
Benzo(k)fluoranthene
Concen: 5.288 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121120.D
Acq: 30 Jul 2020 00:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	18.1	27.1
125	16.9	8.0	12.0





#90

Benzo(a)pyrene

Concen: 11.763 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.02 min

Lab File: BF121120.D

Acq: 30 Jul 2020 00:34

Instrument :

BNA_F

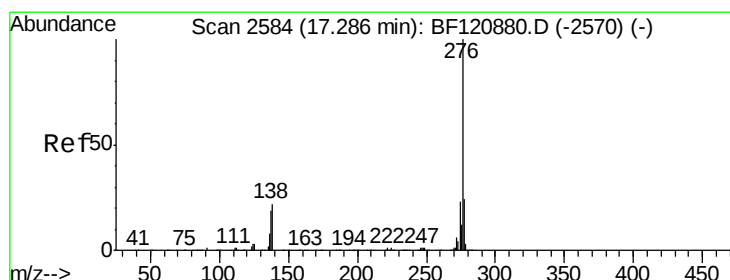
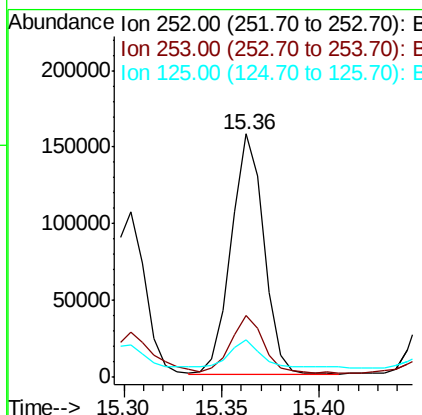
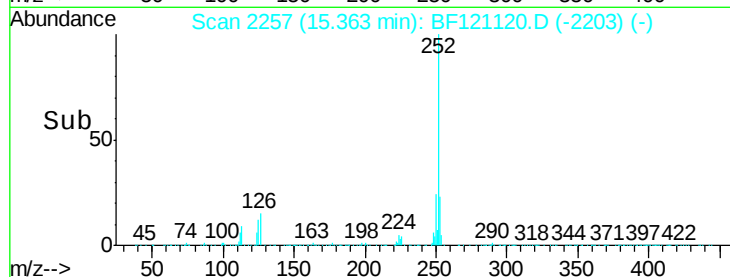
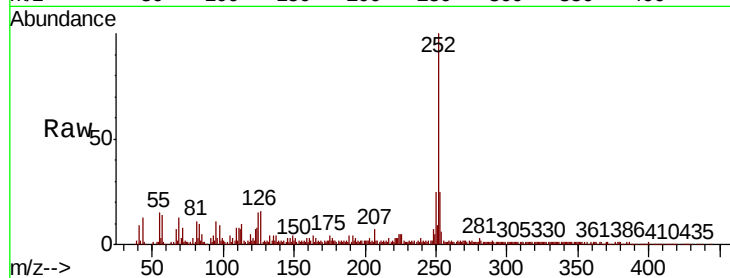
ClientSampleId :

2

Tot Ion:	252	Resp:	182043
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.0	27.0
125	15.5	9.5	14.3#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 5.632 ng

RT: 17.29 min Scan# 2585

Delta R.T. 0.03 min

Lab File: BF121120.D

Acq: 30 Jul 2020 00:34

Tgt Ion:	276	Resp:	88527
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.4	29.0
138	25.3	17.2	25.8

