

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121113.D
 Acq On : 29 Jul 2020 21:01
 Operator : JU/CG
 Sample : L3436-19 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 19

Manual Integrations
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Quant Time: Jul 30 02:24:13 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	149352	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	537730	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	254639	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	431564	20.00	ng	0.00
76) Chrysene-d12	13.97	240	379954	20.00	ng	0.00
86) Perylene-d12	15.42	264	327349	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	165863	18.21	ng	0.00
7) Phenol-d6	6.44	99	200513	17.04	ng	0.00
23) Nitrobenzene-d5	7.36	82	113865	12.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	40665	14.59	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	236281	13.85	ng	0.00
79) Terphenyl-d14	12.91	244	218184	12.48	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.11	128	63237	2.293	ng	99
49) Acenaphthylene	9.70	152	56444	2.294	ng	98
50) Dimethylphthalate	9.56	163	42121	2.293	ng	97
52) Acenaphthene	9.87	154	37853	2.420	ng	96
58) Fluorene	10.39	166	46984	2.785	ng	99
71) Phenanthrene	11.35	178	348113	15.684	ng	99
72) Anthracene	11.40	178	128644	5.772	ng	98
75) Fluoranthene	12.54	202	616609	25.063	ng	98
78) Pyrene	12.77	202	627603	23.363	ng	98
81) Benzo(a)anthracene	13.96	228	293002	12.735	ng	94
83) Chrysene	13.99	228	289955	11.992	ng	96
84) Bis(2-ethylhexyl)phthalate	13.94	149	31396	2.126	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.85	276	99089	4.353	ng	97
88) Benzo(b)fluoranthene	15.00	252	281718m	14.237	ng	
89) Benzo(k)fluoranthene	15.02	252	87891m	4.870	ng	
90) Benzo(a)pyrene	15.36	252	197412	10.935	ng	96
92) Benzo(a,h,i)perylene	17.28	276	94986	5.180	ng	95

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

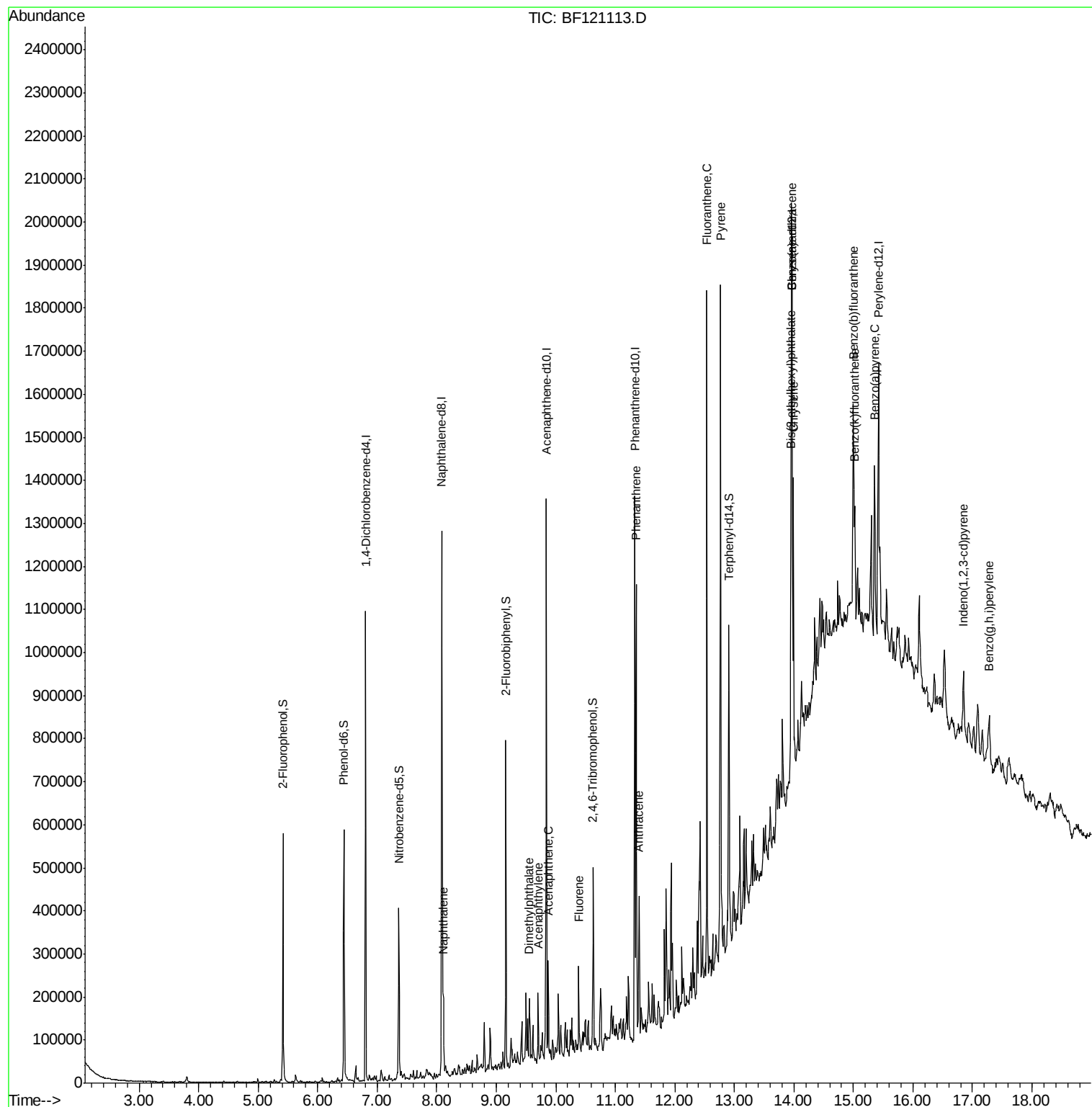
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121113.D
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ALS Vial : 13 Sample Multiplier: 1

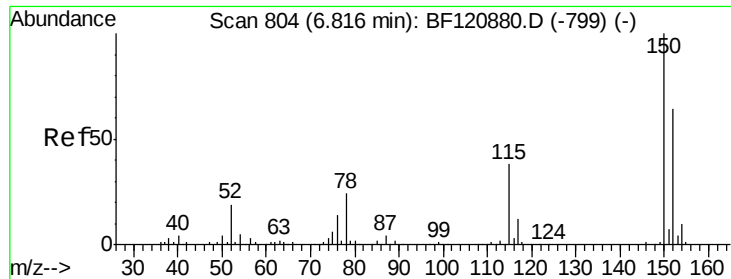
Instrument :
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ClientSampleId :
19

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Quant Time: Jul 30 02:24:13 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
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#1

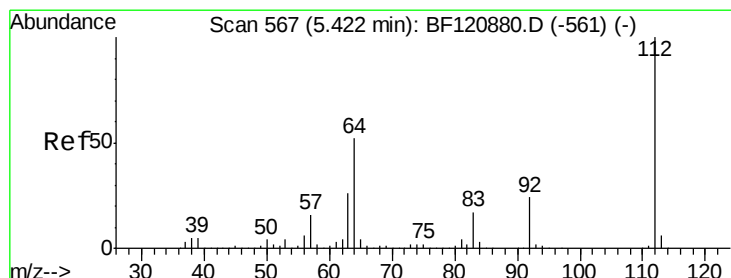
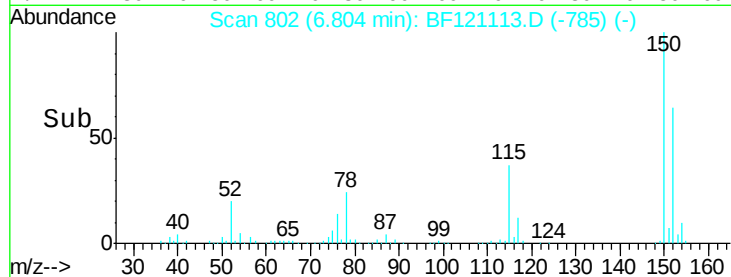
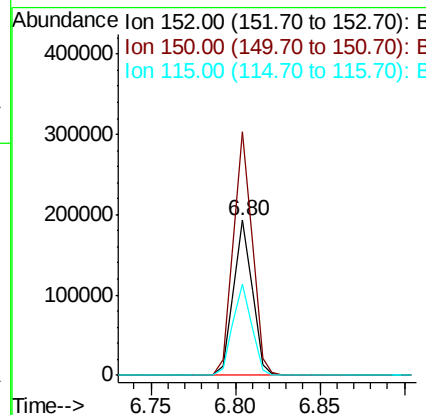
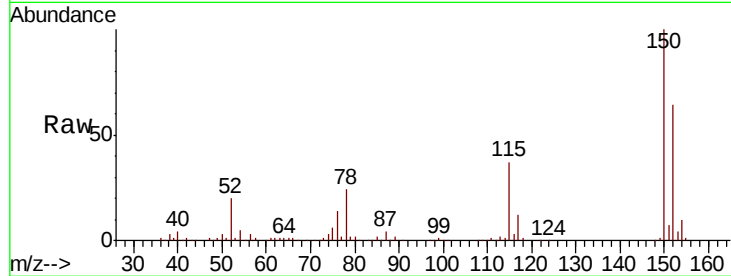
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Instrument :
BNA_F
ClientSampleId :
19

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.6	188.4
115	58.9	46.2	69.2

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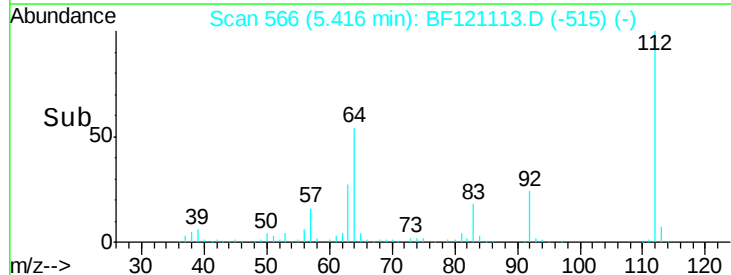
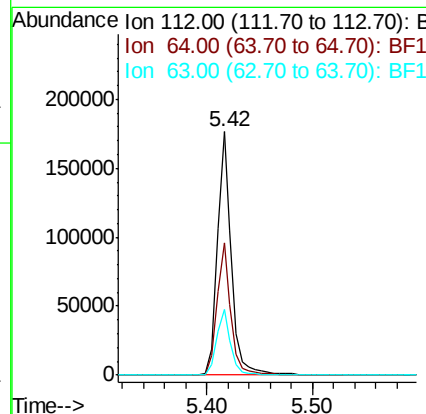
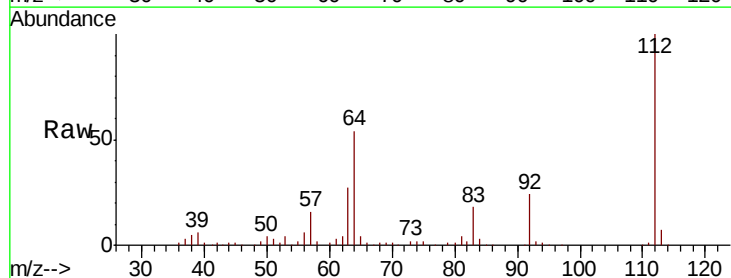
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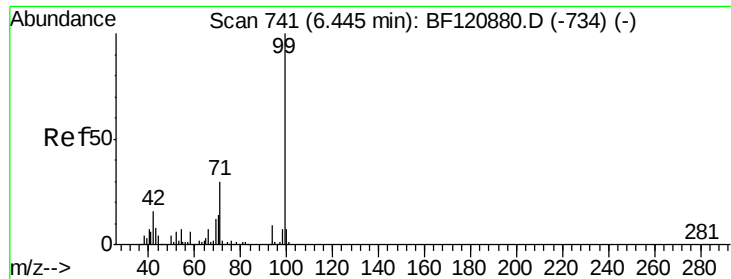


#5

2-Fluorophenol
Concen: 18.206 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	43.9	65.9
63	26.8	22.7	34.1





#7

Phenol-d6

Concen: 17.038 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121113.D

Acq: 29 Jul 2020 21:01

Instrument :

BNA_F

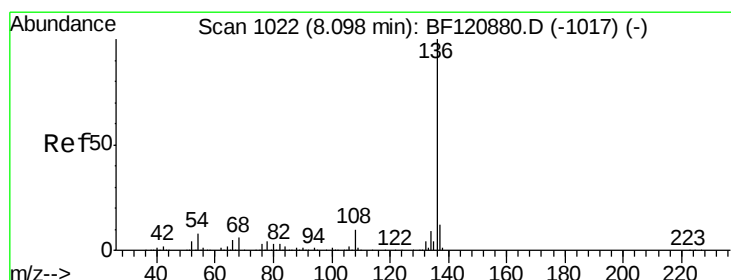
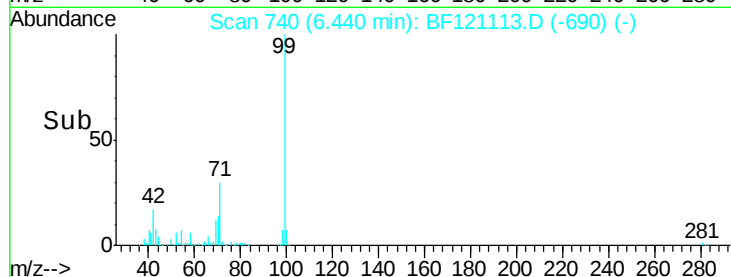
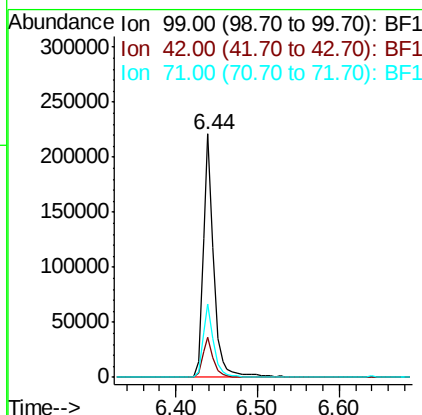
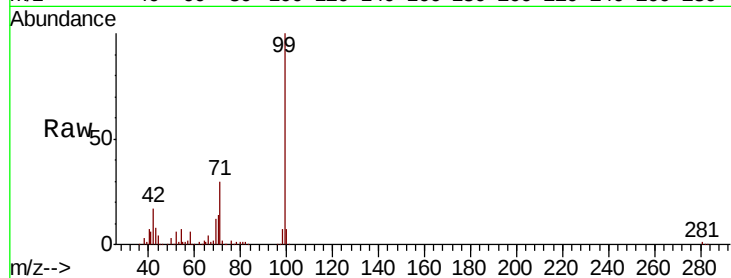
ClientSampleId :

19

Tot Ion:	99	Resp:	200513
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.5	20.3
71	30.4	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.000 ng

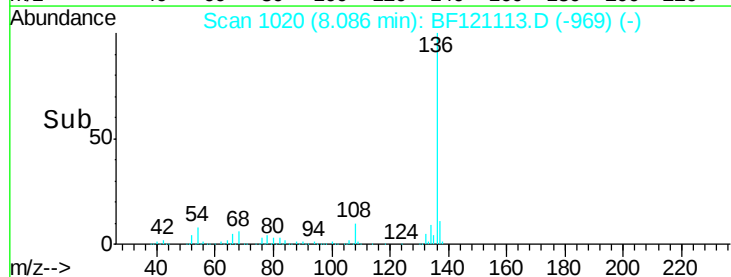
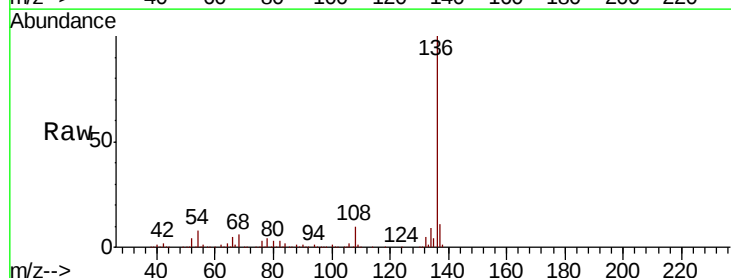
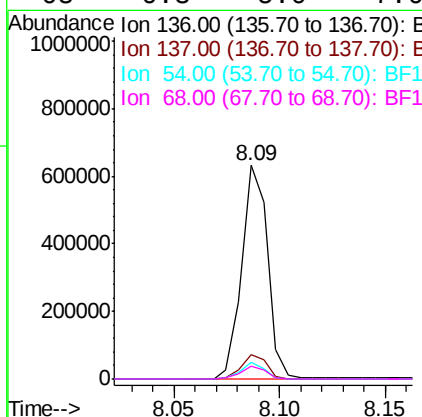
RT: 8.09 min Scan# 1020

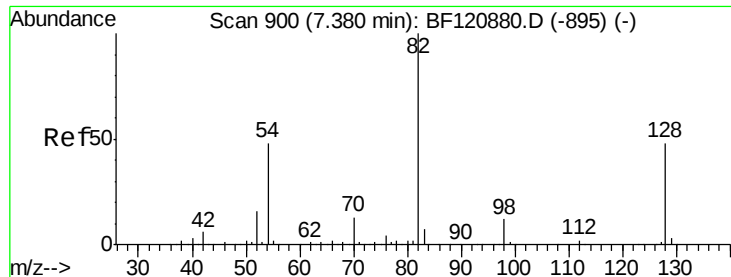
Delta R.T. -0.00 min

Lab File: BF121113.D

Acq: 29 Jul 2020 21:01

Tgt Ion:	136	Resp:	537730
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	8.0	6.1	9.1
68	6.3	5.0	7.6





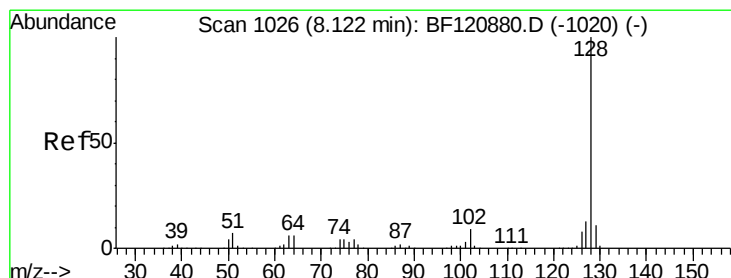
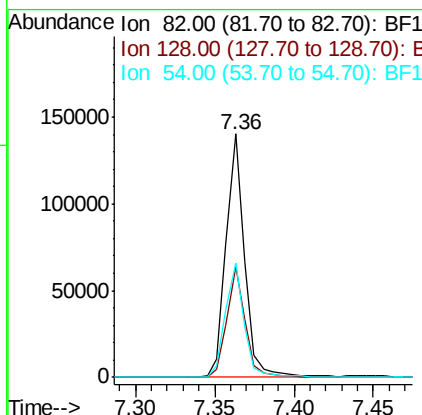
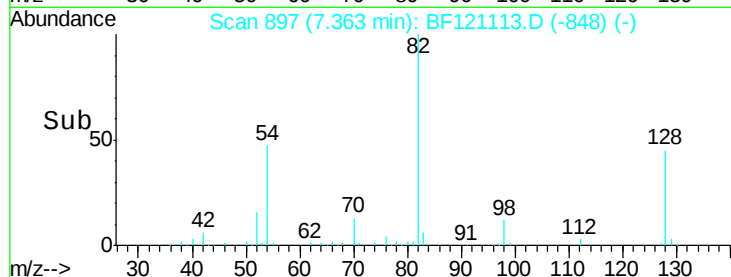
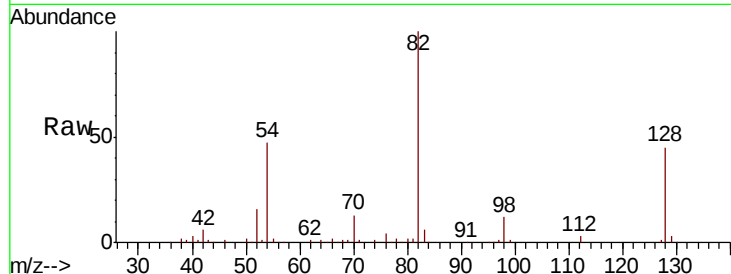
#23
Nitrobenzene-d5
Concen: 12.253 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Instrument :
BNA_F
ClientSampled :
19

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	39.2	58.8	
54	47.1	37.8	56.8	

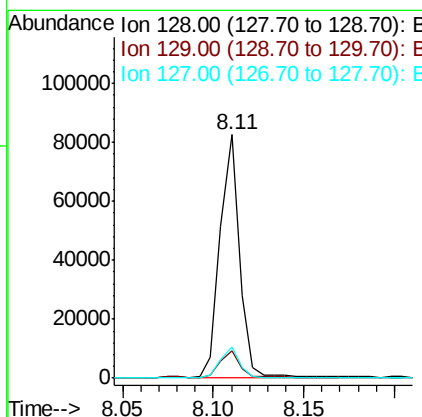
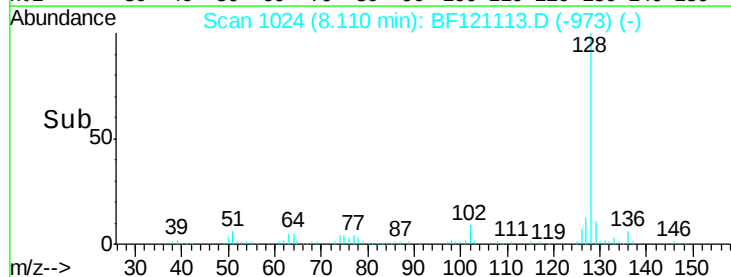
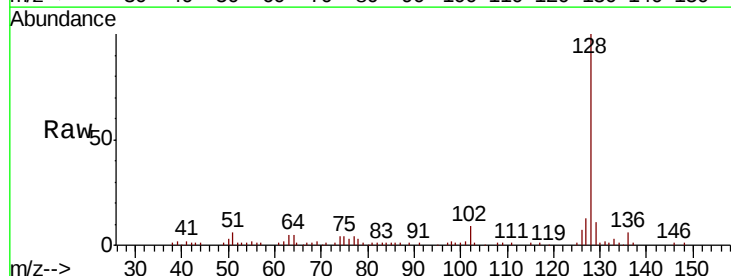
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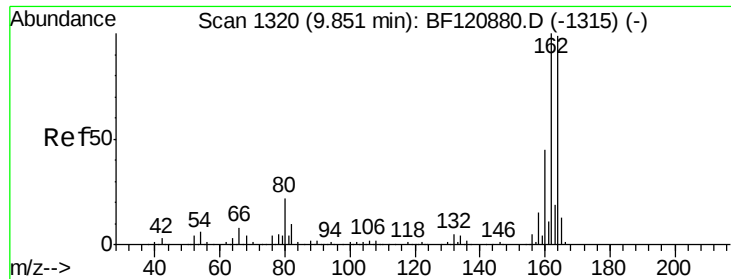
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#31
Naphthalene
Concen: 2.293 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	9.3	13.9	
127	13.0	10.8	16.2	





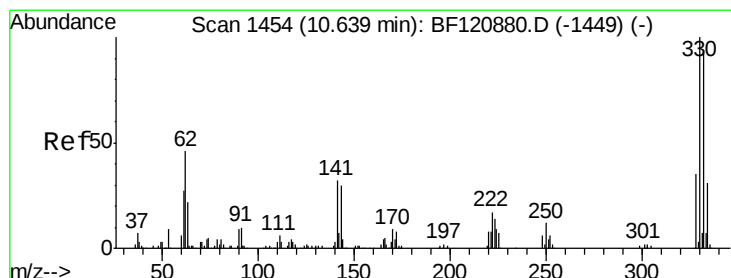
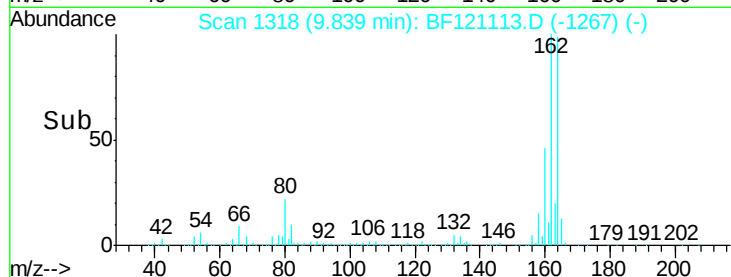
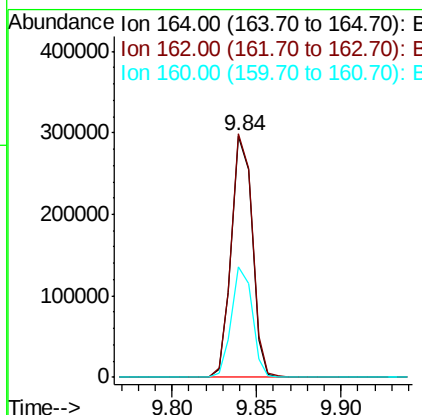
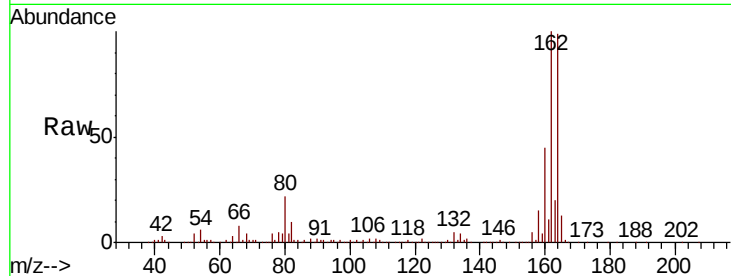
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Instrument :
BNA_F
ClientSampleId :
19

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	45.7	37.2	55.8

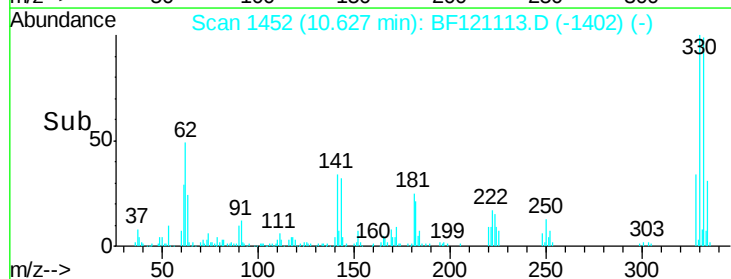
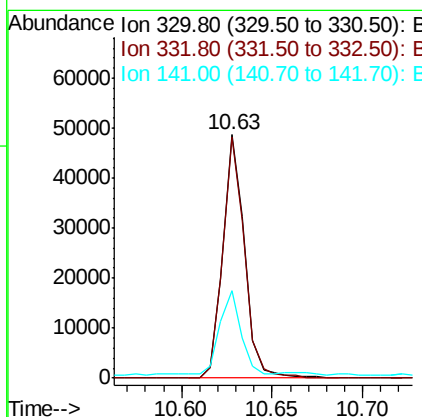
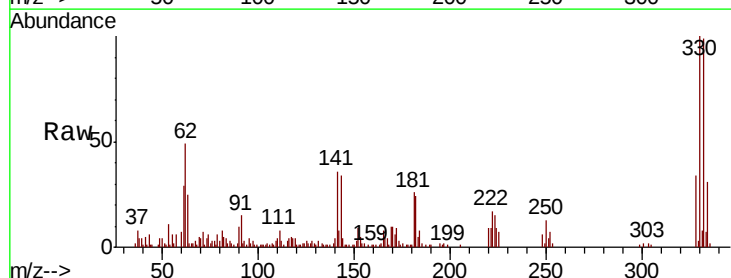
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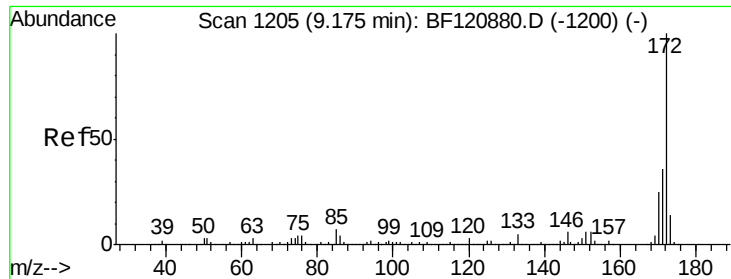
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#42
2,4,6-Tribromophenol
Concen: 14.590 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.1	114.1
141	34.7	24.1	36.1





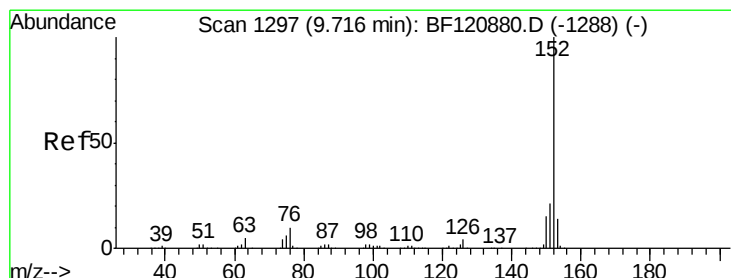
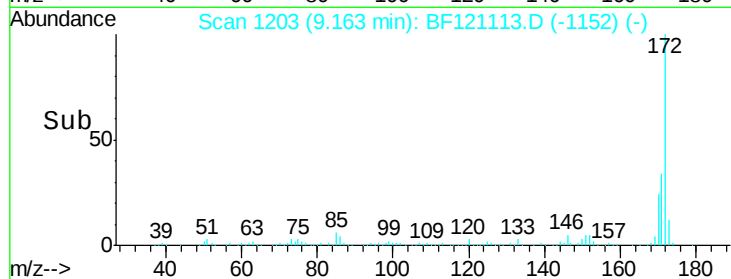
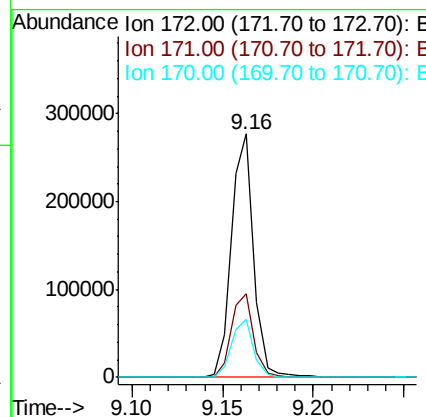
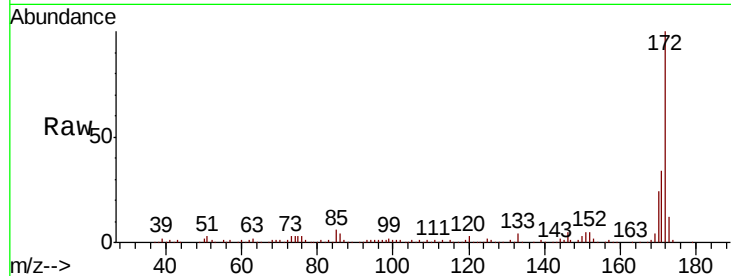
#45
2-Fluorobiphenyl
Concen: 13.854 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Instrument :
BNA_F
ClientSampleId :
19

Tot Ion	Ratio	Resp	Lower	Upper
172	100	236281		
171	34.3		29.0	43.4
170	23.6		19.6	29.4

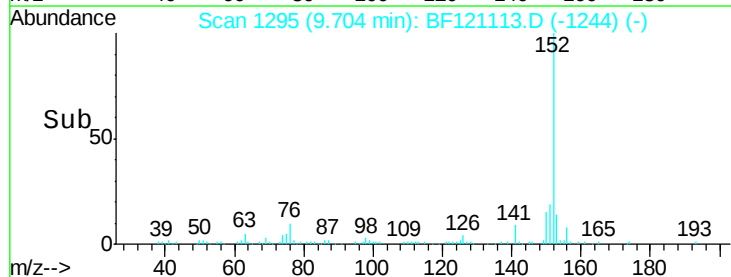
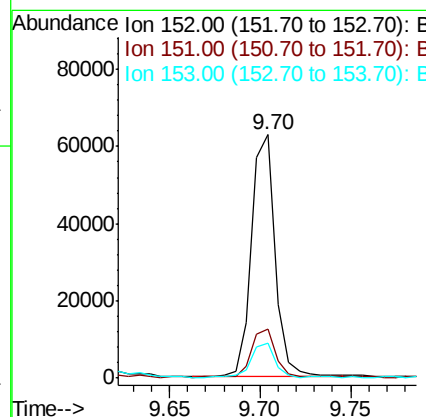
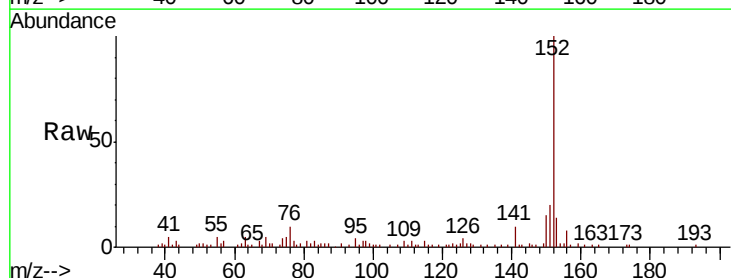
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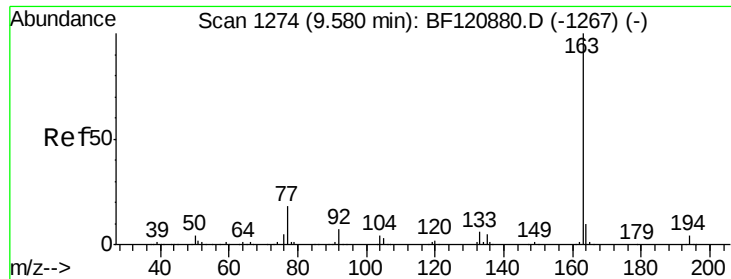
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#49
Acenaphthylene
Concen: 2.294 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	56444		
151	20.0		16.6	25.0
153	14.3		11.0	16.4





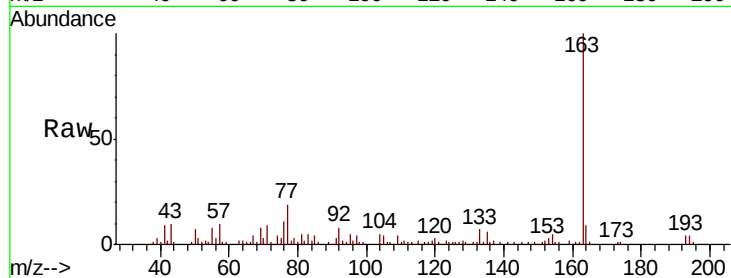
#50
Dimethylphthalate
Concen: 2.293 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Instrument :
BNA_F
ClientSampleId :
19

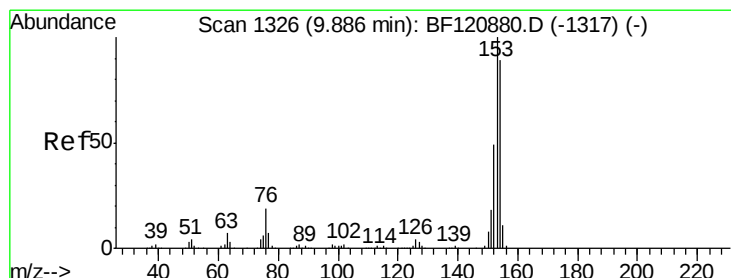
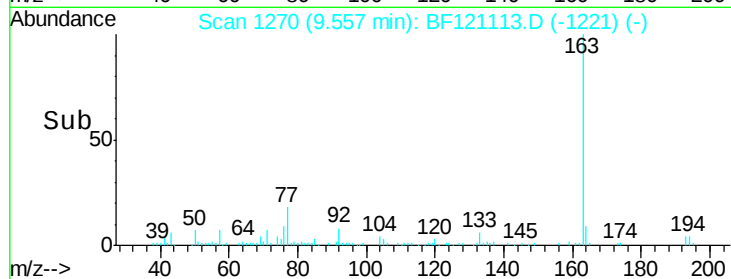
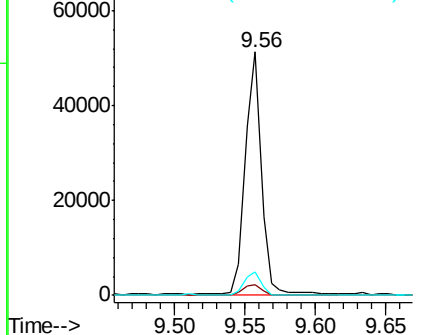
Tot Ion	Ratio	Resp	Lower	Upper
163	100	42121		
194	4.3		3.0	4.4
164	9.4		8.4	12.6

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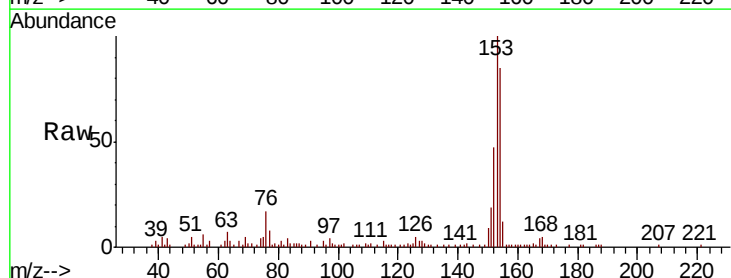


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

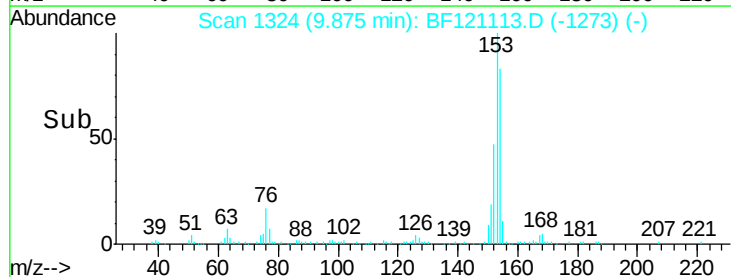
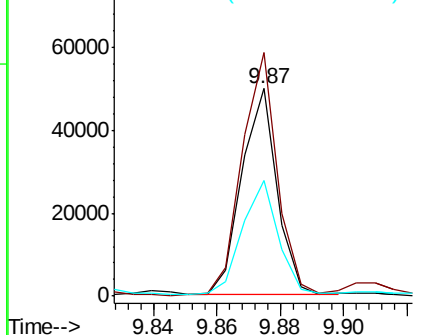


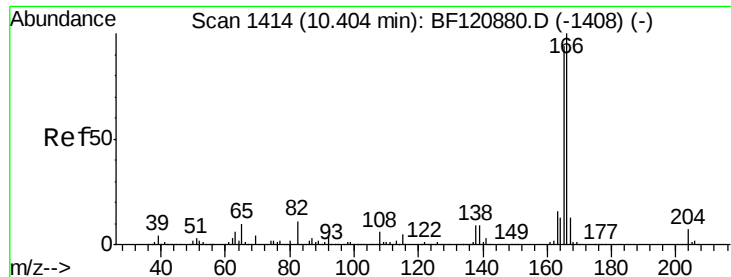
#52
Acenaphthene
Concen: 2.420 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	37853		
153	117.5		89.6	134.4
152	55.7		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





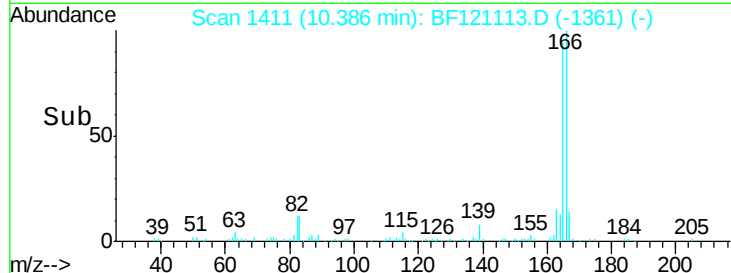
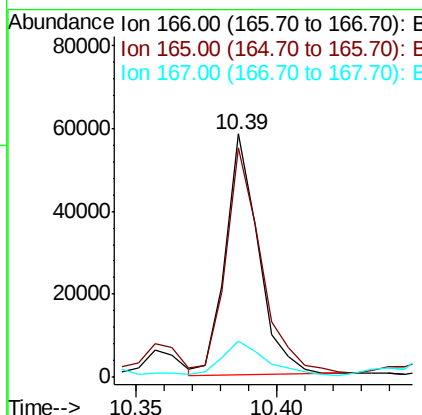
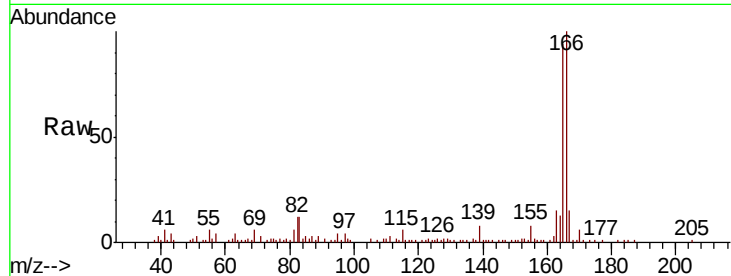
#58
 Fluorene
 Concen: 2.785 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121113.D
 Acq: 29 Jul 2020 21:01

Instrument :
 BNA_F
 ClientSampleId :
 19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		46984		
165	94.5	76.4	114.6		
167	15.0	10.7	16.1		

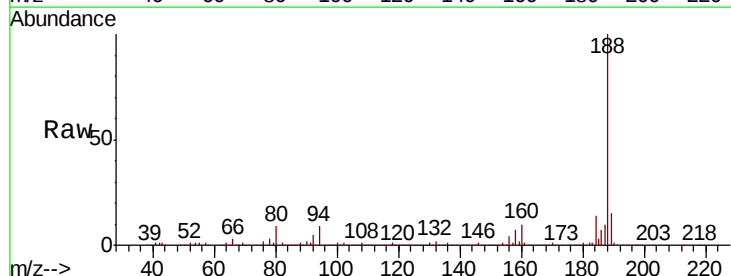
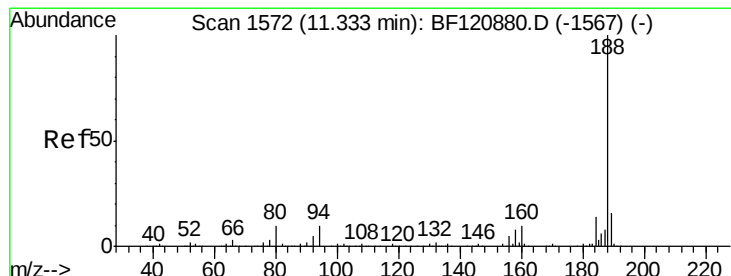
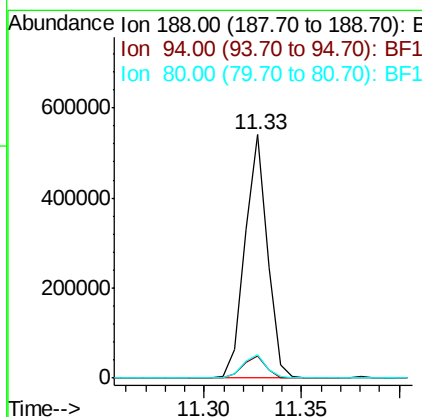
Manual Integrations
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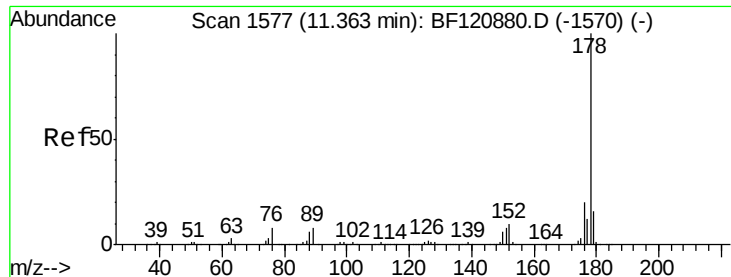
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121113.D
 Acq: 29 Jul 2020 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		431564		
94	9.1	8.0	12.0		
80	9.5	8.3	12.5		





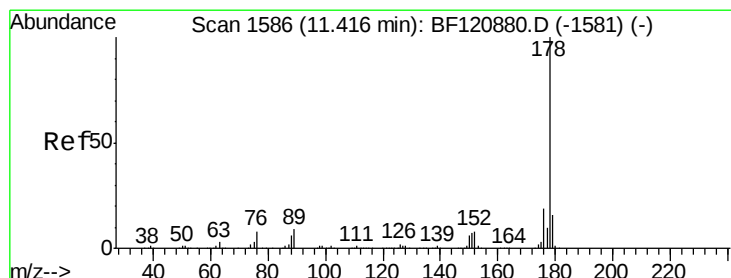
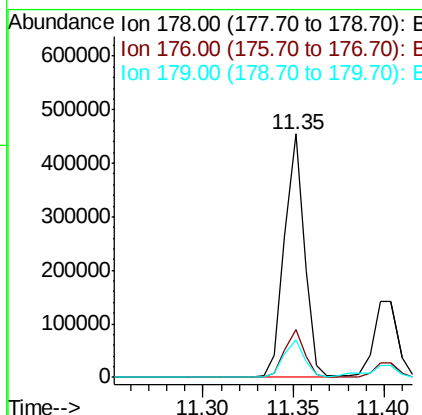
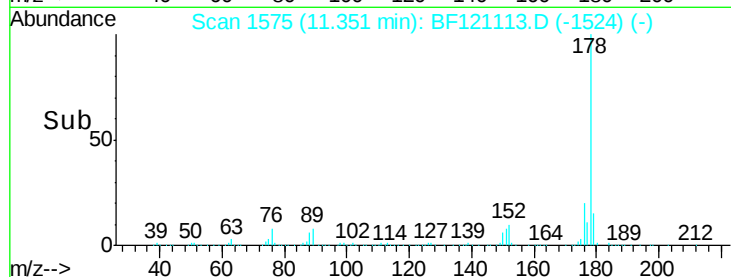
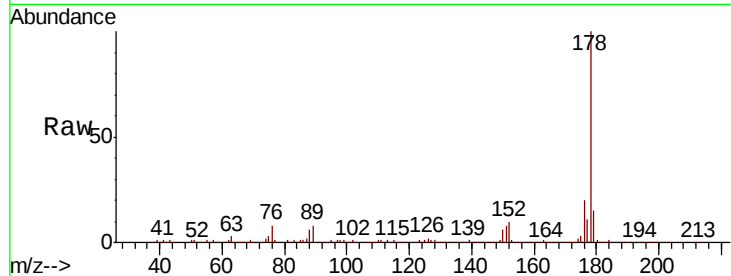
#71
Phenanthrene
Concen: 15.684 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Instrument :
BNA_F
ClientSampleId :
19

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.2
179	15.4	12.6	19.0

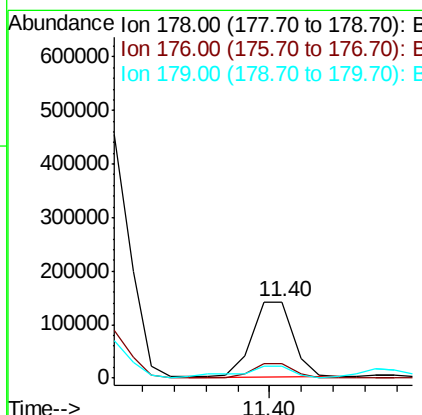
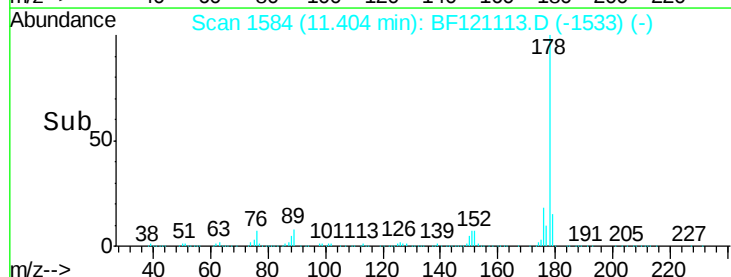
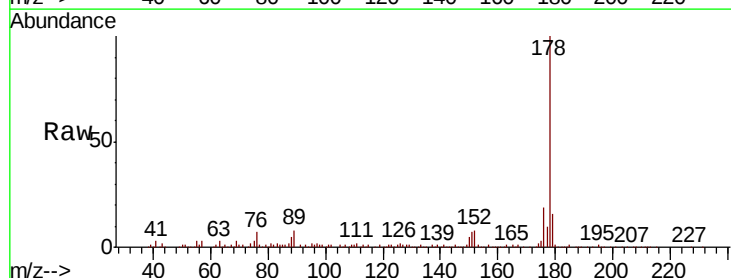
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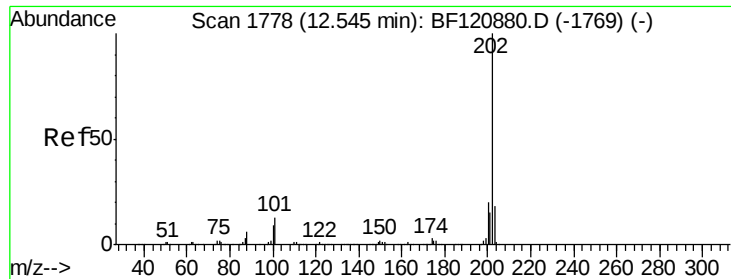
mohammad
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#72
Anthracene
Concen: 5.772 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.6	12.6	19.0





#75

Fluoranthene

Concen: 25.063 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF121113.D

Acq: 29 Jul 2020 21:01

Instrument :

BNA_F

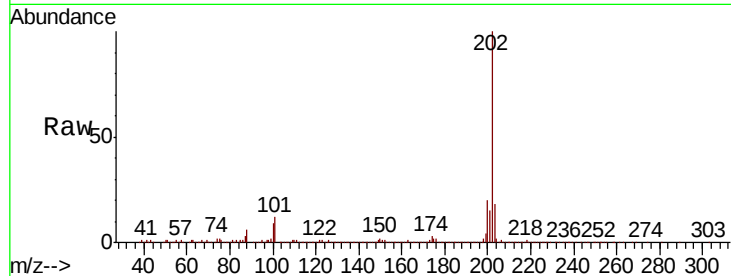
ClientSampled :

19

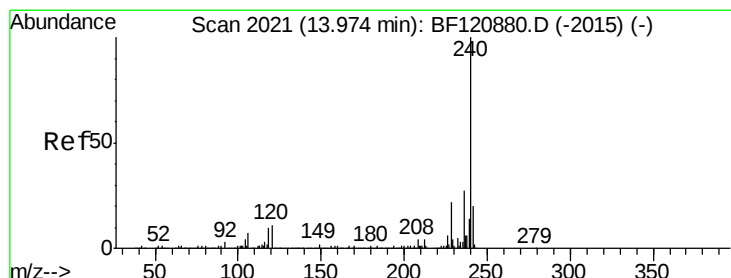
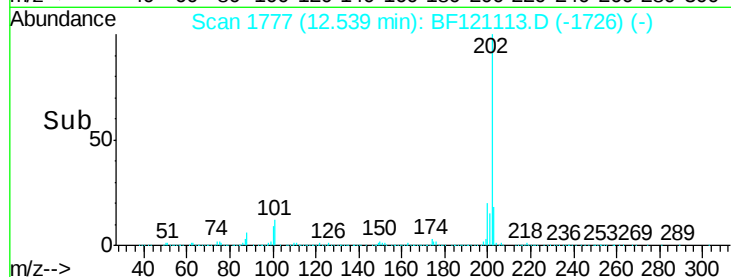
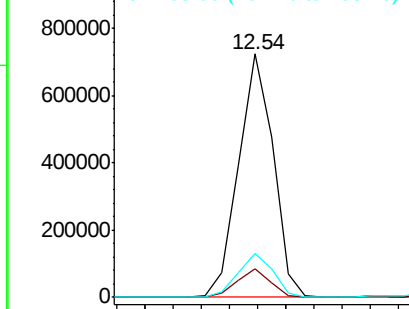
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		616609		
101	11.9	0.0	30.5		
203	17.9	0.0	37.7		

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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

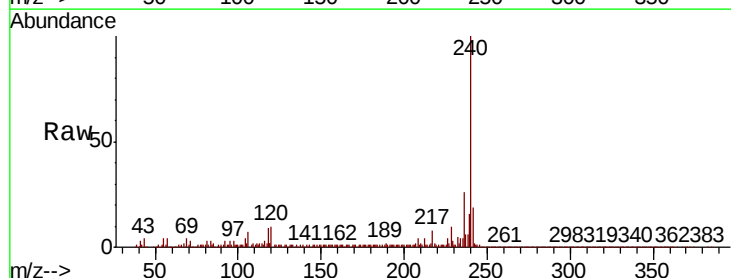
RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

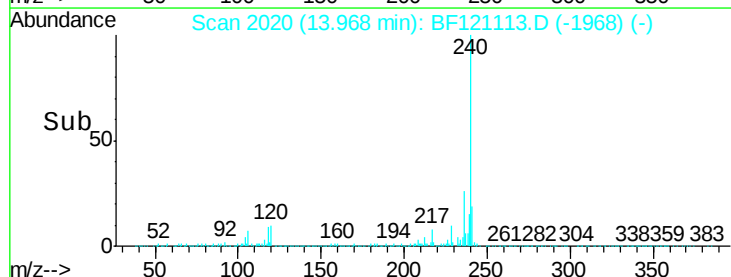
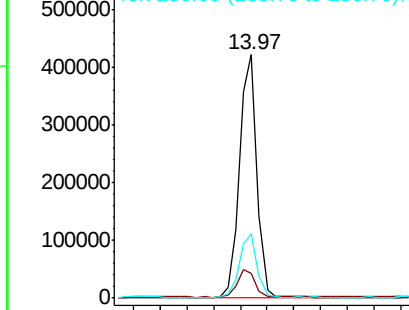
Lab File: BF121113.D

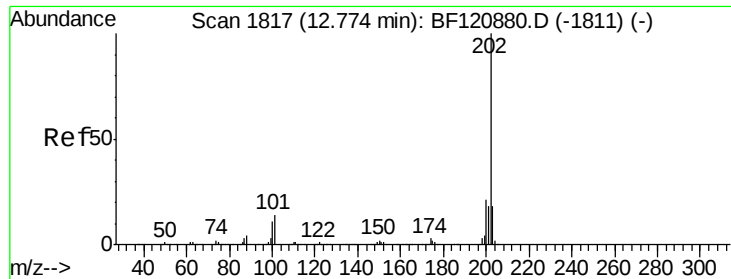
Acq: 29 Jul 2020 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		379954		
120	10.2	9.3	13.9		
236	26.5	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





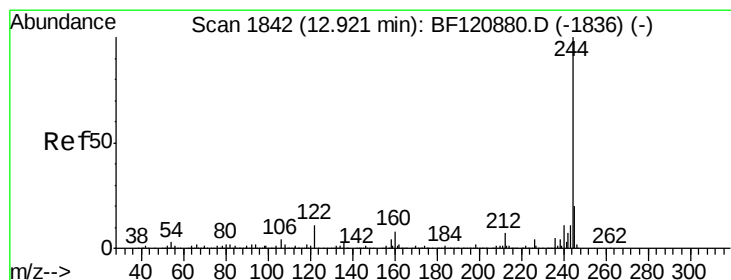
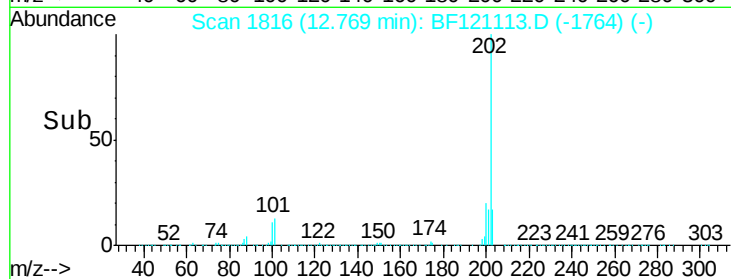
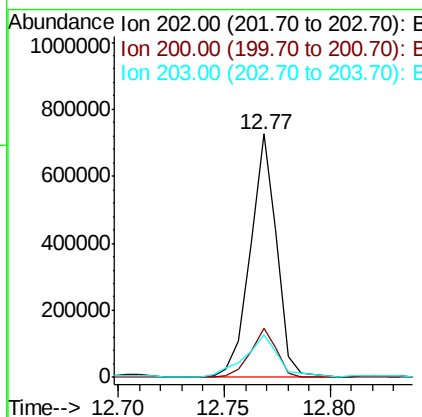
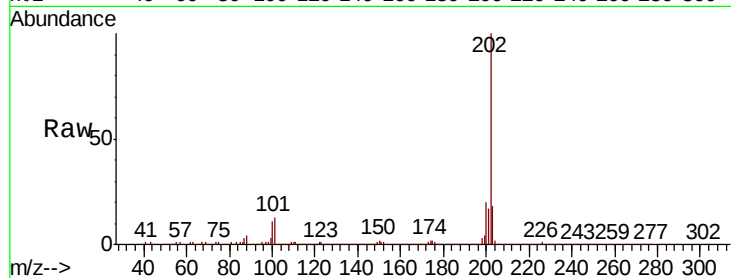
#78
Pvrene
Concen: 23.363 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Instrument :
BNA_F
ClientSampled :
19

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	17.6	14.6	21.8

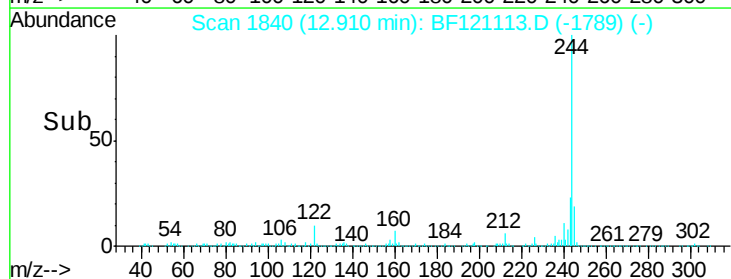
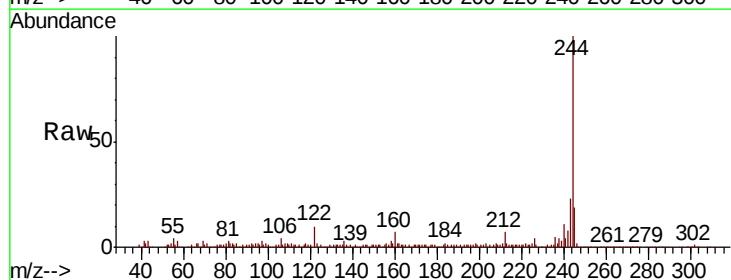
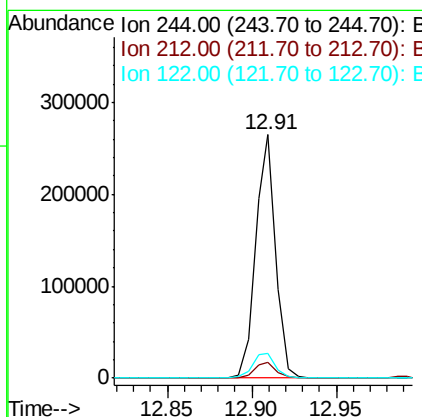
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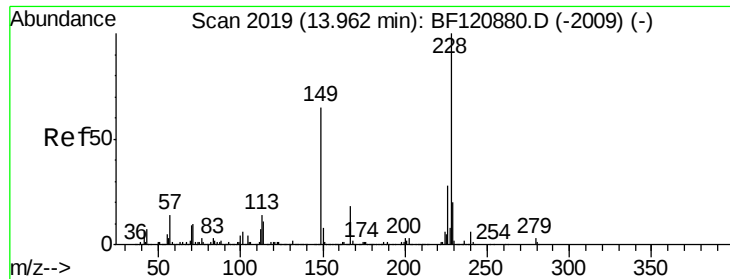
mohammad
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#79
Terphenyl-d14
Concen: 12.483 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

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





#81

Benzo(a)anthracene

Concen: 12.735 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF121113.D

Acq: 29 Jul 2020 21:01

Instrument :

BNA_F

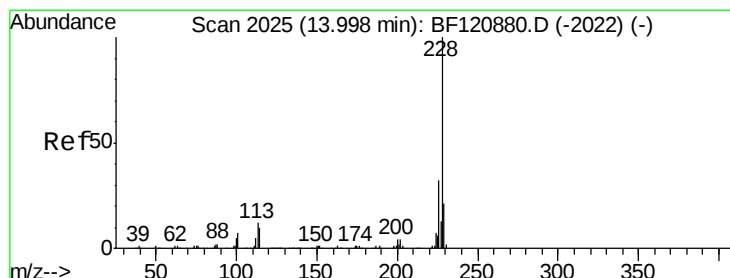
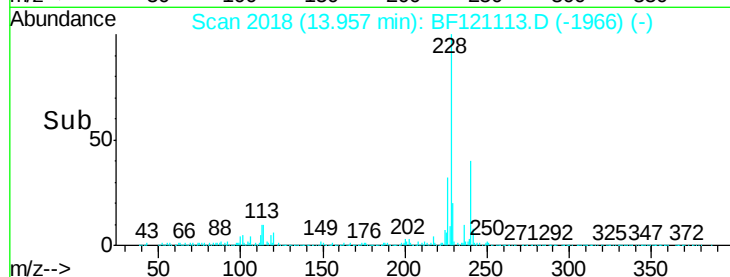
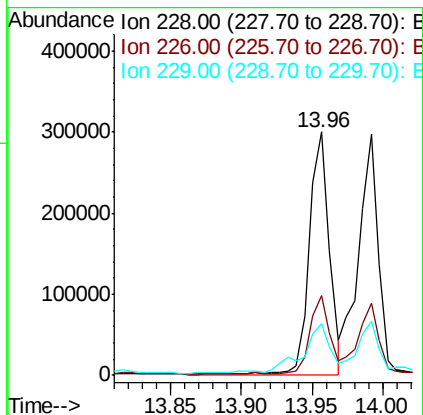
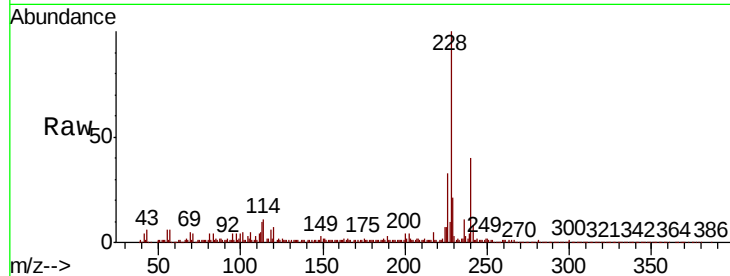
ClientSampleId :

19

Tot Ion:	228	Resp:	293002
Ion Ratio	Lower	Upper	
228	100		
226	32.6	22.6	34.0
229	21.3	16.1	24.1

Manual Integrations
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#83

Chrysene

Concen: 11.992 ng

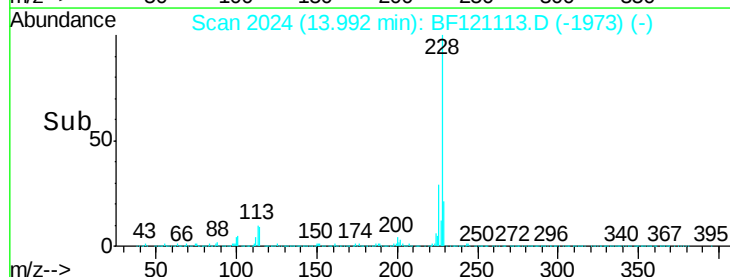
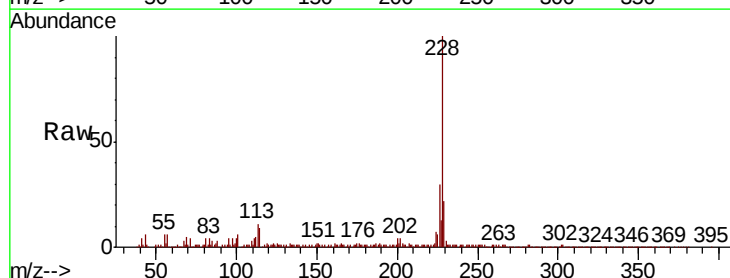
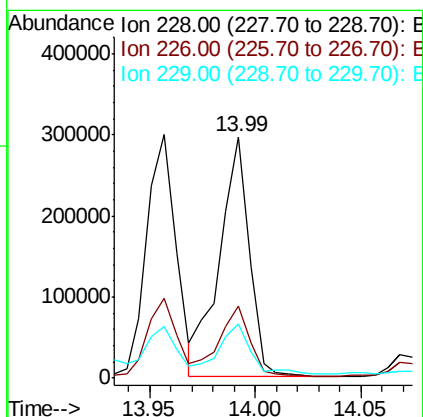
RT: 13.99 min Scan# 2024

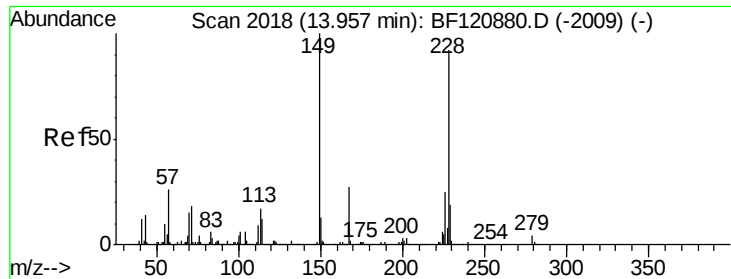
Delta R.T. -0.00 min

Lab File: BF121113.D

Acq: 29 Jul 2020 21:01

Tgt Ion:	228	Resp:	289955
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.4	38.0
229	22.3	16.2	24.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.126 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF121113.D

Acq: 29 Jul 2020 21:01

Instrument :

BNA_F

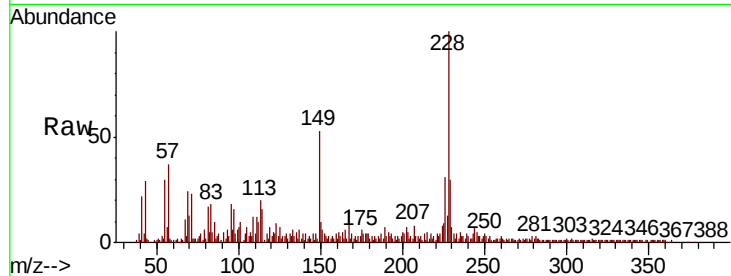
ClientSampleId :

19

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.9	21.8	32.6
279	6.1	2.9	4.3

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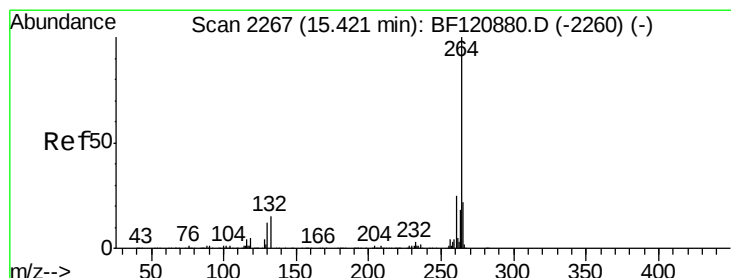
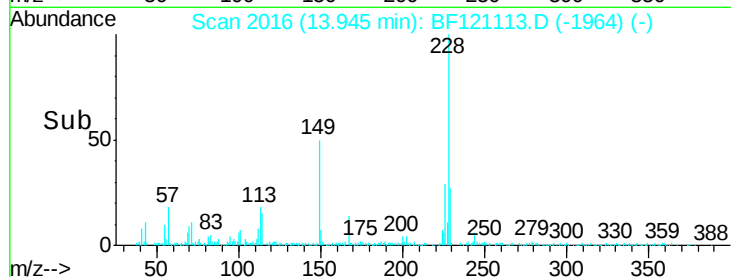
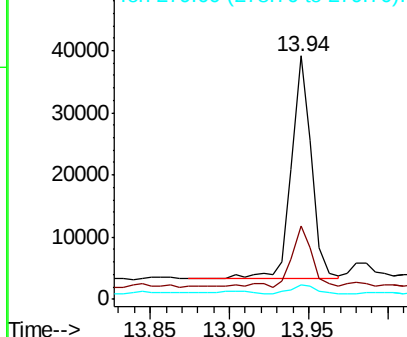


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.02 min

Lab File: BF121113.D

Acq: 29 Jul 2020 21:01

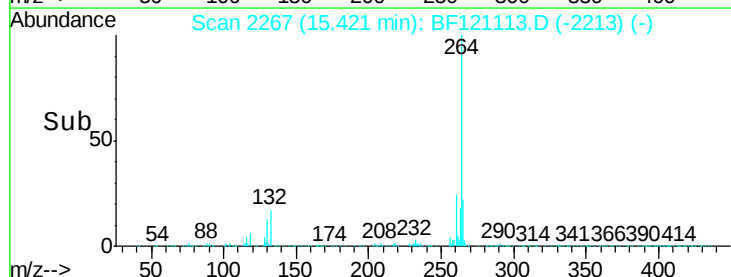
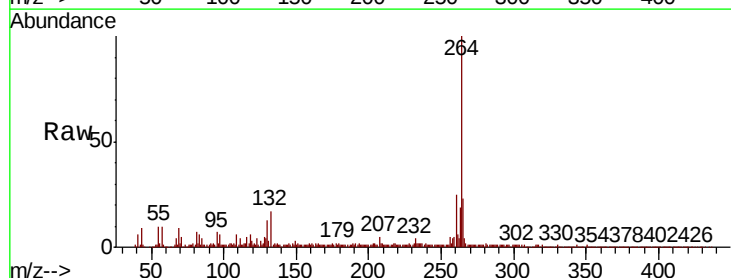
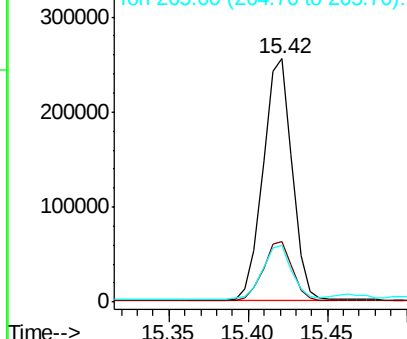
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.9	29.9
265	23.3	17.8	26.8

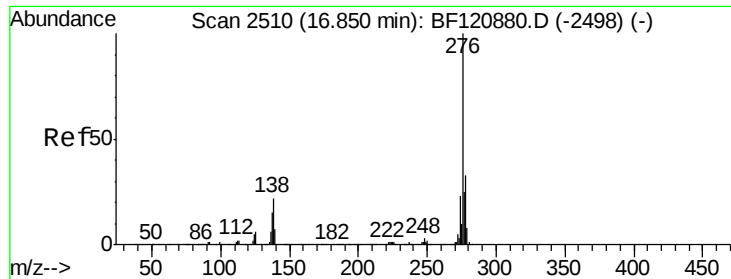
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





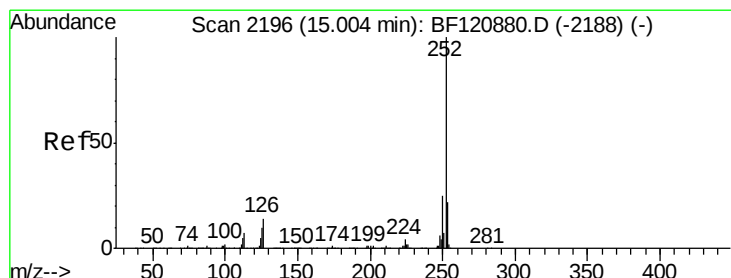
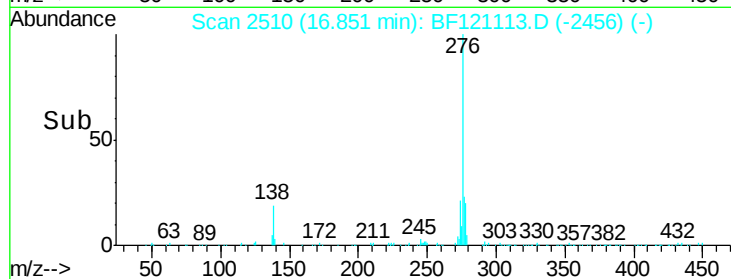
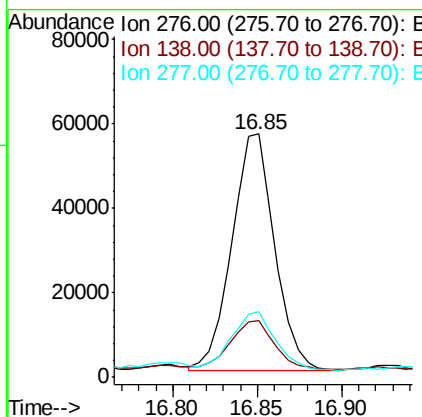
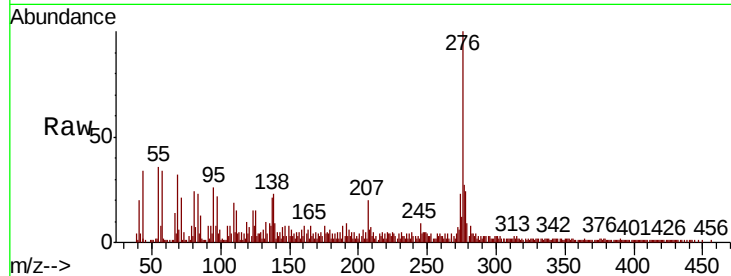
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.353 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. 0.02 min
 Lab File: BF121113.D
 Acq: 29 Jul 2020 21:01

Instrument :
 BNA_F
 ClientSampleId :
 19

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.3	28.9
277	25.3	20.1	30.1

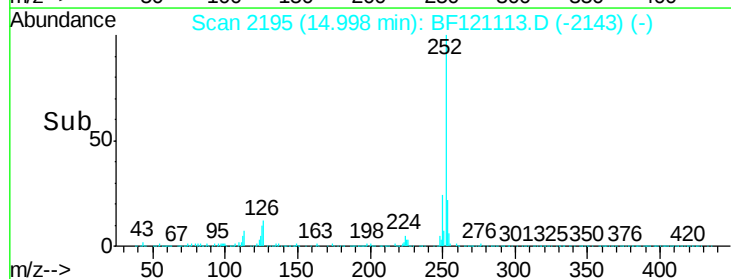
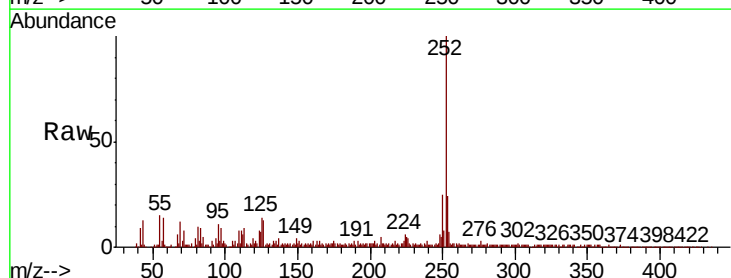
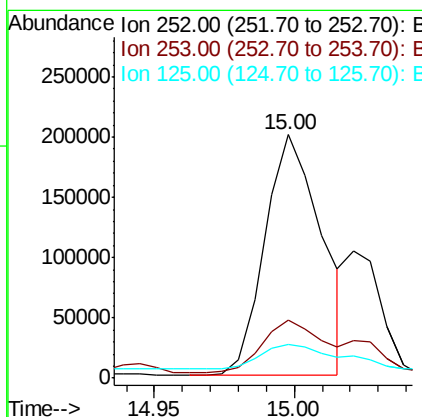
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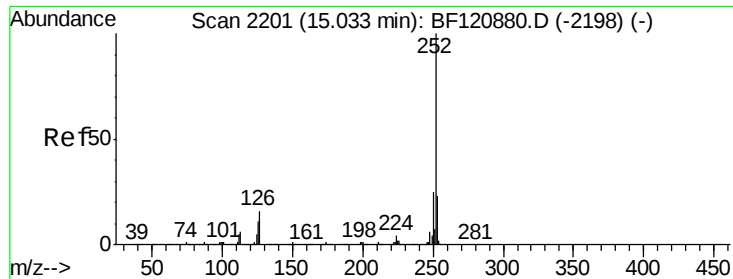
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 14.237 ng m
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF121113.D
 Acq: 29 Jul 2020 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.8	8.1	12.1





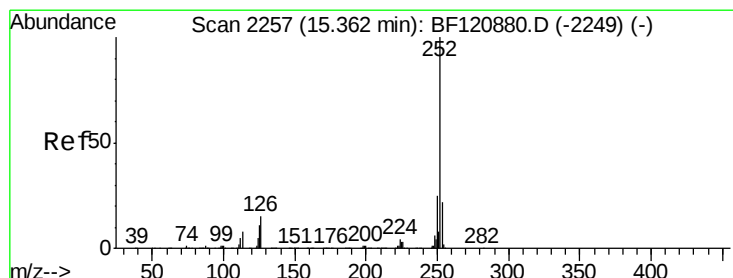
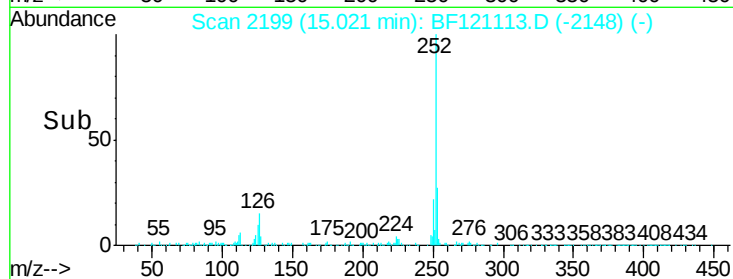
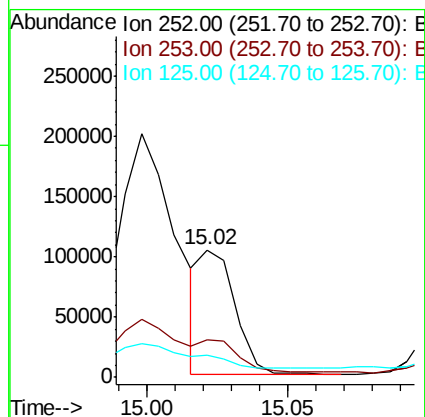
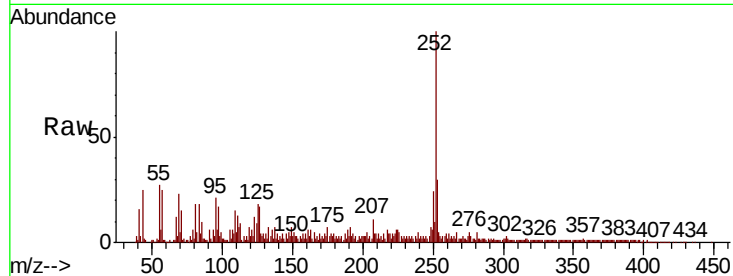
#89
Benzo(k)fluoranthene
Concen: 4.870 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Instrument :
BNA_F
ClientSampleId :
19

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.1	27.1#
125	17.5	8.0	12.0#

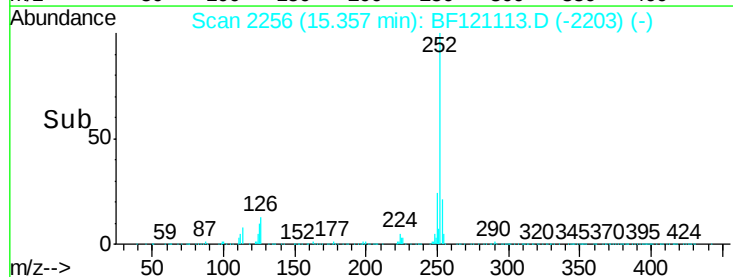
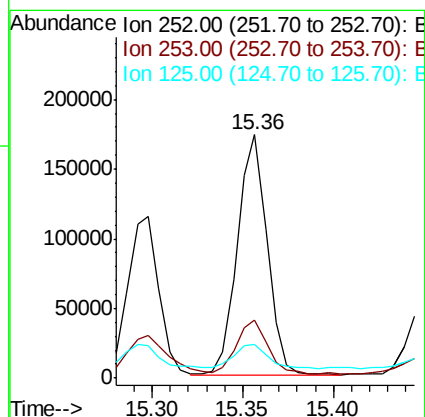
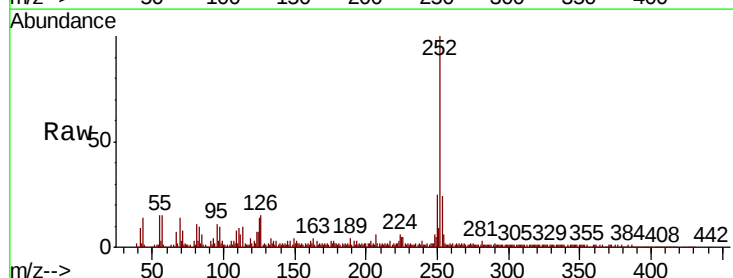
Manual Integrations
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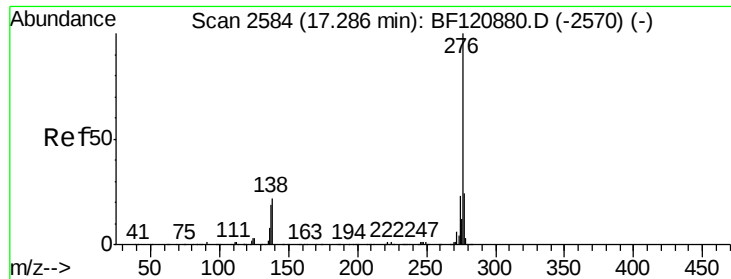
mohammad
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#90
Benzo(a)pyrene
Concen: 10.935 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF121113.D
Acq: 29 Jul 2020 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	14.1	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 5.180 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. 0.02 min
 Lab File: BF121113.D
 Acq: 29 Jul 2020 21:01

Instrument :
 BNA_F
 ClientSampleId :
 19

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.4	29.0
138	24.0	17.2	25.8

Manual Integrations
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