

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120028.D
 Acq On : 16 Apr 2020 11:40
 Operator : MA/SJ
 Sample : L2230-37 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-33

Manual Integrations
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mohammad
 4/17/2020 1:48:02 PM

Quant Time: Apr 16 12:15:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138927	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	528366	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	256947	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	431133	20.00	ng	0.00
76) Chrysene-d12	13.89	240	242441	20.00	ng	0.00
87) Perylene-d12	15.32	264	258702	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	164792	20.50	ng	0.00
7) Phenol-d6	6.35	99	218231	21.07	ng	-0.01
23) Nitrobenzene-d5	7.28	82	134464	13.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	65346	20.77	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	289780	16.01	ng	0.00
79) Terphenyl-d14	12.84	244	380533	26.41	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.27	178	326350	14.223	ng	99
72) Anthracene	11.32	178	83291	3.553	ng	97
75) Fluoranthene	12.46	202	507354	20.493	ng	97
78) Pyrene	12.69	202	447128	21.877	ng	99
81) Benzo(a)anthracene	13.88	228	225165	14.118	ng	97
83) Chrysene	13.92	228	184416	11.380	ng	97
86) Indeno(1,2,3-cd)pyrene	16.70	276	108603	7.602	ng	96
88) Benzo(b)fluoranthene	14.91	252	250290m	13.449	ng	
89) Benzo(k)fluoranthene	14.93	252	74896m	4.664	ng	
90) Benzo(a)pyrene	15.26	252	182082	11.636	ng	98
91) Dibenzo(a,h)anthracene	16.71	278	28003	2.020	ng	# 90
92) Benzo(a,h,i)perylene	17.12	276	99977	7.307	ng	96

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

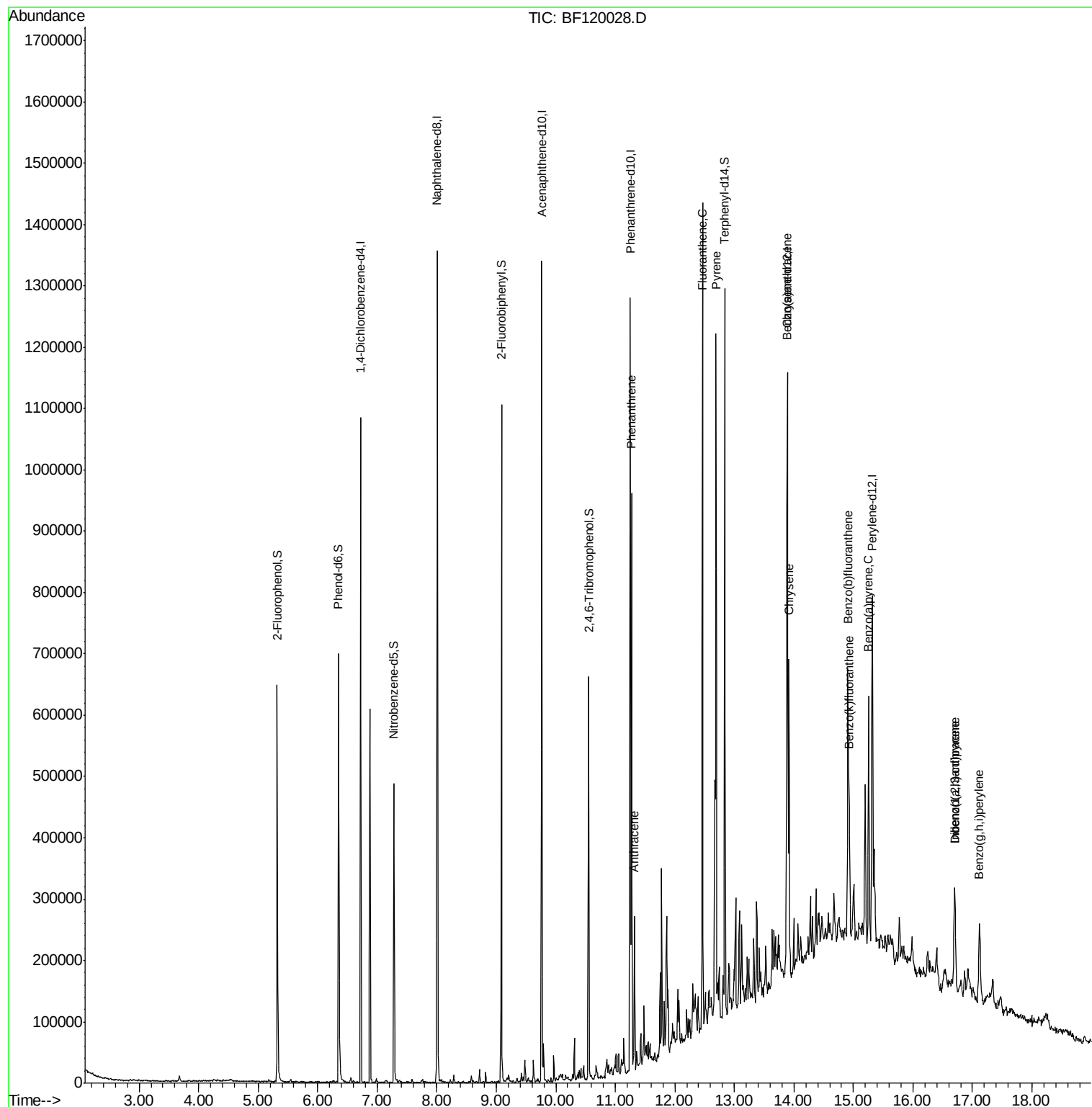
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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ALS Vial : 36 Sample Multiplier: 1

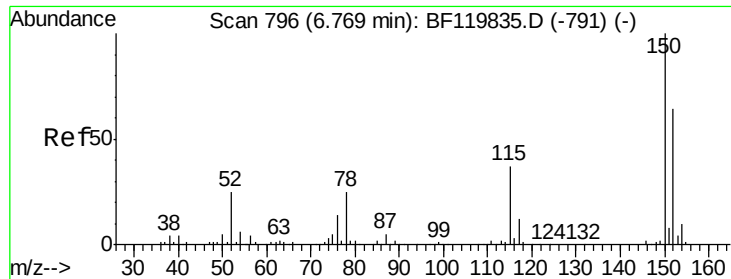
Instrument :
BNA_F
ClientSampled :
TP-33

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Quant Time: Apr 16 12:15:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
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#1

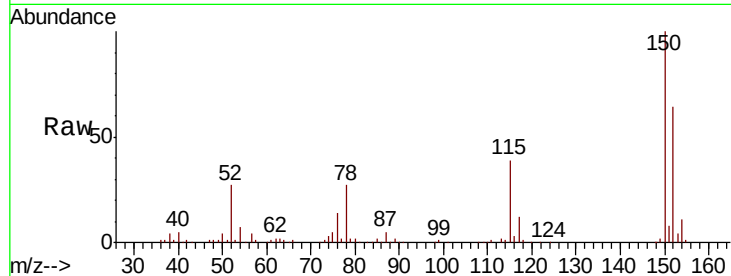
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.8	187.2
115	60.1	46.5	69.7

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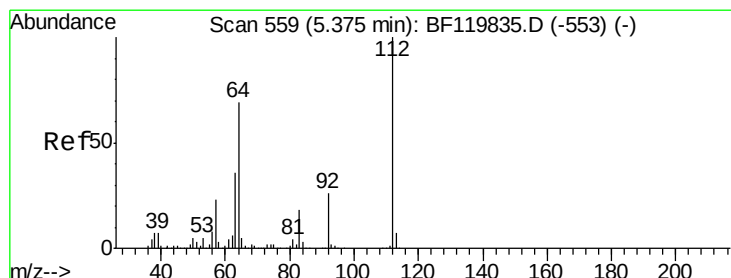
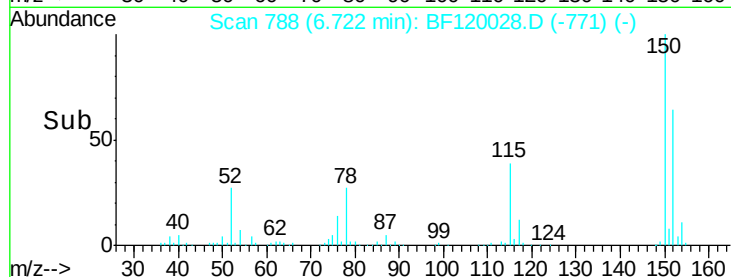
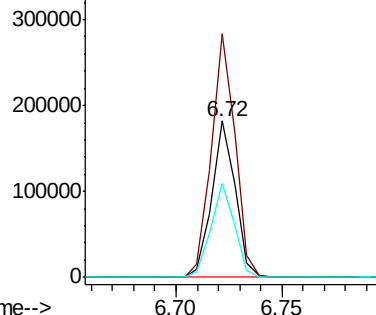


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

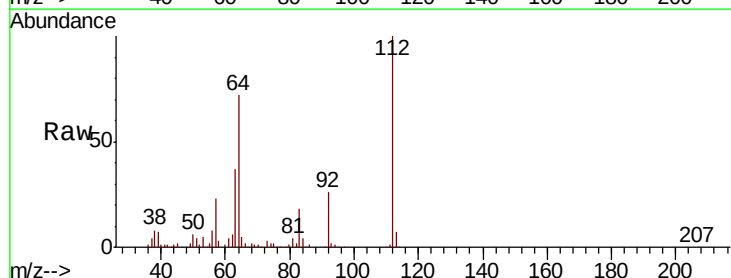
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.499 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.4	55.5	83.3
63	37.2	29.1	43.7

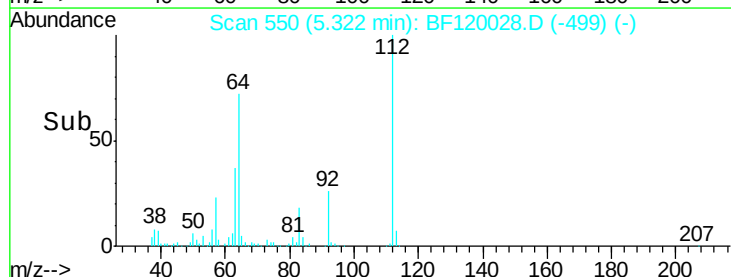
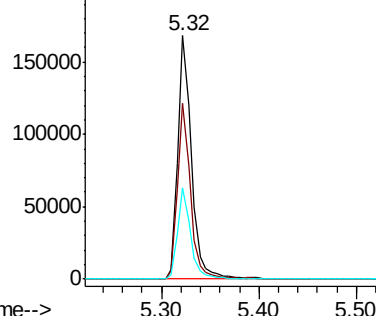


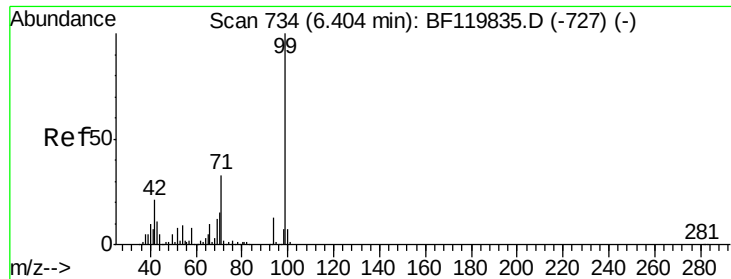
Abundance

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: 21.068 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

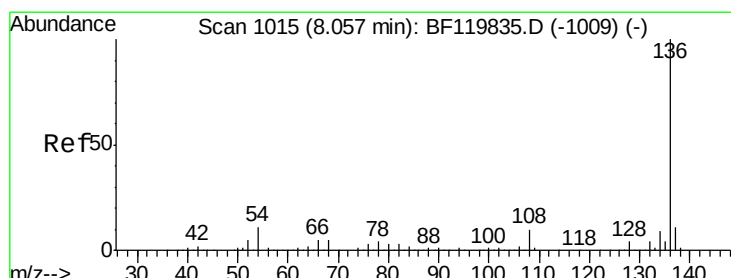
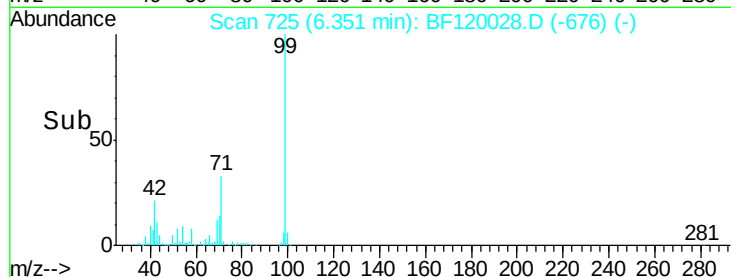
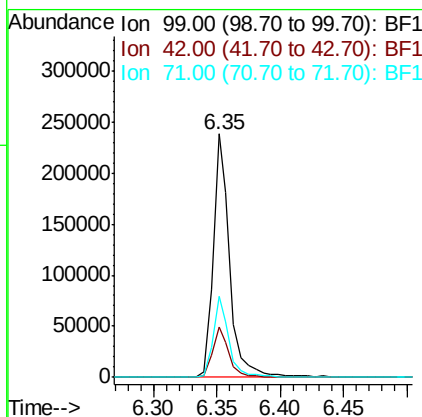
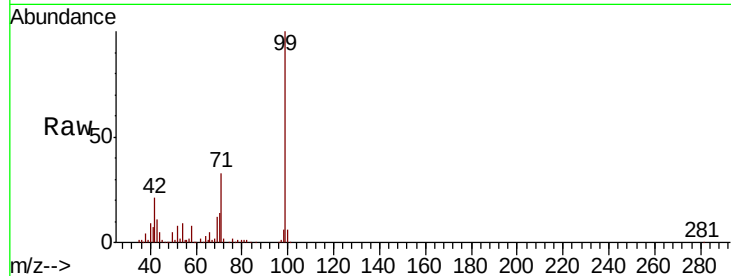
ClientSampled :

TP-33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		218231		
42	20.7	16.9	25.3		
71	33.3	26.3	39.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

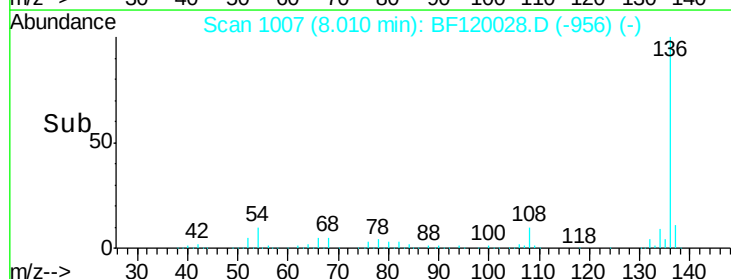
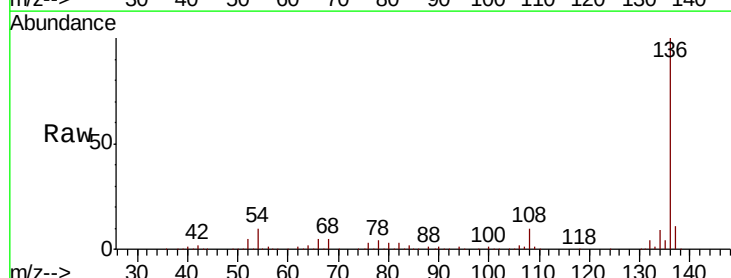
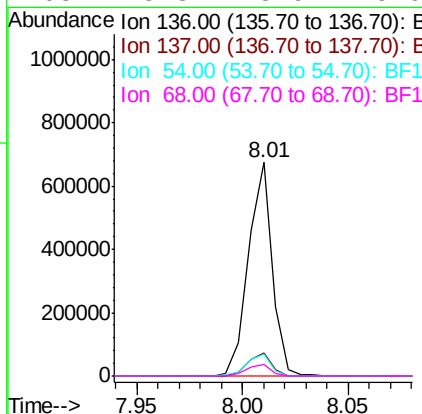
RT: 8.01 min Scan# 1007

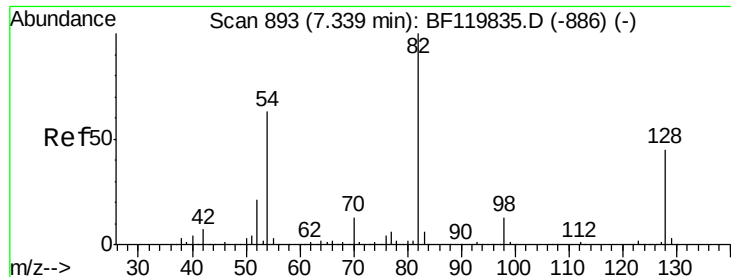
Delta R.T. -0.00 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		528366		
137	11.0	8.7	13.1		
54	10.1	8.5	12.7		
68	5.3	3.9	5.9		





#23

Nitrobenzene-d5

Concen: 13.166 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

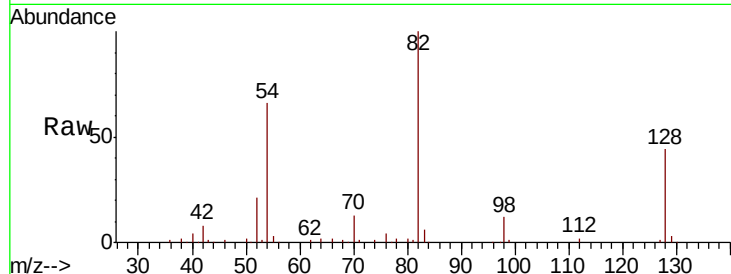
ClientSampleId :

TP-33

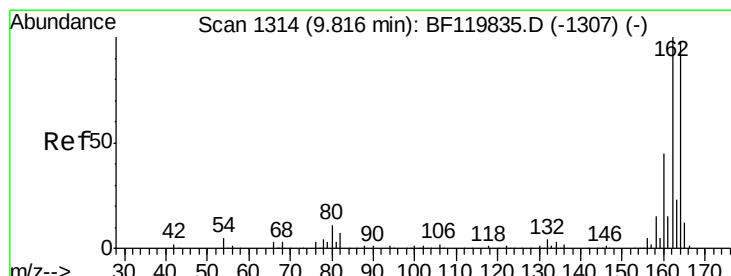
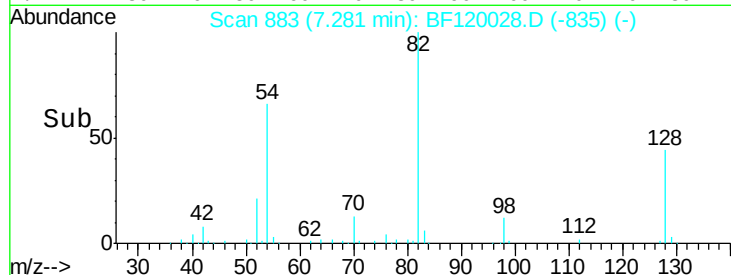
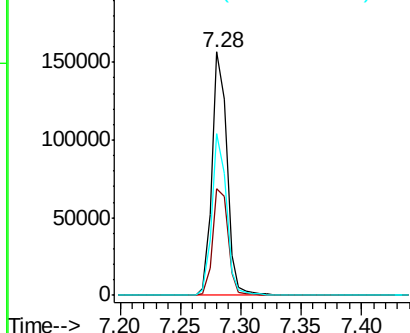
Tot Ion:	82	Resp:	134464
Ion Ratio	Lower	Upper	
82	100		
128	43.6	36.2	54.4
54	66.5	50.4	75.6

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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

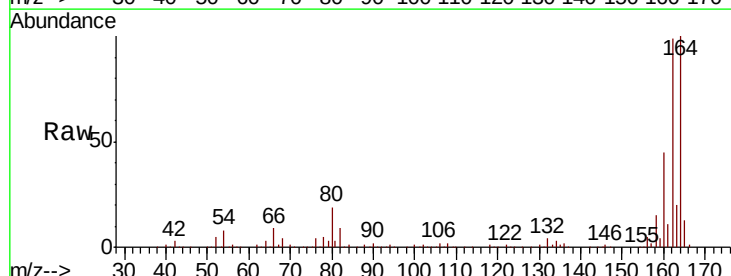
RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

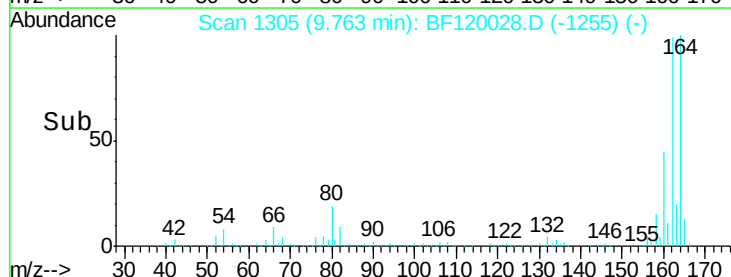
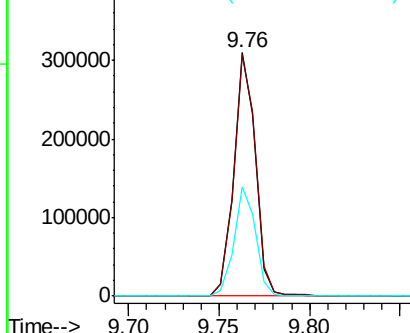
Lab File: BF120028.D

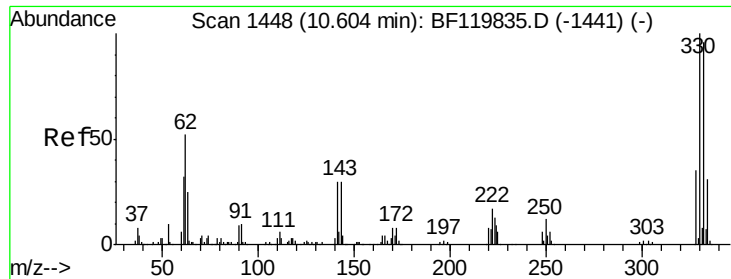
Acq: 16 Apr 2020 11:40

Tgt Ion:	164	Resp:	256947
Ion Ratio	Lower	Upper	
164	100		
162	99.1	81.9	122.9
160	44.8	36.6	54.8



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





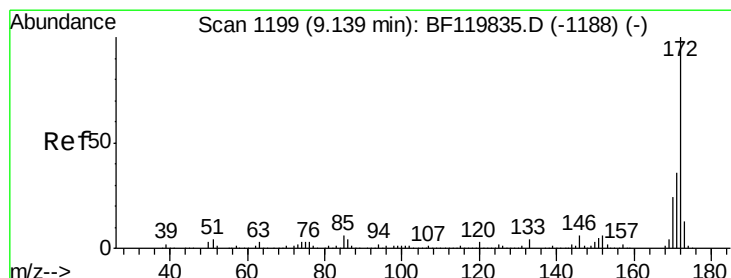
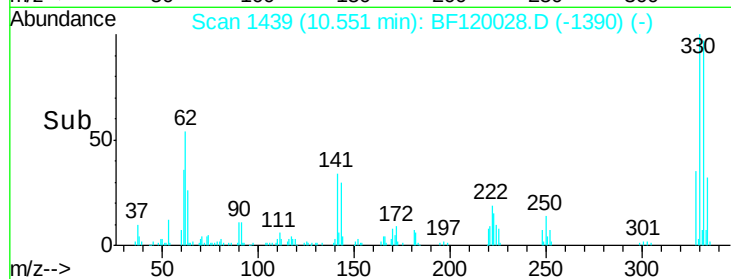
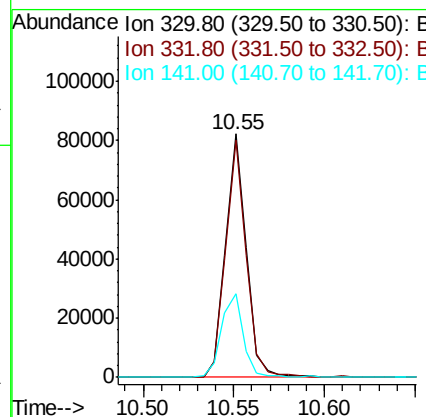
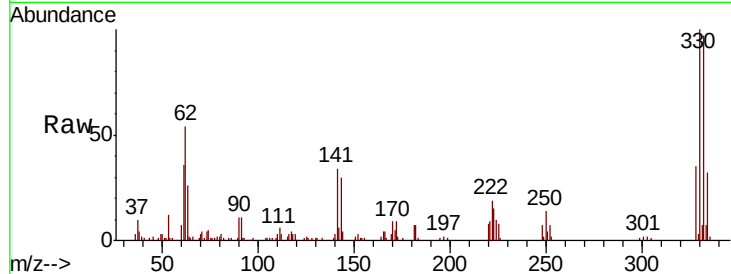
#42
 2,4,6-Tribromophenol
 Concen: 20.772 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120028.D
 Acq: 16 Apr 2020 11:40

Instrument :
 BNA_F
 ClientSampled :
 TP-33

Tot Ion	Ratio	Resp	Lower	Upper
330	100	65346		
332	96.8		76.8	115.2
141	36.2		25.1	37.7

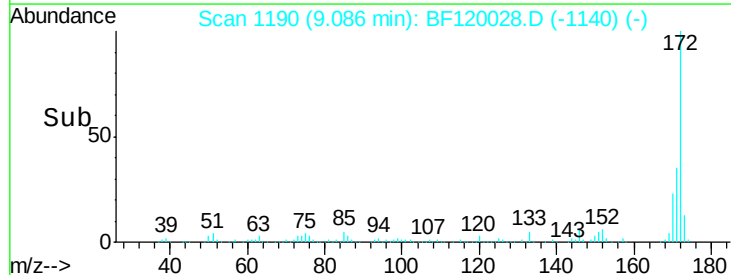
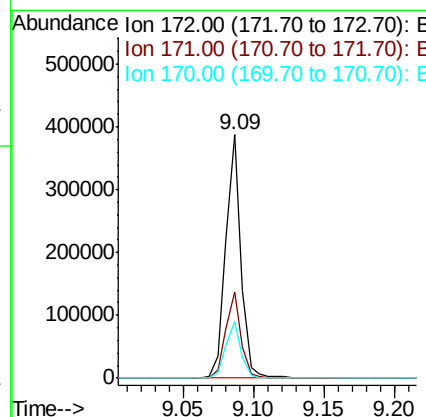
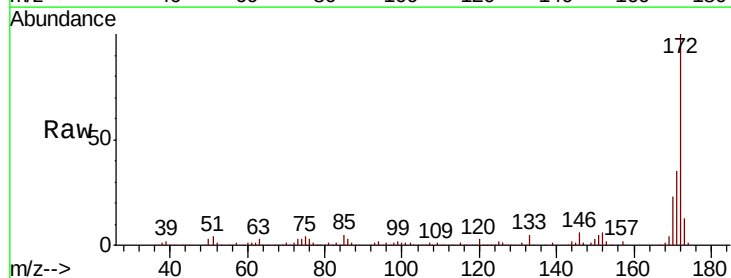
Manual Integrations
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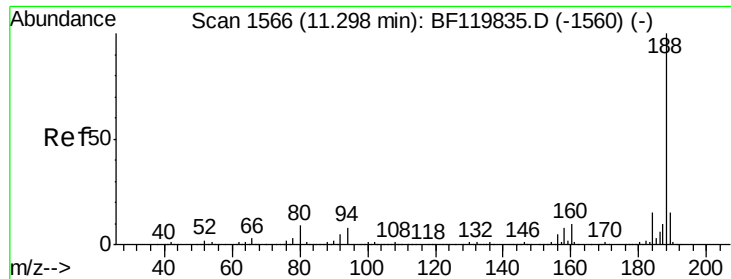
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#45
 2-Fluorobiphenyl
 Concen: 16.012 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120028.D
 Acq: 16 Apr 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	289780		
171	35.4		28.9	43.3
170	23.3		19.4	29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

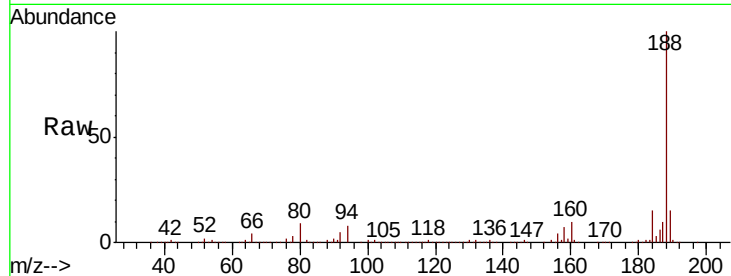
ClientSampleId :

TP-33

Tot Ion:188	Resp:	431133
Ion Ratio	Lower	Upper
188 100		
94 7.8	6.7	10.1
80 8.6	7.4	11.2

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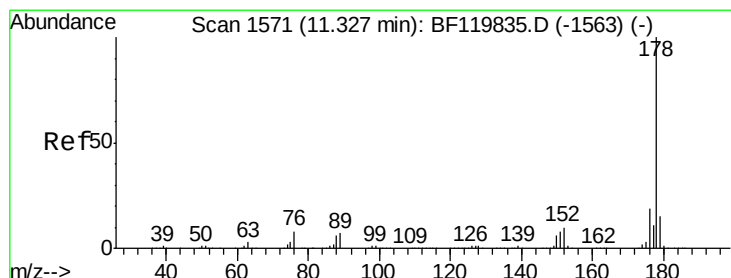
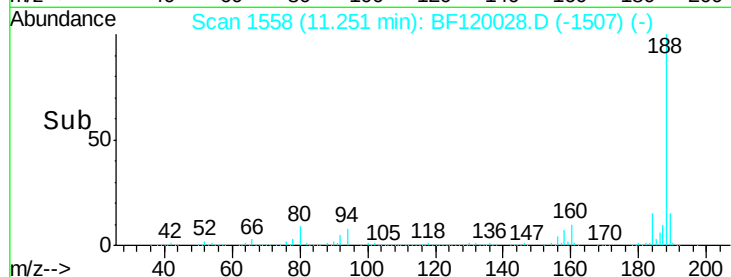
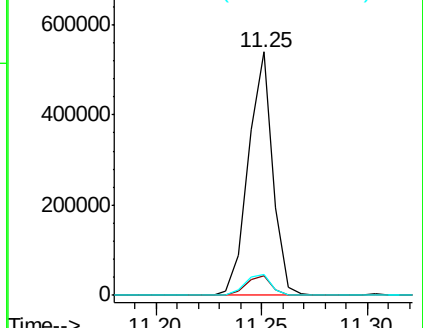
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 14.223 ng

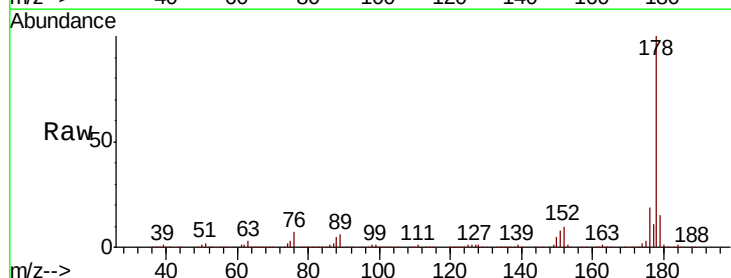
RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

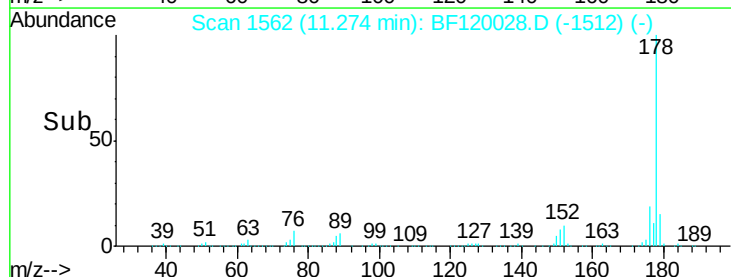
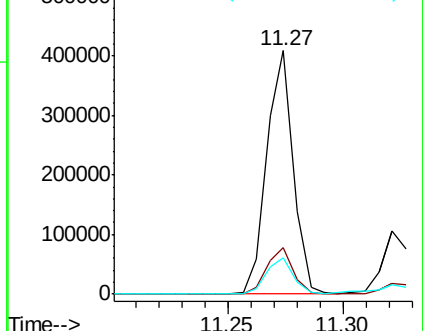
Tgt Ion:178	Resp:	326350
Ion Ratio	Lower	Upper
178 100		
176 19.2	15.1	22.7
179 15.0	12.2	18.4

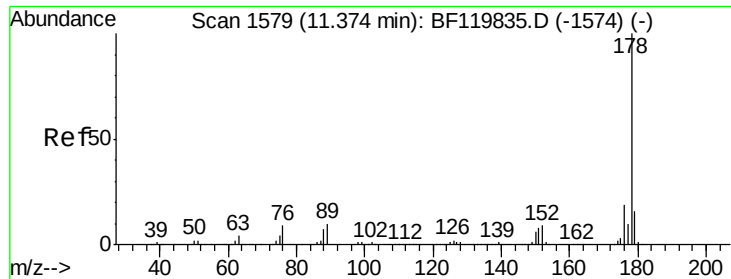


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.553 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

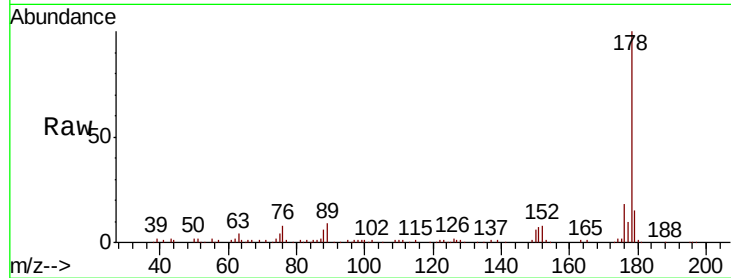
ClientSampled :

TP-33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		83291		
176	17.9	15.4	23.2		
179	15.0	12.8	19.2		

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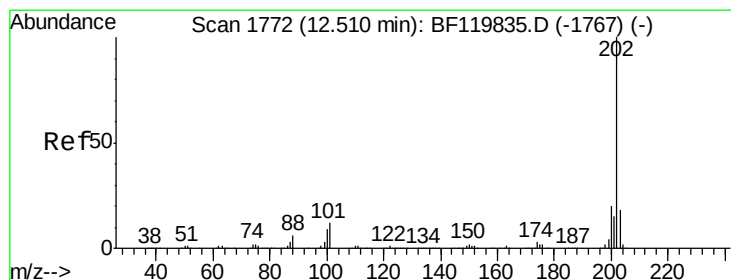
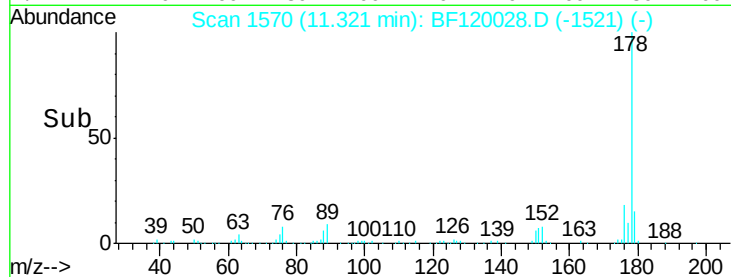
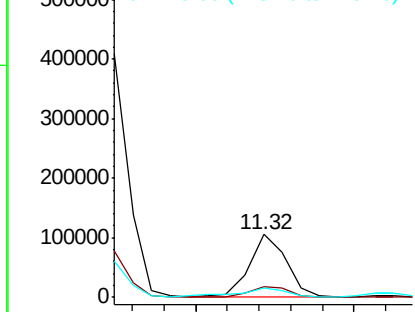
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 20.493 ng

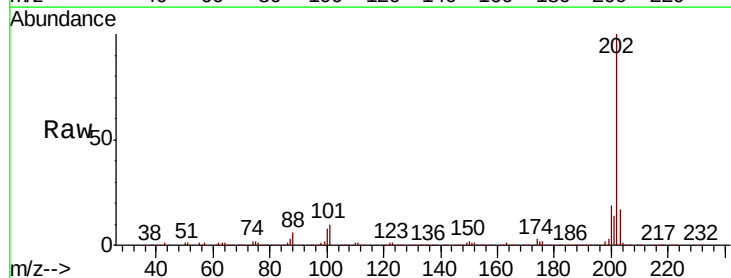
RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

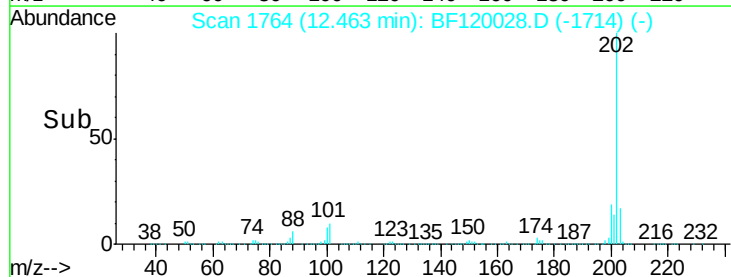
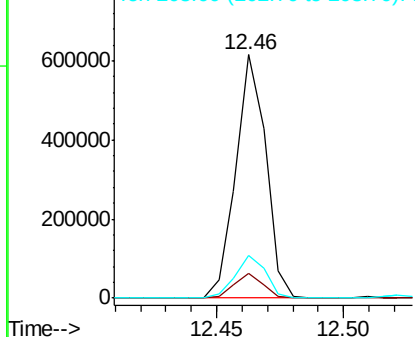
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		507354		
101	10.1	0.0	32.3		
203	17.4	0.0	37.6		

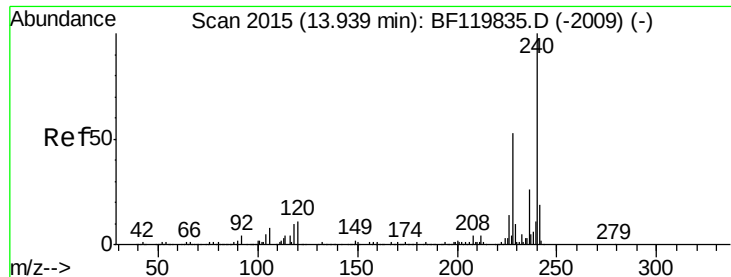


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

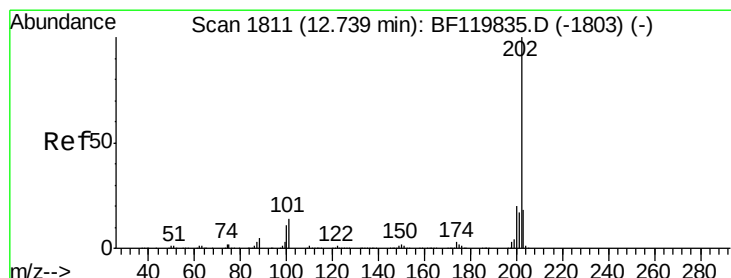
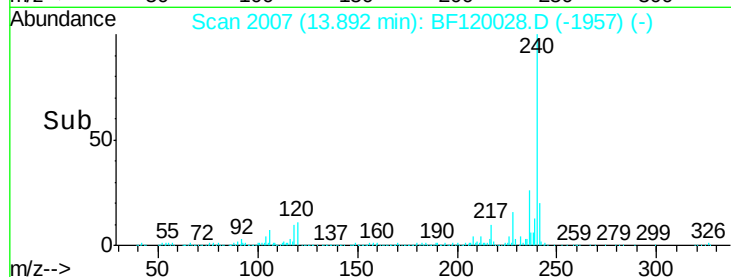
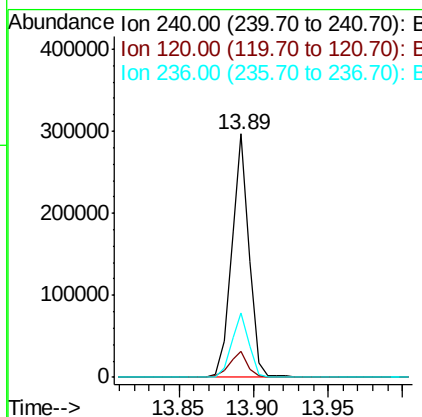
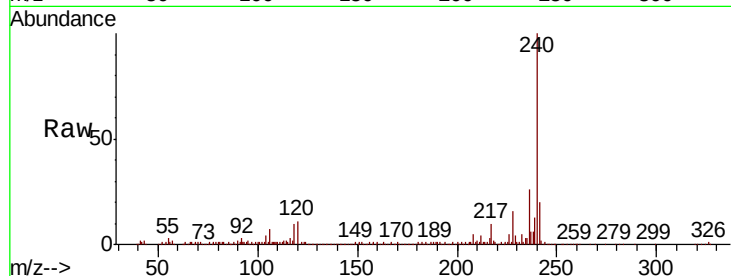
ClientSampled :

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Tot Ion:	240	Resp:	242441
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.0	13.6
236	26.3	20.7	31.1

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#78

Pyrene

Concen: 21.877 ng

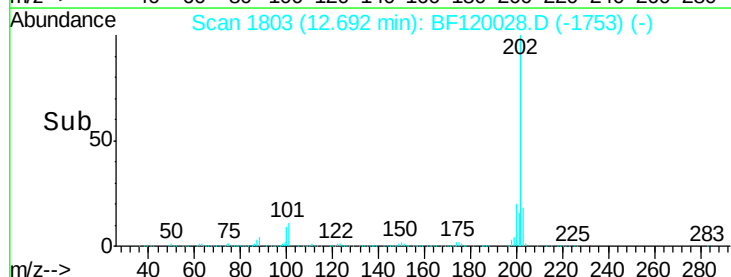
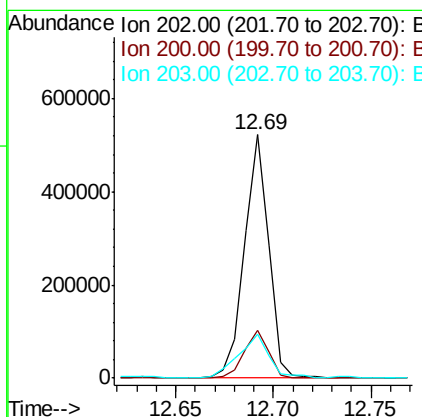
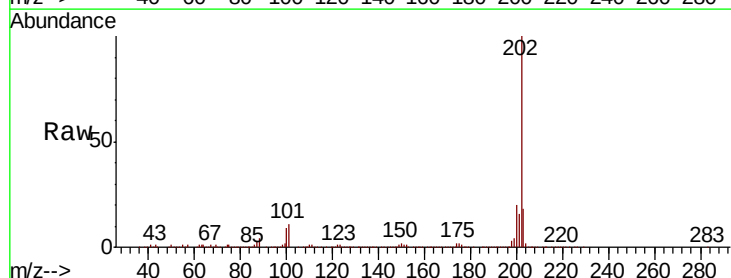
RT: 12.69 min Scan# 1803

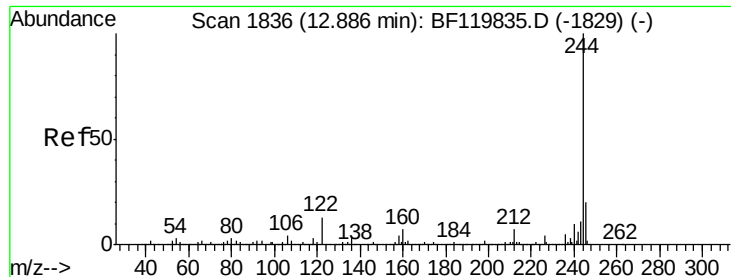
Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Tgt Ion:	202	Resp:	447128
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.2	24.2
203	18.1	14.1	21.1





#79

Terphenyl-d14

Concen: 26.411 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

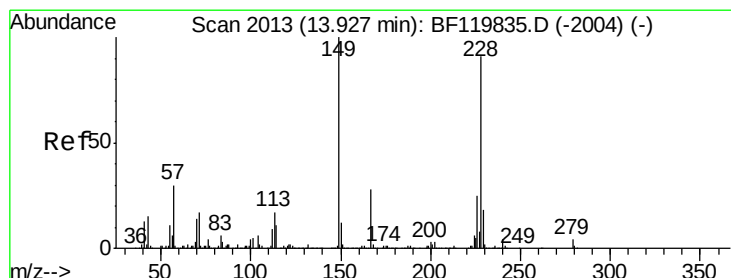
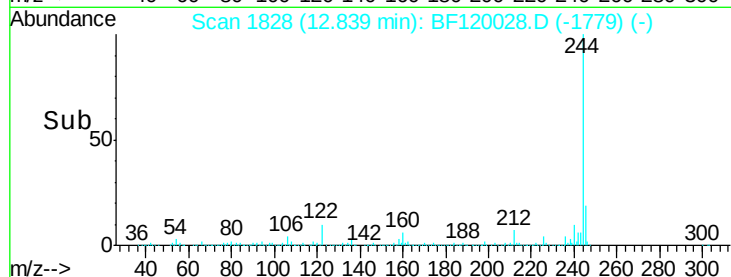
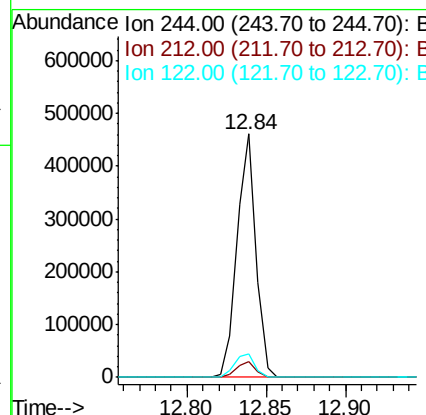
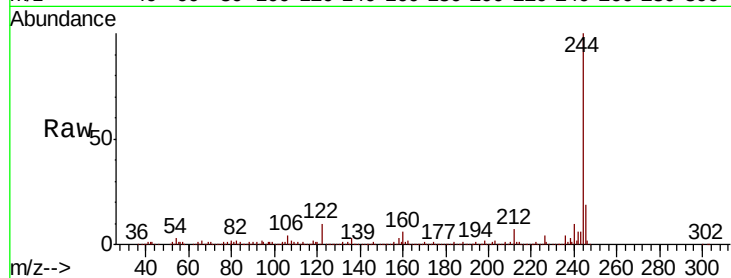
ClientSampleId :

TP-33

Tot Ion:	244	Resp:	380533
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	9.7	10.3	15.5#

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#81

Benzo(a)anthracene

Concen: 14.118 ng

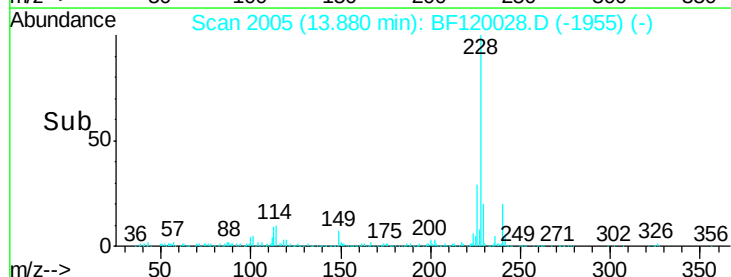
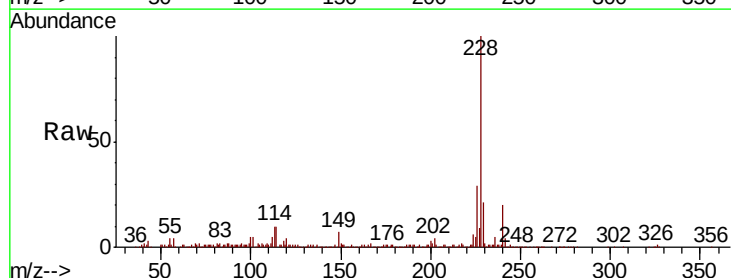
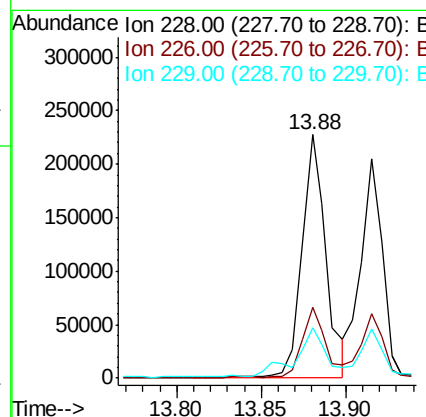
RT: 13.88 min Scan# 2005

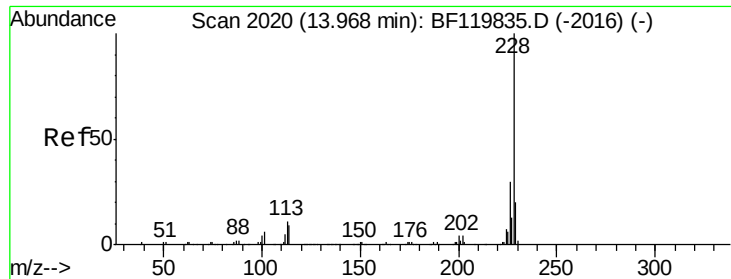
Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Tgt Ion:	228	Resp:	225165
Ion Ratio	Lower	Upper	
228	100		
226	29.2	21.9	32.9
229	20.8	15.9	23.9





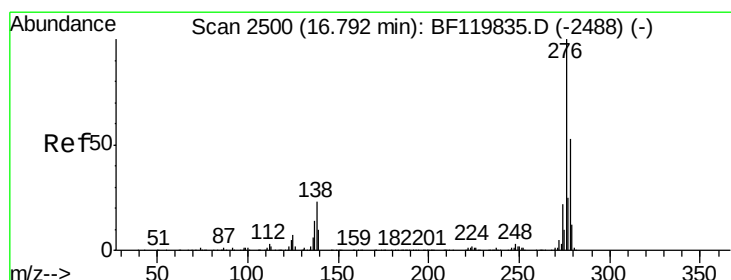
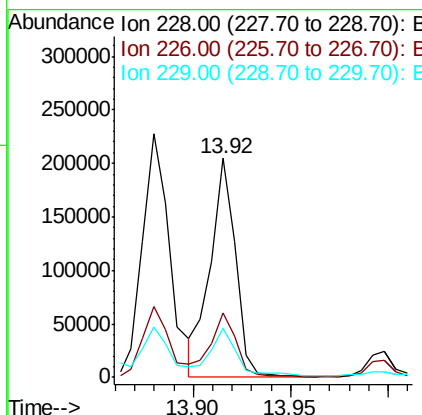
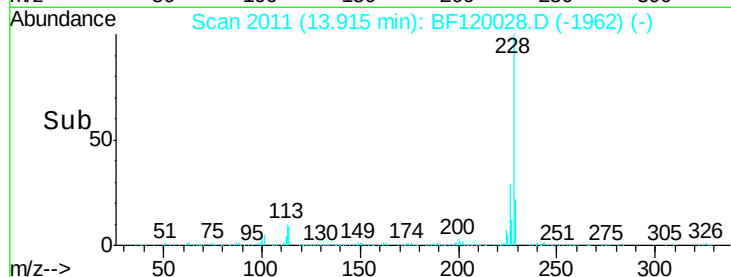
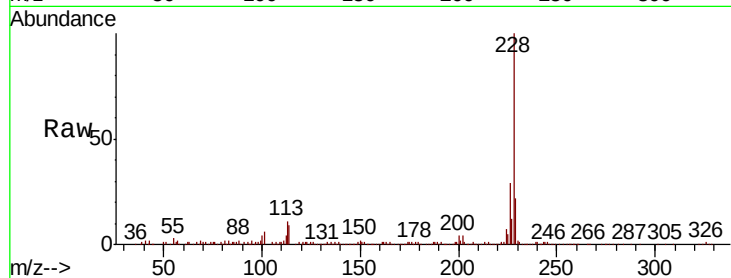
#83
Chrysene
Concen: 11.380 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	22.4	15.9	23.9

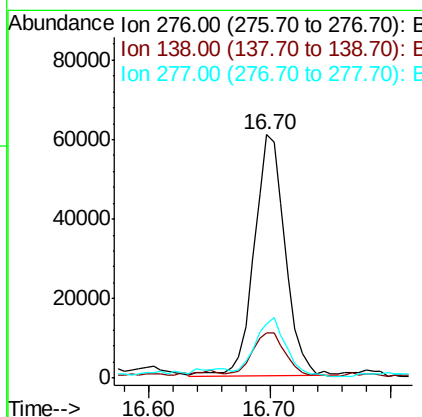
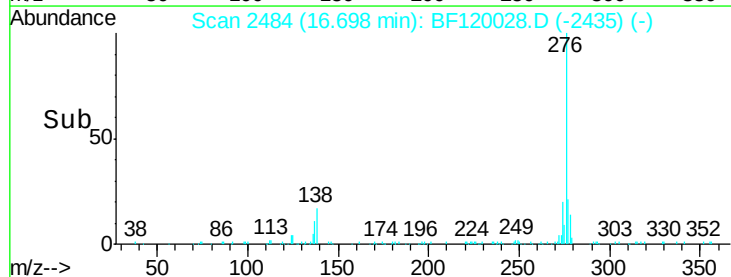
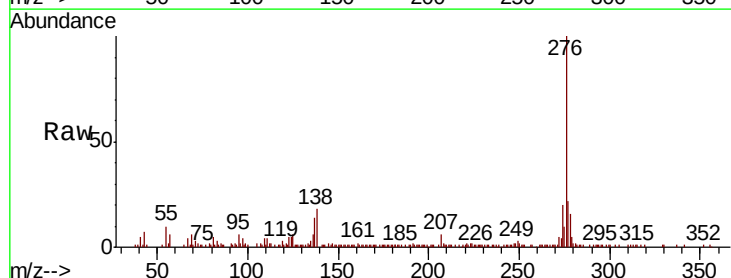
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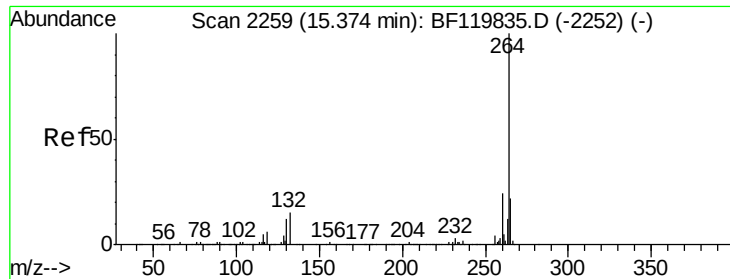
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.602 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.0	27.0
277	24.5	20.1	30.1





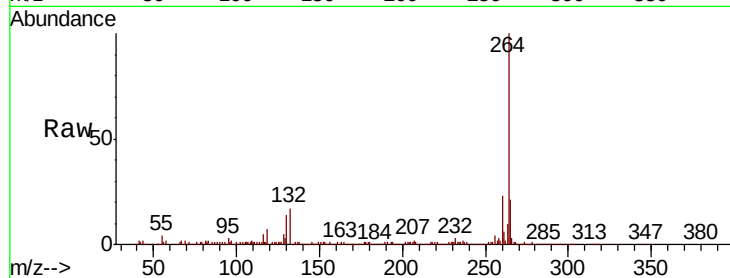
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampled :
TP-33

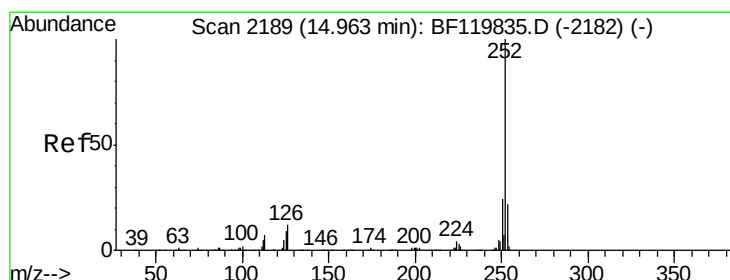
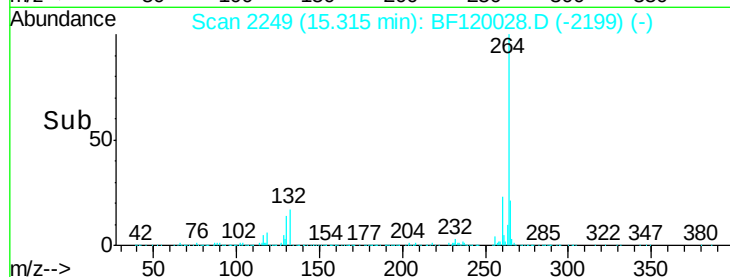
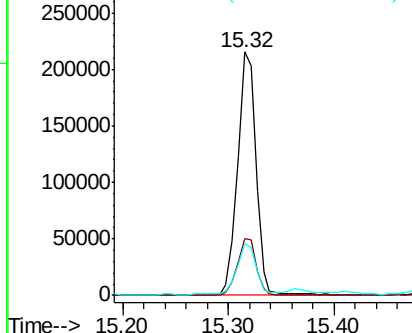
Tot Ion:	264	Resp:	258702
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.3	28.9
265	21.1	17.6	26.4

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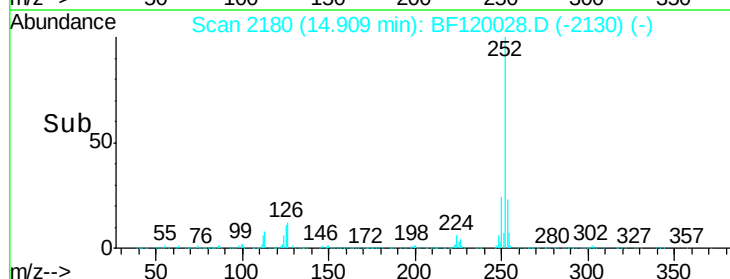
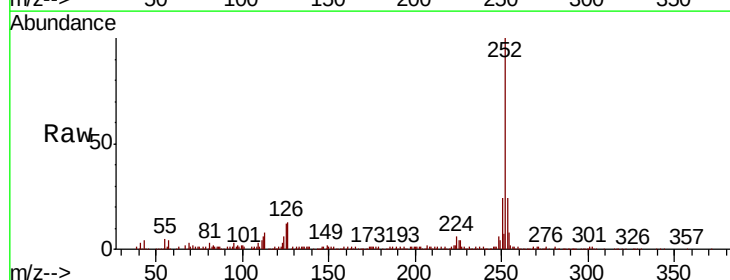
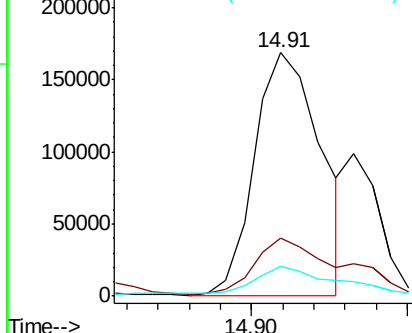
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

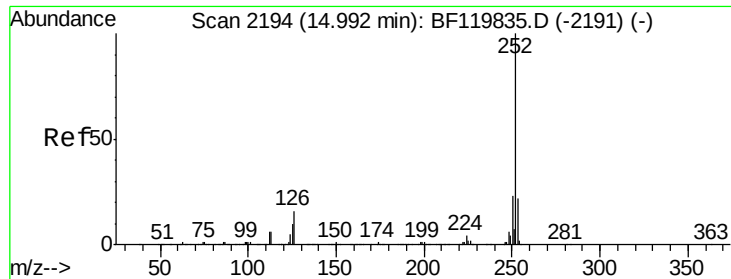


#88
Benzo(b)fluoranthene
Concen: 13.449 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:	252	Resp:	250290
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.7	26.5
125	12.3	7.4	11.2#

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





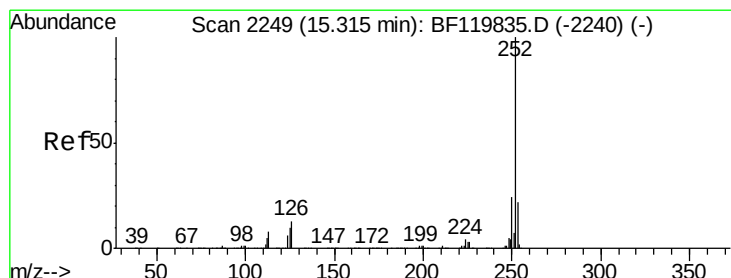
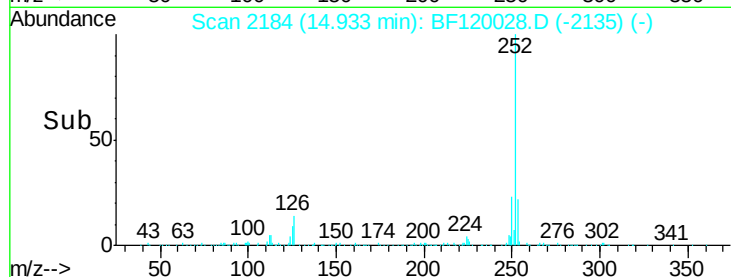
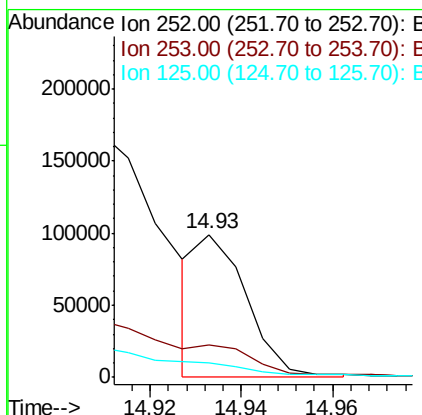
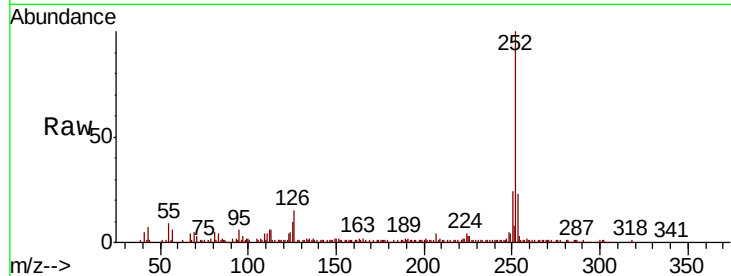
#89
Benzo(k)fluoranthene
Concen: 4.664 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampled :
TP-33

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	10.2	7.7	11.5

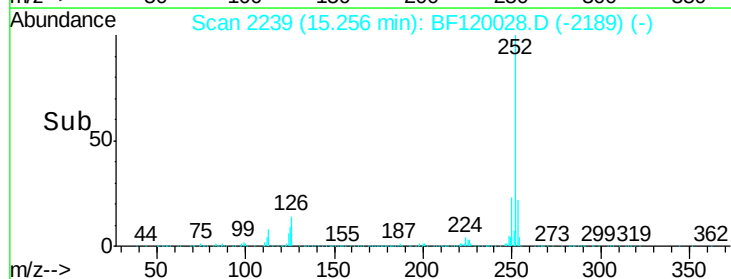
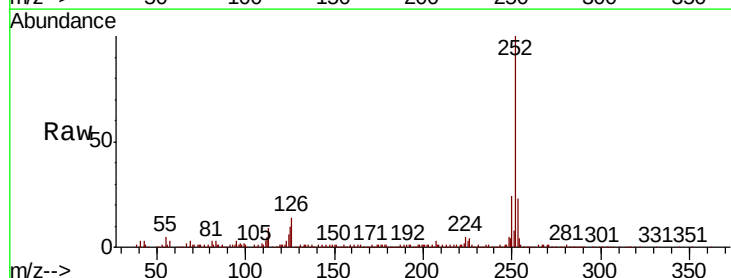
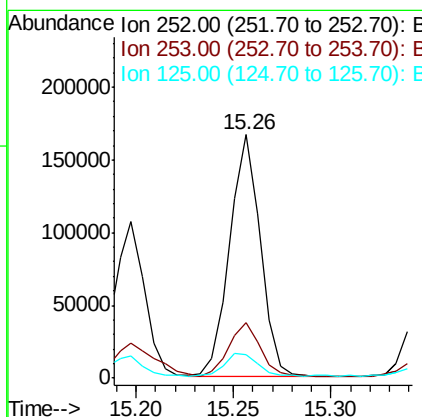
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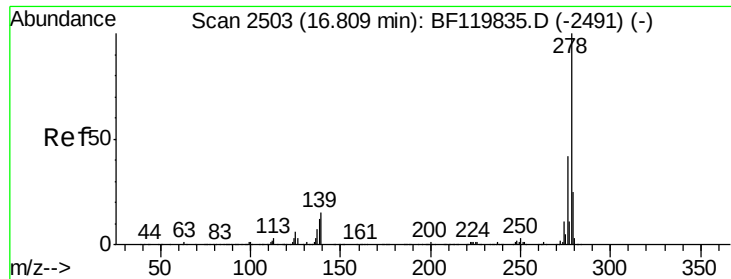
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#90
Benzo(a)pyrene
Concen: 11.636 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	9.9	8.3	12.5





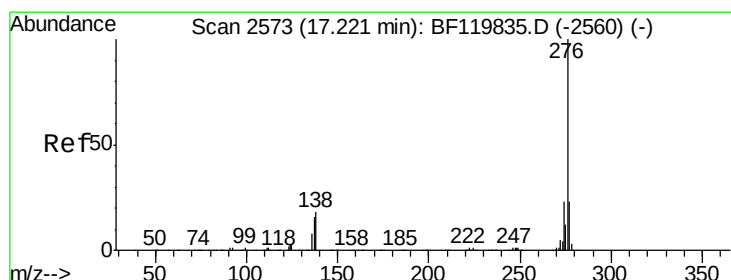
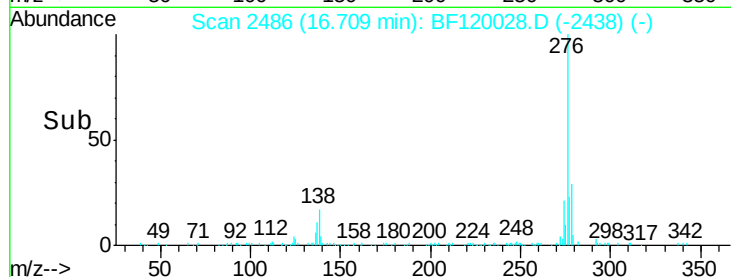
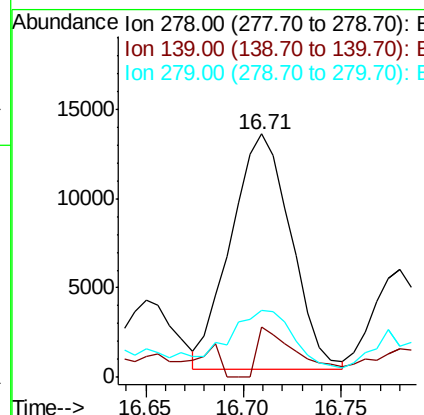
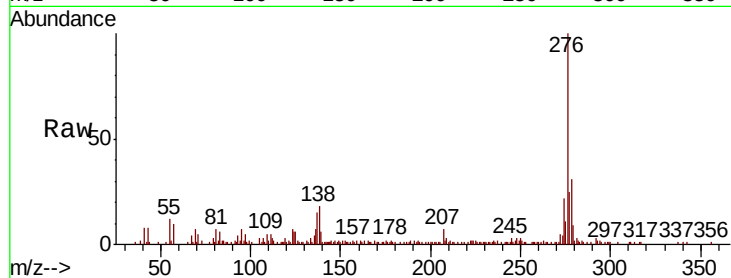
#91
Dibenzo(a,h)anthracene
Concen: 2.020 ng
RT: 16.71 min Scan# 2486
Delta R.T. -0.02 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampled :
TP-33

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.8	11.6	17.4#
279	27.7	19.7	29.5

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#92
Benzo(g,h,i)perylene
Concen: 7.307 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.5	27.7
138	21.1	14.6	22.0

