

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
 Data File : BF119639.D
 Acq On : 30 Mar 2020 18:05
 Operator : MA/SJ
 Sample : L1762-23 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

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Quant Time: Mar 31 00:51:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	306329	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1102129	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	508948	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	829324	20.00	ng	0.00
76) Chrysene-d12	14.02	240	563578	20.00	ng	0.00
87) Perylene-d12	15.48	264	531842	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	359353	18.67	ng	0.00
7) Phenol-d6	6.45	99	494792	20.13	ng	-0.02
23) Nitrobenzene-d5	7.39	82	222503	10.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	66708	12.70	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	587986	17.12	ng	0.00
79) Terphenyl-d14	12.96	244	485179	16.87	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	79410	2.197	ng	99
71) Phenanthrene	11.39	178	882141	20.514	ng	98
72) Anthracene	11.44	178	191157	4.374	ng	97
75) Fluoranthene	12.59	202	1333369	28.651	ng	98
78) Pyrene	12.82	202	1448617	31.320	ng	98
81) Benzo(a)anthracene	14.00	228	604943	16.507	ng	96
83) Chrysene	14.04	228	660786	17.471	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	252019	7.075	ng	98
88) Benzo(b)fluoranthene	15.05	252	639954m	18.013	ng	
89) Benzo(k)fluoranthene	15.07	252	213705m	6.317	ng	
90) Benzo(a)pyrene	15.42	252	493829	15.295	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	69203	2.451	ng	94
92) Benzo(a,h,i)perylene	17.38	276	245521	8.654	ng	93

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

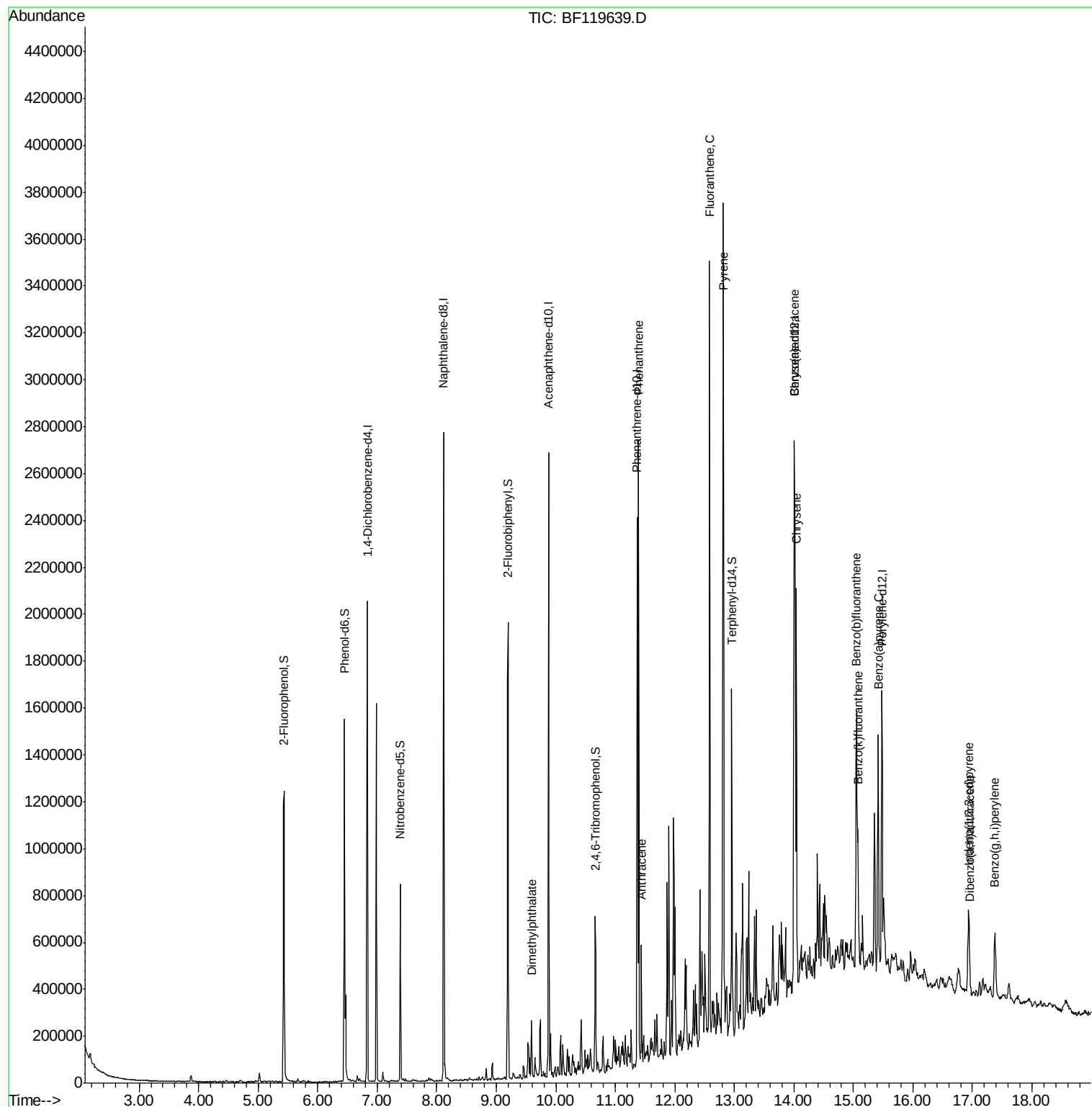
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
Operator : MA/SJ
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ALS Vial : 12 Sample Multiplier: 1

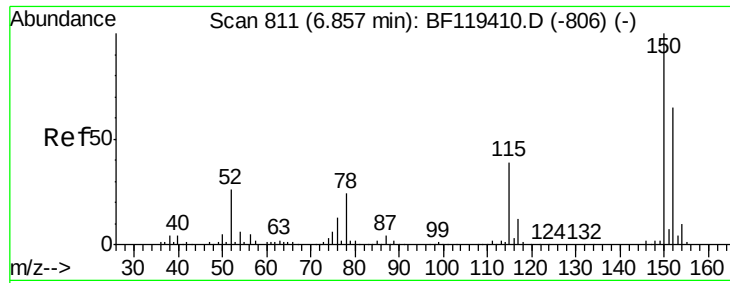
Instrument :
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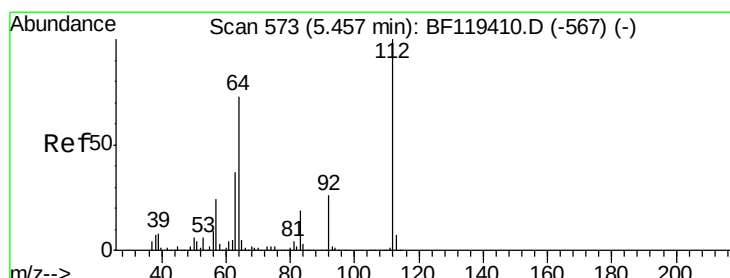
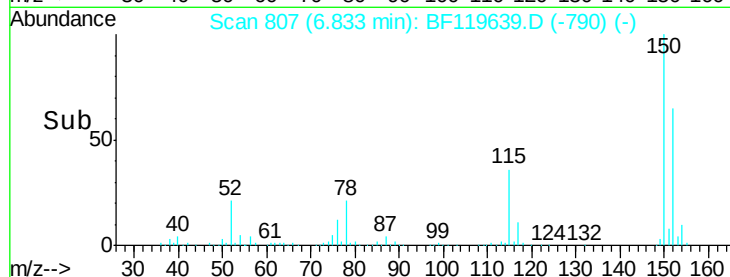
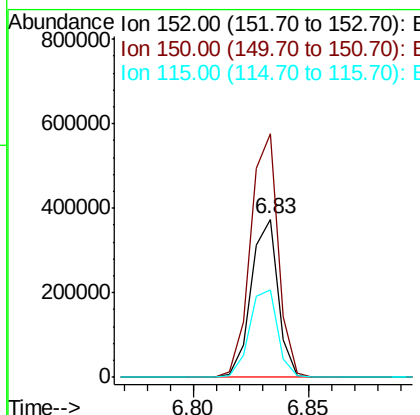
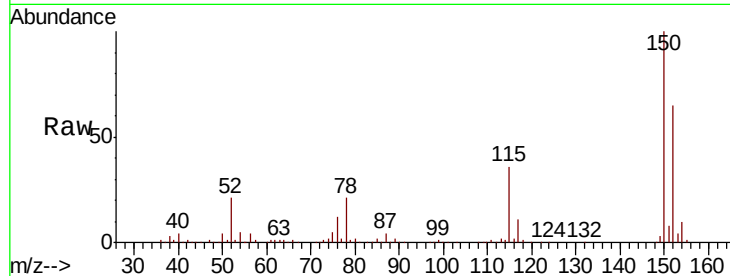
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.5	186.7
115	55.6	49.6	74.4

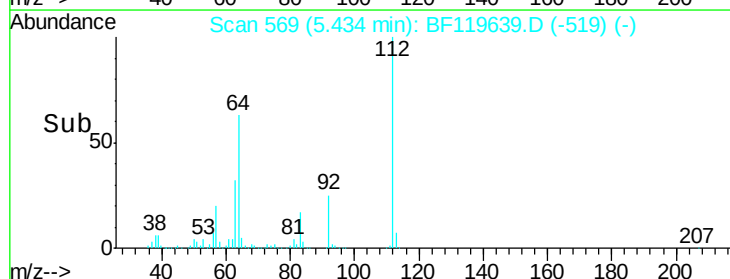
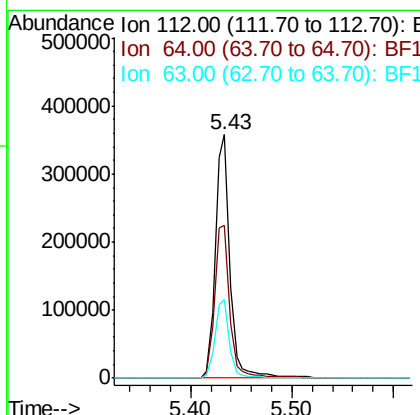
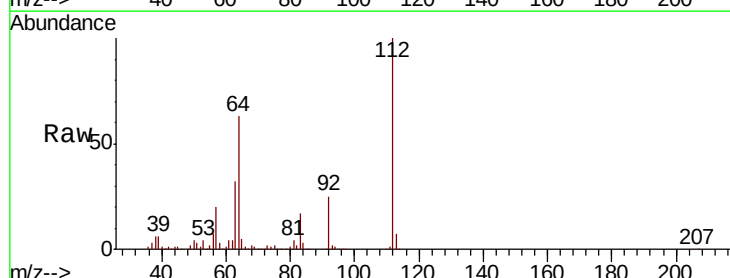
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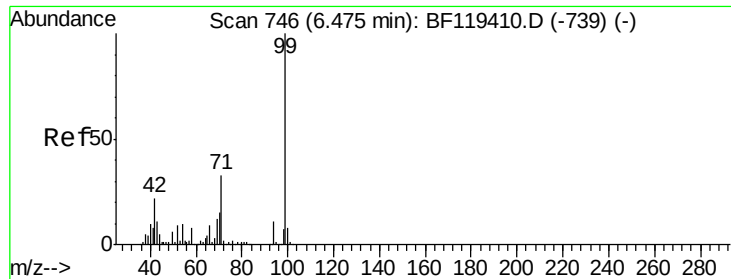
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#5
 2-Fluorophenol
 Concen: 18.675 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	56.7	85.1
63	32.1	29.5	44.3





#7

Phenol-d6

Concen: 20.129 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Instrument :

BNA_F

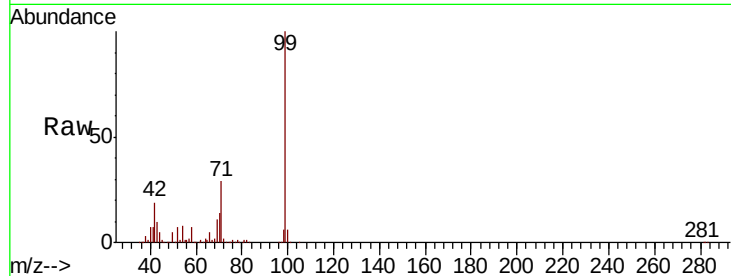
ClientSampleId :

TR-04-032720

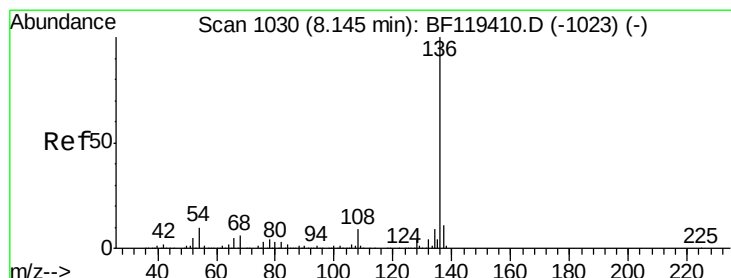
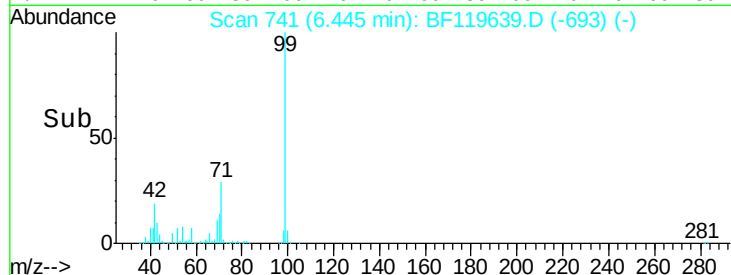
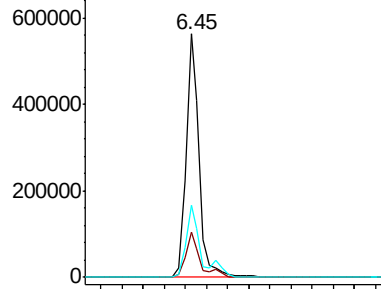
Tot Ion:	99	Resp:	494792
Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.6	24.8
71	29.4	26.4	39.6

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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: 8.12 min Scan# 1025

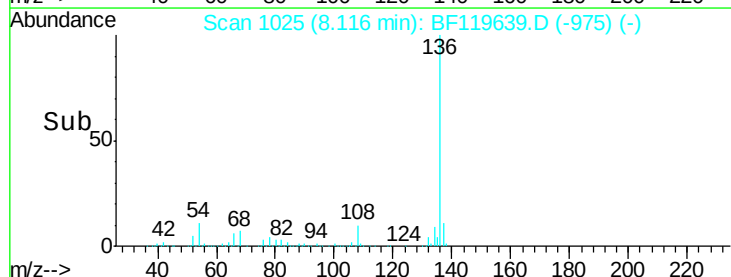
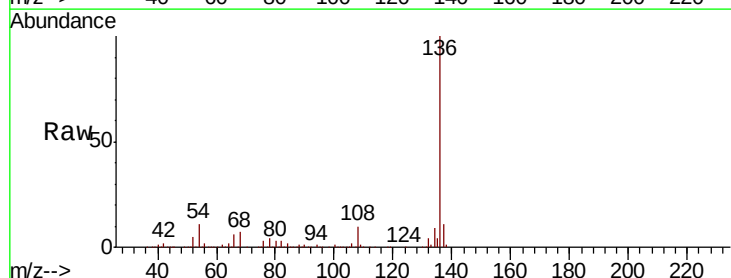
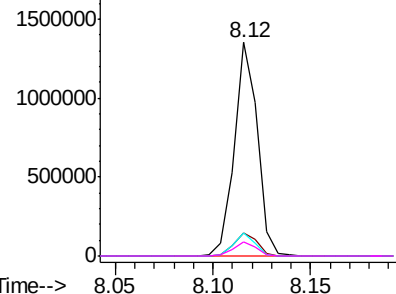
Delta R.T. -0.01 min

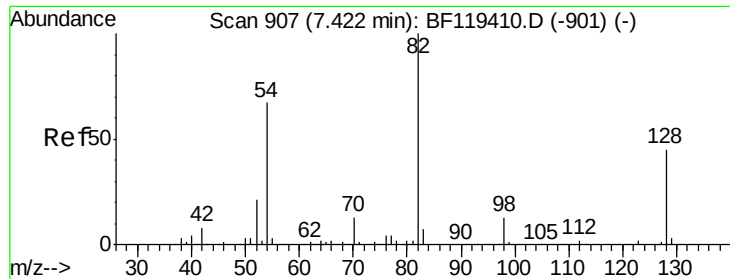
Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Tgt Ion:	136	Resp:	1102129
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.1	9.1	13.7
68	6.6	4.6	6.8

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





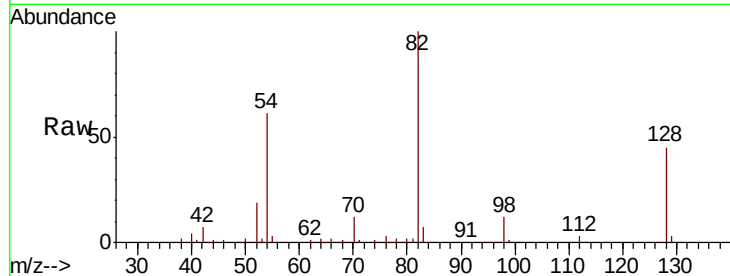
#23
 Nitrobenzene-d5
 Concen: 10.972 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

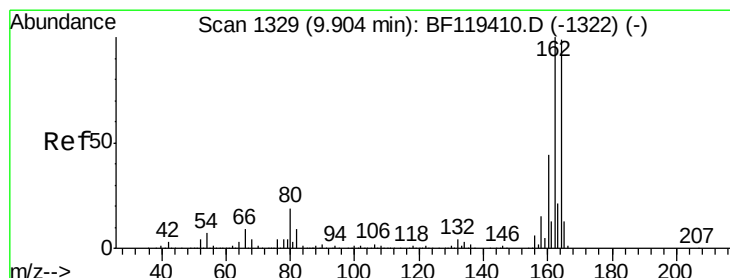
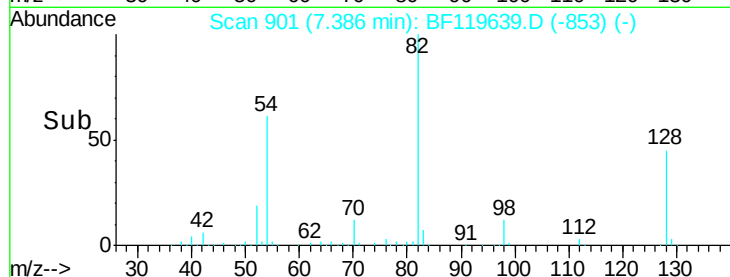
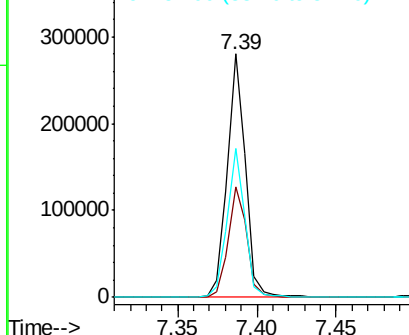
Tot Ion	Ratio	Resp	Lower	Upper
82	100	222503		
128	45.2	36.3	54.5	
54	61.0	50.6	75.8	

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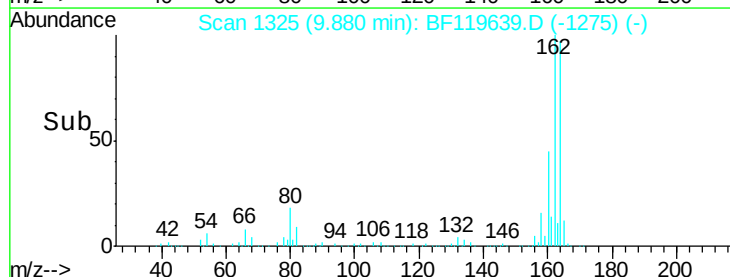
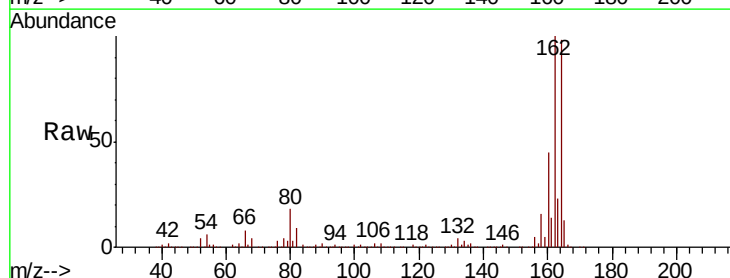
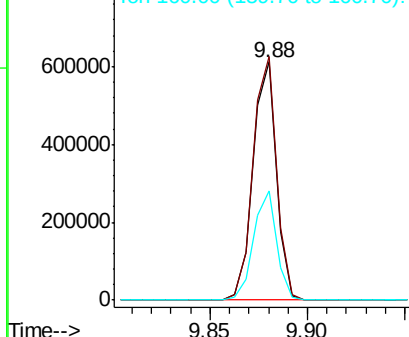
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

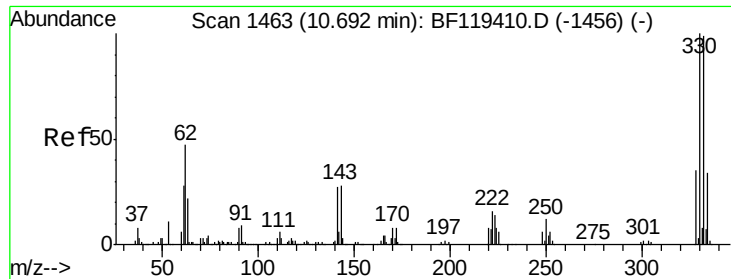


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	508948		
162	102.3	80.6	121.0	
160	45.9	35.7	53.5	

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: 12.705 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Instrument :

BNA_F

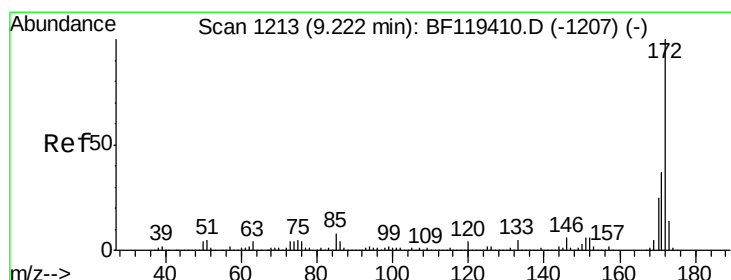
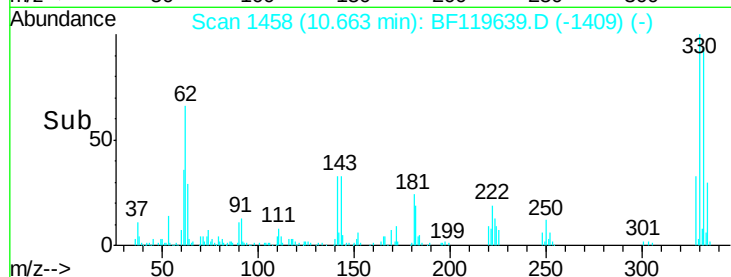
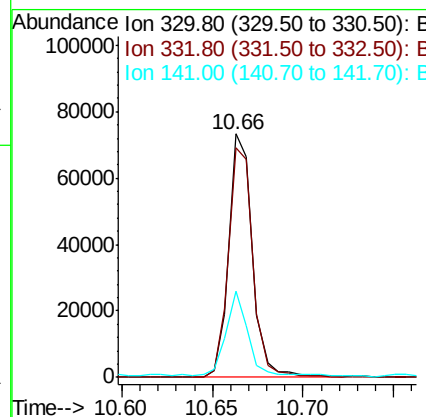
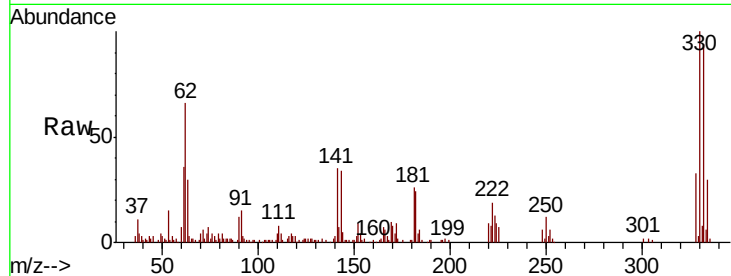
ClientSampleID :

TR-04-032720

Tot Ion:	330	Resp:	66708
Ion Ratio	Lower	Upper	
330	100		
332	97.7	75.7	113.5
141	36.0	25.4	38.0

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#45

2-Fluorobiphenyl

Concen: 17.115 ng

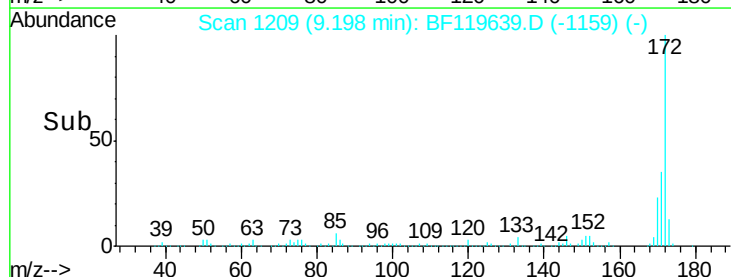
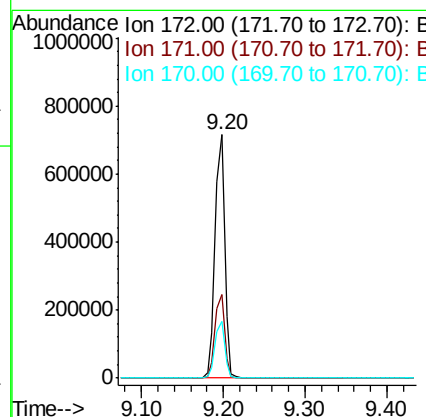
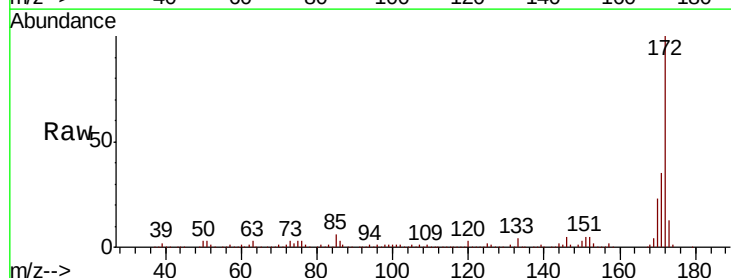
RT: 9.20 min Scan# 1209

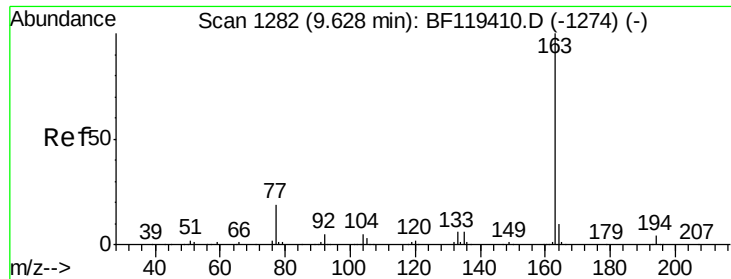
Delta R.T. -0.01 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Tgt Ion:	172	Resp:	587986
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.6	44.4
170	23.4	20.2	30.2





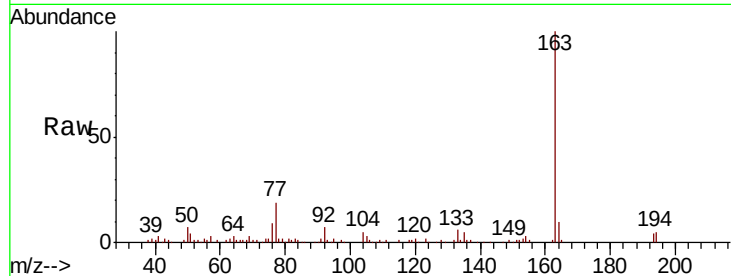
#50
Dimethylphthalate
Concen: 2.197 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

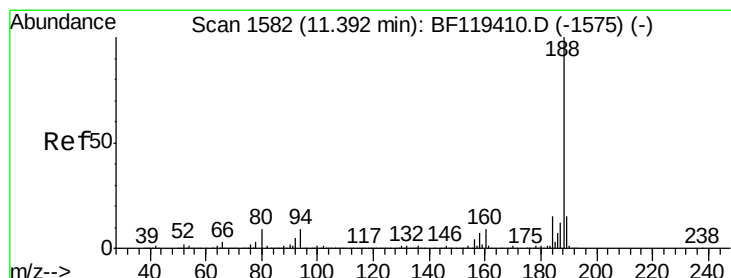
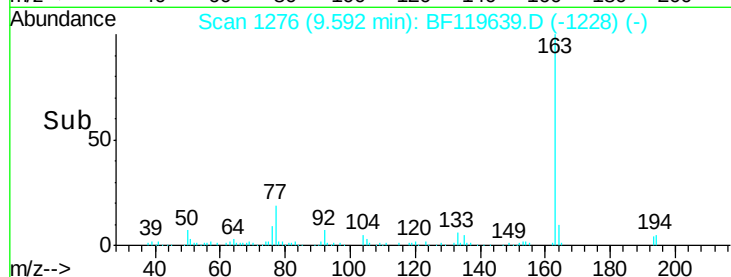
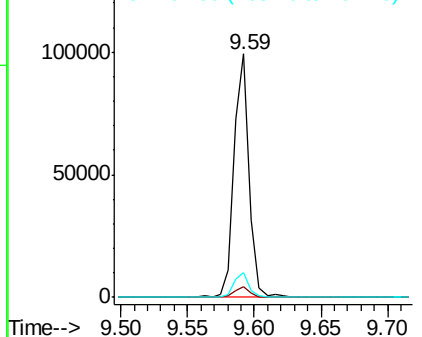
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		79410		
194	4.5		3.1	4.7	
164	10.1		8.2	12.2	

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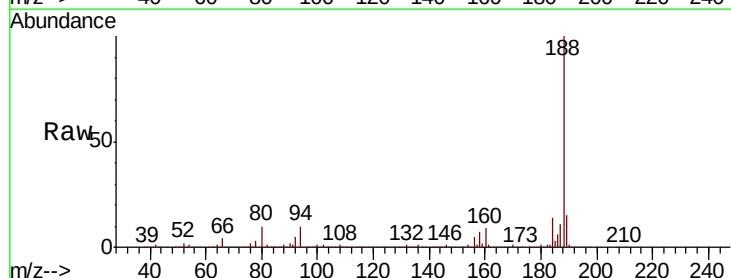


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

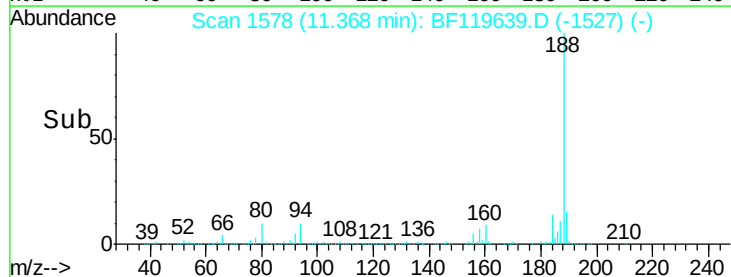
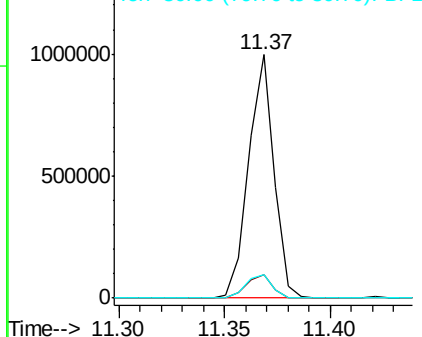


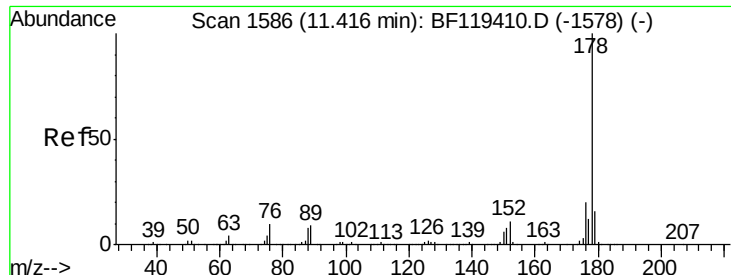
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		829324		
94	9.8		7.5	11.3	
80	9.8		9.0	13.4	



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





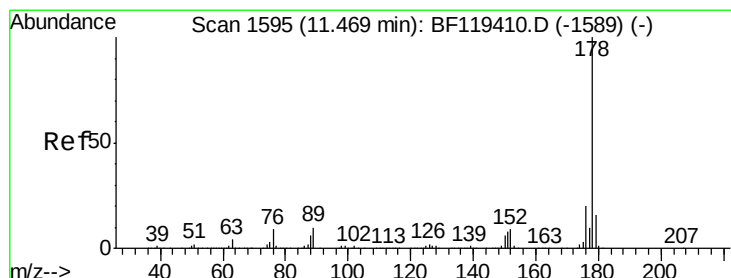
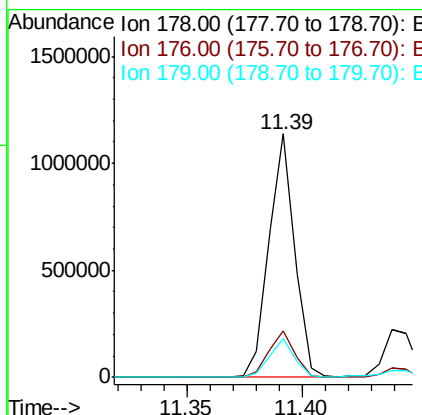
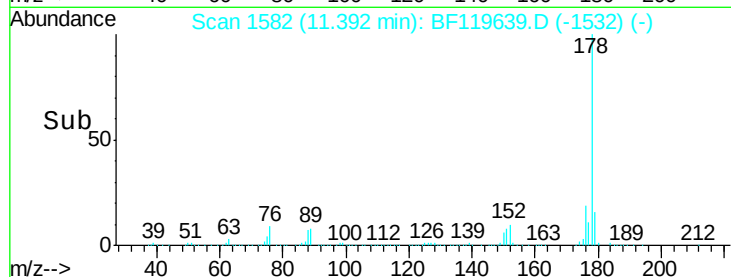
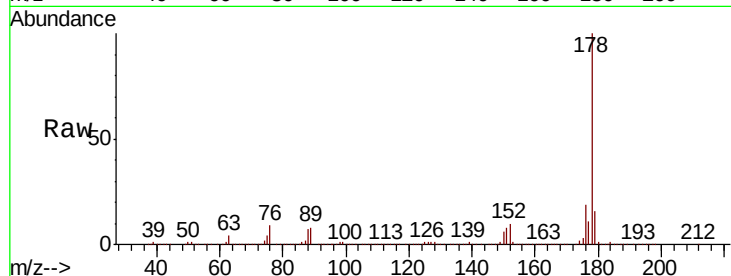
#71
Phenanthrene
Concen: 20.514 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.8	13.2	19.8

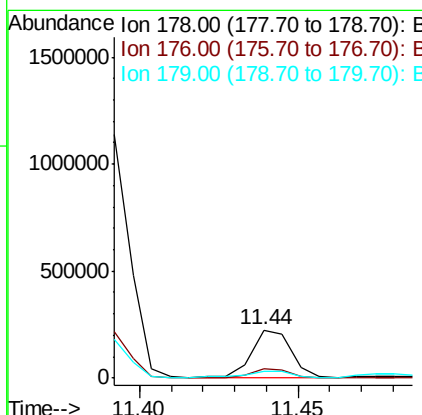
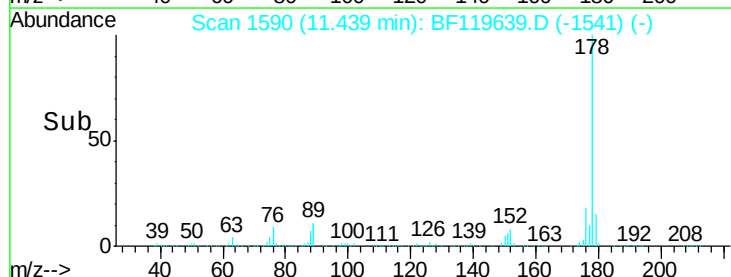
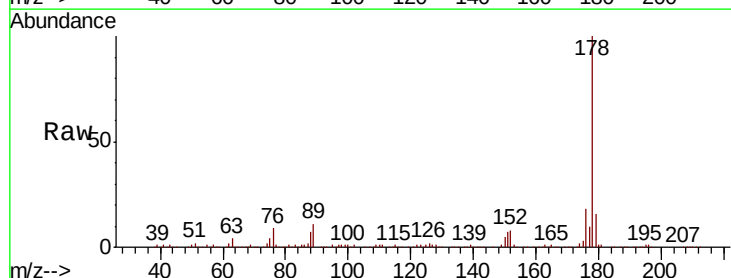
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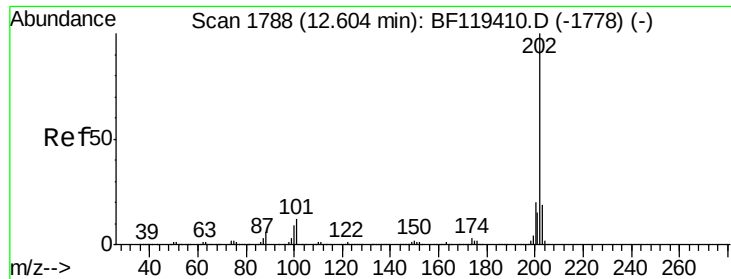
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#72
Anthracene
Concen: 4.374 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.1	24.1
179	15.6	13.0	19.4





#75

Fluoranthene

Concen: 28.651 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Instrument :

BNA_F

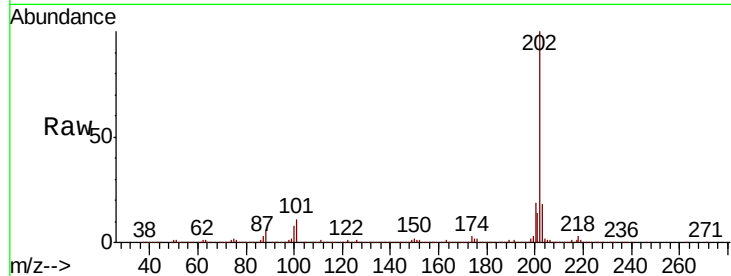
ClientSampleId :

TR-04-032720

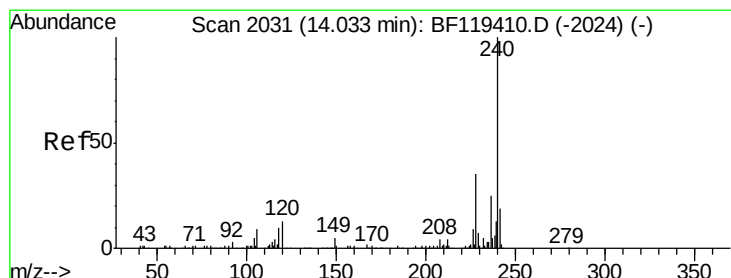
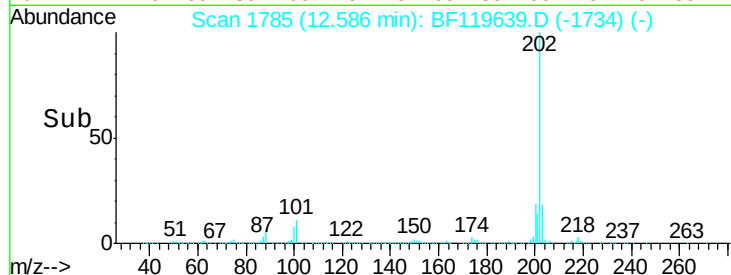
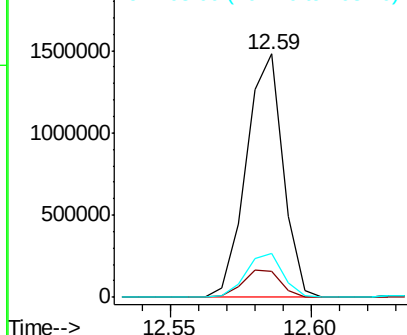
Tot Ion:	202	Resp:	1333369
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	32.2
203	18.0	0.0	38.8

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Abundance Ion 202.00 (201.70 to 202.70): E
2000000
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

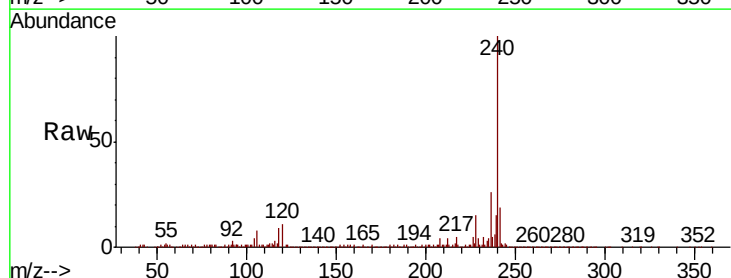
RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

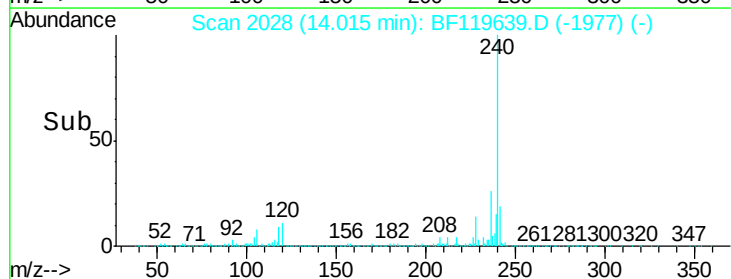
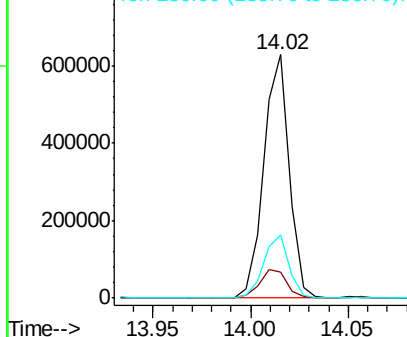
Lab File: BF119639.D

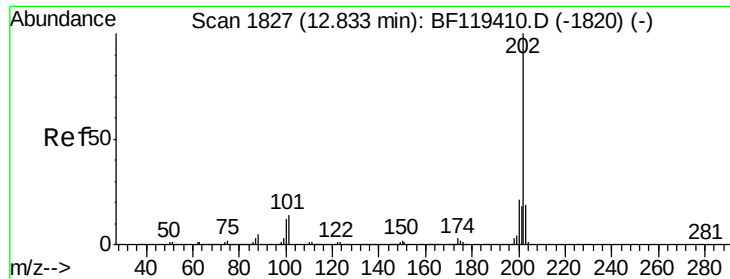
Acq: 30 Mar 2020 18:05

Tgt Ion:	240	Resp:	563578
Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.6	15.8
236	26.0	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
800000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





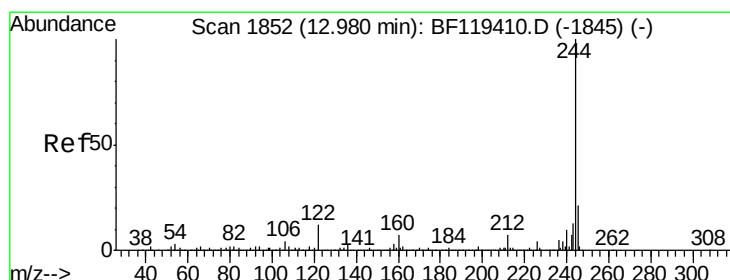
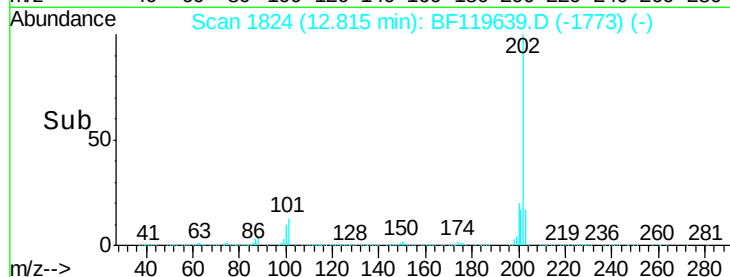
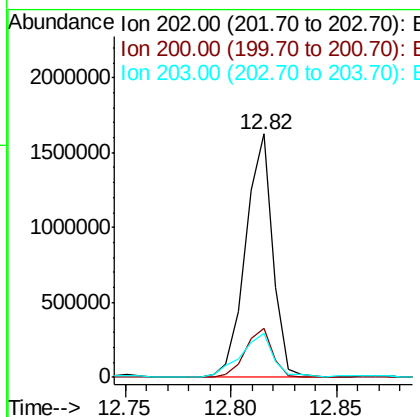
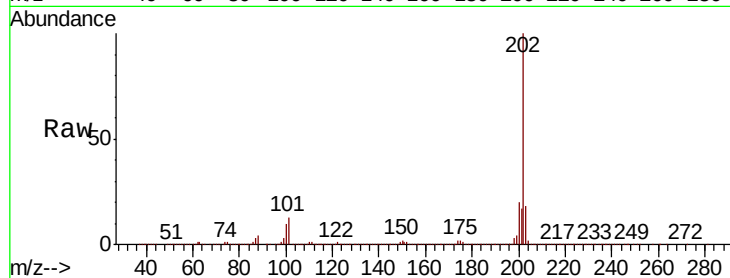
#78
Pvrene
Concen: 31.320 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.8	25.2
203	17.8	15.1	22.7

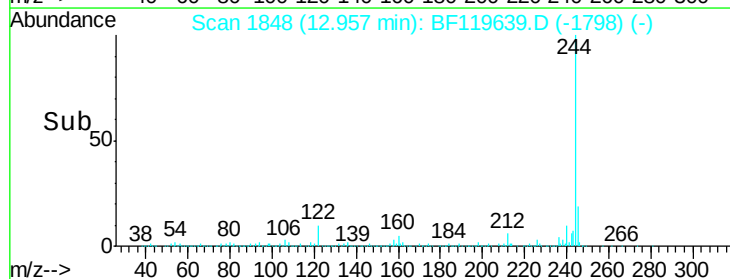
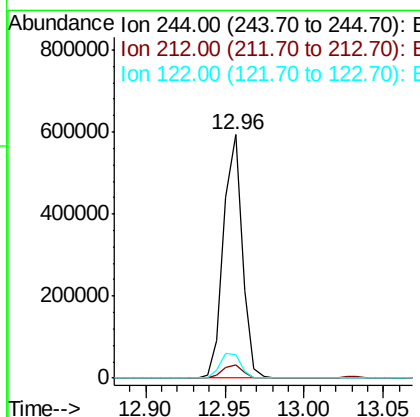
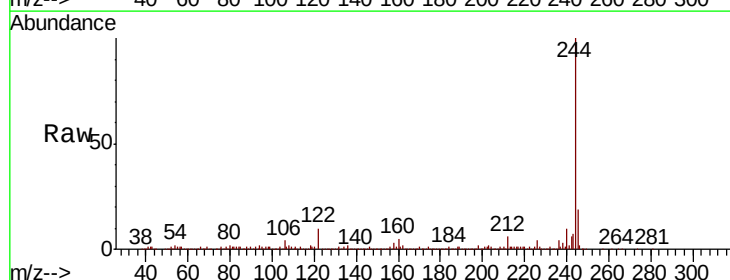
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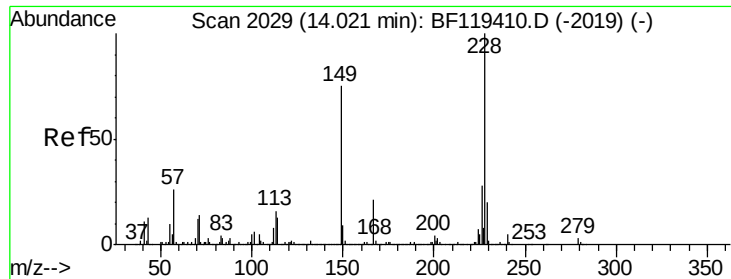
mohammad
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#79
Terphenyl-d14
Concen: 16.867 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.7	5.8	8.8#
122	9.8	10.3	15.5#





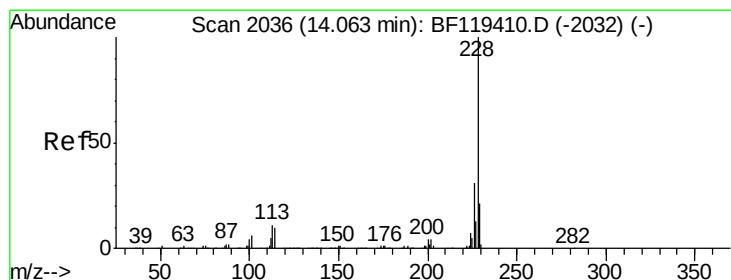
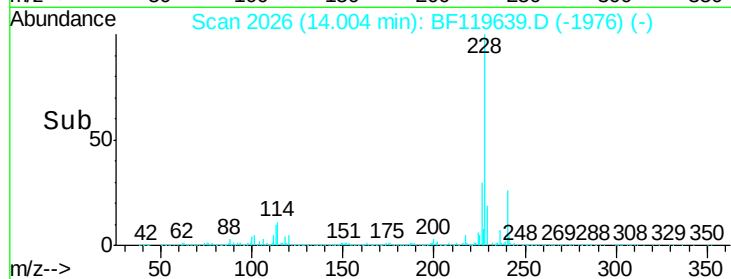
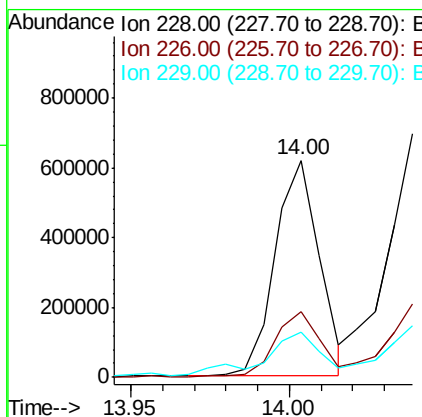
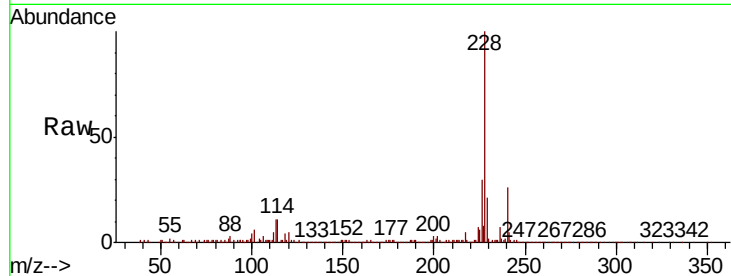
#81
Benzo(a)anthracene
Concen: 16.507 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.8	32.8
229	20.6	16.2	24.4

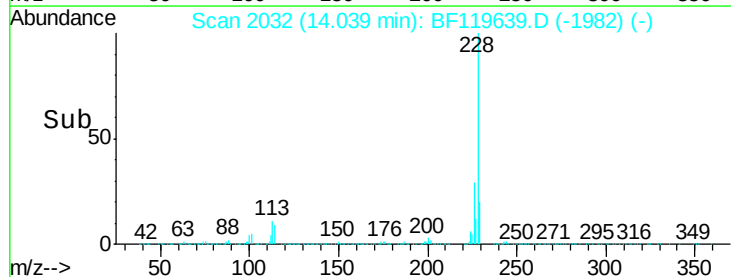
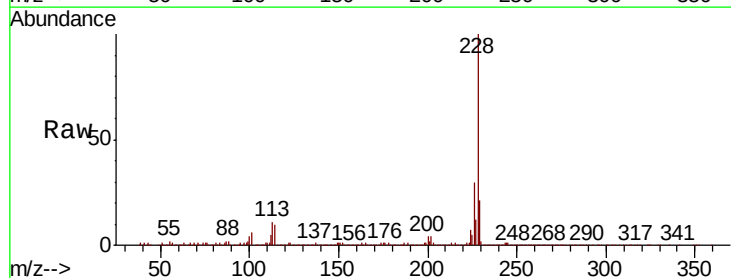
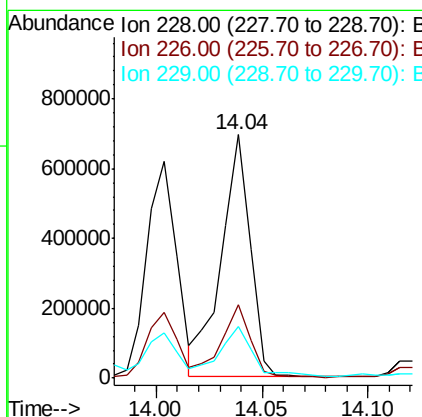
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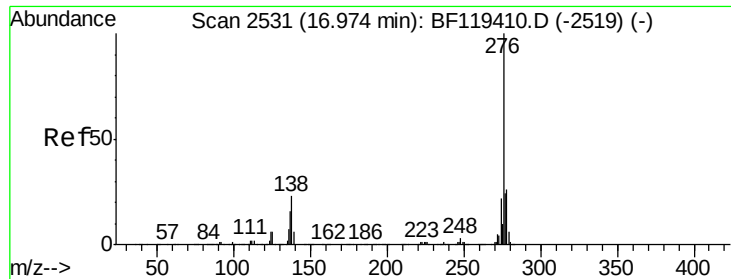
mohammad
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#83
Chrysene
Concen: 17.471 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	21.3	16.6	24.8





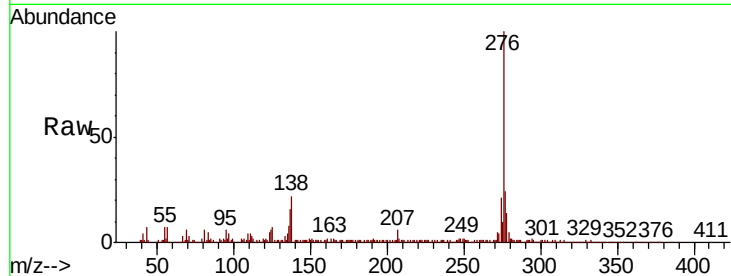
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.075 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.02 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

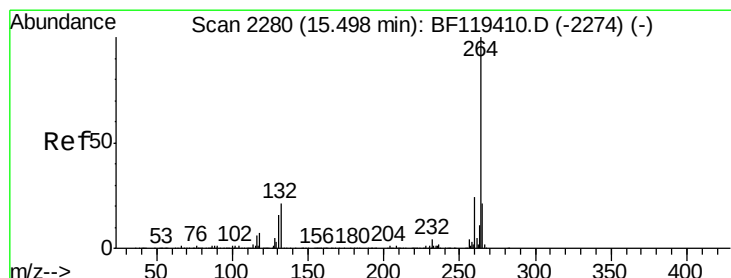
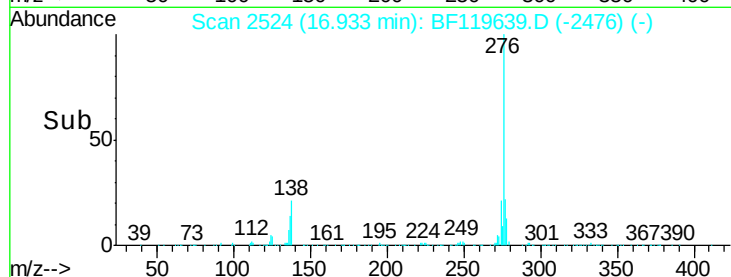
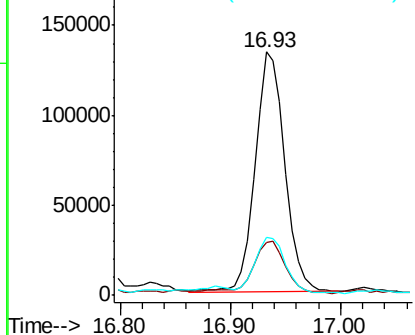
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	19.6	29.4
277	23.5	20.0	30.0

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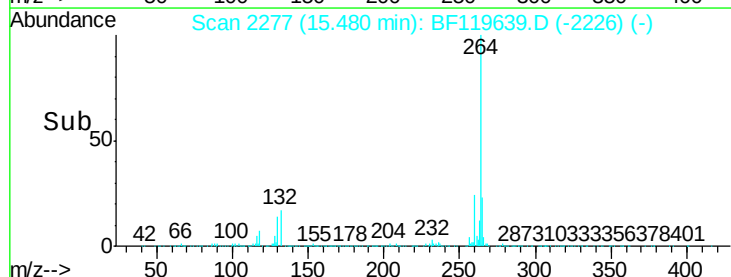
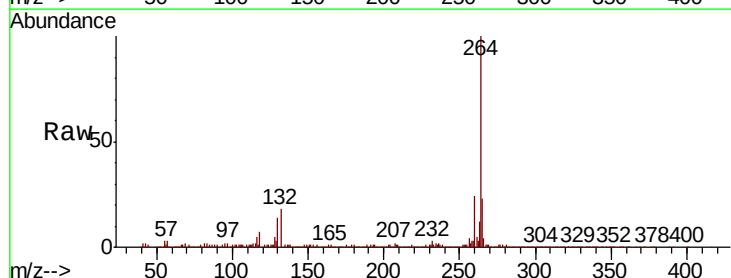
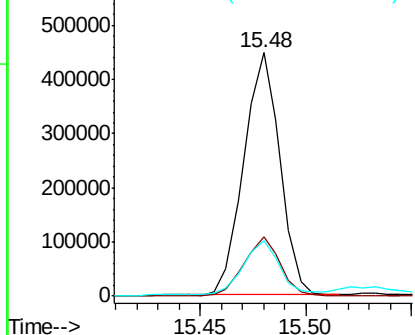
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

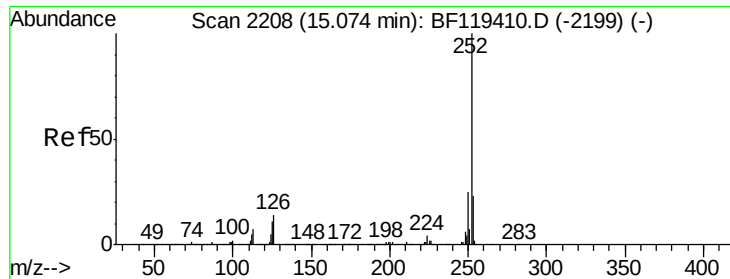


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.8	17.7	26.5

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





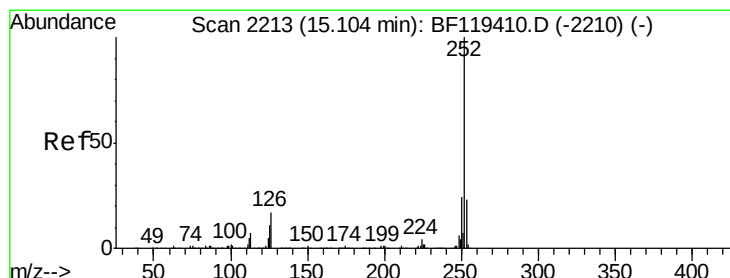
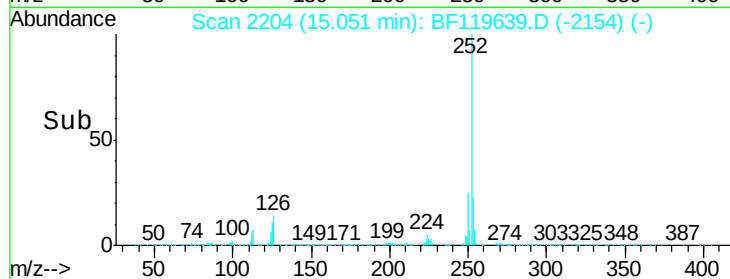
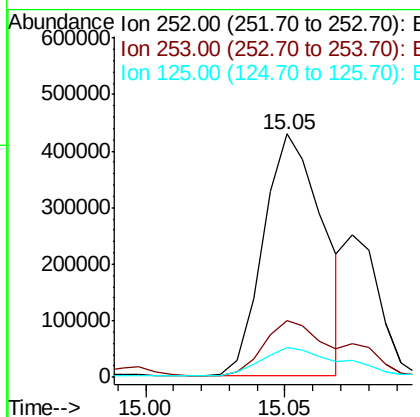
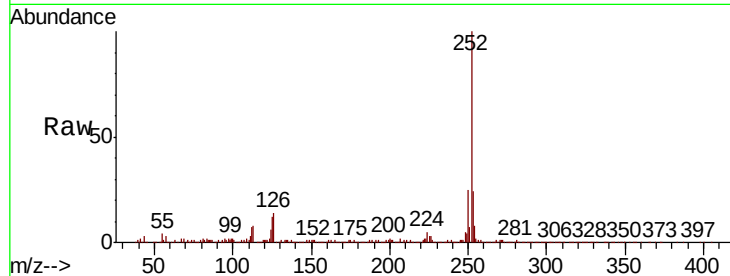
#88
Benzo(b)fluoranthene
Concen: 18.013 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	12.1	7.9	11.9

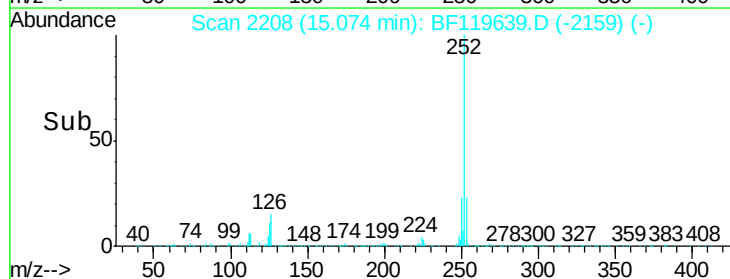
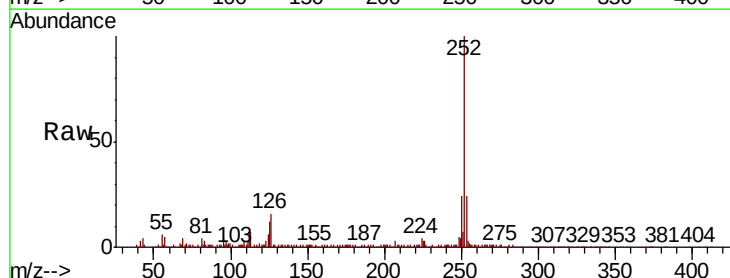
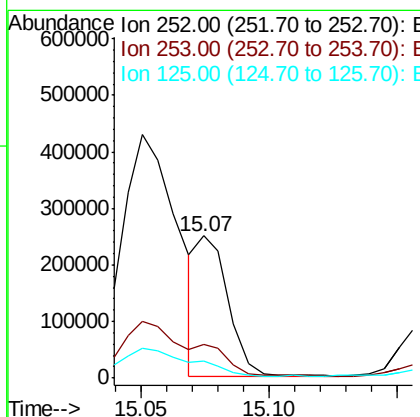
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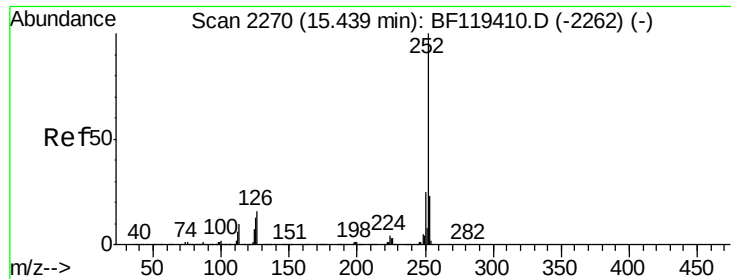
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#89
Benzo(k)fluoranthene
Concen: 6.317 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	12.2	8.4	12.6





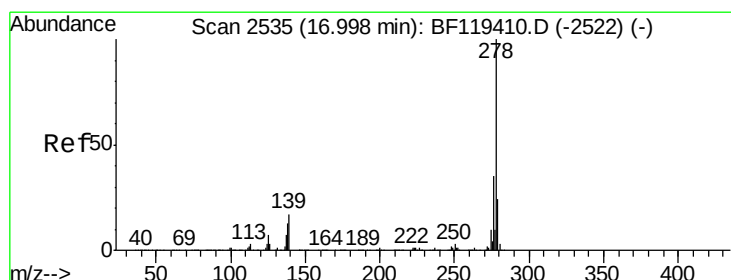
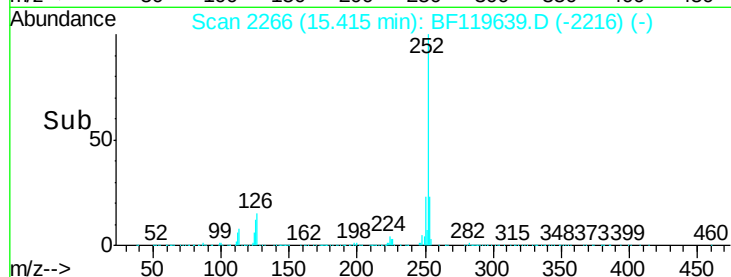
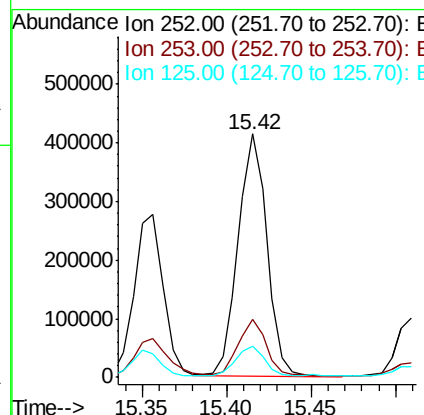
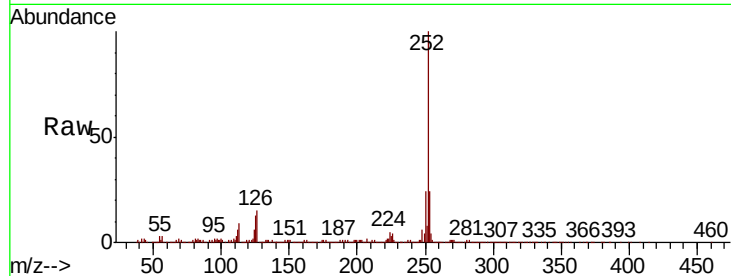
#90
Benzo(a)pyrene
Concen: 15.295 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	12.9	9.4	14.2

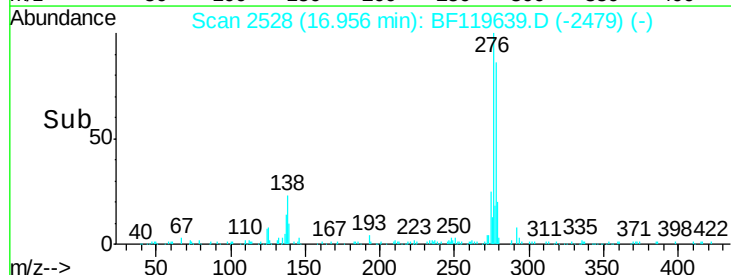
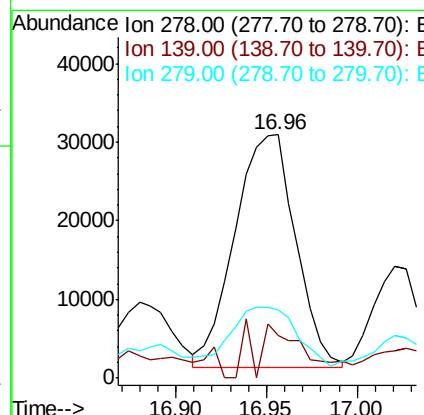
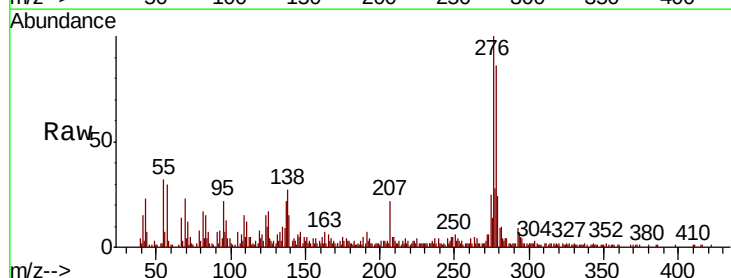
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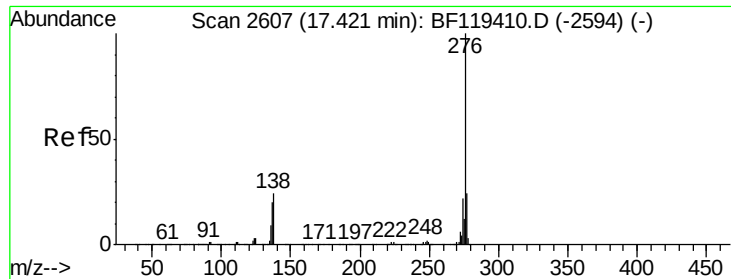
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#91
Dibenzo(a,h)anthracene
Concen: 2.451 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	12.6	19.0
279	27.9	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.654 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.02 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.4	27.6
138	22.8	15.4	23.0

Manual Integrations
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