

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117744.D
 Acq On : 8 Nov 2019 21:10
 Operator : JU
 Sample : K5722-20
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-D

Manual Integrations
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mohammad
 11/11/2019 8:06:36 AM

Quant Time: Nov 09 03:05:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	350886	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1389217	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	748441	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1396515	20.00	ng	0.00
76) Chrysene-d12	14.12	240	796980	20.00	ng	-0.01
87) Perylene-d12	15.62	264	827977	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1992818	102.81	ng	0.00
7) Phenol-d6	6.55	99	2506605	104.87	ng	0.00
23) Nitrobenzene-d5	7.49	82	1605349	68.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	772950	105.57	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2704945	71.31	ng	-0.01
79) Terphenyl-d14	13.06	244	2819653	72.83	ng	0.00
Target Compounds						
10) Phenol	6.56	94	81515	3.165	ng	85
50) Dimethylphthalate	9.69	163	400027	7.906	ng	97
71) Phenanthrene	11.49	178	311868	4.659	ng	95
75) Fluoranthene	12.69	202	1099759	16.090	ng	94
78) Pyrene	12.92	202	1069277	18.379	ng	96
81) Benzo(a)anthracene	14.10	228	455010	9.172	ng	94
83) Chrysene	14.14	228	543146	11.087	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	282370	6.193	ng	93
88) Benzo(b)fluoranthene	15.17	252	730918m	14.016	ng	
89) Benzo(k)fluoranthene	15.20	252	228937m	4.922	ng	
90) Benzo(a)pyrene	15.55	252	350542	7.754	ng	97
92) Benzo(a,h,i)perylene	17.60	276	245837	6.257	ng	99

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

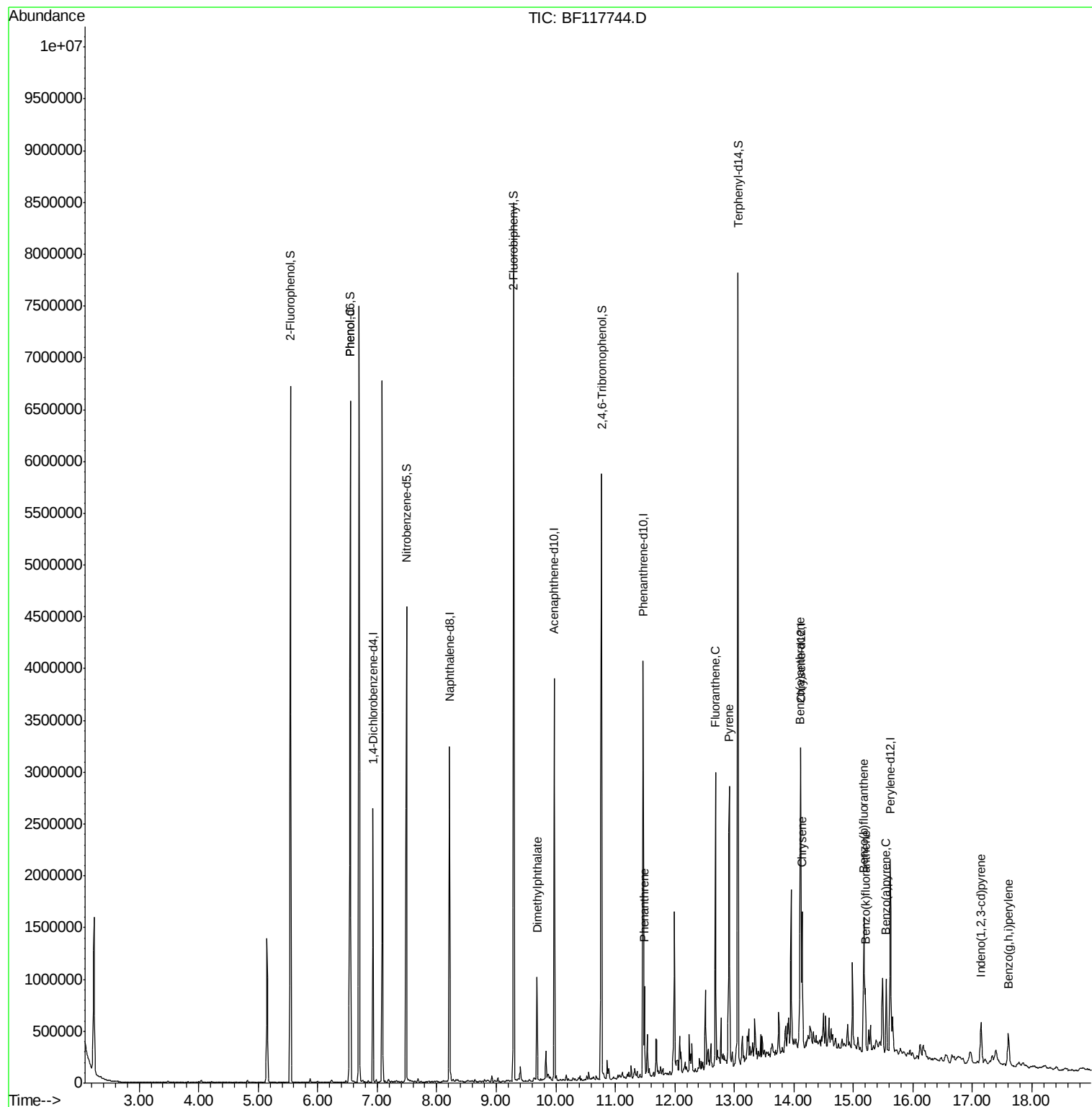
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
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ALS Vial : 17 Sample Multiplier: 1

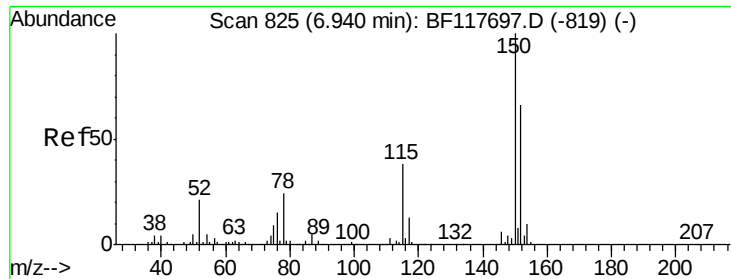
Instrument :
BNA_F
ClientSampled :
3-D

Quant Time: Nov 09 03:05:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
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#1

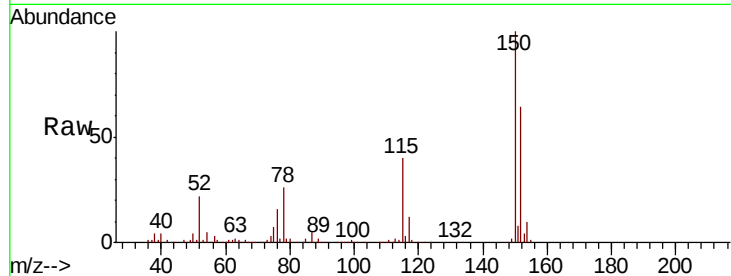
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Instrument :
BNA_F
ClientSampled :
3-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	121.4	182.2
115	62.6	46.7	70.1

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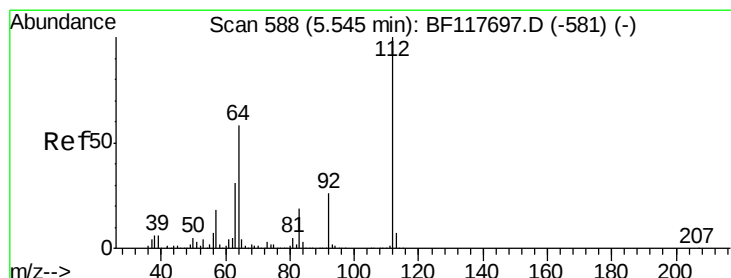
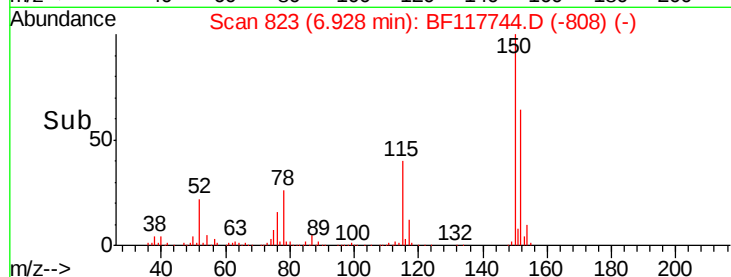
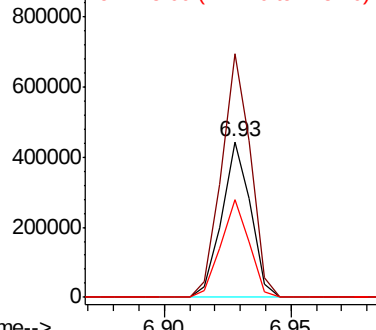


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

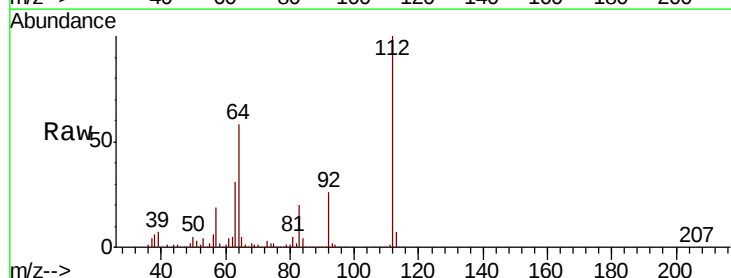
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.806 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.4	69.6
63	31.3	24.6	37.0

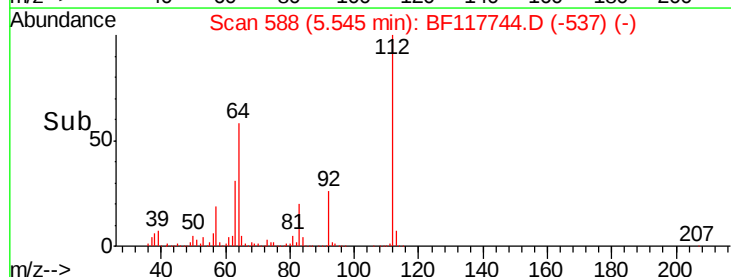
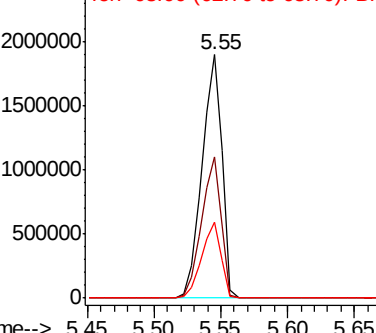


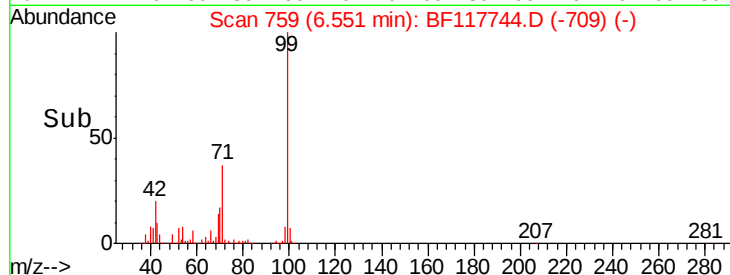
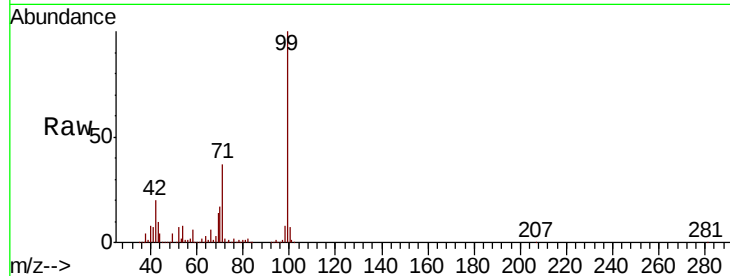
Abundance

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: 104.873 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Tot Ion:	99	Resp:	2506605
Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.3	22.9
71	36.9	26.8	40.2

Instrument :

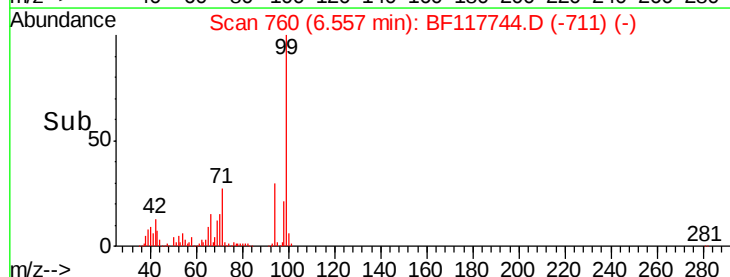
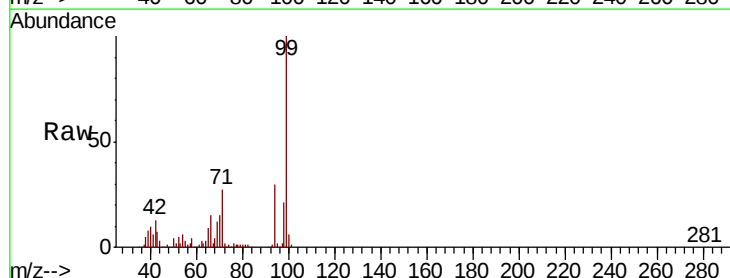
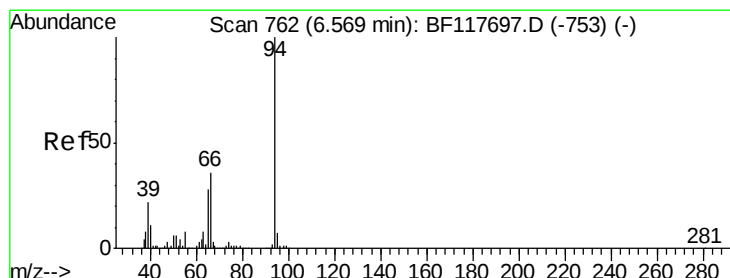
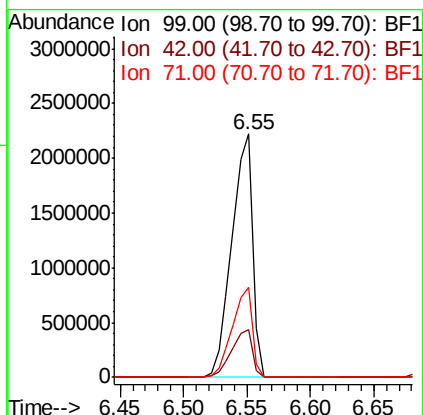
BNA_F

ClientSampled :

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#10

Phenol

Concen: 3.165 ng

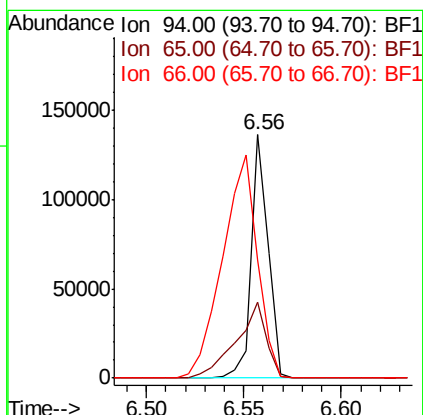
RT: 6.56 min Scan# 760

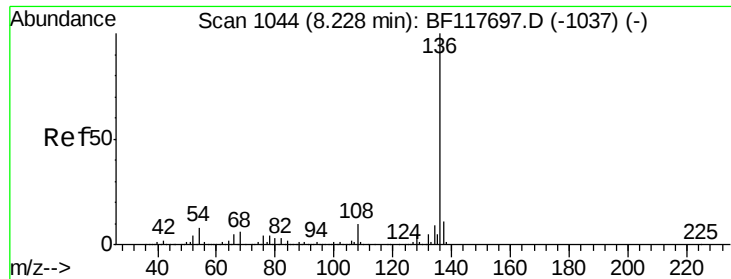
Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Tgt Ion:	94	Resp:	81515
Ion	Ratio	Lower	Upper
94	100		
65	31.3	7.6	47.6
66	48.3	16.1	56.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Instrument :

BNA_F

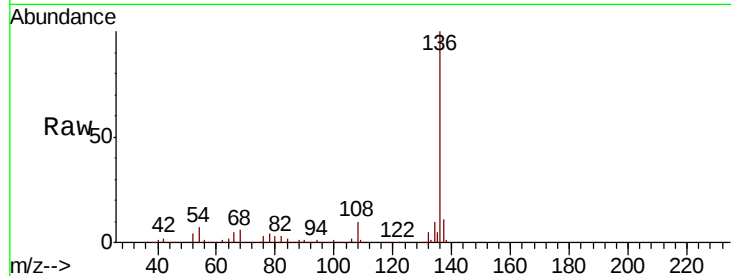
ClientSampled :

3-D

Tot Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.2	8.8	13.2	
54	7.4	6.0	9.0	
68	5.8	4.8	7.2	

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Abundance Ion 136.00 (135.70 to 136.70): E

2500000 Ion 137.00 (136.70 to 137.70): E

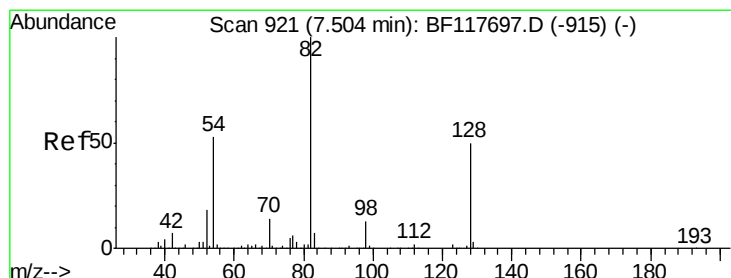
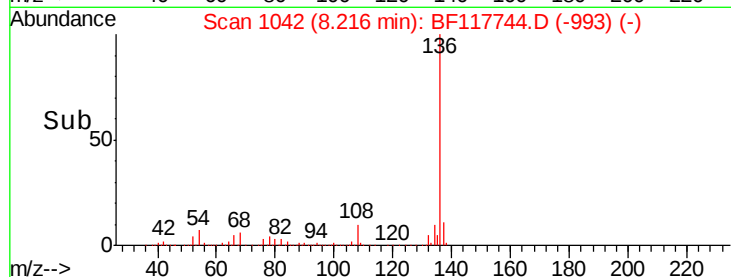
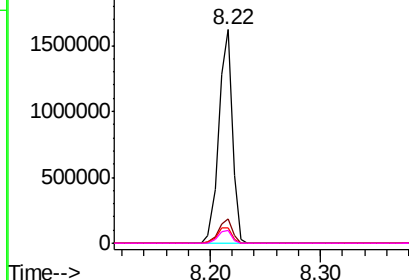
2000000 Ion 54.00 (53.70 to 54.70): BF1

1500000 Ion 68.00 (67.70 to 68.70): BF1

1000000

500000

0



#23

Nitrobenzene-d5

Concen: 68.224 ng

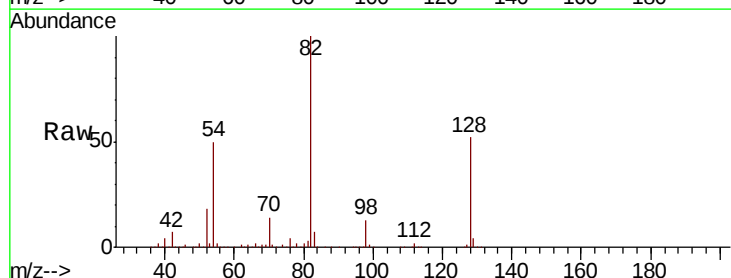
RT: 7.49 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Tgt Ion	Ion	Ratio	Lower	Upper
82	100			
128	51.7	40.2	60.2	
54	50.4	42.0	63.0	



Abundance Ion 82.00 (81.70 to 82.70): BF1

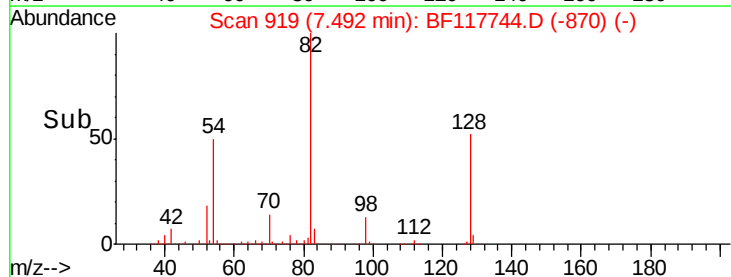
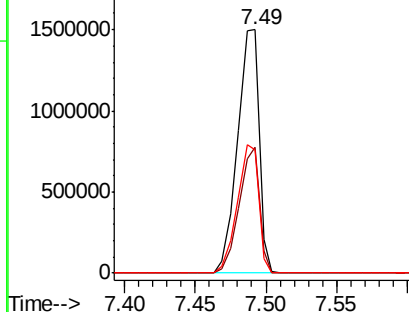
2000000 Ion 128.00 (127.70 to 128.70): E

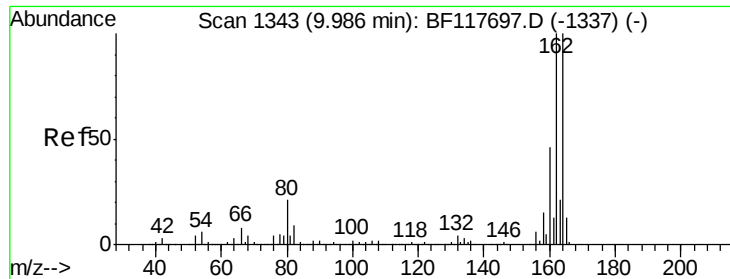
1500000 Ion 54.00 (53.70 to 54.70): BF1

1000000

500000

0





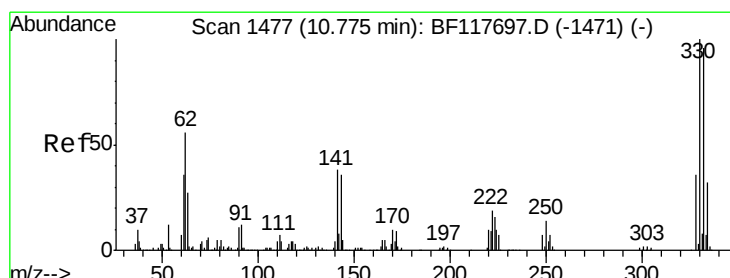
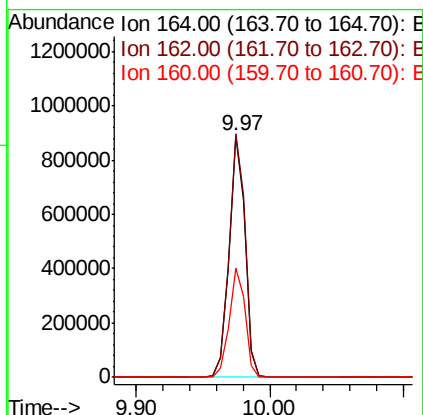
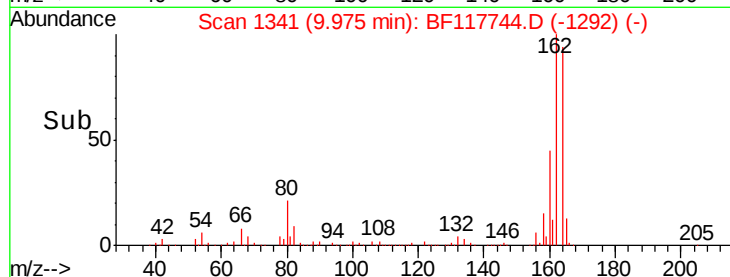
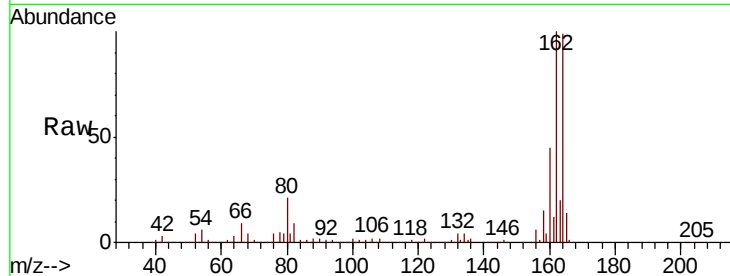
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

Instrument :
 BNA_F
 ClientSampleID :
 3-D

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.7	119.5
160	45.0	36.5	54.7

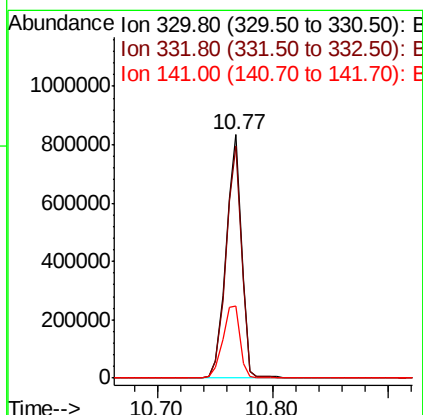
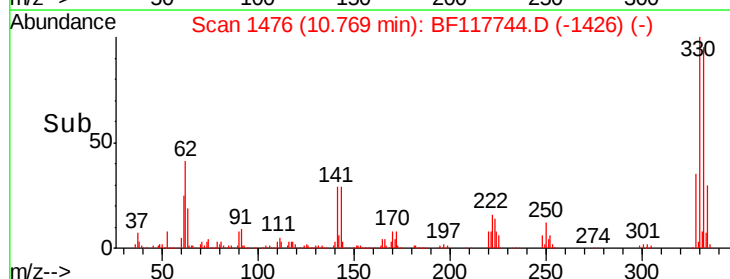
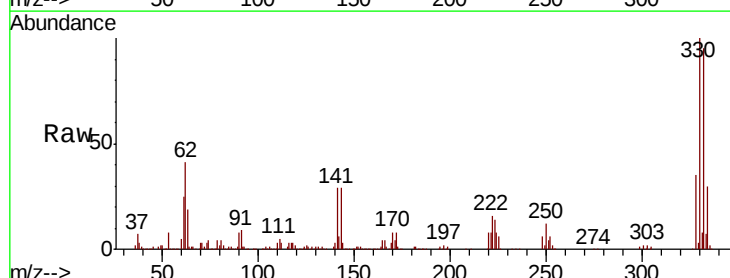
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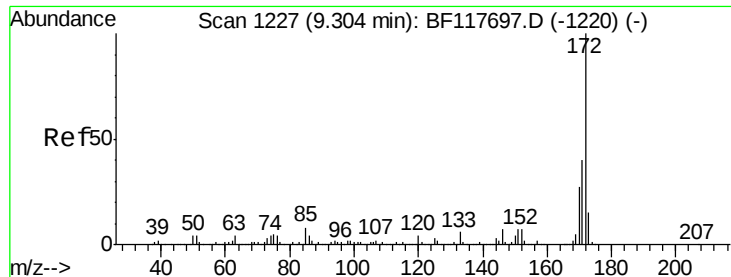
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#42
 2,4,6-Tribromophenol
 Concen: 105.573 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117744.D
 Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	33.2	28.0	42.0





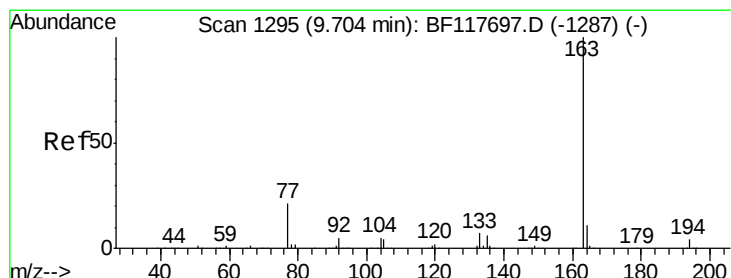
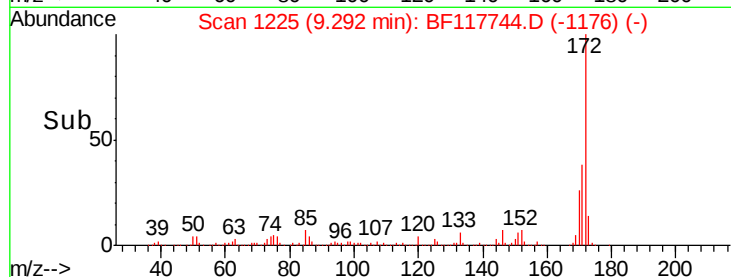
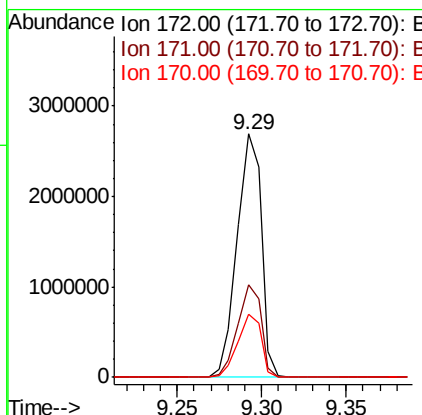
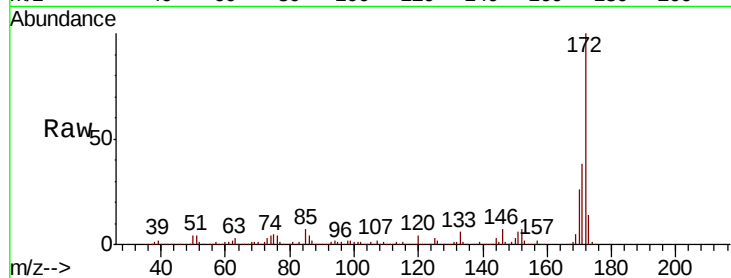
#45
2-Fluorobiphenyl
Concen: 71.307 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Instrument :
BNA_F
ClientSampleId :
3-D

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.8	47.8
170	25.9	21.6	32.4

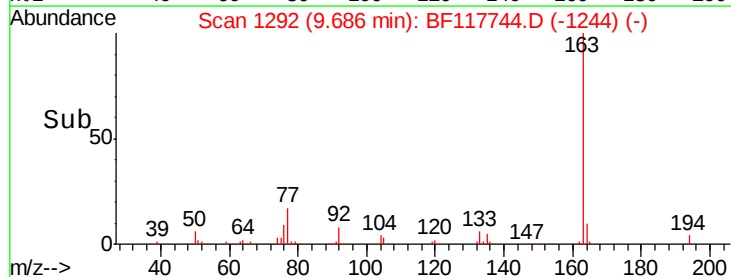
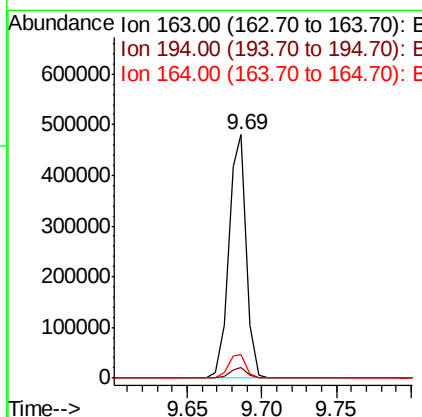
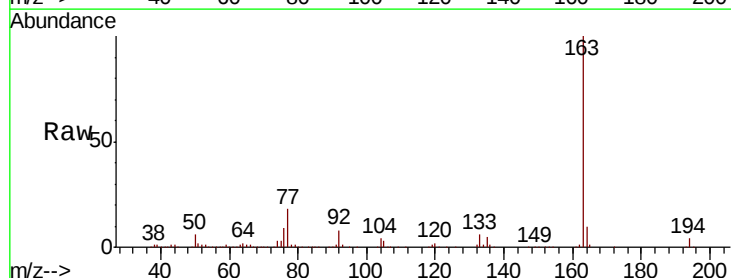
Manual Integrations
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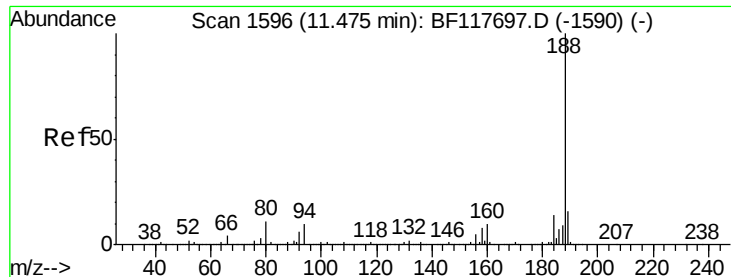
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#50
Dimethylphthalate
Concen: 7.906 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.6	8.9	13.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Instrument :

BNA_F

ClientSampleId :

3-D

Tot Ion:188 Resp: 1396515

Ion Ratio Lower Upper

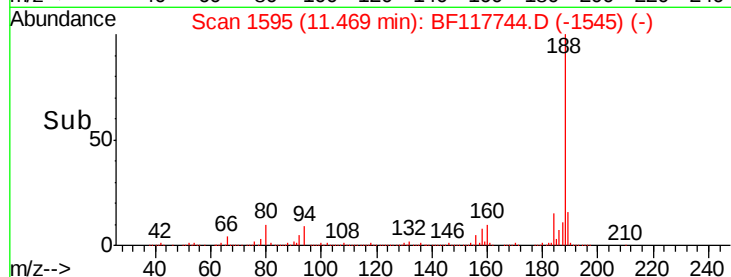
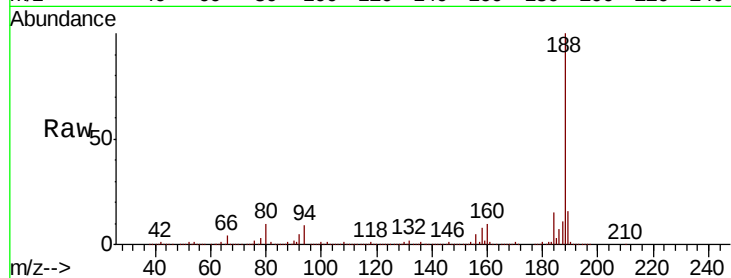
188 100

94 9.3 8.2 12.4

80 9.6 8.6 13.0

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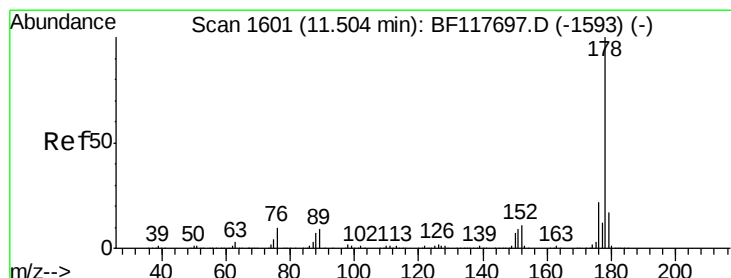
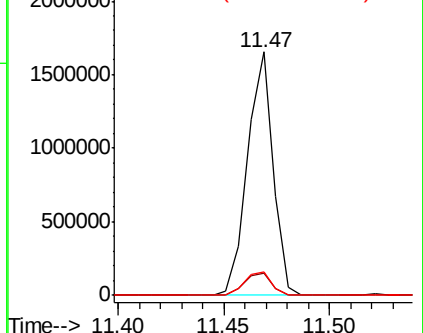
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 4.659 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

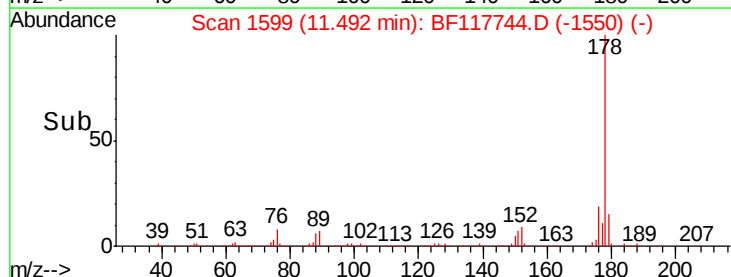
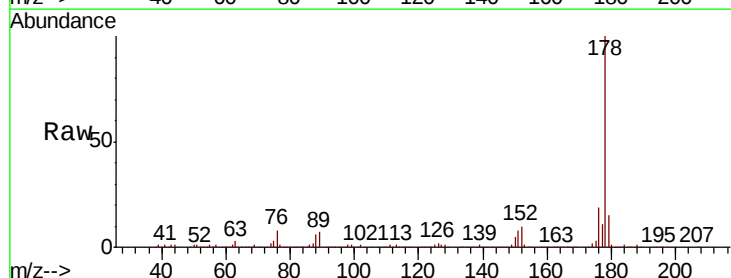
Tgt Ion:178 Resp: 311868

Ion Ratio Lower Upper

178 100

176 19.4 17.7 26.5

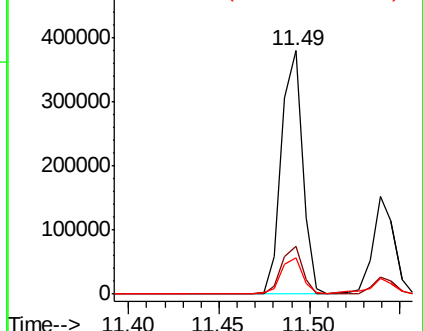
179 15.1 13.8 20.8

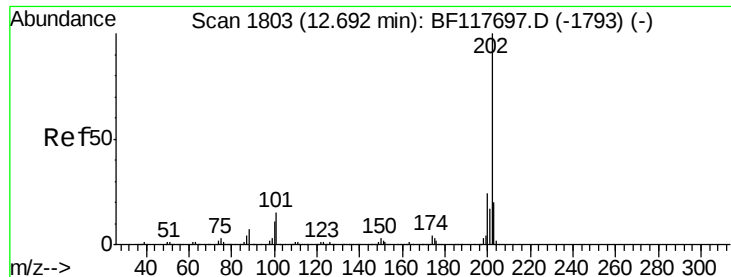


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.090 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Instrument :

BNA_F

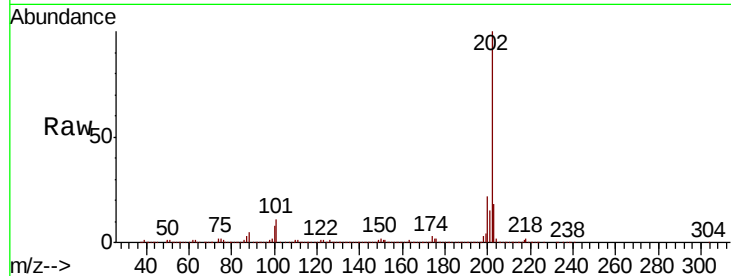
ClientSampleId :

3-D

Tot Ion:	202	Resp:	1099759
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.5
203	18.1	0.0	39.8

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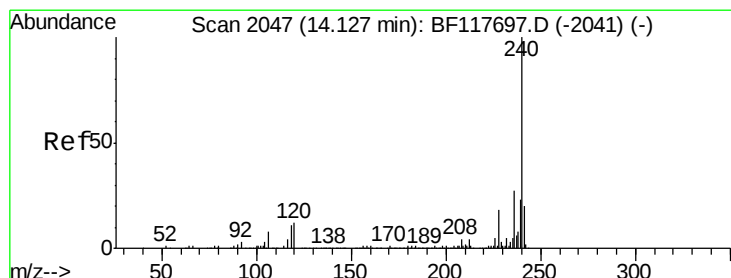
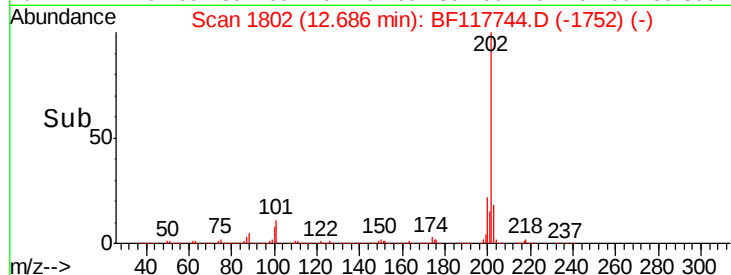
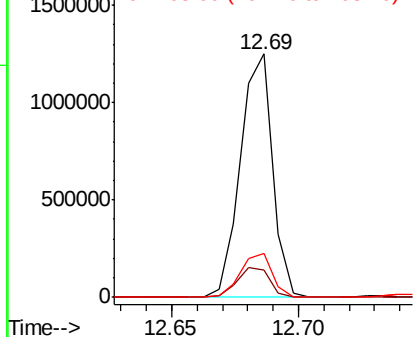


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

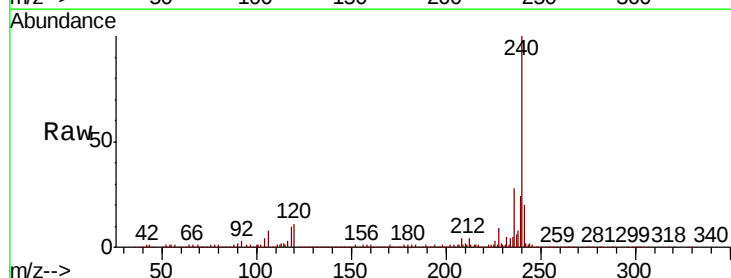
RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Tgt Ion:	240	Resp:	796980
Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	27.5	21.9	32.9

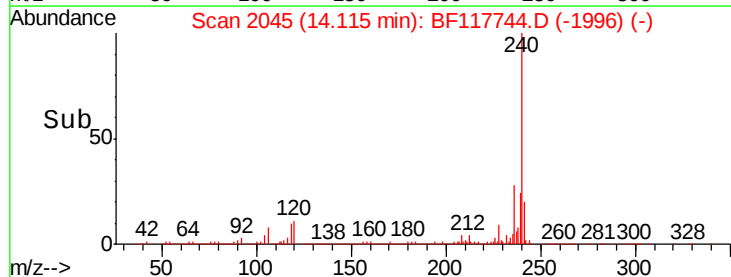
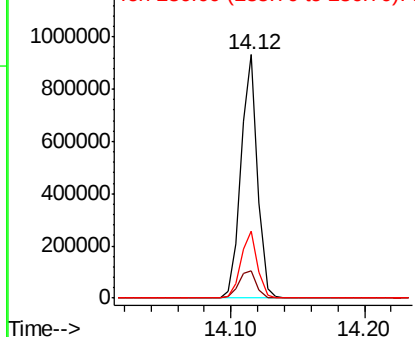


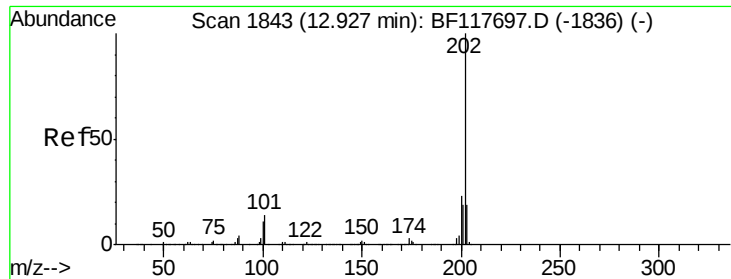
Abundance

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





#78

Pvrene

Concen: 18.379 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

Instrument :

BNA_F

ClientSampleId :

3-D

Tot Ion:202 Resp: 1069277

Ion Ratio Lower Upper

202 100

200 21.3 18.8 28.2

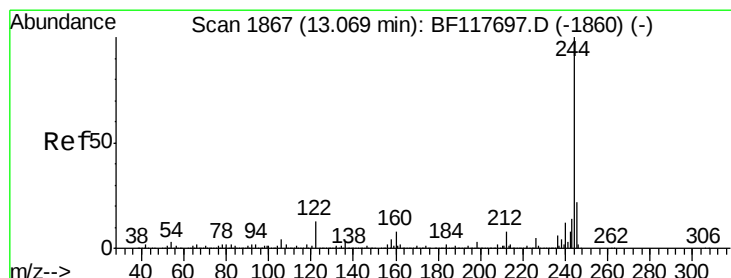
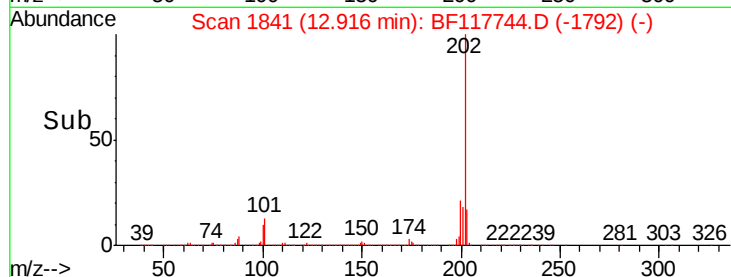
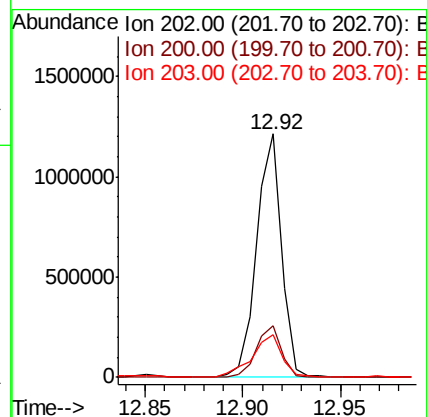
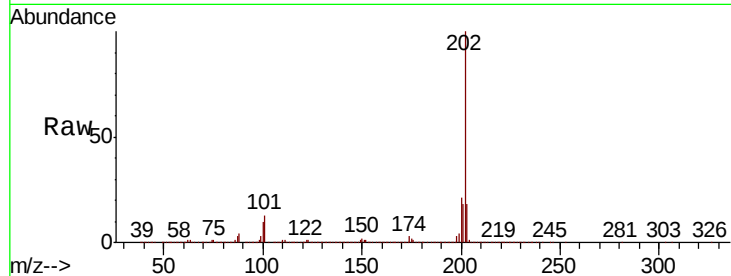
203 17.6 15.2 22.8

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#79

Terphenyl-d14

Concen: 72.831 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117744.D

Acq: 8 Nov 2019 21:10

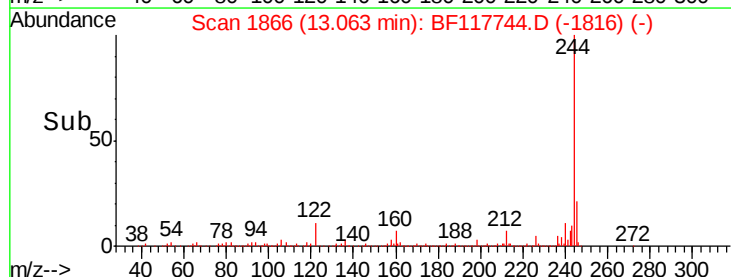
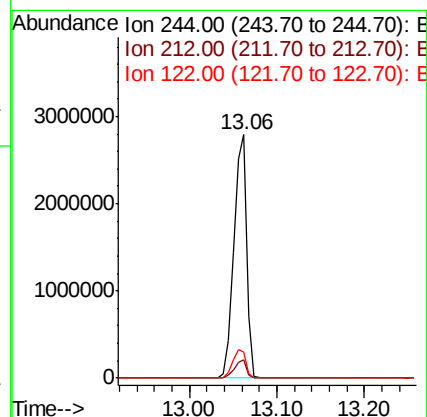
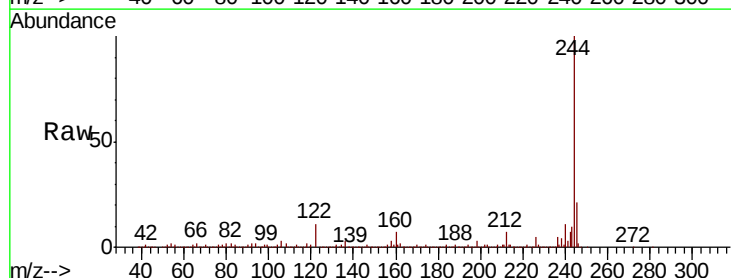
Tgt Ion:244 Resp: 2819653

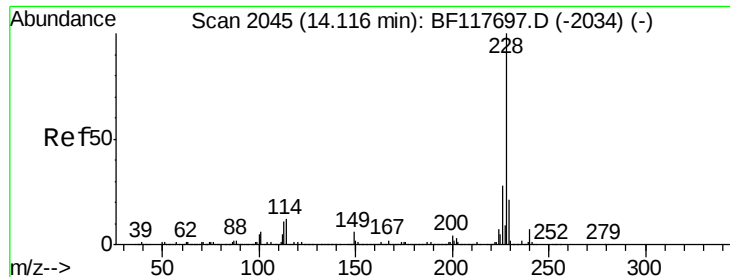
Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

122 10.8 10.0 15.0





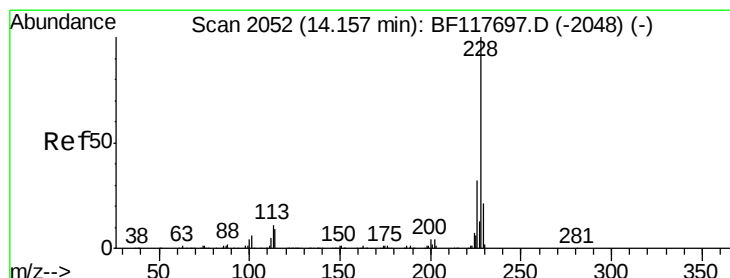
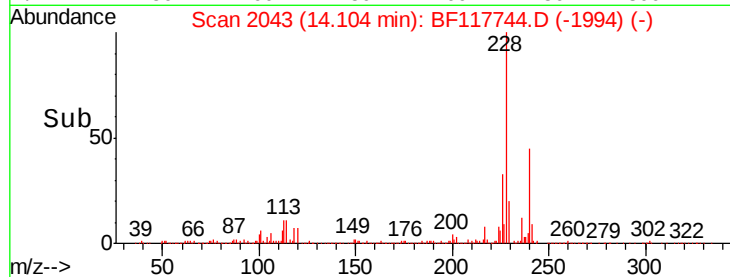
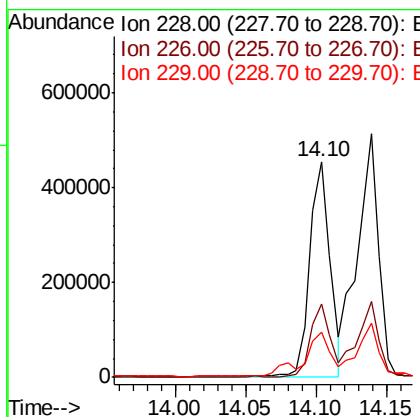
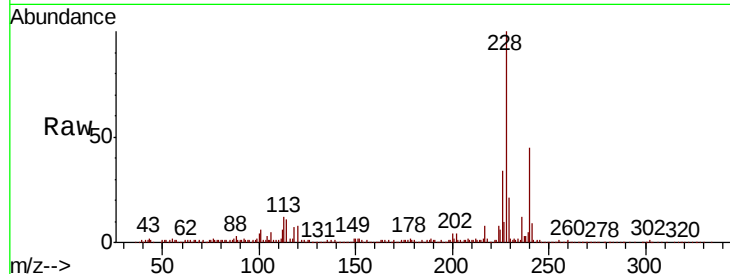
#81
Benzo(a)anthracene
Concen: 9.172 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Instrument :
BNA_F
ClientSampleId :
3-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.8	34.2
229	21.1	16.9	25.3

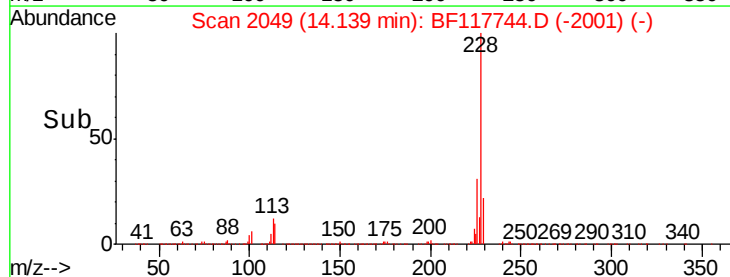
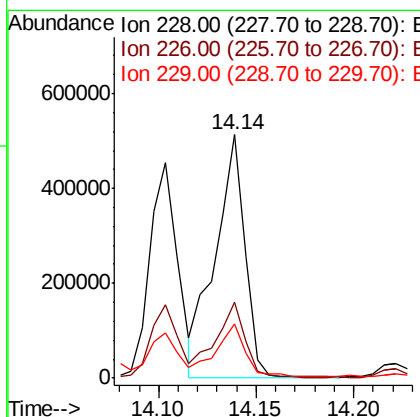
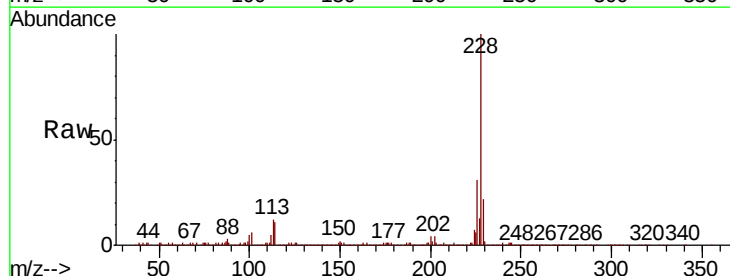
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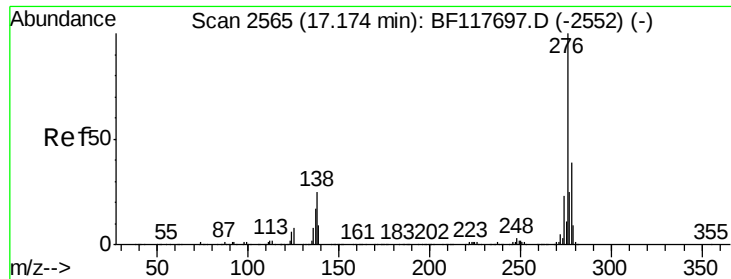
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#83
Chrysene
Concen: 11.087 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.2
229	22.2	16.6	24.8





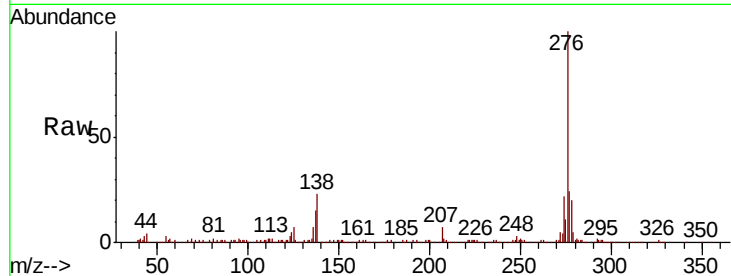
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.193 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.03 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Instrument :
BNA_F
ClientSampleId :
3-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	22.4	33.6
277	24.3	20.6	30.8

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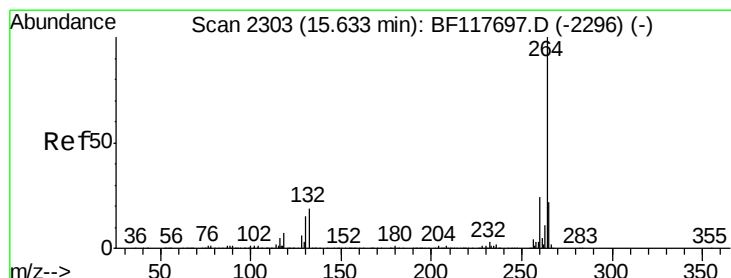
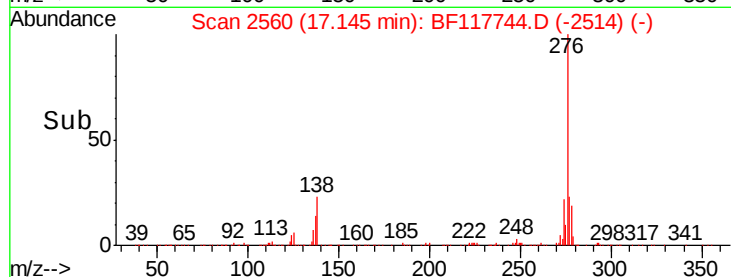
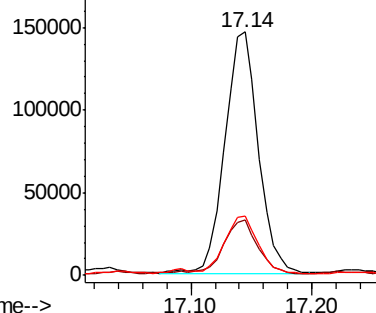


Abundance

Ion 276.00 (275.70 to 276.70): E

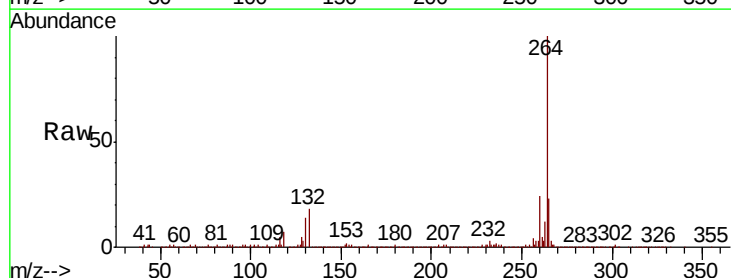
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.9	17.7	26.5

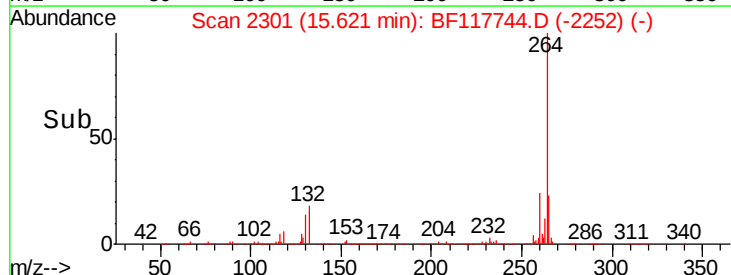
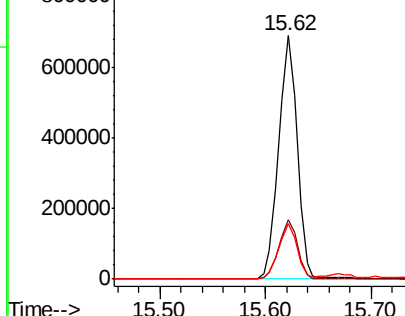


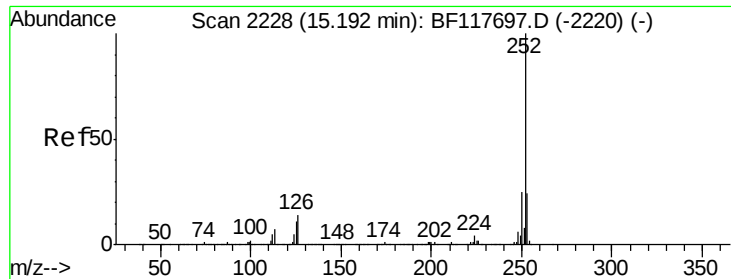
Abundance

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





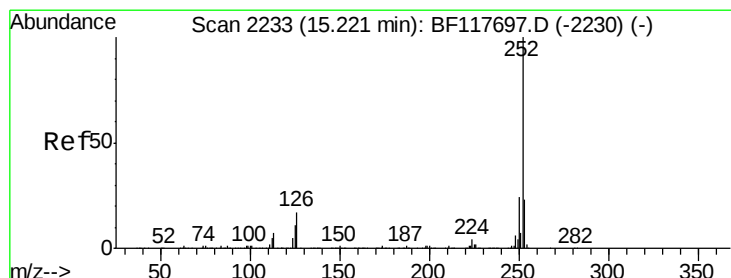
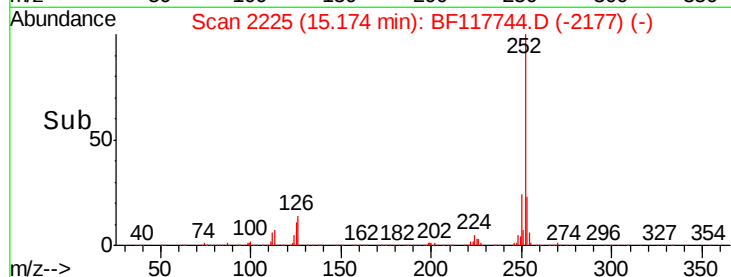
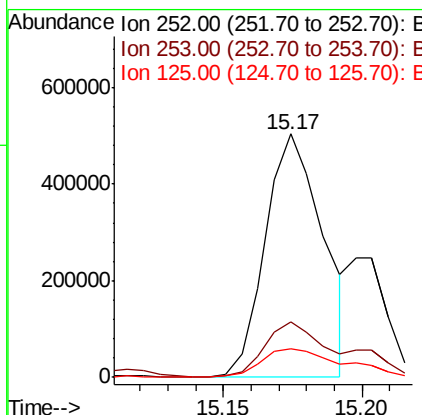
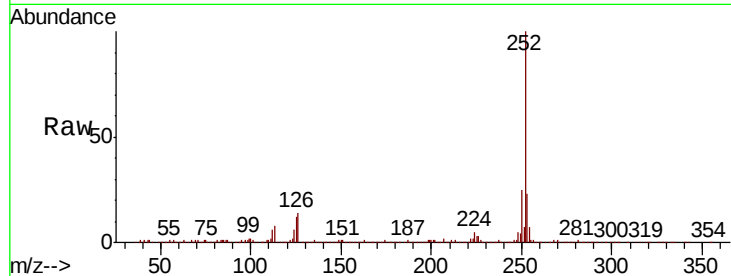
#88
Benzo(b)fluoranthene
Concen: 14.016 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Instrument :
BNA_F
ClientSampleId :
3-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.9	28.3
125	11.9	8.5	12.7

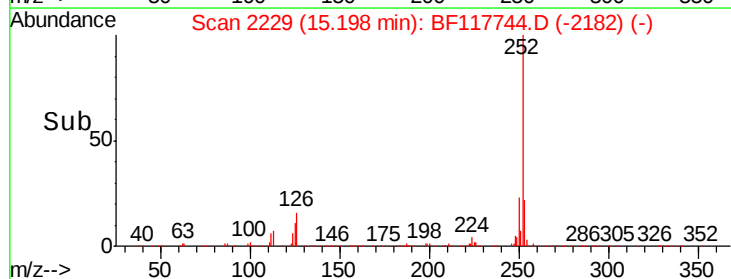
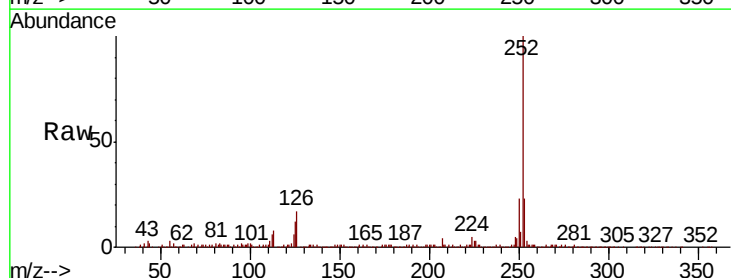
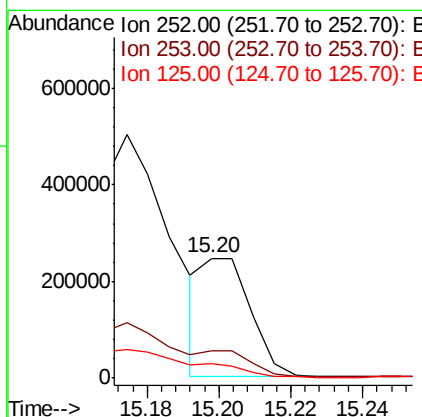
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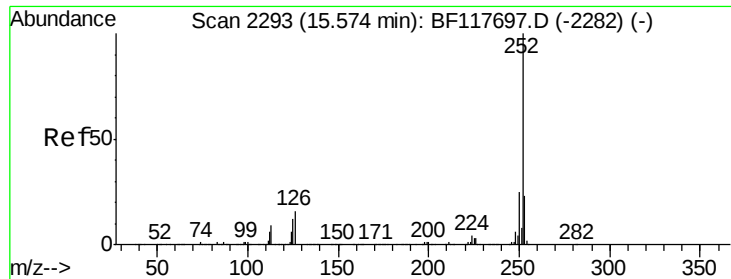
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#89
Benzo(k)fluoranthene
Concen: 4.922 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.1	9.1	13.7





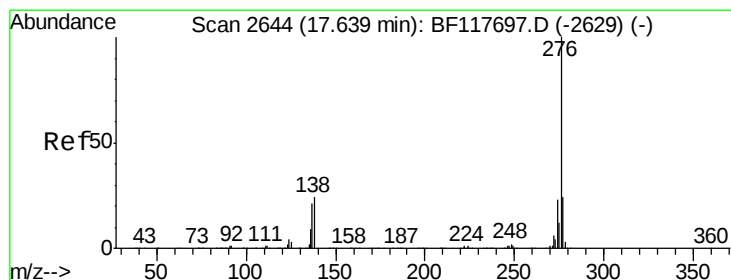
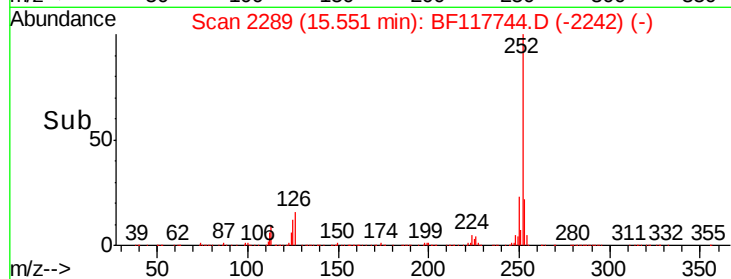
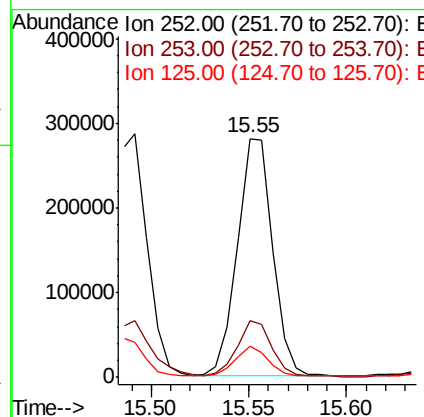
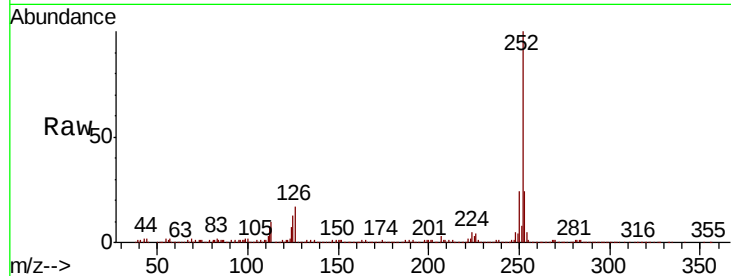
#90
Benzo(a)pyrene
Concen: 7.754 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Instrument :
BNA_F
ClientSampleId :
3-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	13.3	9.5	14.3

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#92
Benzo(g,h,i)perylene
Concen: 6.257 ng
RT: 17.60 min Scan# 2638
Delta R.T. -0.04 min
Lab File: BF117744.D
Acq: 8 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	24.5	19.2	28.8

