

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121105.D
 Acq On : 29 Jul 2020 16:52
 Operator : JU/CG
 Sample : L3430-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS2

Manual Integrations
 APPROVED

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 7/30/2020 3:33:31 PM

Quant Time: Jul 29 17:24:44 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	171509	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	634605	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	315385	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	522309	20.00	ng	0.00
76) Chrysene-d12	13.96	240	375904	20.00	ng	0.00
86) Perylene-d12	15.42	264	442080	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	901544	86.17	ng	0.00
7) Phenol-d6	6.44	99	1101875	81.53	ng	0.00
23) Nitrobenzene-d5	7.36	82	692566	63.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	281566	81.56	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1203750	56.99	ng	0.00
79) Terphenyl-d14	12.91	244	1009744	58.39	ng	0.00
Target Compounds						
49) Acenaphthylene	9.70	152	80996	2.658	ng	99
50) Dimethylphthalate	9.55	163	203868	8.960	ng	99
71) Phenanthrene	11.35	178	331750	12.350	ng	99
72) Anthracene	11.39	178	157741	5.848	ng	99
75) Fluoranthene	12.53	202	941431	31.618	ng	98
78) Pyrene	12.76	202	907596	34.150	ng	99
81) Benzo(a)anthracene	13.95	228	651979	28.642	ng	96
83) Chrysene	13.99	228	583969	24.412	ng	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	62178	4.256	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.84	276	342463	11.139	ng	97
88) Benzo(b)fluoranthene	15.00	252	803169m	30.056	ng	
89) Benzo(k)fluoranthene	15.02	252	294012m	12.064	ng	
90) Benzo(a)pyrene	15.35	252	571521	23.442	ng	98
91) Dibenzo(a,h)anthracene	16.85	278	95153	3.789	ng	# 88
92) Benzo(a,h,i)perylene	17.28	276	306550	12.380	ng	98

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

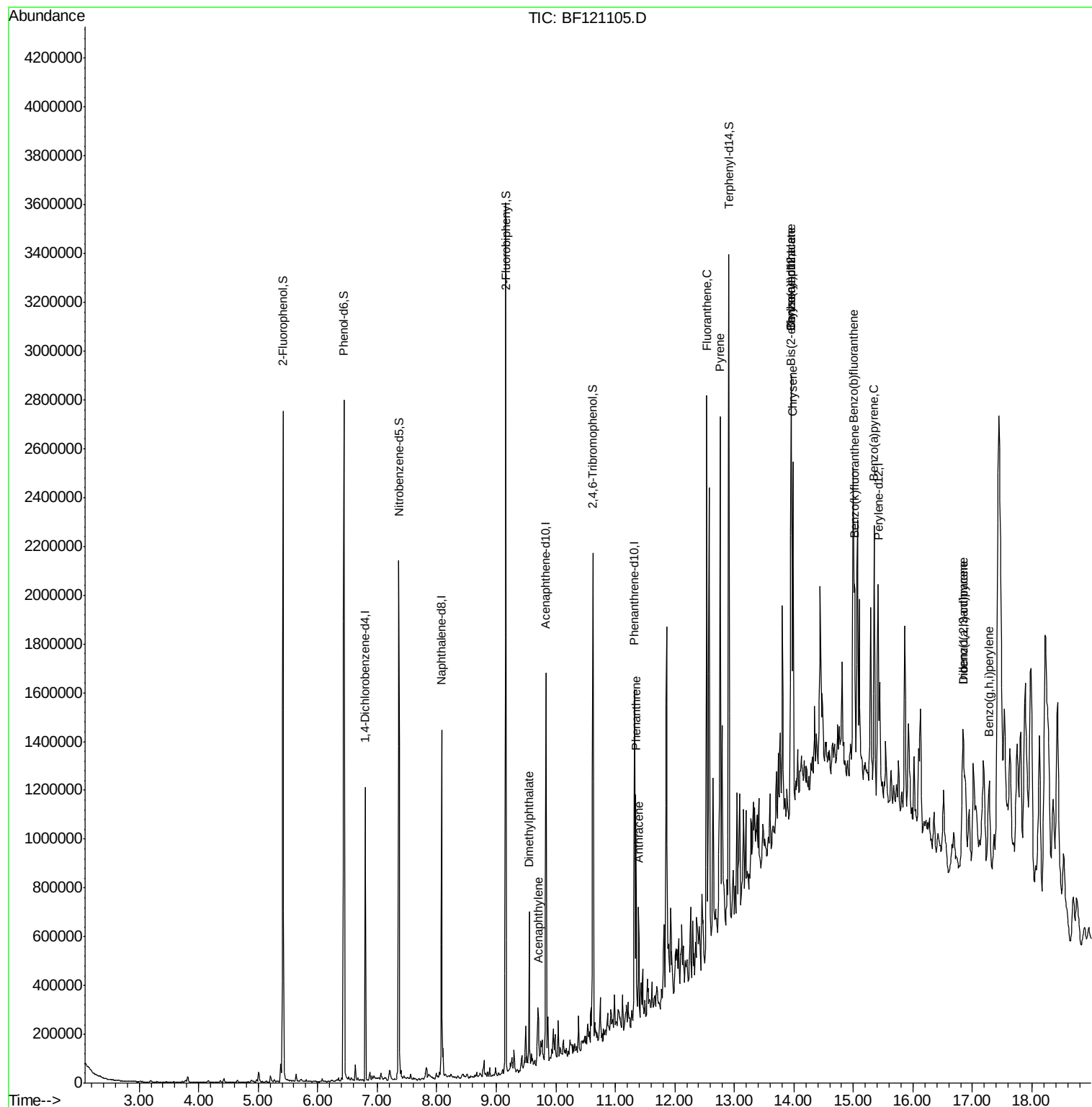
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121105.D
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ALS Vial : 5 Sample Multiplier: 1

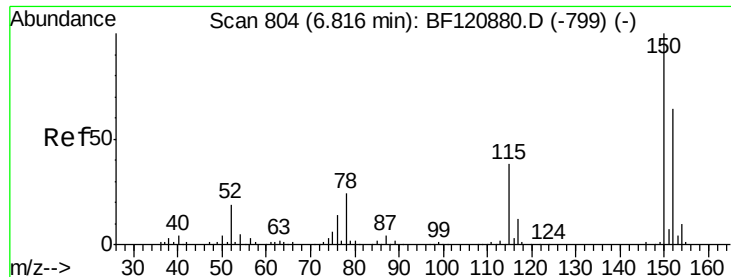
Instrument :
BNA_F
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TS2

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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

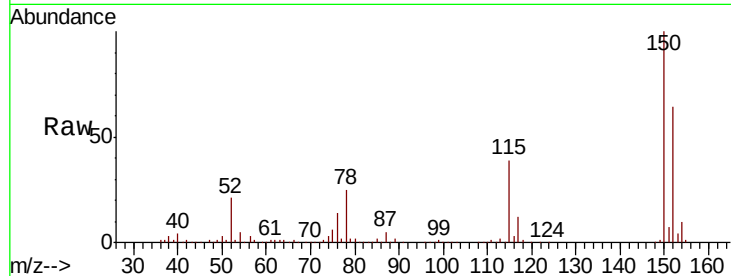
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Instrument :
BNA_F
ClientSampled :
TS2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.6	188.4
115	60.9	46.2	69.2

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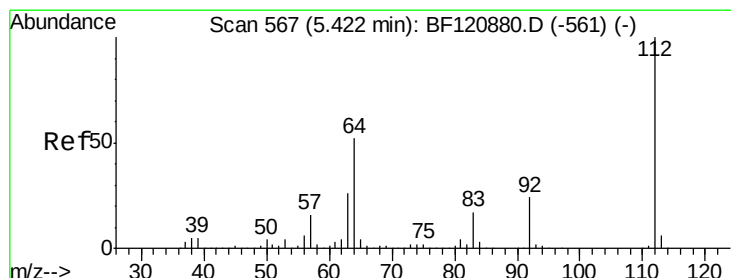
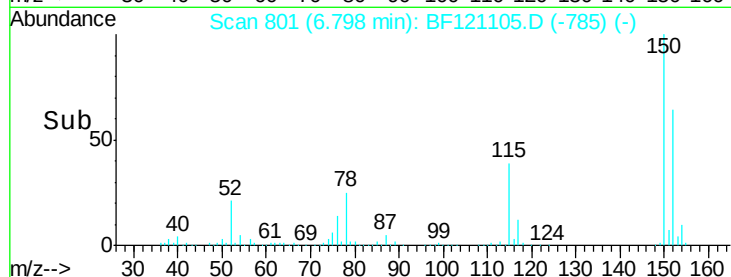
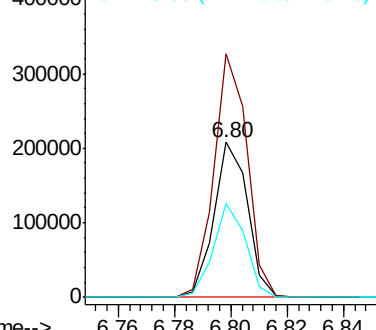


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

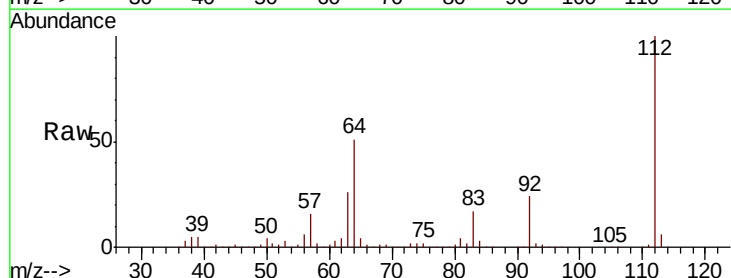
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.173 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	43.9	65.9
63	26.4	22.7	34.1

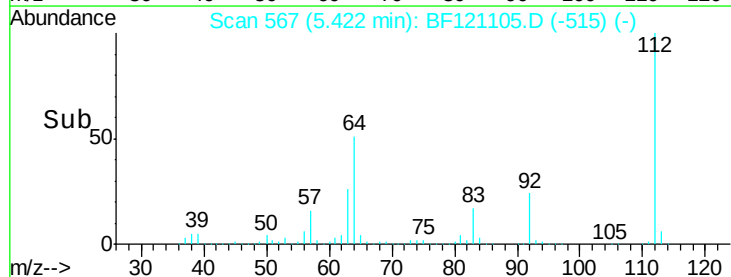
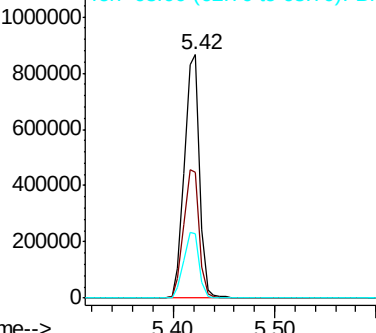


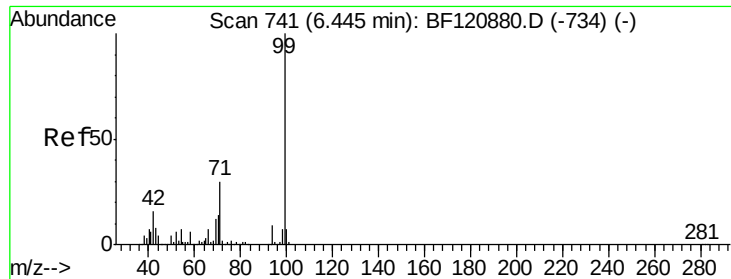
Abundance

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: 81.535 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121105.D

Acq: 29 Jul 2020 16:52

Instrument :

BNA_F

ClientSampled :

TS2

Tot Ion: 99 Resp: 1101875

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

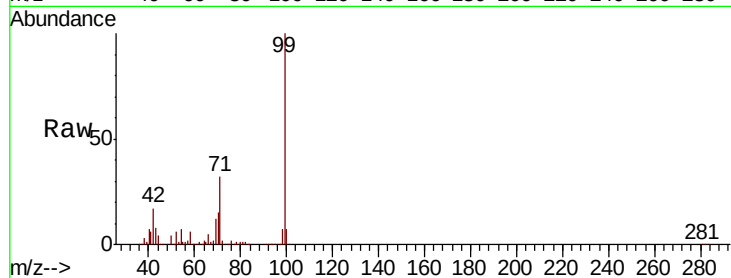
71 31.6 25.0 37.4

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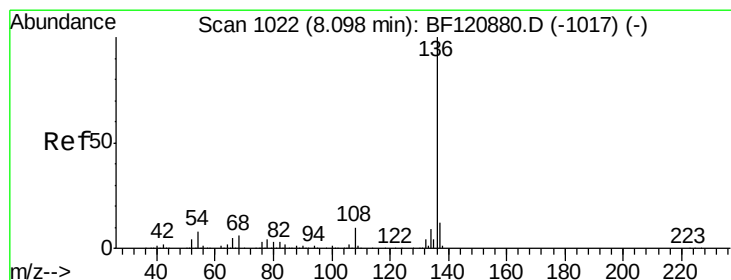
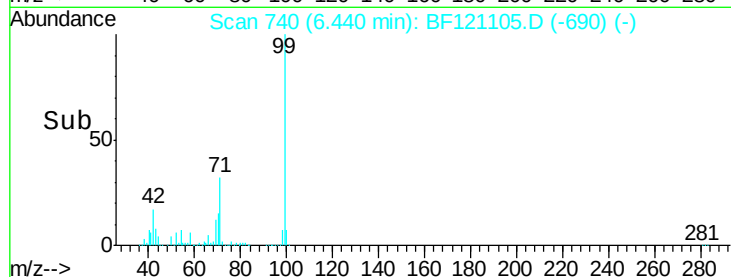
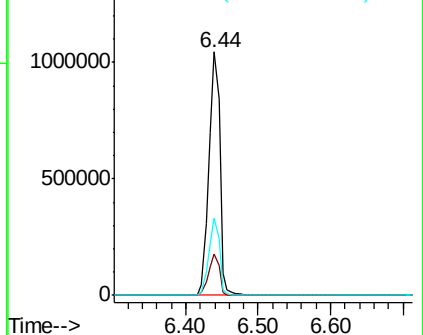
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121105.D

Acq: 29 Jul 2020 16:52

Tgt Ion: 136 Resp: 634605

Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.6 6.1 9.1

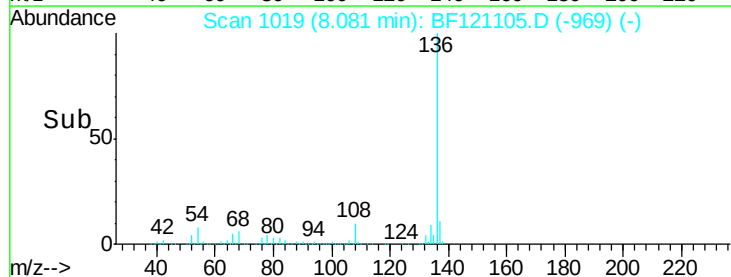
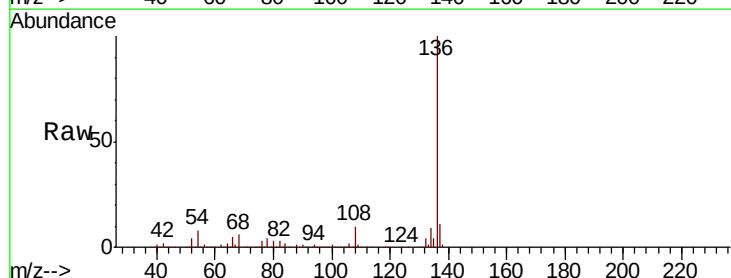
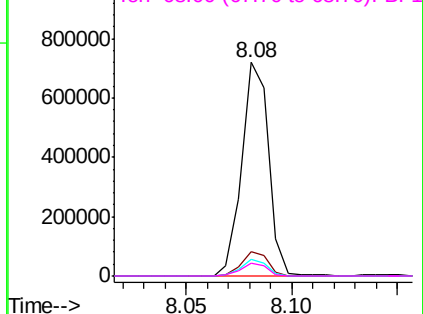
68 6.1 5.0 7.6

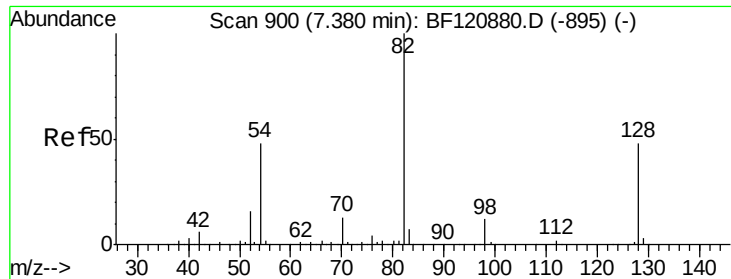
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





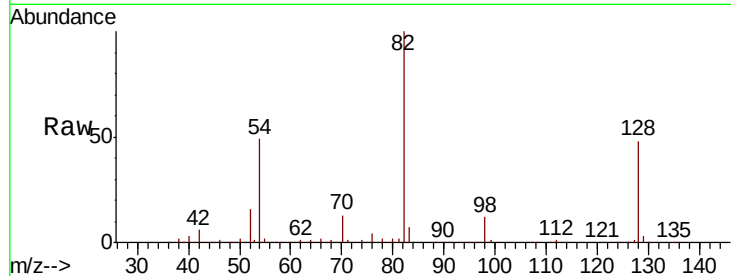
#23
Nitrobenzene-d5
Concen: 63.148 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Instrument :
BNA_F
ClientSampled :
TS2

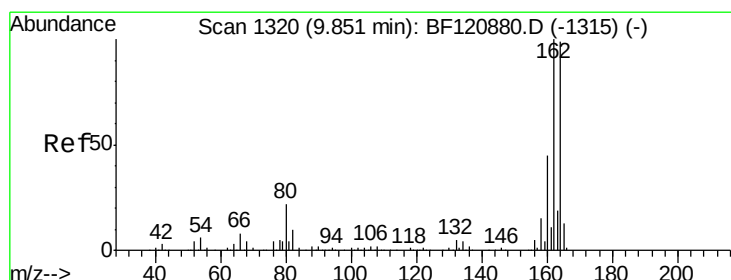
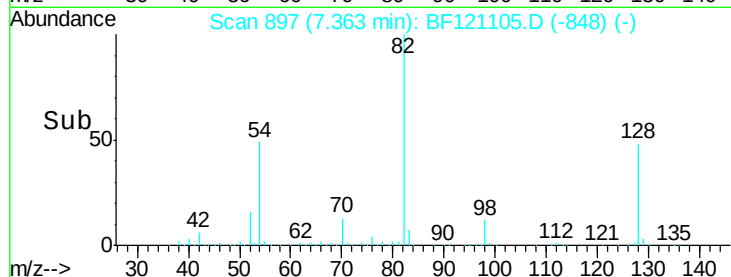
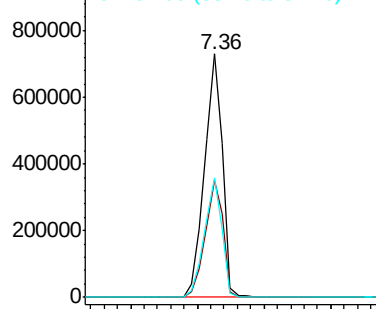
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	39.2	58.8
54	48.8	37.8	56.8

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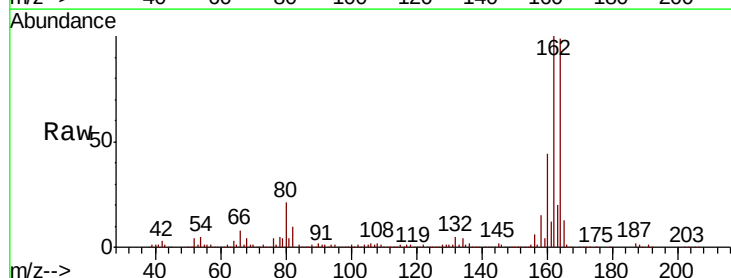


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

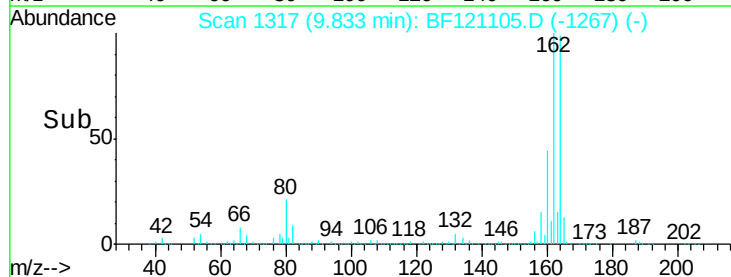
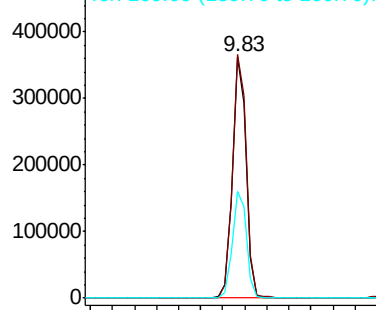


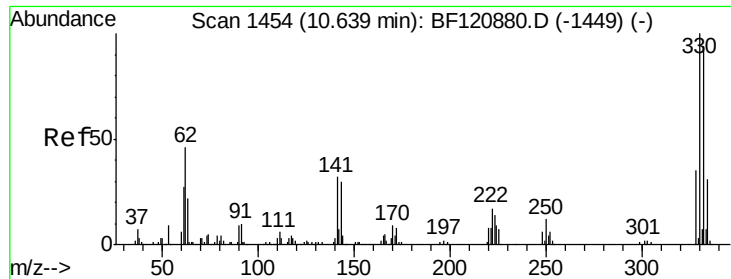
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	44.0	37.2	55.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 81.561 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121105.D

Acq: 29 Jul 2020 16:52

Instrument :

BNA_F

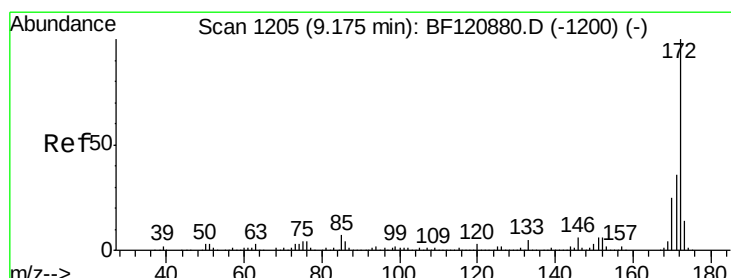
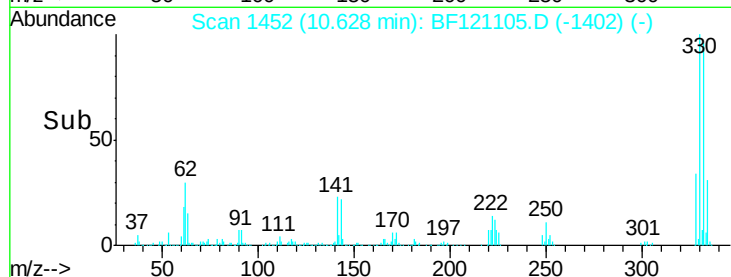
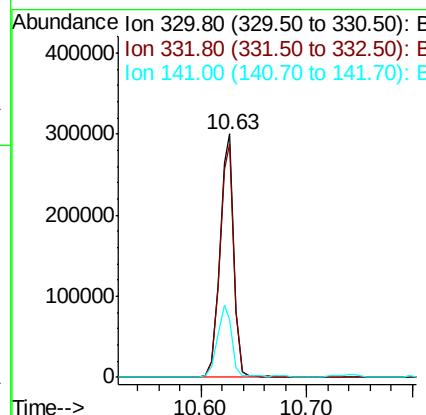
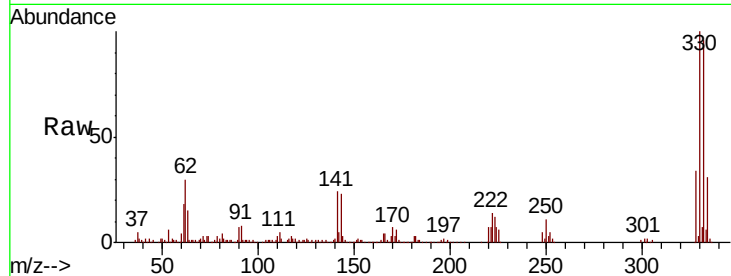
ClientSampled :

TS2

Tot Ion:	330	Resp:	281566
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.1	114.1
141	30.0	24.1	36.1

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#45

2-Fluorobiphenyl

Concen: 56.986 ng

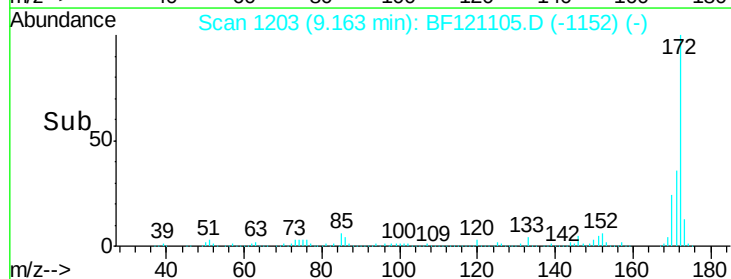
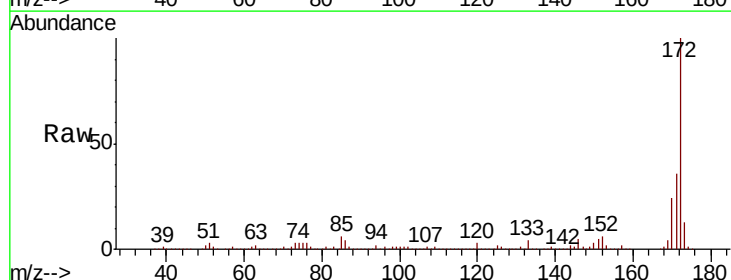
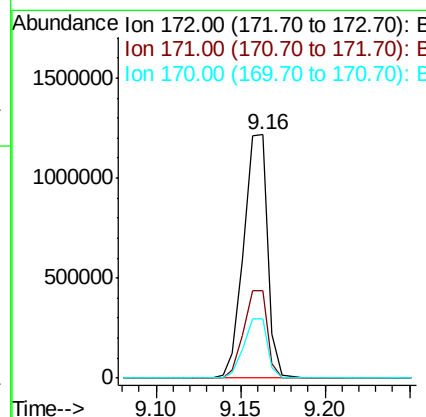
RT: 9.16 min Scan# 1203

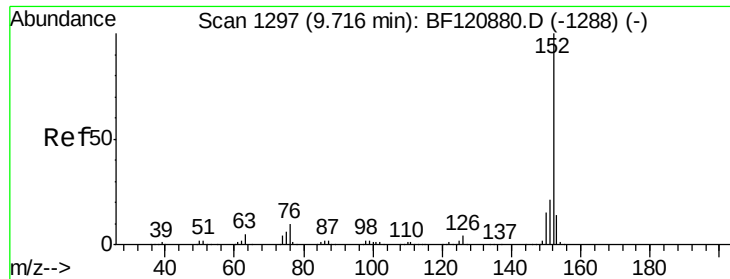
Delta R.T. 0.00 min

Lab File: BF121105.D

Acq: 29 Jul 2020 16:52

Tgt Ion:	172	Resp:	1203750
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.0	43.4
170	24.2	19.6	29.4





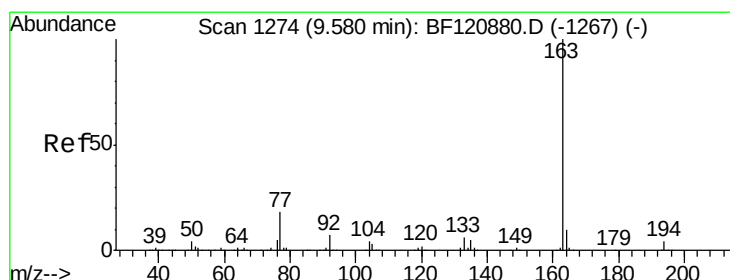
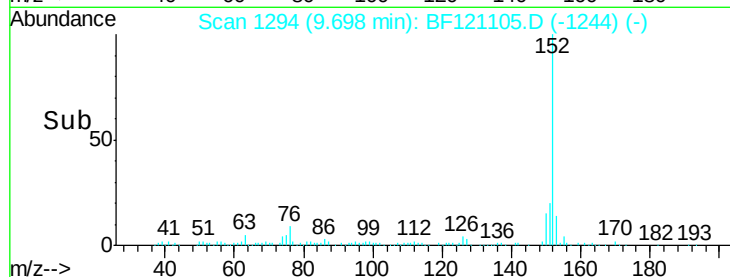
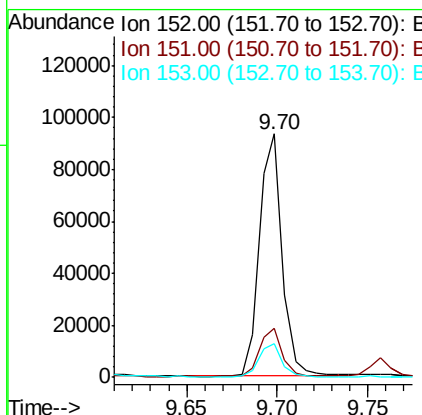
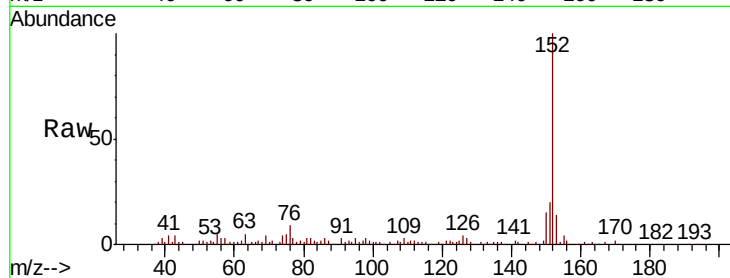
#49
 Acenaphthylene
 Concen: 2.658 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF121105.D
 Acq: 29 Jul 2020 16:52

Instrument :
 BNA_F
 ClientSampleId :
 TS2

Tot Ion:	152	Resp:	80996
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.6	25.0
153	14.0	11.0	16.4

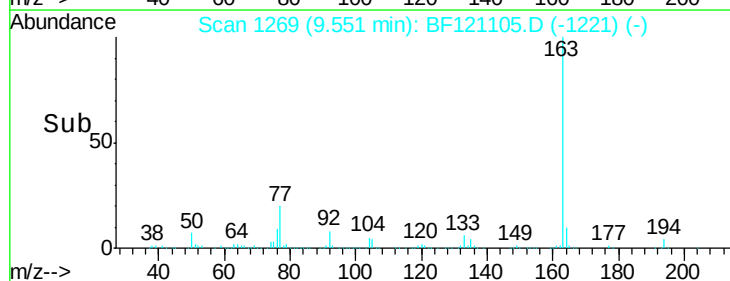
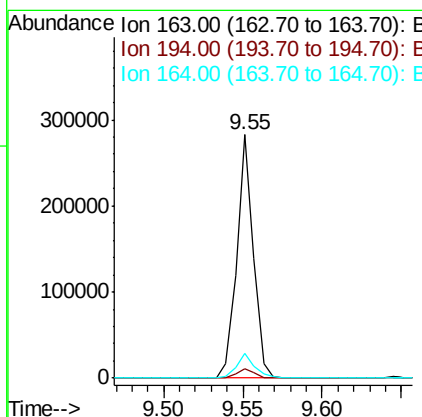
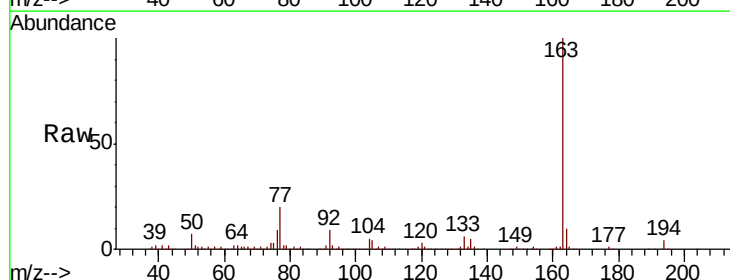
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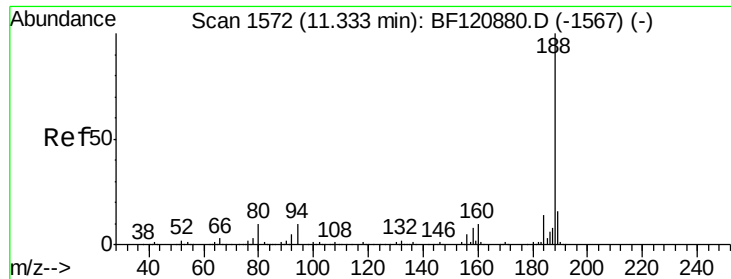
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#50
 Dimethylphthalate
 Concen: 8.960 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF121105.D
 Acq: 29 Jul 2020 16:52

Tgt Ion:	163	Resp:	203868
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.4
164	10.1	8.4	12.6





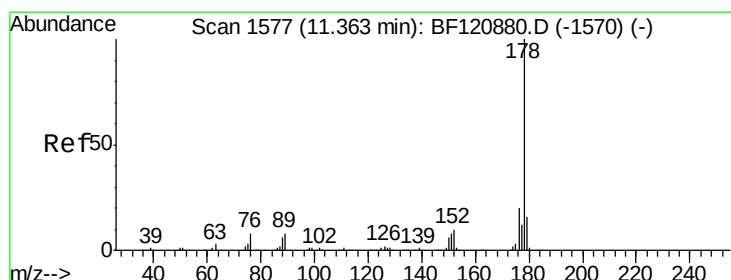
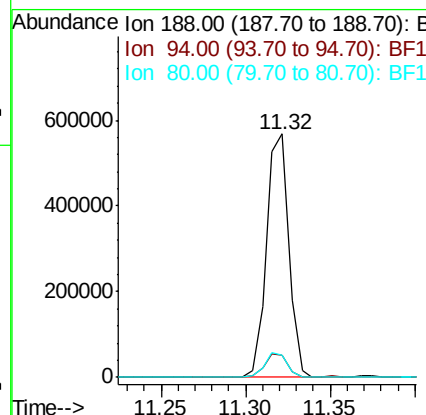
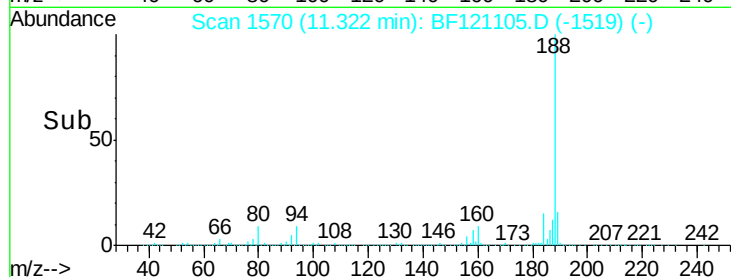
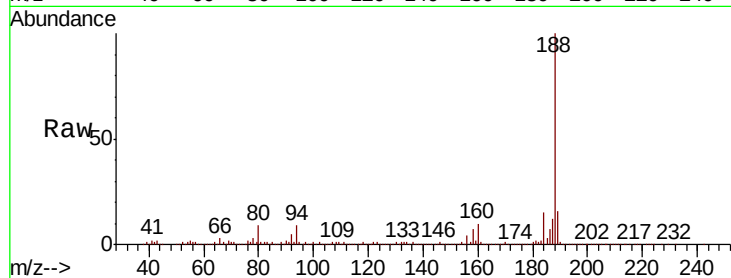
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Instrument :
BNA_F
ClientSampleId :
TS2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.0	8.3	12.5

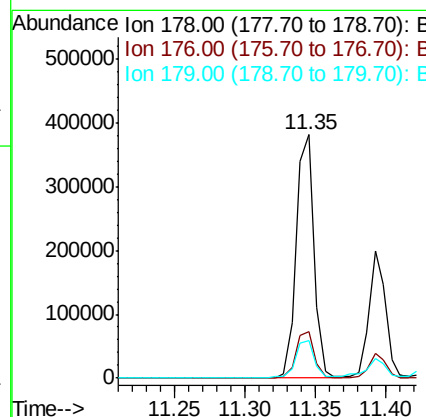
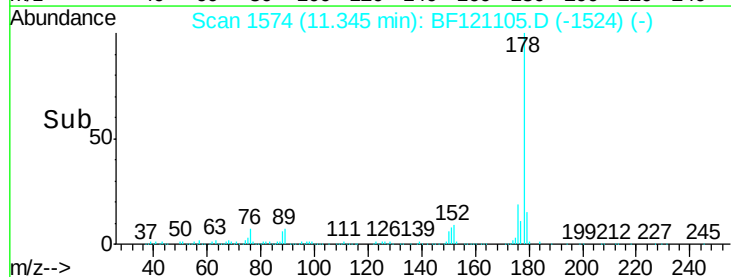
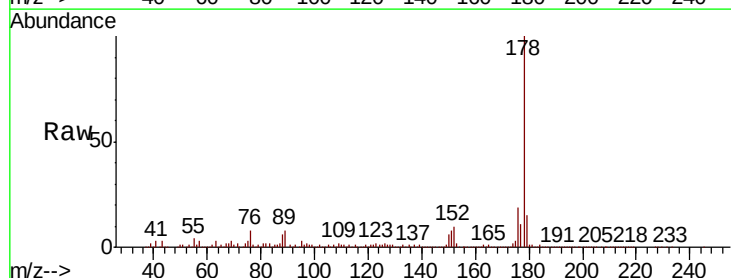
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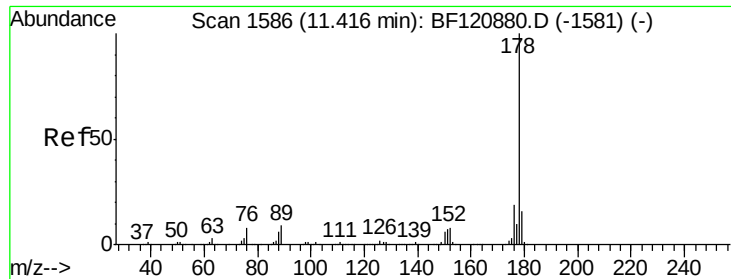
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#71
Phenanthrene
Concen: 12.350 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.2
179	15.5	12.6	19.0





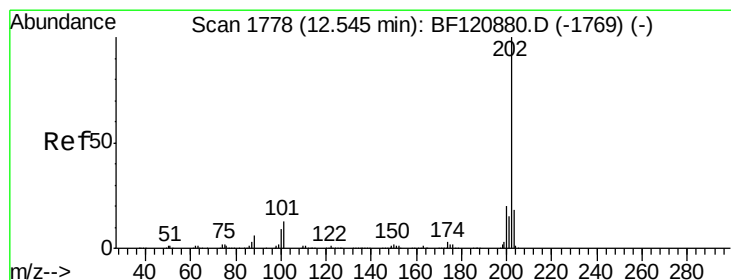
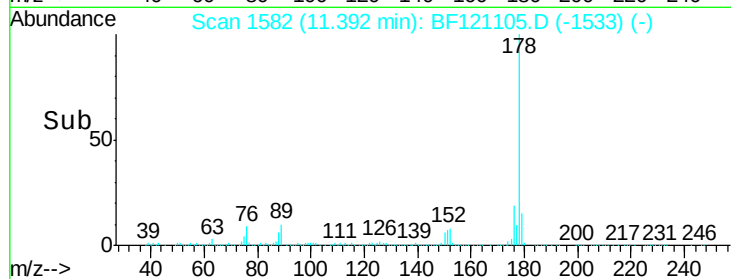
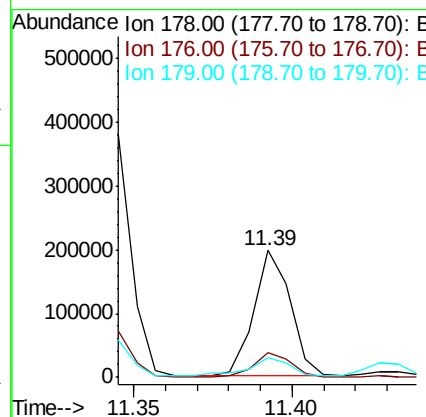
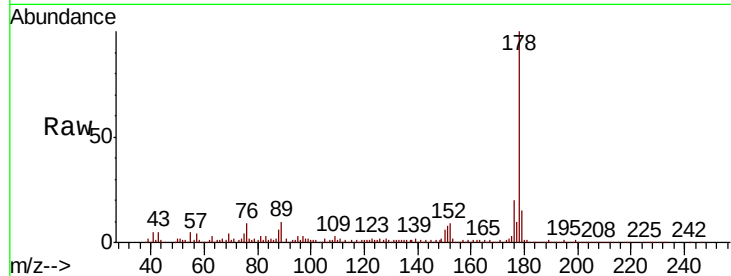
#72
 Anthracene
 Concen: 5.848 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF121105.D
 Acq: 29 Jul 2020 16:52

Instrument :
 BNA_F
 ClientSampled :
 TS2

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.5	15.8	23.8	
179	15.5	12.6	19.0	

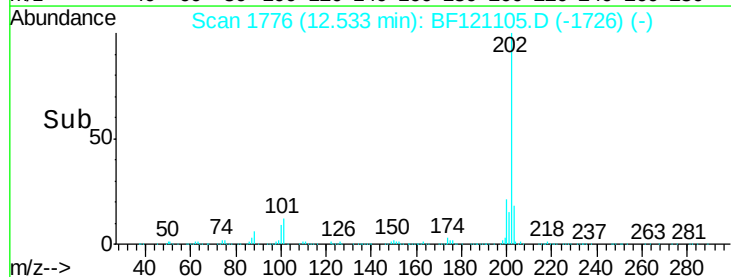
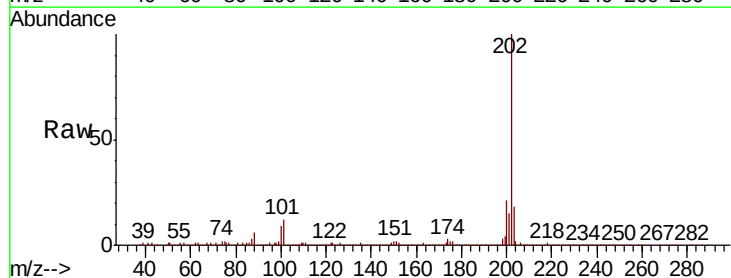
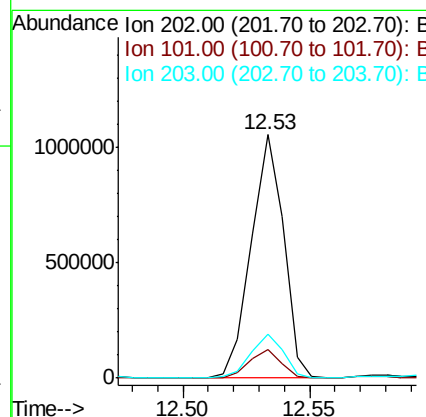
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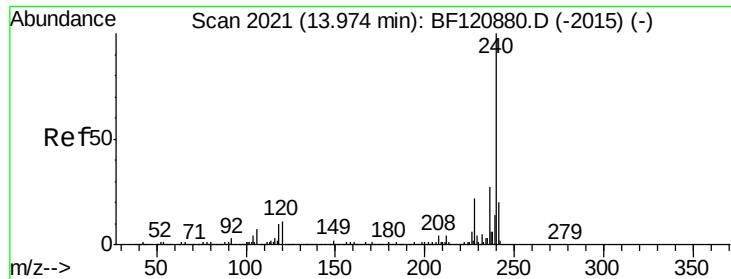
mohammad
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#75
 Fluoranthene
 Concen: 31.618 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF121105.D
 Acq: 29 Jul 2020 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	11.7	0.0	30.5	
203	18.1	0.0	37.7	





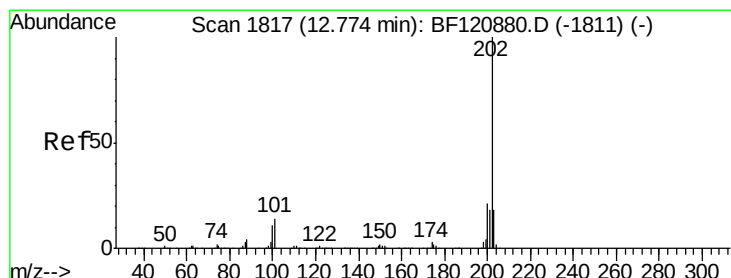
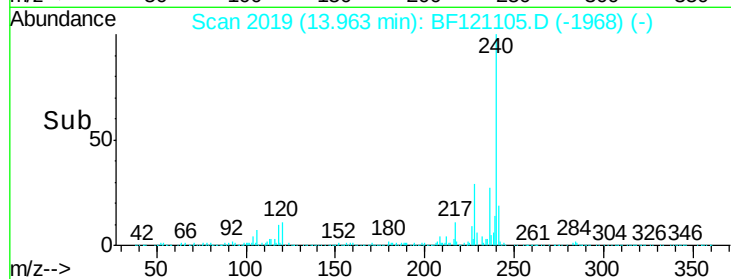
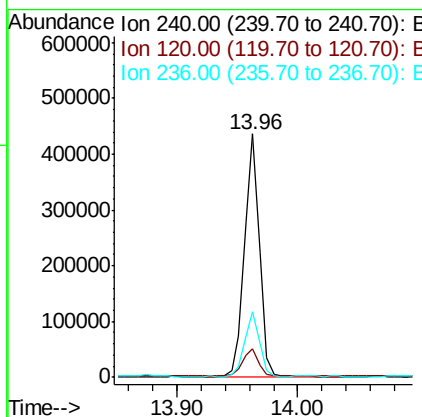
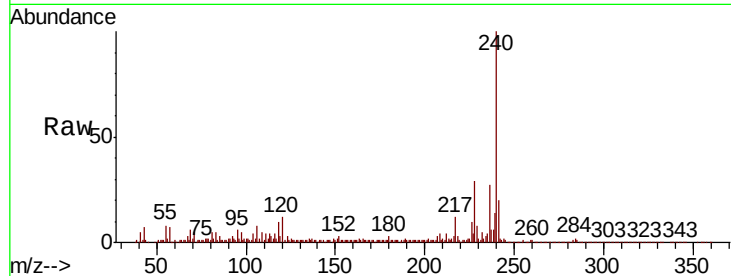
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Instrument :
BNA_F
ClientSampleId :
TS2

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.3	13.9
236	27.1	21.1	31.7

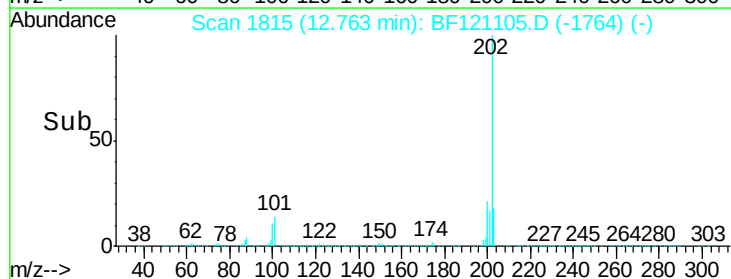
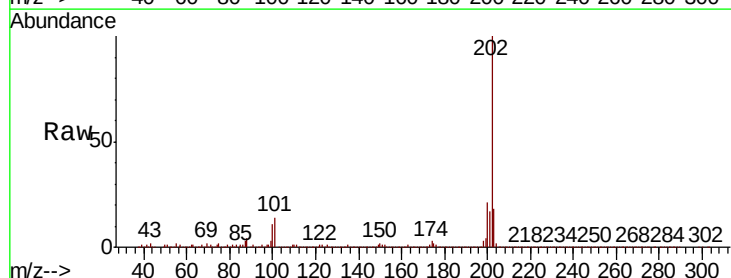
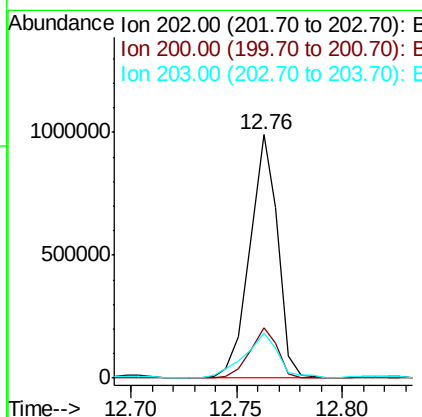
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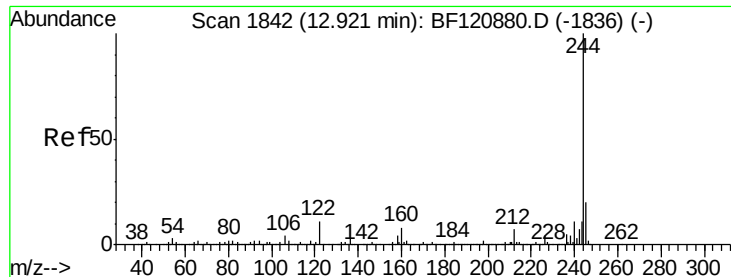
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#78
Pyrene
Concen: 34.150 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.6
203	18.3	14.6	21.8





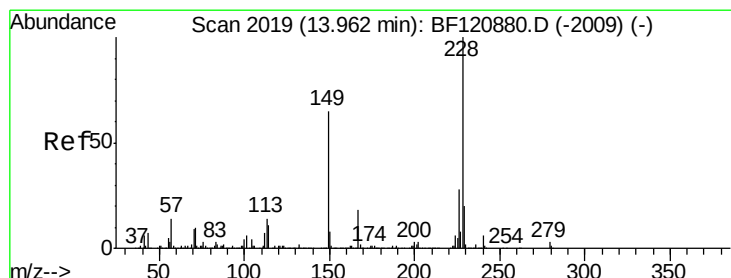
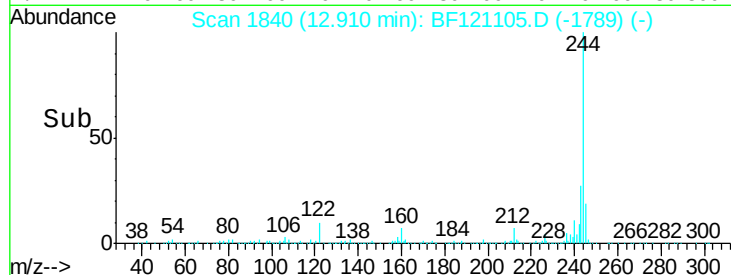
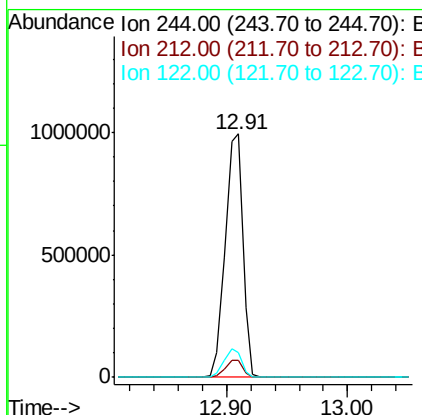
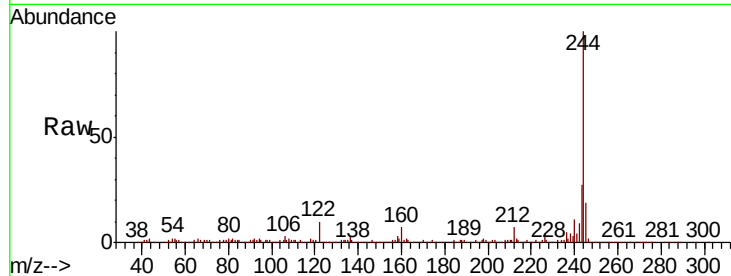
#79
 Terphenyl-d14
 Concen: 58.392 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF121105.D
 Acq: 29 Jul 2020 16:52

Instrument :
 BNA_F
 ClientSampled :
 TS2

Tot Ion:244 Resp: 1009744
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.4 8.3 12.5

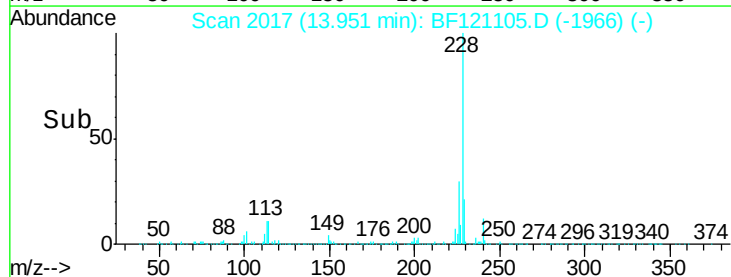
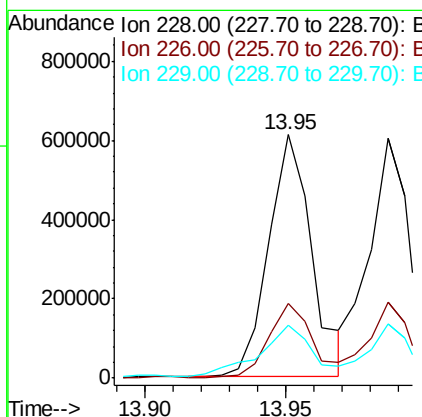
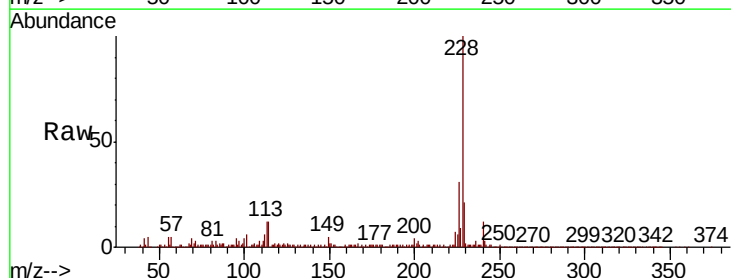
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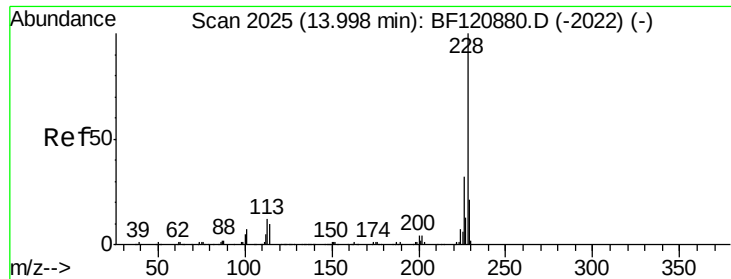
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#81
 Benzo(a)anthracene
 Concen: 28.642 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF121105.D
 Acq: 29 Jul 2020 16:52

Tgt Ion:228 Resp: 651979
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 34.0
 229 21.5 16.1 24.1





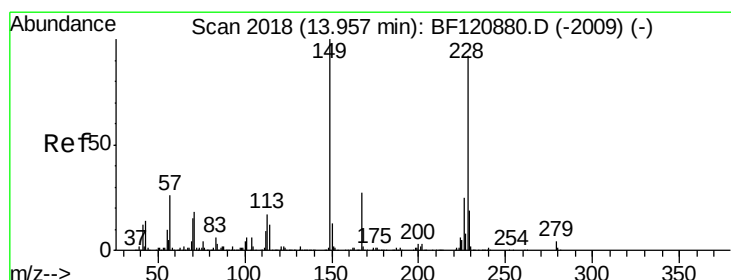
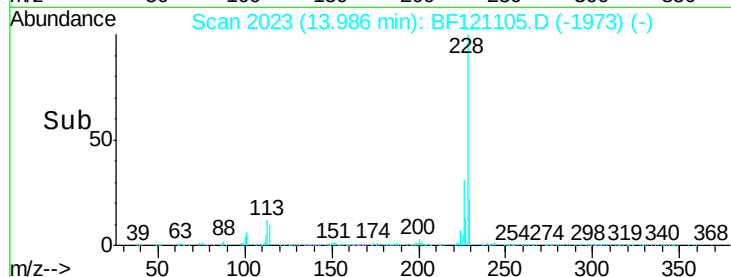
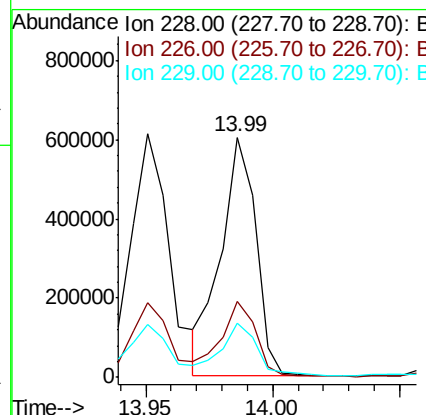
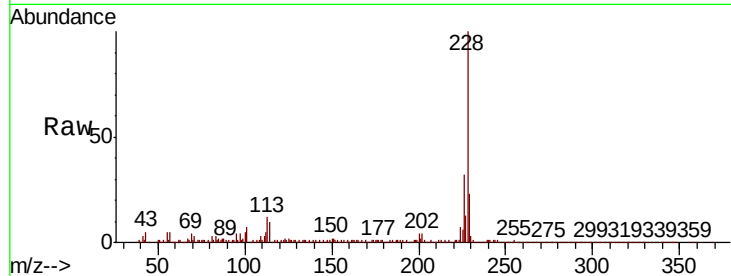
#83
Chrysene
Concen: 24.412 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Instrument :
BNA_F
ClientSampled :
TS2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.0
229	22.7	16.2	24.4

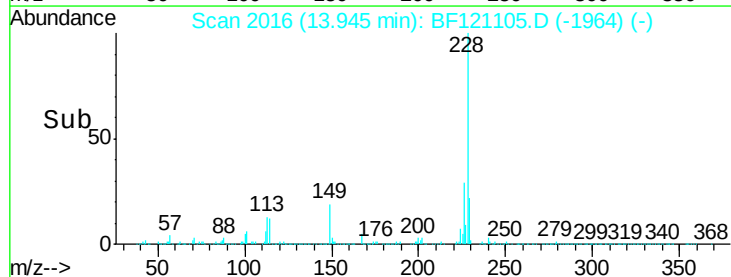
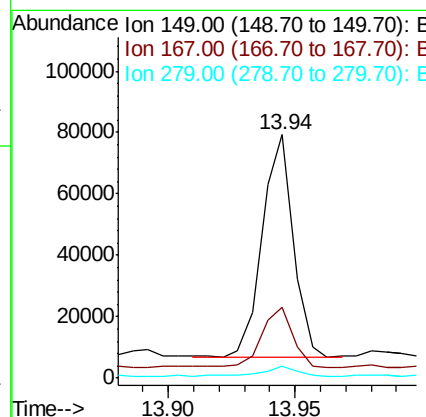
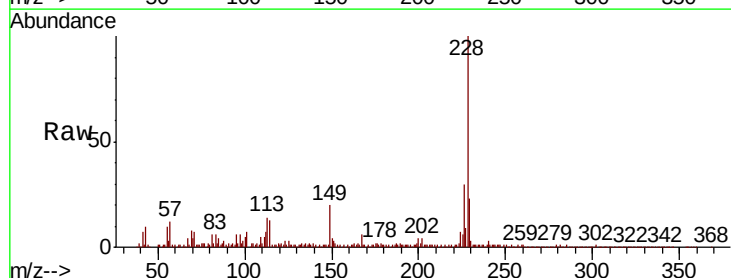
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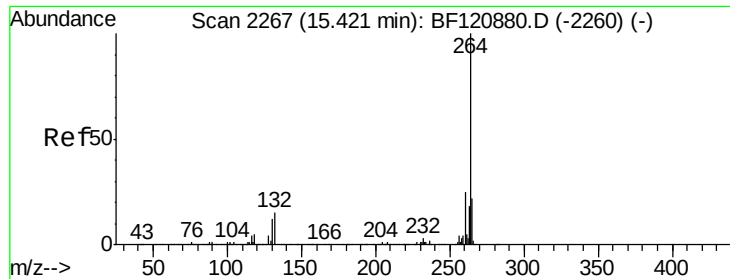
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.256 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.1	21.8	32.6
279	4.8	2.9	4.3#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BF121105.D

Acq: 29 Jul 2020 16:52

Instrument :

BNA_F

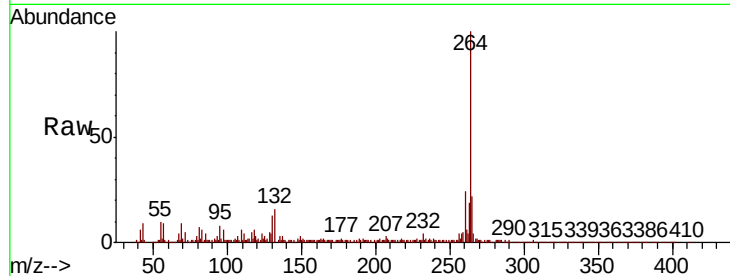
ClientSampleId :

TS2

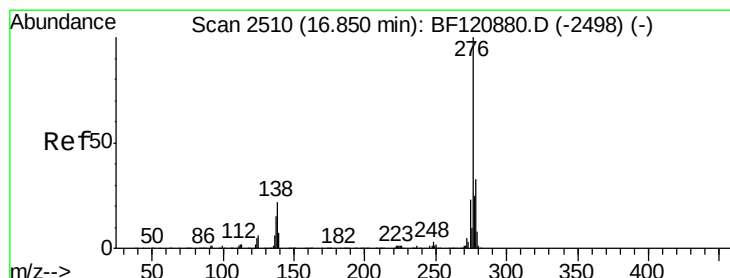
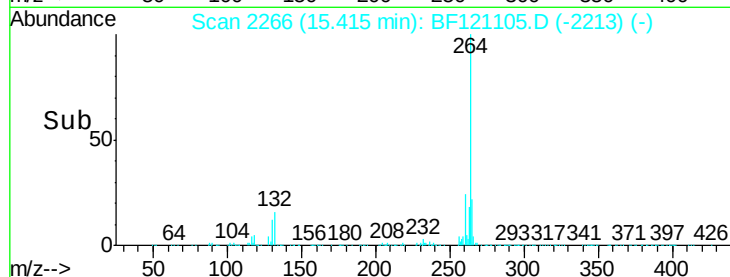
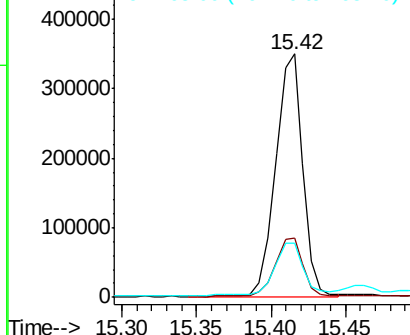
Tot Ion:	264	Resp:	442080
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.9	29.9
265	22.4	17.8	26.8

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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: 11.139 ng

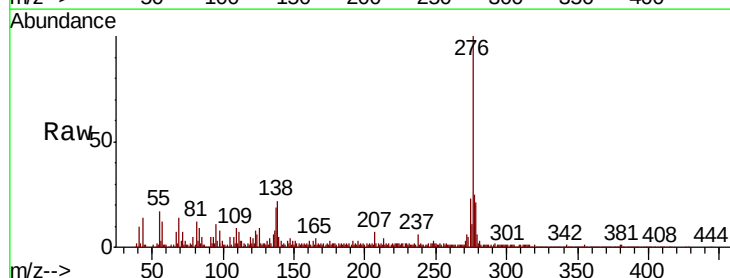
RT: 16.84 min Scan# 2508

Delta R.T. 0.01 min

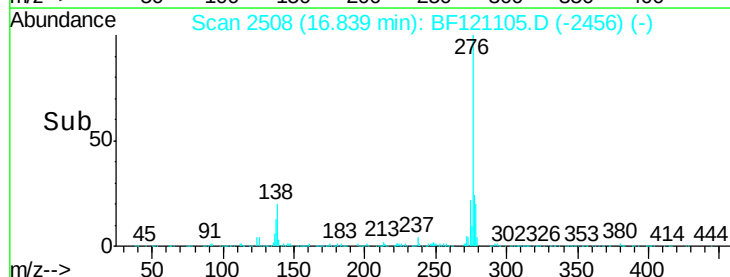
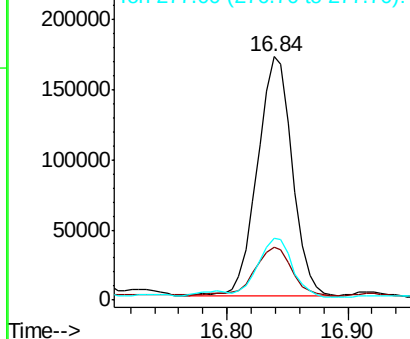
Lab File: BF121105.D

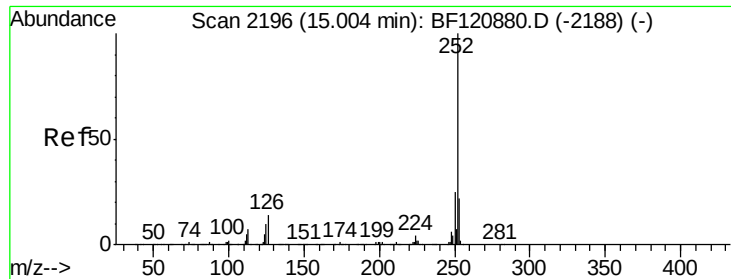
Acq: 29 Jul 2020 16:52

Tgt Ion:	276	Resp:	342463
Ion Ratio	Lower	Upper	
276	100		
138	21.6	19.3	28.9
277	24.7	20.1	30.1



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





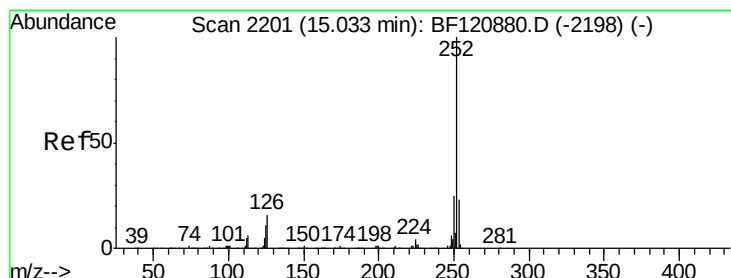
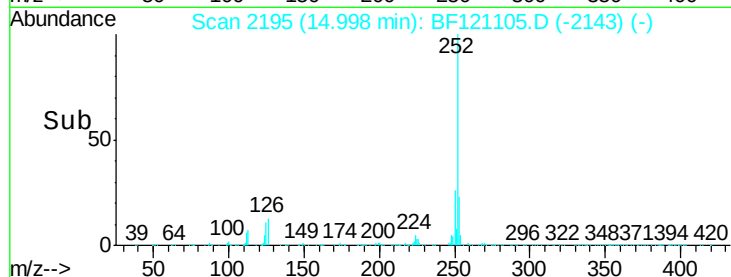
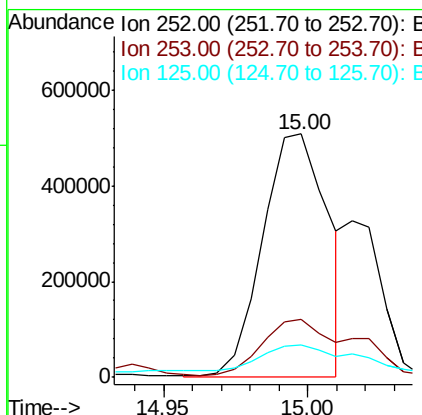
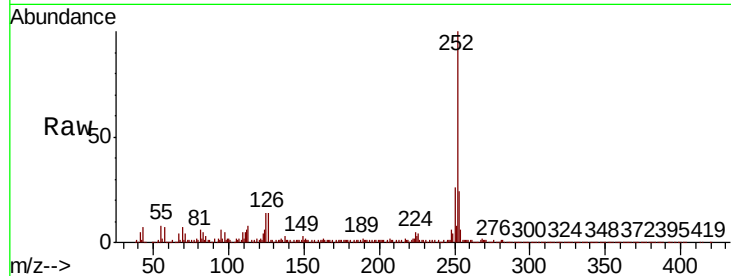
#88
Benzo(b)fluoranthene
Concen: 30.056 ng m
RT: 15.00 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Instrument :
BNA_F
ClientSampleId :
TS2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.5	8.1	12.1

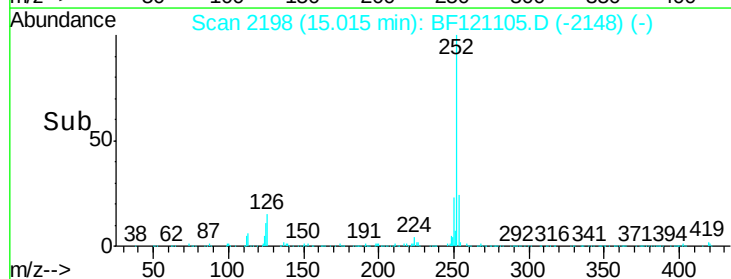
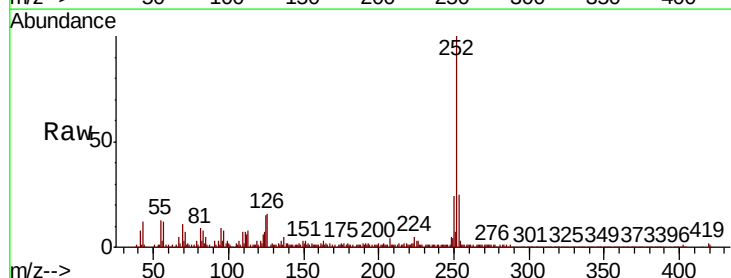
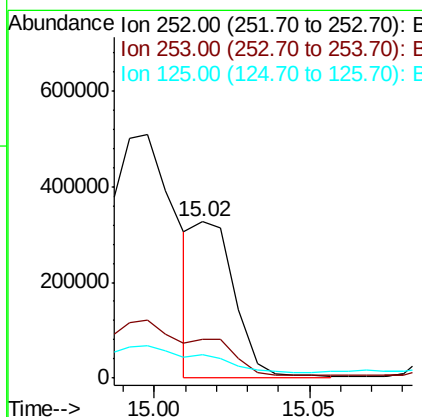
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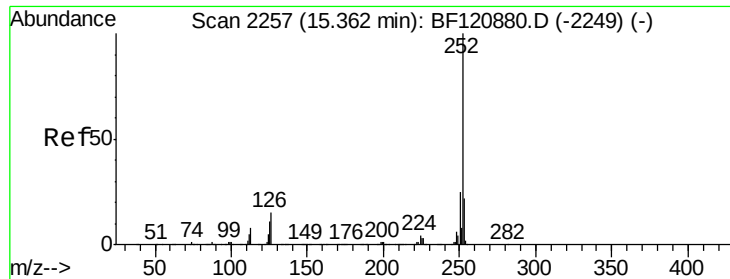
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#89
Benzo(k)fluoranthene
Concen: 12.064 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	14.8	8.0	12.0





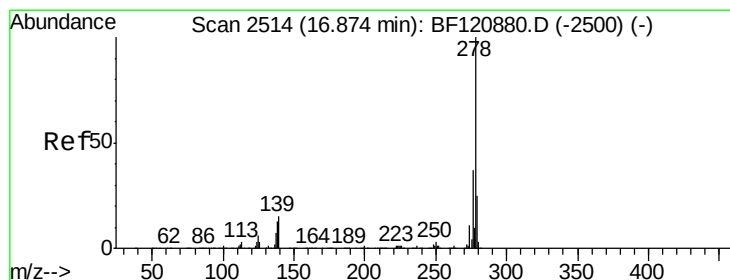
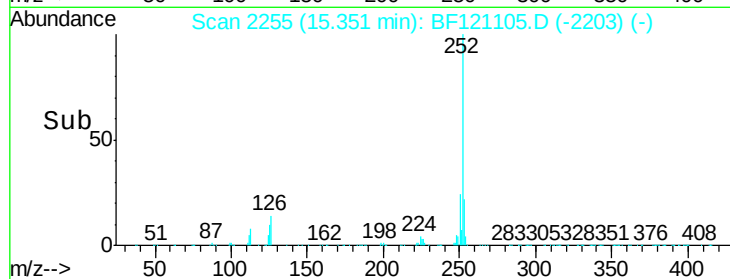
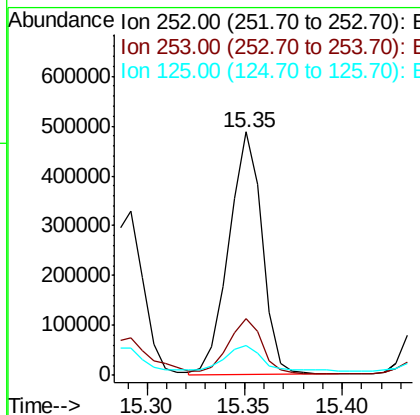
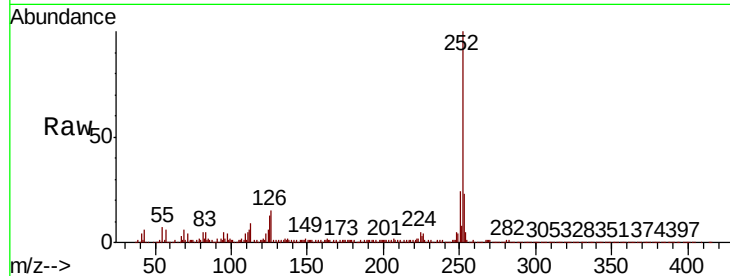
#90
Benzo(a)pyrene
Concen: 23.442 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Instrument :
BNA_F
ClientSampled :
TS2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.5	9.5	14.3

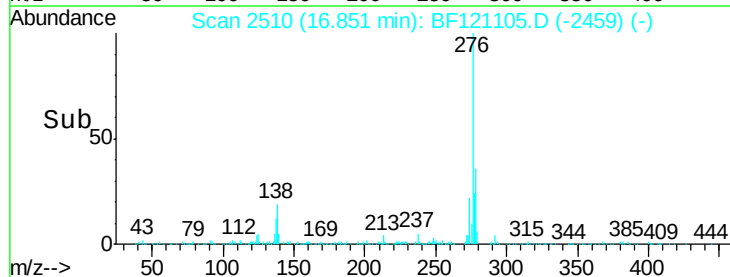
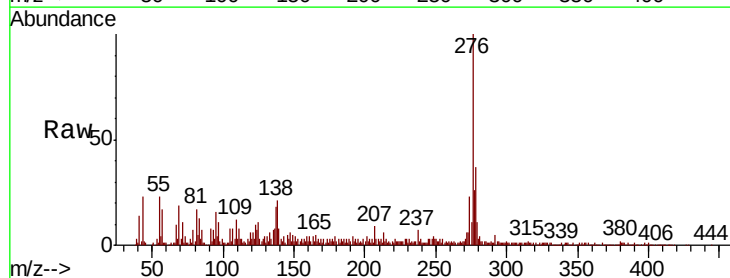
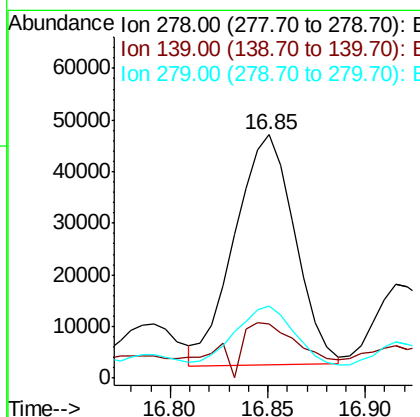
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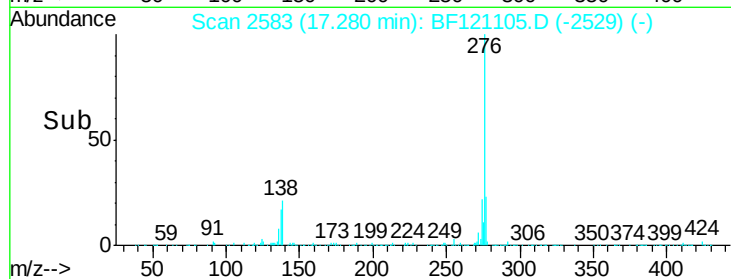
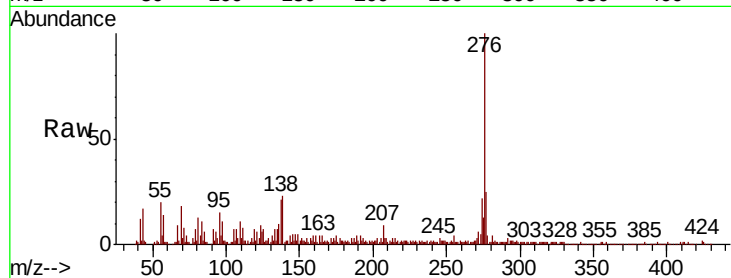
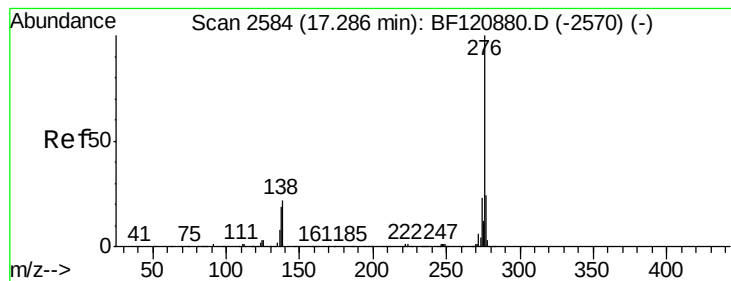
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#91
Dibenzo(a,h)anthracene
Concen: 3.789 ng
RT: 16.85 min Scan# 2510
Delta R.T. 0.00 min
Lab File: BF121105.D
Acq: 29 Jul 2020 16:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.3	12.6	18.8#
279	29.4	19.5	29.3#





#92

Benzo(a,h,i)perylene

Concen: 12.380 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.02 min

Lab File: BF121105.D

Acq: 29 Jul 2020 16:52

Tot Ion:	276	Resp:	306550
Ion Ratio		Lower	Upper
276	100		
277	24.9	19.4	29.0
138	22.8	17.2	25.8

Instrument :

BNA_F

ClientSampleId :

TS2

Manual Integrations
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