

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\
 Data File : BF119461.D
 Acq On : 20 Mar 2020 2:15
 Operator : CG/JU
 Sample : L1964-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2000448388

Manual Integrations
 APPROVED

mohammad
 3/20/2020 11:47:38 AM

Quant Time: Mar 20 06:03:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	339856	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1237960	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	531195	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	817524	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	679991	20.00	ng	0.00
87) Perylene-d12	15.50	264	637795	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1010662	47.34	ng	0.00
7) Phenol-d6	6.46	99	1261961	46.27	ng	-0.01
23) Nitrobenzene-d5	7.41	82	736205	32.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	226872	41.40	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1334583	37.22	ng	-0.01
79) Terphenyl-d14	12.97	244	1163726	33.53	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.60	163	239543	6.349	ng	Qvalue 100
71) Phenanthrene	11.40	178	506425	11.947	ng	99
72) Anthracene	11.46	178	140324	3.257	ng	96
75) Fluoranthene	12.60	202	1038966	22.647	ng	97
78) Pyrene	12.83	202	1029432	18.447	ng	98
81) Benzo(a)anthracene	14.02	228	557109	12.599	ng	99
83) Chrysene	14.05	228	484023	10.606	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	236249	5.497	ng	# 92
88) Benzo(b)fluoranthene	15.07	252	628107m	14.743	ng	
89) Benzo(k)fluoranthene	15.09	252	164759m	4.061	ng	
90) Benzo(a)pyrene	15.43	252	408206	10.543	ng	98
92) Benzo(a,h,i)perylene	17.40	276	219087	6.439	ng	99

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

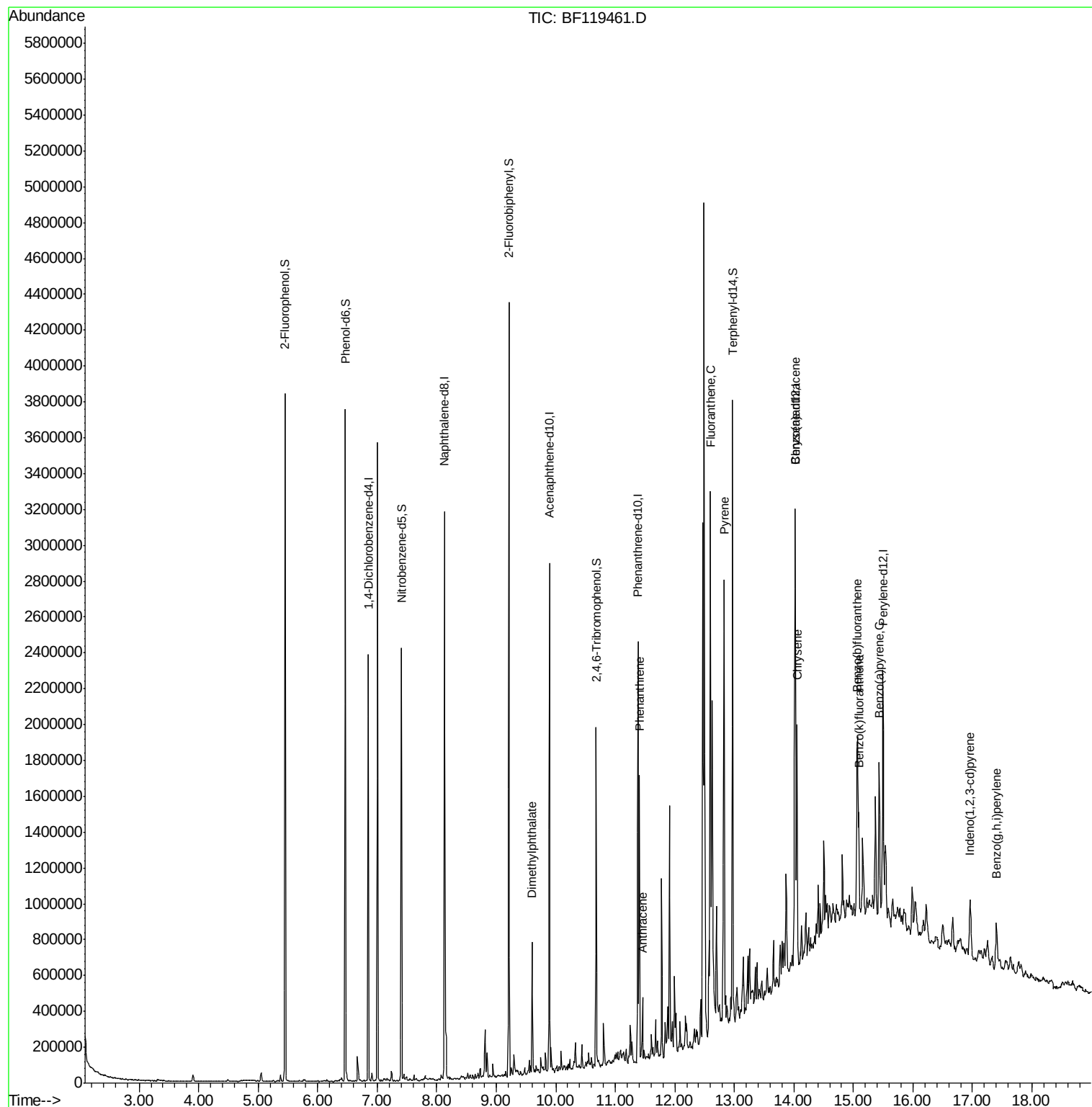
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\
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ALS Vial : 21 Sample Multiplier: 1

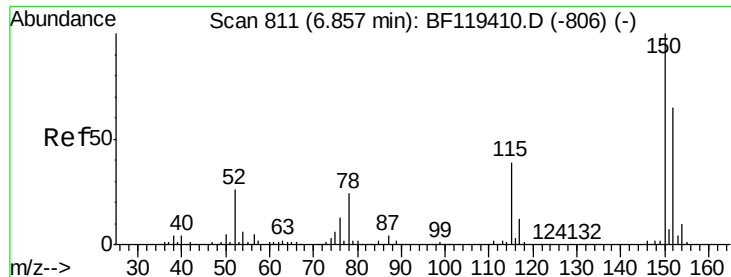
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

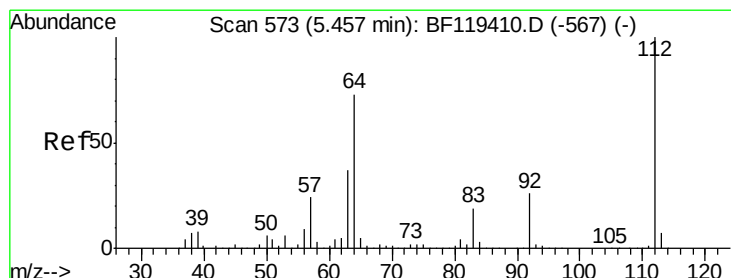
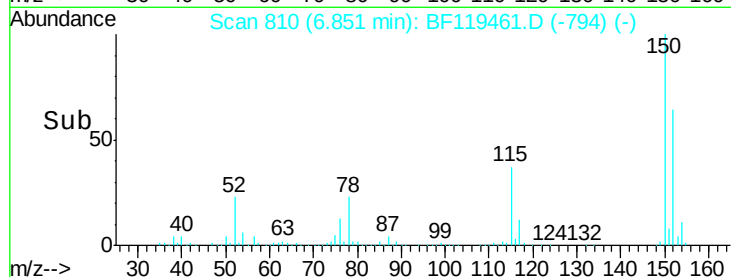
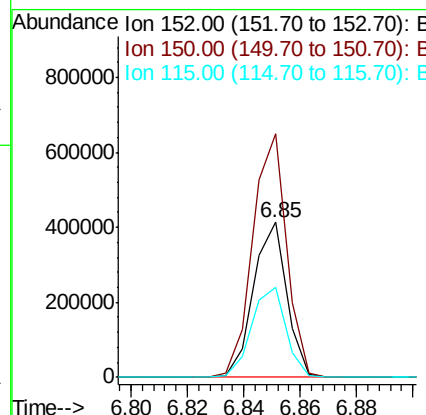
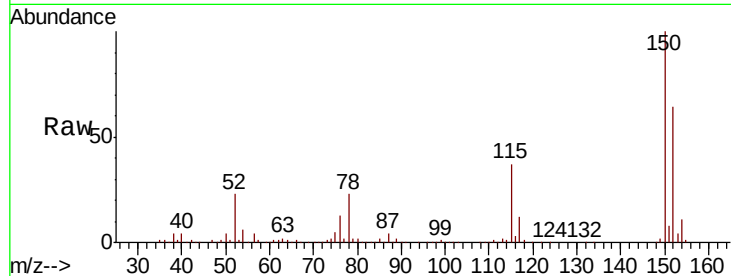
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleId :
2000448388

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.9	185.9
115	57.9	47.8	71.6

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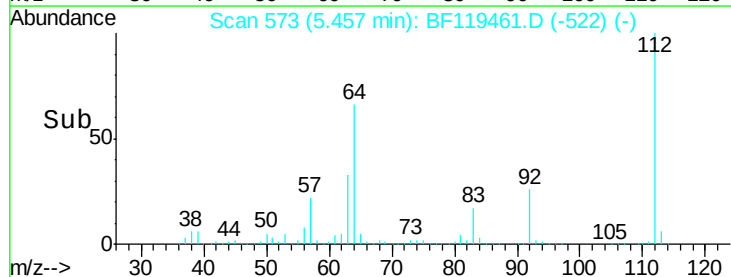
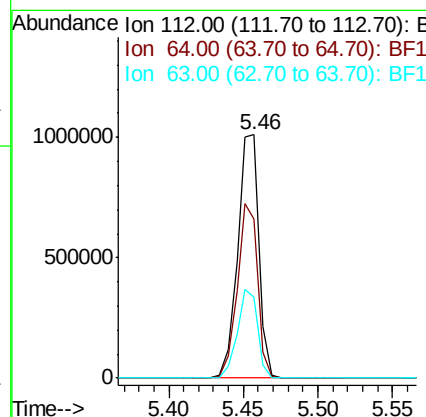
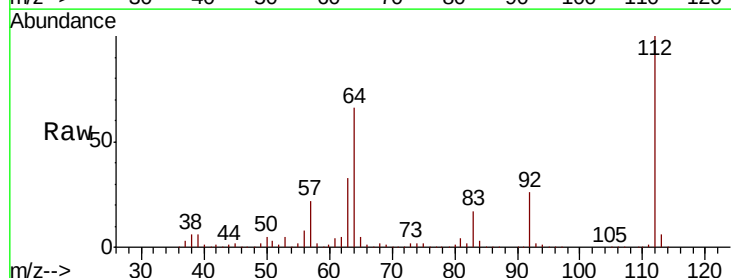
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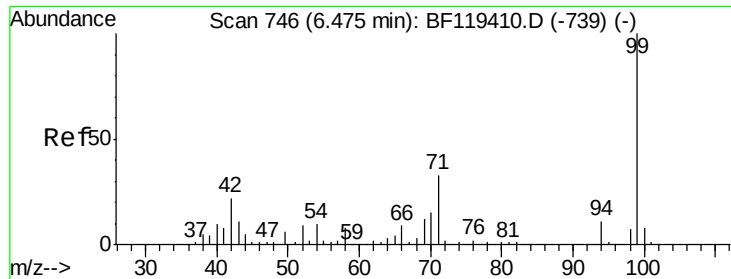


#5

2-Fluorophenol
Concen: 47.340 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	58.1	87.1
63	33.3	29.7	44.5





#7

Phenol-d6

Concen: 46.273 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

BNA_F

ClientSampleId :

2000448388

Tot Ion: 99 Resp: 1261961

Ion Ratio Lower Upper

99 100

42 21.8 17.8 26.6

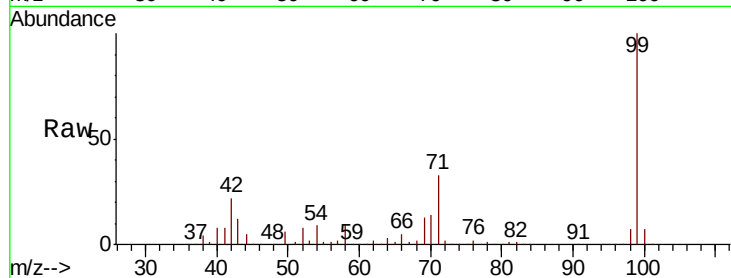
71 33.1 26.0 39.0

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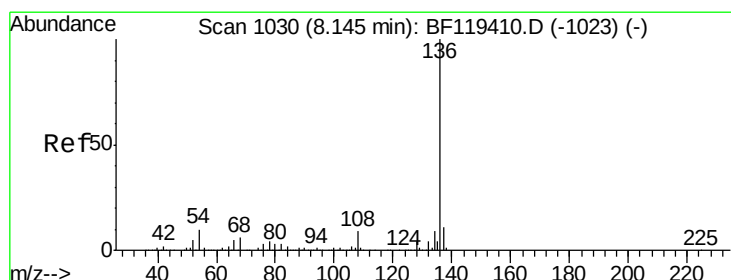
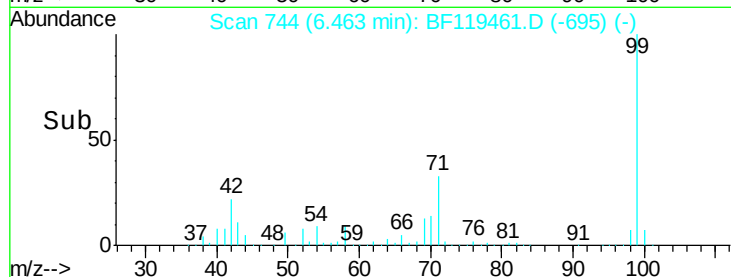
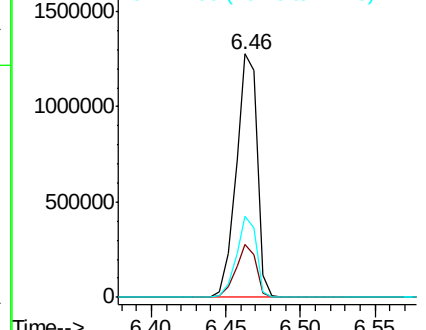
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Tgt Ion: 136 Resp: 1237960

Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 11.1 8.3 12.5

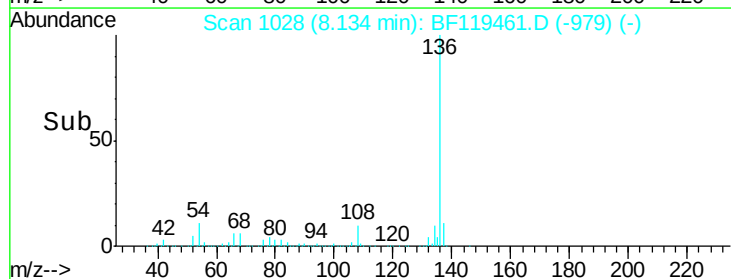
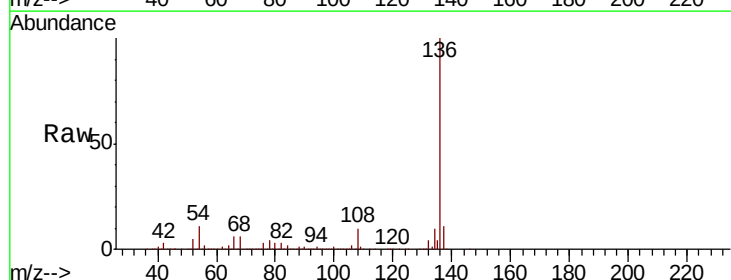
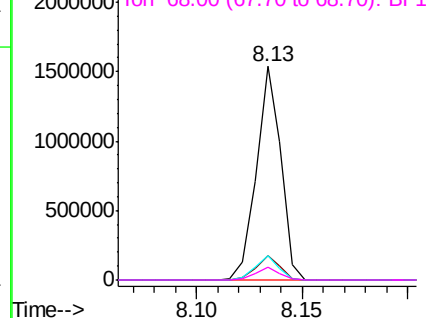
68 6.0 4.9 7.3

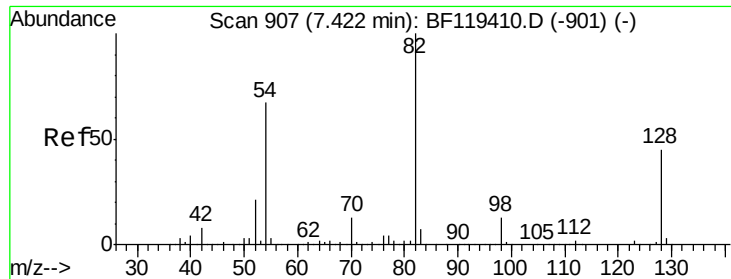
Abundance Ion 136.00 (135.70 to 136.70): E

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





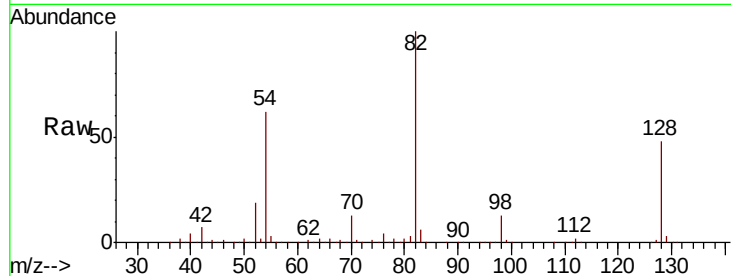
#23
Nitrobenzene-d5
Concen: 32.320 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleID :
2000448388

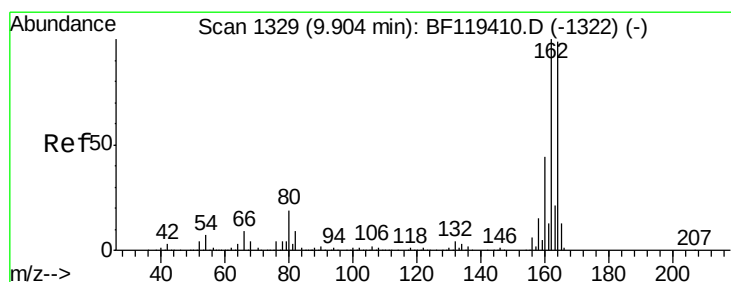
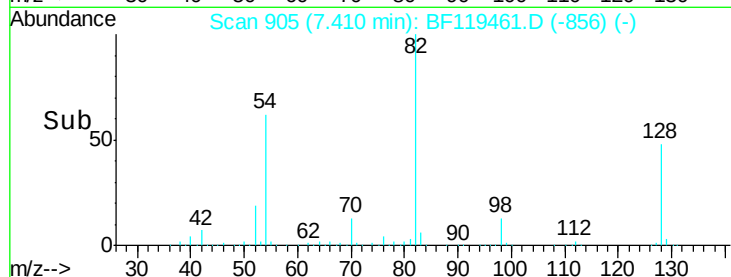
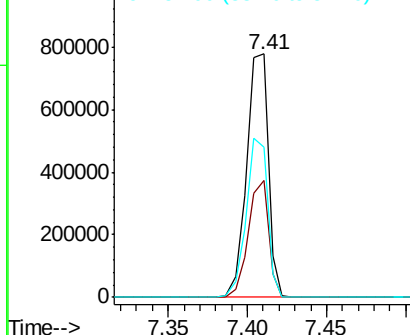
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	35.8	53.8
54	61.9	53.4	80.0

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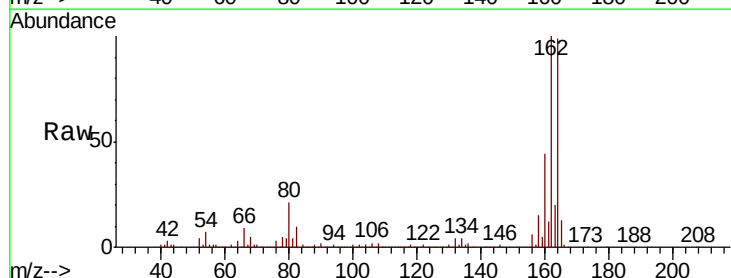


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

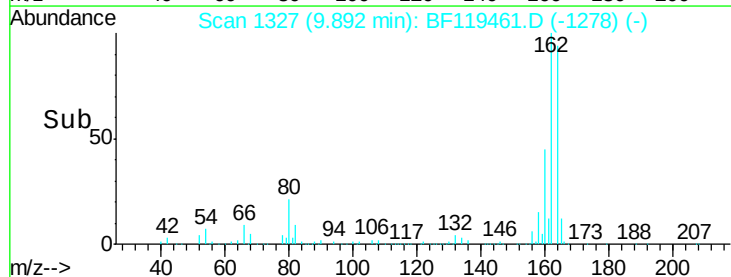
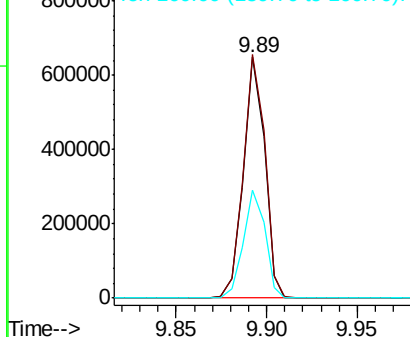


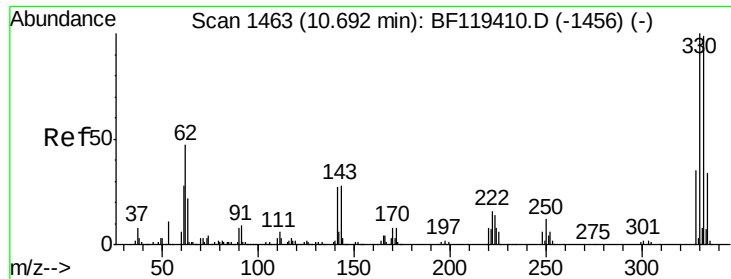
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.7	121.1
160	44.9	35.5	53.3



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: 41.399 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

BNA_F

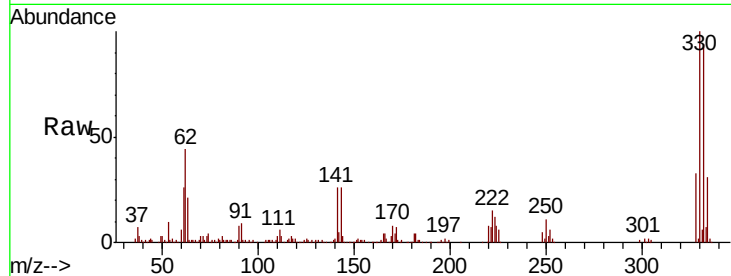
ClientSampleId :

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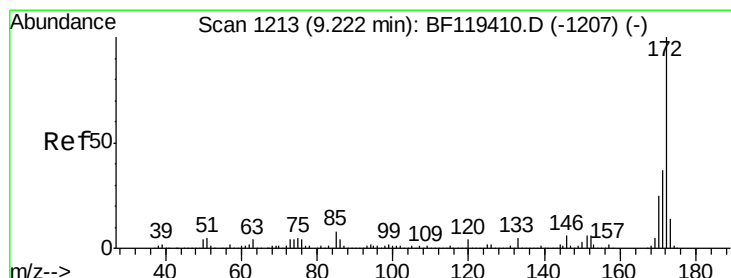
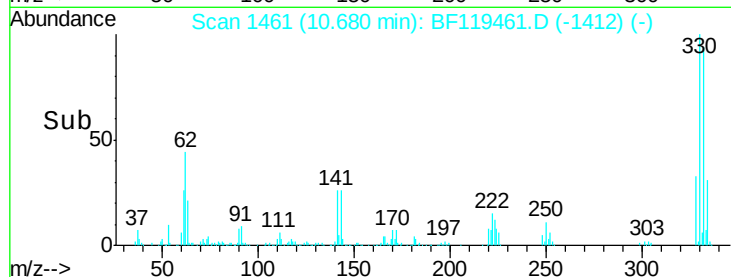
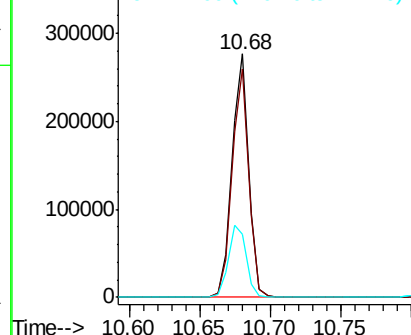
Tot Ion:	330	Resp:	226872
Ion Ratio	Lower	Upper	
330	100		
332	94.2	77.6	116.4
141	31.5	26.6	40.0

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 37.221 ng

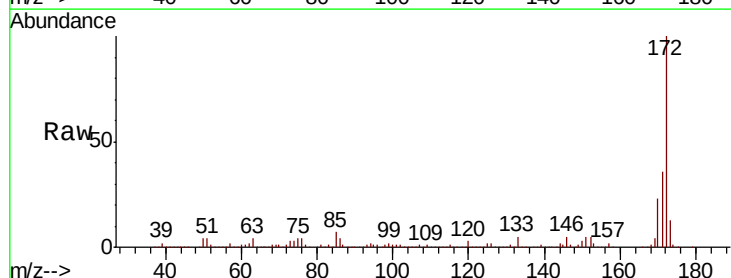
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

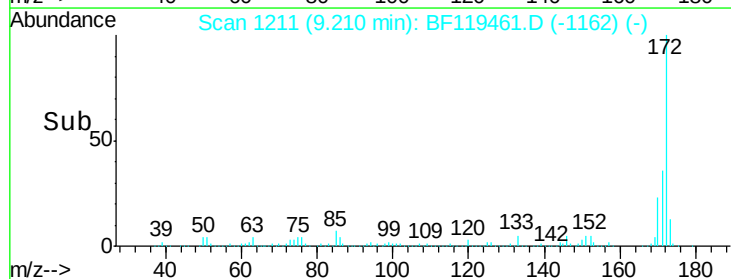
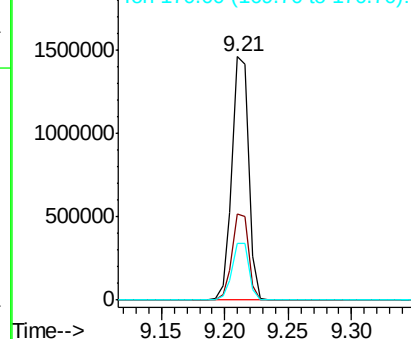
Lab File: BF119461.D

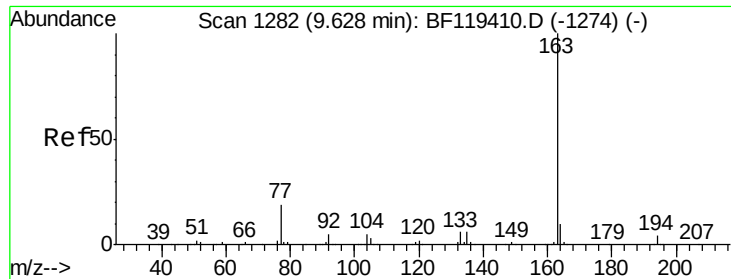
Acq: 20 Mar 2020 2:15

Tgt Ion:	172	Resp:	1334583
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.9	44.9
170	23.5	20.1	30.1



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.349 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

BNA_F

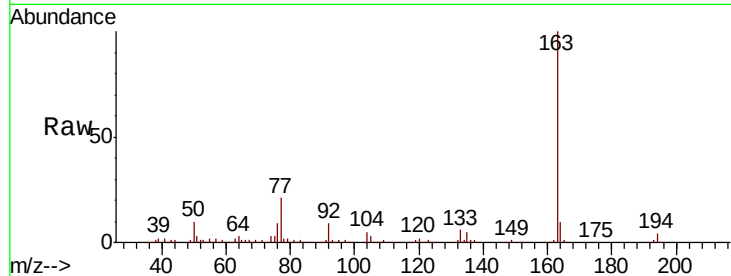
ClientSampleId :

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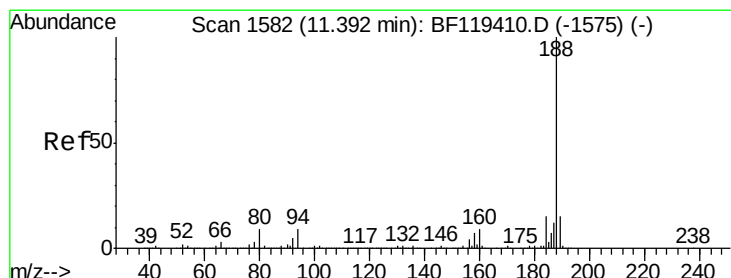
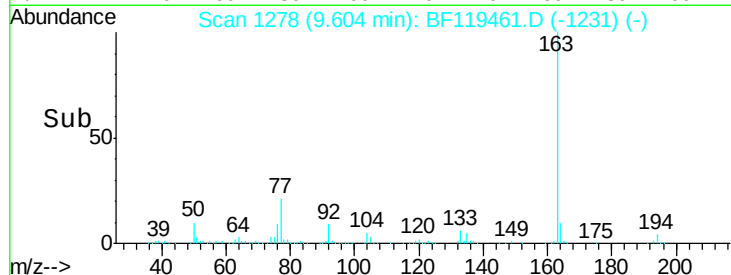
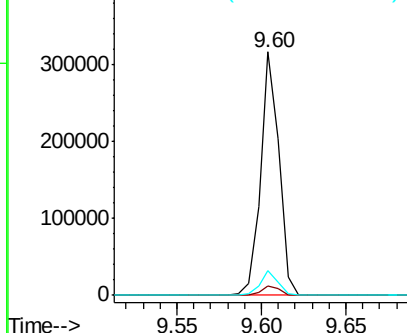
Tot Ion:	163	Resp:	239543
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.2	4.8
164	10.0	8.1	12.1

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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

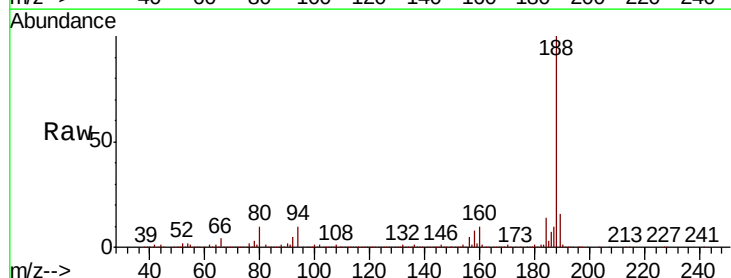
RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

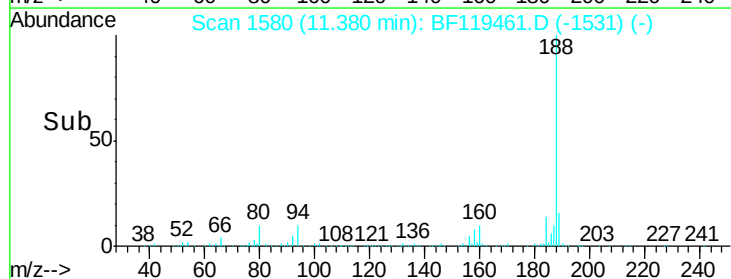
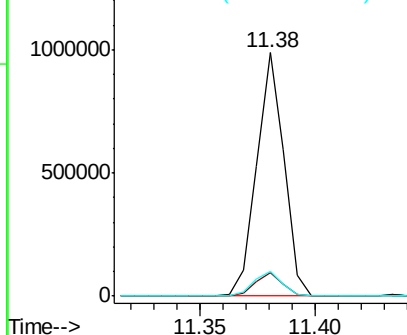
Lab File: BF119461.D

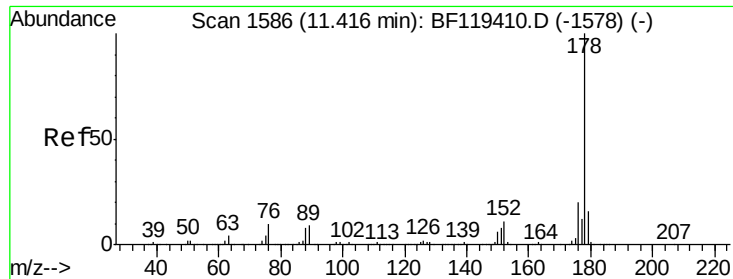
Acq: 20 Mar 2020 2:15

Tgt Ion:	188	Resp:	817524
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.1	10.7
80	10.3	7.5	11.3



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





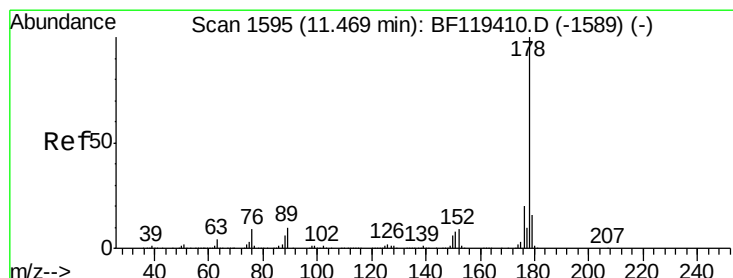
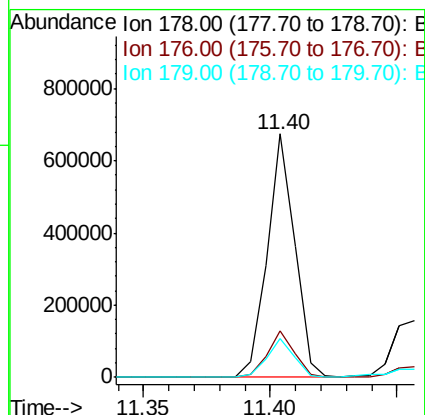
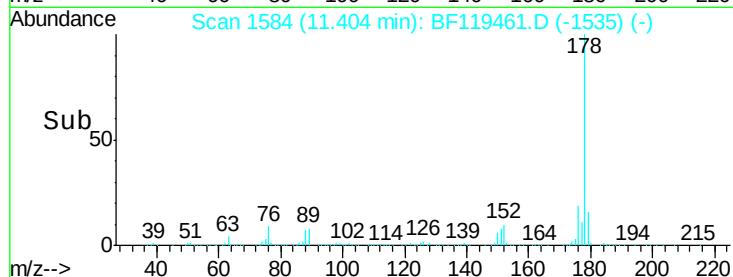
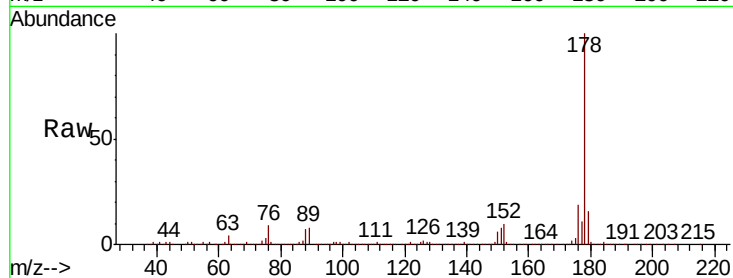
#71
Phenanthrene
Concen: 11.947 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleId :
2000448388

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	16.0	12.9	19.3

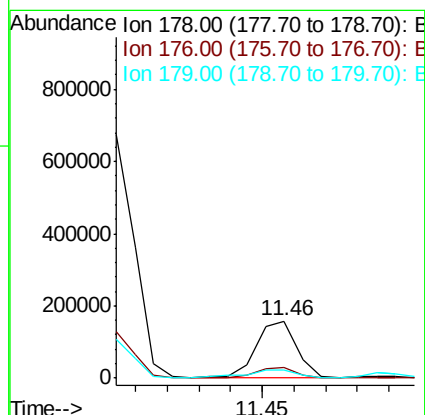
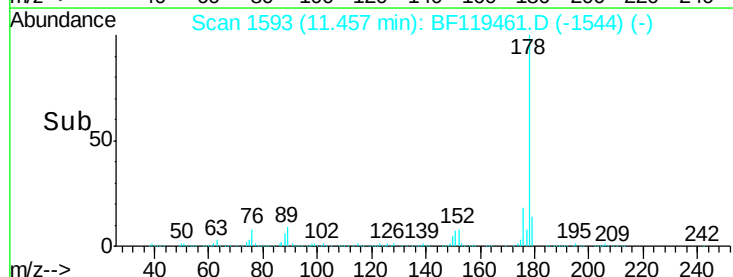
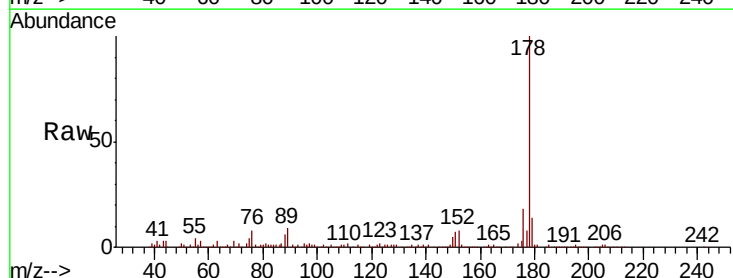
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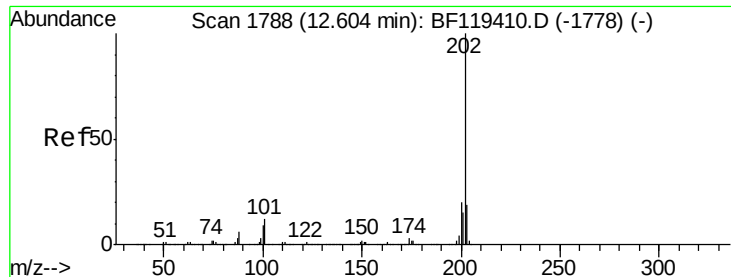
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#72
Anthracene
Concen: 3.257 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	14.4	13.1	19.7





#75

Fluoranthene

Concen: 22.647 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

BNA_F

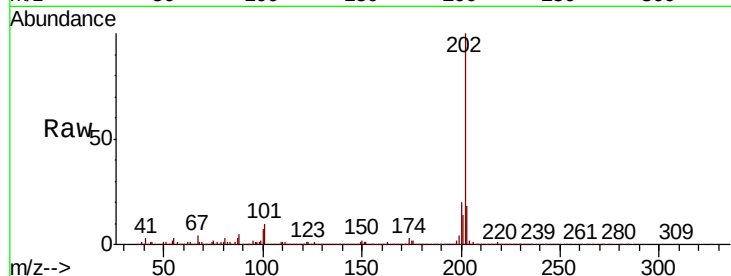
ClientSampleId :

2000448388

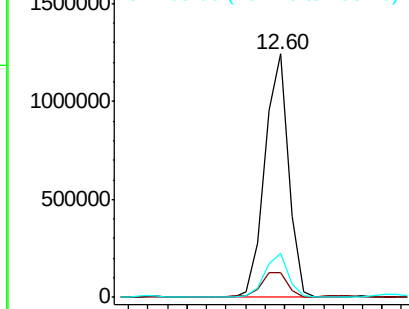
Tot Ion:	202	Resp:	1038966
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.4
203	17.8	0.0	38.5

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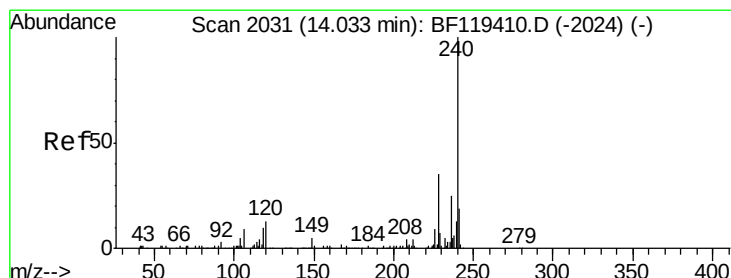
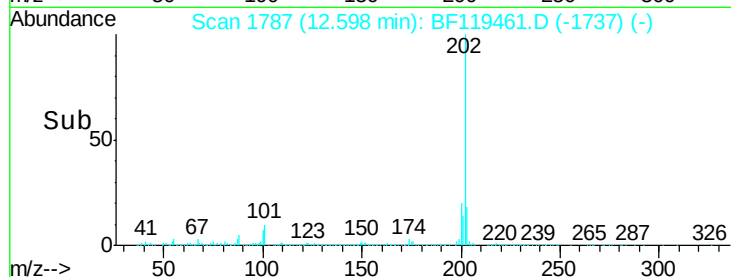
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

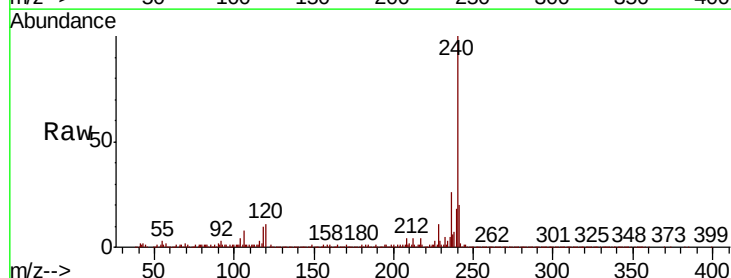
RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

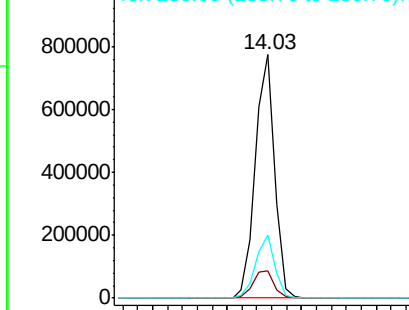
Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

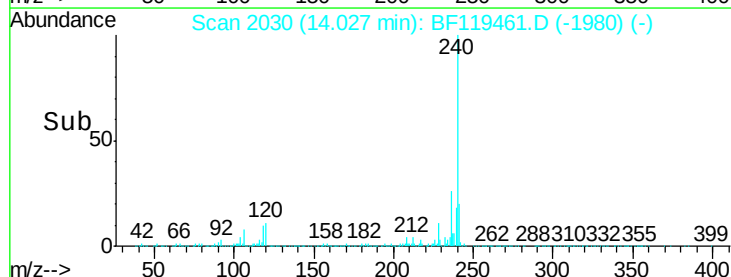
Tgt Ion:	240	Resp:	679991
Ion	Ratio	Lower	Upper
240	100		
120	11.0	10.2	15.4
236	26.0	20.4	30.6

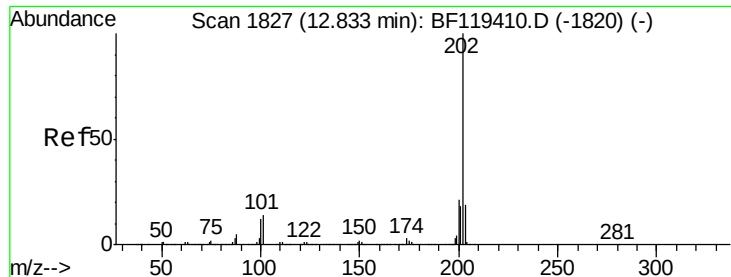


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





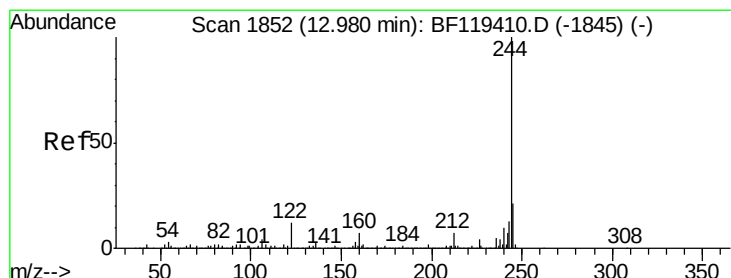
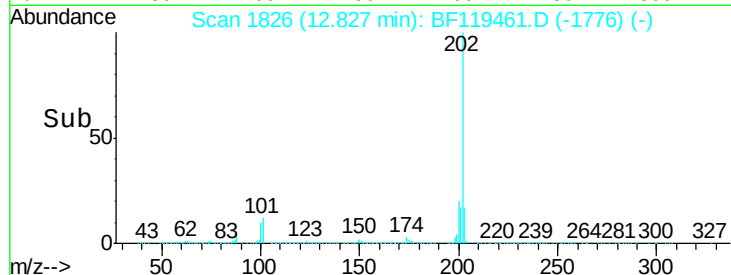
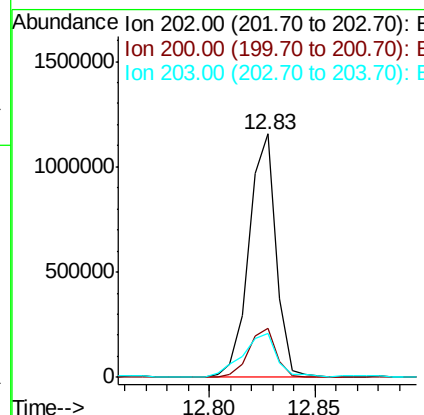
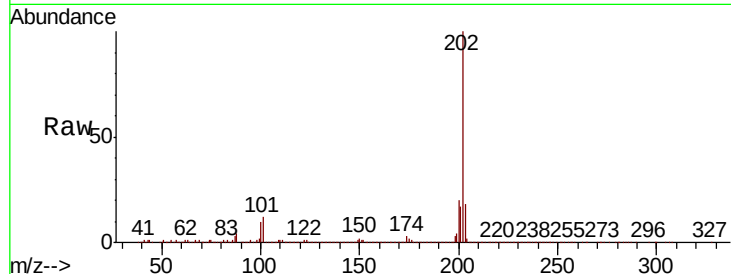
#78
Pvrene
Concen: 18.447 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleId :
2000448388

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	18.0	14.8	22.2

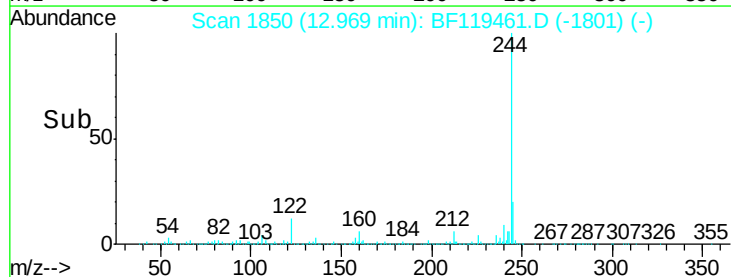
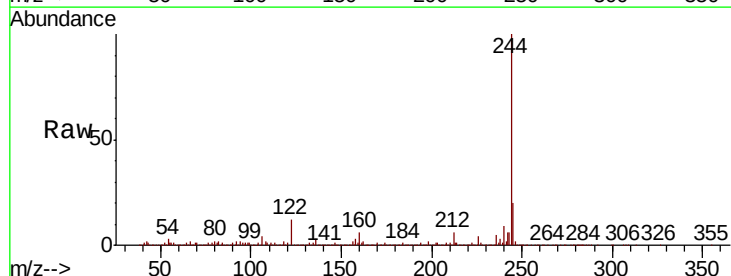
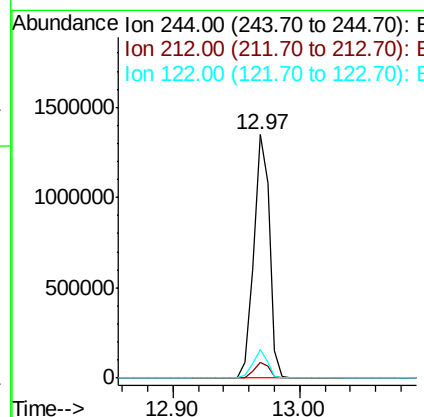
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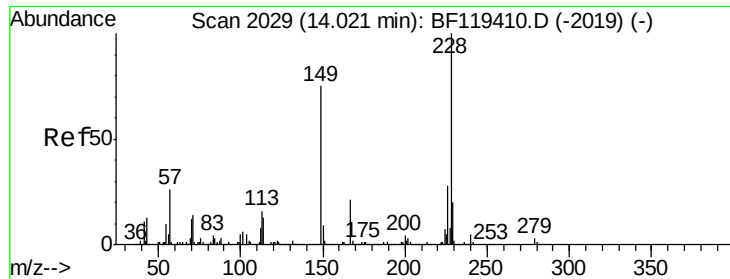
mohammad
3/20/2020 11:47:38 AM



#79
Terphenyl-d14
Concen: 33.530 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.7	8.5
122	11.8	9.8	14.8





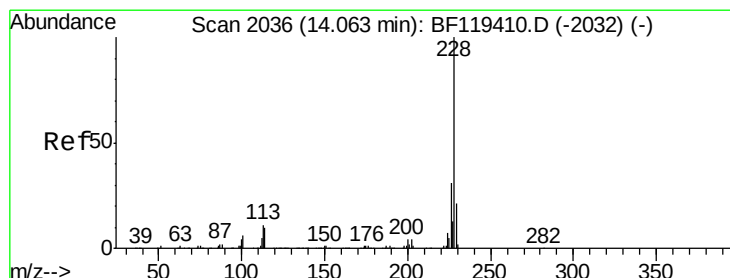
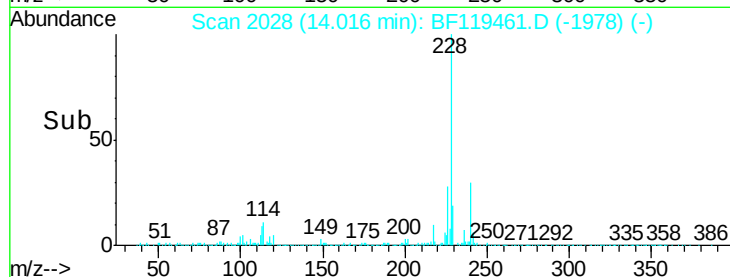
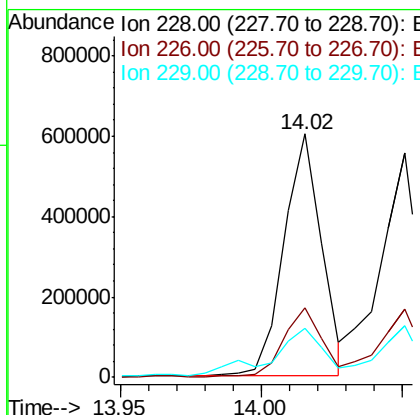
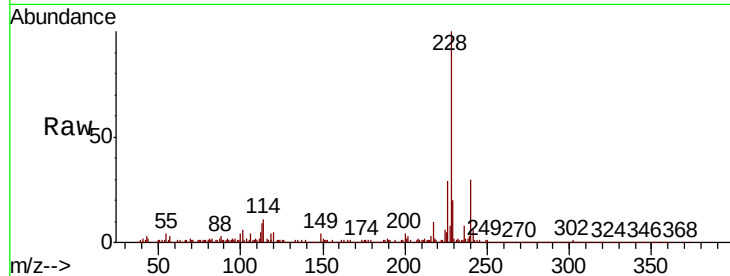
#81
Benzo(a)anthracene
Concen: 12.599 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleId :
2000448388

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.3	33.5
229	20.4	16.3	24.5

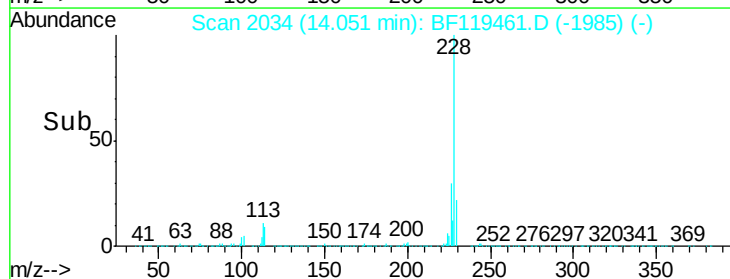
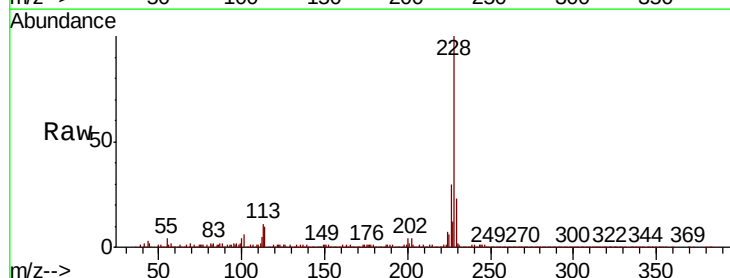
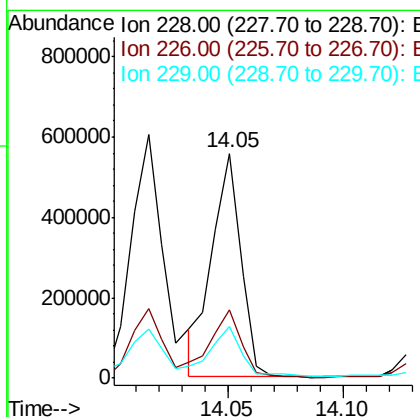
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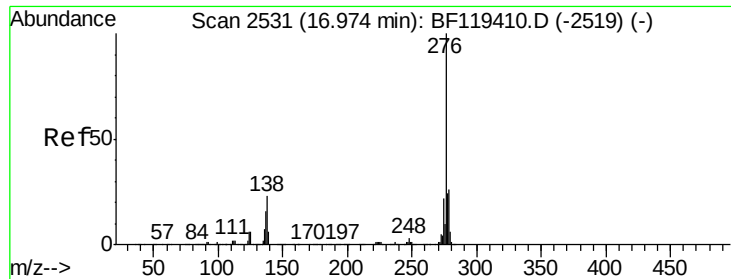
mohammad
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#83
Chrysene
Concen: 10.606 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.8	37.2
229	22.8	16.6	25.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.497 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

BNA_F

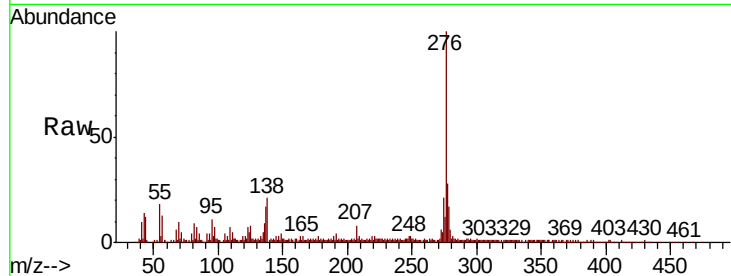
ClientSampleId :

2000448388

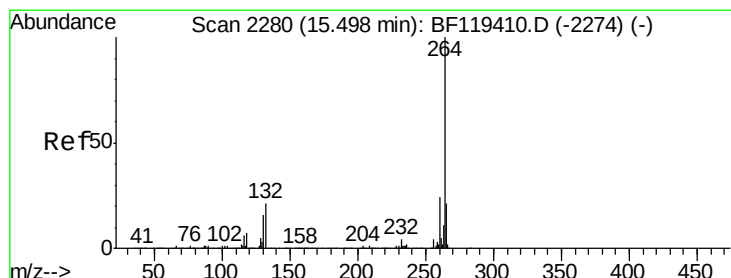
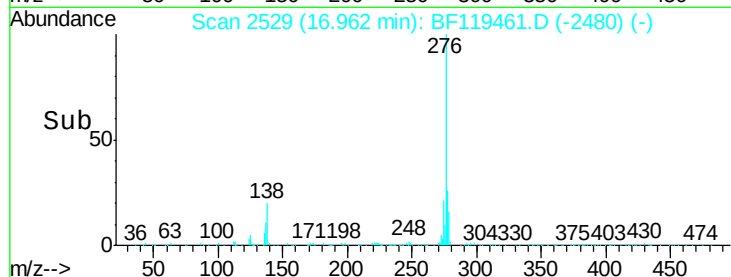
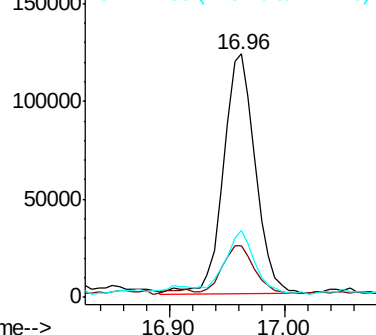
Tot Ion:	276	Resp:	236249
Ion Ratio	Lower	Upper	
276	100		
138	20.1	21.3	31.9#
277	23.2	20.2	30.2

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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

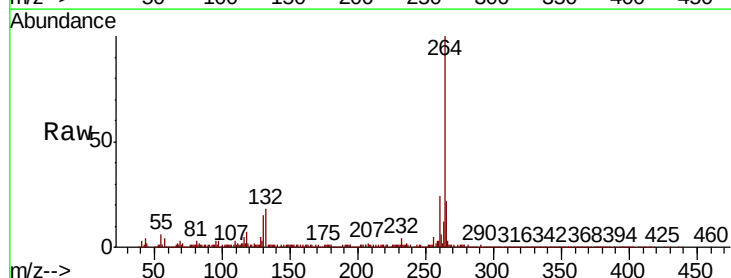
RT: 15.50 min Scan# 2280

Delta R.T. 0.00 min

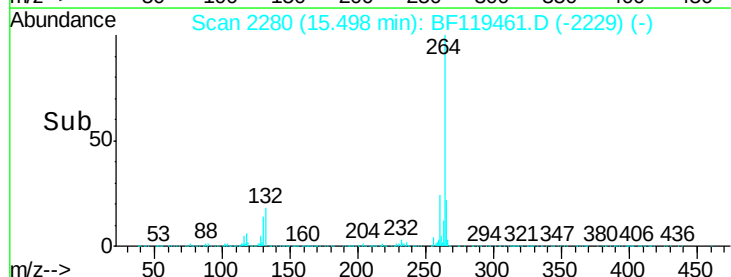
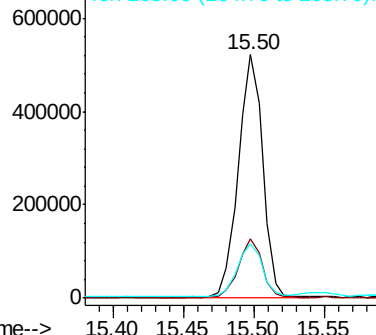
Lab File: BF119461.D

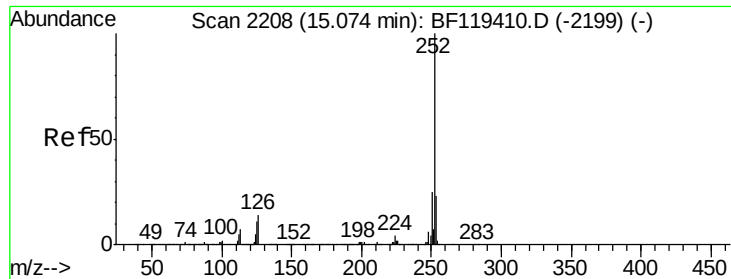
Acq: 20 Mar 2020 2:15

Tgt Ion:	264	Resp:	637795
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	22.5	16.9	25.3



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





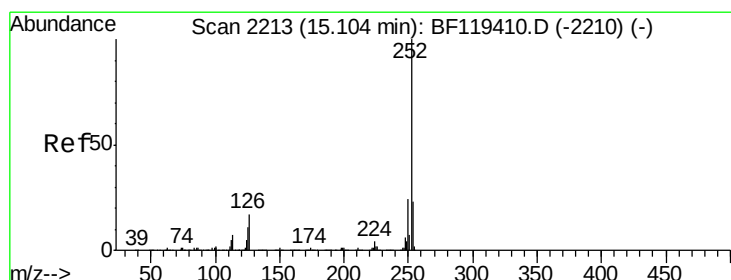
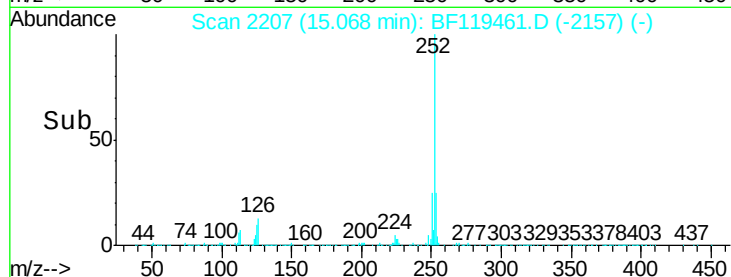
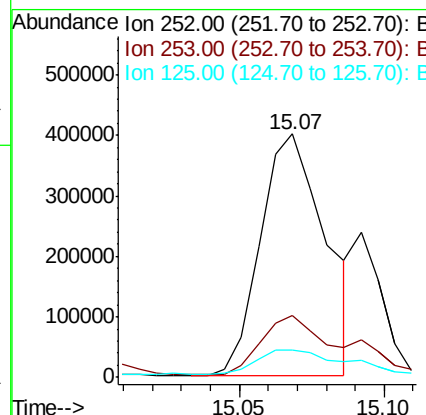
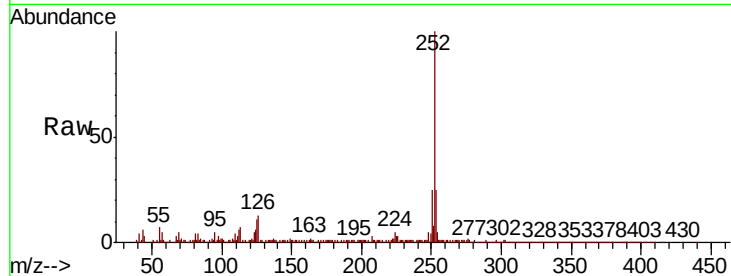
#88
Benzo(b)fluoranthene
Concen: 14.743 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleId :
2000448388

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.4
125	11.3	8.8	13.2

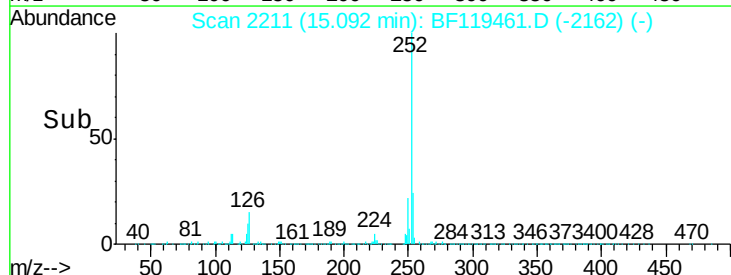
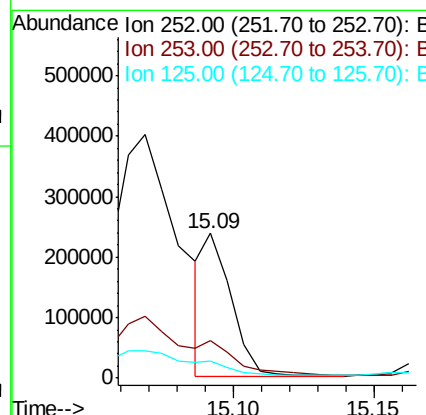
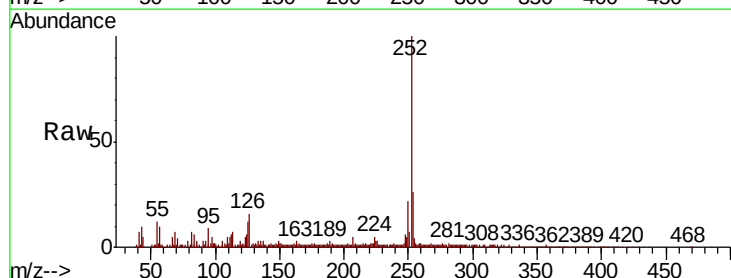
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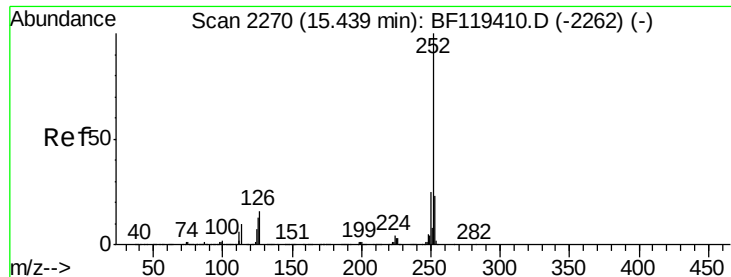
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#89
Benzo(k)fluoranthene
Concen: 4.061 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.4
125	12.1	9.0	13.4





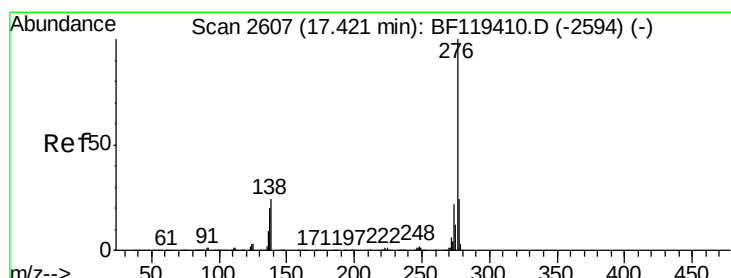
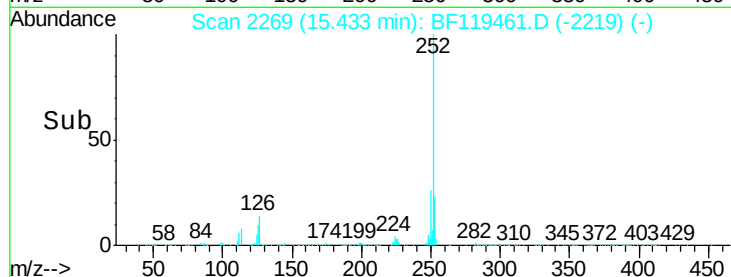
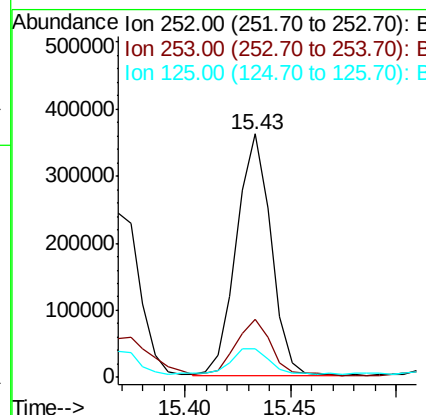
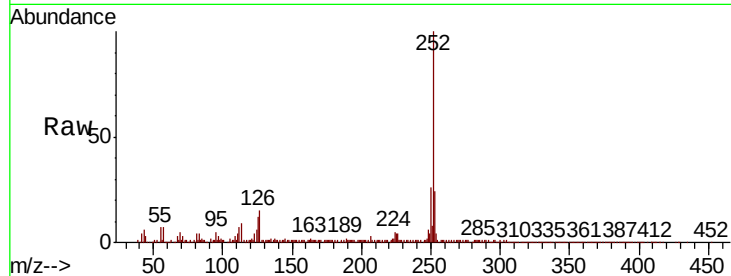
#90
Benzo(a)pyrene
Concen: 10.543 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleId :
2000448388

Tot Ion:	252	Resp:	408206
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.4
125	11.8	10.2	15.2

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#92
Benzo(g,h,i)perylene
Concen: 6.439 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.02 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion:	276	Resp:	219087
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.8	28.2
138	24.1	19.1	28.7

