

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117741.D
 Acq On : 8 Nov 2019 19:50
 Operator : JU
 Sample : K5722-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-A

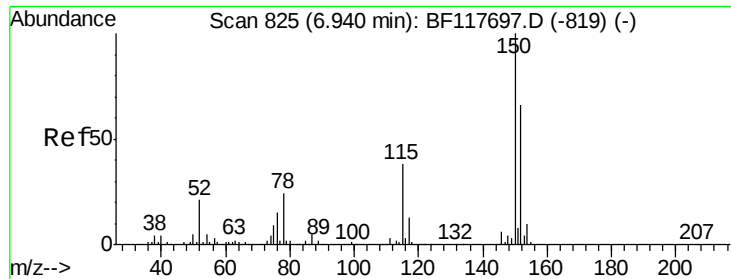
Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:18 AM

Quant Time: Nov 09 02:55:55 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	345349	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1351327	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	747926	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1398317	20.00	ng	0.00
76) Chrysene-d12	14.12	240	838104	20.00	ng	-0.01
87) Perylene-d12	15.62	264	844084	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1714226	89.85	ng	0.00
7) Phenol-d6	6.55	99	2224139	94.55	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1353644	59.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	676993	92.53	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2311210	60.97	ng	-0.01
79) Terphenyl-d14	13.06	244	2524644	62.01	ng	-0.01
Target Compounds						
10) Phenol	6.56	94	66520	2.624	ng	96
49) Acenaphthylene	9.83	152	142648	2.253	ng	97
50) Dimethylphthalate	9.68	163	283958	5.616	ng	98
71) Phenanthrene	11.49	178	1026372	15.314	ng	96
72) Anthracene	11.54	178	187034	2.805	ng	95
75) Fluoranthene	12.69	202	2446880	35.754	ng	98
78) Pyrene	12.92	202	2125825	34.747	ng	99
81) Benzo(a)anthracene	14.10	228	835161	16.009	ng	96
83) Chrysene	14.14	228	931098	18.073	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	413977	8.633	ng	93
88) Benzo(b)fluoranthene	15.18	252	1013252m	19.060	ng	
89) Benzo(k)fluoranthene	15.20	252	387959m	8.182	ng	
90) Benzo(a)pyrene	15.56	252	533940	11.586	ng	100
91) Dibenzo(a,h)anthracene	17.16	278	106955m	2.588	ng	
92) Benzo(a,h,i)perylene	17.61	276	367591	9.177	ng	98

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



#1

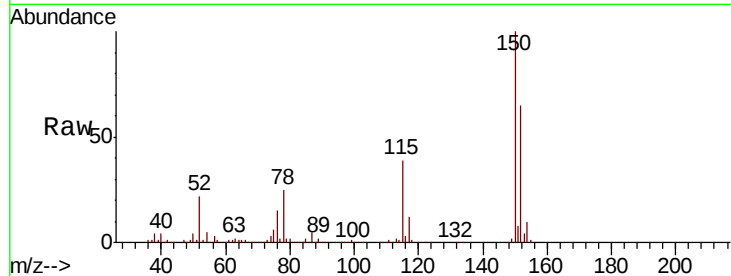
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampled :
3-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	121.4	182.2
115	59.7	46.7	70.1

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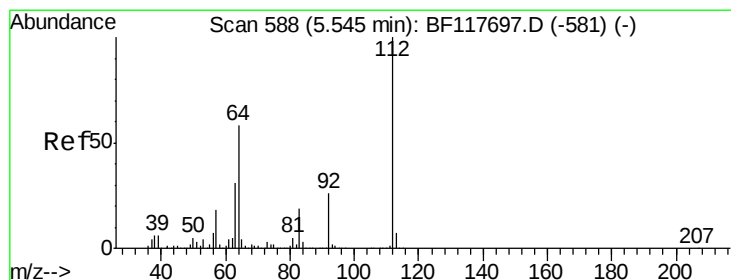
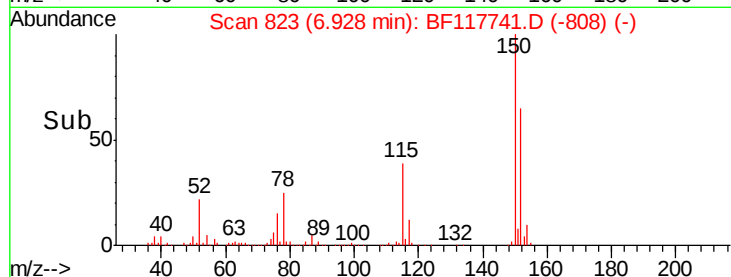
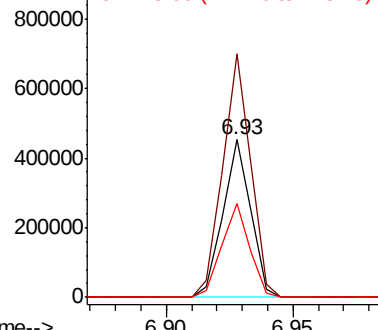


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

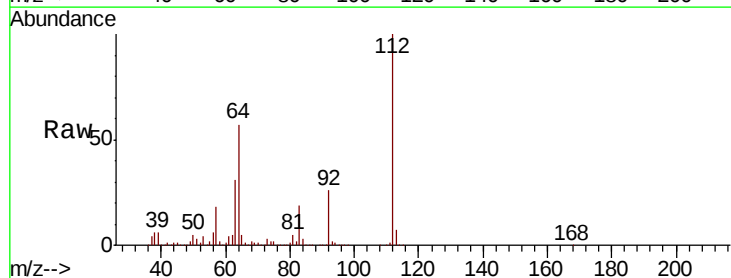
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.851 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.4	69.6
63	31.0	24.6	37.0

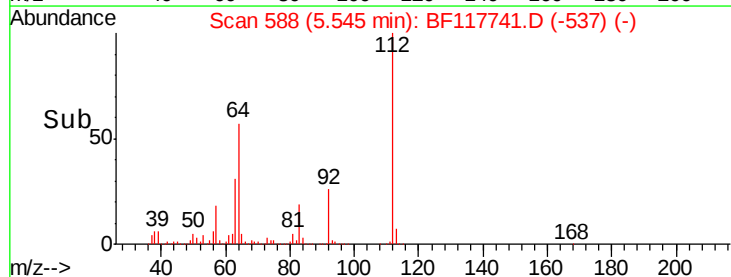
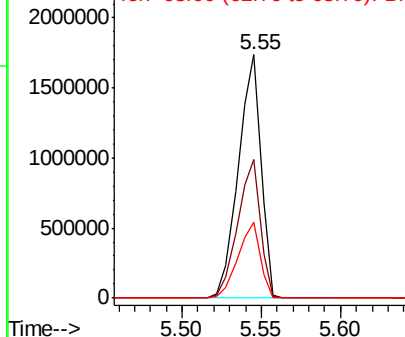


Abundance

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: 94.547 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampled :

3-A

Tot Ion: 99 Resp: 2224139

Ion Ratio Lower Upper

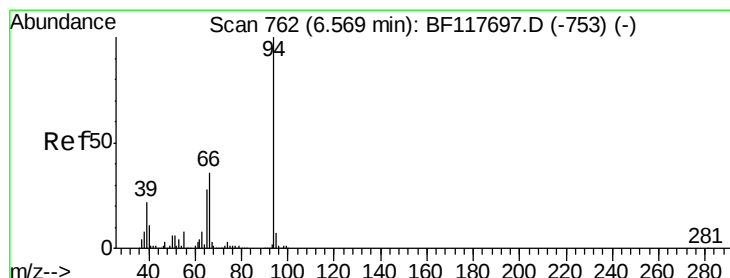
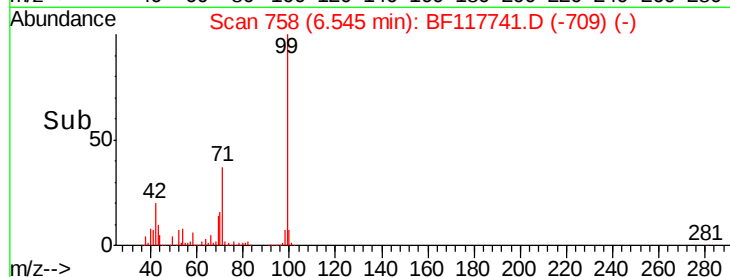
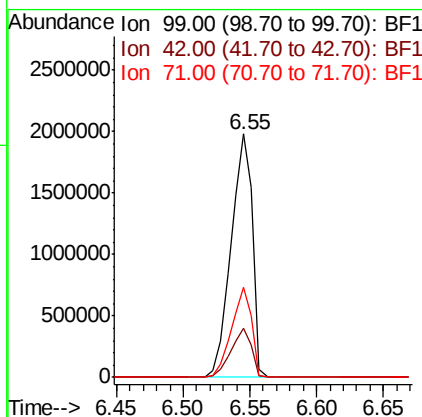
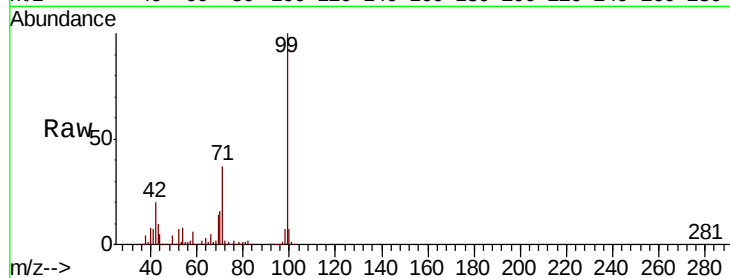
99 100

42 20.3 15.3 22.9

71 36.7 26.8 40.2

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#10

Phenol

Concen: 2.624 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

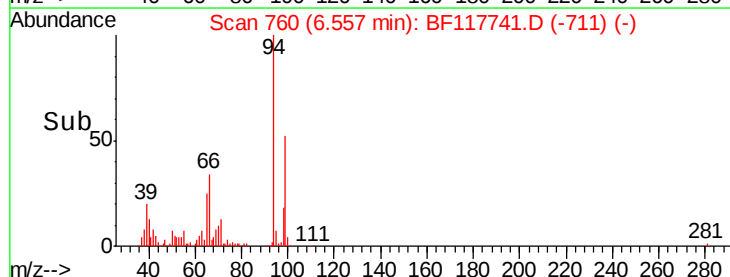
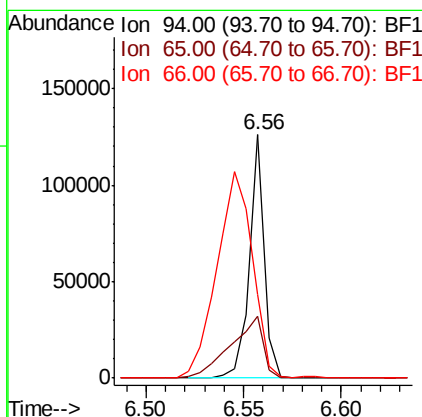
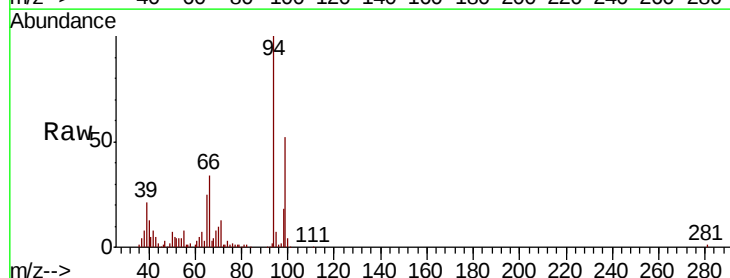
Tgt Ion: 94 Resp: 66520

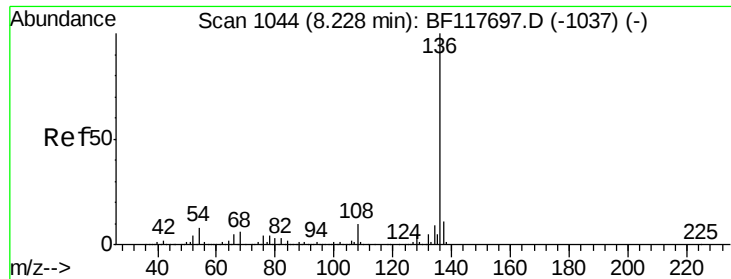
Ion Ratio Lower Upper

94 100

65 25.3 7.6 47.6

66 34.3 16.1 56.1





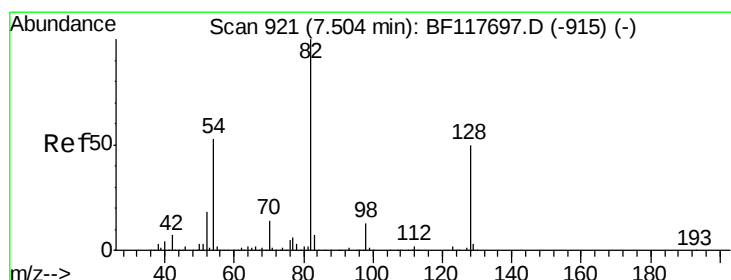
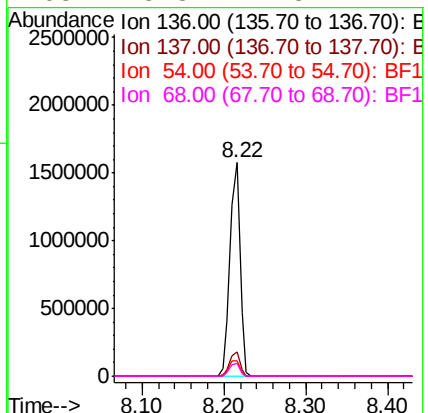
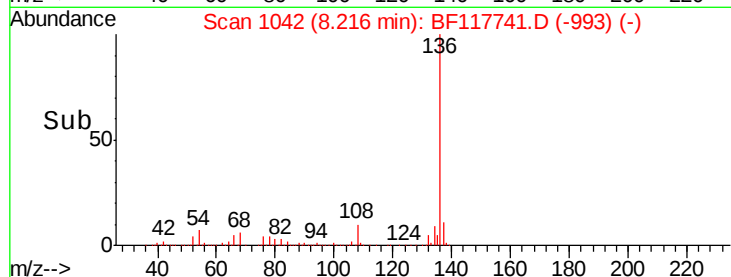
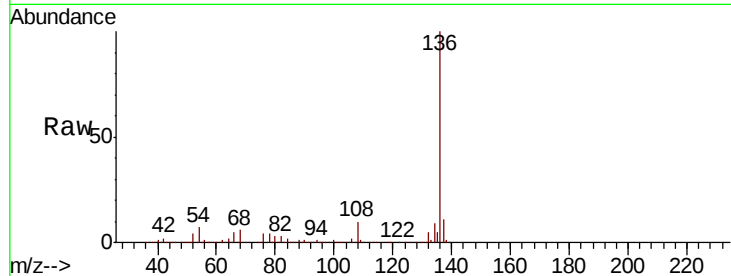
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampled :
3-A

Tot Ion	136	Resp	1351327
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	7.4	6.0	9.0
68	5.8	4.8	7.2

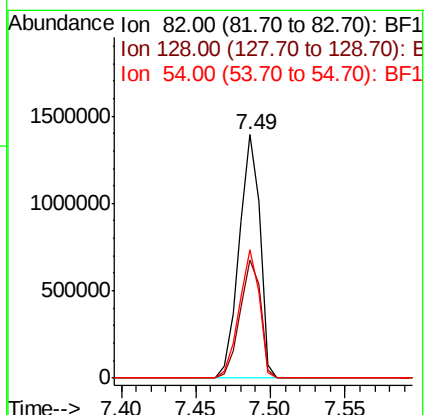
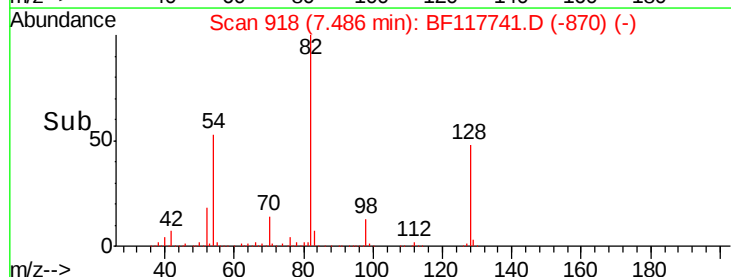
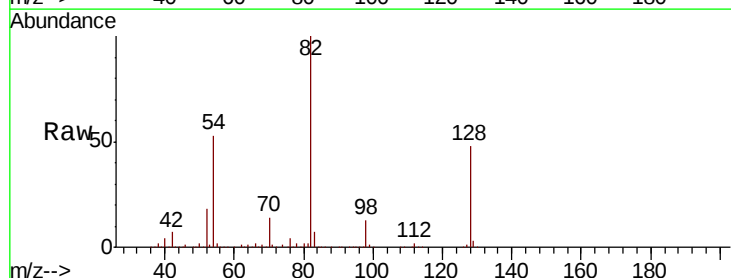
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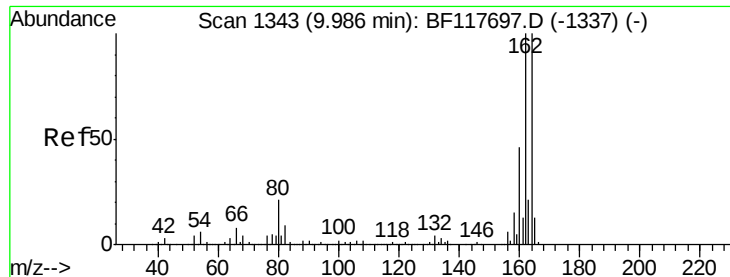
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#23
Nitrobenzene-d5
Concen: 59.140 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	82	Resp	1353644
Ion	Ratio	Lower	Upper
82	100		
128	48.5	40.2	60.2
54	52.8	42.0	63.0





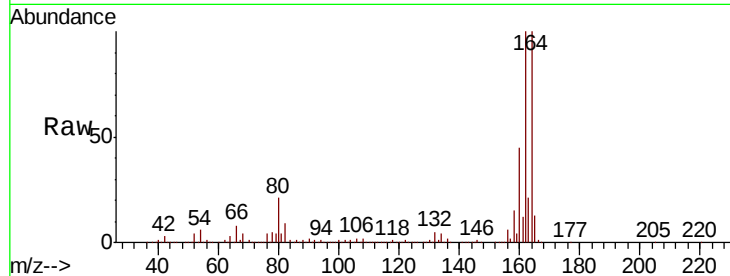
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampled :
3-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.7	119.5
160	45.3	36.5	54.7

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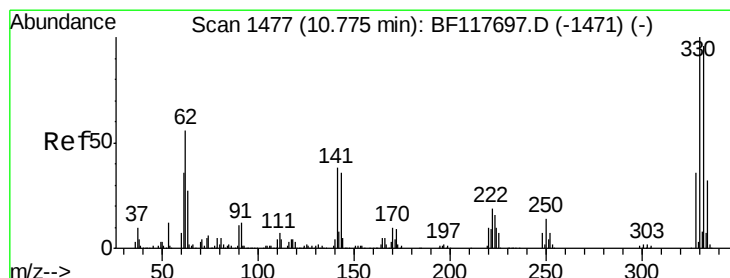
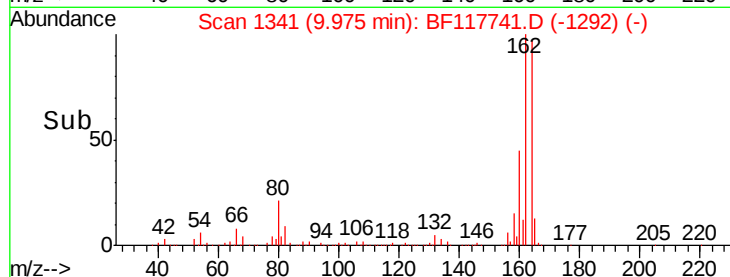
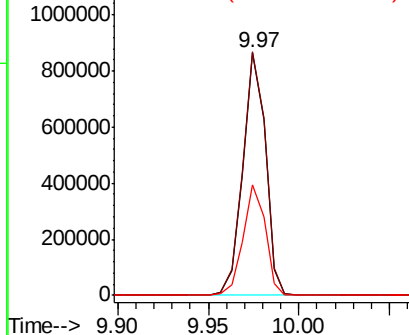


Abundance

Ion 164.00 (163.70 to 164.70): E

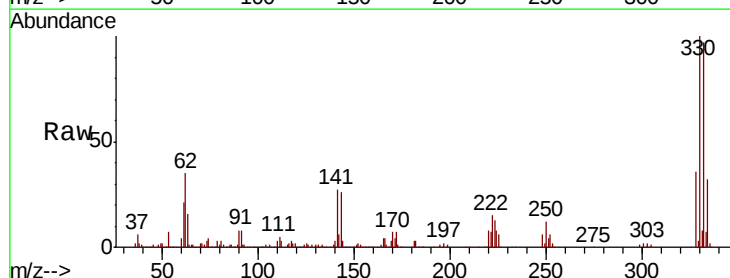
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 92.531 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	33.8	28.0	42.0

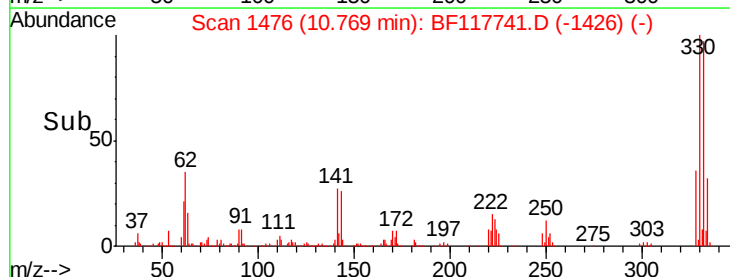
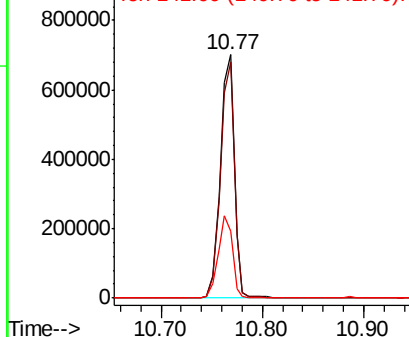


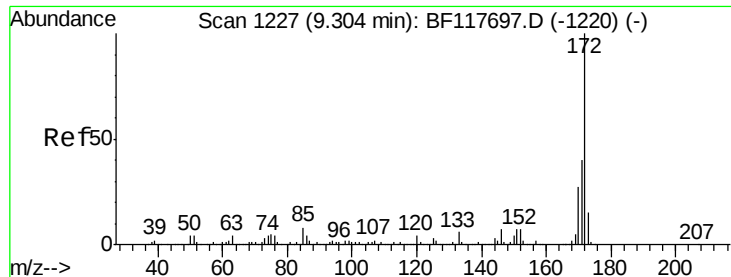
Abundance

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





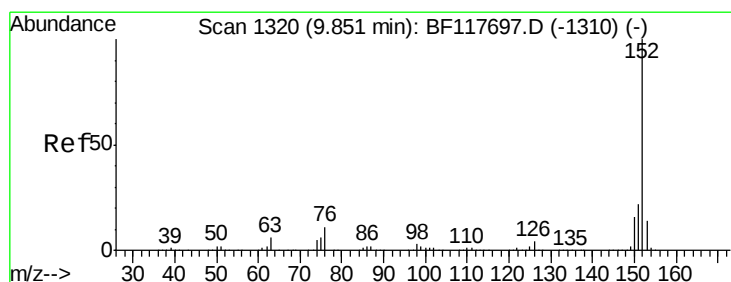
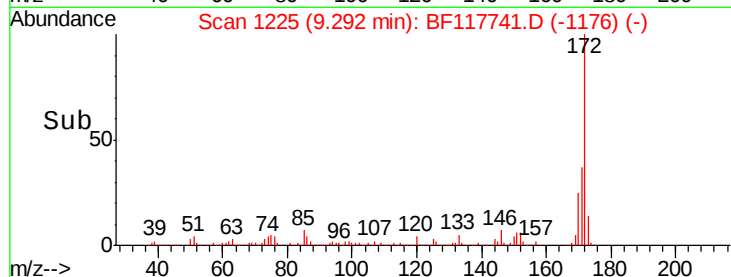
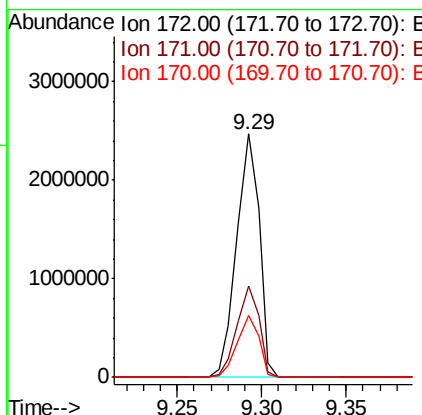
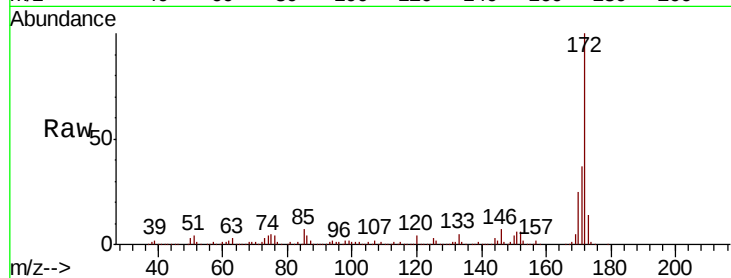
#45
2-Fluorobiphenyl
Concen: 60.969 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampleId :
3-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.8	47.8
170	25.2	21.6	32.4

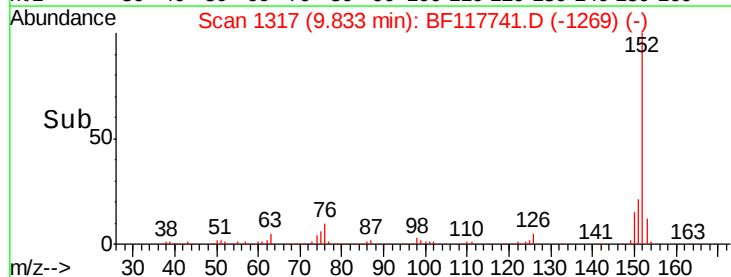
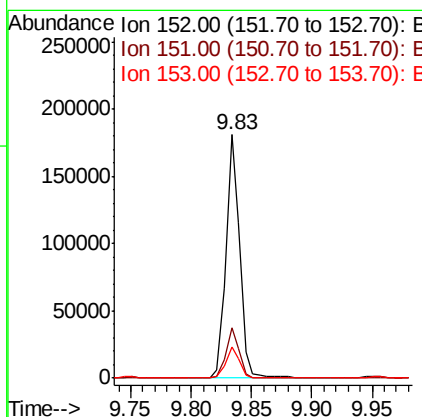
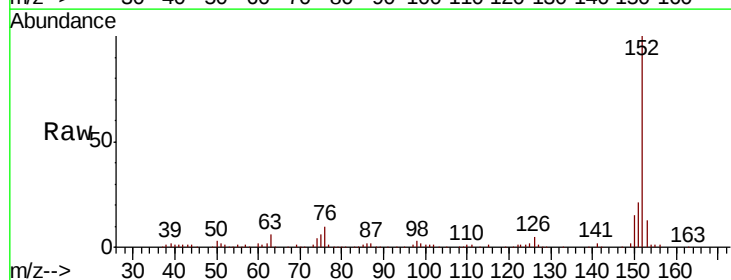
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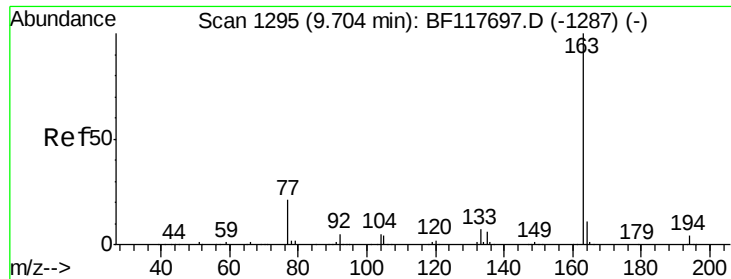
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#49
Acenaphthylene
Concen: 2.253 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.8	26.6
153	12.7	11.5	17.3





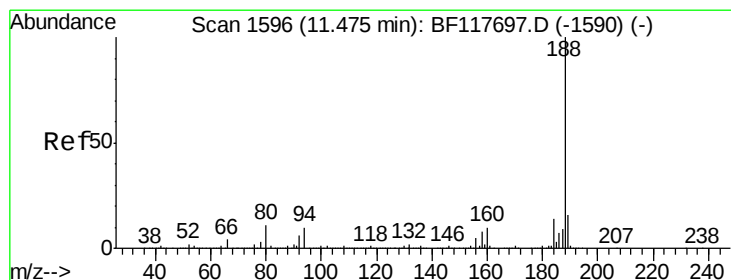
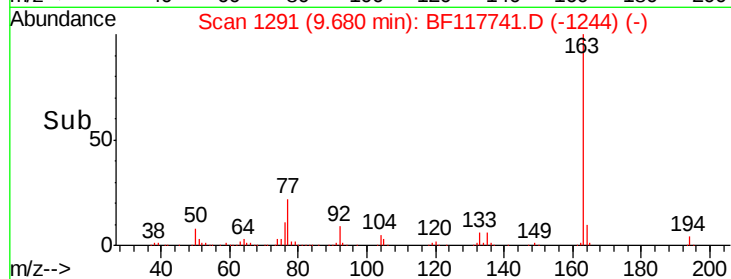
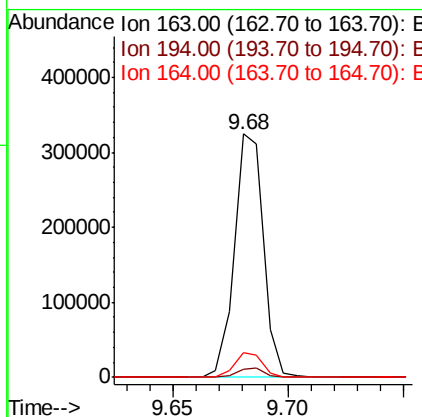
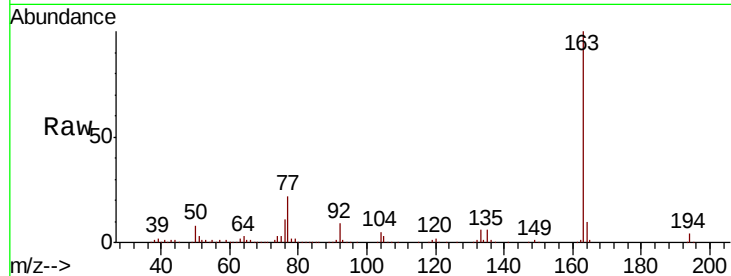
#50
Dimethylphthalate
Concen: 5.616 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampleId :
3-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	283958		
194	3.6		3.4	5.0
164	10.2		8.9	13.3

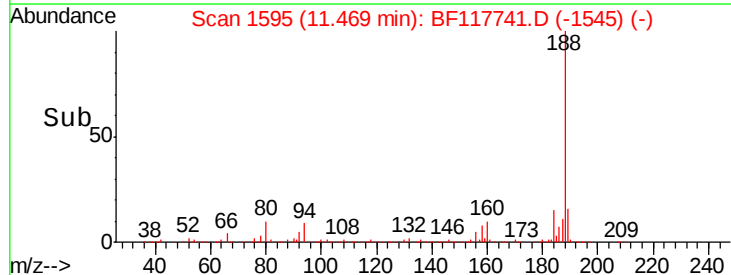
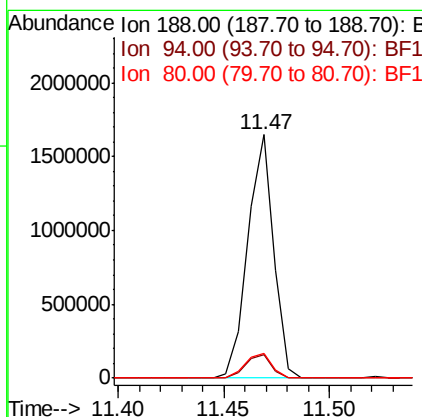
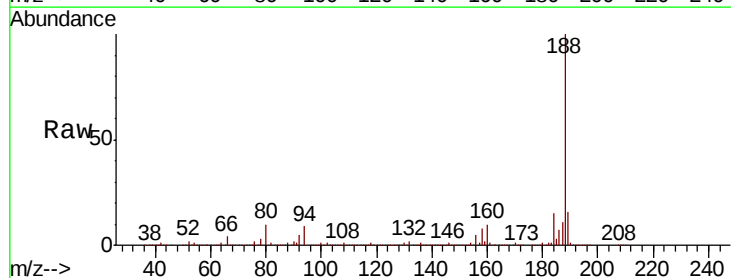
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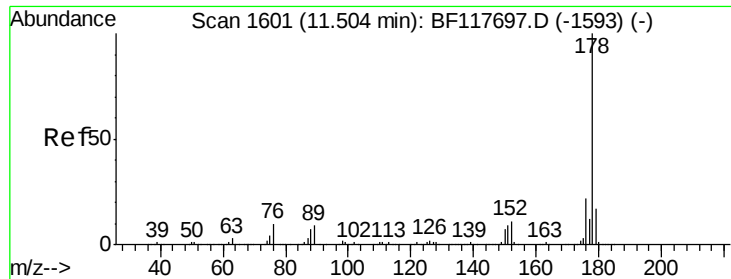
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1398317		
94	9.4		8.2	12.4
80	10.1		8.6	13.0





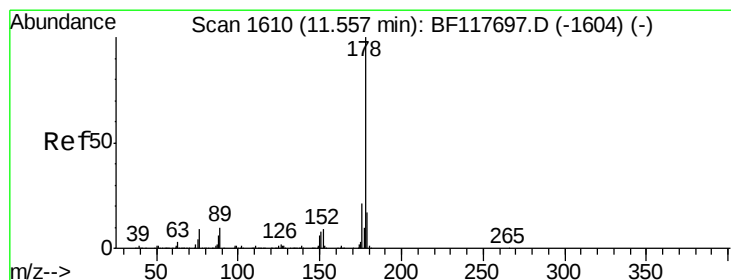
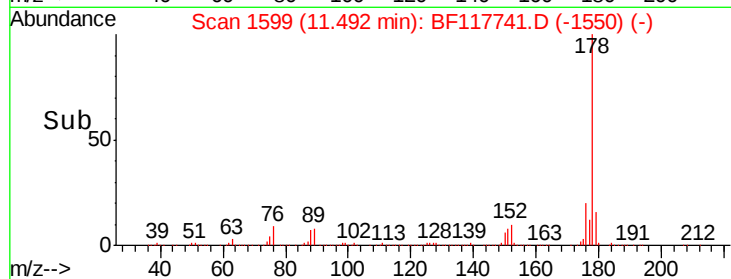
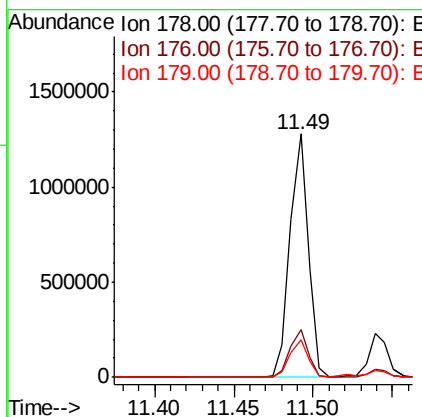
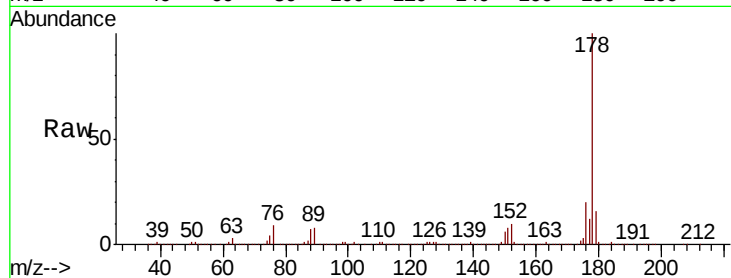
#71
Phenanthrene
Concen: 15.314 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampleId :
3-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.7	26.5
179	15.6	13.8	20.8

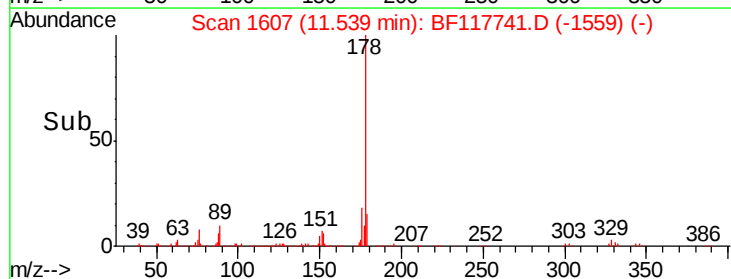
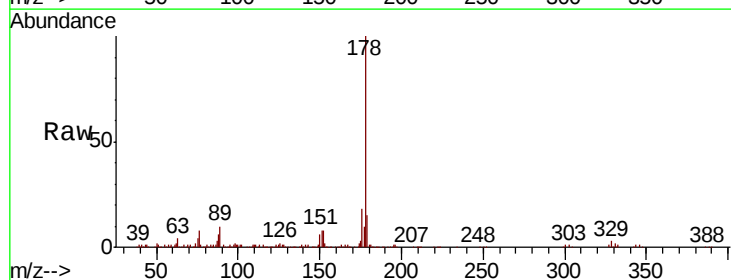
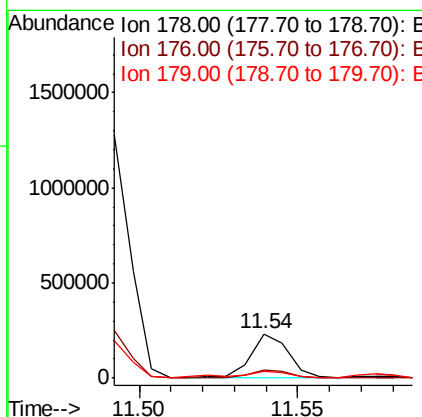
Manual Integrations
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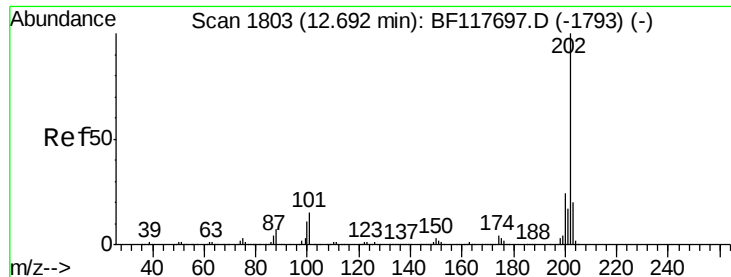
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#72
Anthracene
Concen: 2.805 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.6	25.0
179	15.4	13.5	20.3





#75

Fluoranthene

Concen: 35.754 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

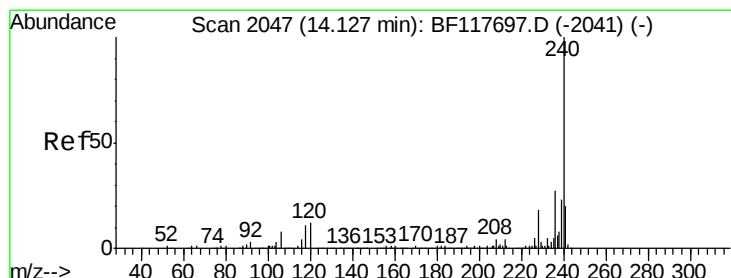
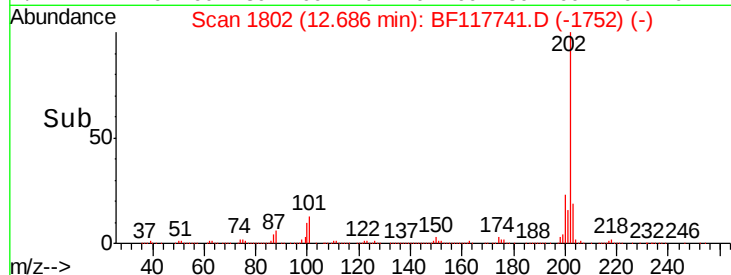
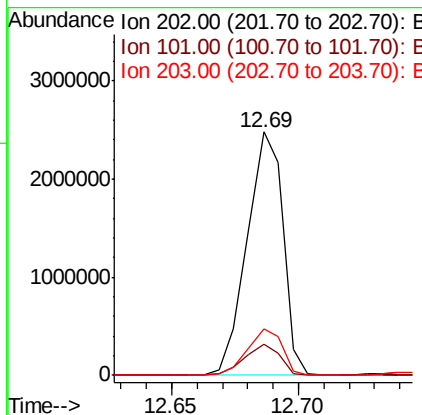
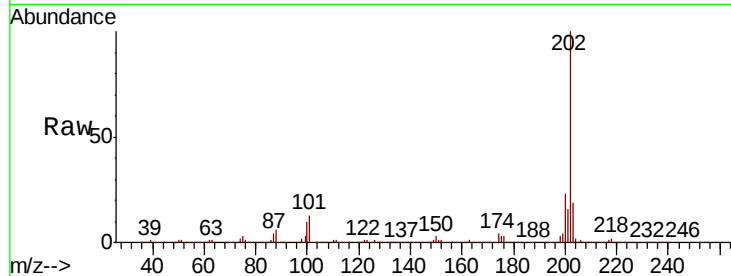
ClientSampleId :

3-A

Tot Ion:	202	Resp:	2446880
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.5
203	19.3	0.0	39.8

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#76

Chrysene-d12

Concen: 20.000 ng

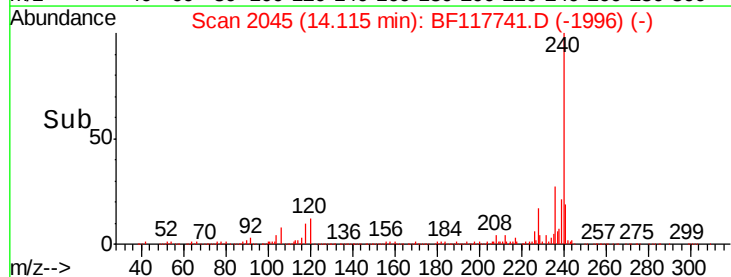
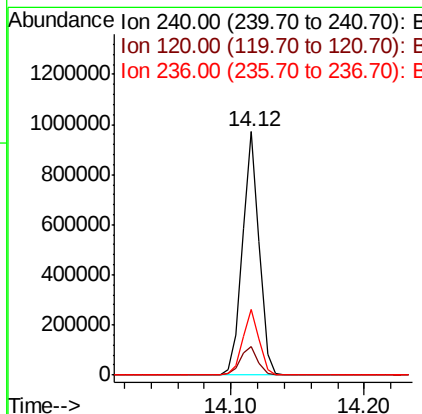
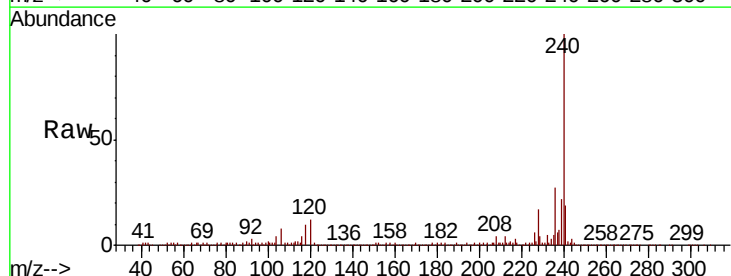
RT: 14.12 min Scan# 2045

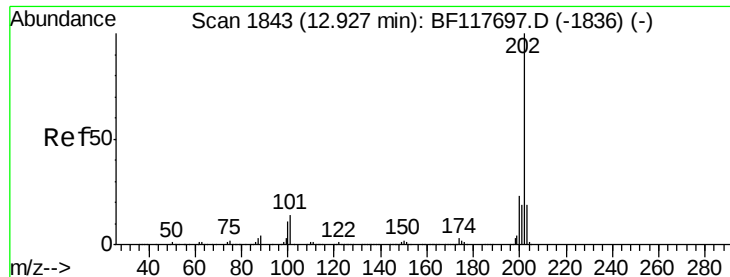
Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Tgt Ion:	240	Resp:	838104
Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	26.9	21.9	32.9





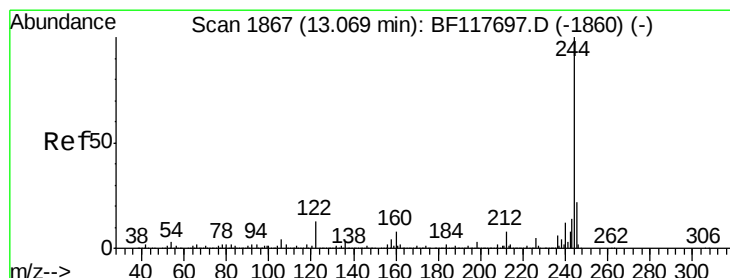
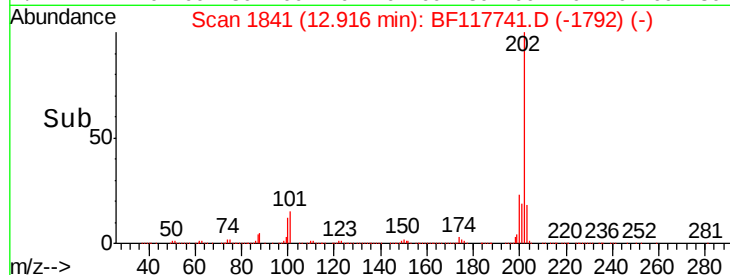
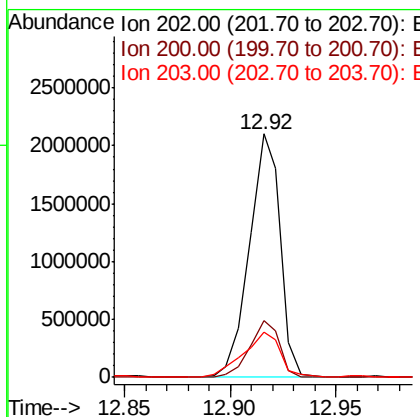
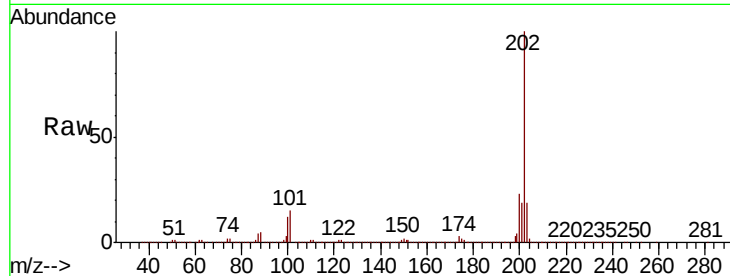
#78
Pvrene
Concen: 34.747 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampleId :
3-A

Tot Ion:202 Resp: 2125825
Ion Ratio Lower Upper
202 100
200 23.1 18.8 28.2
203 18.7 15.2 22.8

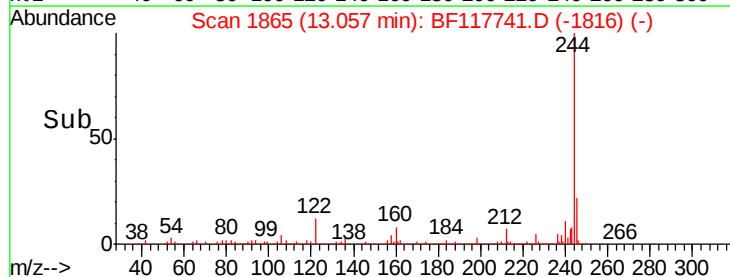
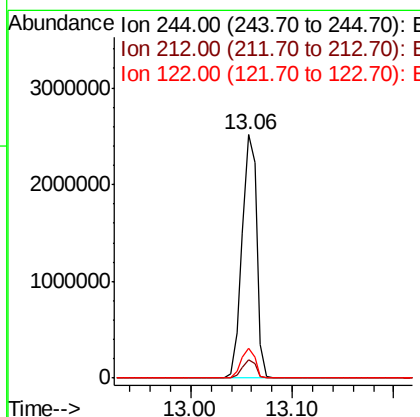
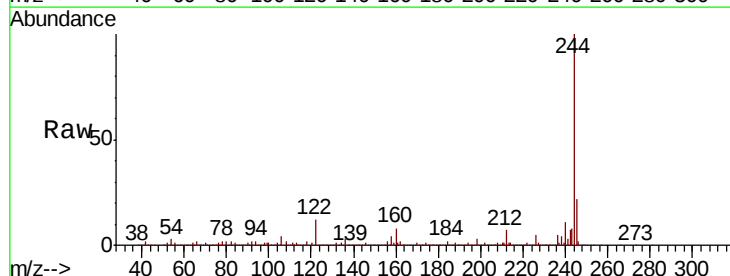
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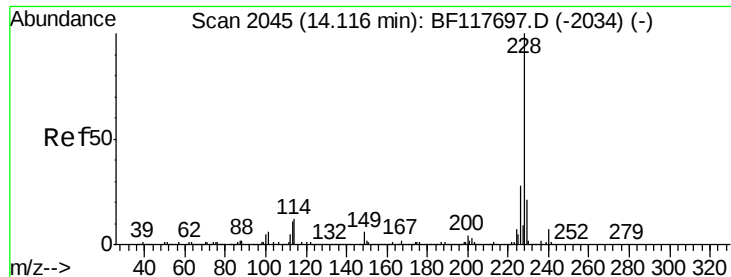
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#79
Terphenyl-d14
Concen: 62.011 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion:244 Resp: 2524644
Ion Ratio Lower Upper
244 100
212 7.4 6.4 9.6
122 12.3 10.0 15.0





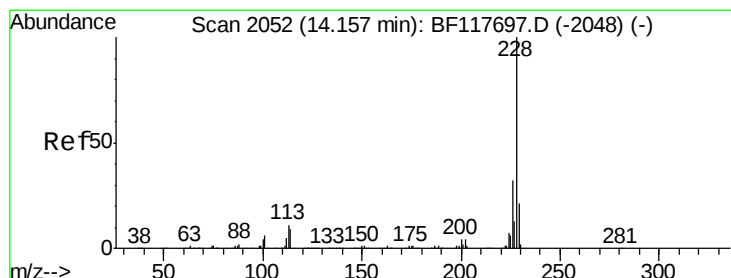
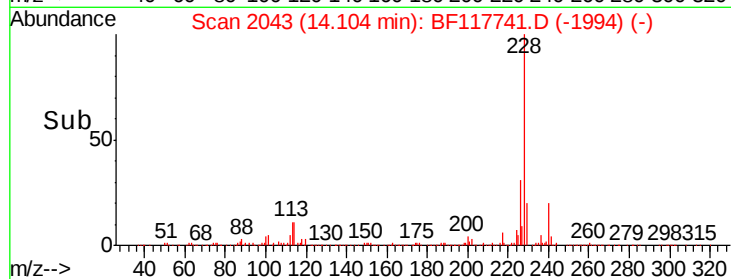
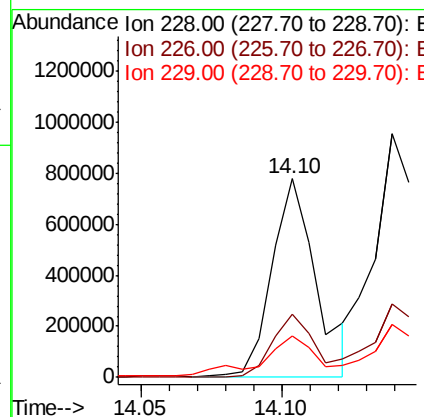
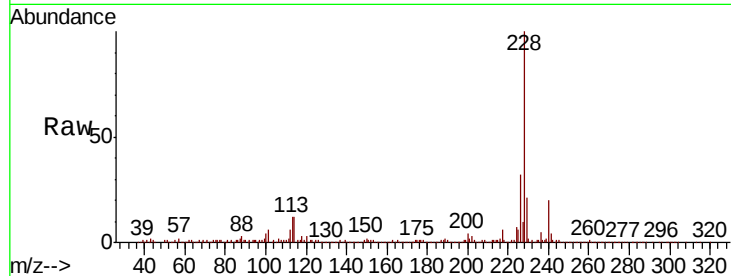
#81
Benzo(a)anthracene
Concen: 16.009 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampleId :
3-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.8	34.2
229	21.2	16.9	25.3

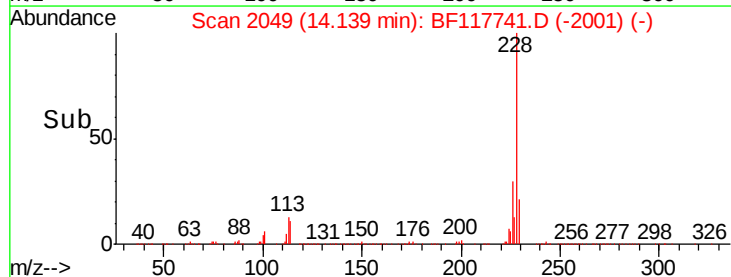
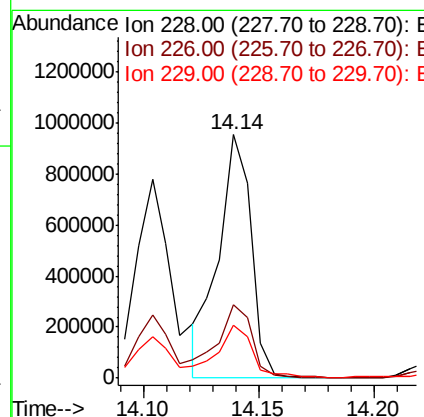
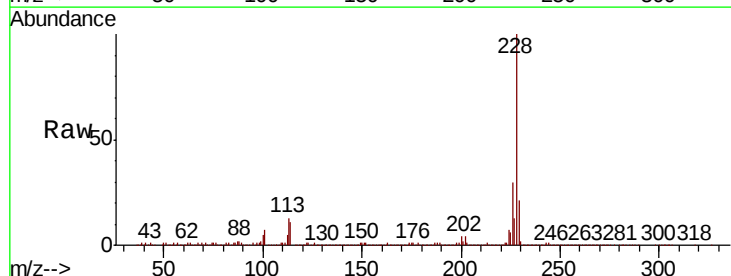
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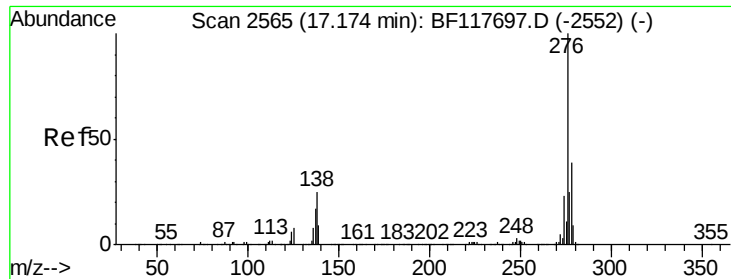
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#83
Chrysene
Concen: 18.073 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	21.5	16.6	24.8





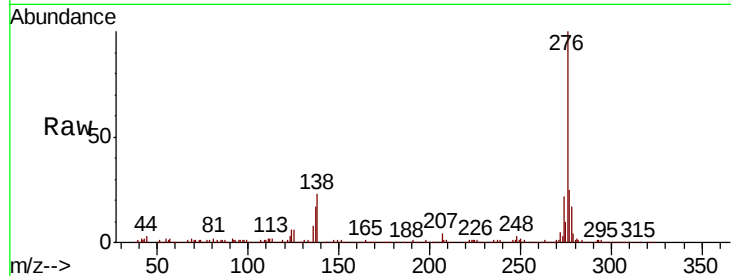
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.633 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.03 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampled :
3-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	22.4	33.6
277	24.4	20.6	30.8

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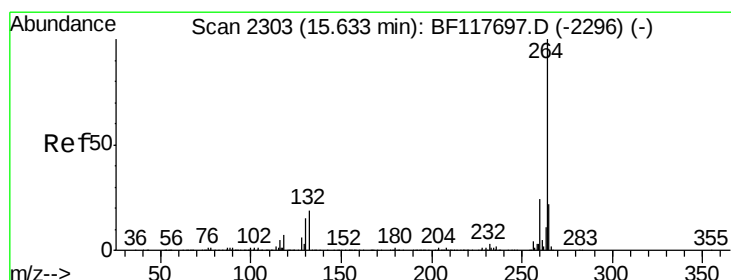
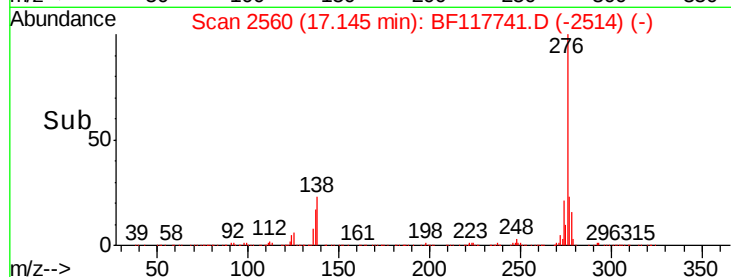
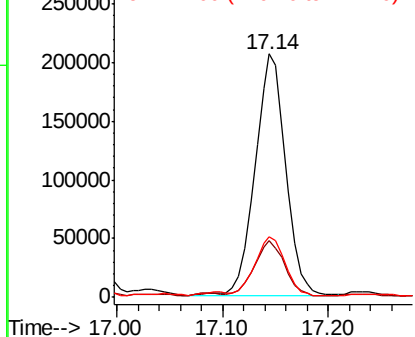


Abundance

Ion 276.00 (275.70 to 276.70): E

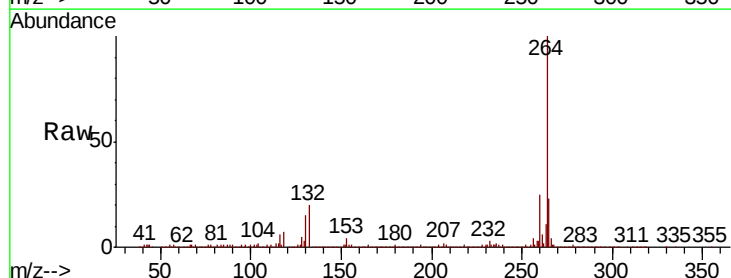
Ion 138.00 (137.70 to 138.70): E

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: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.8	28.2
265	23.2	17.7	26.5

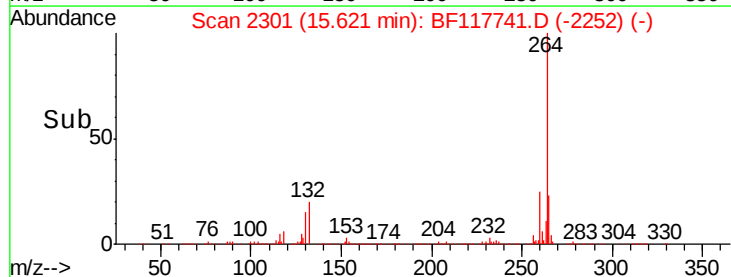
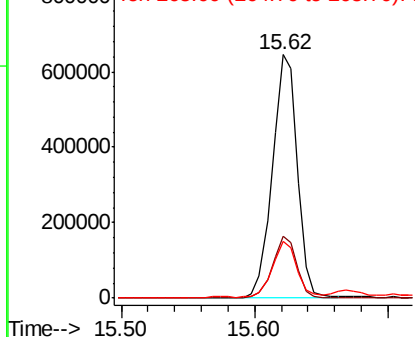


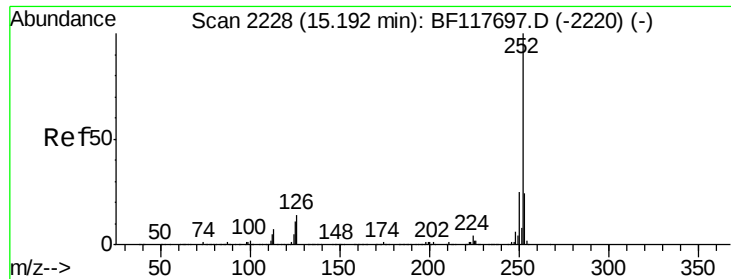
Abundance

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





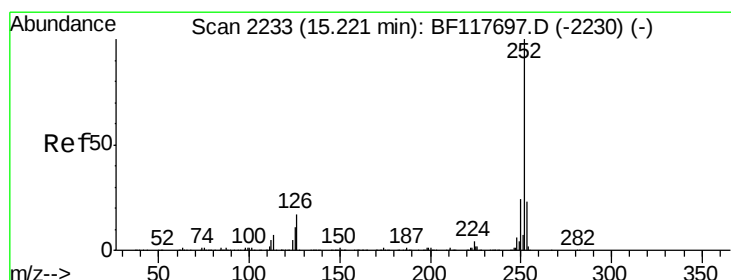
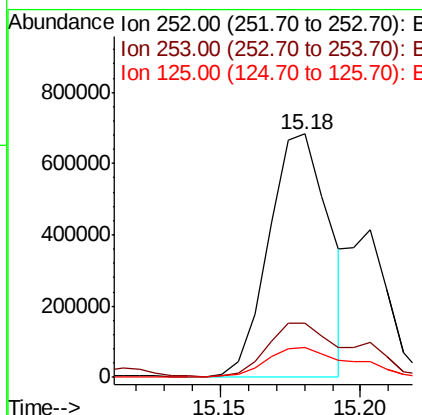
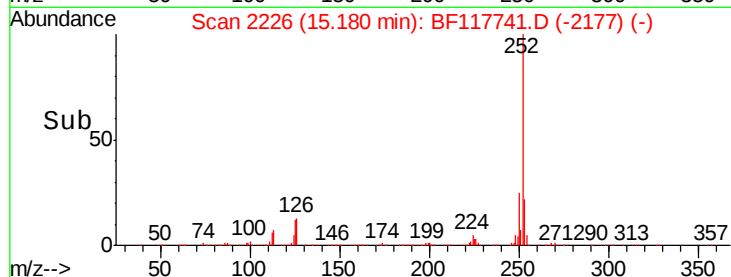
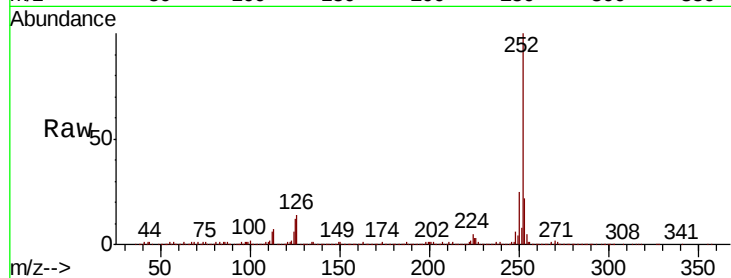
#88
Benzo(b)fluoranthene
Concen: 19.060 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampled :
3-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.9	28.3
125	12.4	8.5	12.7

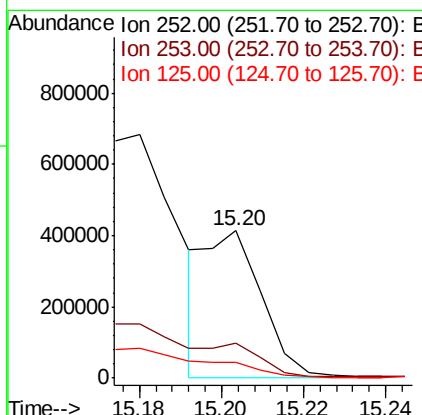
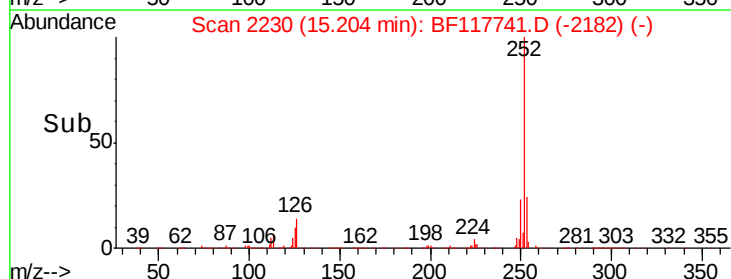
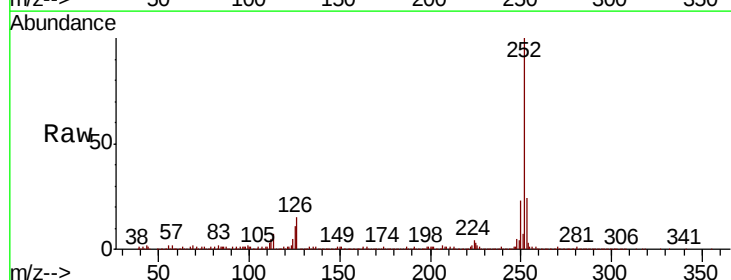
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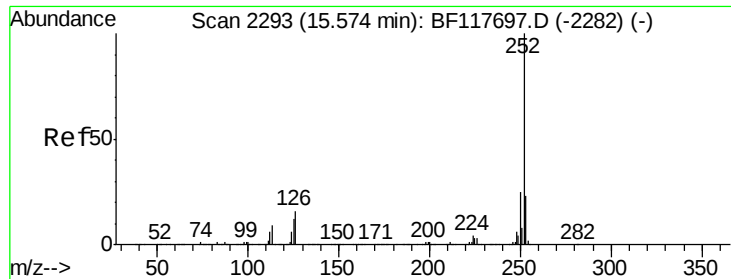
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#89
Benzo(k)fluoranthene
Concen: 8.182 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	10.8	9.1	13.7





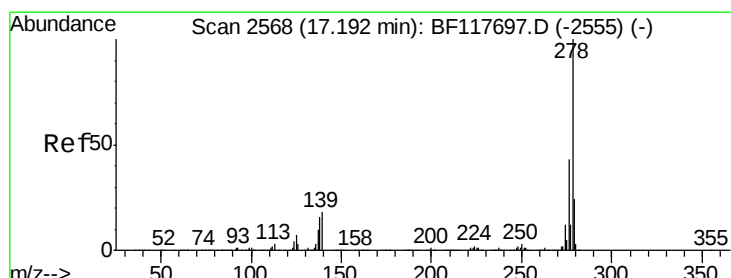
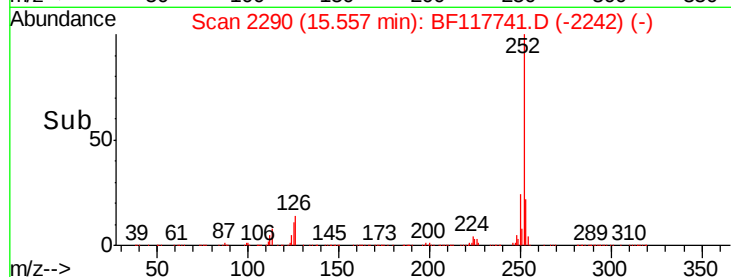
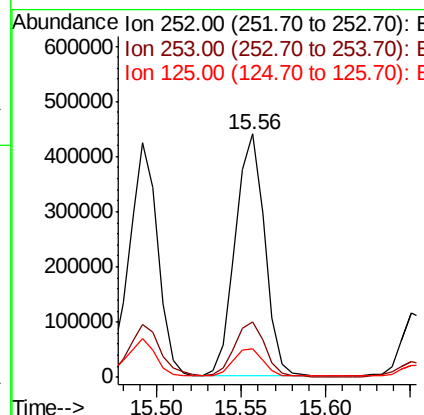
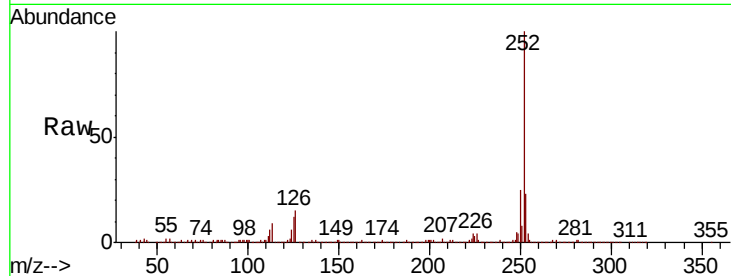
#90
Benzo(a)pyrene
Concen: 11.586 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampleId :
3-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.8	9.5	14.3

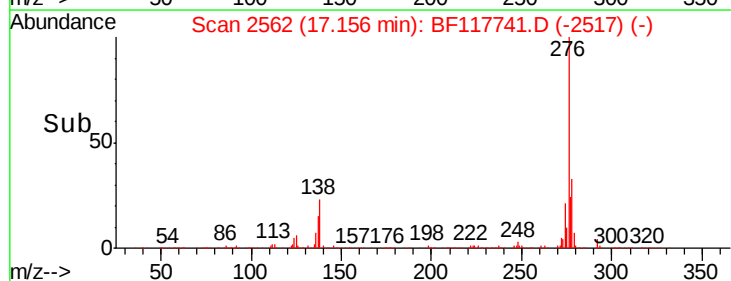
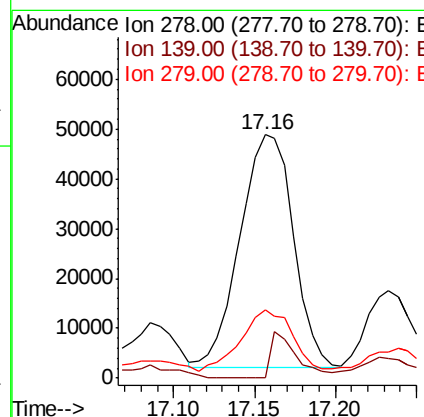
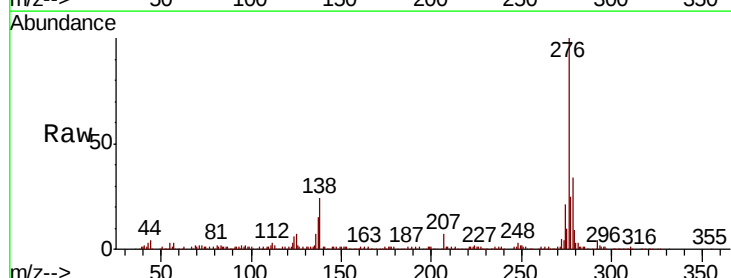
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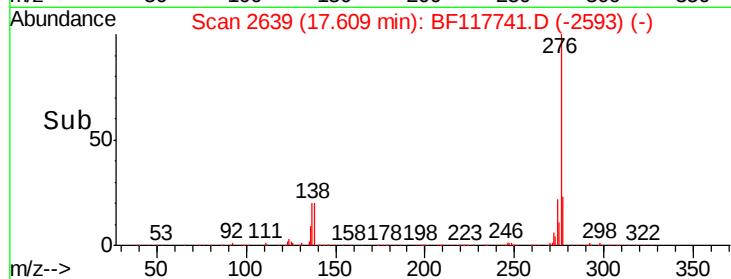
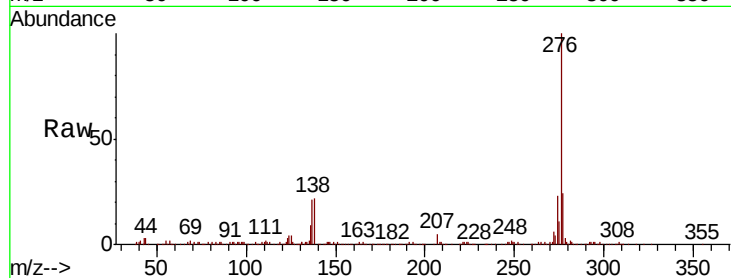
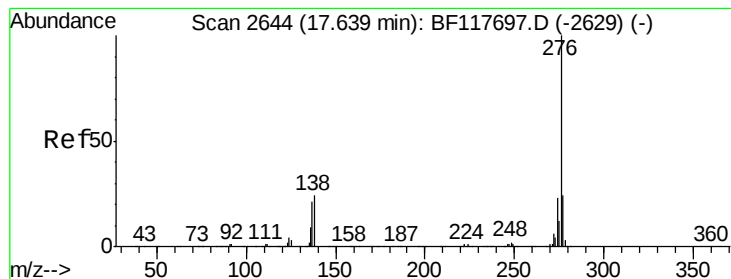
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#91
Dibenzo(a,h)anthracene
Concen: 2.588 ng m
RT: 17.16 min Scan# 2562
Delta R.T. -0.04 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.3	21.5#
279	27.8	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 9.177 ng

RT: 17.61 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampleId :

3-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.5	19.4	29.0		
138	22.4	19.2	28.8		

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