

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
 Data File : BF117711.D
 Acq On : 7 Nov 2019 18:13
 Operator : JU
 Sample : K5723-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-A

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:31:37 PM

Quant Time: Nov 08 02:28:26 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	320129	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1243999	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	651583	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1186304	20.00	ng	0.00
76) Chrysene-d12	14.12	240	752922	20.00	ng	-0.01
87) Perylene-d12	15.63	264	884003	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1549291	87.60	ng	0.00
7) Phenol-d6	6.55	99	1979808	90.79	ng	0.00
23) Nitrobenzene-d5	7.49	82	1194542	56.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	543759	85.31	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2128139	64.44	ng	0.00
79) Terphenyl-d14	13.06	244	2173419	59.42	ng	0.00
Target Compounds						
10) Phenol	6.56	94	98563	4.195	ng	93
50) Dimethylphthalate	9.69	163	409042	9.286	ng	99
71) Phenanthrene	11.49	178	157971	2.778	ng	95
75) Fluoranthene	12.69	202	385382	6.638	ng	95
78) Pyrene	12.92	202	409670	7.454	ng	97
81) Benzo(a)anthracene	14.10	228	204946	4.373	ng	96
83) Chrysene	14.14	228	259243	5.601	ng	97
86) Indeno(1,2,3-cd)pyrene	17.15	276	123655	2.871	ng	95
88) Benzo(b)fluoranthene	15.18	252	327592m	5.884	ng	
90) Benzo(a)pyrene	15.56	252	164748	3.413	ng	99
92) Benzo(g,h,i)perylene	17.62	276	113615	2.708	ng	97

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

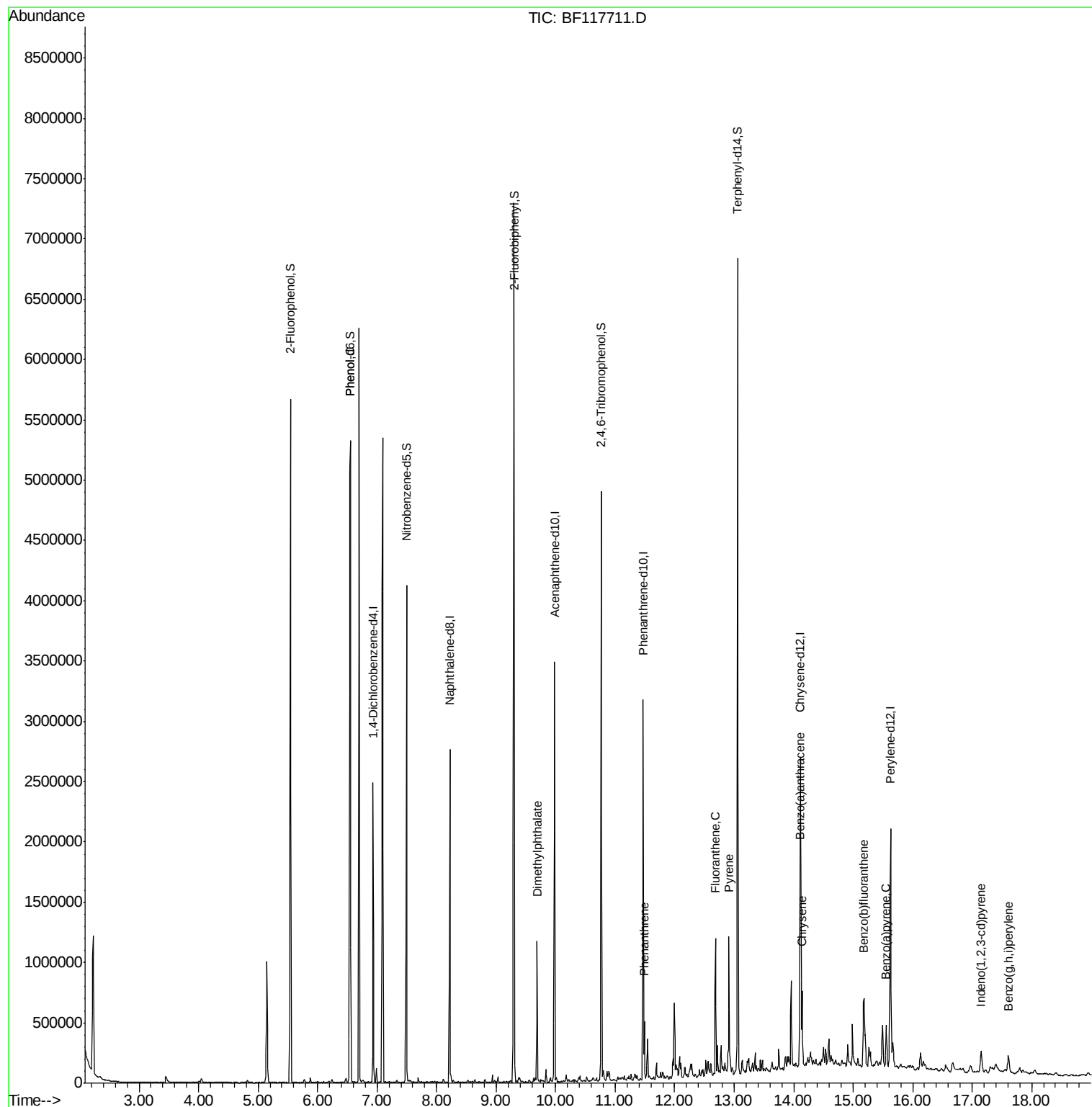
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117711.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

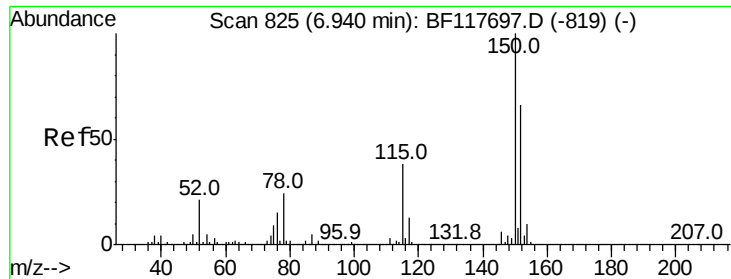
Instrument :
BNA_F
ClientSampled :
8-A

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#1

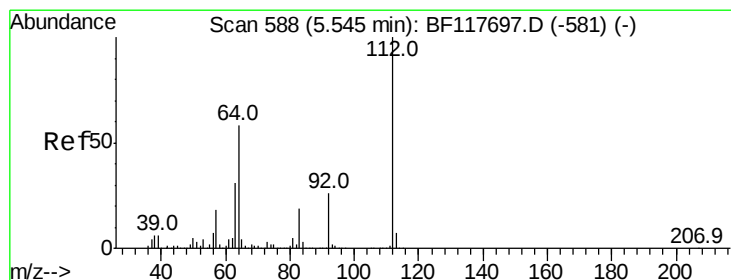
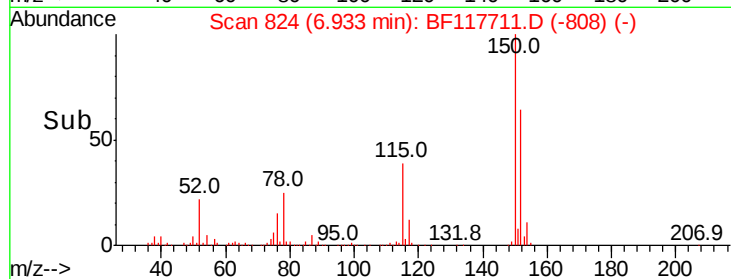
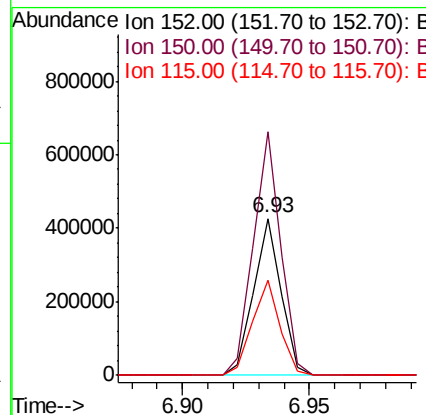
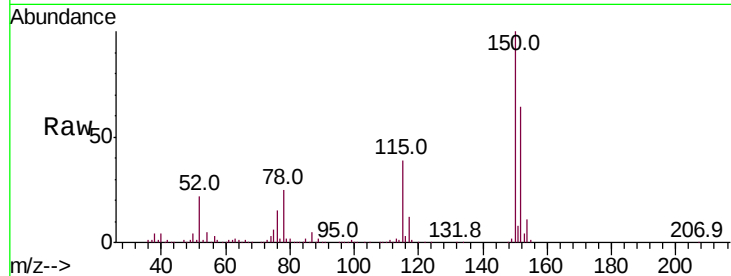
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampled :
8-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	121.4	182.2
115	60.4	46.7	70.1

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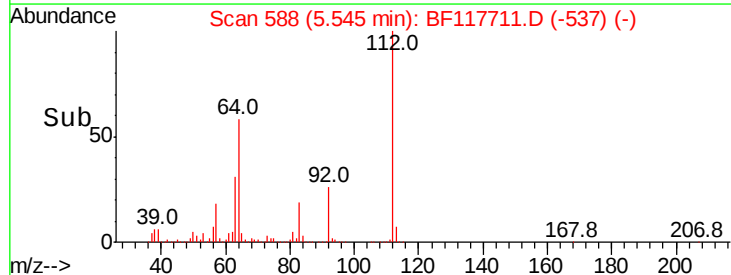
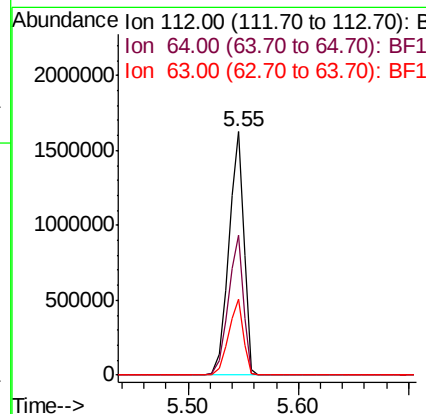
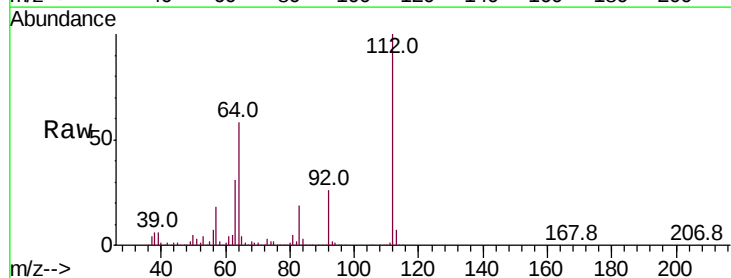
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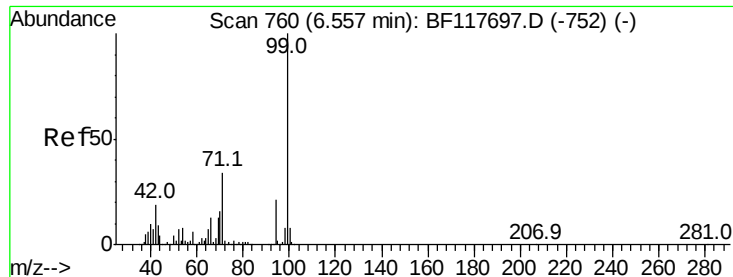


#5

2-Fluorophenol
Concen: 87.604 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.4	69.6
63	31.0	24.6	37.0





#7

Phenol-d6

Concen: 90.790 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

Instrument :

BNA_F

ClientSampled :

8-A

Tot Ion: 99 Resp: 1979808

Ion Ratio Lower Upper

99 100

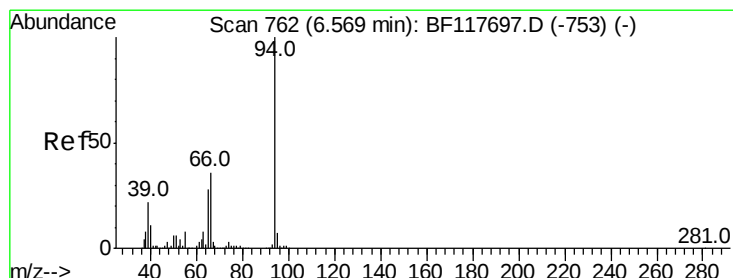
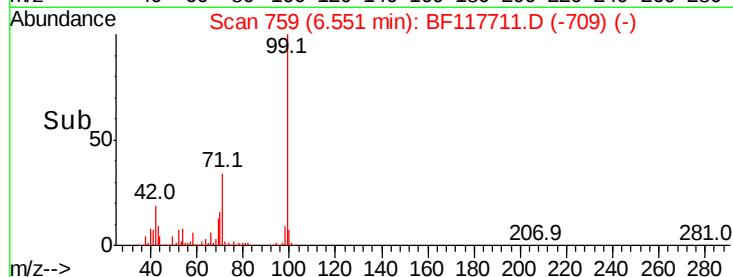
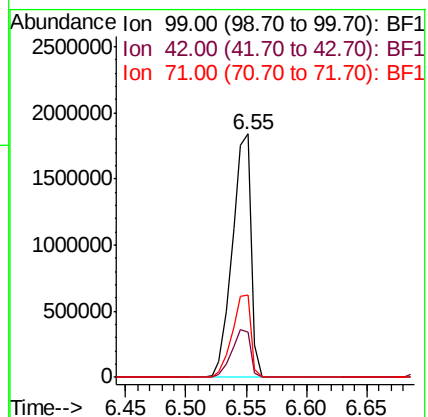
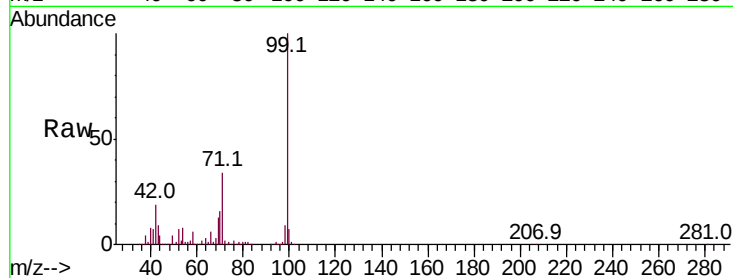
42 18.6 15.3 22.9

71 33.9 26.8 40.2

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#10

Phenol

Concen: 4.195 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

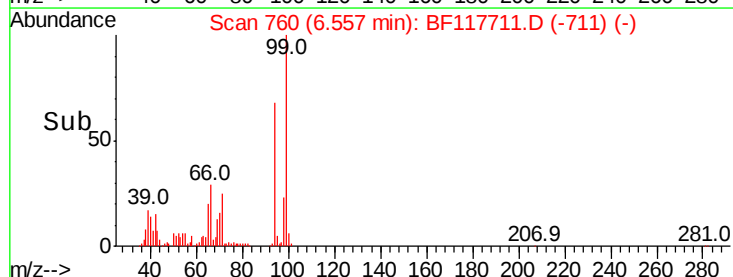
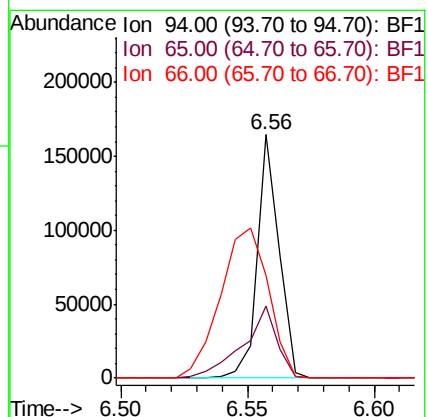
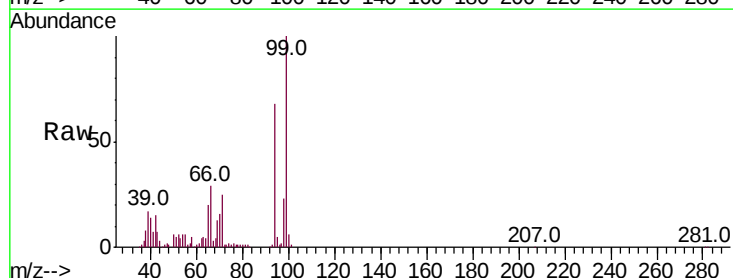
Tgt Ion: 94 Resp: 98563

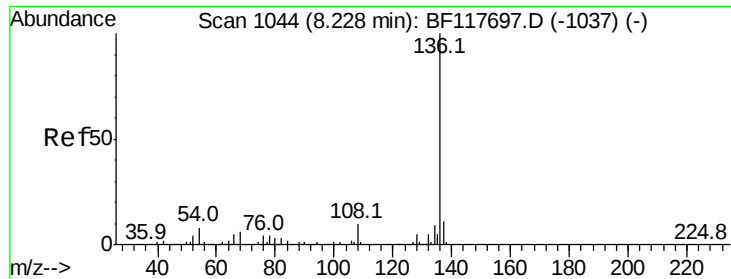
Ion Ratio Lower Upper

94 100

65 29.4 7.6 47.6

66 42.0 16.1 56.1





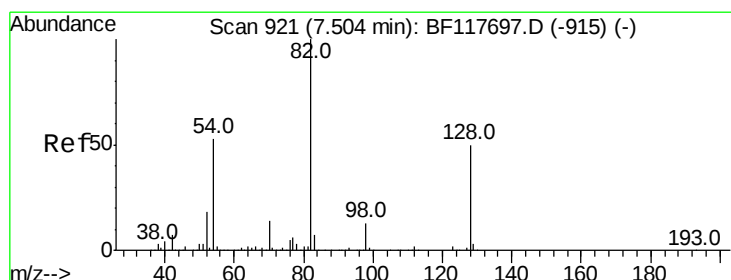
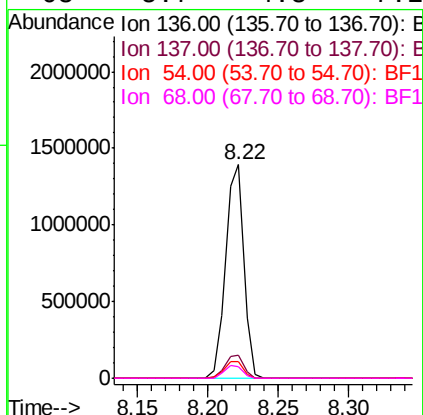
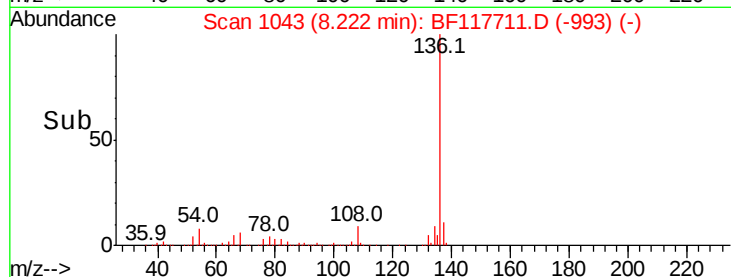
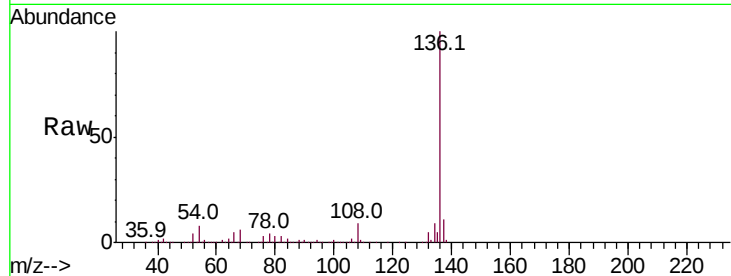
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampleId :
8-A

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.5	6.0	9.0
68	5.7	4.8	7.2

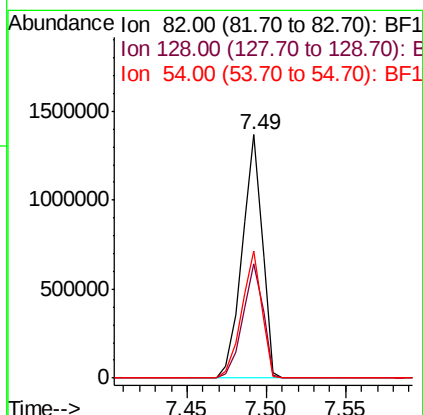
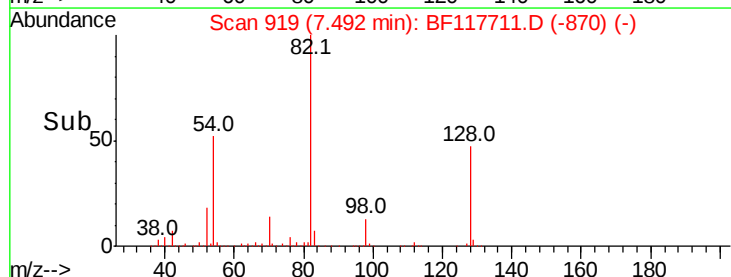
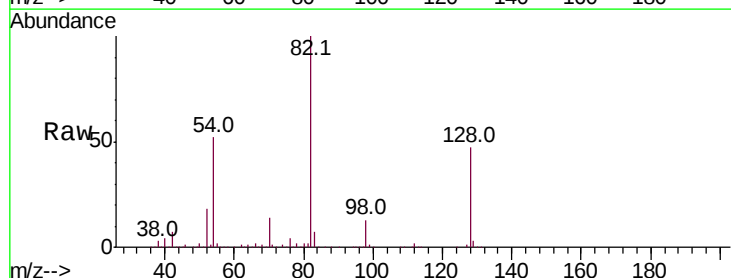
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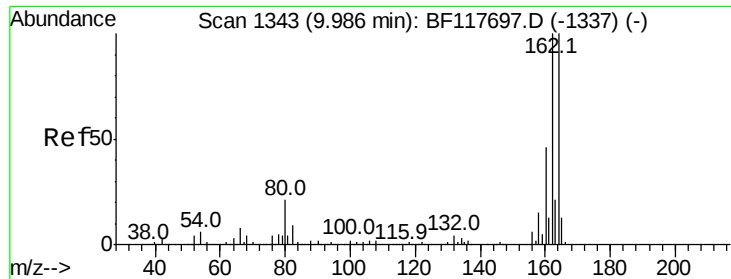
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#23
Nitrobenzene-d5
Concen: 56.692 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.1	40.2	60.2
54	52.1	42.0	63.0





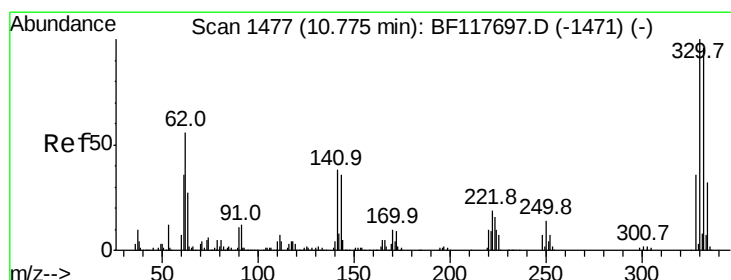
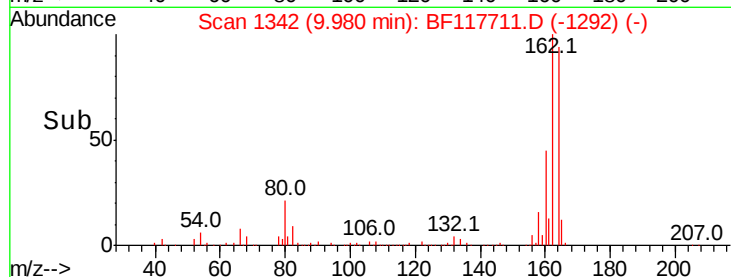
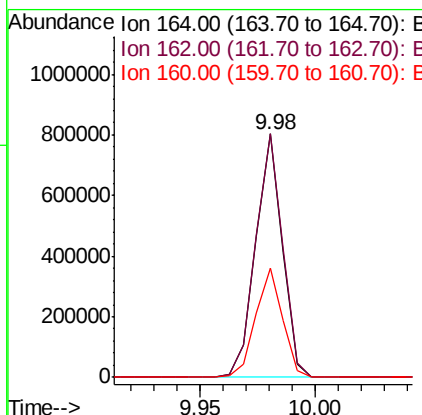
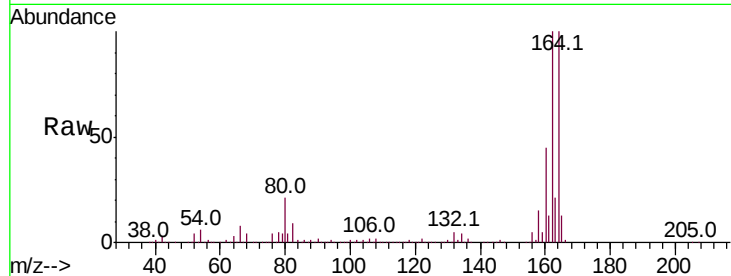
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampled :
8-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.7	119.5
160	44.7	36.5	54.7

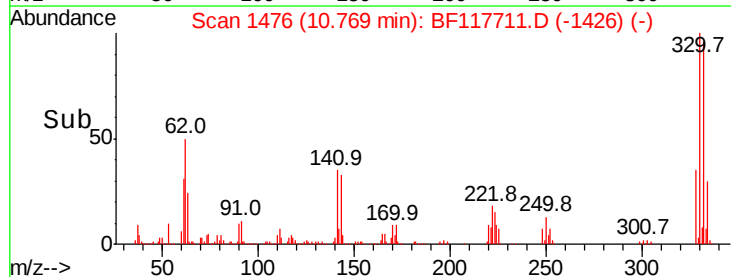
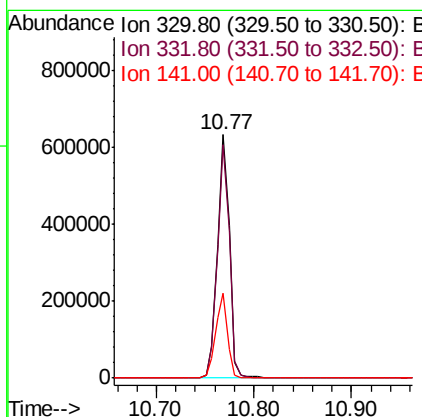
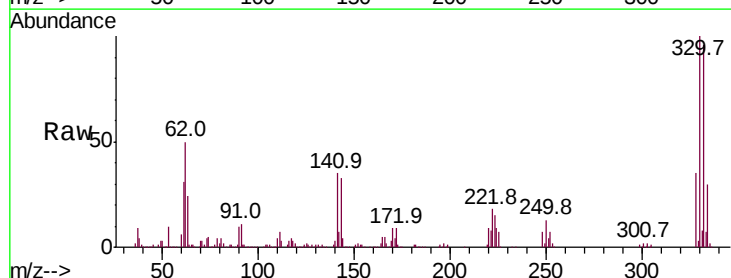
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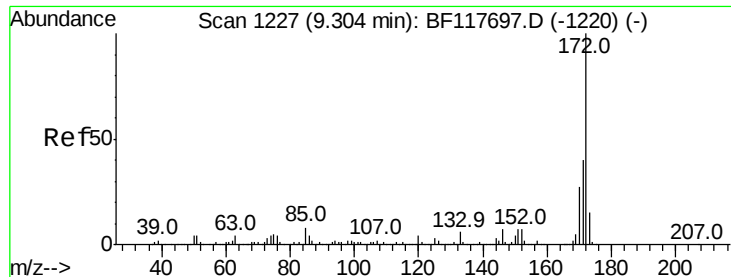
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#42
2,4,6-Tribromophenol
Concen: 85.309 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	34.3	28.0	42.0





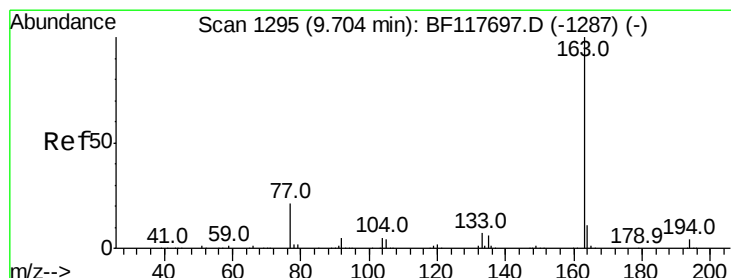
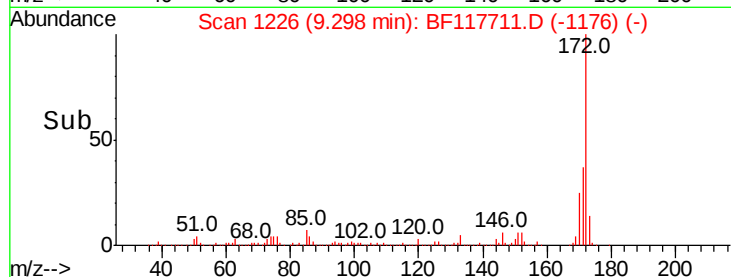
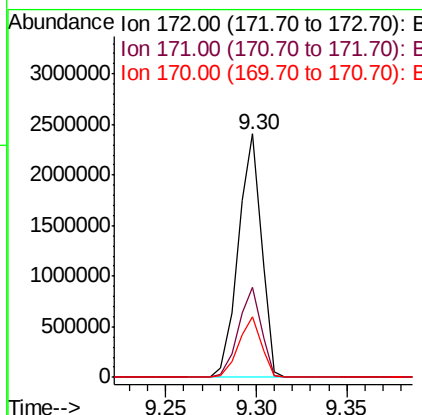
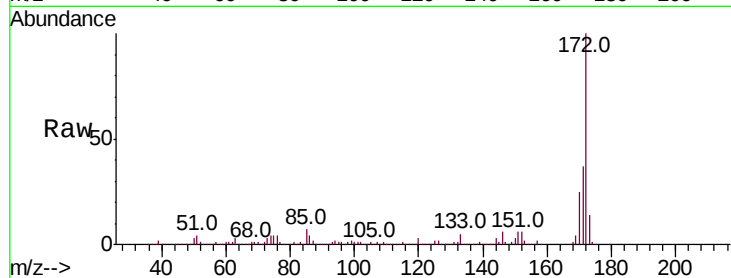
#45
2-Fluorobiphenyl
Concen: 64.441 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampled :
8-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.8	47.8
170	25.1	21.6	32.4

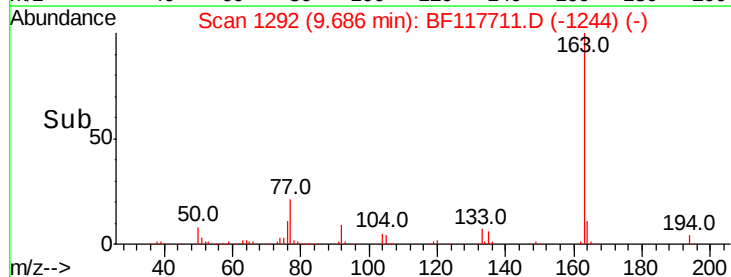
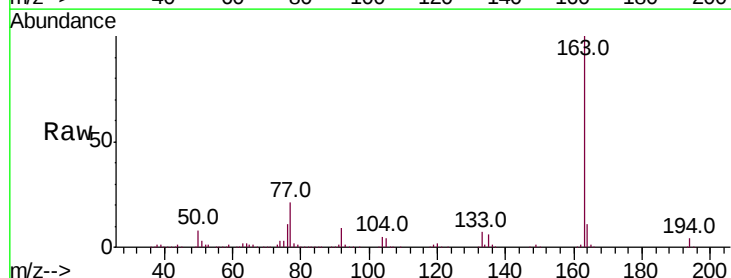
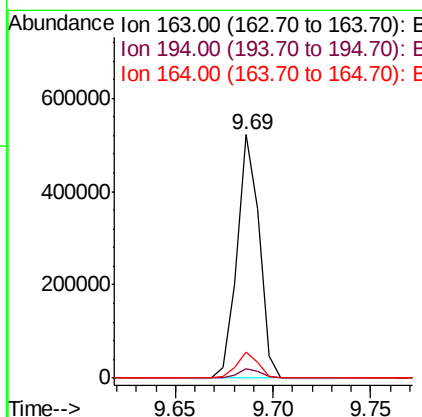
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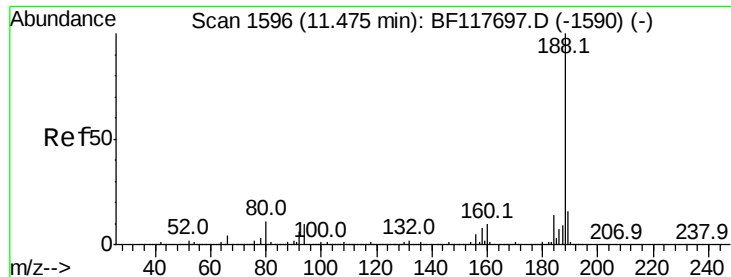
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#50
Dimethylphthalate
Concen: 9.286 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.6	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: BF117711.D

Acq: 7 Nov 2019 18:13

Instrument :

BNA_F

ClientSampleId :

8-A

Tot Ion:188 Resp: 1186304

Ion Ratio Lower Upper

188 100

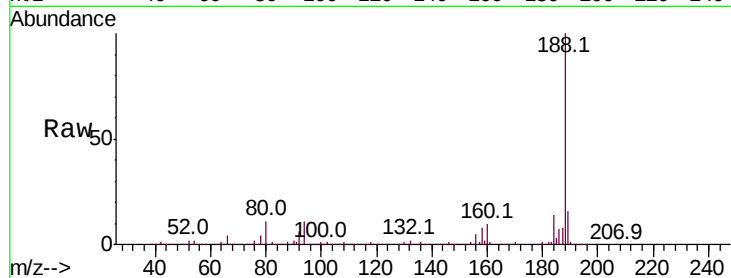
94 10.8 8.2 12.4

80 11.1 8.6 13.0

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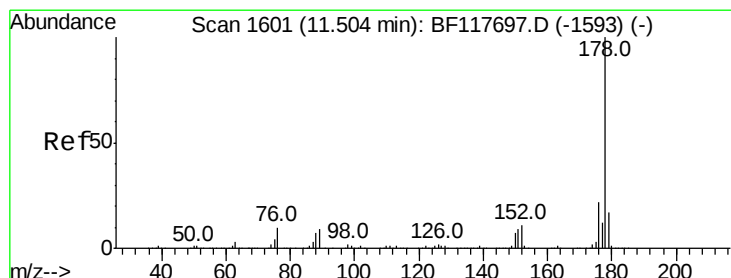
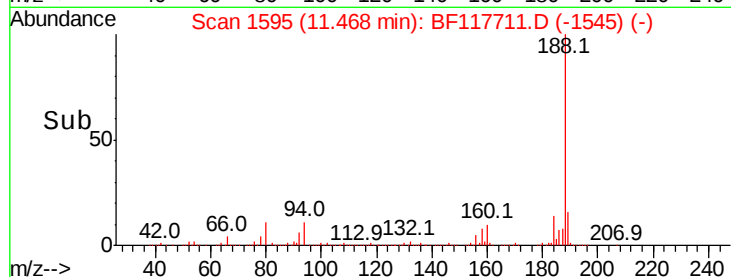
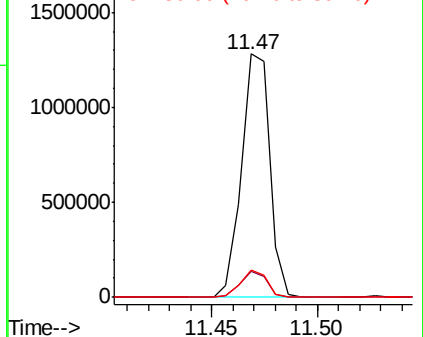
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.778 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

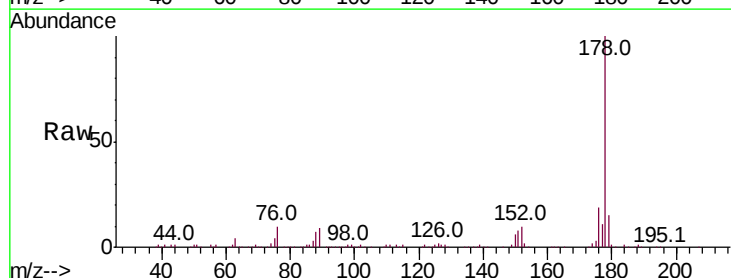
Tgt Ion:178 Resp: 157971

Ion Ratio Lower Upper

178 100

176 19.3 17.7 26.5

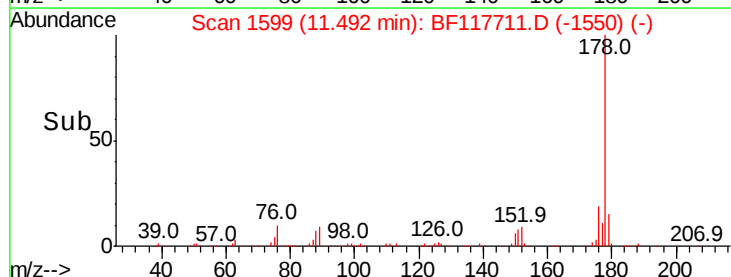
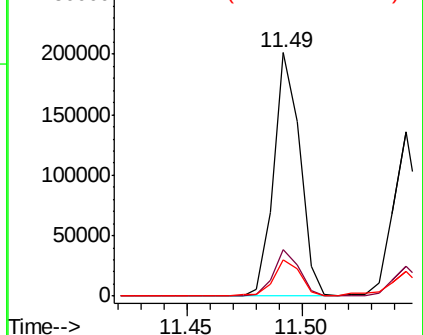
179 15.1 13.8 20.8

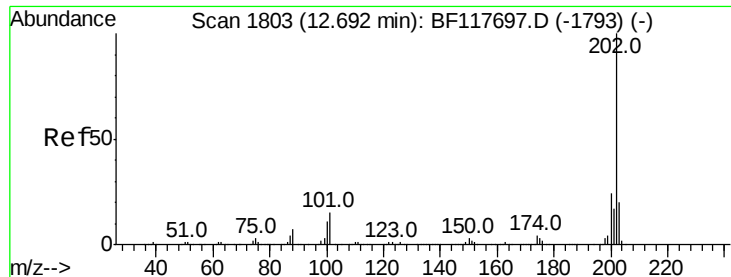


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.638 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

Instrument :

BNA_F

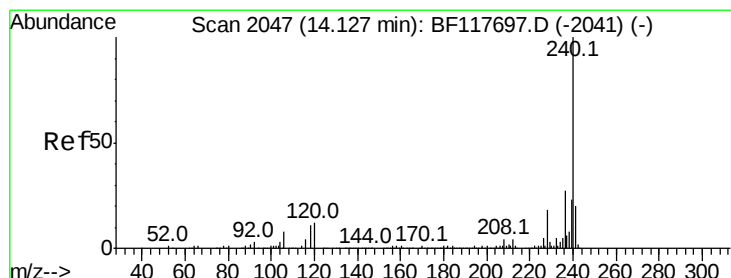
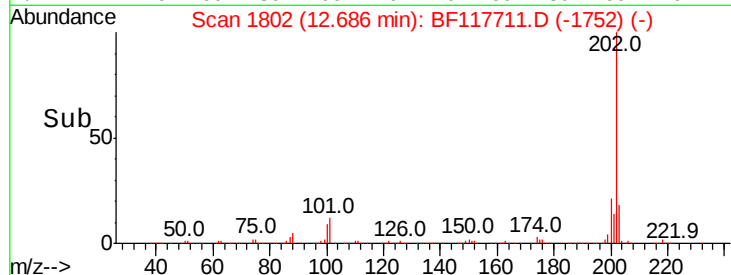
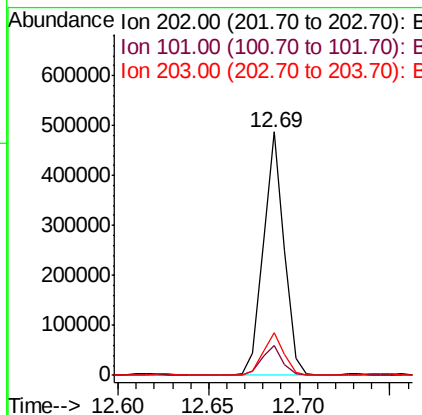
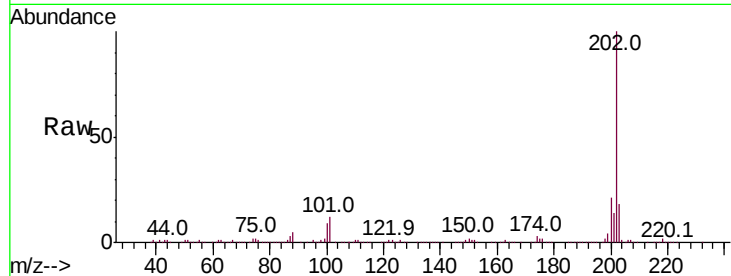
ClientSampled :

8-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	385382		
101	12.1	0.0	34.5	
203	17.7	0.0	39.8	

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#76

Chrysene-d12

Concen: 20.000 ng

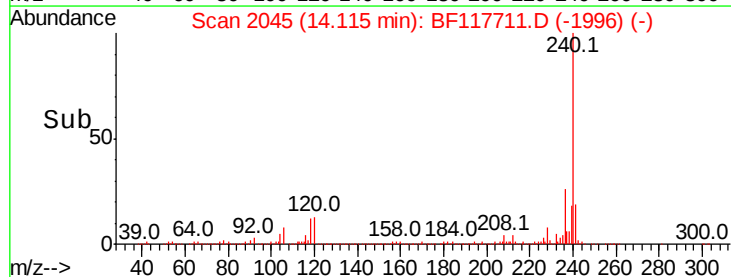
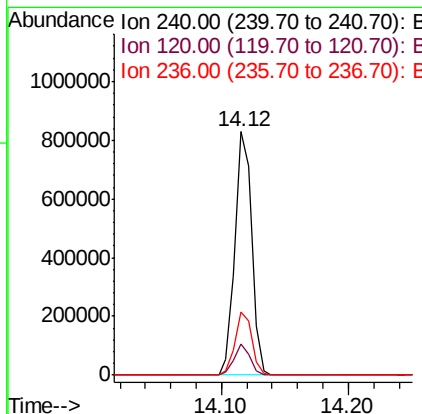
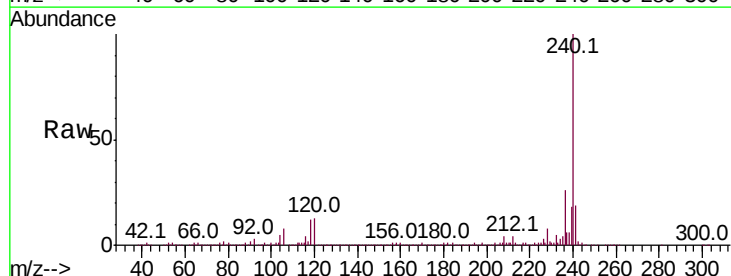
RT: 14.12 min Scan# 2045

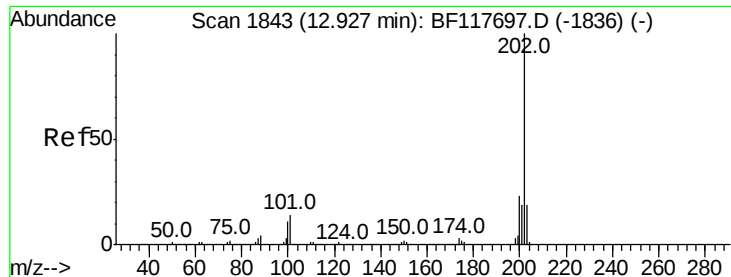
Delta R.T. -0.01 min

Lab File: BF117711.D

Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	752922		
120	12.7	9.7	14.5	
236	25.9	21.9	32.9	





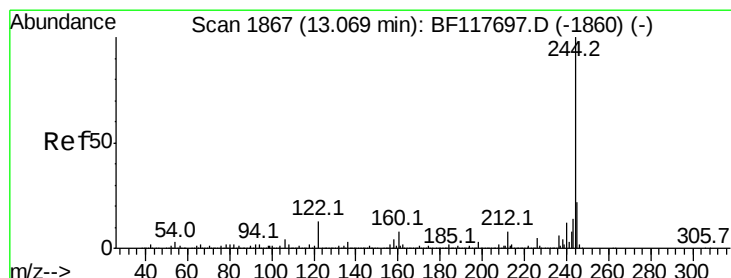
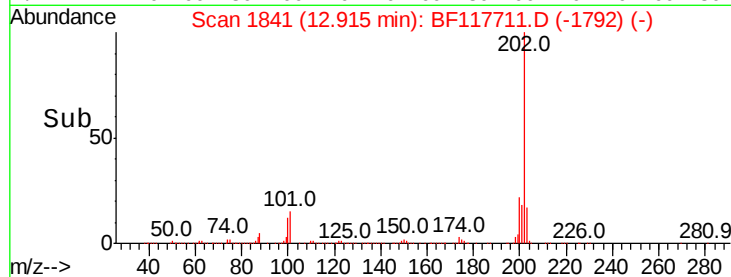
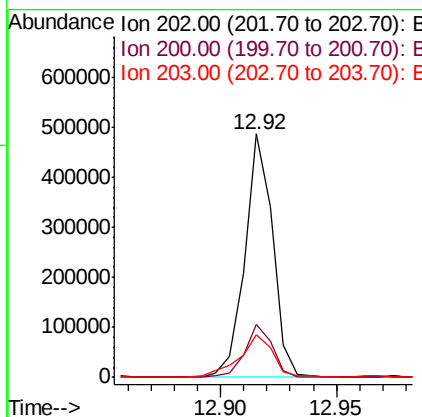
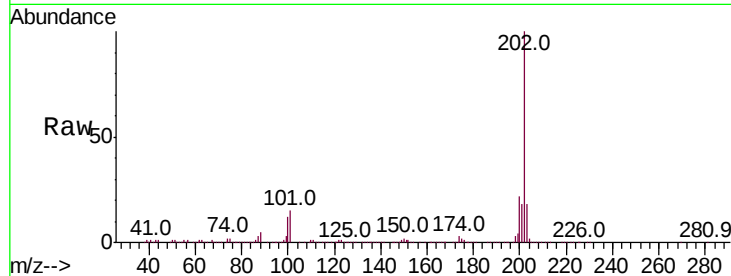
#78
Pvrene
Concen: 7.454 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampleId :
8-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.8	28.2
203	17.6	15.2	22.8

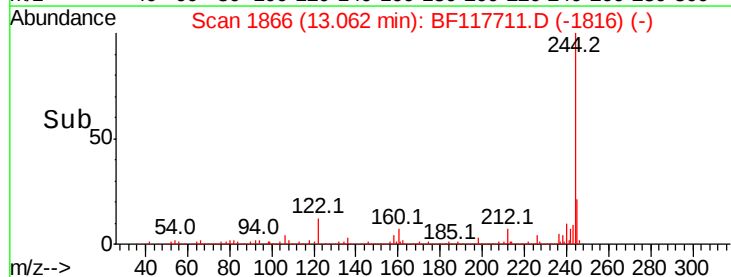
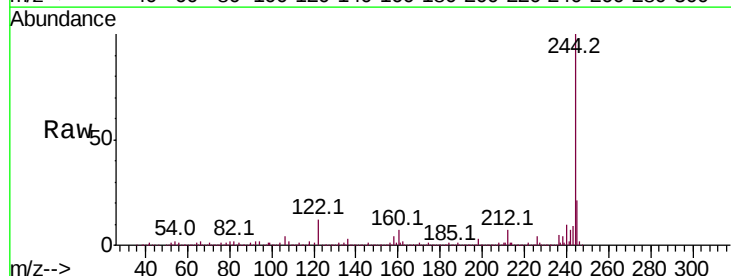
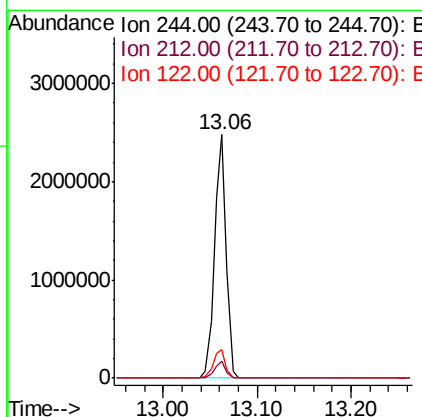
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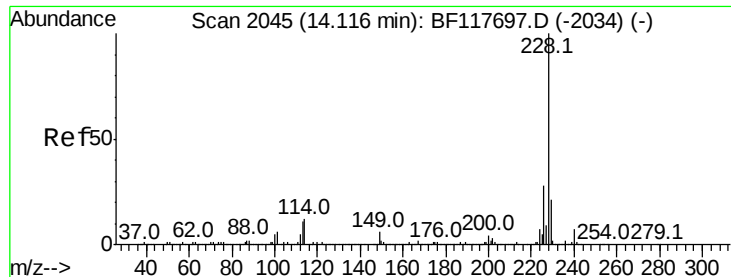
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#79
Terphenyl-d14
Concen: 59.424 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.4	9.6
122	12.0	10.0	15.0





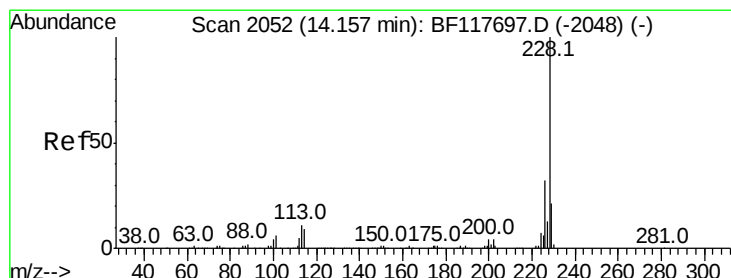
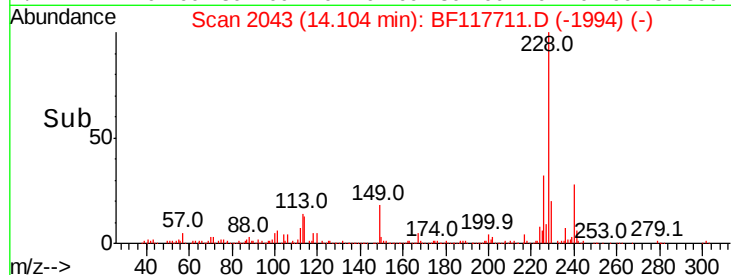
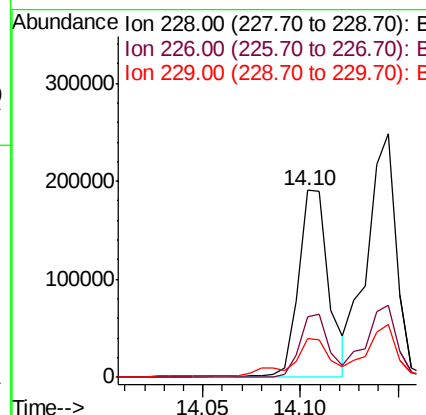
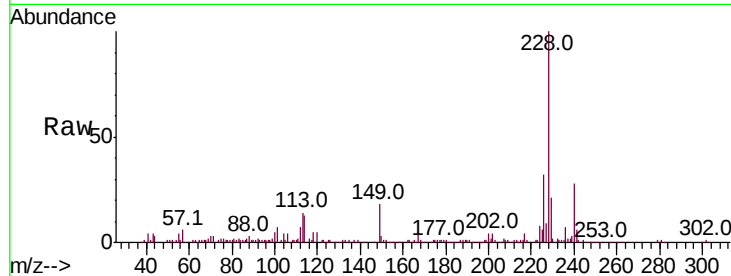
#81
Benzo(a)anthracene
Concen: 4.373 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampled :
8-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.8	34.2
229	20.9	16.9	25.3

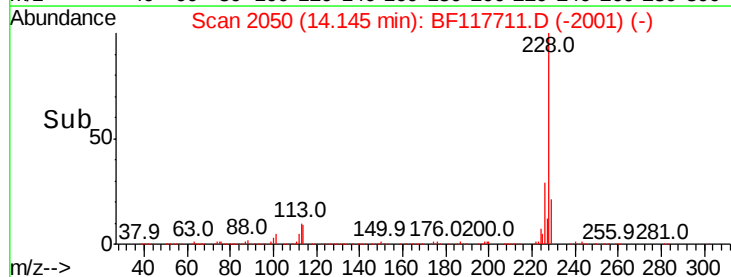
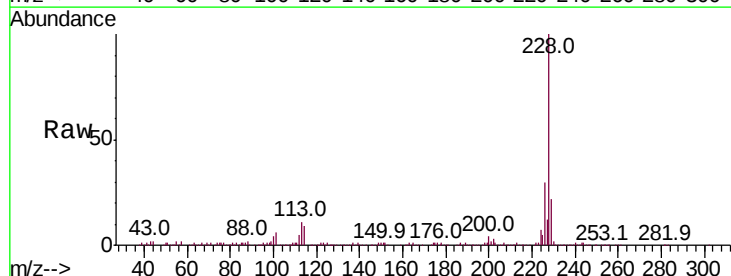
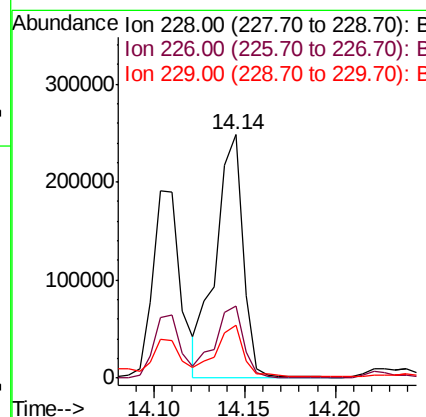
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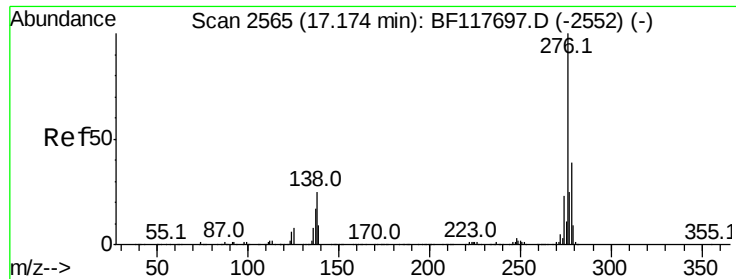
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#83
Chrysene
Concen: 5.601 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.2
229	21.8	16.6	24.8





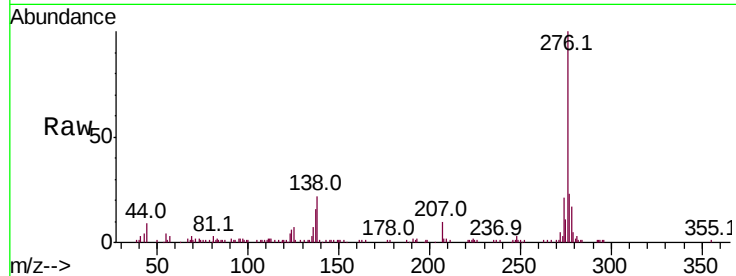
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.871 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.02 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

Instrument :
 BNA_F
 ClientSampleId :
 8-A

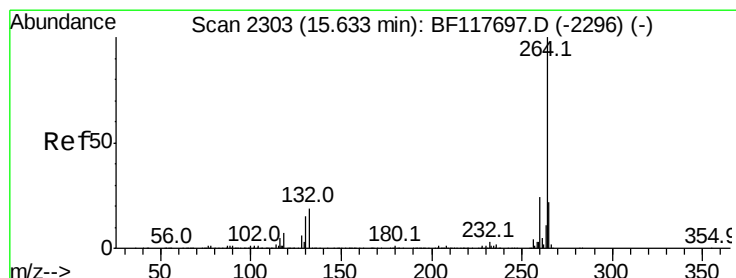
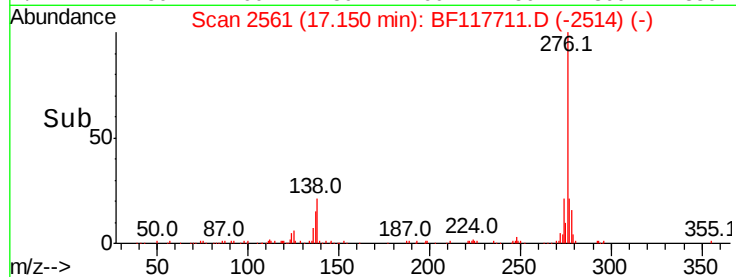
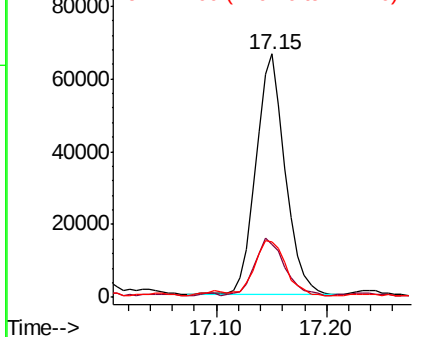
Tot Ion:	276	Resp:	123655
Ion Ratio	Lower	Upper	
276	100		
138	24.2	22.4	33.6
277	24.9	20.6	30.8

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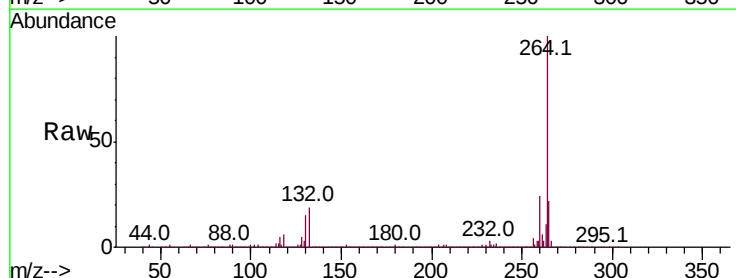


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

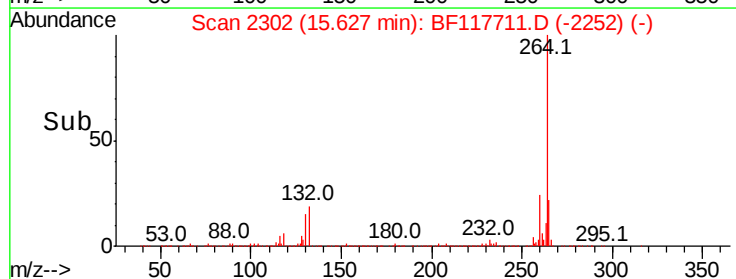
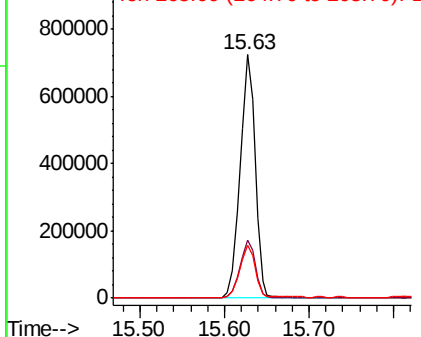


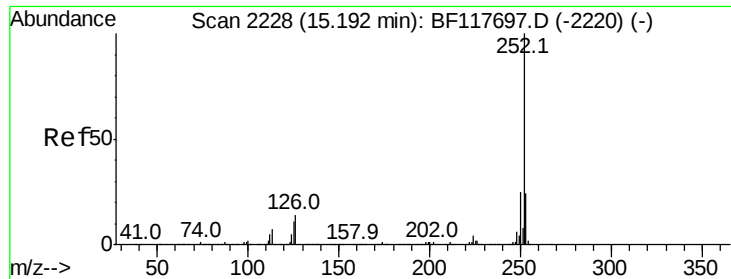
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

Tgt Ion:	264	Resp:	884003
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.8	28.2
265	22.0	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





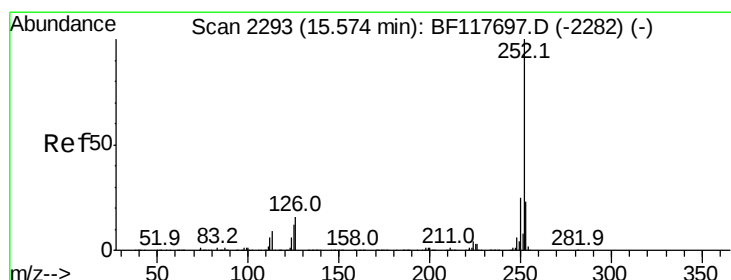
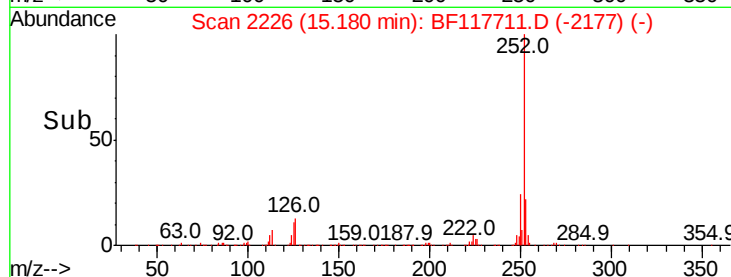
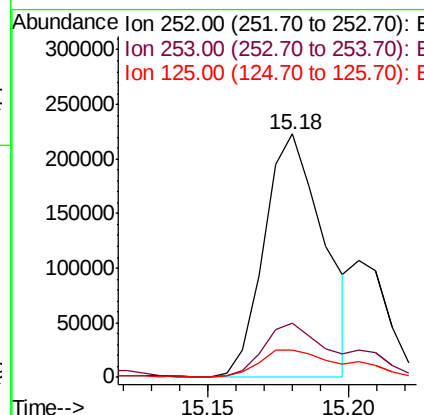
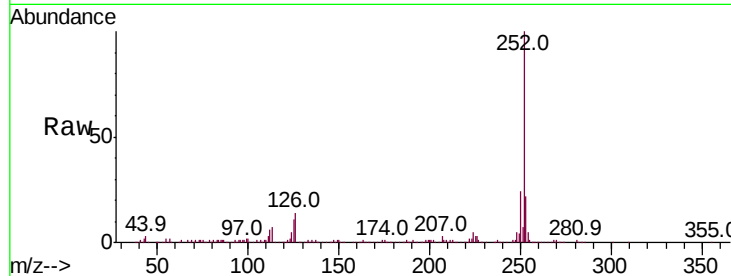
#88
Benzo(b)fluoranthene
Concen: 5.884 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Instrument :
BNA_F
ClientSampled :
8-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.9	28.3
125	11.4	8.5	12.7

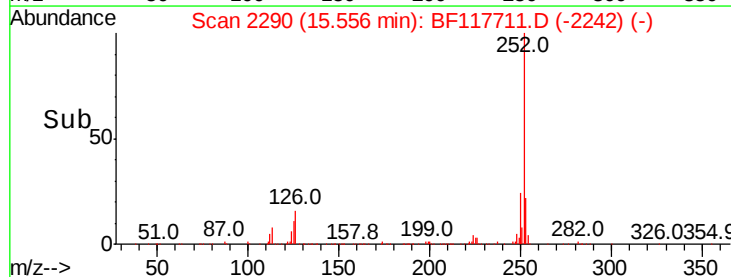
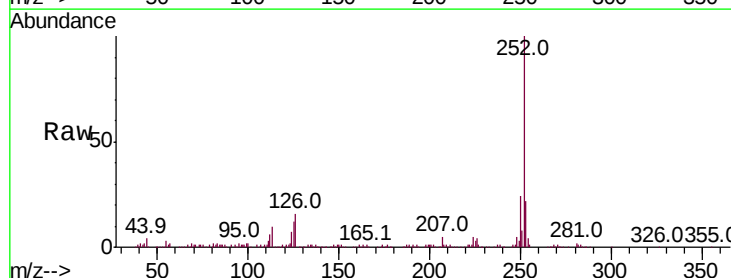
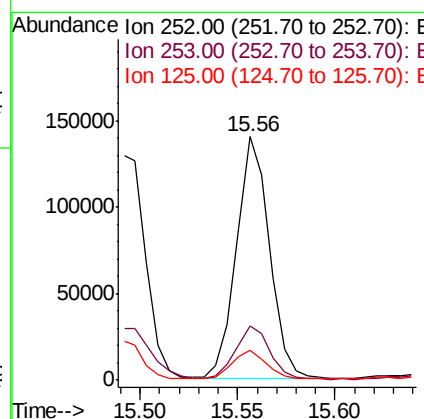
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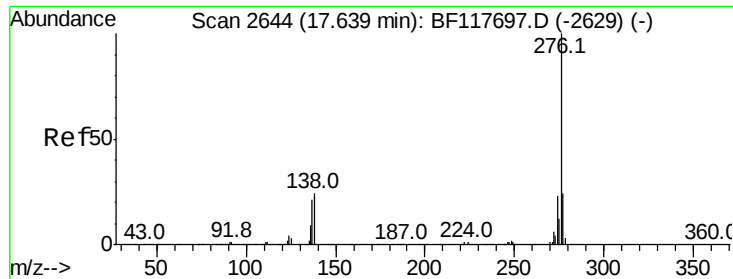
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#90
Benzo(a)pyrene
Concen: 3.413 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF117711.D
Acq: 7 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.1	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 2.708 ng
 RT: 17.62 min Scan# 2640
 Delta R.T. -0.02 min
 Lab File: BF117711.D
 Acq: 7 Nov 2019 18:13

Instrument :
 BNA_F
 ClientSampleId :
 8-A

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.1	19.4	29.0
138	21.6	19.2	28.8

Manual Integrations
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