

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121122.D
 Acq On : 30 Jul 2020 1:34
 Operator : JU/CG
 Sample : L3436-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5

Manual Integrations
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mohammad
 7/30/2020 3:34:28 PM

Quant Time: Jul 30 04:14:42 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	6.81	152	185640	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	655354	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	311422	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	552417	20.00	ng	0.01
76) Chrysene-d12	13.97	240	458397	20.00	ng	0.01
86) Perylene-d12	15.43	264	359498	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	163250	14.42	ng	0.00
7) Phenol-d6	6.45	99	192657	13.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	99097	8.75	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	41122	12.06	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	220733	10.58	ng	0.00
79) Terphenyl-d14	12.92	244	217372	10.31	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.11	128	106982	3.182	ng	99
49) Acenaphthylene	9.70	152	76107	2.529	ng	98
52) Acenaphthene	9.87	154	71580	3.742	ng	98
55) Dibenzofuran	10.05	168	67409	2.437	ng	96
58) Fluorene	10.39	166	104881	5.084	ng	99
71) Phenanthrene	11.36	178	706817	24.878	ng	99
72) Anthracene	11.41	178	270022	9.465	ng	99
73) Carbazole	11.56	167	60658	2.142	ng	99
75) Fluoranthene	12.55	202	1043857	33.147	ng	99
78) Pyrene	12.78	202	1020991	31.503	ng	99
81) Benzo(a)anthracene	13.96	228	460542	16.591	ng	97
83) Chrysene	14.00	228	405568	13.903	ng	97
87) Indeno(1,2,3-cd)pyrene	16.87	276	146188	5.847	ng	97
88) Benzo(b)fluoranthene	15.01	252	394239m	18.142	ng	
89) Benzo(k)fluoranthene	15.03	252	109109m	5.506	ng	
90) Benzo(a)pyrene	15.37	252	271393	13.689	ng	98
92) Benzo(a,h,i)perylene	17.30	276	140355	6.970	ng	96

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

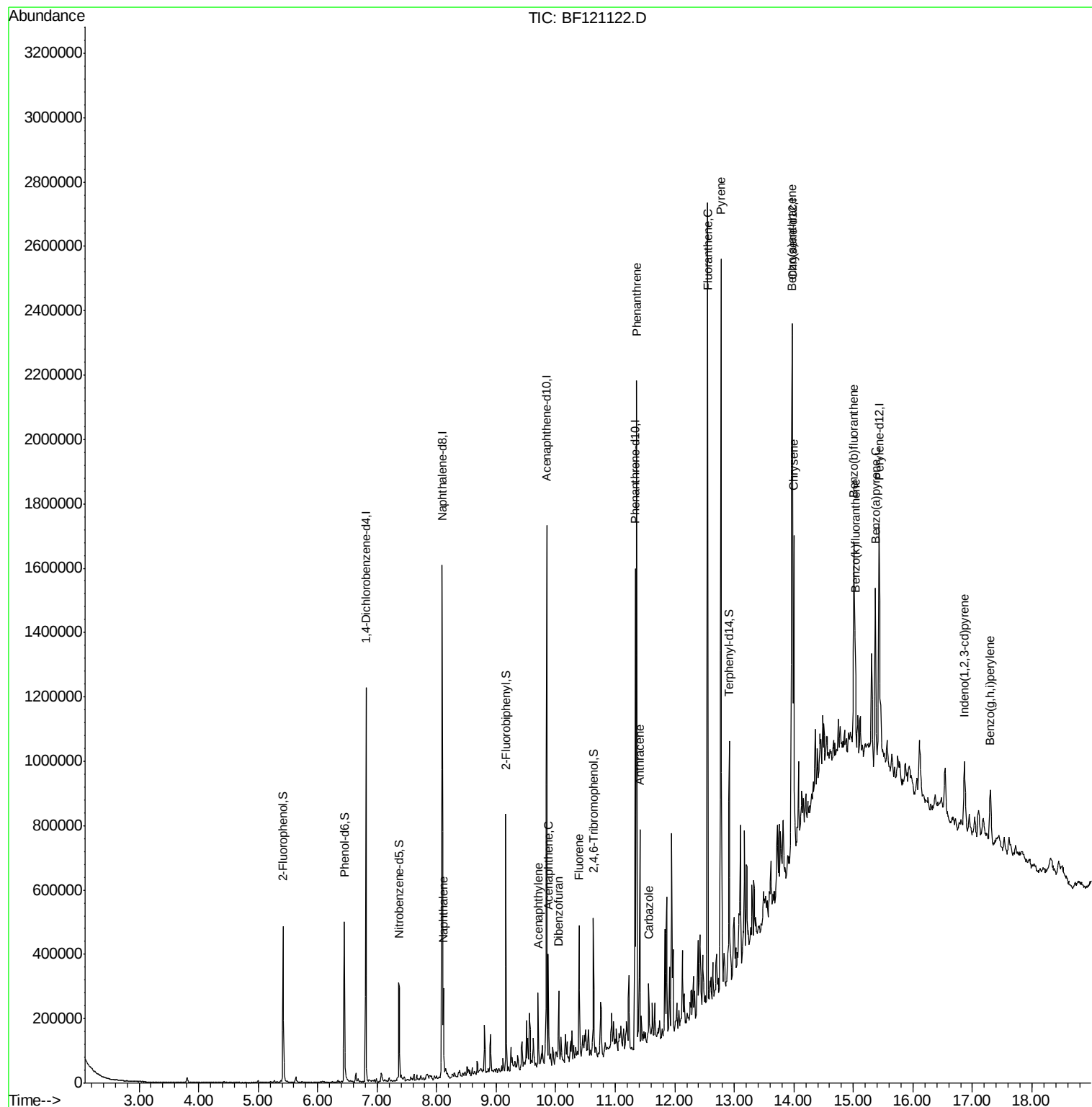
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
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#1

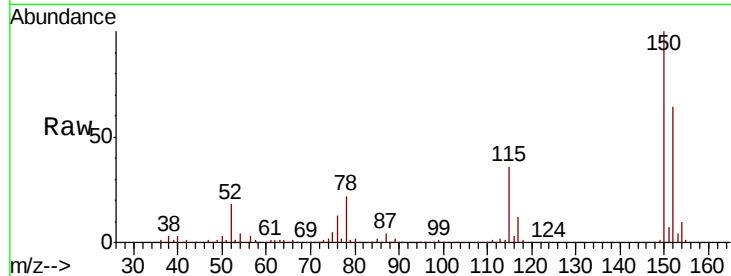
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.6	188.4
115	56.8	46.2	69.2

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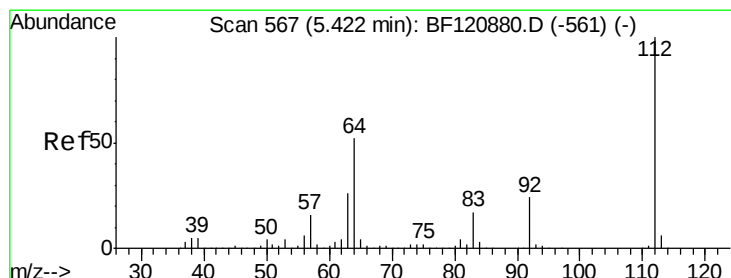
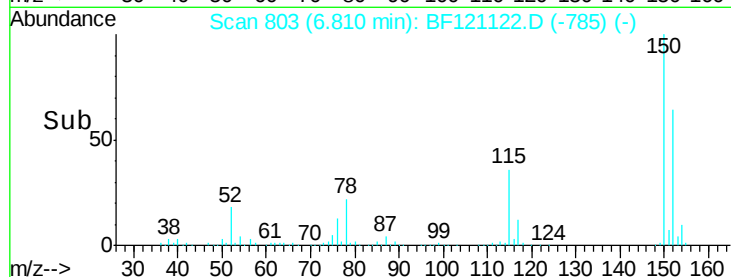
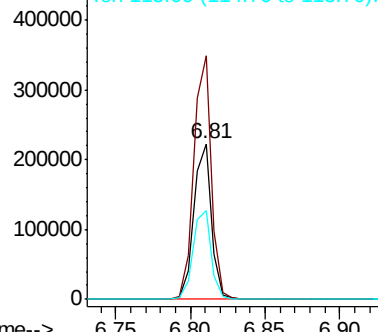


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

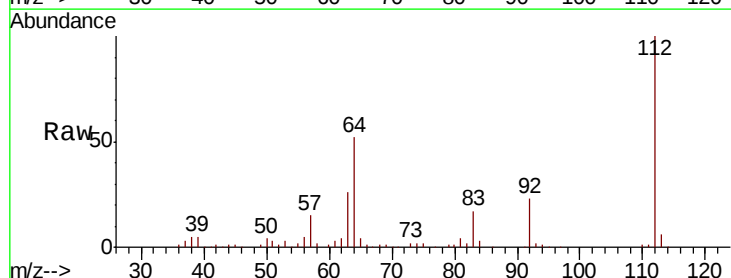
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.416 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	43.9	65.9
63	25.6	22.7	34.1

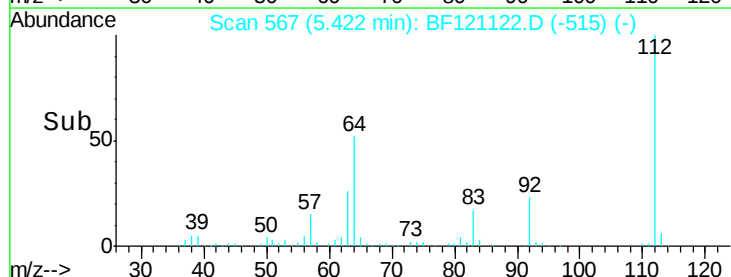
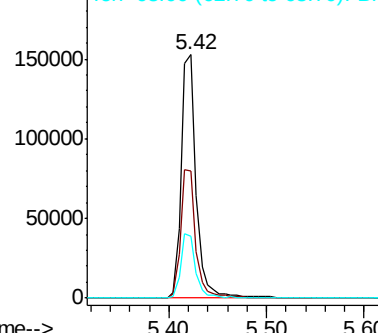


Abundance

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: 13.171 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121122.D

Acq: 30 Jul 2020 1:34

Instrument :

BNA_F

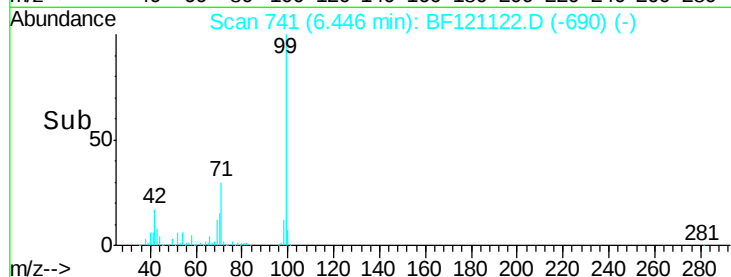
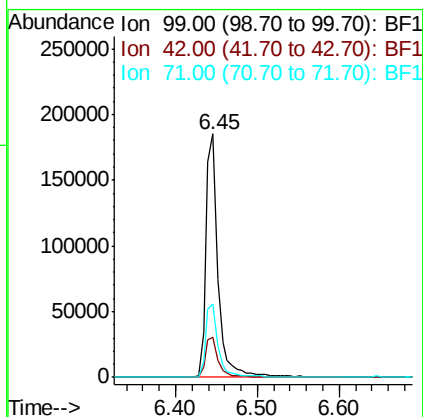
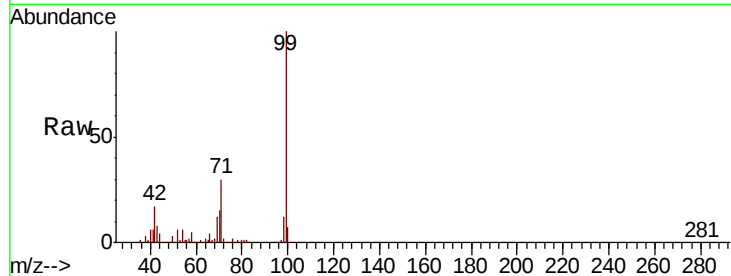
ClientSampled :

5

Tot Ion:	99	Resp:	192657
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.5	20.3
71	30.2	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.000 ng

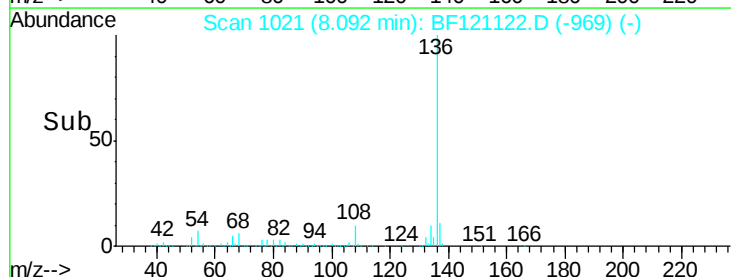
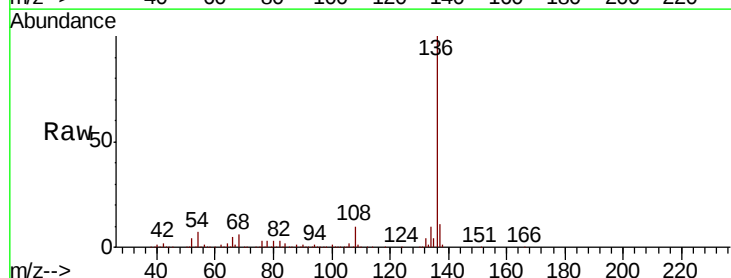
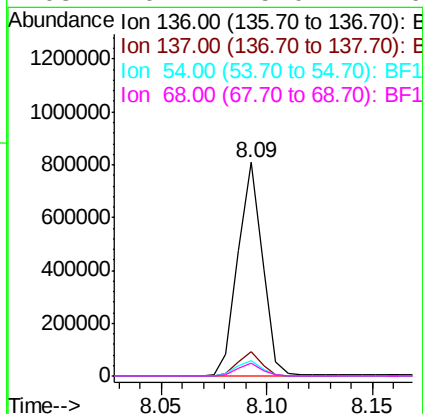
RT: 8.09 min Scan# 1021

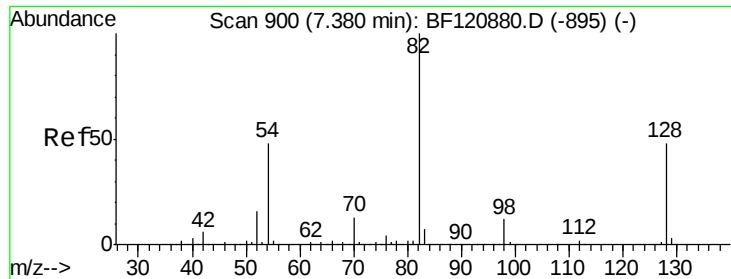
Delta R.T. 0.01 min

Lab File: BF121122.D

Acq: 30 Jul 2020 1:34

Tgt Ion:	136	Resp:	655354
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.3	6.1	9.1
68	6.1	5.0	7.6





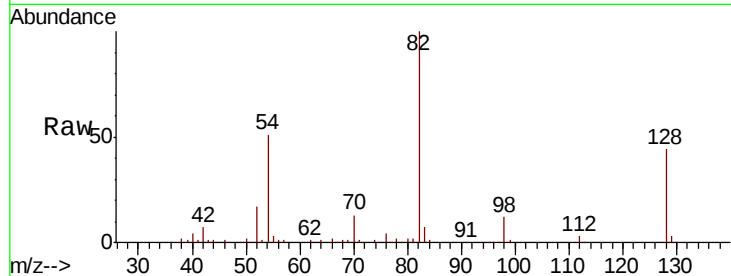
#23
Nitrobenzene-d5
Concen: 8.750 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Instrument :
BNA_F
ClientSampled :
5

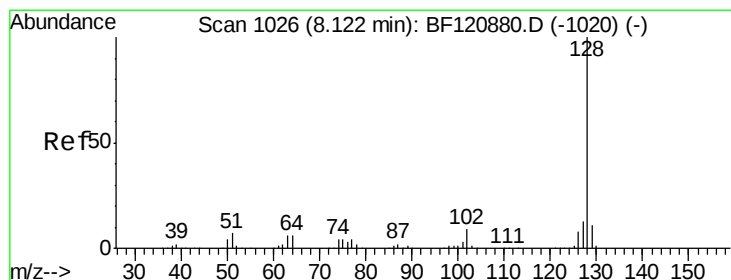
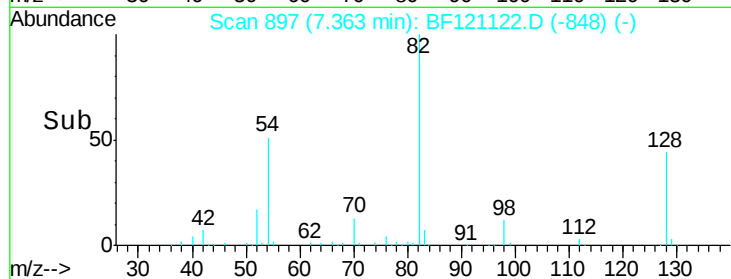
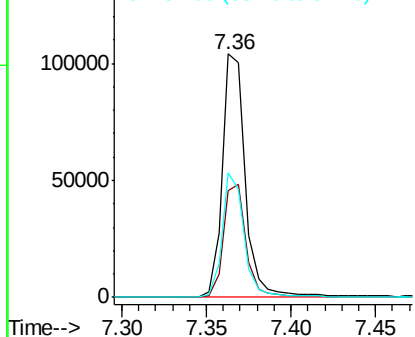
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	39.2	58.8
54	51.0	37.8	56.8

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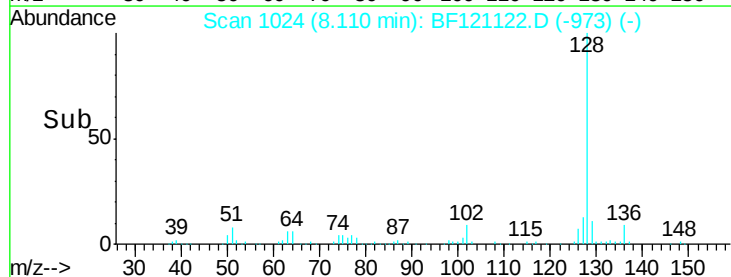
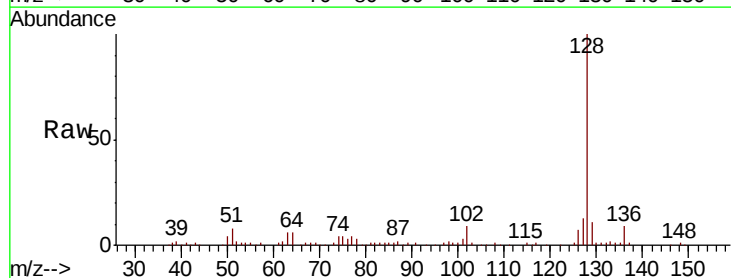
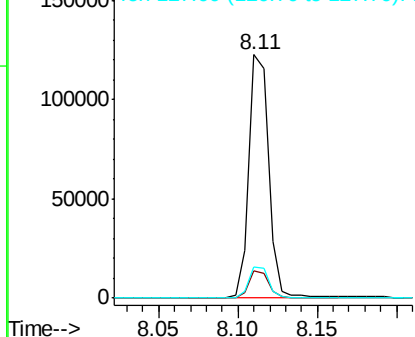
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

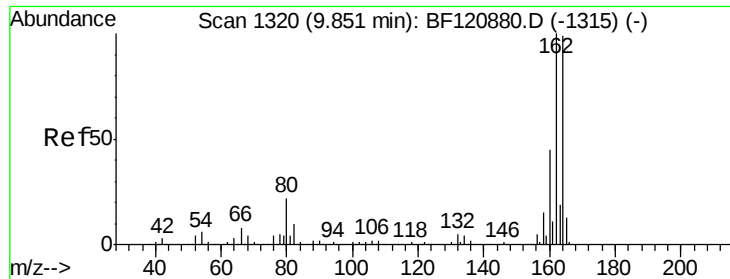


#31
Naphthalene
Concen: 3.182 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	13.0	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





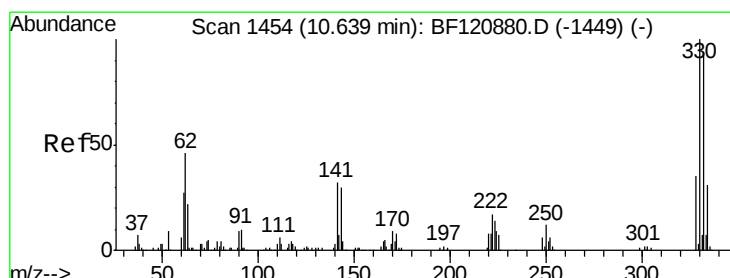
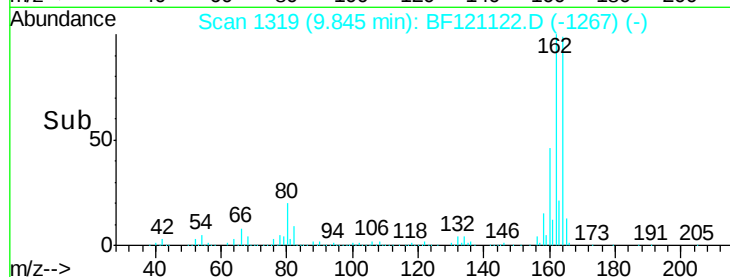
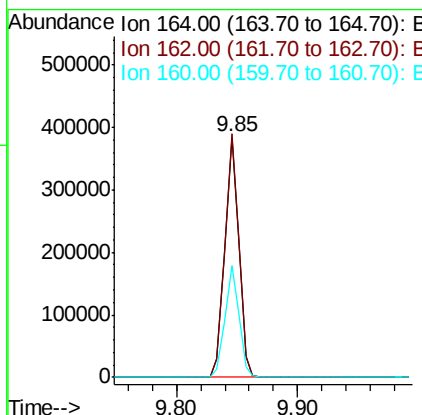
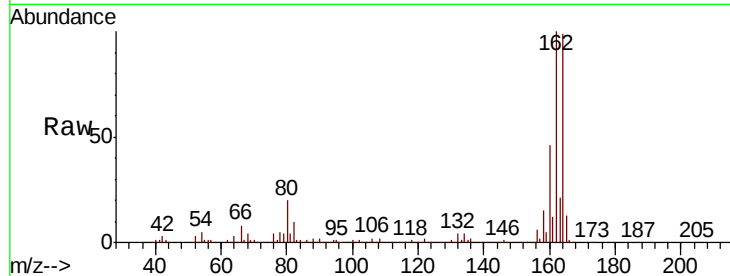
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	82.2	123.2	
160	46.8	37.2	55.8	

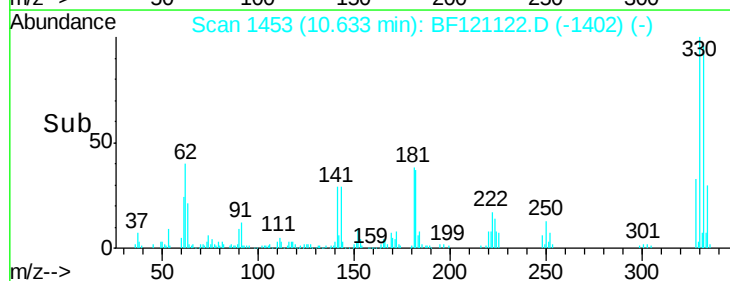
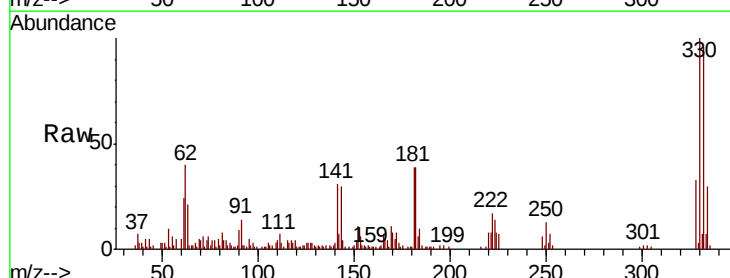
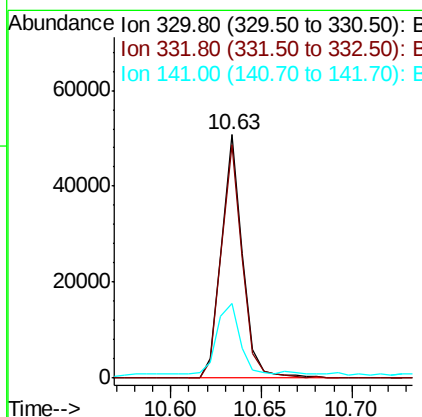
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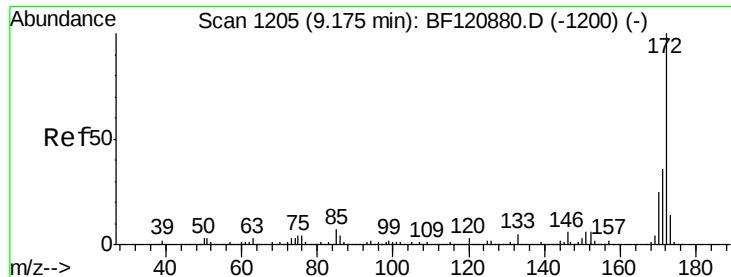
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#42
2,4,6-Tribromophenol
Concen: 12.063 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	76.1	114.1	
141	35.9	24.1	36.1	





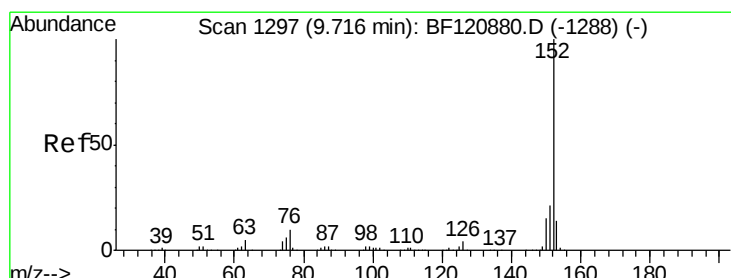
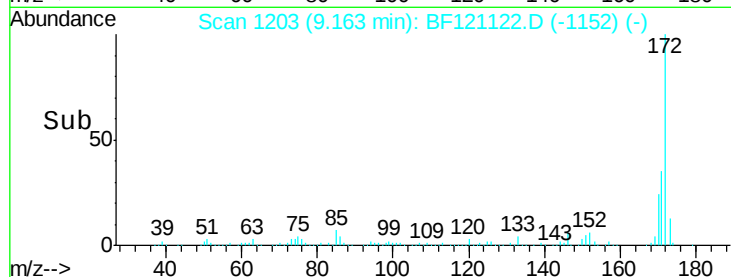
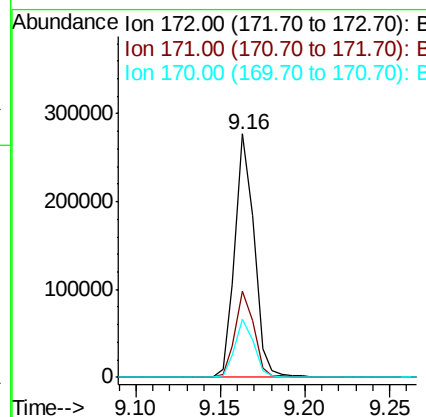
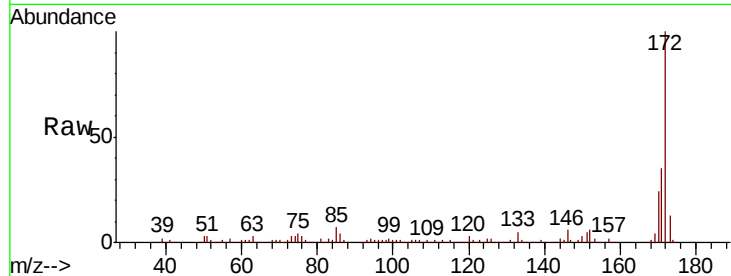
#45
2-Fluorobiphenyl
Concen: 10.583 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Resp	Lower	Upper
172	100	220733		
171	35.1		29.0	43.4
170	23.9		19.6	29.4

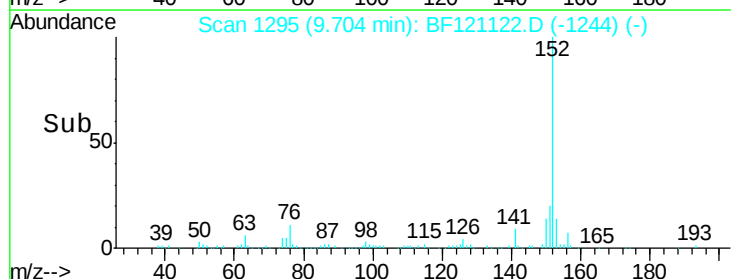
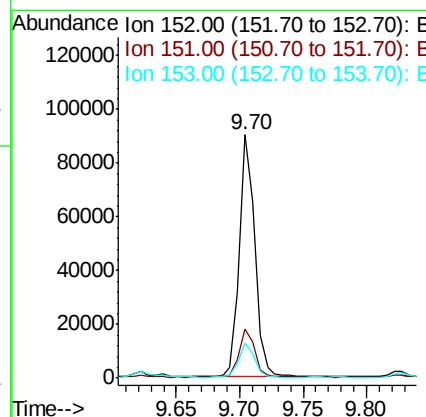
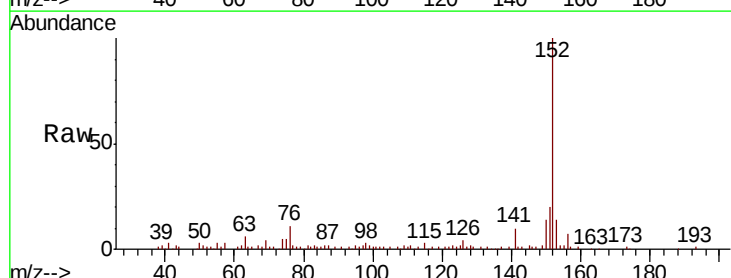
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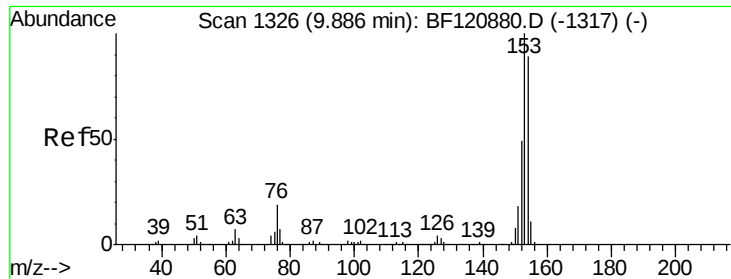
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#49
Acenaphthylene
Concen: 2.529 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	76107		
151	19.9		16.6	25.0
153	14.4		11.0	16.4





#52

Acenaphthene

Concen: 3.742 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BF121122.D

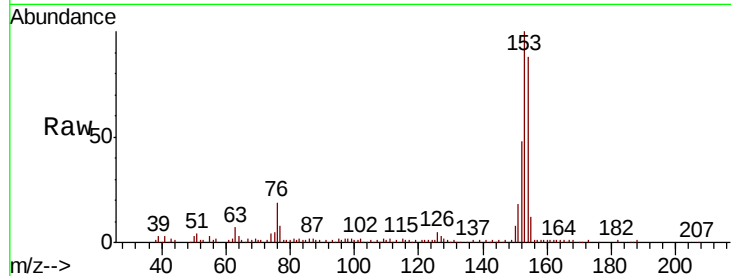
Acq: 30 Jul 2020 1:34

Instrument :

BNA_F

ClientSampleId :

5



Tot Ion:154 Resp: 71580

Ion Ratio Lower Upper

154 100

153 114.3 89.6 134.4

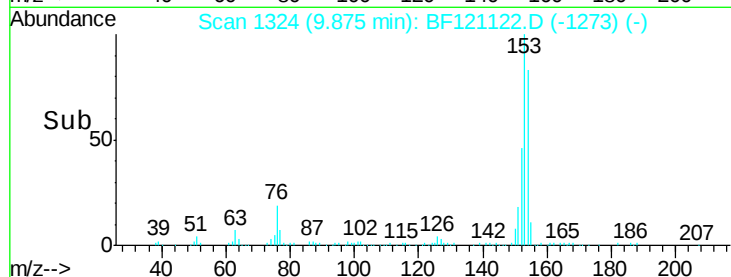
152 54.4 43.8 65.6

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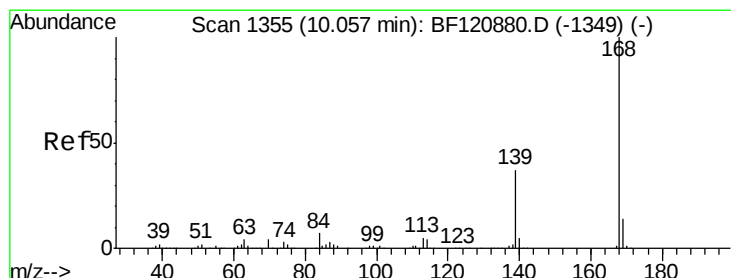
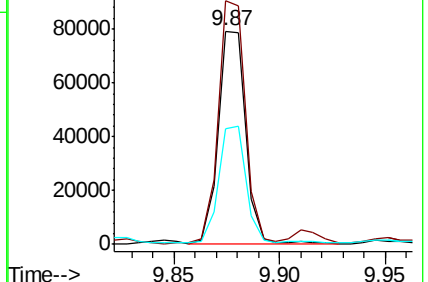
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.437 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BF121122.D

Acq: 30 Jul 2020 1:34

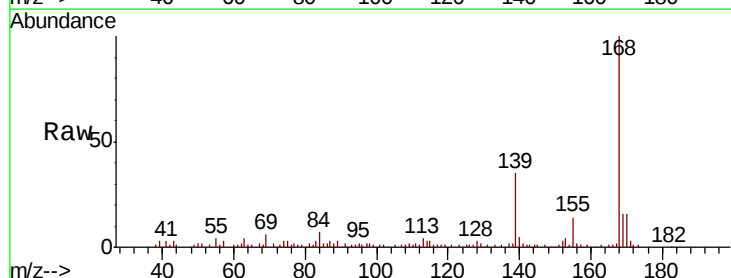
Tgt Ion:168 Resp: 67409

Ion Ratio Lower Upper

168 100

139 34.8 30.1 45.1

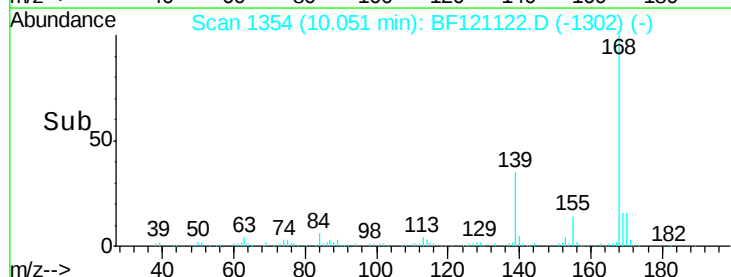
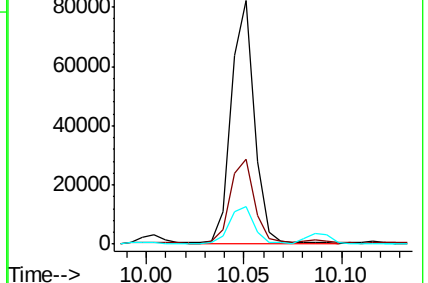
169 15.7 11.3 16.9

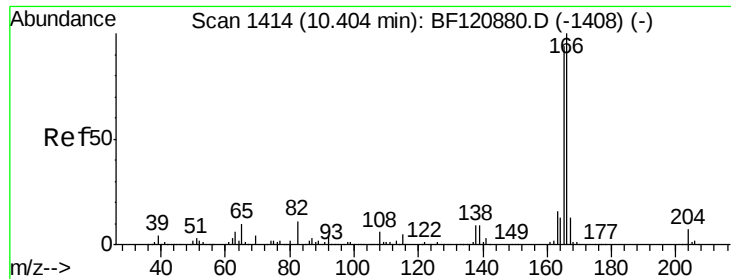


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





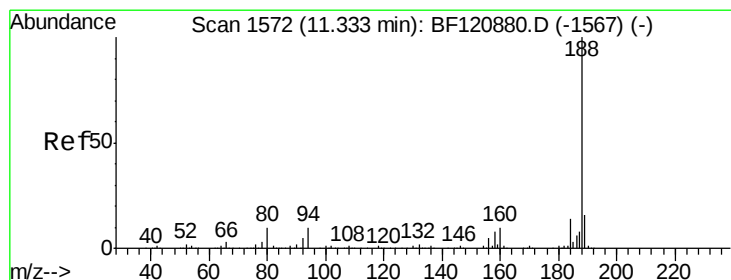
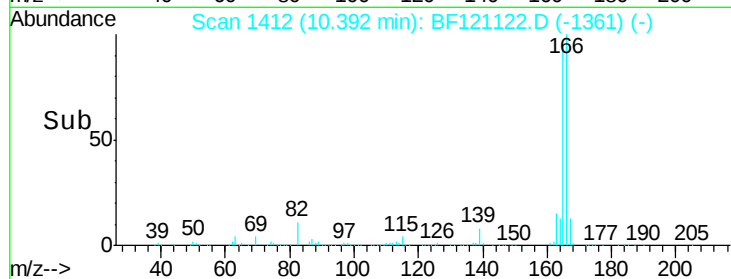
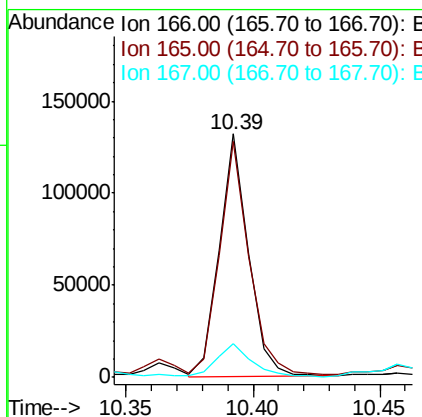
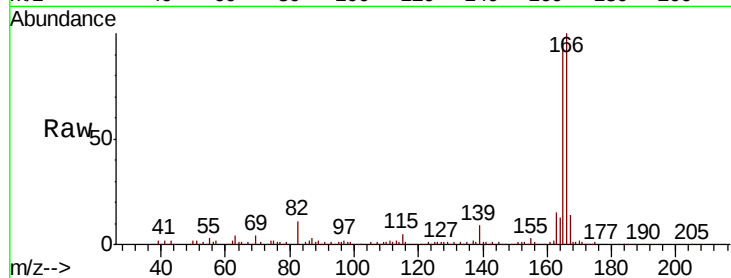
#58
 Fluorene
 Concen: 5.084 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Instrument :
 BNA_F
 ClientSampleId :
 5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		104881		
165	96.8	76.4	114.6		
167	14.0	10.7	16.1		

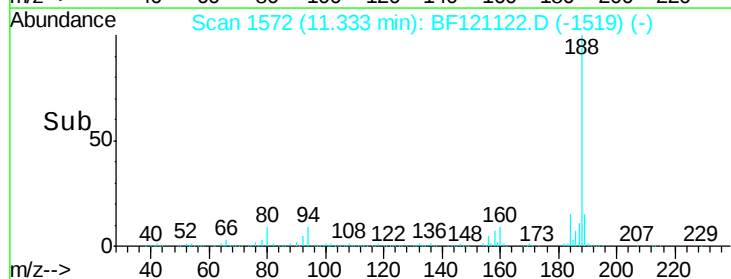
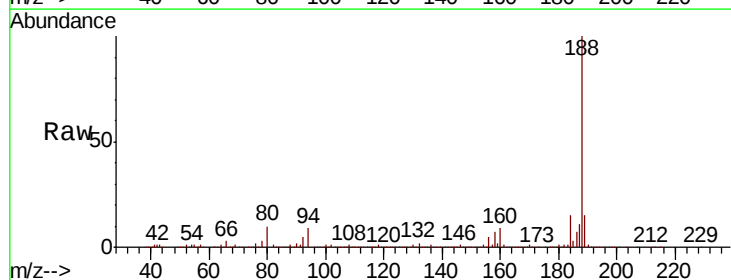
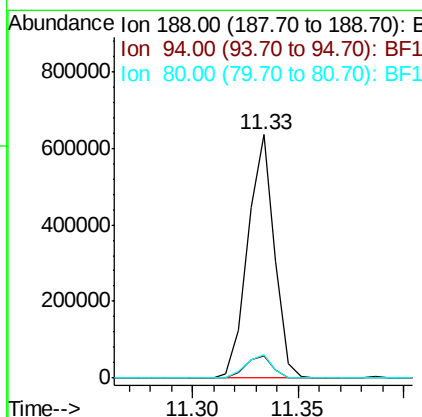
Manual Integrations
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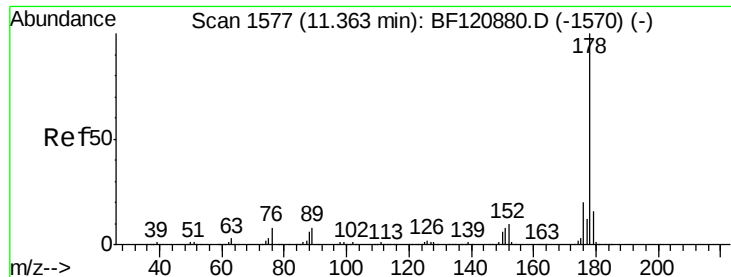
mohammad
 7/30/2020 3:34:28 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		552417		
94	8.9	8.0	12.0		
80	9.6	8.3	12.5		





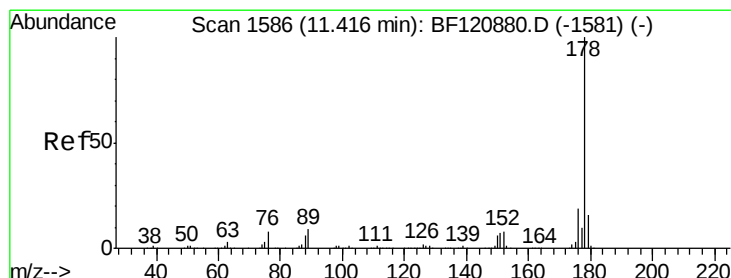
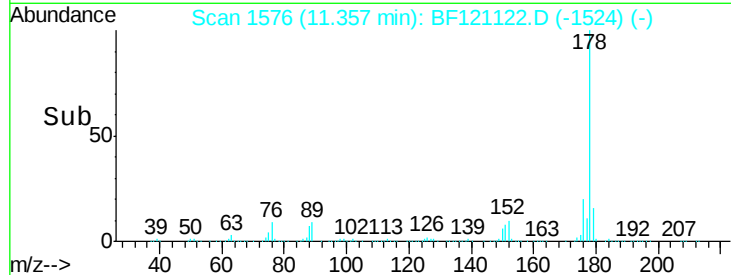
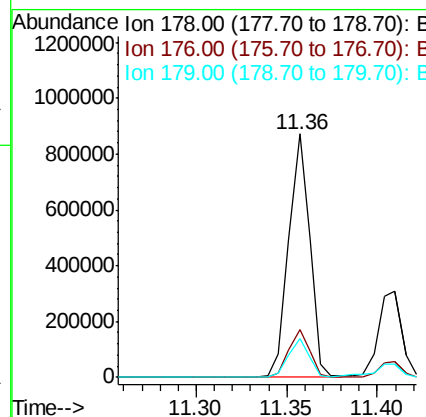
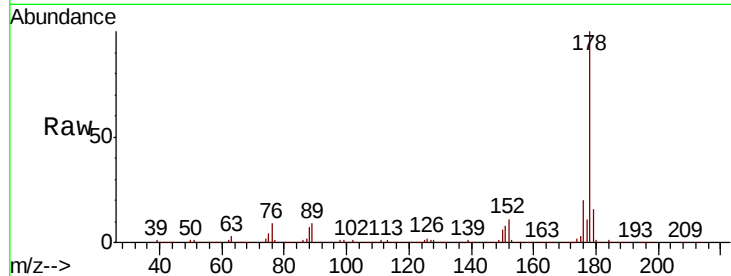
#71
Phenanthrene
Concen: 24.878 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.2
179	15.8	12.6	19.0

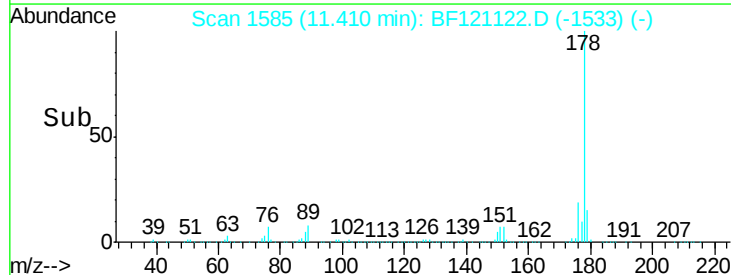
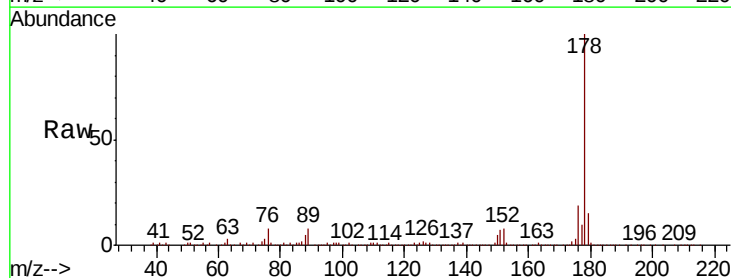
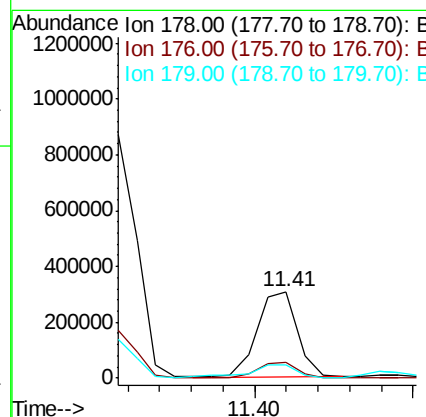
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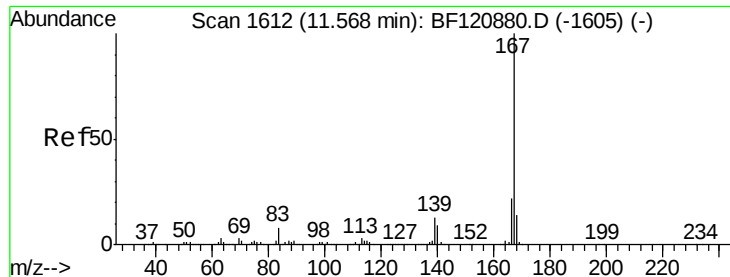
mohammad
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#72
Anthracene
Concen: 9.465 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.5	12.6	19.0





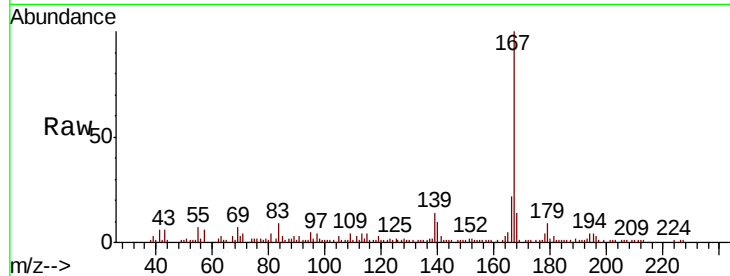
#73
 Carbazole
 Concen: 2.142 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Instrument :
 BNA_F
 ClientSampled :
 5

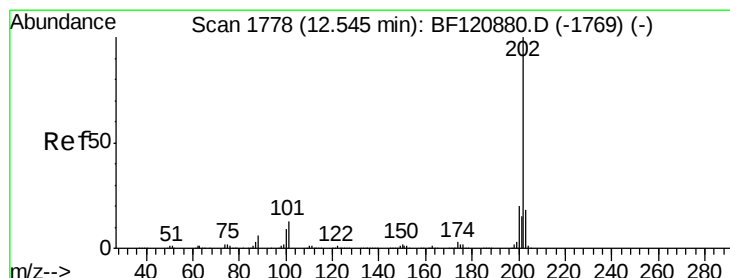
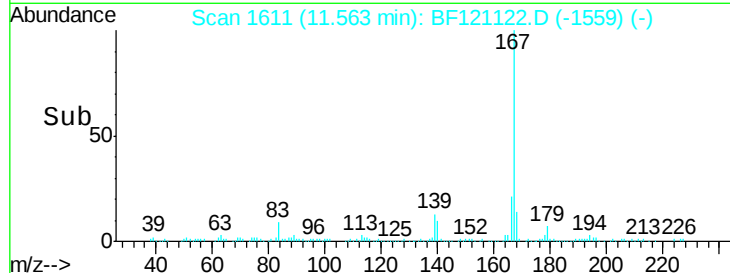
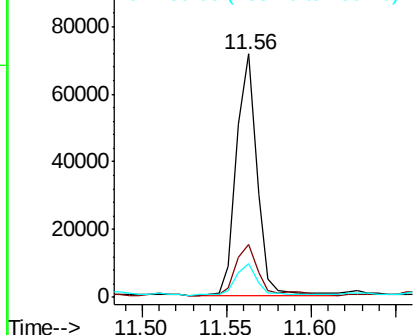
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	14.1	10.5	15.7

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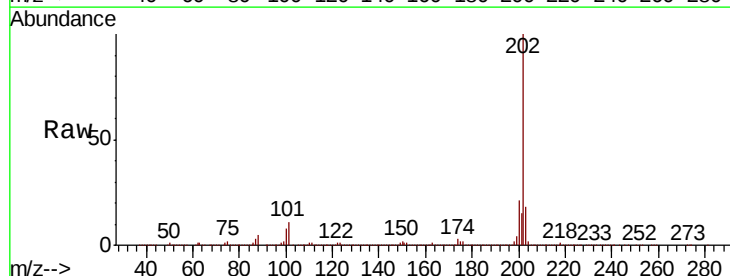


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

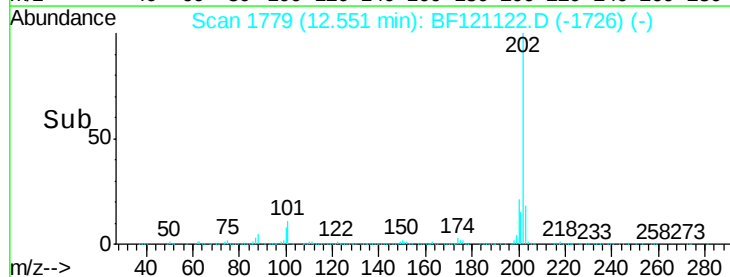
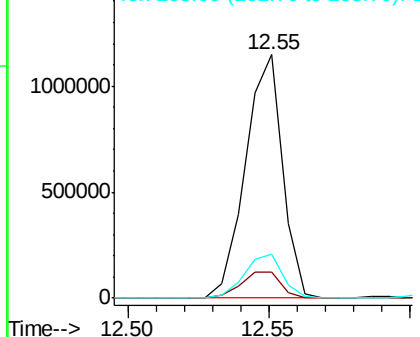


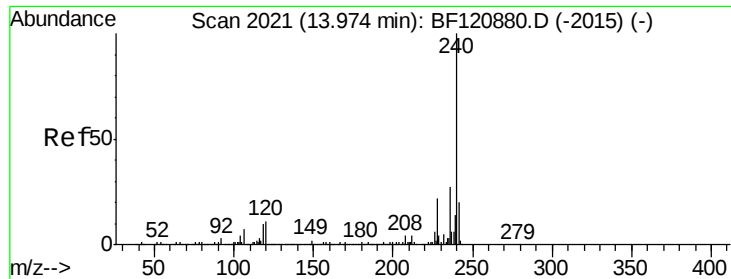
#75
 Fluoranthene
 Concen: 33.147 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.5
203	18.1	0.0	37.7



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





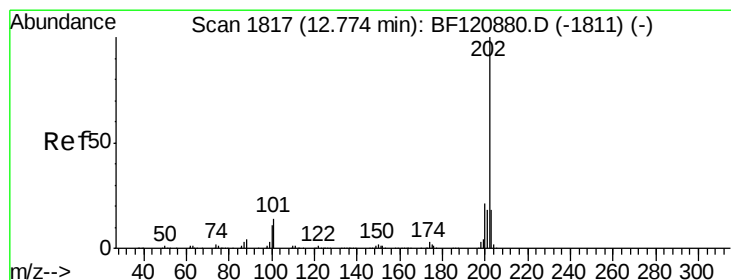
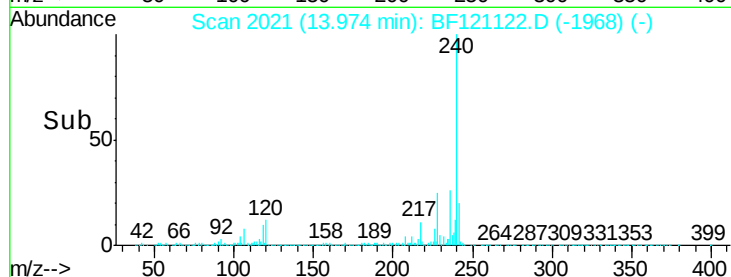
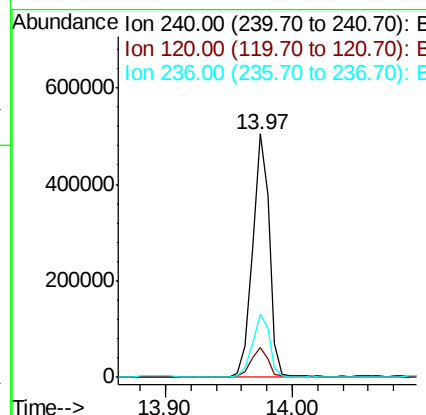
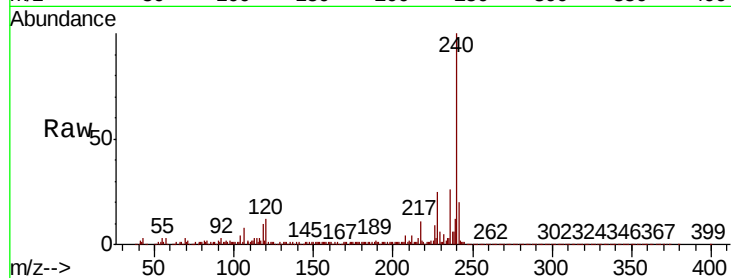
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Instrument :
BNA_F
ClientSampleId :
5

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.3	13.9
236	26.0	21.1	31.7

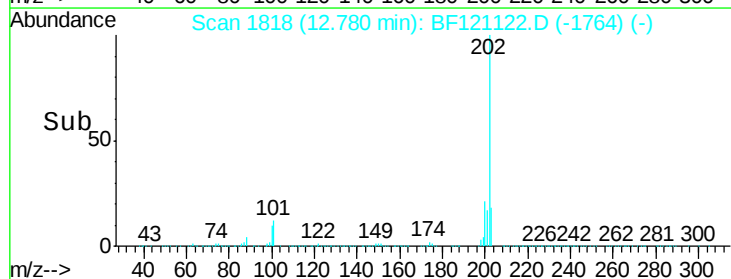
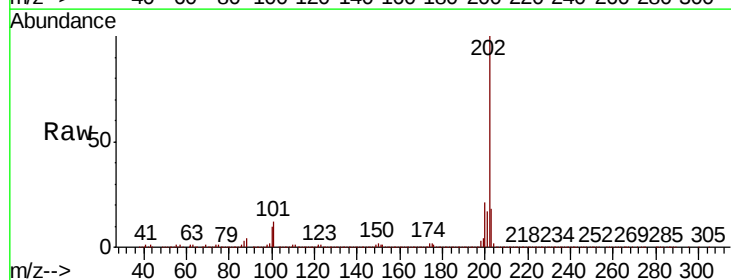
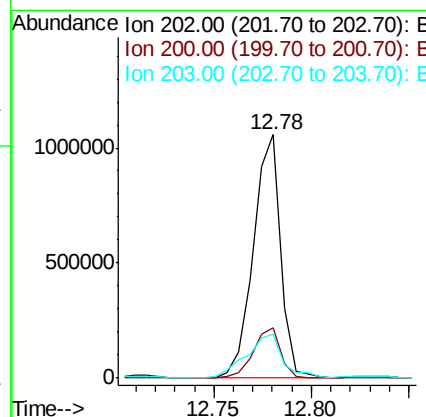
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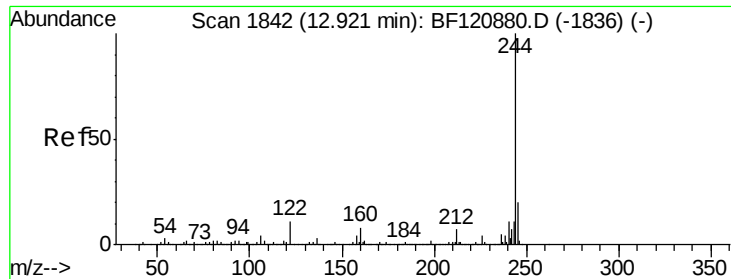
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#78
Pyrene
Concen: 31.503 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.02 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	17.9	14.6	21.8





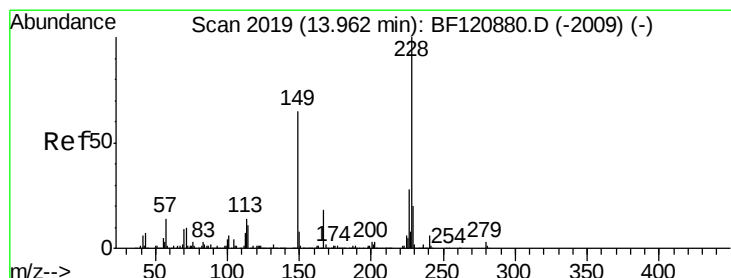
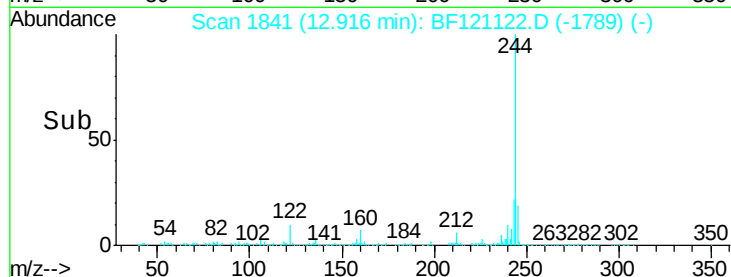
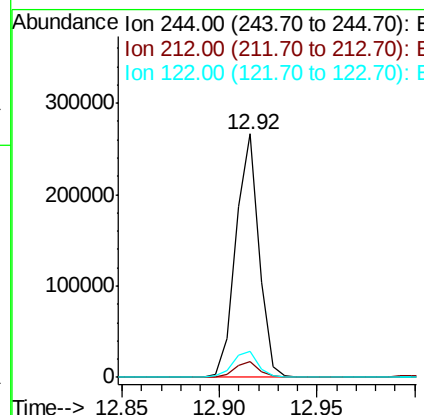
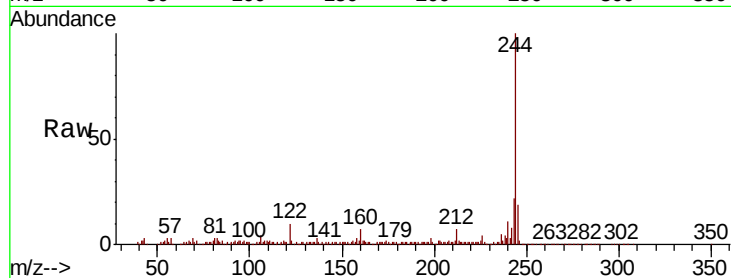
#79
 Terphenyl-d14
 Concen: 10.308 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Instrument :
 BNA_F
 ClientSampled :
 5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.4	8.3	12.5

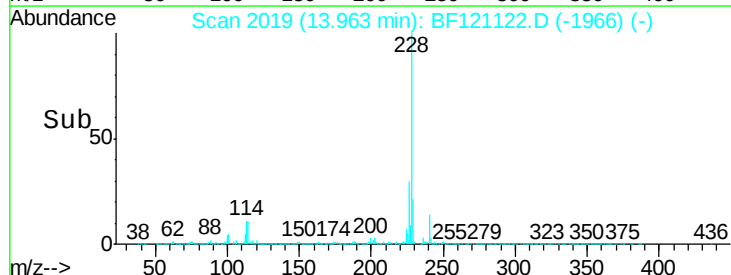
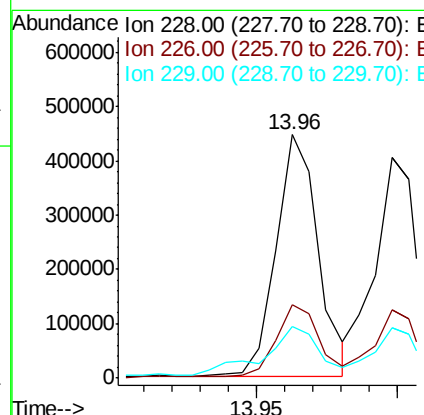
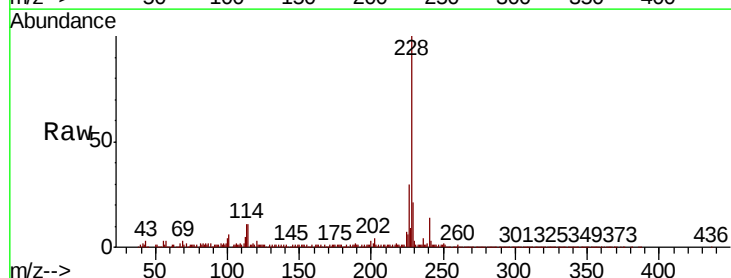
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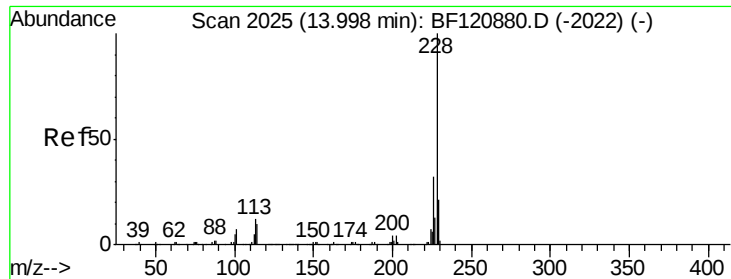
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#81
 Benzo(a)anthracene
 Concen: 16.591 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	34.0
229	21.4	16.1	24.1





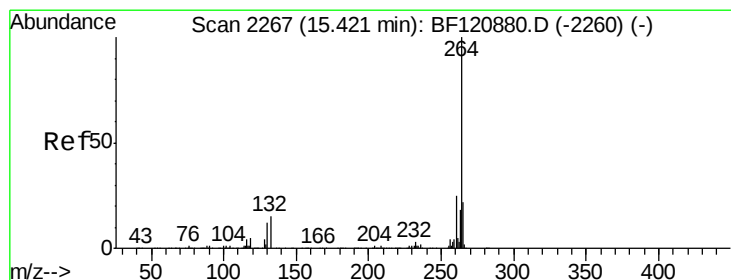
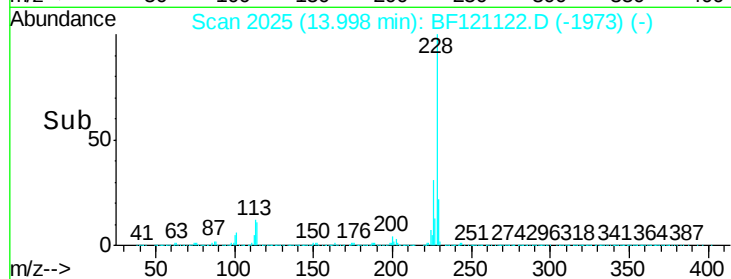
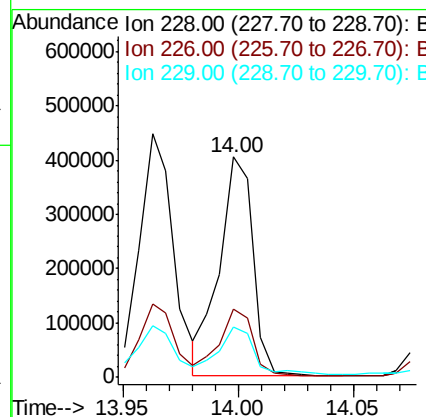
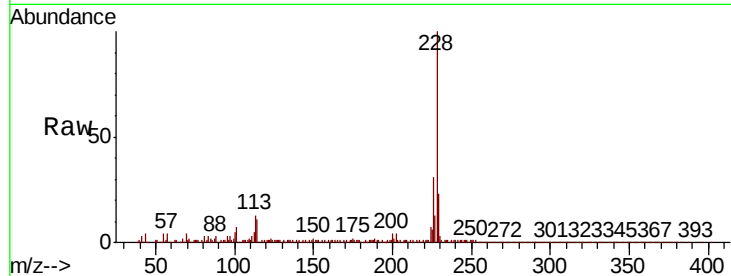
#83
Chrysene
Concen: 13.903 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	23.0	16.2	24.4

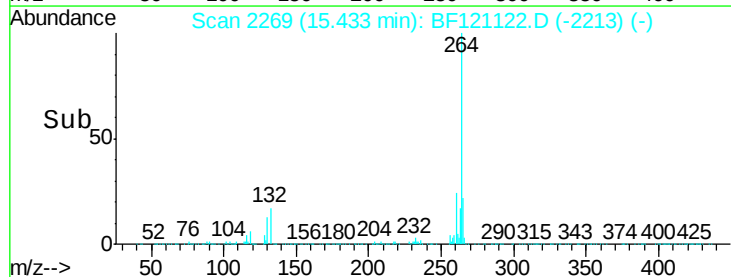
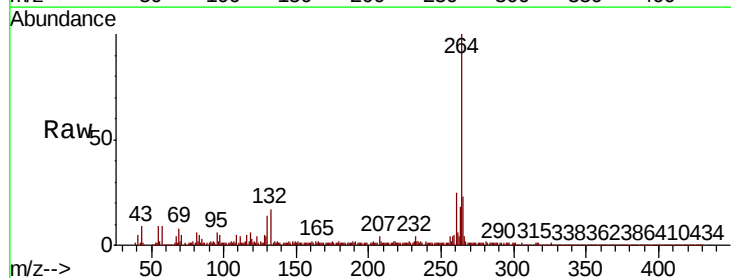
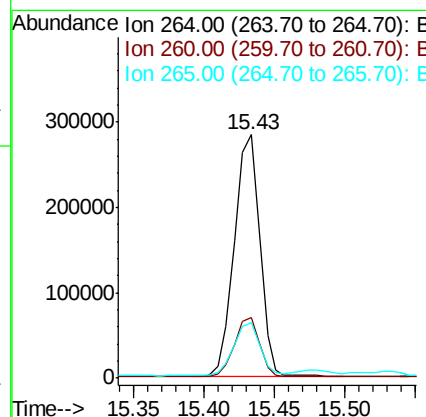
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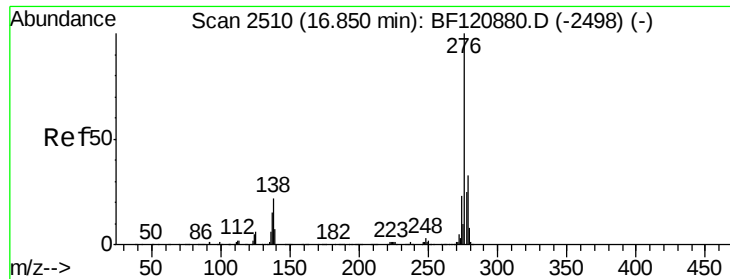
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.03 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.9	29.9
265	22.9	17.8	26.8





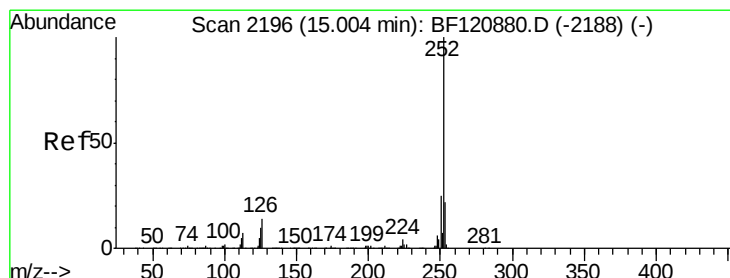
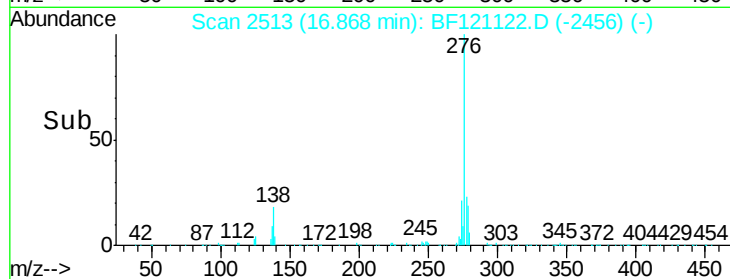
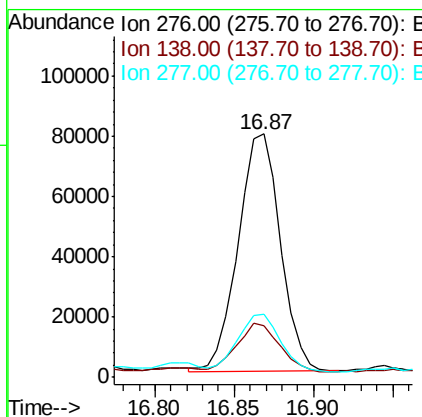
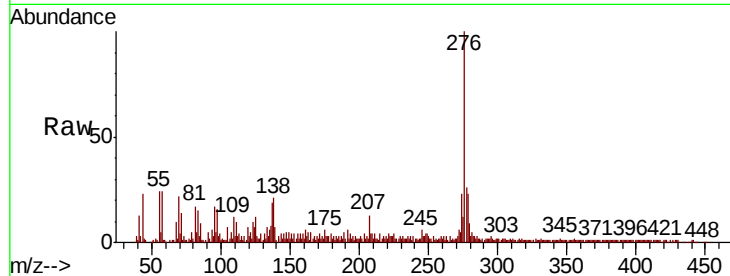
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.847 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. 0.04 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Instrument :
 BNA_F
 ClientSampleId :
 5

Tot Ion	Ratio	Resp	Lower	Upper
276	100	146188		
138	21.5	19.3	28.9	
277	24.8	20.1	30.1	

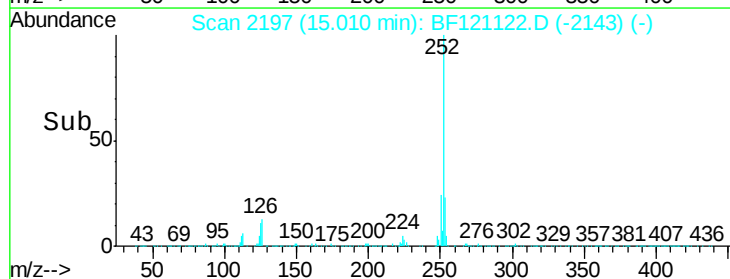
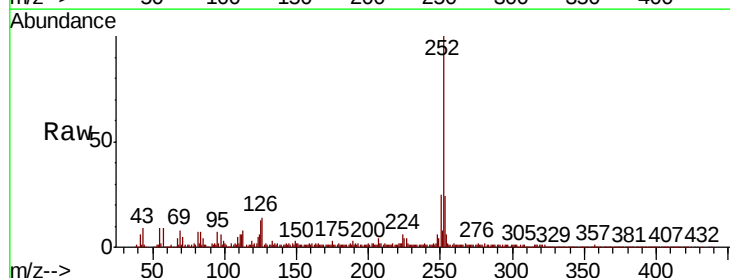
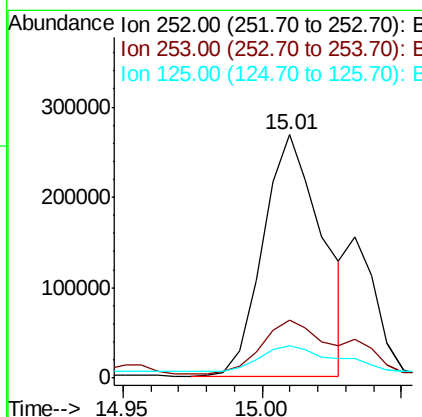
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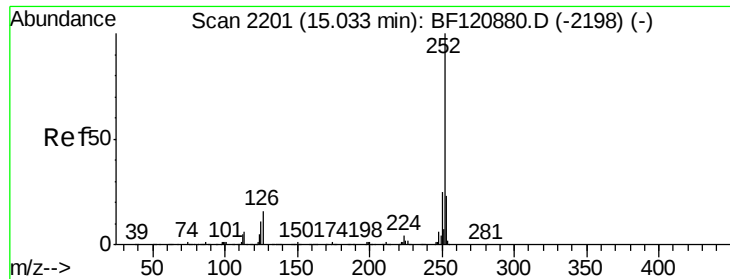
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 18.142 ng m
 RT: 15.01 min Scan# 2197
 Delta R.T. 0.02 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	394239		
253	23.9	17.9	26.9	
125	13.3	8.1	12.1	





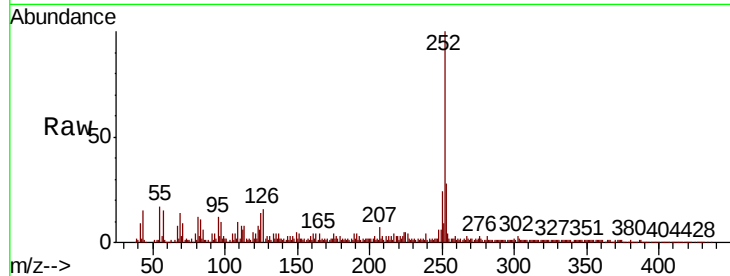
#89
Benzo(k)fluoranthene
Concen: 5.506 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Instrument :
BNA_F
ClientSampleId :
5

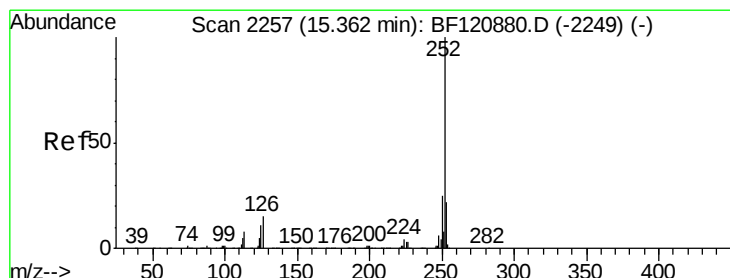
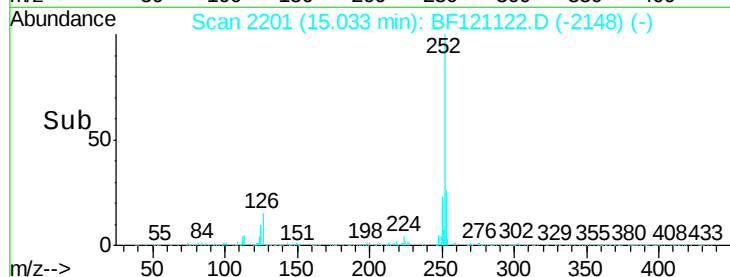
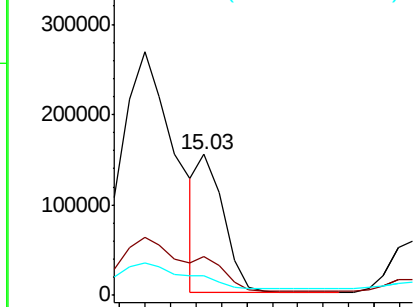
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.1	27.1#
125	13.9	8.0	12.0#

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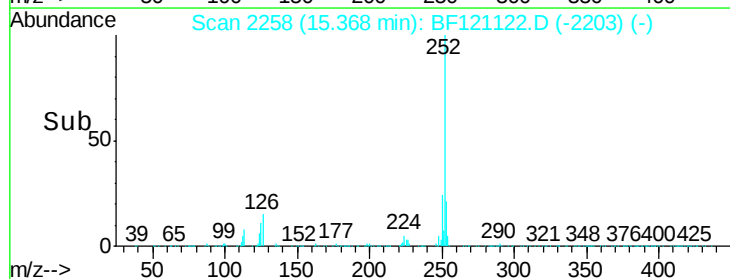
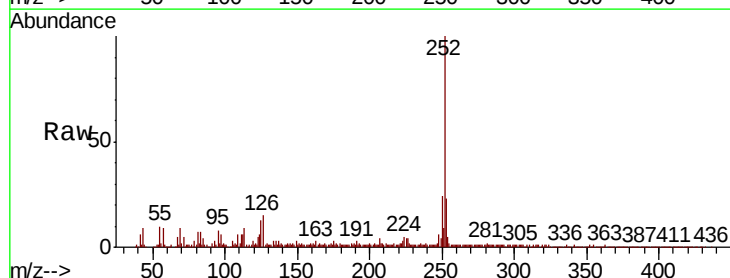
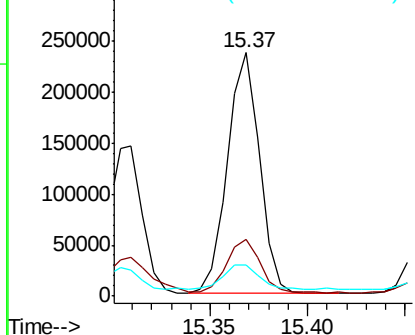
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

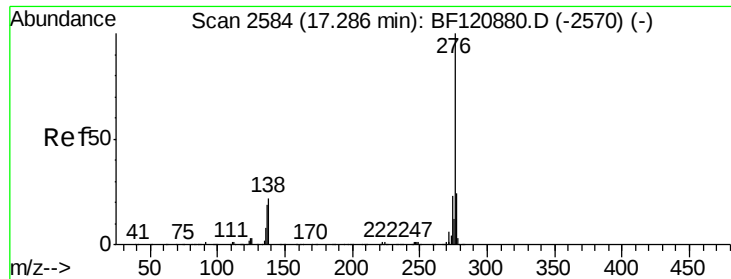


#90
Benzo(a)pyrene
Concen: 13.689 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121122.D
Acq: 30 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.9	9.5	14.3

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





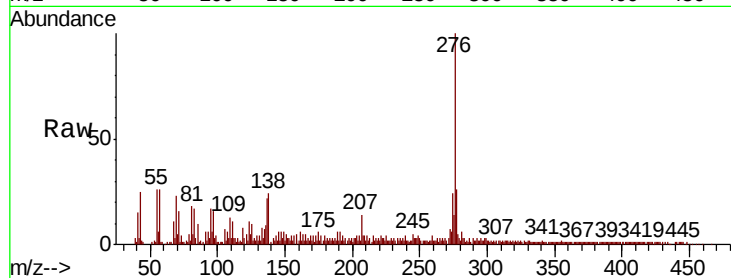
#92
 Benzo(a,h,i)perylene
 Concen: 6.970 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. 0.04 min
 Lab File: BF121122.D
 Acq: 30 Jul 2020 1:34

Instrument :
 BNA_F
 ClientSampleId :
 5

Tot Ion:	276	Resp:	140355
Ion Ratio		Lower	Upper
276	100		
277	26.2	19.4	29.0
138	23.8	17.2	25.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

