

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121108.D
 Acq On : 29 Jul 2020 18:26
 Operator : JU/CG
 Sample : L3436-12 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12

Manual Integrations
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Quant Time: Jul 29 19:07:08 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	148461	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	549110	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	273295	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	463677	20.00	ng	0.00
76) Chrysene-d12	13.96	240	363233	20.00	ng	0.00
86) Perylene-d12	15.41	264	407497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	134512	14.85	ng	0.00
7) Phenol-d6	6.44	99	166306	14.22	ng	0.00
23) Nitrobenzene-d5	7.36	82	97971	10.32	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	40065	13.39	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	212365	11.60	ng	0.00
79) Terphenyl-d14	12.90	244	173386	10.38	ng	0.00
Target Compounds						
49) Acenaphthylene	9.70	152	54303	2.057	ng	97
50) Dimethylphthalate	9.55	163	210634	10.683	ng	99
58) Fluorene	10.38	166	53304	2.944	ng	97
71) Phenanthrene	11.35	178	417234	17.496	ng	99
72) Anthracene	11.40	178	137825	5.756	ng	98
75) Fluoranthene	12.53	202	554626	20.983	ng	99
78) Pyrene	12.76	202	561582	21.868	ng	99
81) Benzo(a)anthracene	13.94	228	283510	12.889	ng	96
83) Chrysene	13.98	228	260401	11.265	ng	96
84) Bis(2-ethylhexyl)phthalate	13.94	149	107525	7.617	ng	100
87) Indeno(1,2,3-cd)pyrene	16.83	276	124100	4.379	ng	94
88) Benzo(b)fluoranthene	14.99	252	301582m	12.244	ng	
89) Benzo(k)fluoranthene	15.02	252	108574m	4.833	ng	
90) Benzo(a)pyrene	15.34	252	233978	10.411	ng	100
92) Benzo(a,h,i)perylene	17.26	276	111376	4.880	ng	97

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

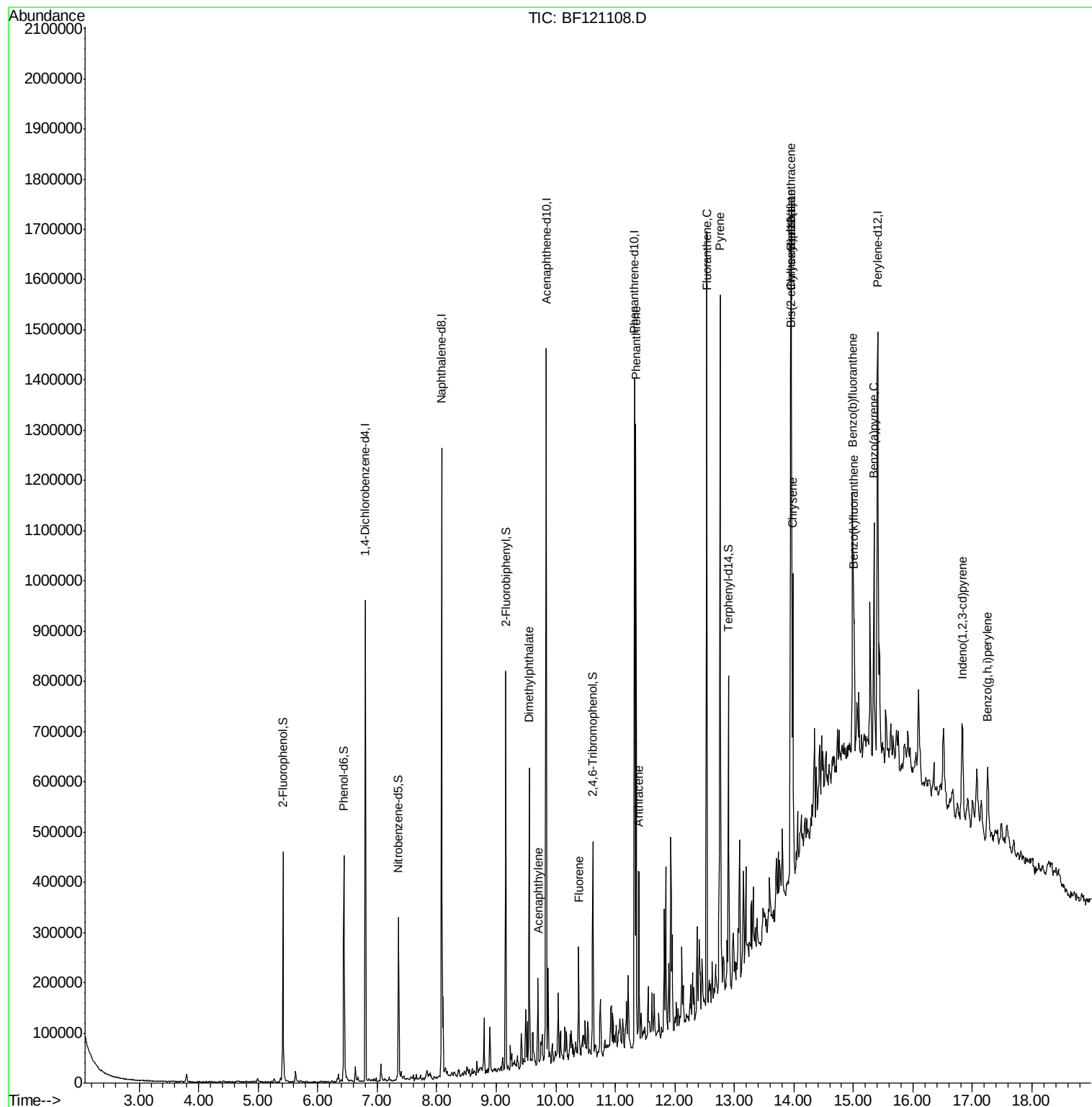
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121108.D
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ALS Vial : 8 Sample Multiplier: 1

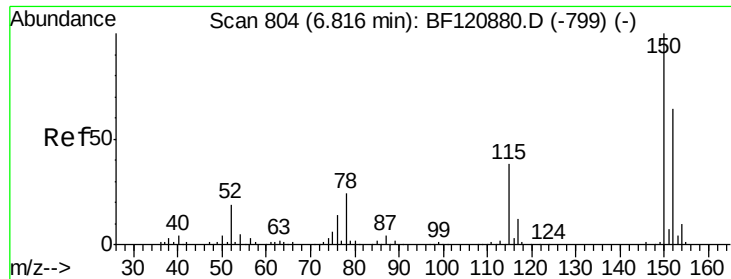
Instrument :
BNA_F
ClientSampled :
12

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Quant Time: Jul 29 19:07:08 2020
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

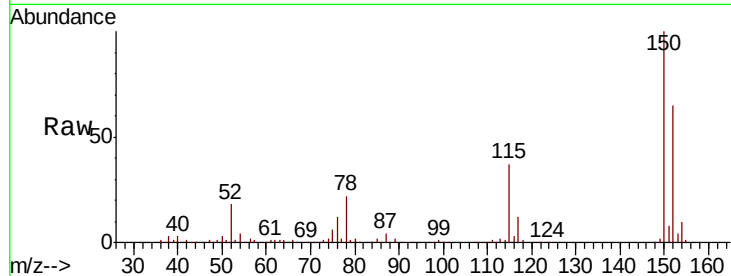
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.6	188.4
115	56.1	46.2	69.2

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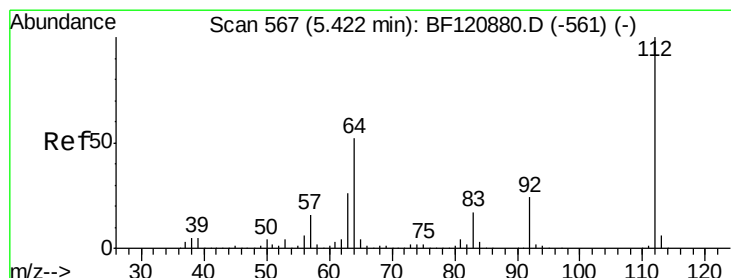
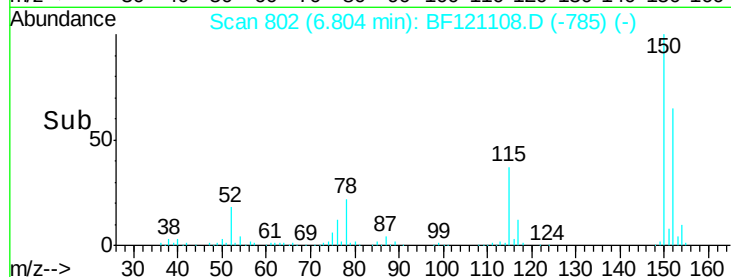
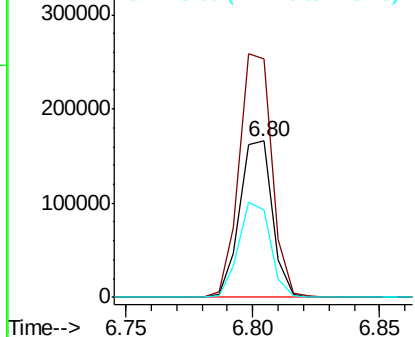


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

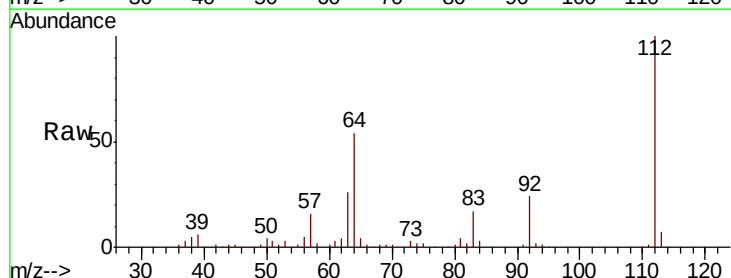
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.853 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	43.9	65.9
63	26.4	22.7	34.1

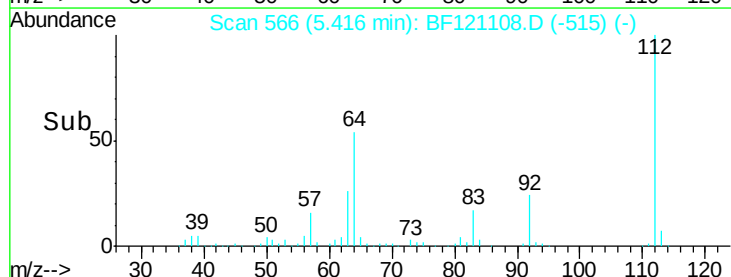
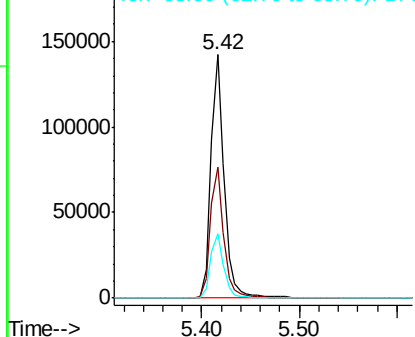


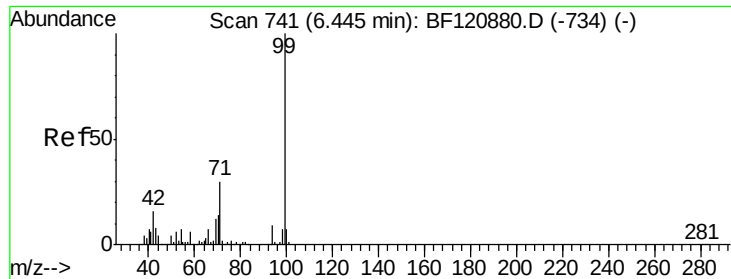
Abundance

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: 14.216 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

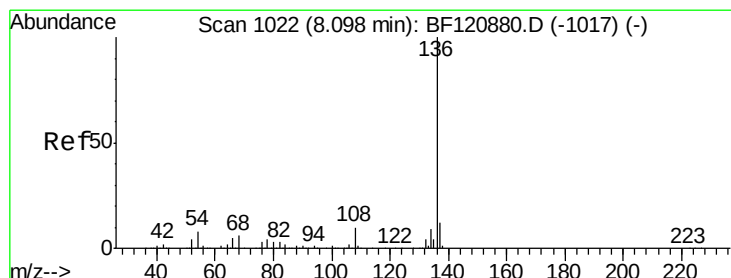
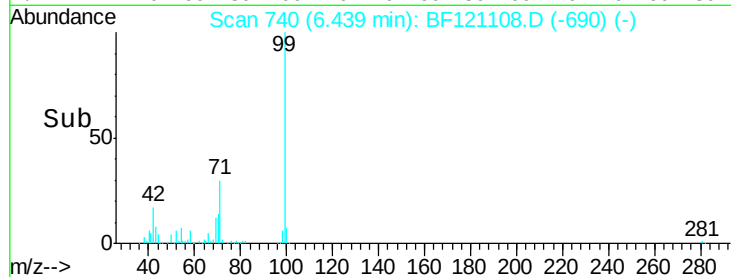
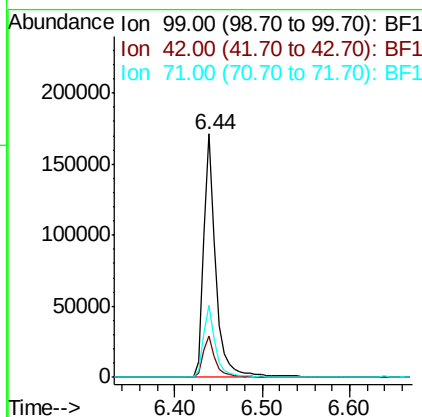
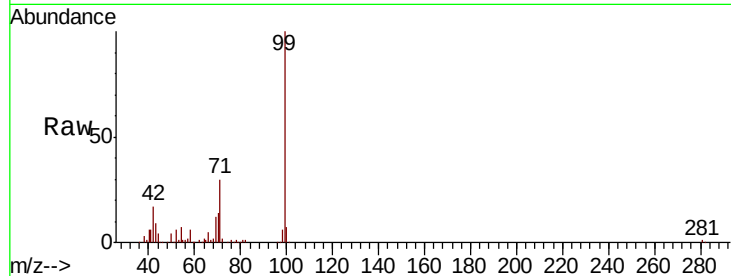
ClientSampled :

12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		166306		
42	16.8	13.5	20.3		
71	29.6	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

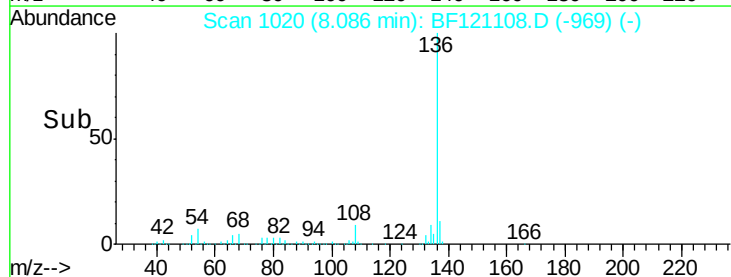
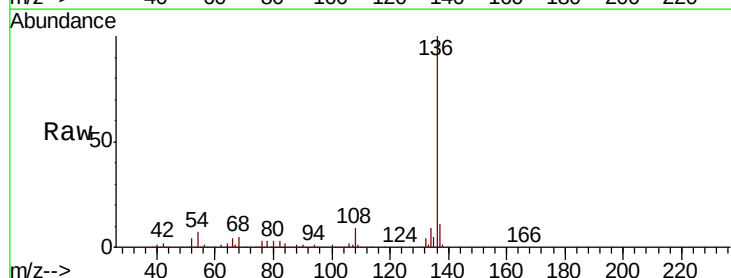
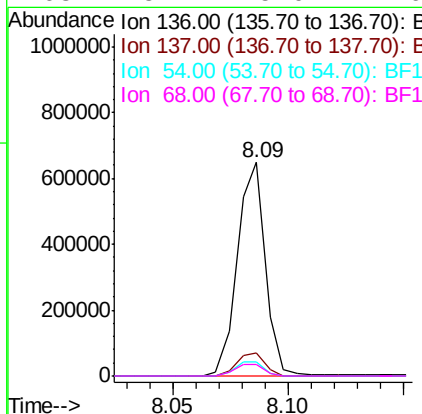
RT: 8.09 min Scan# 1020

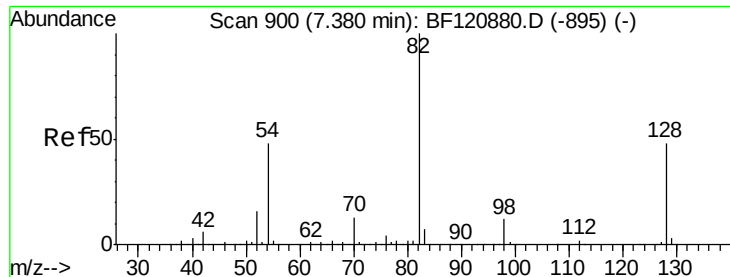
Delta R.T. -0.00 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		549110		
137	10.7	9.0	13.4		
54	6.6	6.1	9.1		
68	5.4	5.0	7.6		





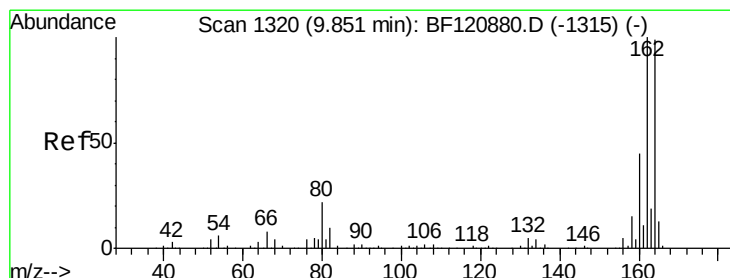
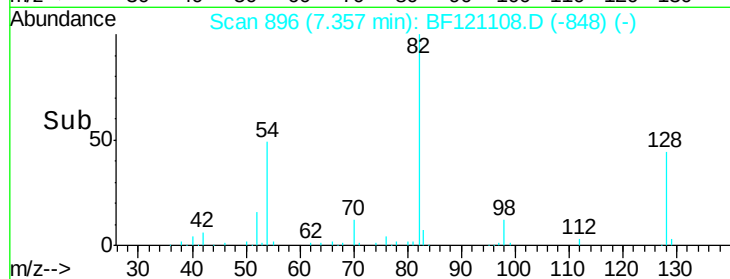
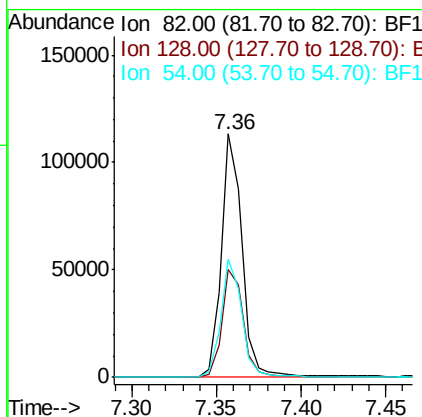
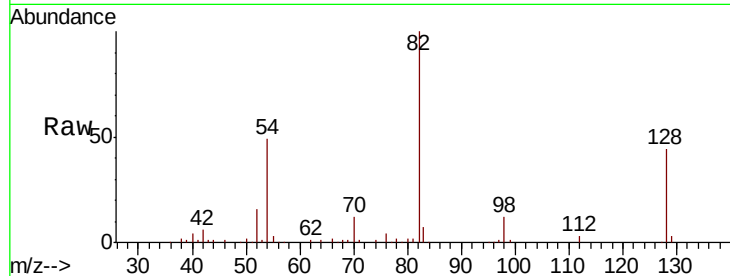
#23
 Nitrobenzene-d5
 Concen: 10.324 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Instrument :
 BNA_F
 ClientSampled :
 12

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	39.2	58.8
54	48.7	37.8	56.8

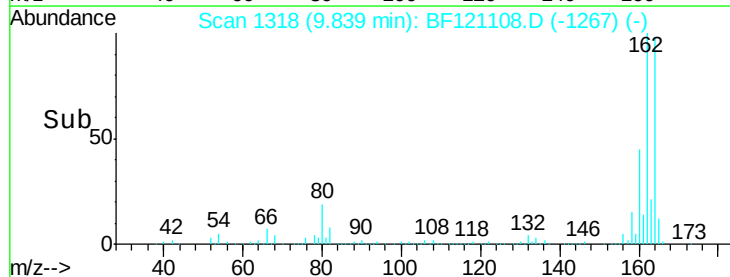
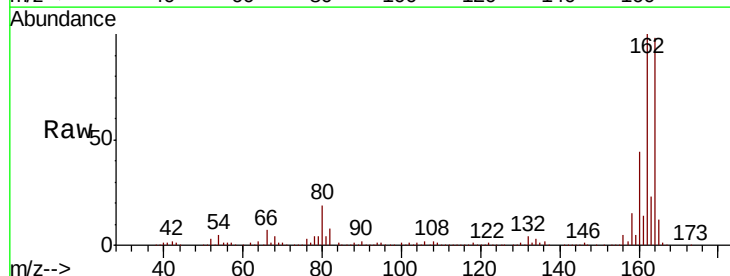
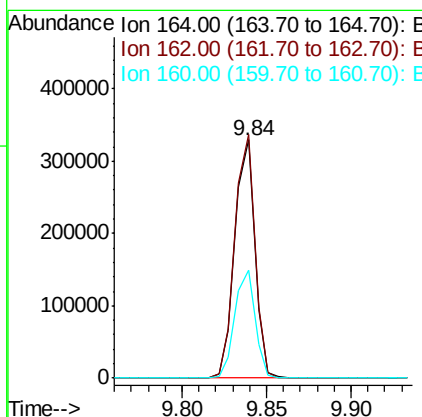
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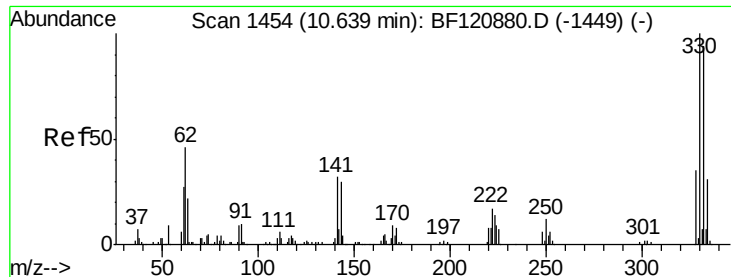
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	45.4	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 13.393 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

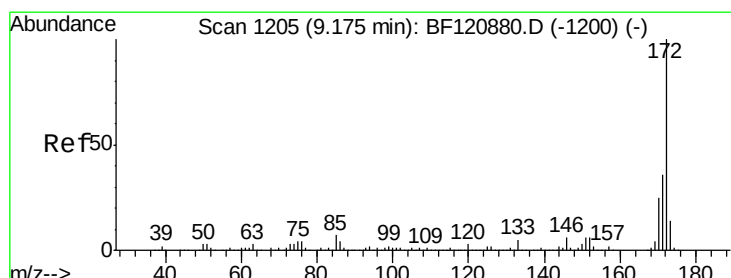
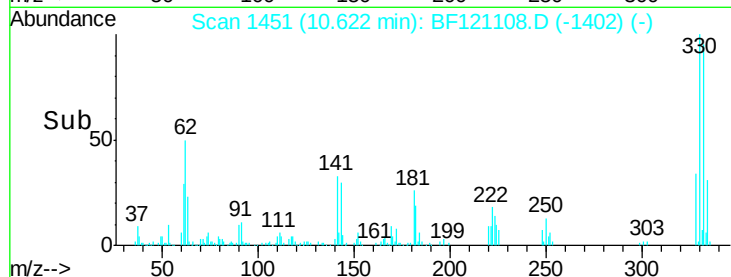
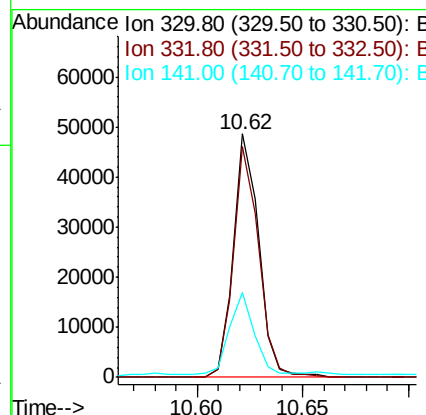
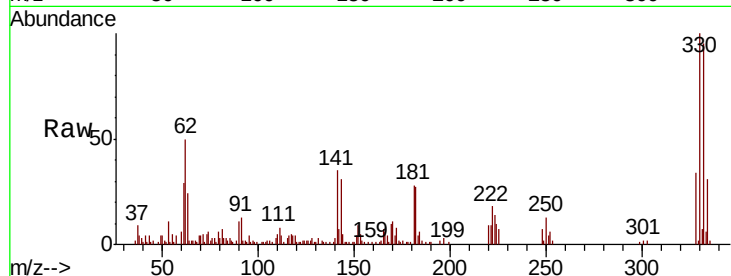
ClientSampled :

12

Tot Ion:	330	Resp:	40065
Ion Ratio	Lower	Upper	
330	100		
332	95.2	76.1	114.1
141	33.2	24.1	36.1

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#45

2-Fluorobiphenyl

Concen: 11.602 ng

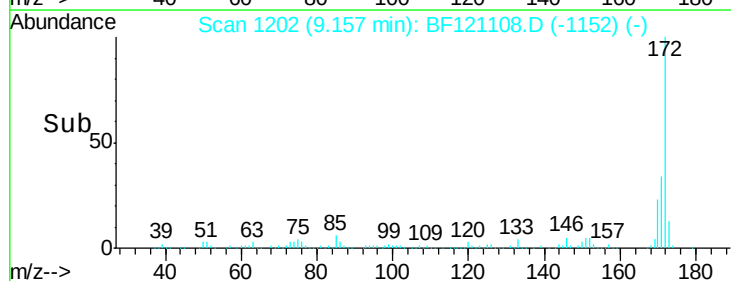
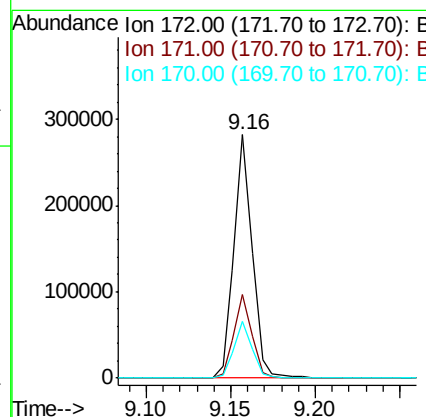
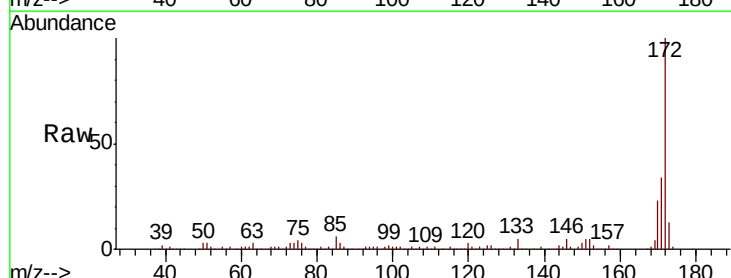
RT: 9.16 min Scan# 1202

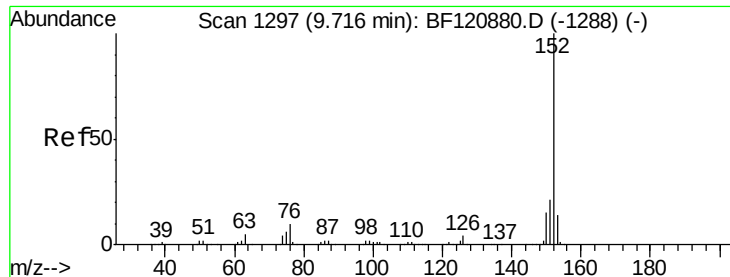
Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Tgt Ion:	172	Resp:	212365
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.0	43.4
170	23.1	19.6	29.4





#49

Acenaphthylene

Concen: 2.057 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

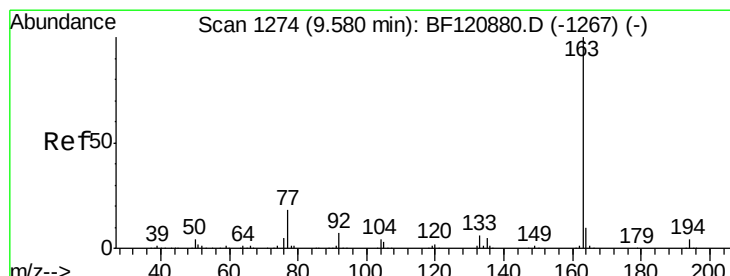
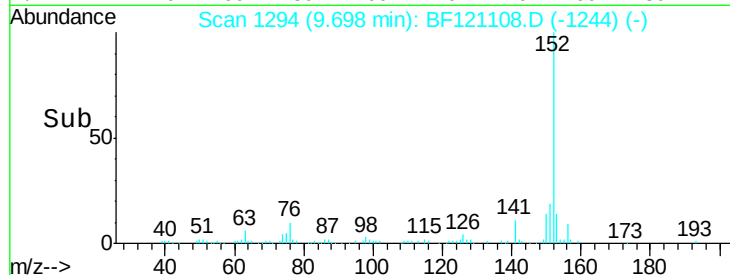
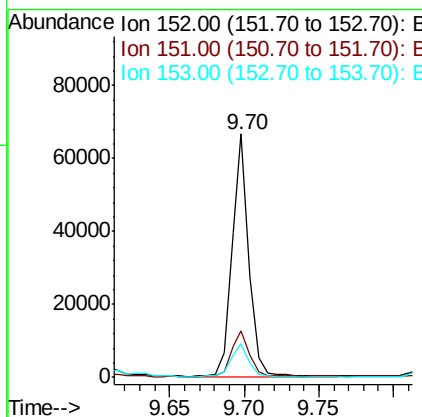
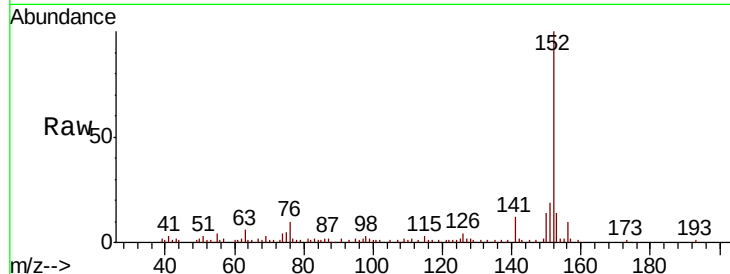
ClientSampleId :

12

Tot Ion:	152	Resp:	54303
Ion Ratio	Lower	Upper	
152	100		
151	19.1	16.6	25.0
153	14.1	11.0	16.4

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#50

Dimethylphthalate

Concen: 10.683 ng

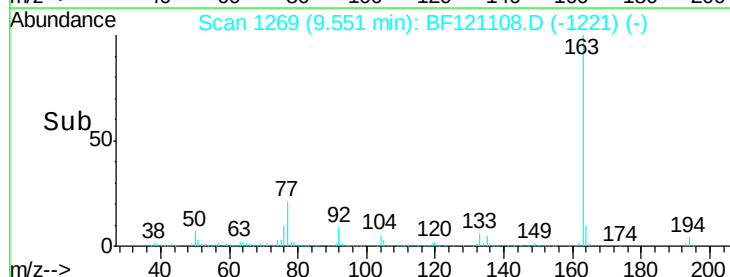
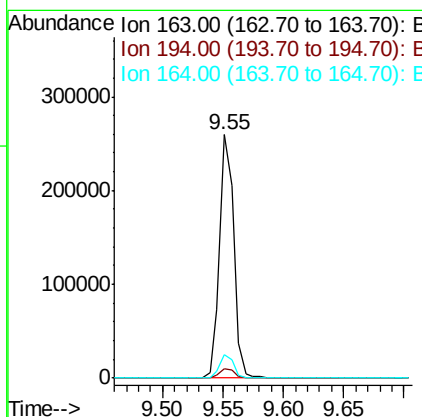
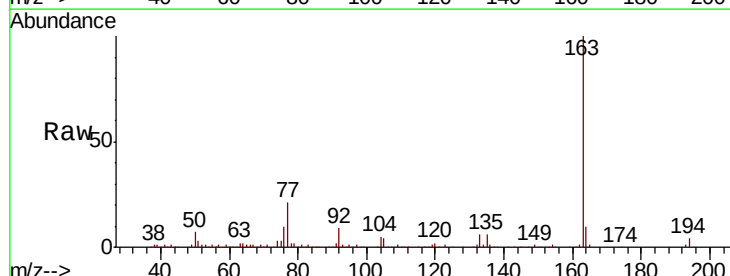
RT: 9.55 min Scan# 1269

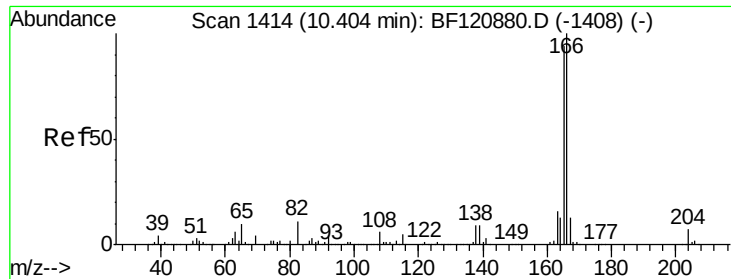
Delta R.T. -0.02 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Tgt Ion:	163	Resp:	210634
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.4
164	9.9	8.4	12.6





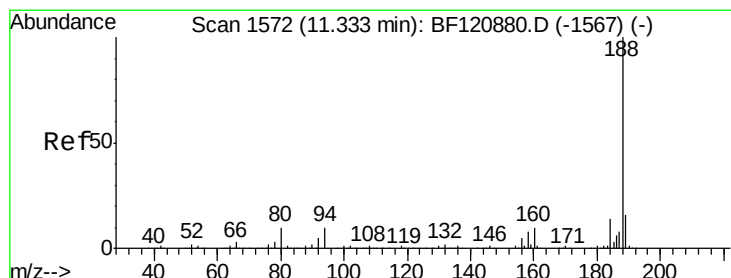
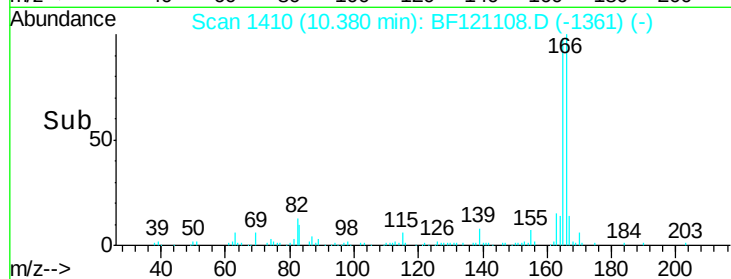
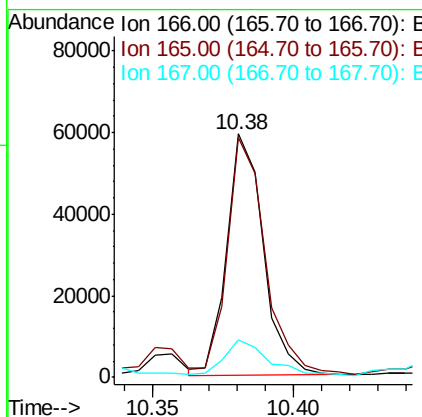
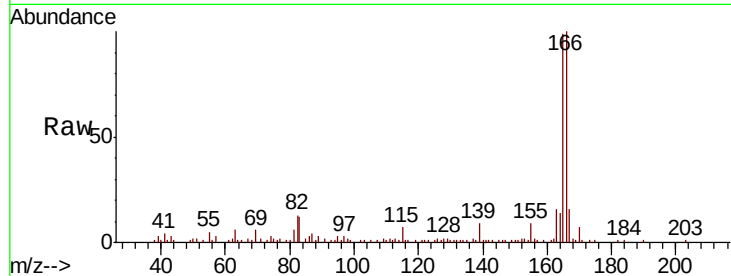
#58
 Fluorene
 Concen: 2.944 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 12

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	98.6	76.4	114.6	
167	15.6	10.7	16.1	

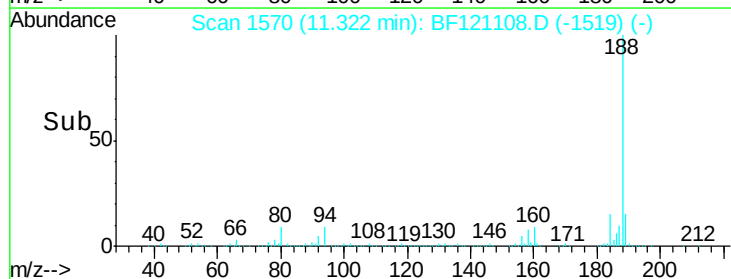
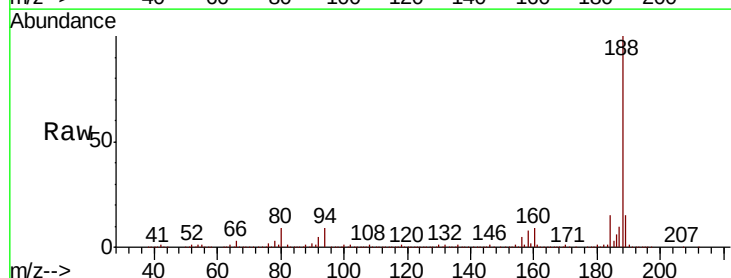
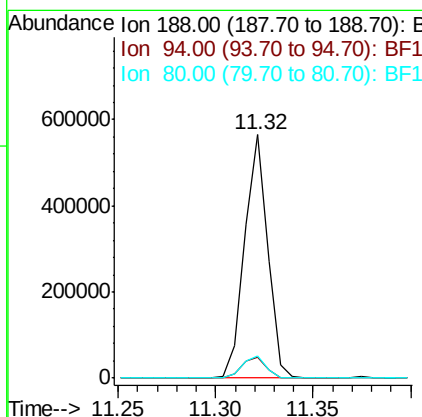
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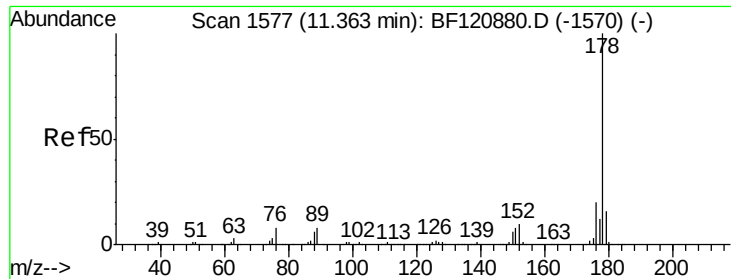
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.8	8.0	12.0	
80	9.3	8.3	12.5	





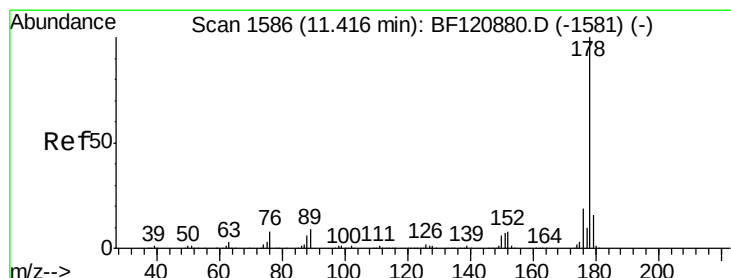
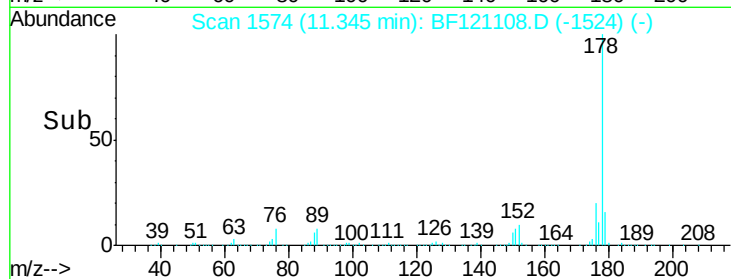
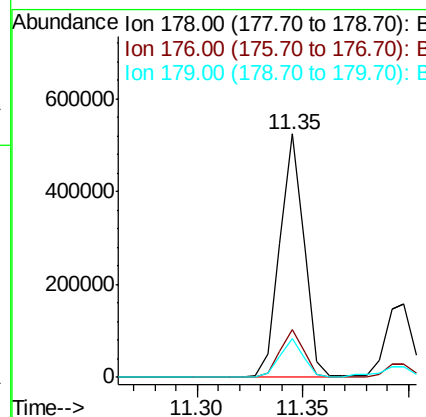
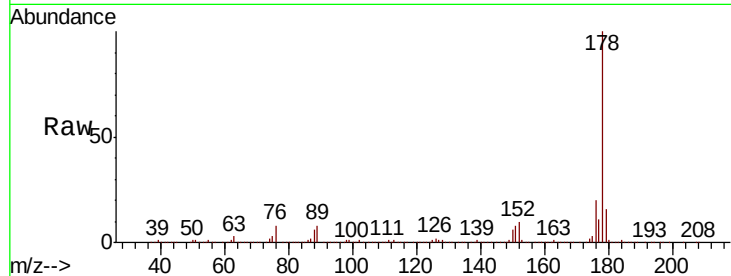
#71
Phenanthrene
Concen: 17.496 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.2
179	16.1	12.6	19.0

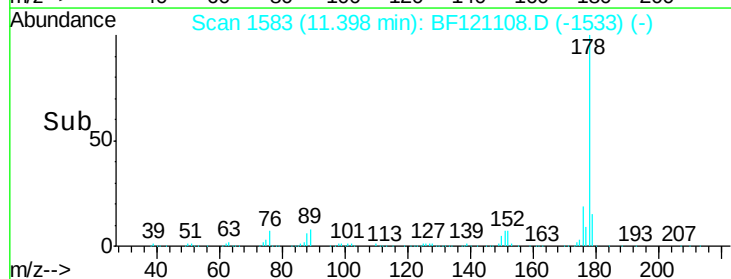
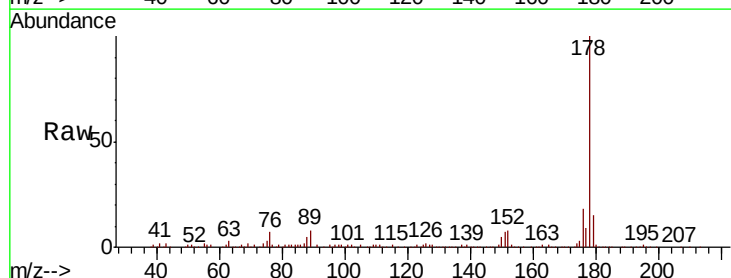
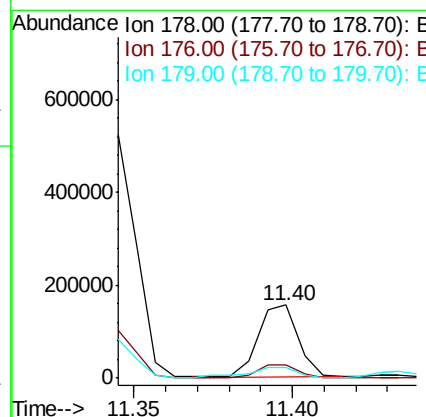
Manual Integrations
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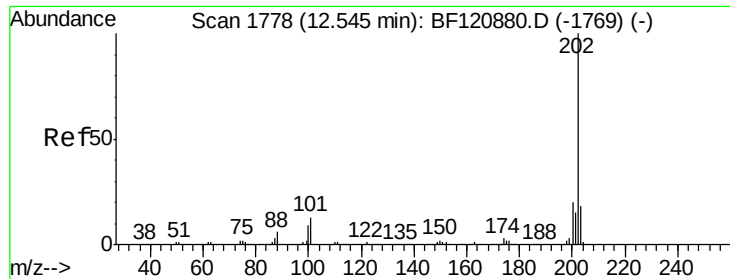
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#72
Anthracene
Concen: 5.756 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.5	12.6	19.0





#75

Fluoranthene

Concen: 20.983 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

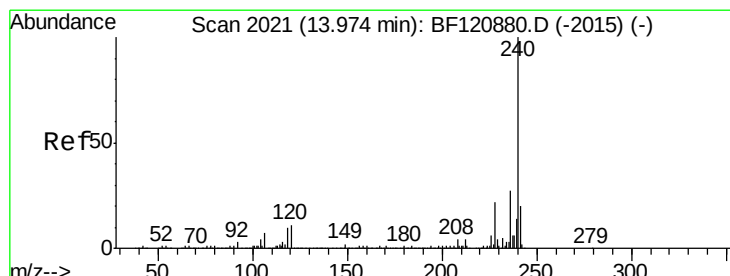
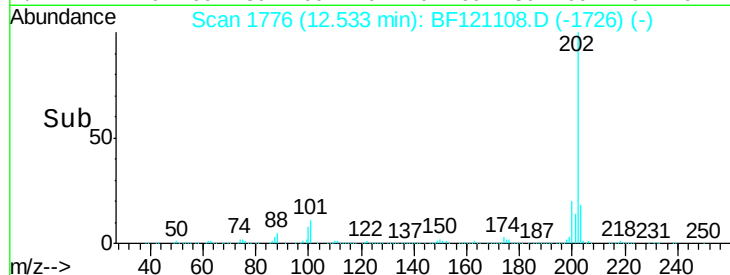
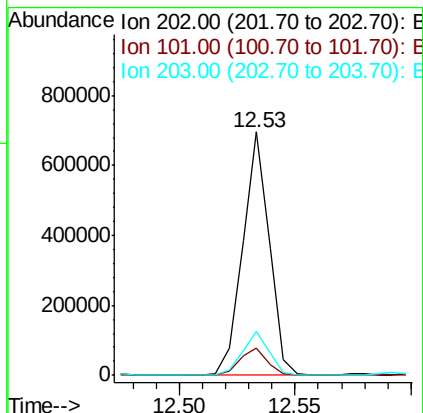
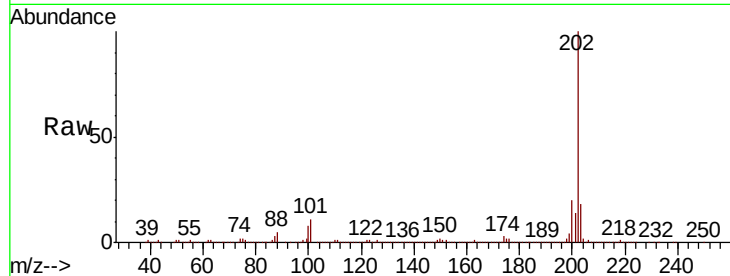
ClientSampleId :

12

Tot Ion	Ratio	Resp	Lower	Upper
202	100	554626		
101	11.4	0.0	30.5	
203	18.0	0.0	37.7	

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#76

Chrysene-d12

Concen: 20.000 ng

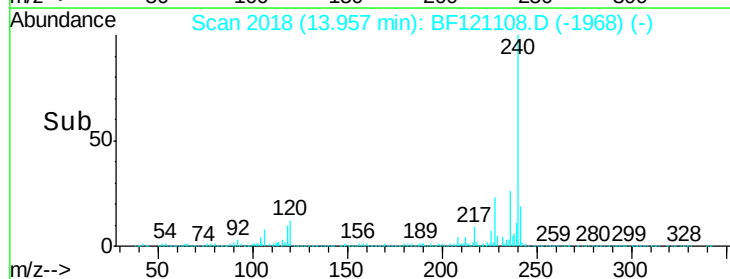
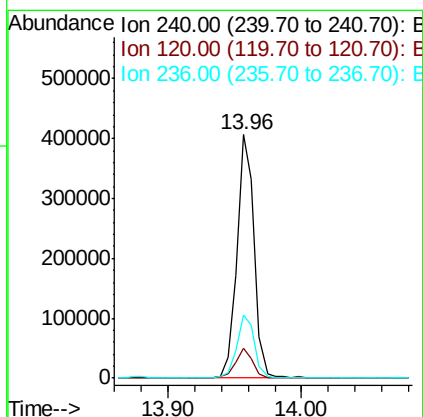
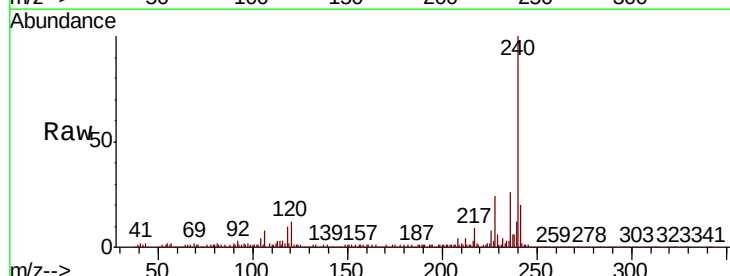
RT: 13.96 min Scan# 2018

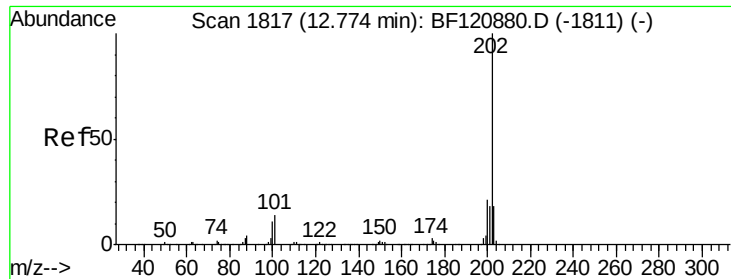
Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	363233		
120	12.2	9.3	13.9	
236	26.1	21.1	31.7	





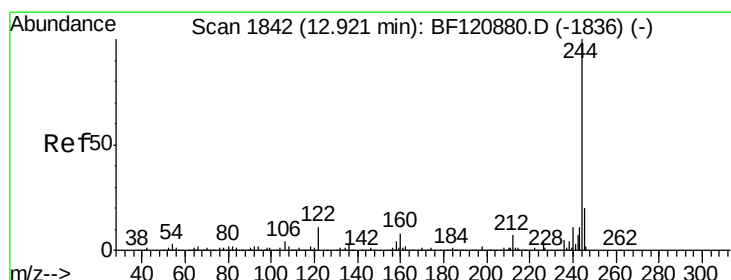
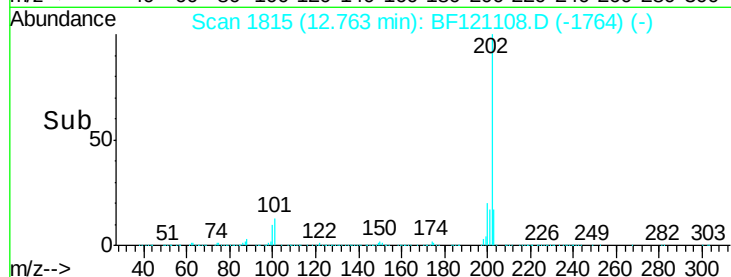
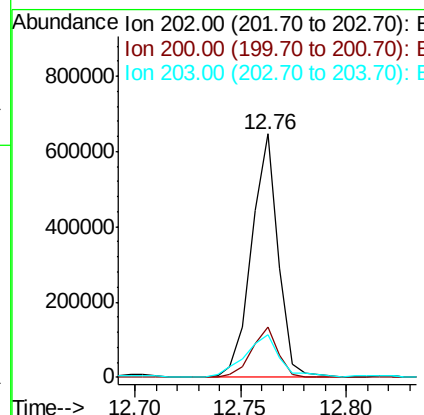
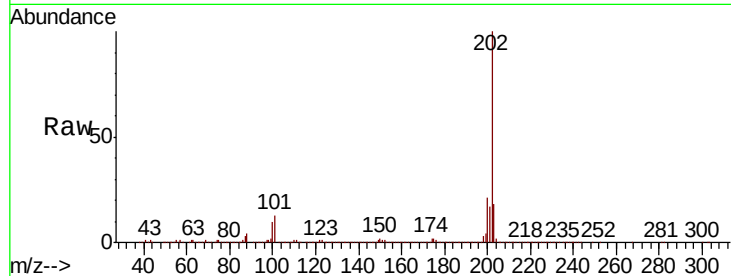
#78
Pvrene
Concen: 21.868 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.6
203	17.7	14.6	21.8

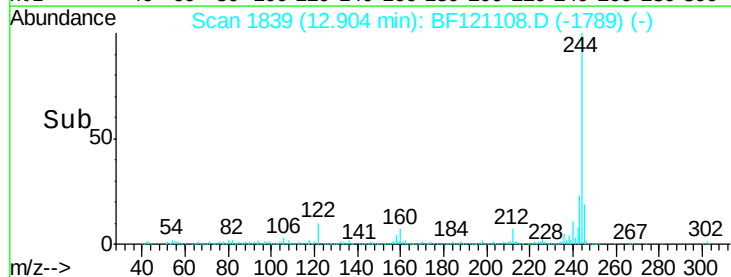
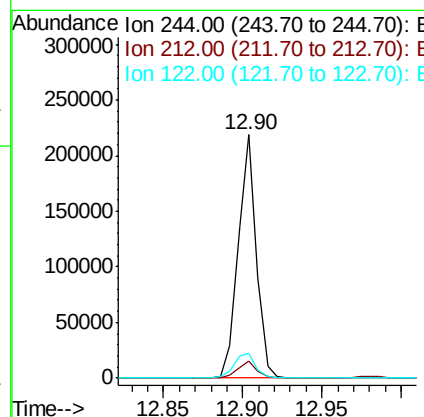
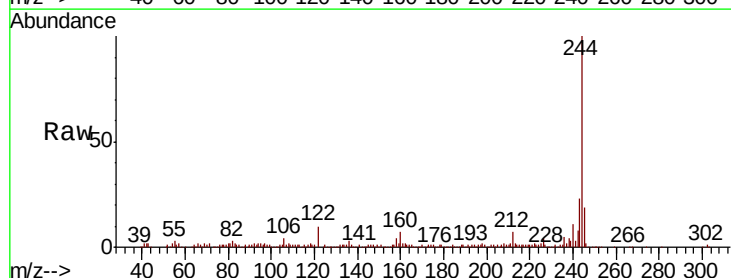
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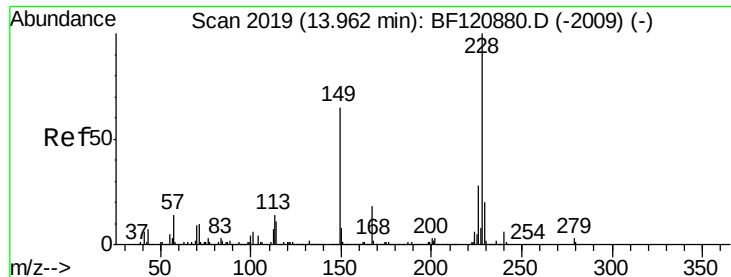
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#79
Terphenyl-d14
Concen: 10.376 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.4	8.3	12.5





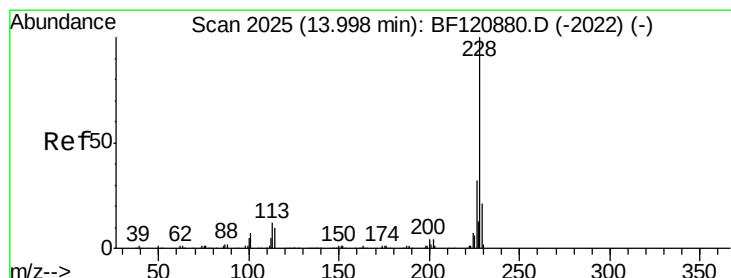
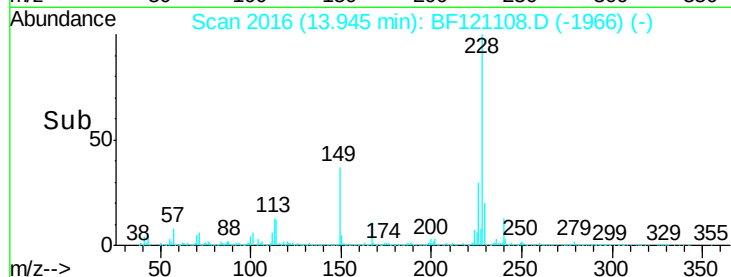
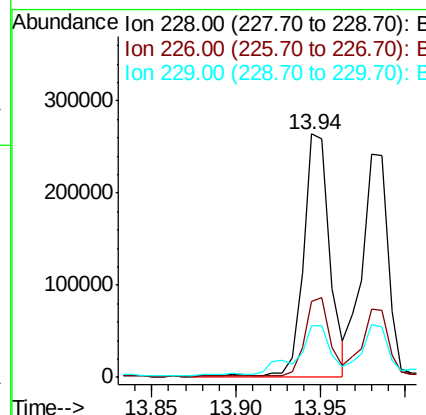
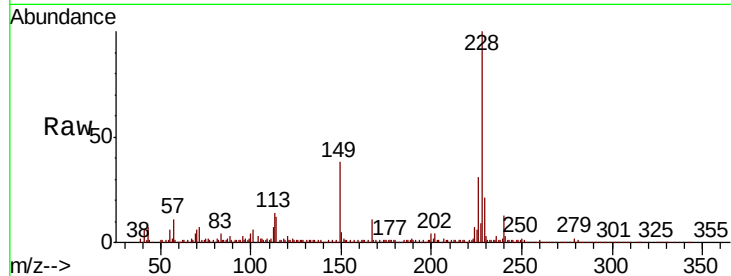
#81
Benzo(a)anthracene
Concen: 12.889 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	34.0
229	21.3	16.1	24.1

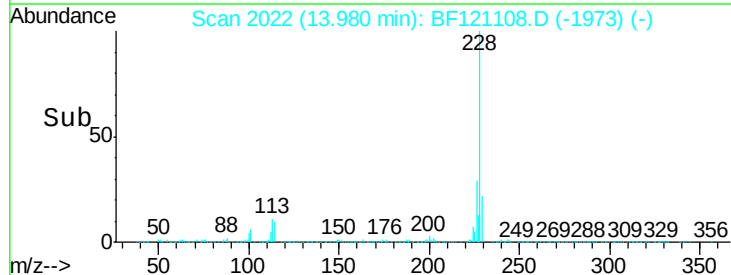
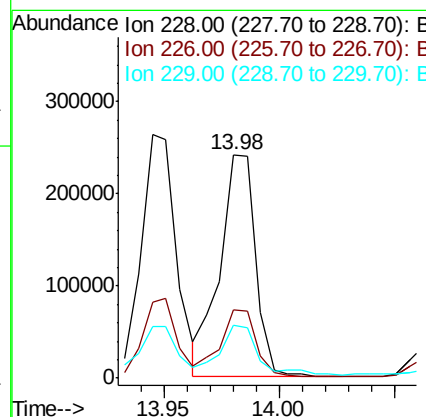
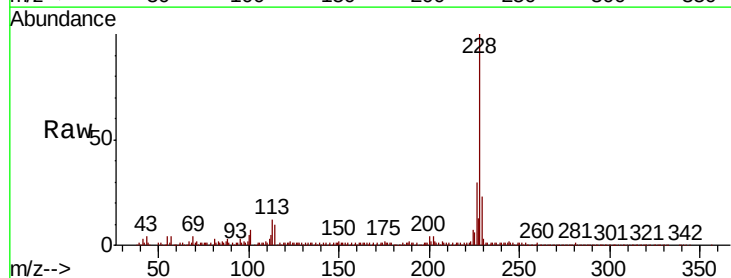
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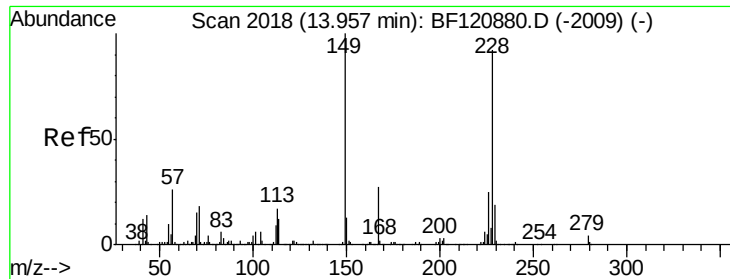
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#83
Chrysene
Concen: 11.265 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	23.4	16.2	24.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.617 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

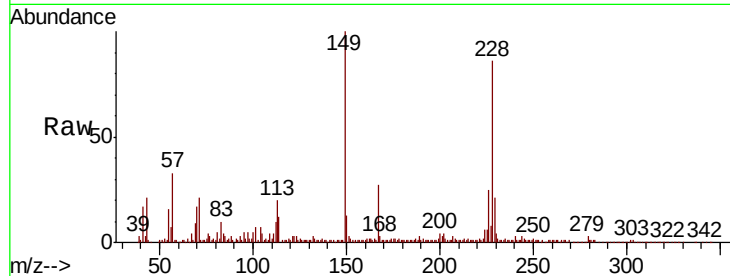
ClientSampleId :

12

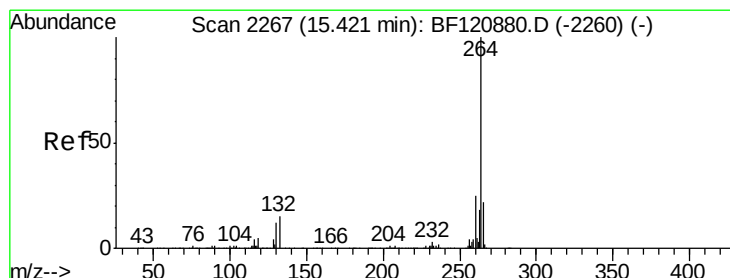
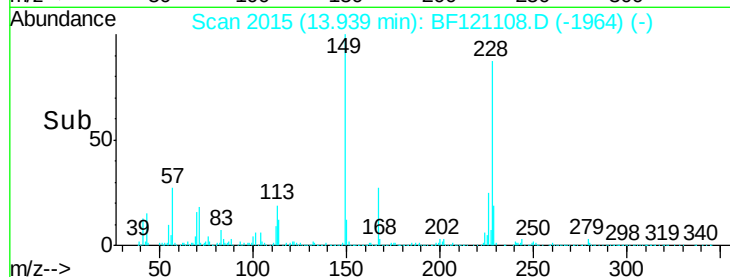
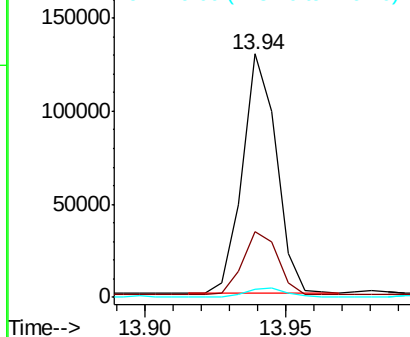
Tot Ion:	149	Resp:	107525
Ion Ratio	Lower	Upper	
149	100		
167	27.2	21.8	32.6
279	3.5	2.9	4.3

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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

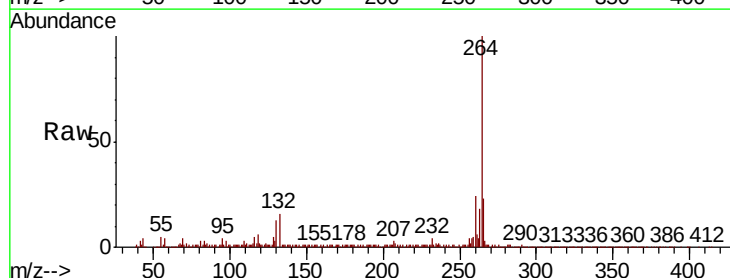
RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

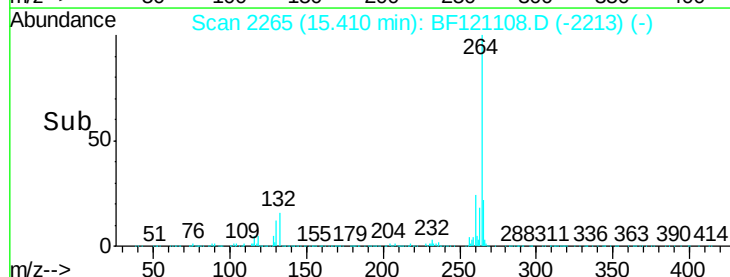
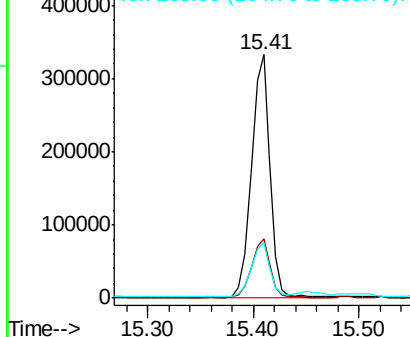
Lab File: BF121108.D

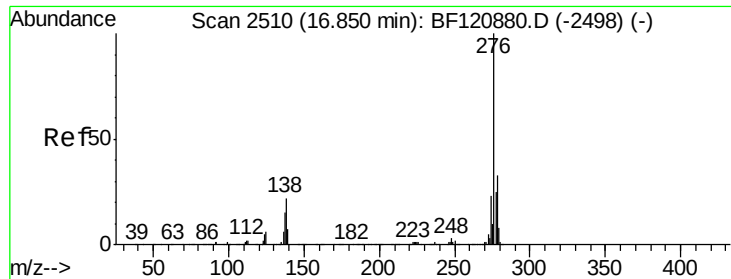
Acq: 29 Jul 2020 18:26

Tgt Ion:	264	Resp:	407497
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.9	29.9
265	22.6	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





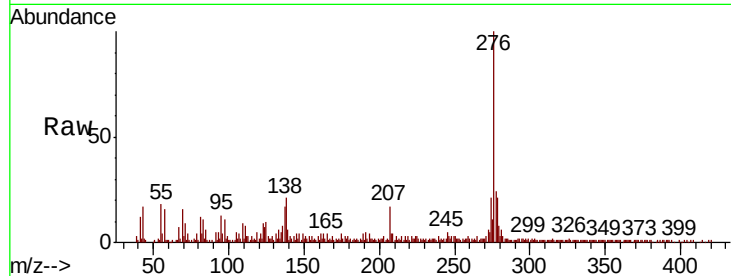
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.379 ng
 RT: 16.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 12

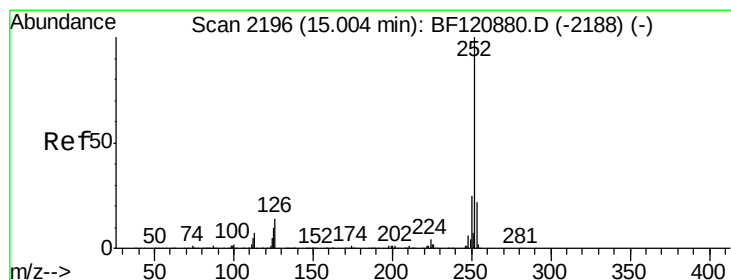
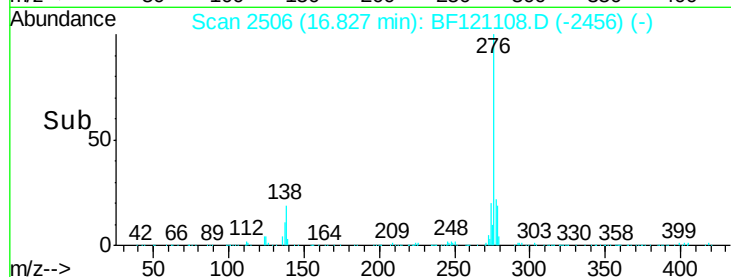
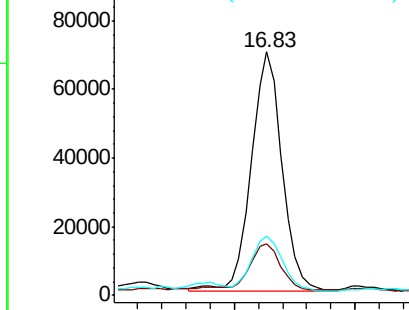
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	19.3	28.9
277	23.3	20.1	30.1

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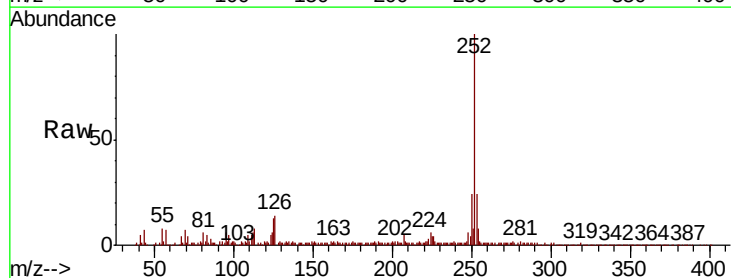


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

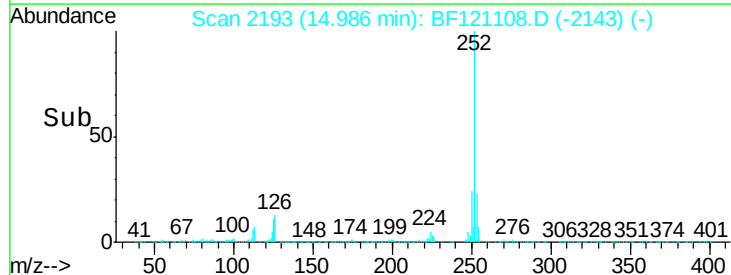
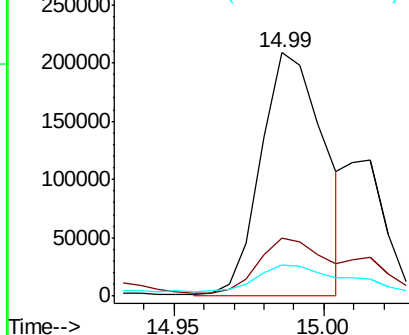


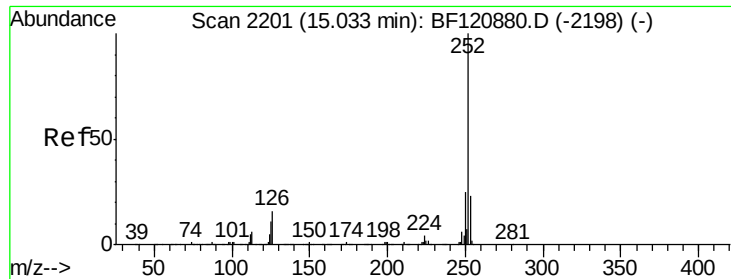
#88
 Benzo(b)fluoranthene
 Concen: 12.244 ng m
 RT: 14.99 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	12.9	8.1	12.1#



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





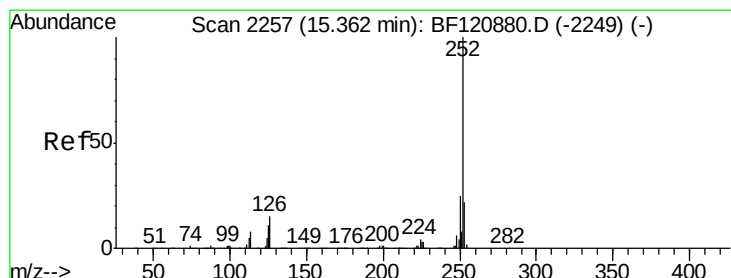
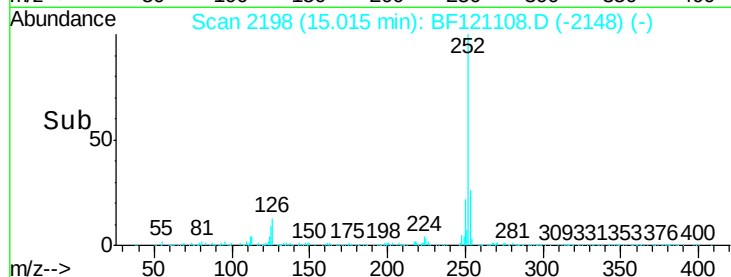
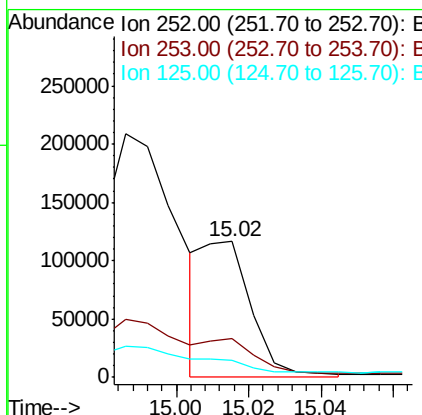
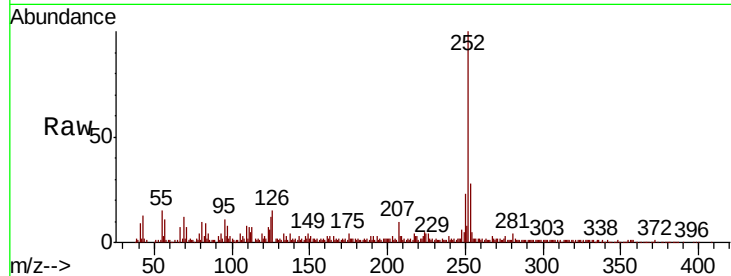
#89
Benzo(k)fluoranthene
Concen: 4.833 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	12.5	8.0	12.0#

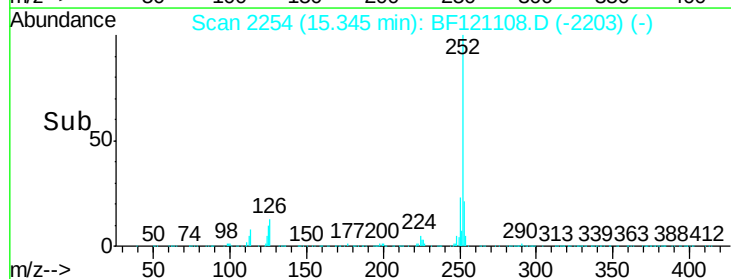
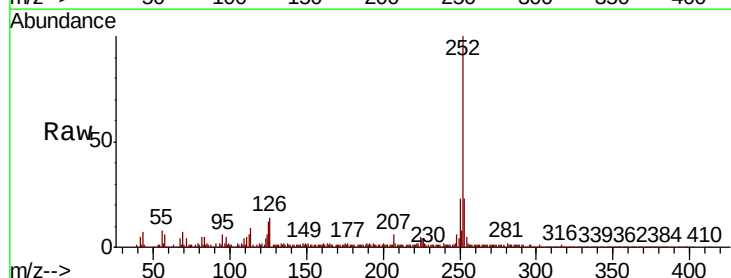
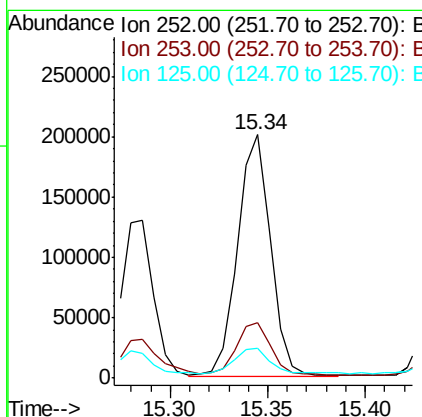
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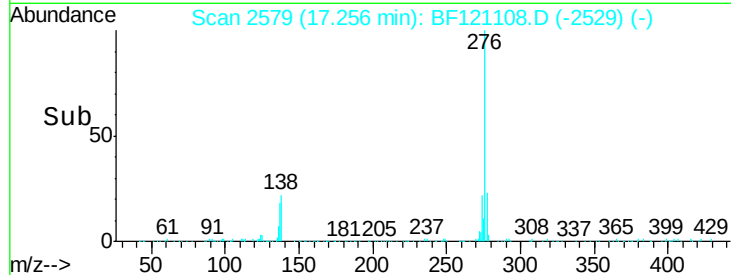
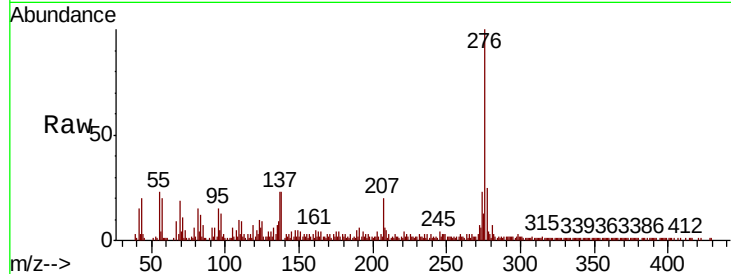
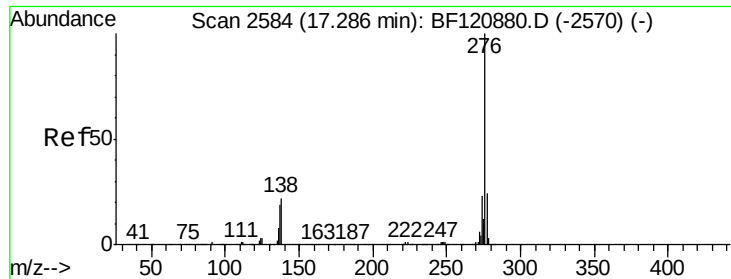
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#90
Benzo(a)pyrene
Concen: 10.411 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.1	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 4.880 ng
 RT: 17.26 min Scan# 2579
 Delta R.T. -0.01 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 12

Tot Ion:	276	Resp:	111376
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.4	29.0
138	23.5	17.2	25.8

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