

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120276.D
 Acq On : 1 May 2020 23:32
 Operator : MA/SJ
 Sample : L2376-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
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mohammad
 5/4/2020 3:45:49 PM

Quant Time: May 02 03:37:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	39002	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	139869	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	63517	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	115098	20.00	ng	0.00
76) Chrysene-d12	13.81	240	100547	20.00	ng	-0.02
87) Perylene-d12	15.22	264	98048	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	129869	57.55	ng	0.00
7) Phenol-d6	6.30	99	149070	51.26	ng	-0.01
23) Nitrobenzene-d5	7.21	82	84873	31.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.48	330	29726	38.22	ng	-0.01
45) 2-Fluorobiphenyl	9.01	172	192452	43.02	ng	-0.01
79) Terphenyl-d14	12.76	244	187188	31.33	ng	-0.01
Target Compounds						
49) Acenaphthylene	9.55	152	33079	5.267	ng	Qvalue 95
50) Dimethylphthalate	9.41	163	16816	3.423	ng	98
71) Phenanthrene	11.20	178	77520	12.655	ng	95
72) Anthracene	11.25	178	25118	4.014	ng	98
75) Fluoranthene	12.39	202	148690	22.496	ng	95
78) Pyrene	12.62	202	151868	17.917	ng	97
81) Benzo(a)anthracene	13.80	228	85037m	12.856	ng	
83) Chrysene	13.84	228	85758	12.760	ng	95
86) Indeno(1,2,3-cd)pyrene	16.56	276	41707	7.040	ng	96
88) Benzo(b)fluoranthene	14.82	252	97983m	13.892	ng	
89) Benzo(k)fluoranthene	14.84	252	32281m	5.304	ng	
90) Benzo(a)pyrene	15.16	252	80297	13.540	ng	98
91) Dibenzo(a,h)anthracene	16.57	278	11938	2.273	ng	# 69
92) Benzo(g,h,i)perylene	16.97	276	42873	8.268	ng	97

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

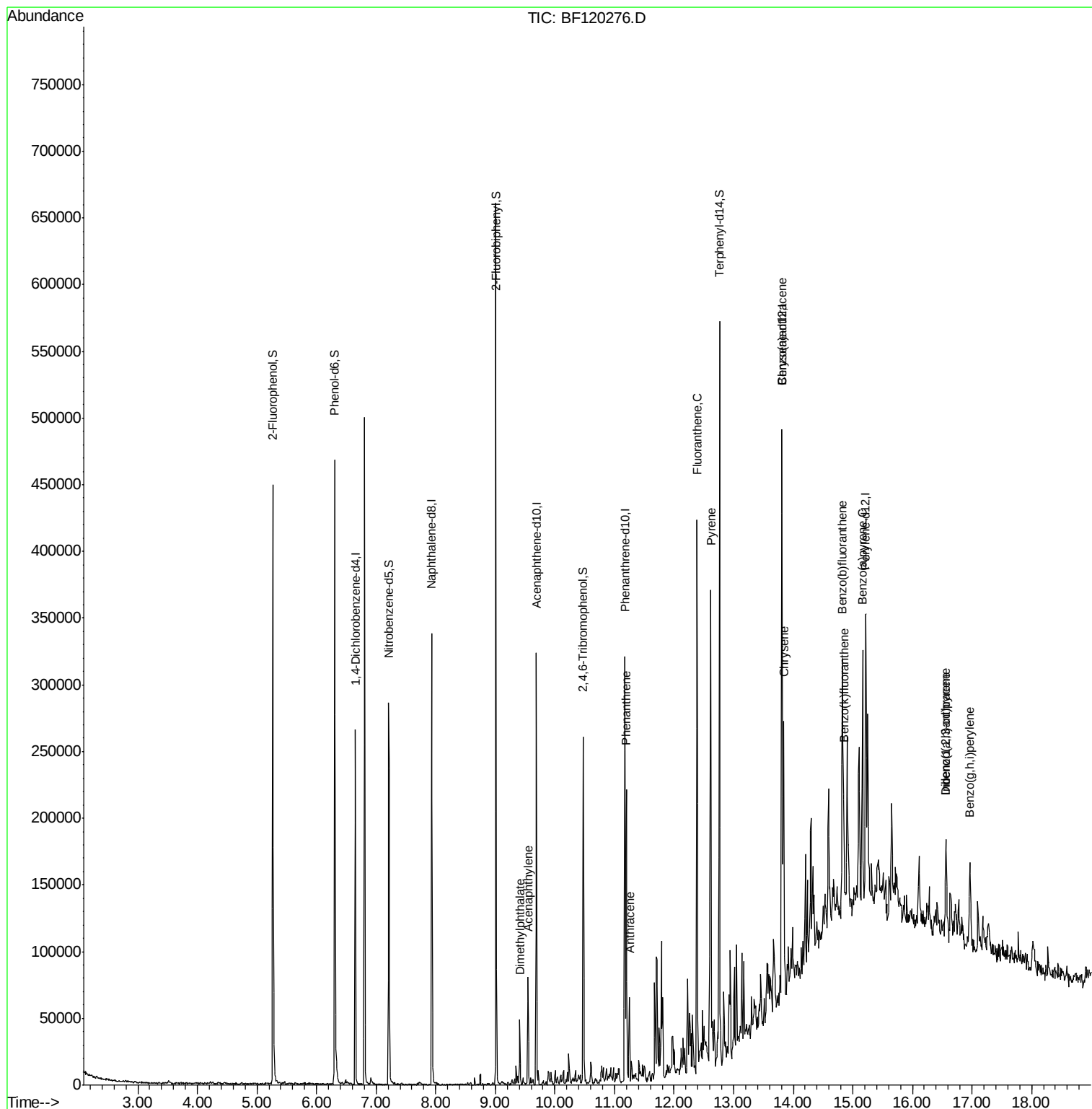
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
Data File : BF120276.D
Acq On : 1 May 2020 23:32
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#1

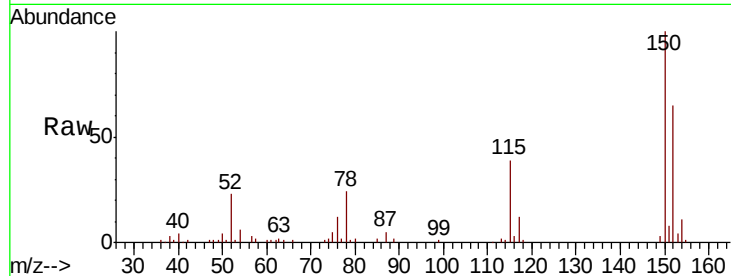
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120276.D
Acq: 1 May 2020 23:32

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.5	186.7
115	59.8	49.6	74.4

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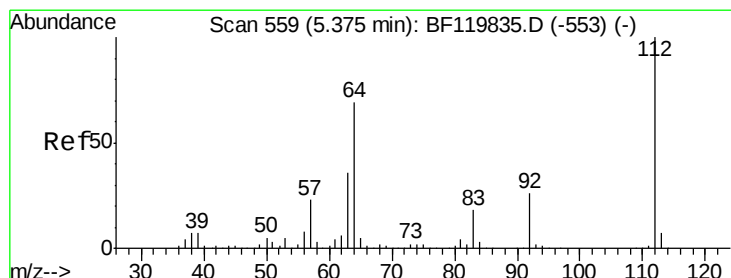
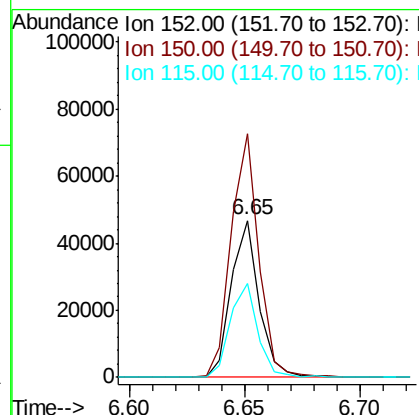
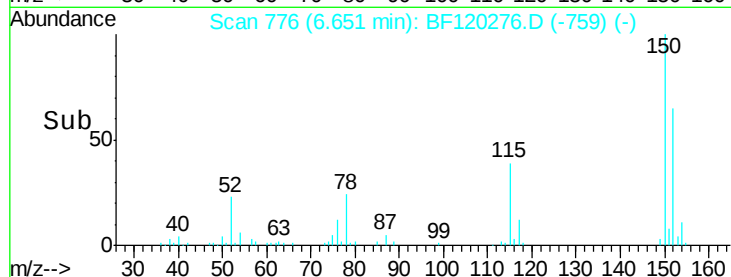


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

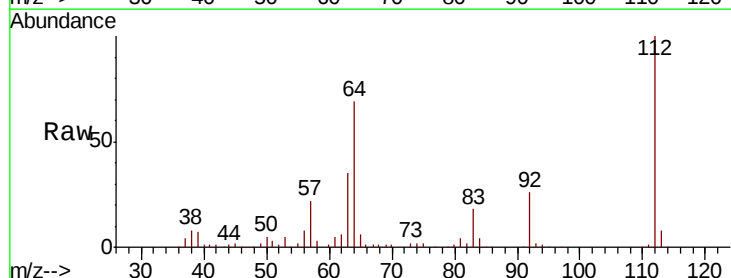
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 57.545 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF120276.D
Acq: 1 May 2020 23:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	56.7	85.1
63	34.9	29.5	44.3

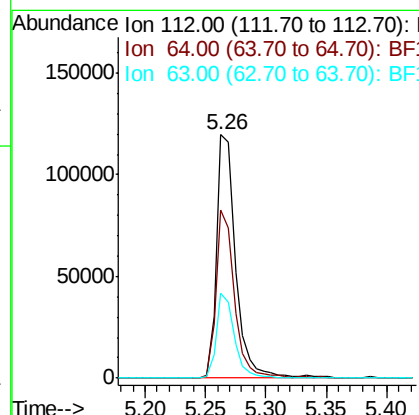
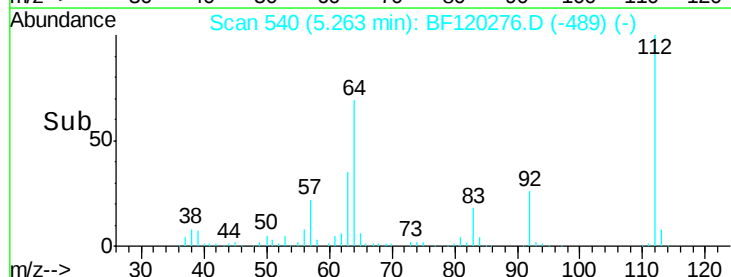


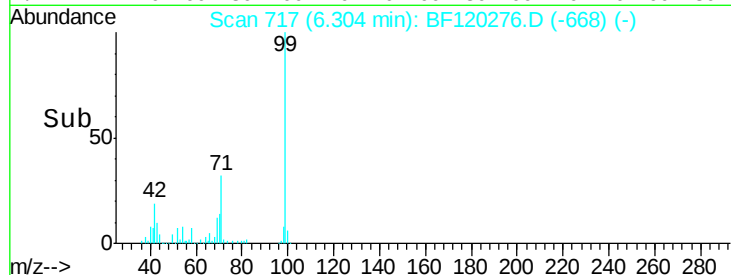
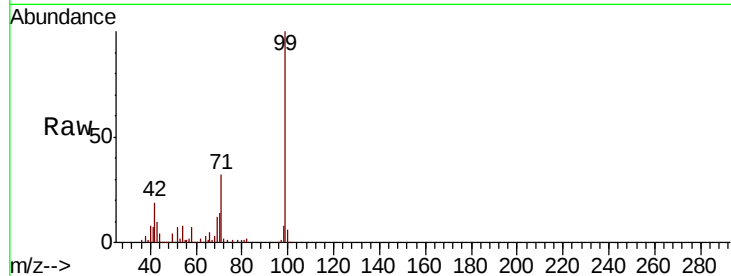
Abundance

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: 51.262 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120276.D

Acq: 1 May 2020 23:32

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		149070		
42	19.4	16.6	24.8		
71	32.1	26.4	39.6		

Instrument :

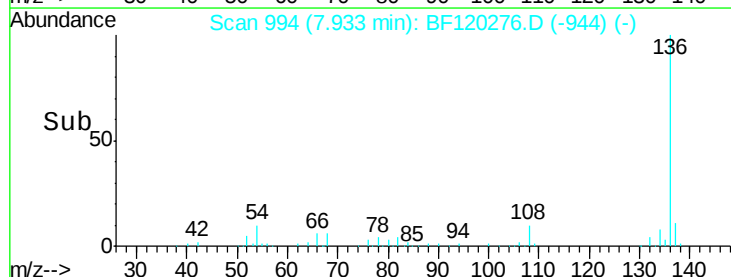
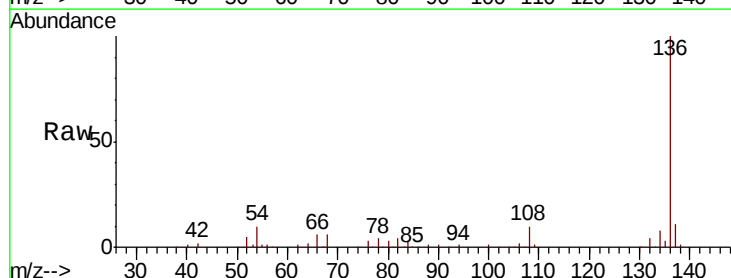
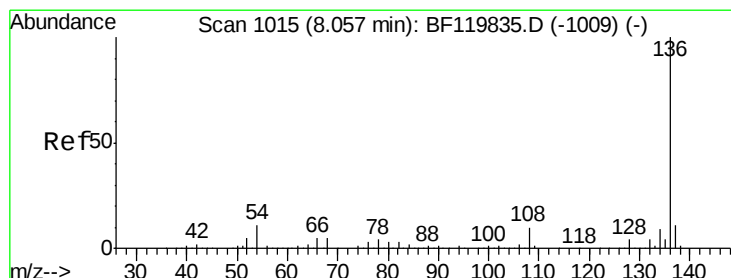
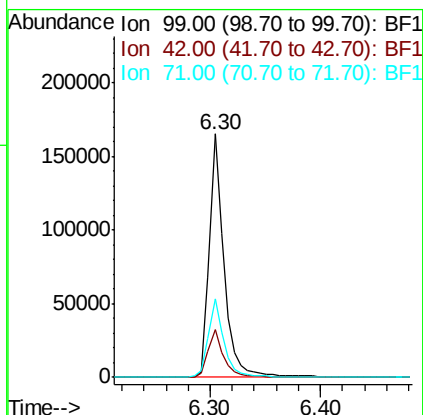
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

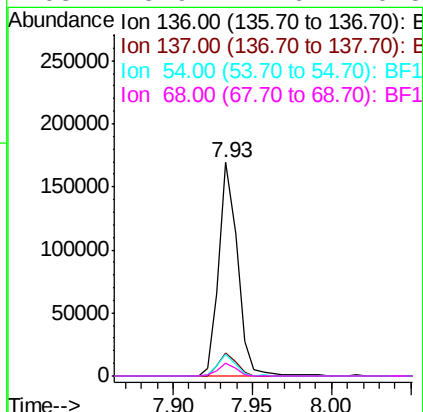
RT: 7.93 min Scan# 994

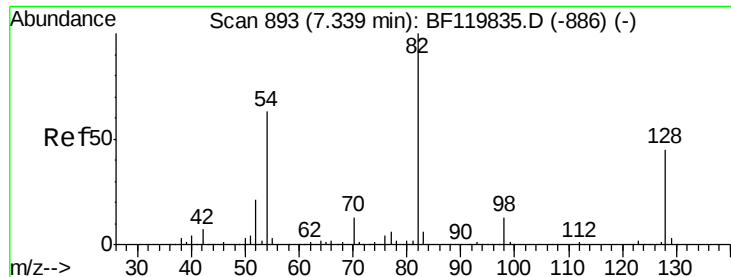
Delta R.T. -0.01 min

Lab File: BF120276.D

Acq: 1 May 2020 23:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		139869		
137	10.9	8.7	13.1		
54	10.0	9.1	13.7		
68	5.9	4.6	6.8		





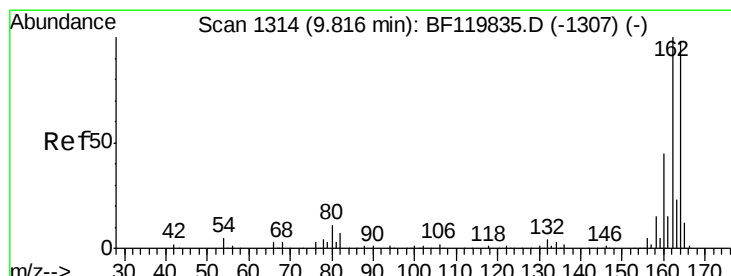
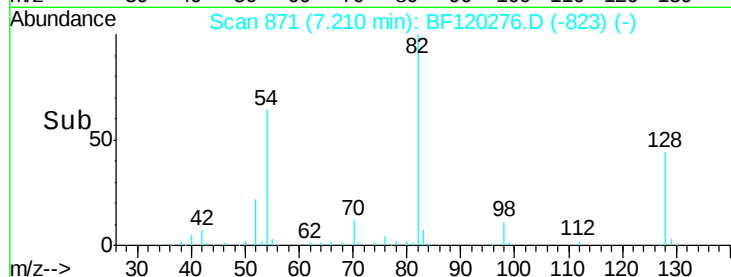
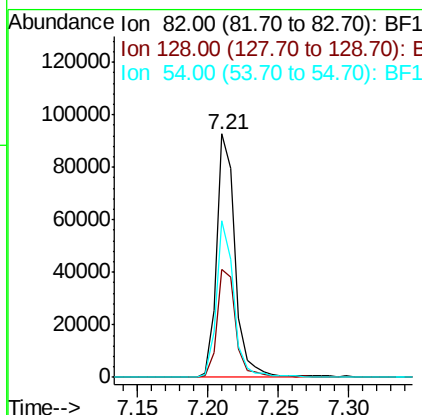
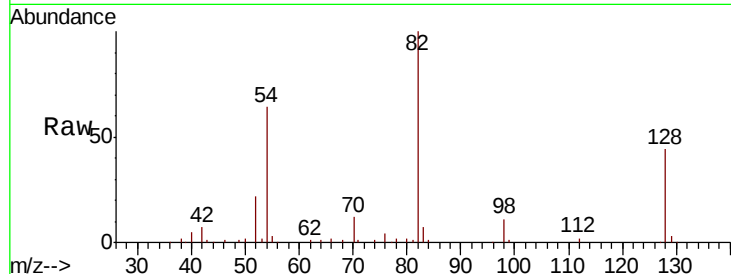
#23
 Nitrobenzene-d5
 Concen: 31.392 ng
 RT: 7.21 min Scan# 871
 Delta R.T. -0.02 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.3	54.5
54	64.2	50.6	75.8

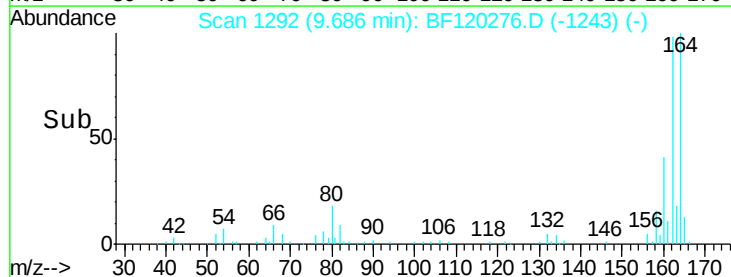
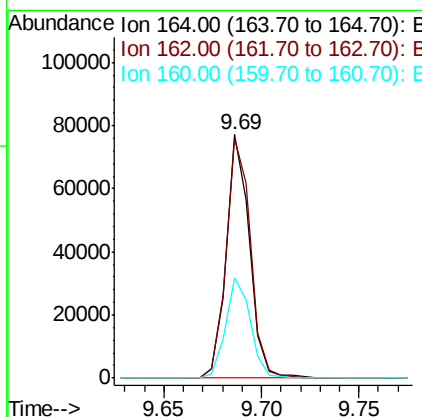
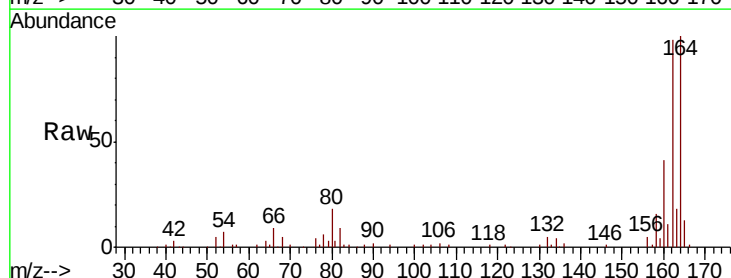
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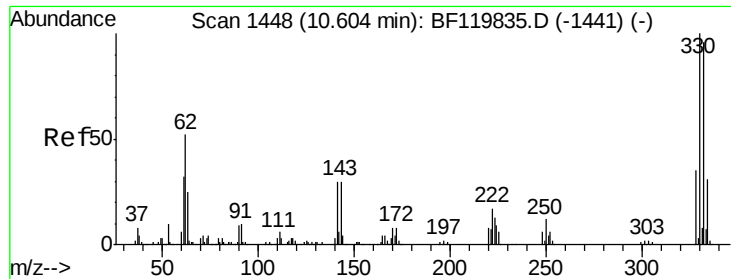
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	80.6	121.0
160	41.4	35.7	53.5





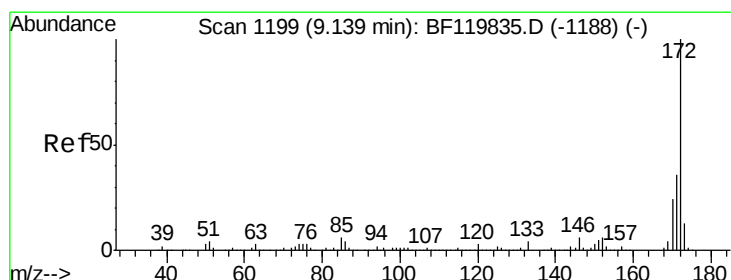
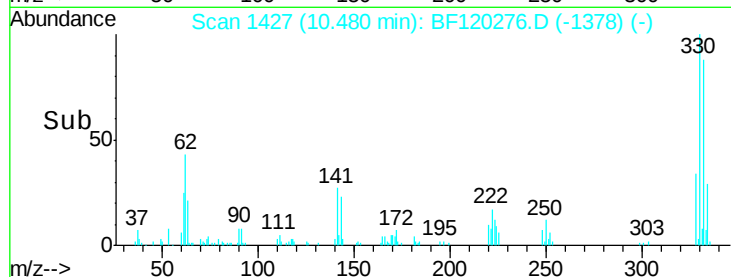
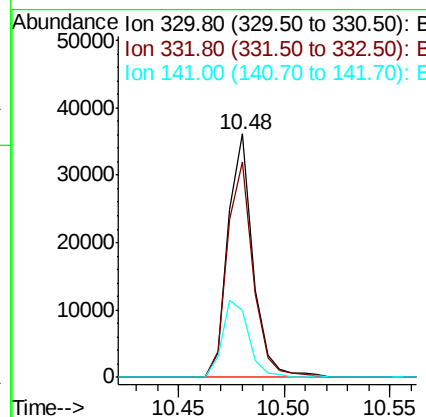
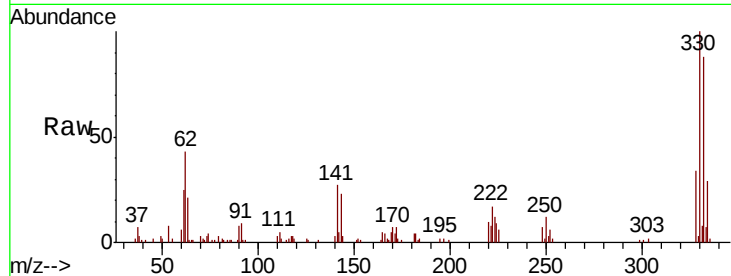
#42
 2,4,6-Tribromophenol
 Concen: 38.225 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	29726		
332	91.6		75.7	113.5
141	33.3		25.4	38.0

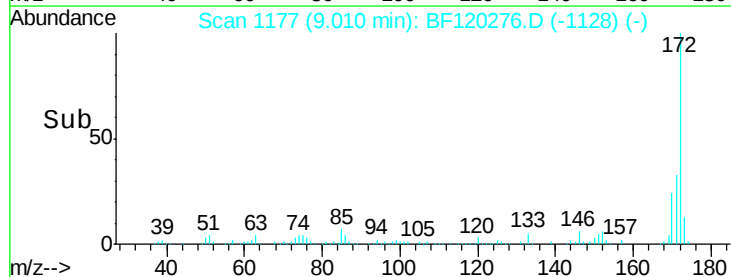
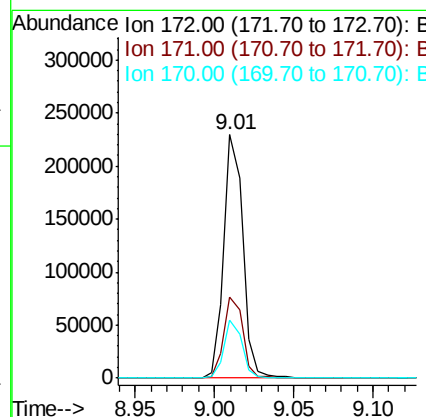
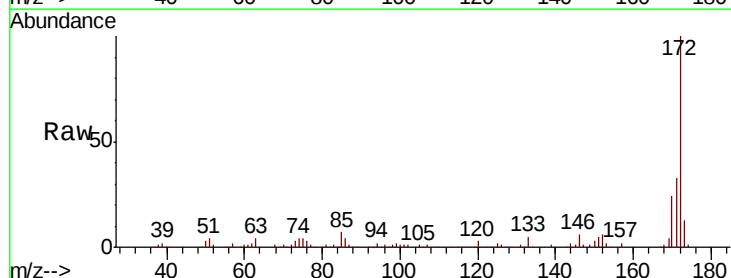
Manual Integrations
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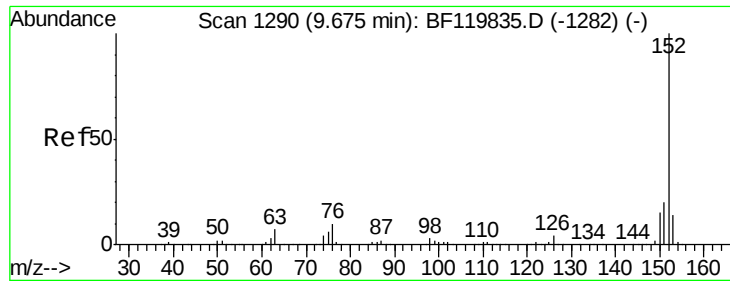
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#45
 2-Fluorobiphenyl
 Concen: 43.018 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	192452		
171	33.4		29.6	44.4
170	23.6		20.2	30.2





#49

Acenaphthylene

Concen: 5.267 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120276.D

Acq: 1 May 2020 23:32

Instrument :

BNA_F

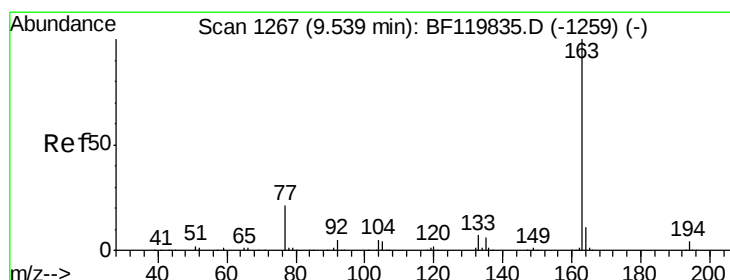
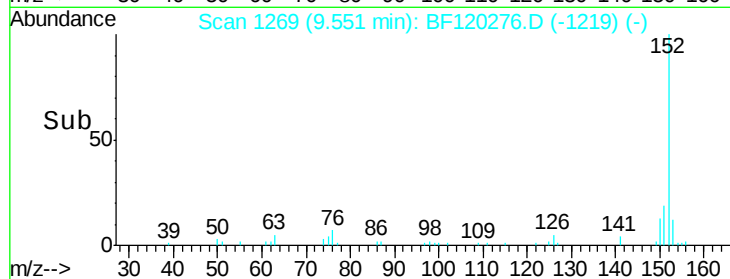
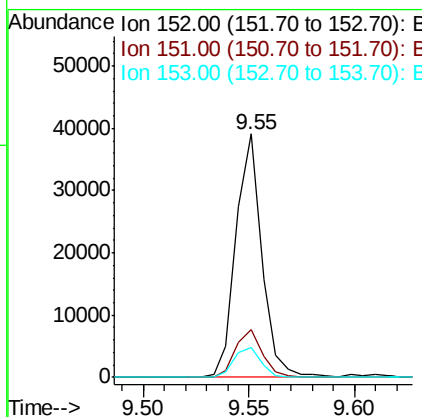
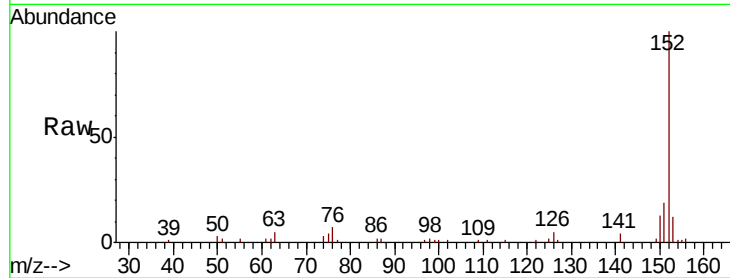
ClientSampled :

TP-3

Tot Ion:	152	Resp:	33079
Ion Ratio	Lower	Upper	
152	100		
151	19.4	17.2	25.8
153	12.0	11.2	16.8

Manual Integrations
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#50

Dimethylphthalate

Concen: 3.423 ng

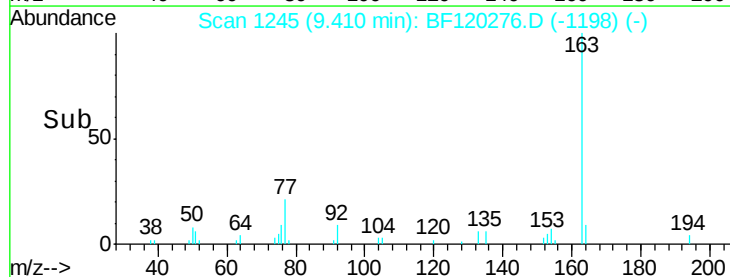
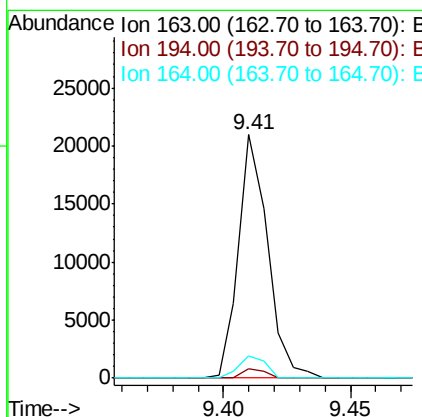
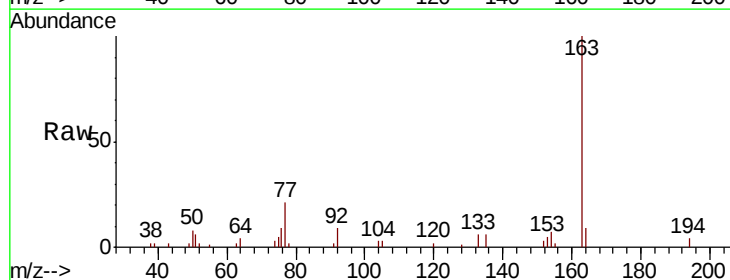
RT: 9.41 min Scan# 1245

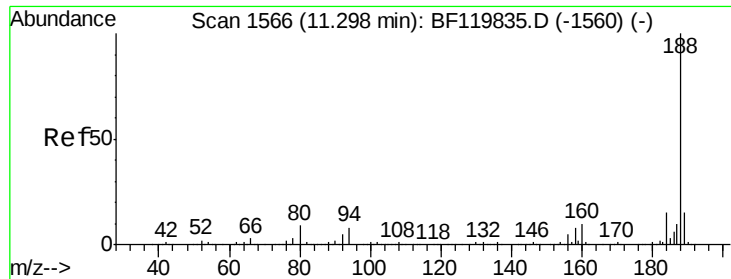
Delta R.T. -0.02 min

Lab File: BF120276.D

Acq: 1 May 2020 23:32

Tgt Ion:	163	Resp:	16816
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.1	4.7
164	9.4	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF120276.D

Acq: 1 May 2020 23:32

Instrument :

BNA_F

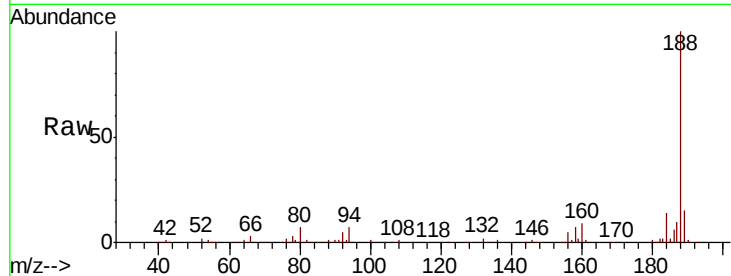
ClientSampled :

TP-3

Tot Ion:	188	Resp:	115098
Ion Ratio	Lower	Upper	
188	100		
94	7.4	7.5	11.3#
80	7.5	9.0	13.4#

Manual Integrations
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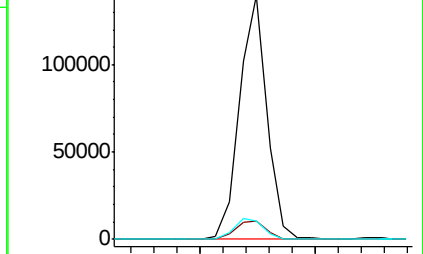
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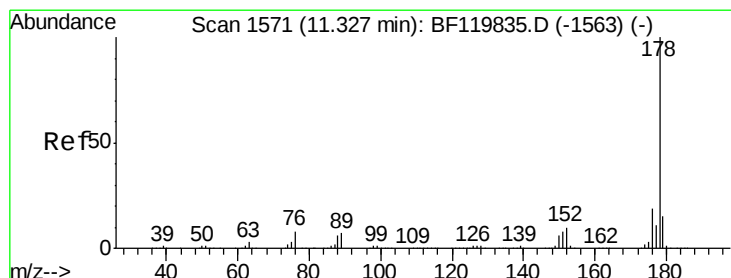
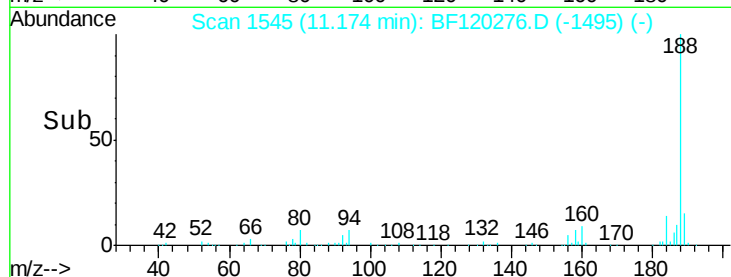
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#71

Phenanthrene

Concen: 12.655 ng

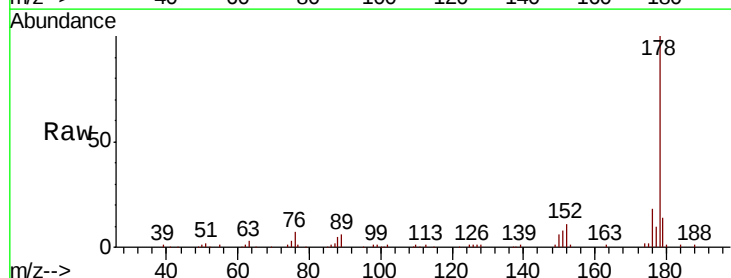
RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120276.D

Acq: 1 May 2020 23:32

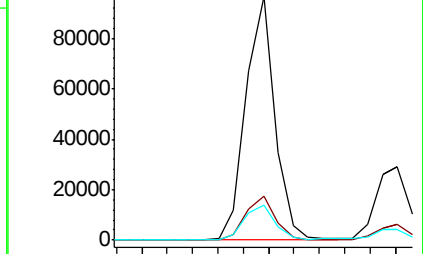
Tgt Ion:	178	Resp:	77520
Ion Ratio	Lower	Upper	
178	100		
176	17.8	16.2	24.4
179	14.3	13.2	19.8



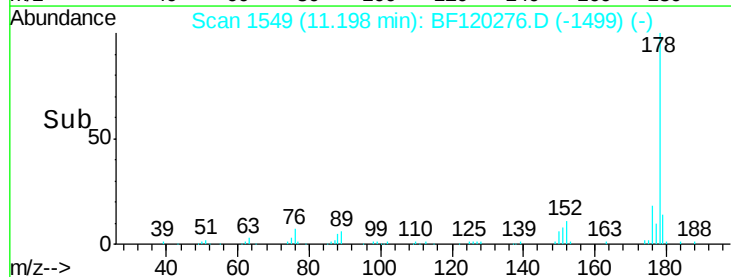
Abundance Ion 178.00 (177.70 to 178.70): E

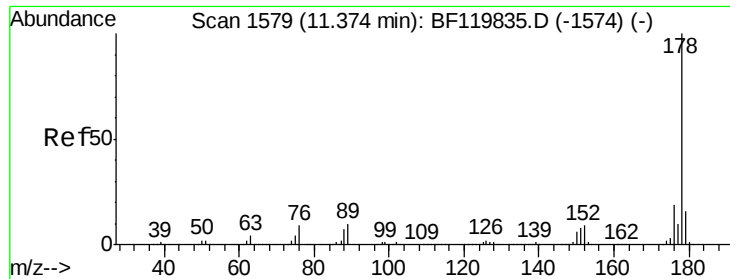
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





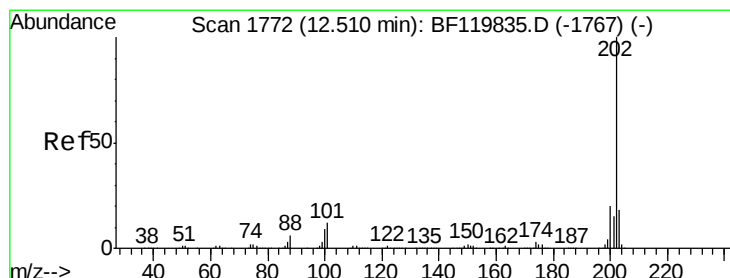
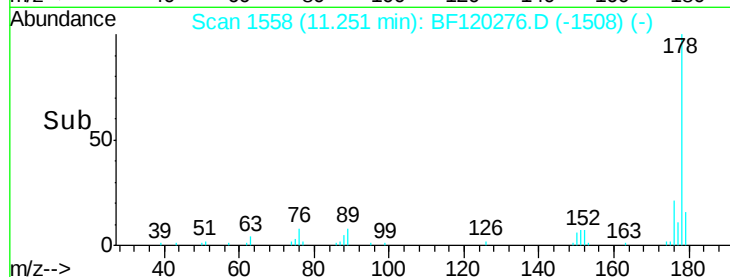
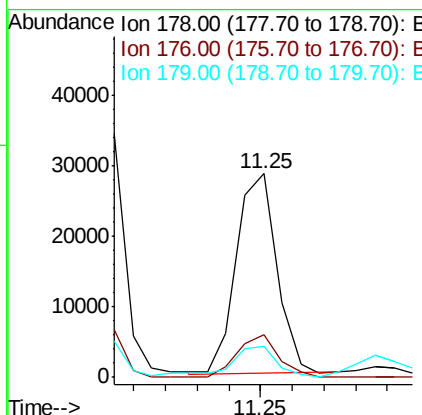
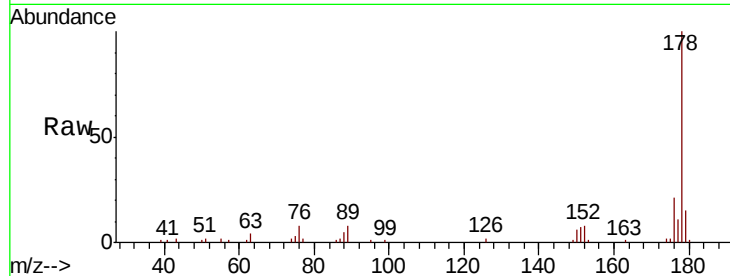
#72
 Anthracene
 Concen: 4.014 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.9	16.1	24.1
179	15.4	13.0	19.4

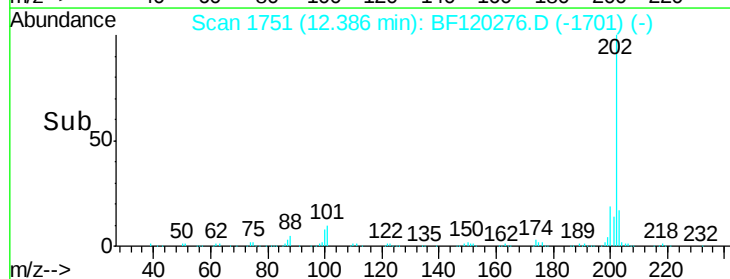
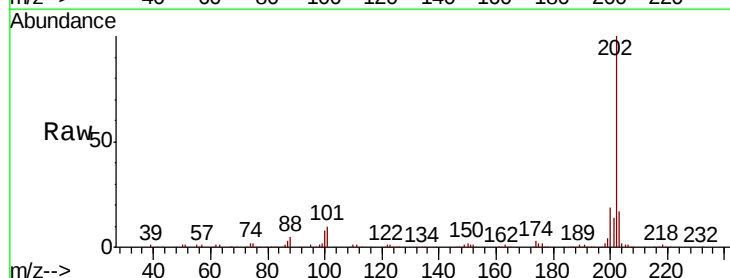
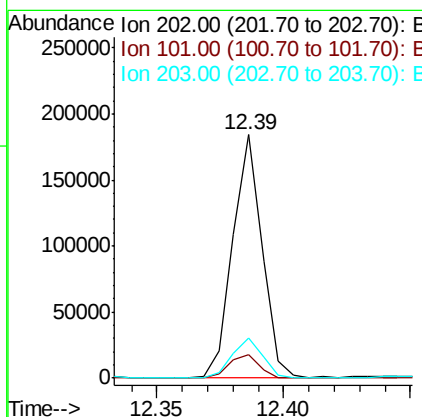
Manual Integrations
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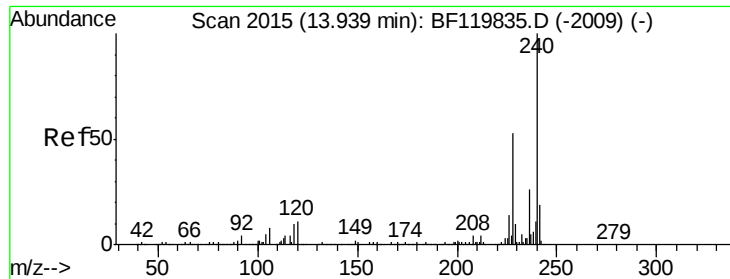
mohammad
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#75
 Fluoranthene
 Concen: 22.496 ng
 RT: 12.39 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	32.2
203	16.6	0.0	38.8





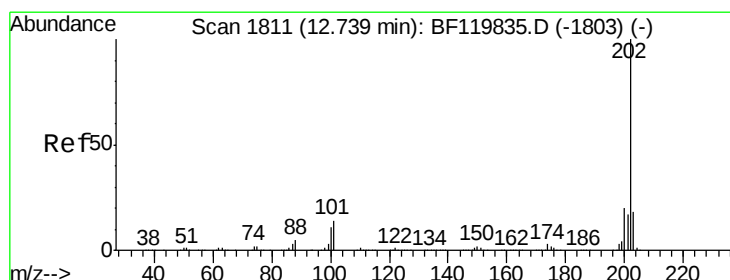
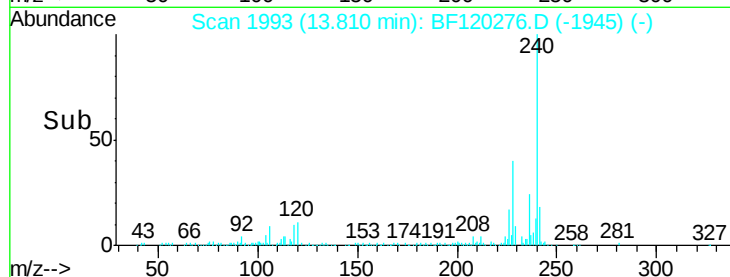
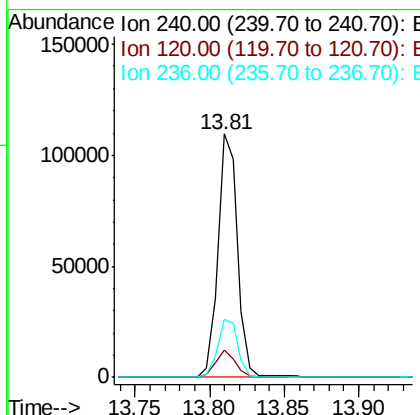
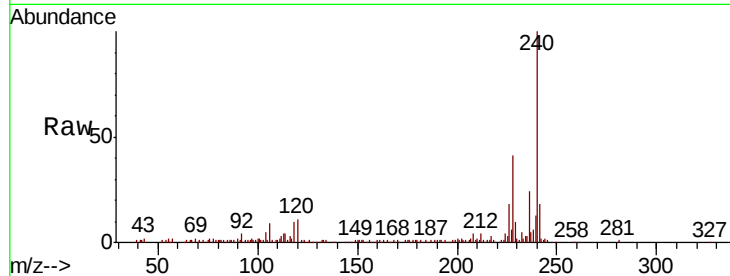
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF120276.D
Acq: 1 May 2020 23:32

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.6	15.8
236	24.0	20.2	30.2

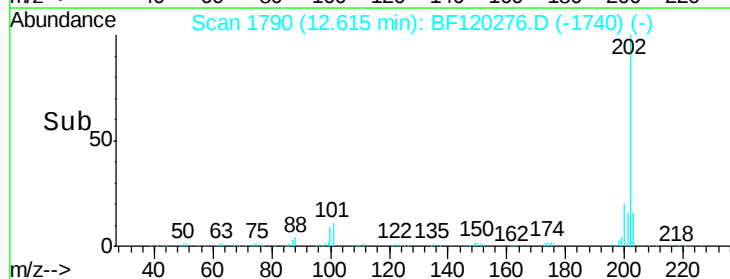
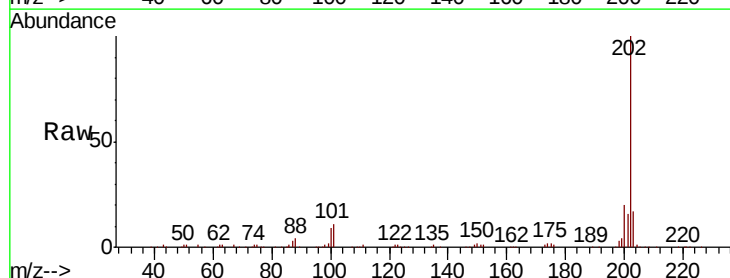
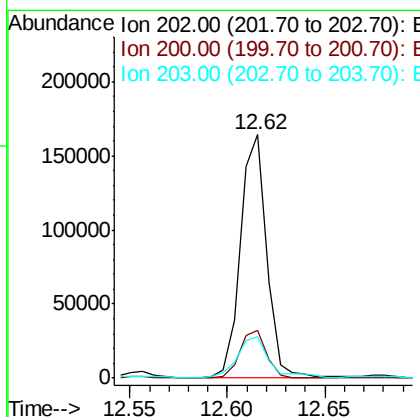
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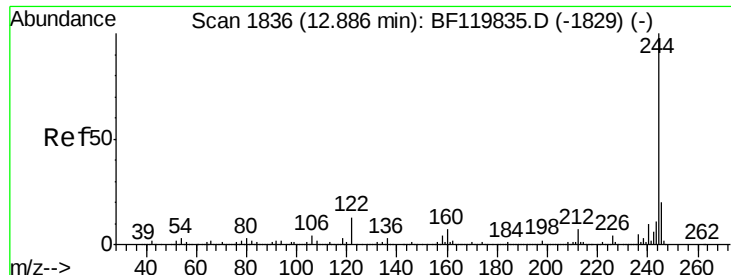
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#78
Pyrene
Concen: 17.917 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF120276.D
Acq: 1 May 2020 23:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.8	25.2
203	17.0	15.1	22.7





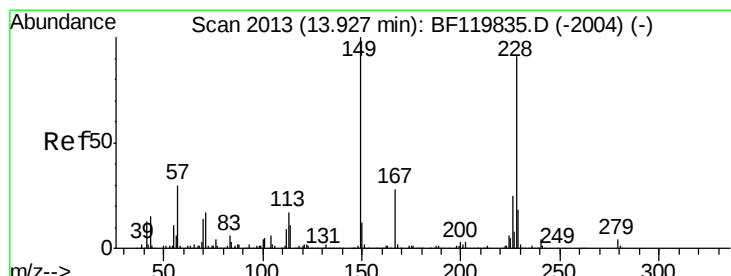
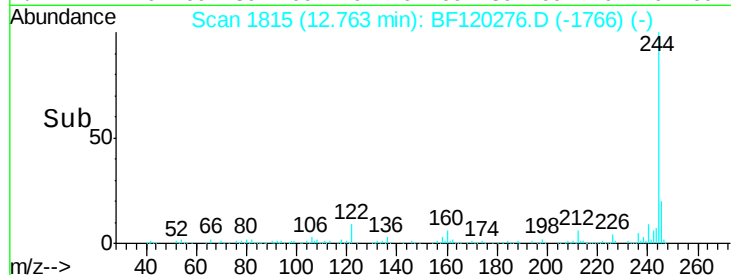
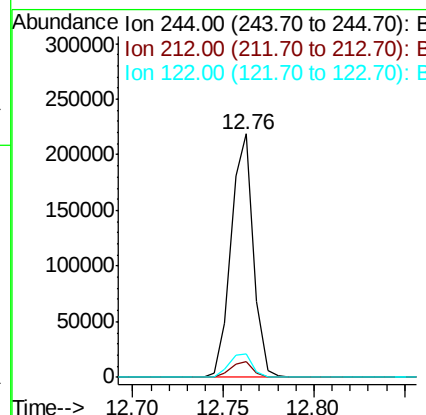
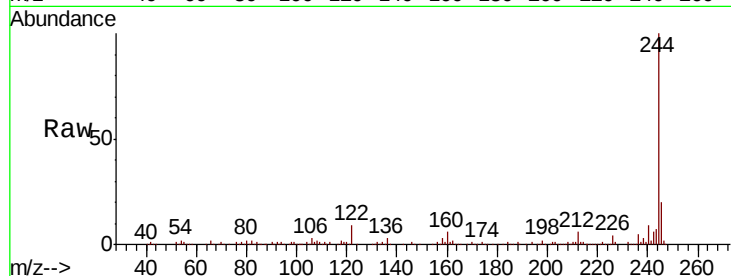
#79
 Terphenyl-d14
 Concen: 31.326 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	9.4	10.3	15.5#

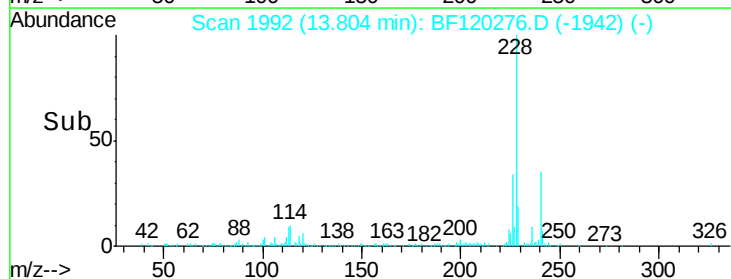
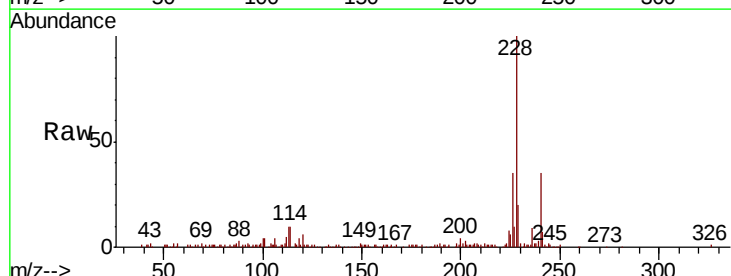
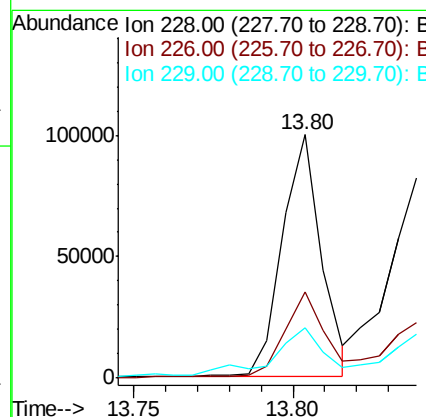
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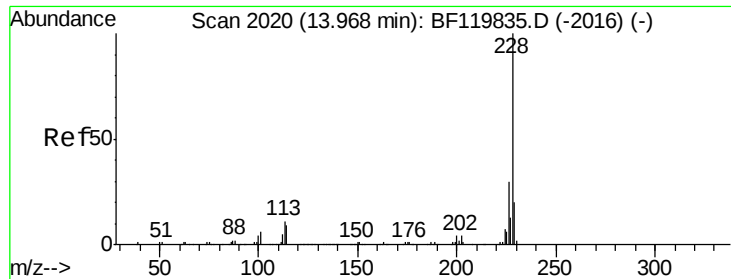
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#81
 Benzo(a)anthracene
 Concen: 12.856 ng m
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.3	21.8	32.8#
229	20.5	16.2	24.4





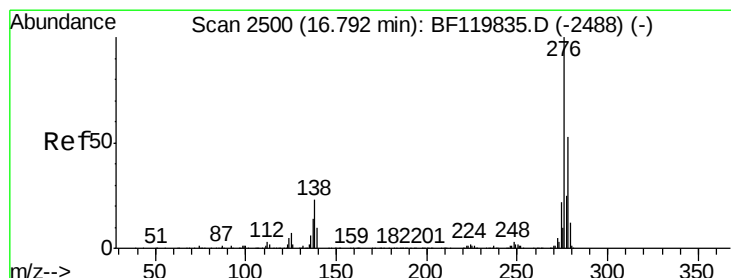
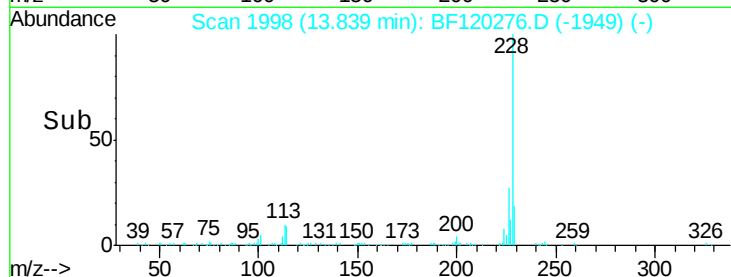
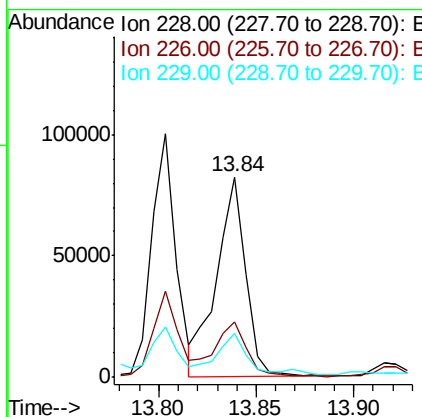
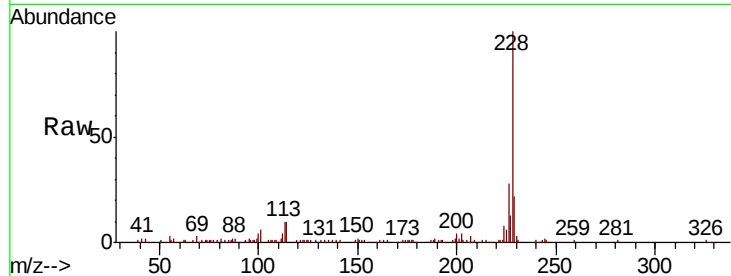
#83
 Chrysene
 Concen: 12.760 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion:228	Resp:	85758
Ion Ratio	Lower	Upper
228 100		
226 27.9	25.4	38.0
229 21.9	16.6	24.8

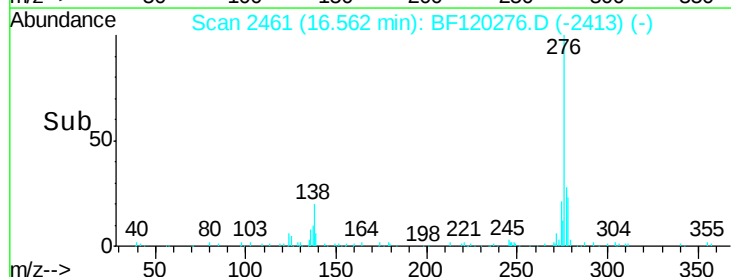
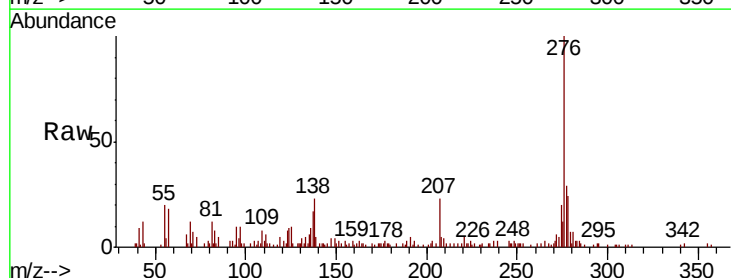
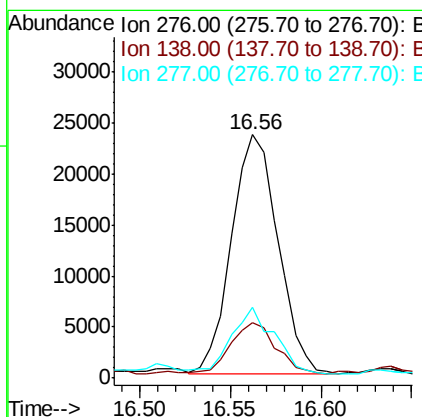
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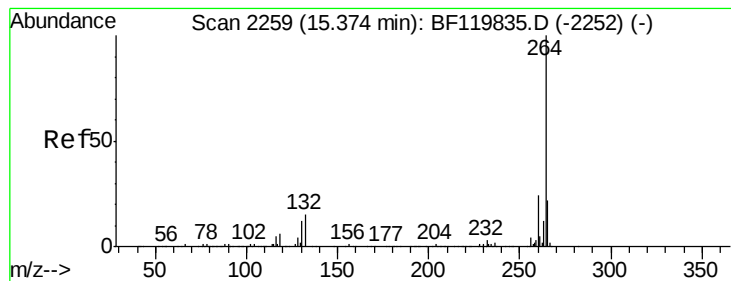
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.040 ng
 RT: 16.56 min Scan# 2461
 Delta R.T. -0.02 min
 Lab File: BF120276.D
 Acq: 1 May 2020 23:32

Tgt Ion:276	Resp:	41707
Ion Ratio	Lower	Upper
276 100		
138 21.4	19.6	29.4
277 26.1	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.01 min

Lab File: BF120276.D

Acq: 1 May 2020 23:32

Instrument :

BNA_F

ClientSampled :

TP-3

Tot Ion:264 Resp: 98048

Ion Ratio Lower Upper

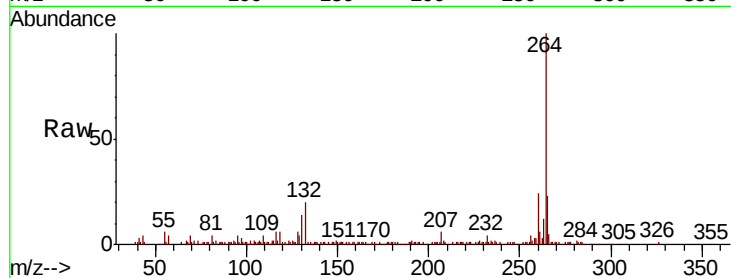
264 100

260 23.9 18.7 28.1

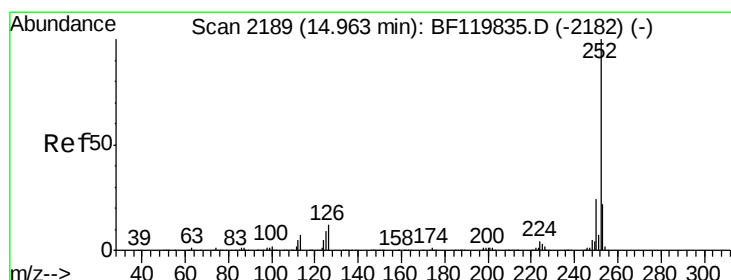
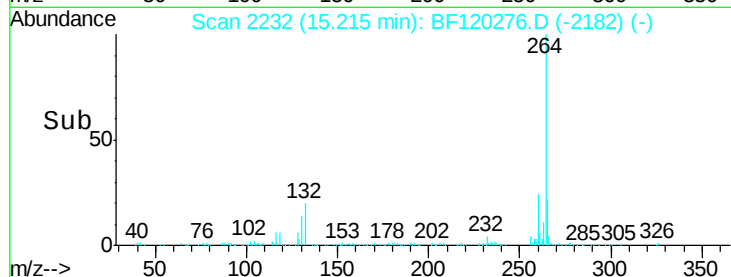
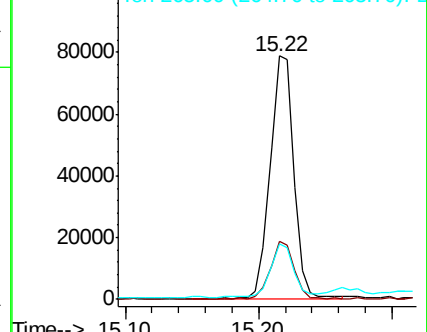
265 23.0 17.7 26.5

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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



#88

Benzo(b)fluoranthene

Concen: 13.892 ng m

RT: 14.82 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BF120276.D

Acq: 1 May 2020 23:32

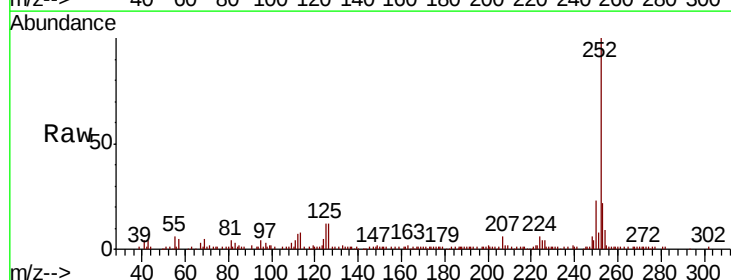
Tgt Ion:252 Resp: 97983

Ion Ratio Lower Upper

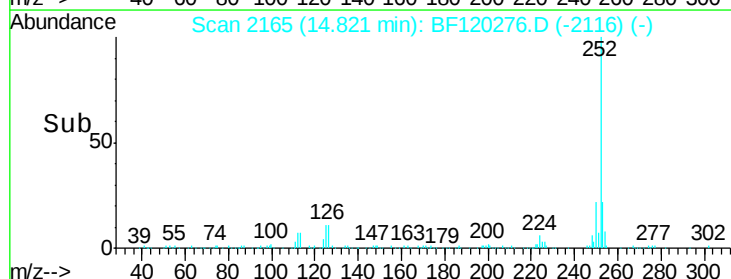
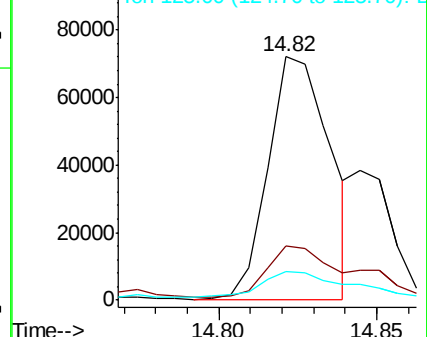
252 100

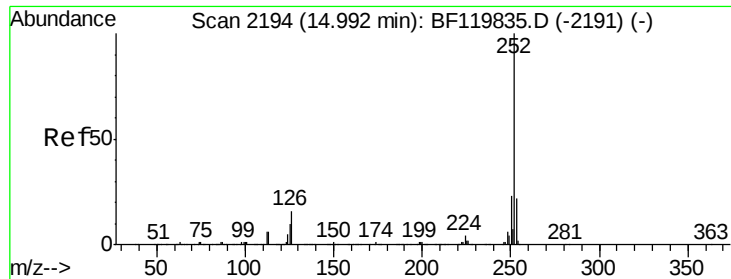
253 22.5 17.4 26.0

125 12.0 7.9 11.9#



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





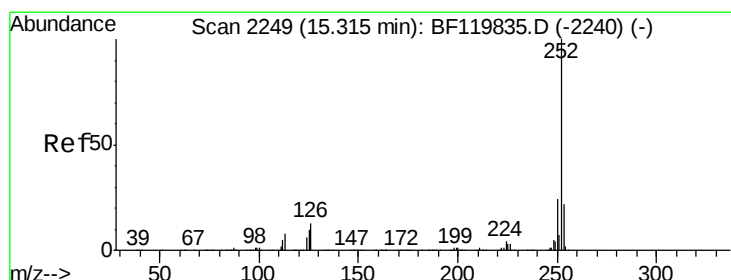
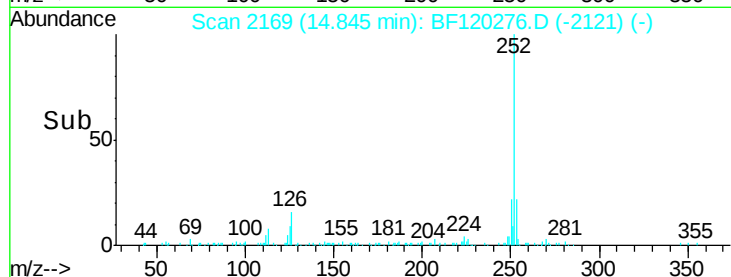
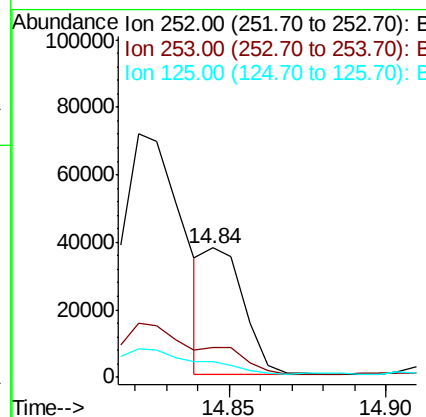
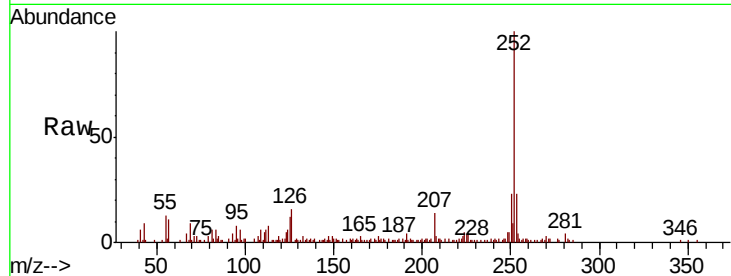
#89
Benzo(k)fluoranthene
Concen: 5.304 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF120276.D
Acq: 1 May 2020 23:32

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.8	8.4	12.6

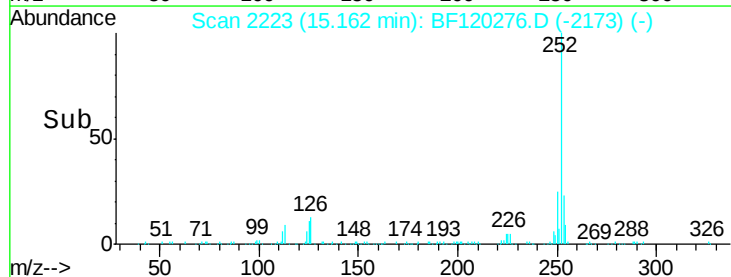
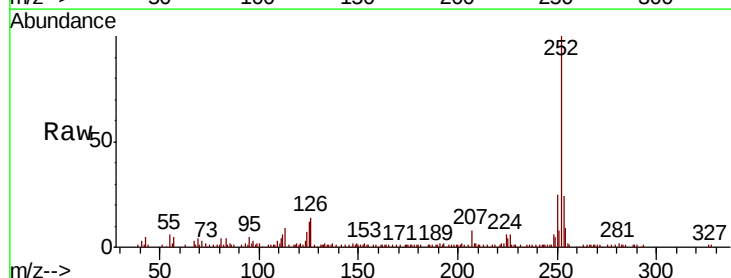
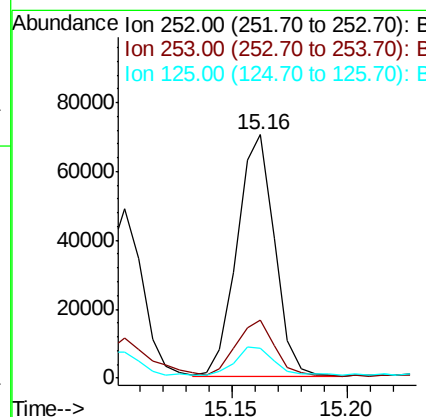
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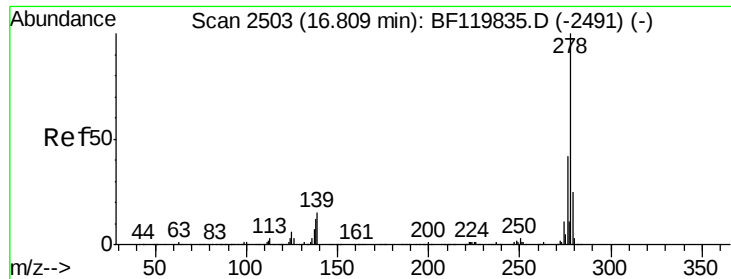
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#90
Benzo(a)pyrene
Concen: 13.540 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF120276.D
Acq: 1 May 2020 23:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	12.4	9.4	14.2





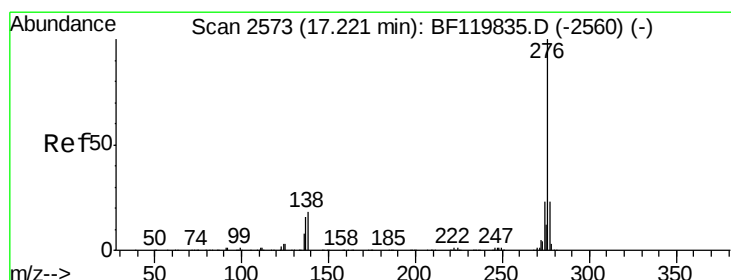
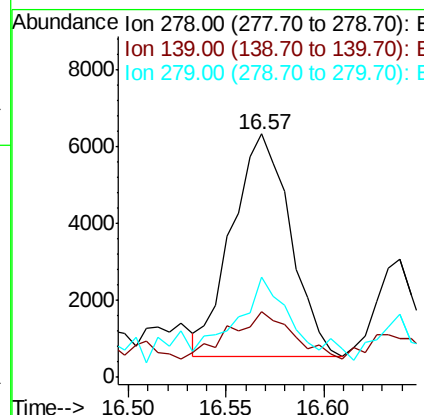
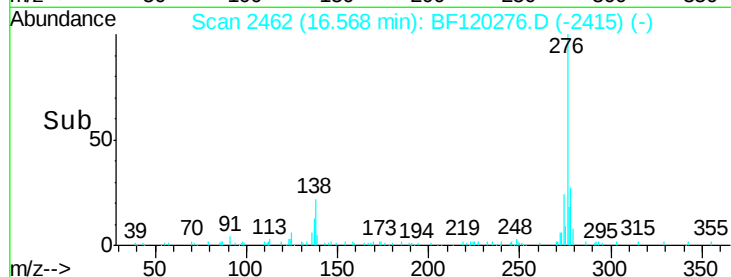
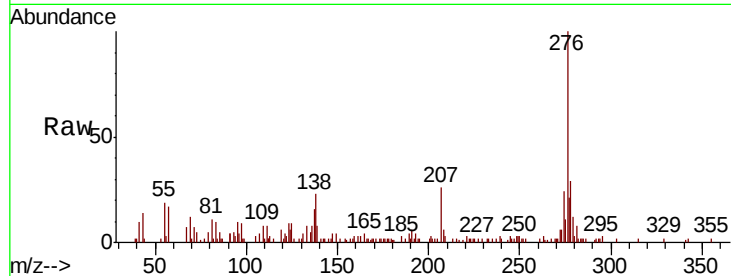
#91
Dibenzo(a,h)anthracene
Concen: 2.273 ng
RT: 16.57 min Scan# 2462
Delta R.T. -0.02 min
Lab File: BF120276.D
Acq: 1 May 2020 23:32

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.8	12.6	19.0#
279	41.1	19.0	28.6#

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#92
Benzo(g,h,i)perylene
Concen: 8.268 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF120276.D
Acq: 1 May 2020 23:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.4	27.6
138	19.7	15.4	23.0

