

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\
 Data File : BF119705.D
 Acq On : 2 Apr 2020 8:55
 Operator : MA/SJ
 Sample : L1758-01 5X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Manual Integrations
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Quant Time: Apr 02 09:36:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	241977	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	880818	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	400943	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	629994	20.00	ng	0.00
76) Chrysene-d12	13.99	240	422995	20.00	ng	-0.01
87) Perylene-d12	15.44	264	372813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	319660	21.03	ng	0.00
7) Phenol-d6	6.43	99	402538	20.73	ng	-0.01
23) Nitrobenzene-d5	7.37	82	224427	13.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	80253	19.40	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	435776	16.10	ng	0.00
79) Terphenyl-d14	12.93	244	324019	15.01	ng	-0.01
Target Compounds						
71) Phenanthrene	11.37	178	344221	10.537	ng	98
72) Anthracene	11.42	178	109158	3.288	ng	97
75) Fluoranthene	12.56	202	419768	11.874	ng	96
78) Pyrene	12.79	202	378891	10.914	ng	97
81) Benzo(a)anthracene	13.97	228	183273	6.663	ng	98
83) Chrysene	14.01	228	150022	5.285	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	70980	2.655	ng	95
88) Benzo(b)fluoranthene	15.02	252	179059m	7.190	ng	
89) Benzo(k)fluoranthene	15.04	252	68851m	2.903	ng	
90) Benzo(a)pyrene	15.38	252	130948	5.786	ng	96
92) Benzo(g,h,i)perylene	17.33	276	65416	3.289	ng	95

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

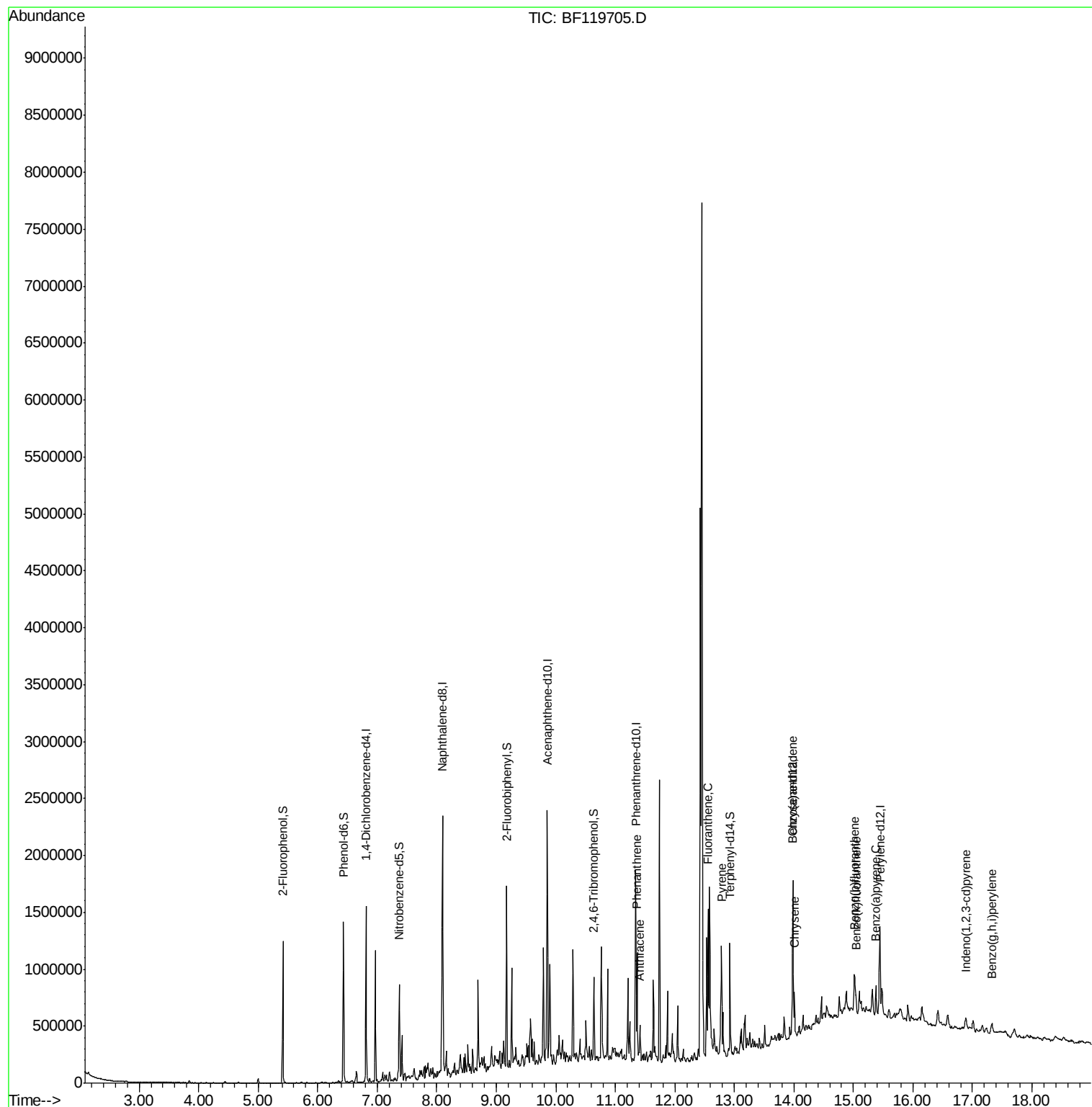
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\
Data File : BF119705.D
Acq On : 2 Apr 2020 8:55
Operator : MA/SJ
Sample : L1758-01 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

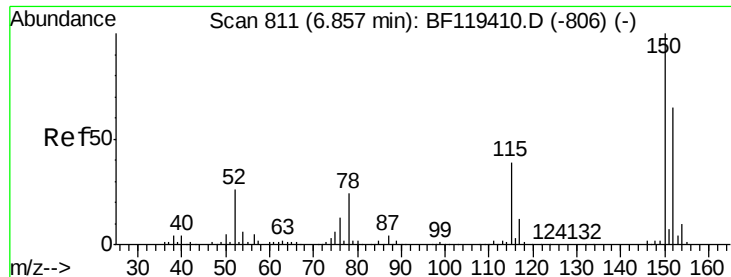
Instrument :
BNA_F
ClientSampleId :
PL-03-033020

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Quant Time: Apr 02 09:36:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 11:59:45 2020
Response via : Initial Calibration





#1

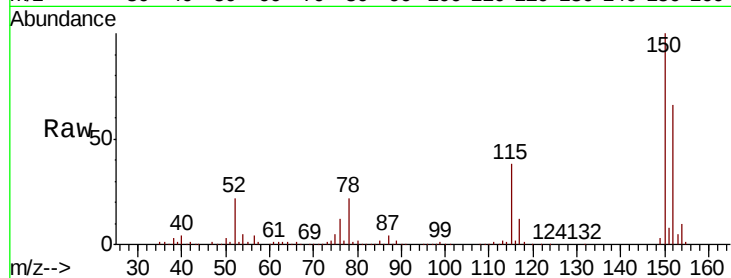
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Instrument :
BNA_F
ClientSampleId :
PL-03-033020

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.5	186.7
115	56.8	49.6	74.4

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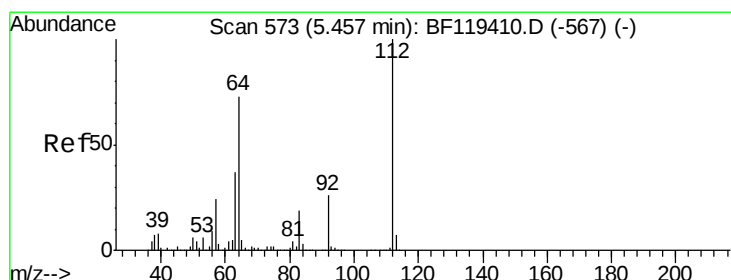
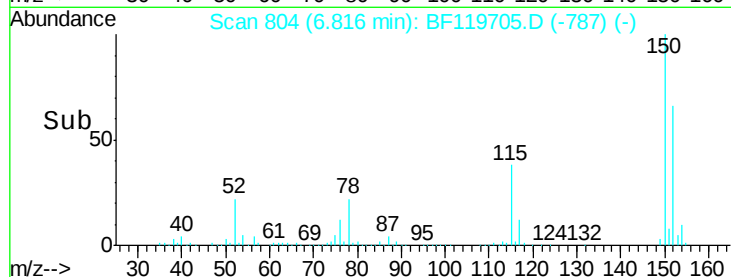
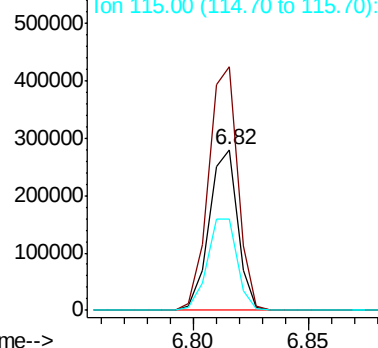


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

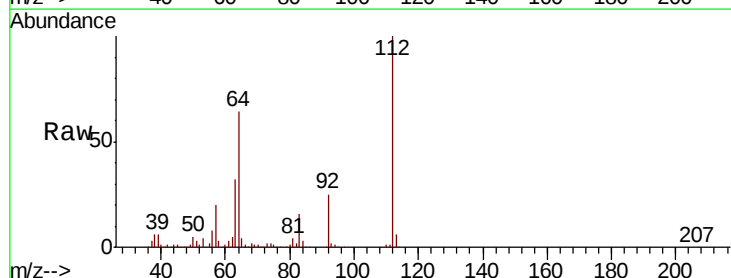
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.030 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	56.7	85.1
63	32.4	29.5	44.3

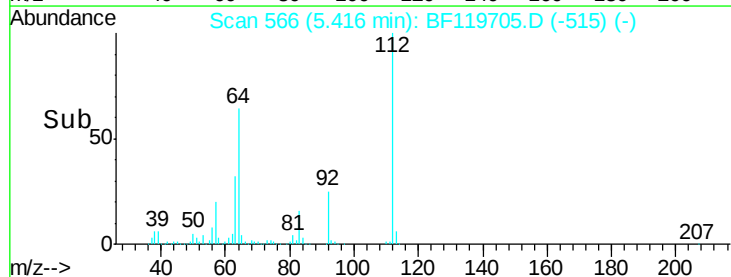
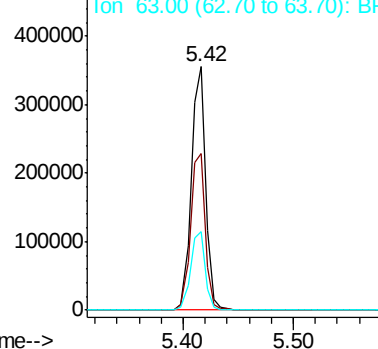


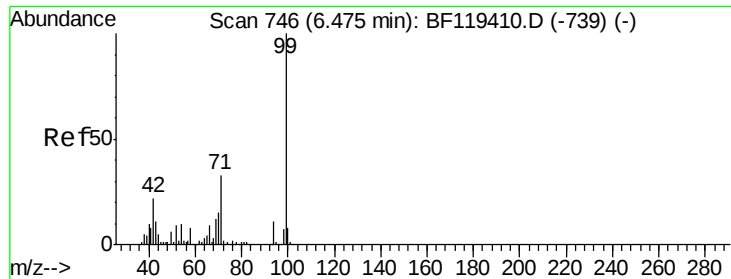
Abundance

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: 20.731 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

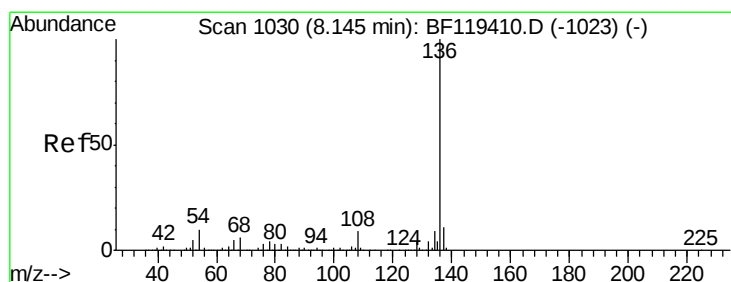
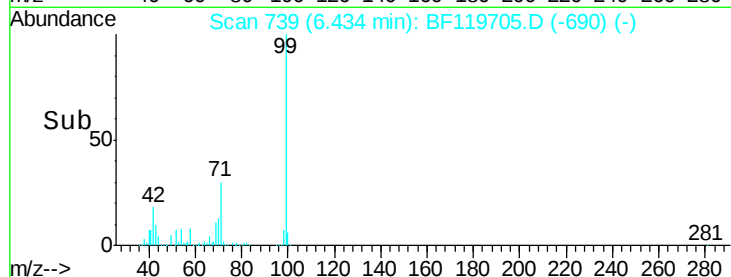
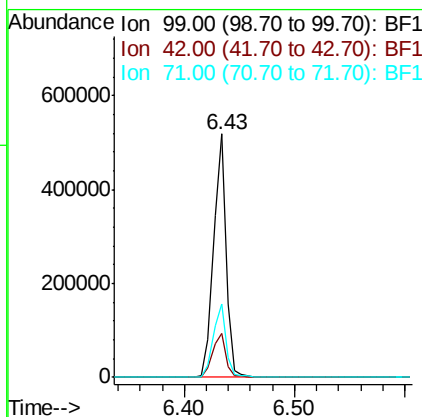
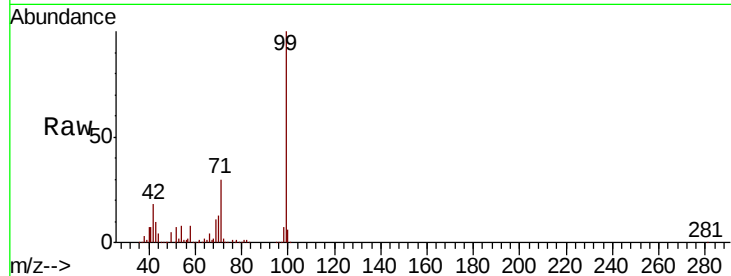
ClientSampleId :

PL-03-033020

Tot Ion:	99	Resp:	402538
Ion	Ratio	Lower	Upper
99	100		
42	18.3	16.6	24.8
71	30.0	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

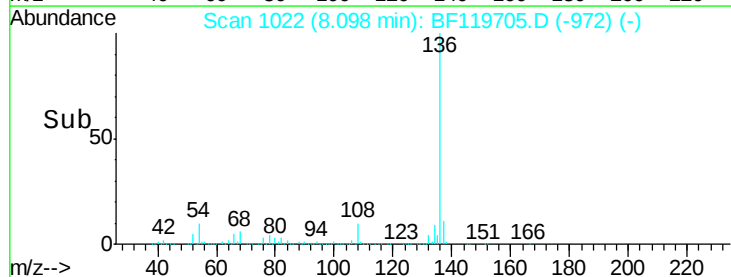
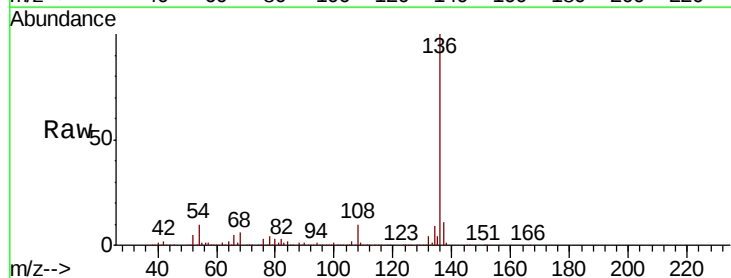
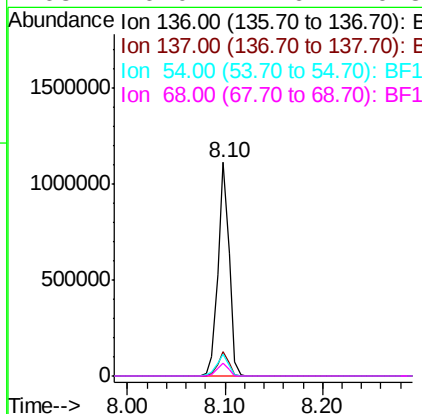
RT: 8.10 min Scan# 1022

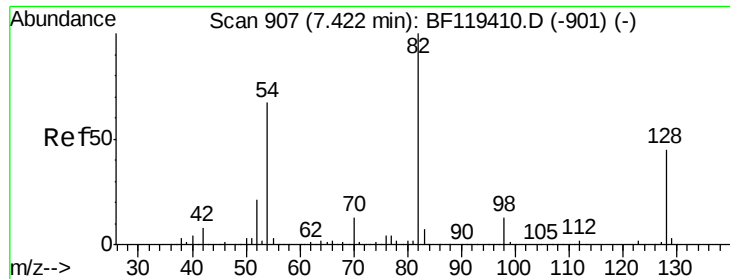
Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Tgt Ion:	136	Resp:	880818
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	10.5	9.1	13.7
68	6.0	4.6	6.8





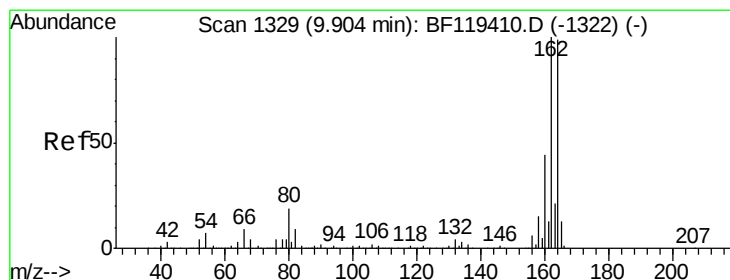
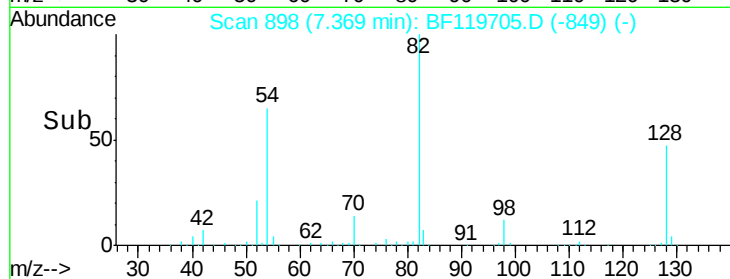
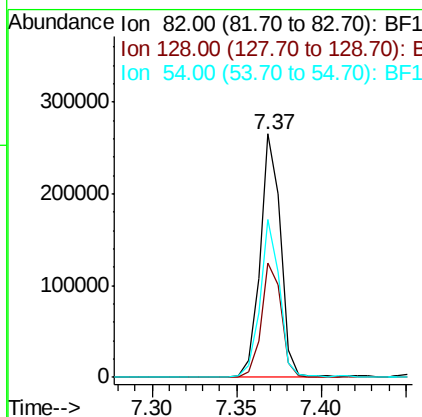
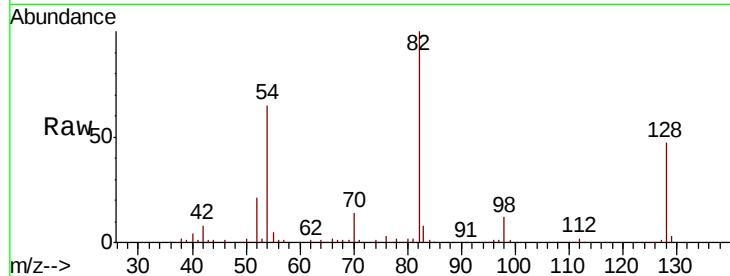
#23
Nitrobenzene-d5
Concen: 13.848 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Instrument :
BNA_F
ClientSampleId :
PL-03-033020

Tot Ion	82	Resp	224427
Ion Ratio	100	Lower	Upper
82	100		
128	46.8	36.3	54.5
54	65.0	50.6	75.8

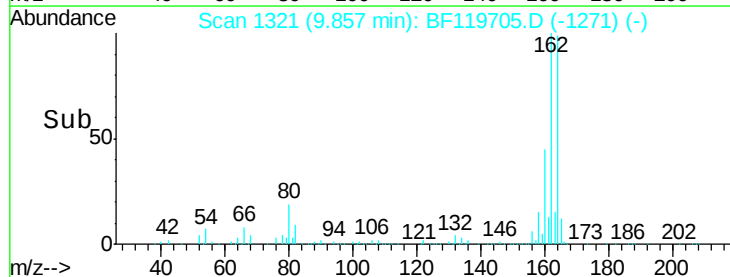
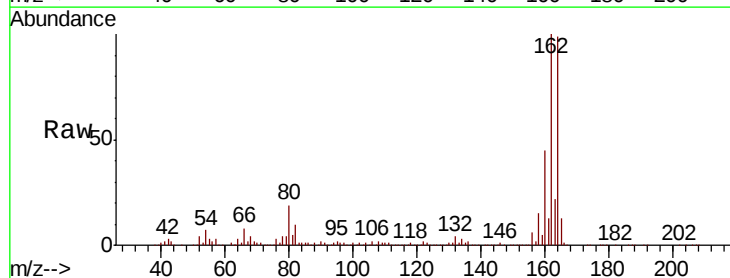
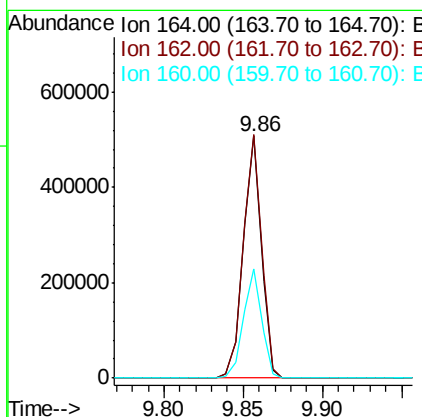
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion	164	Resp	400943
Ion Ratio	100	Lower	Upper
164	100		
162	100.6	80.6	121.0
160	45.3	35.7	53.5





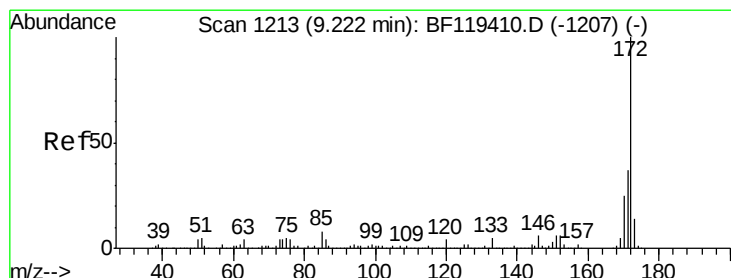
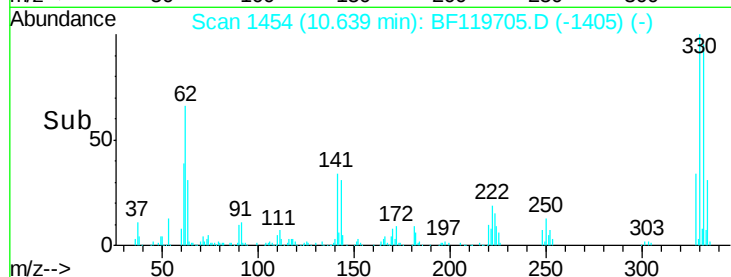
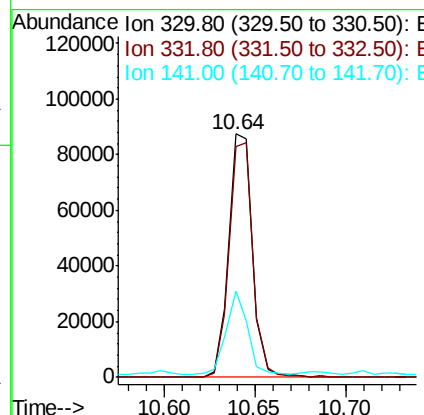
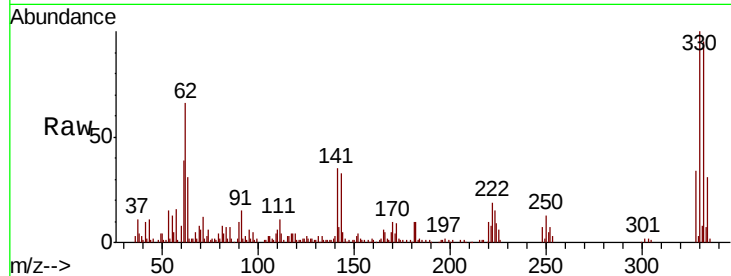
#42
 2,4,6-Tribromophenol
 Concen: 19.402 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.7	113.5
141	30.7	25.4	38.0

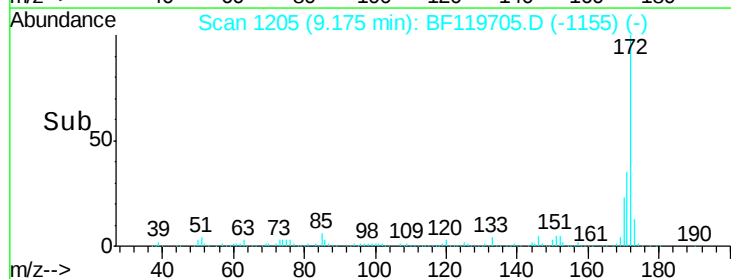
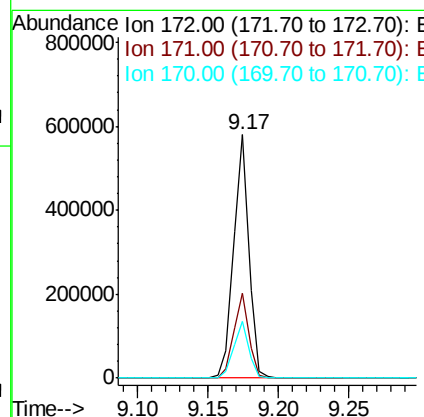
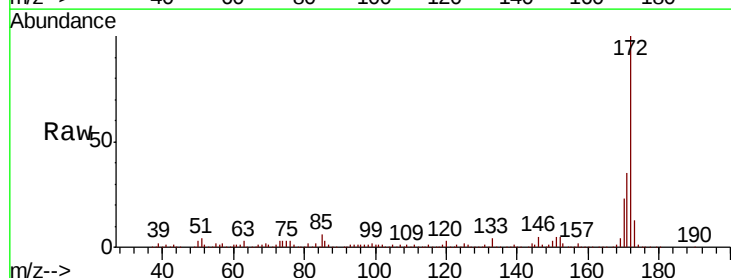
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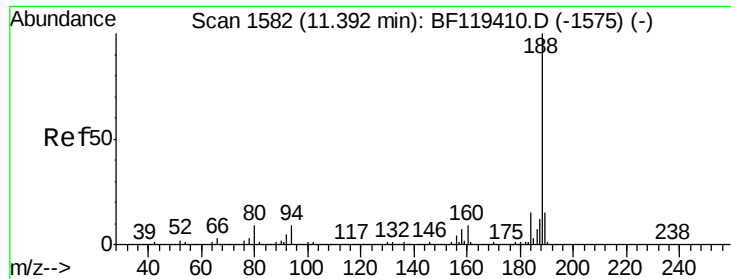
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#45
 2-Fluorobiphenyl
 Concen: 16.102 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.4	20.2	30.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

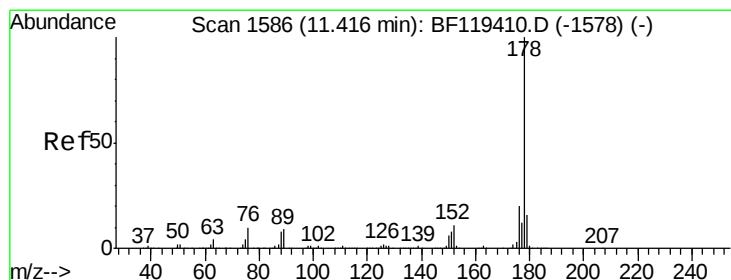
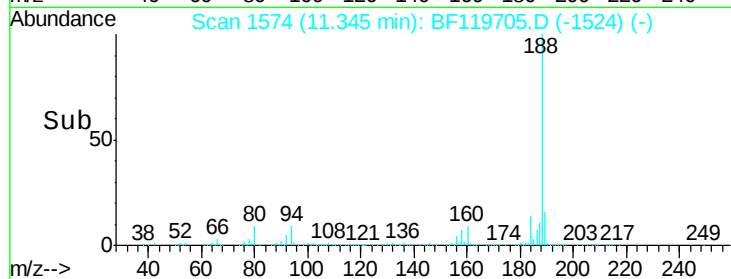
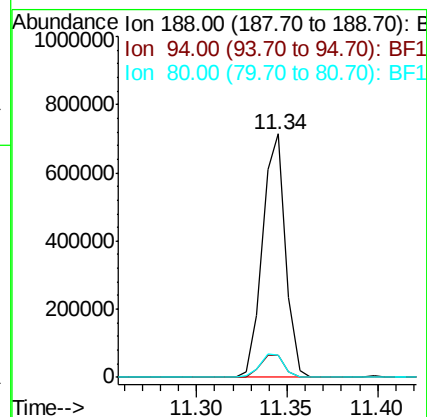
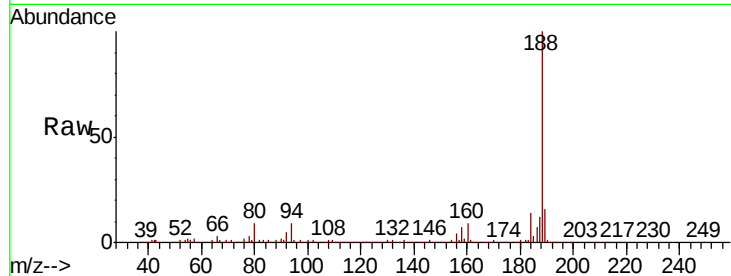
ClientSampleId :

PL-03-033020

Tot Ion:	188	Resp:	629994
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.5	11.3
80	9.0	9.0	13.4

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#71

Phenanthrene

Concen: 10.537 ng

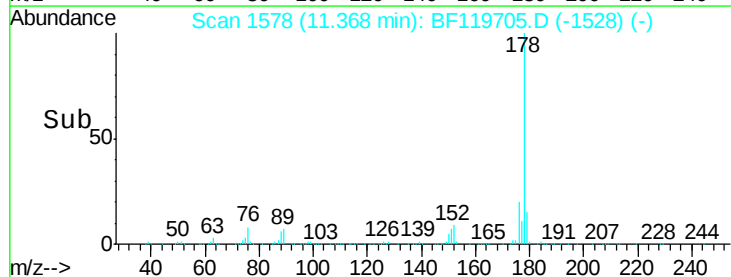
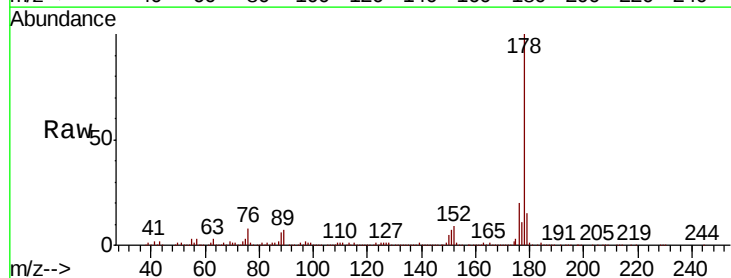
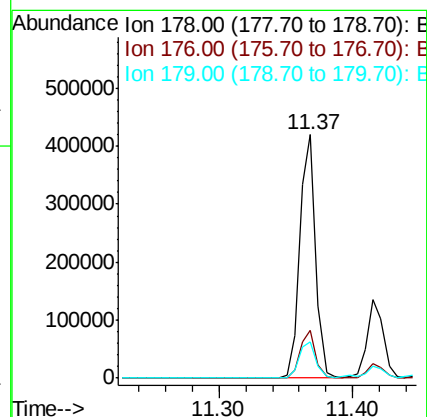
RT: 11.37 min Scan# 1578

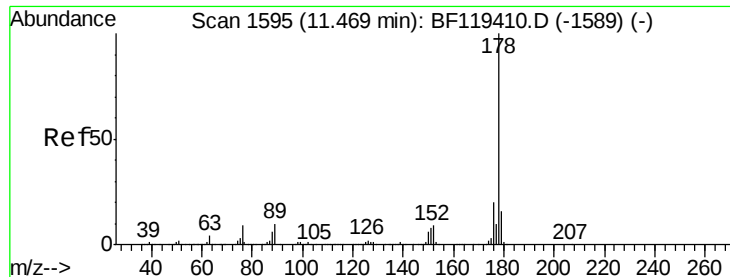
Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Tgt Ion:	178	Resp:	344221
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.4
179	15.0	13.2	19.8





#72

Anthracene

Concen: 3.288 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

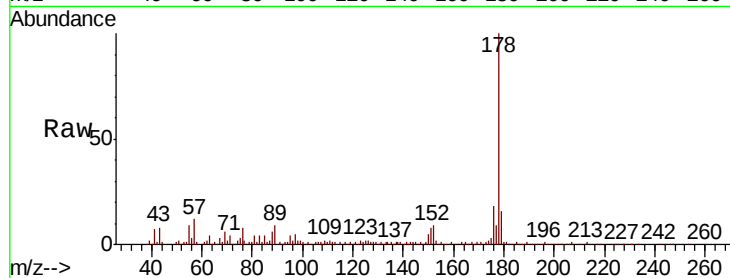
ClientSampleId :

PL-03-033020

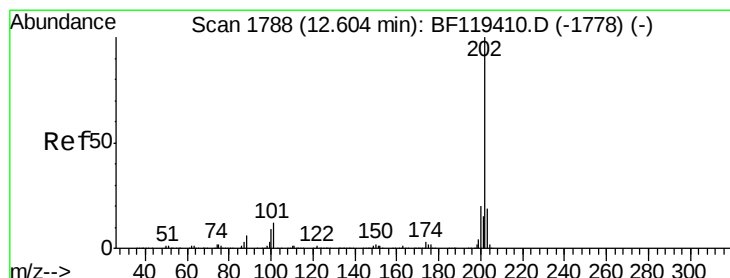
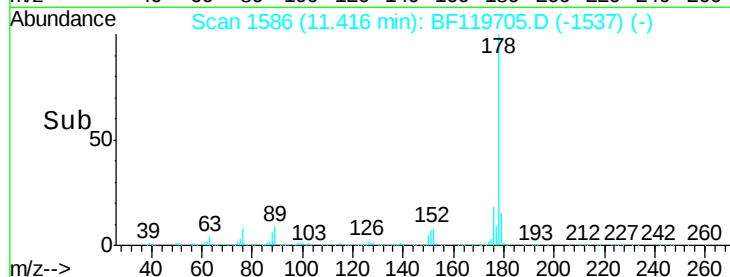
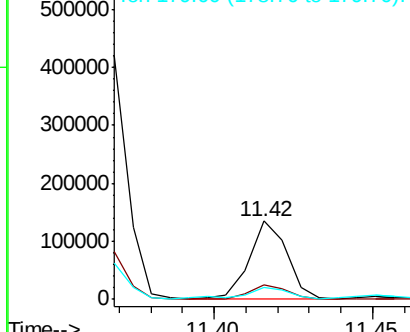
Tot Ion:	178	Resp:	109158
Ion Ratio	Lower	Upper	
178	100		
176	17.8	16.1	24.1
179	15.6	13.0	19.4

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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: 11.874 ng

RT: 12.56 min Scan# 1780

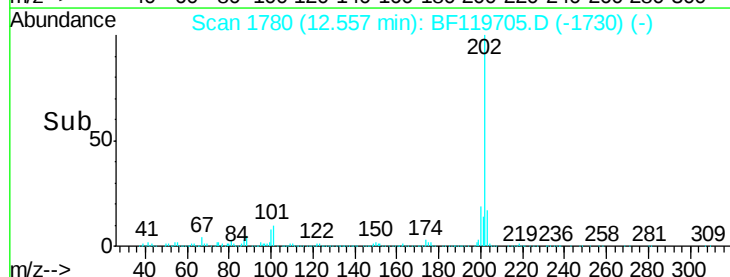
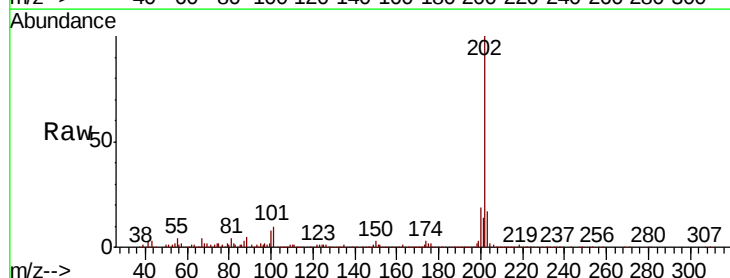
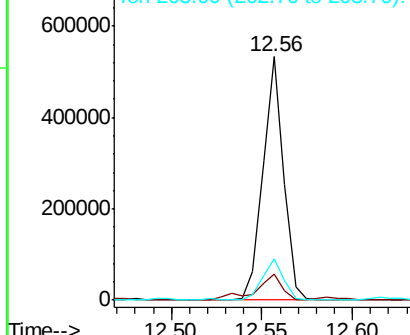
Delta R.T. -0.01 min

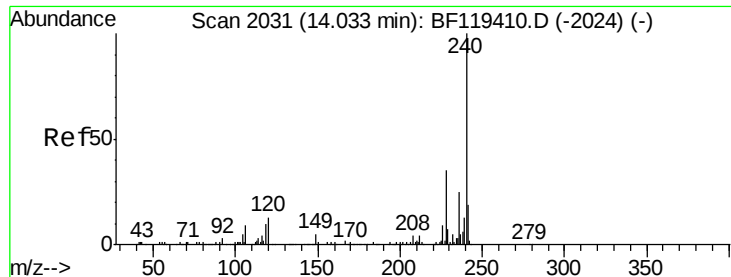
Lab File: BF119705.D

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Tgt Ion:	202	Resp:	419768
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	32.2
203	17.0	0.0	38.8

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





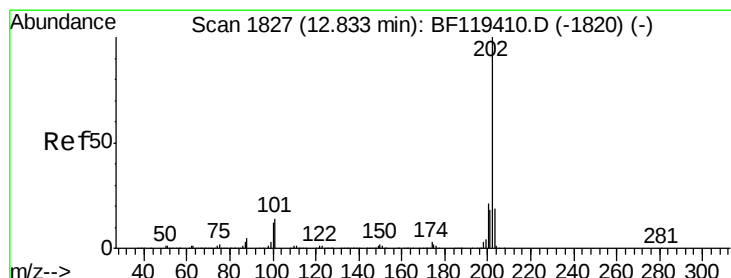
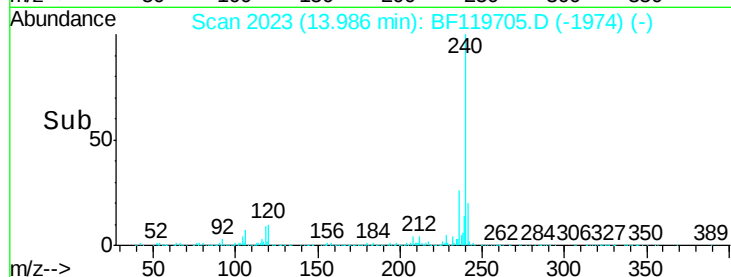
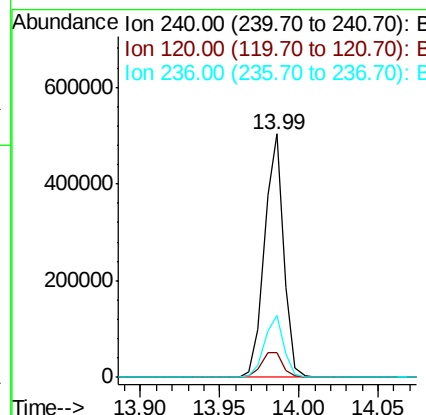
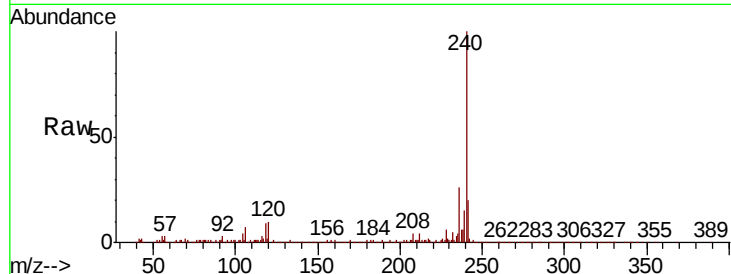
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.6	15.8#
236	25.6	20.2	30.2

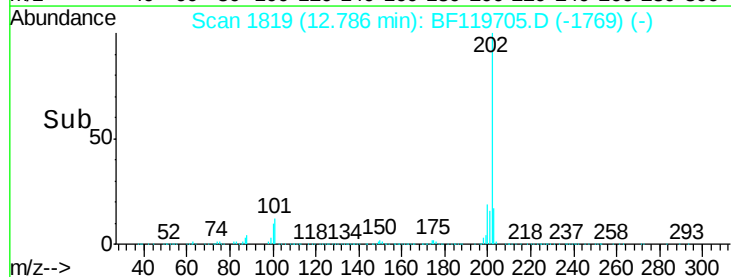
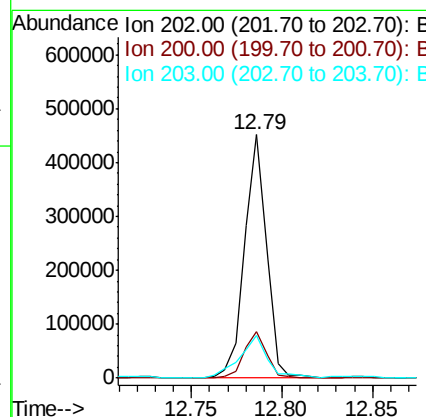
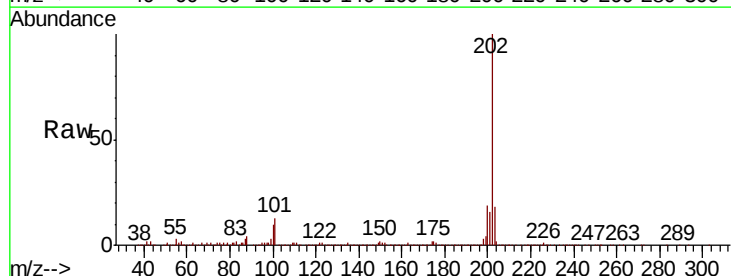
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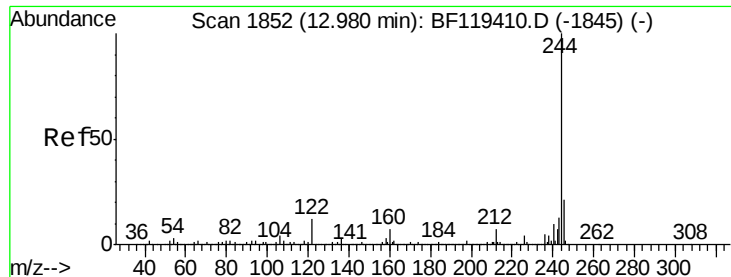
mohammad
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#78
 Pyrene
 Concen: 10.914 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.8	25.2
203	17.5	15.1	22.7





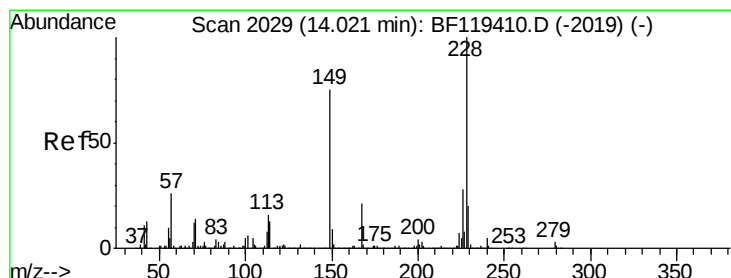
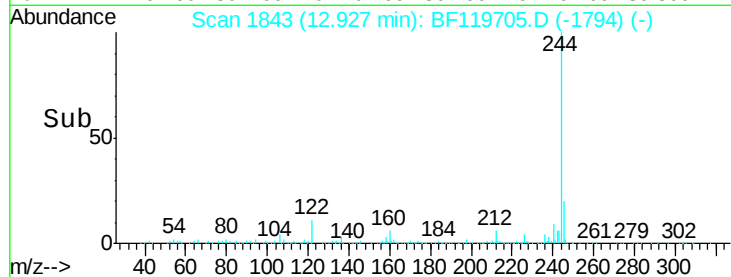
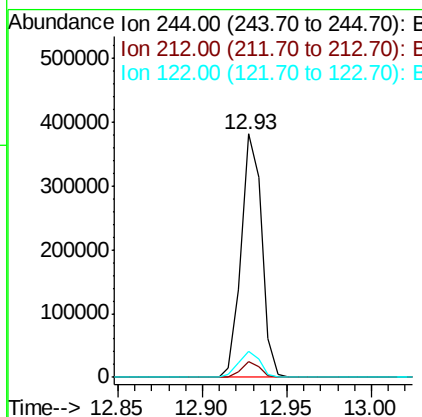
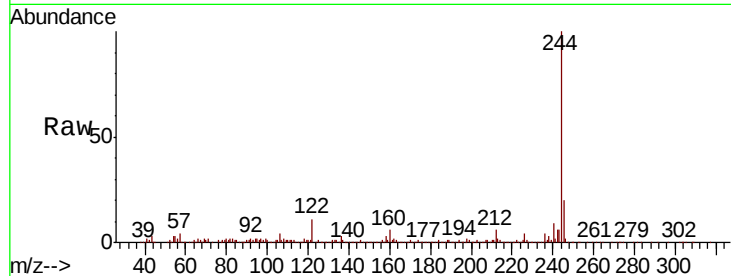
#79
 Terphenyl-d14
 Concen: 15.008 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Tot Ion:244	Resp:	324019
Ion Ratio	Lower	Upper
244 100		
212 6.3	5.8	8.8
122 10.9	10.3	15.5

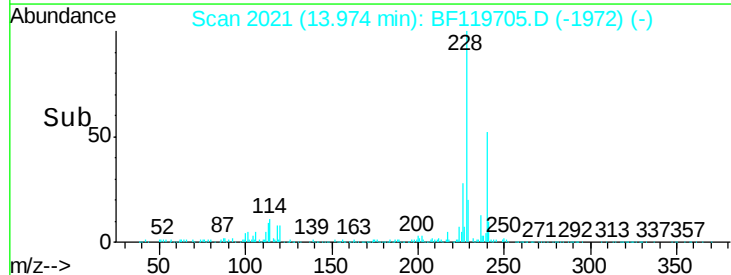
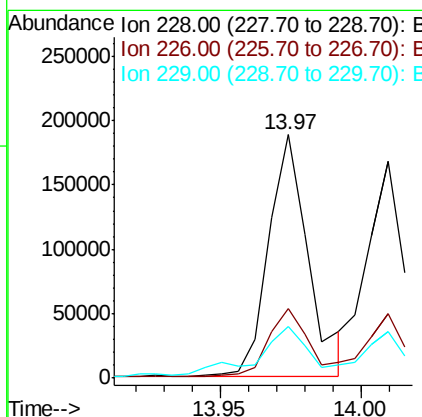
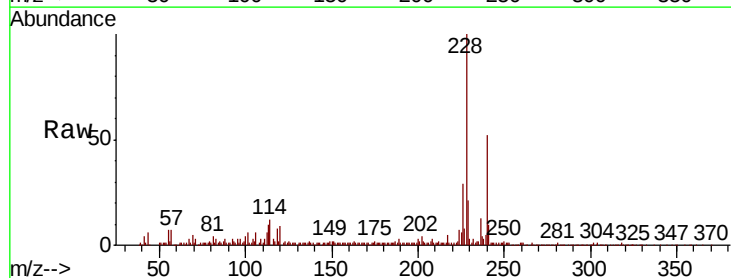
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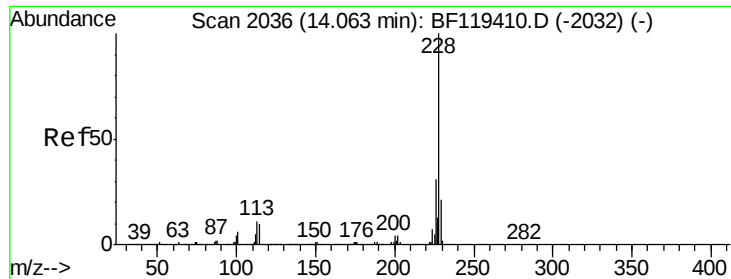
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#81
 Benzo(a)anthracene
 Concen: 6.663 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Tgt Ion:228	Resp:	183273
Ion Ratio	Lower	Upper
228 100		
226 28.5	21.8	32.8
229 21.0	16.2	24.4





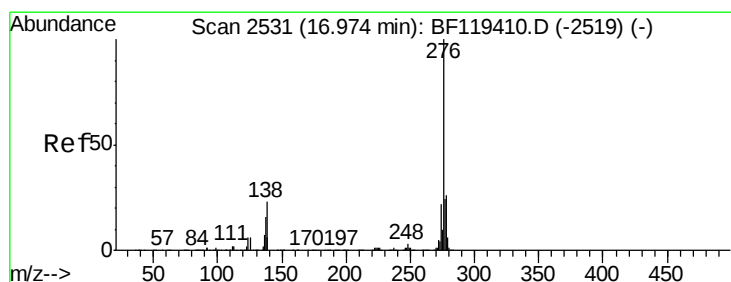
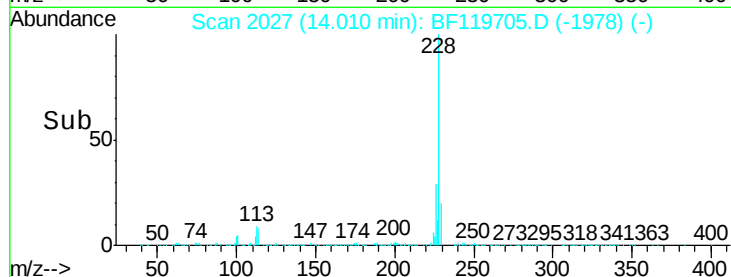
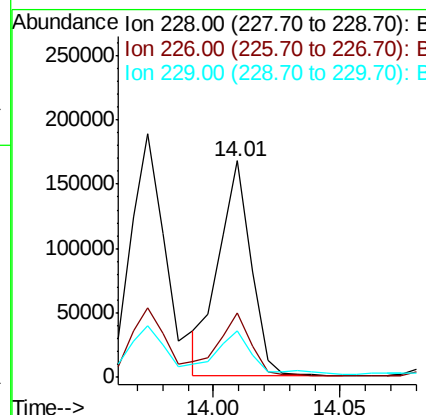
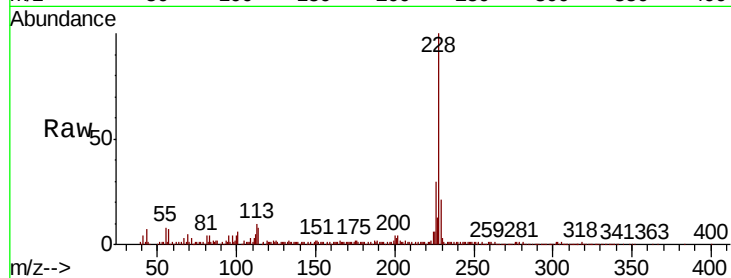
#83
Chrysene
Concen: 5.285 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Instrument :
BNA_F
ClientSampleId :
PL-03-033020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		150022		
226	29.7	25.4	38.0		
229	21.2	16.6	24.8		

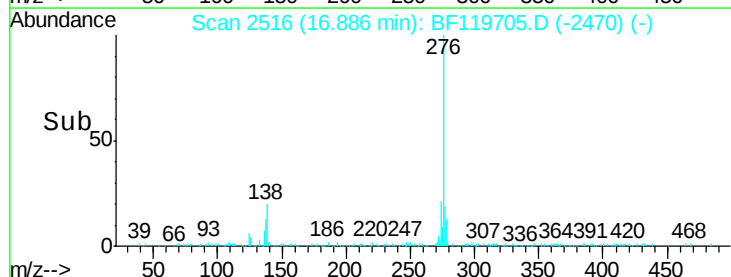
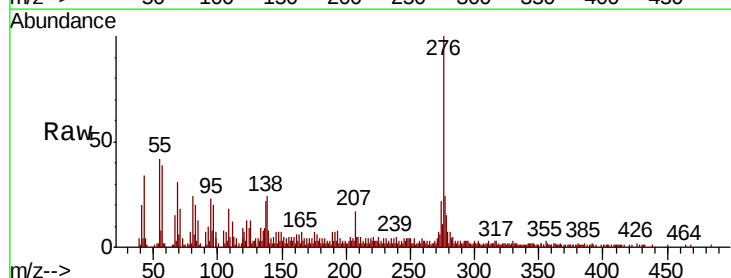
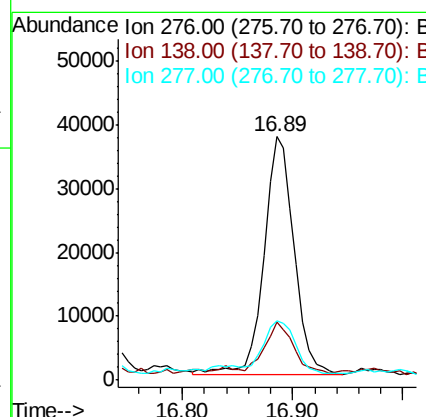
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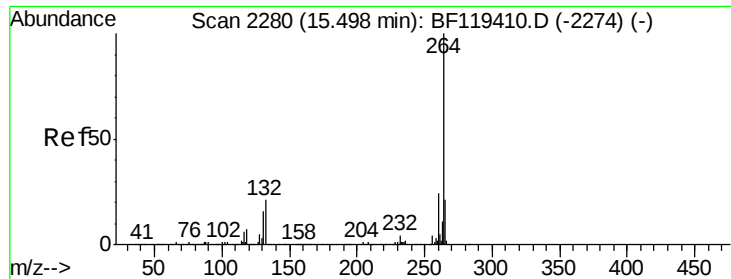
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.655 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.03 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		70980		
138	20.3	19.6	29.4		
277	24.1	20.0	30.0		





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

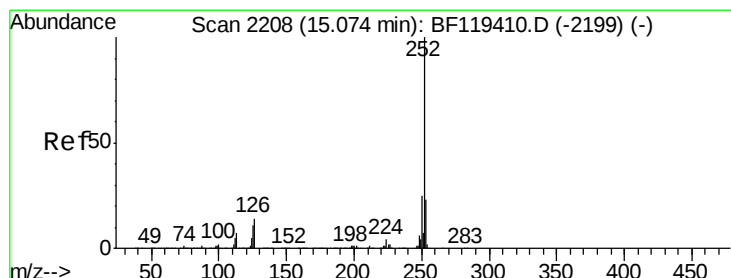
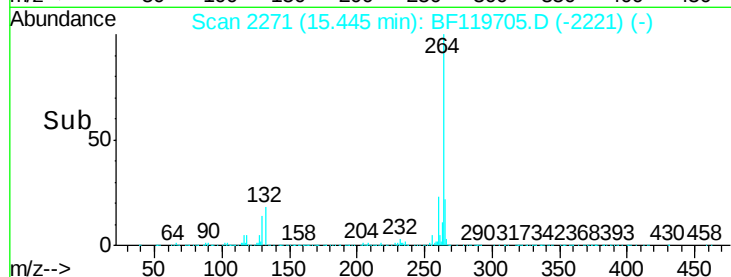
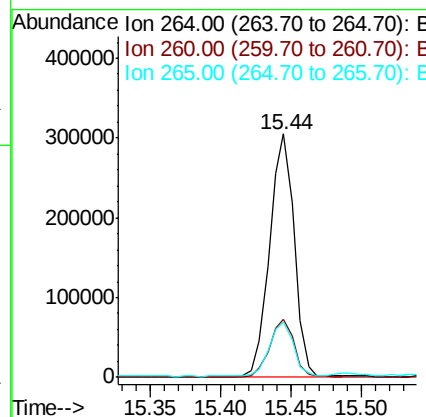
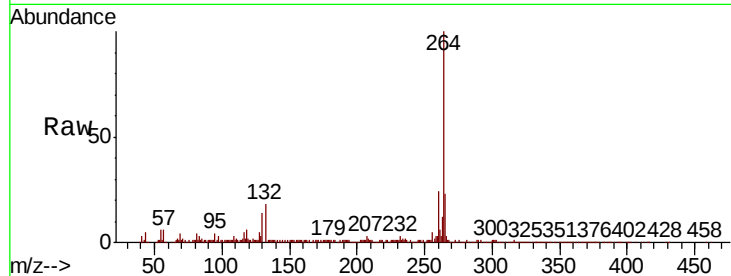
ClientSampleId :

PL-03-033020

Tot Ion:	264	Resp:	372813
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	22.6	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 7.190 ng m

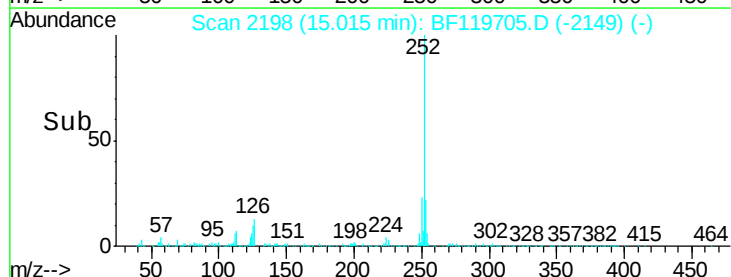
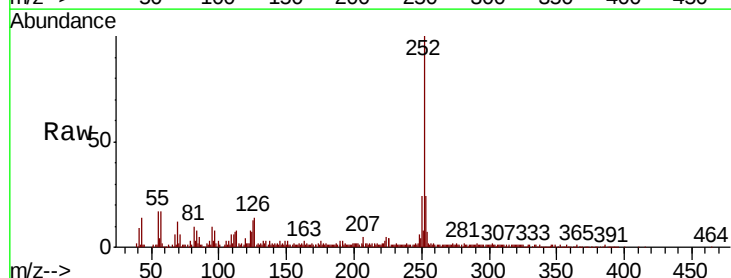
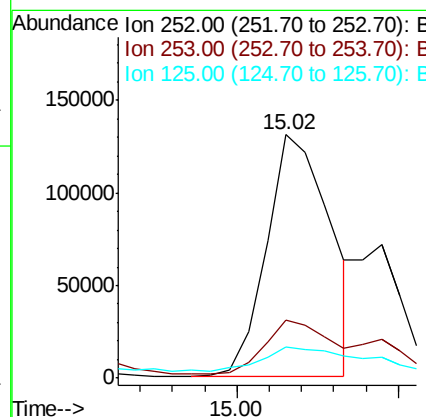
RT: 15.02 min Scan# 2198

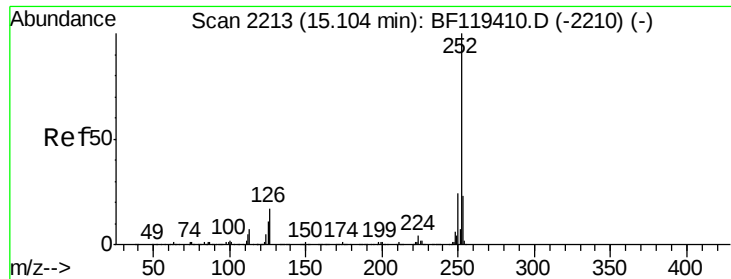
Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Tgt Ion:	252	Resp:	179059
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.0
125	12.7	7.9	11.9#





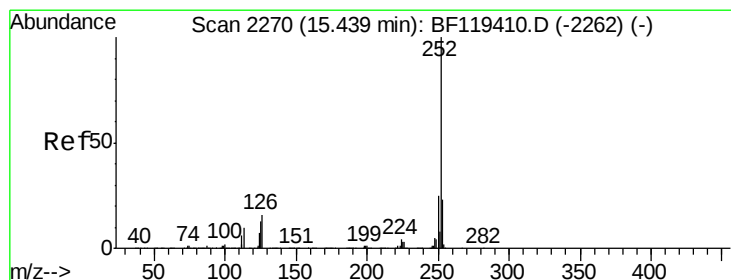
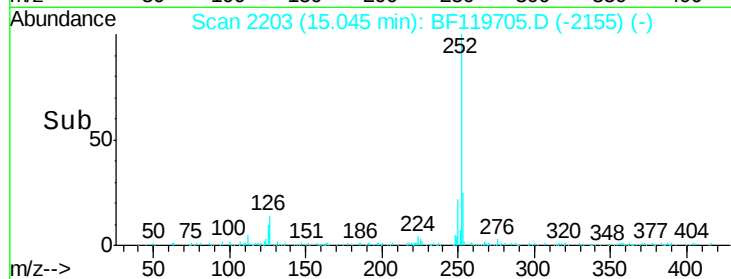
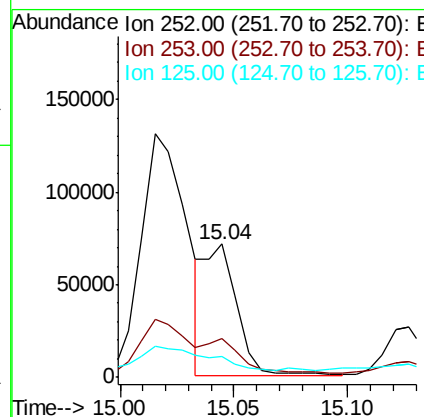
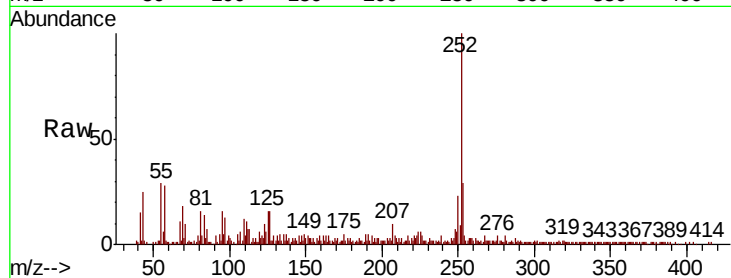
#89
Benzo(k)fluoranthene
Concen: 2.903 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Instrument :
BNA_F
ClientSampleId :
PL-03-033020

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.8	26.6#
125	16.0	8.4	12.6#

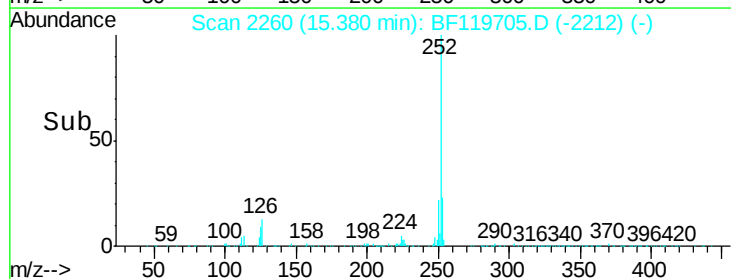
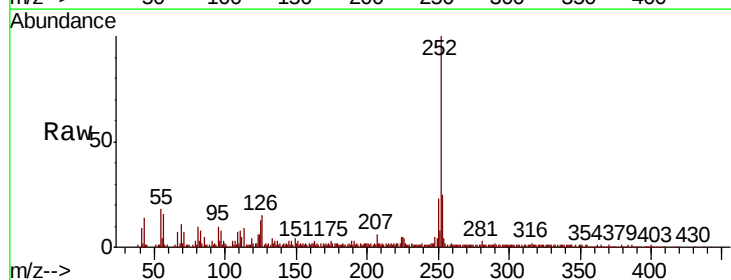
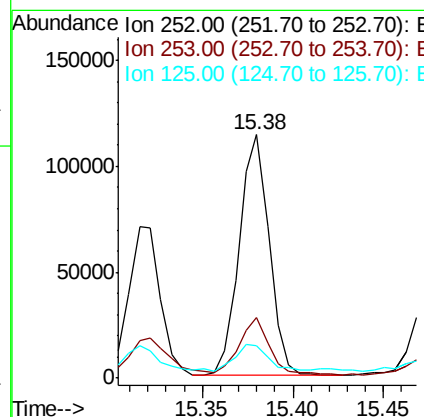
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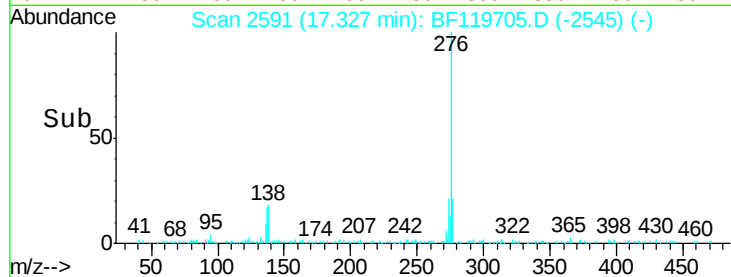
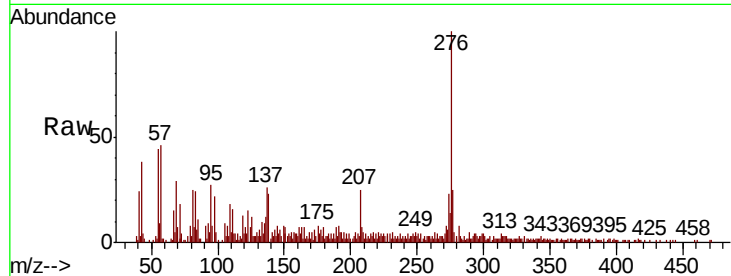
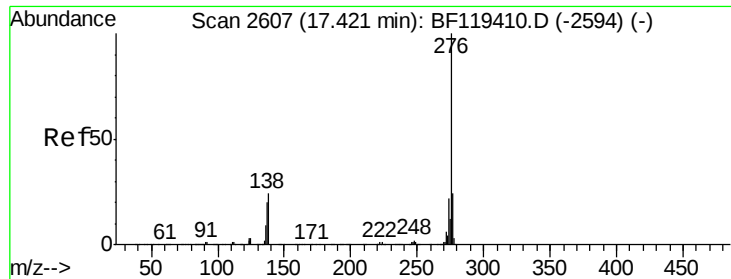
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#90
Benzo(a)pyrene
Concen: 5.786 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	13.2	9.4	14.2





#92
 Benzo(a,h,i)perylene
 Concen: 3.289 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.03 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	22.9	15.4	23.0

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