

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112219\
 Data File : BF117945.D
 Acq On : 23 Nov 2019 3:40
 Operator : JU
 Sample : K5676-21DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-112019DL

Manual Integrations
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 11/25/2019 8:19:49 AM

Quant Time: Nov 23 05:58:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	172904	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	705984	20.00	ng	-0.02
39) Acenaphthene-d10	9.95	164	390604	20.00	ng	-0.02
64) Phenanthrene-d10	11.44	188	528043	20.00	ng	-0.02
76) Chrysene-d12	14.10	240	385449	20.00	ng	-0.02
87) Perylene-d12	15.60	264	457128	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	595297	60.94	ng	-0.02
7) Phenol-d6	6.52	99	693693	58.88	ng	-0.02
23) Nitrobenzene-d5	7.46	82	414584	34.91	ng	-0.03
42) 2,4,6-Tribromophenol	10.75	330	187337	45.30	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	988041	45.38	ng	-0.02
79) Terphenyl-d14	13.03	244	754202	35.76	ng	-0.02

Target Compounds					Qvalue
31) Naphthalene	8.21	128	169445	5.148 ng	97
37) 2-Methylnaphthalene	8.90	142	104412	4.695 ng	99
38) 1-Methylnaphthalene	9.00	142	90031	4.282 ng	99
49) Acenaphthylene	9.82	152	78989	2.273 ng	98
50) Dimethylphthalate	9.66	163	163567	5.972 ng	99
52) Acenaphthene	9.99	154	109244	4.906 ng	97
55) Dibenzofuran	10.16	168	129353	4.195 ng	97
58) Fluorene	10.50	166	212380	8.889 ng	99
71) Phenanthrene	11.47	178	1165929	43.917 ng	98
72) Anthracene	11.52	178	348201	13.229 ng	97
73) Carbazole	11.67	167	80082	3.482 ng	98
75) Fluoranthene	12.67	202	1445541	62.764 ng	100
78) Pvrene	12.90	202	1212498	38.924 ng	100
81) Benzo(a)anthracene	14.09	228	733300	28.790 ng	97
83) Chrysene	14.12	228	580825	23.533 ng	97
86) Indeno(1,2,3-cd)pyrene	17.12	276	306769m	14.604 ng	
88) Benzo(b)fluoranthene	15.16	252	845846m	28.480 ng	
89) Benzo(k)fluoranthene	15.18	252	298567m	10.669 ng	
90) Benzo(a)pvrene	15.54	252	622791	23.847 ng	99
91) Dibenzo(a,h)anthracene	17.13	278	74819	3.328 ng	96
92) Benzo(g,h,i)perylene	17.59	276	271954	12.147 ng	99

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

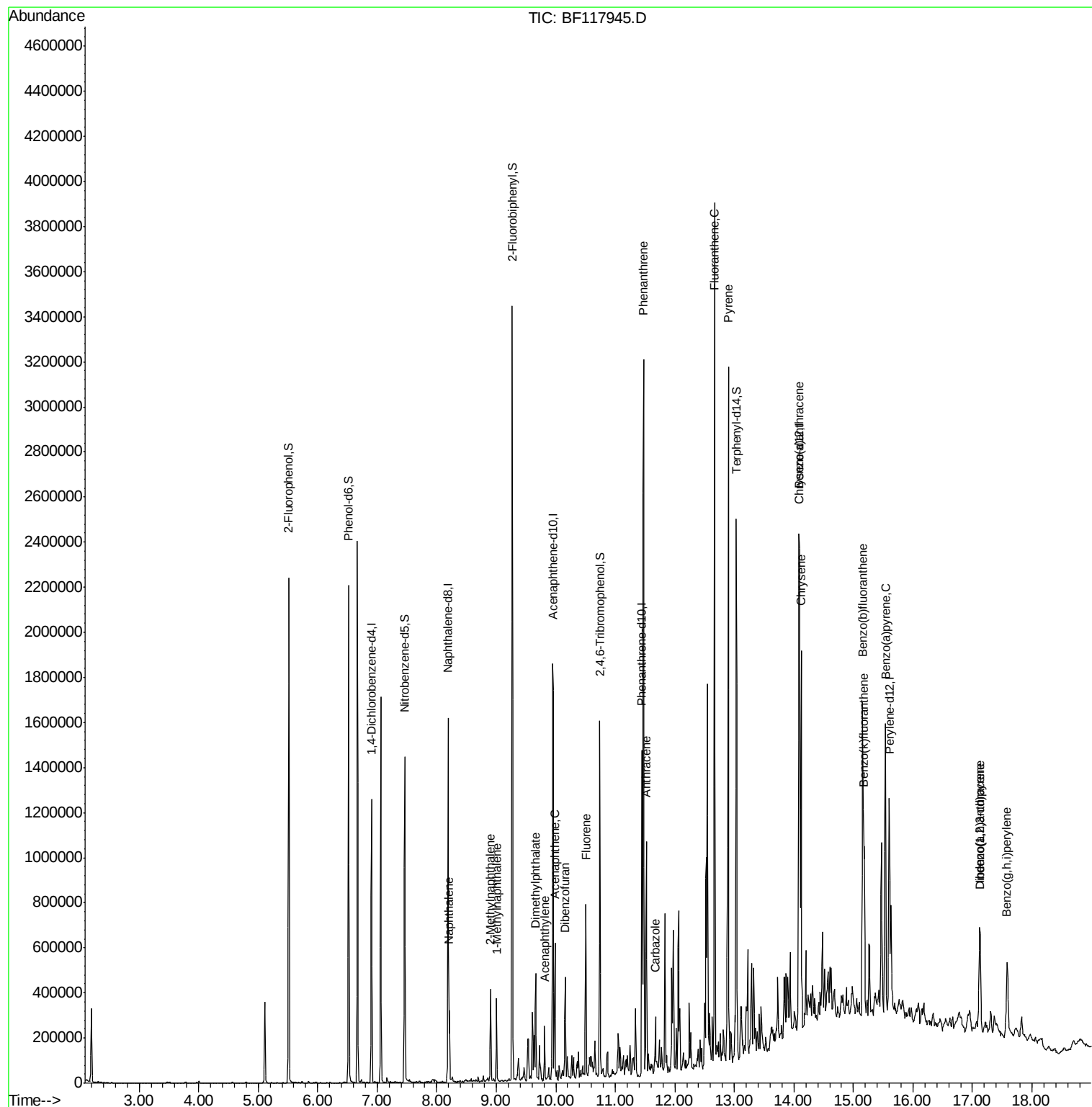
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112219\
Data File : BF117945.D
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ALS Vial : 22 Sample Multiplier: 1

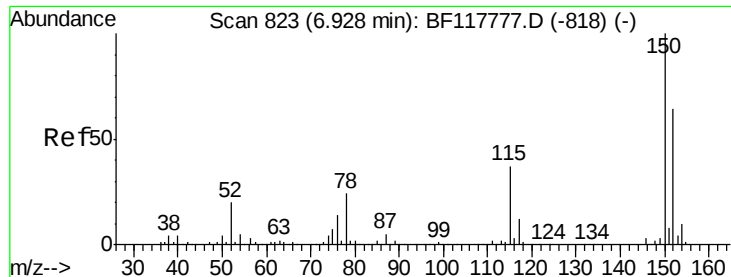
Instrument :
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ClientSampleId :
SU-02-112019DL

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Quant Time: Nov 23 05:58:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration





#1

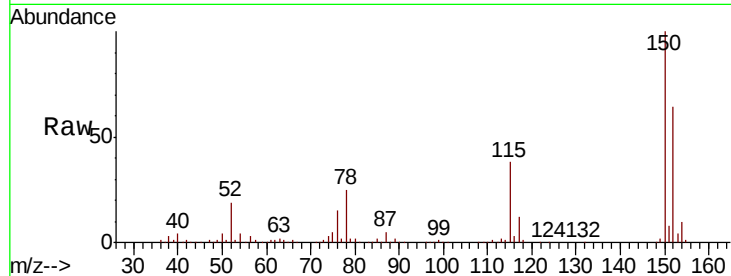
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.3	187.9
115	60.2	47.0	70.4

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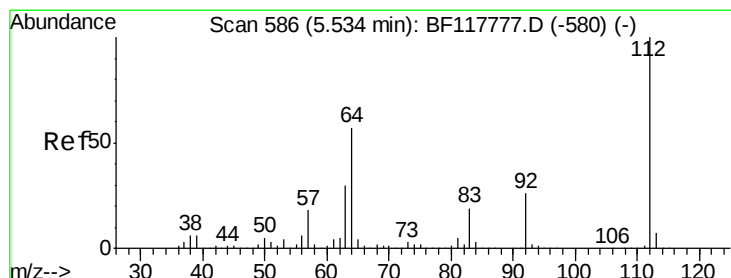
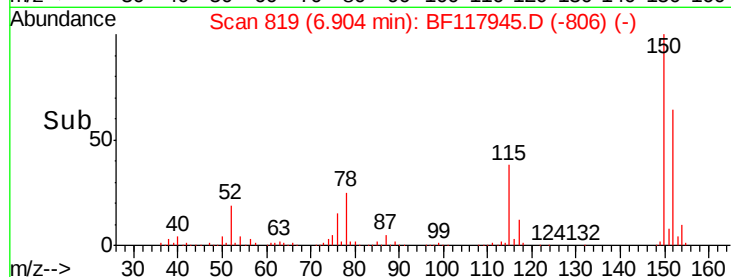
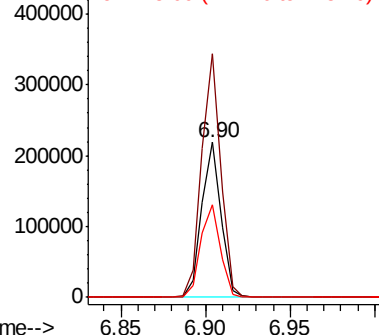


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

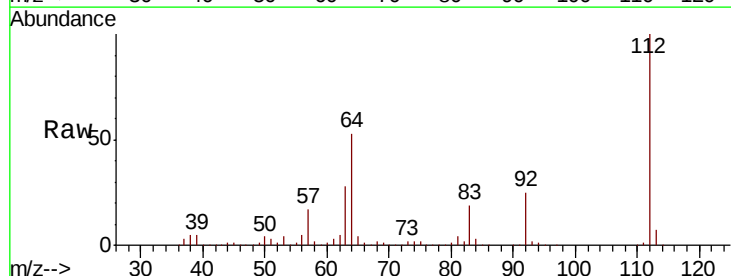
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 60.944 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	45.6	68.4
63	28.4	24.1	36.1

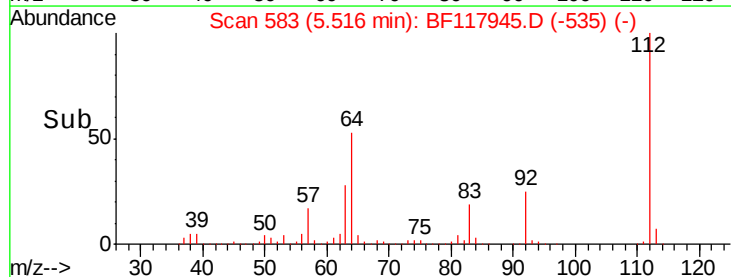
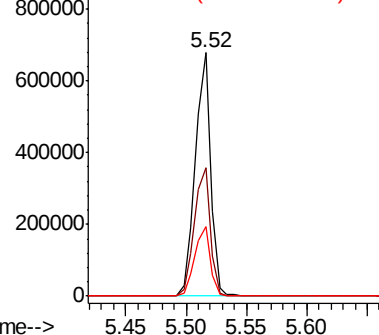


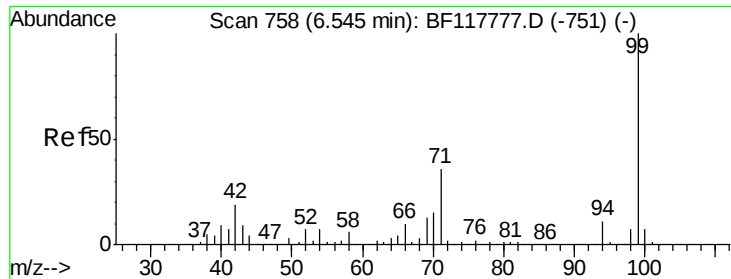
Abundance

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: 58.878 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF117945.D

Acq: 23 Nov 2019 3:40

Instrument :

BNA_F

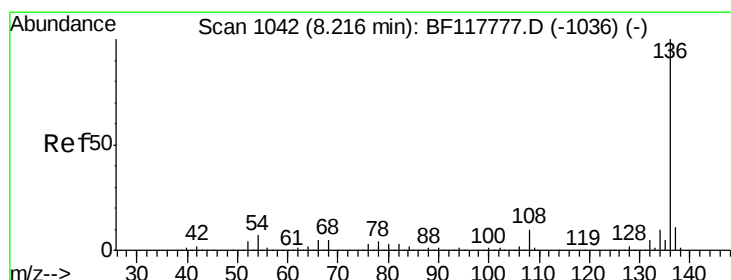
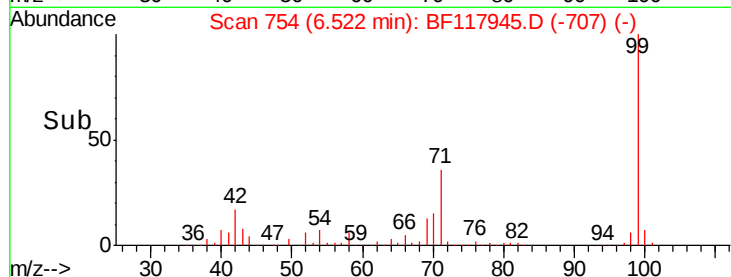
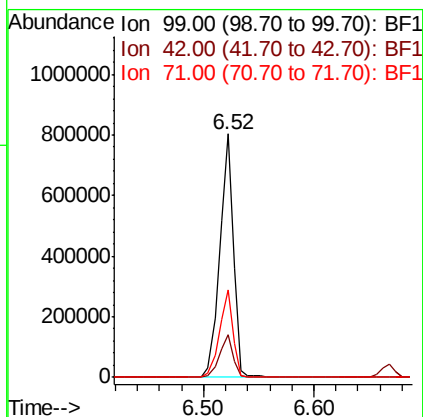
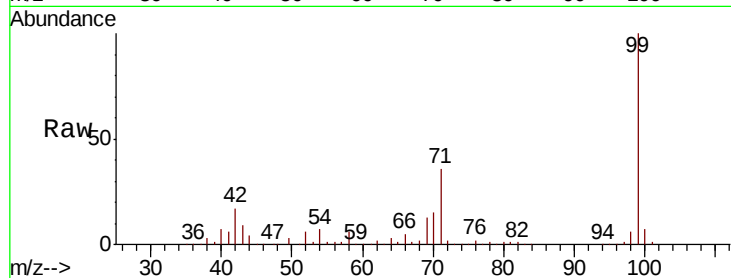
ClientSampleId :

SU-02-112019DL

Tot Ion:	99	Resp:	693693
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.9	22.3
71	35.8	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

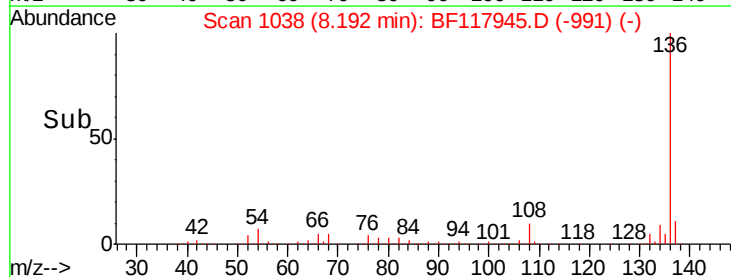
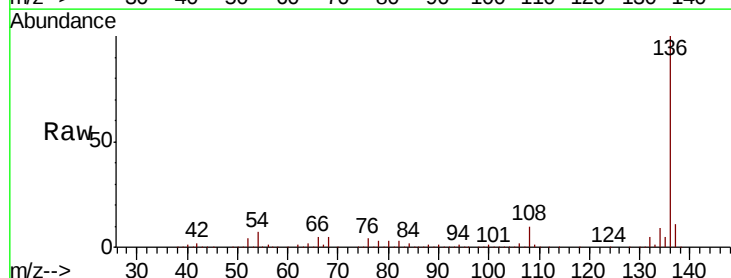
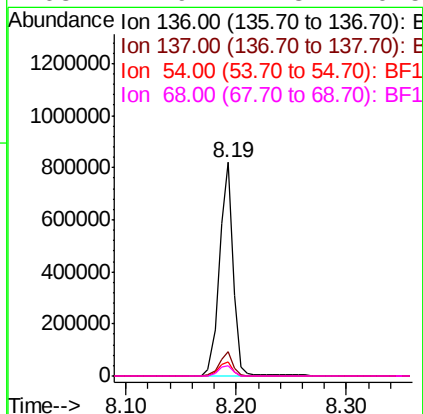
RT: 8.19 min Scan# 1038

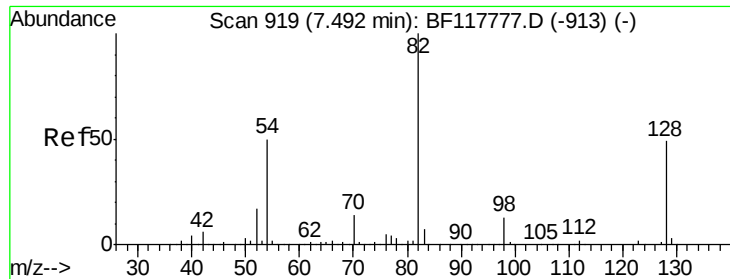
Delta R.T. -0.02 min

Lab File: BF117945.D

Acq: 23 Nov 2019 3:40

Tgt Ion:	136	Resp:	705984
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	6.6	5.4	8.2
68	4.9	4.3	6.5





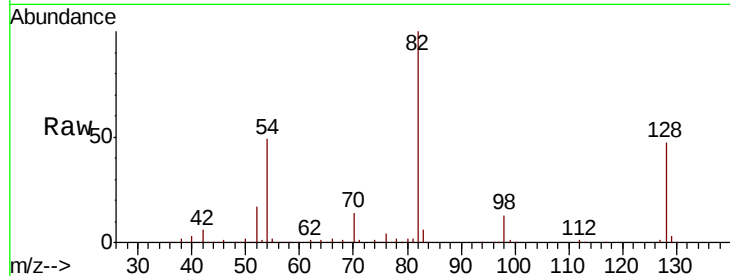
#23
Nitrobenzene-d5
Concen: 34.909 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

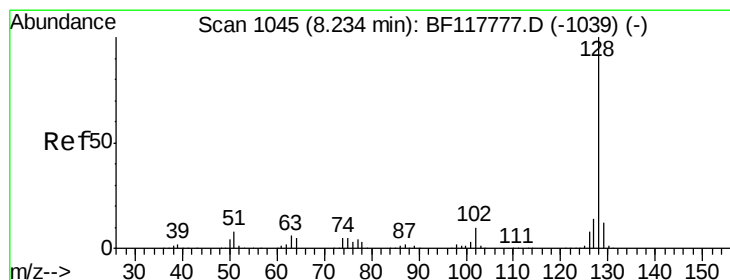
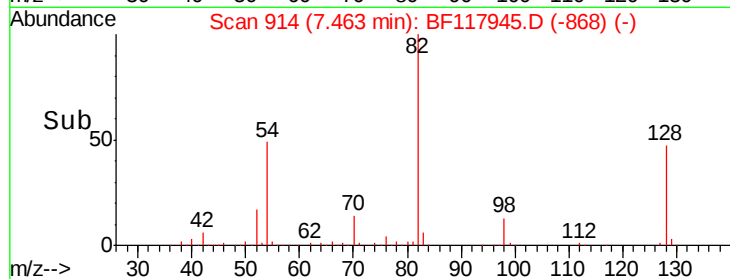
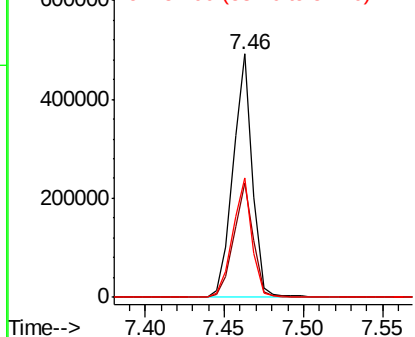
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	38.9	58.3
54	49.1	39.8	59.6

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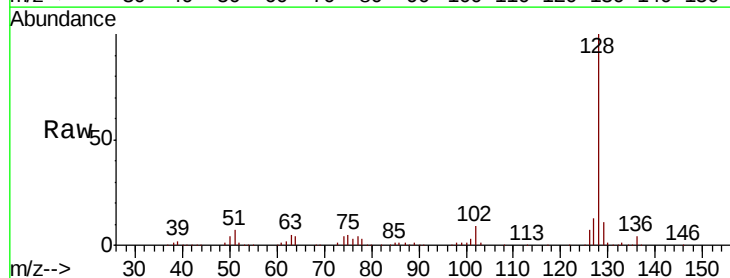


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

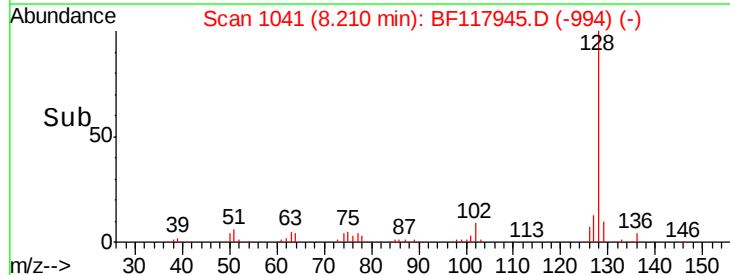
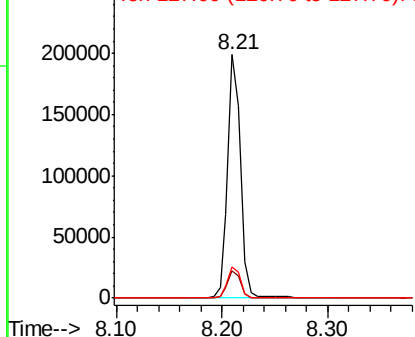


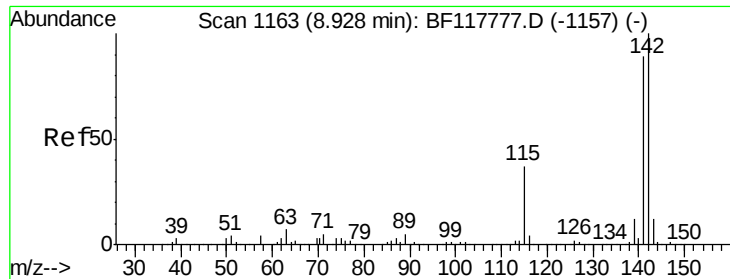
#31
Naphthalene
Concen: 5.148 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.5	14.3
127	12.9	11.3	16.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





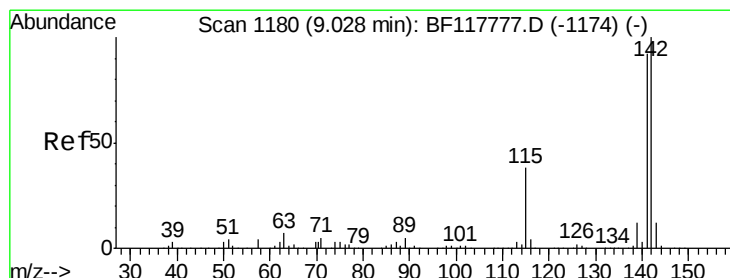
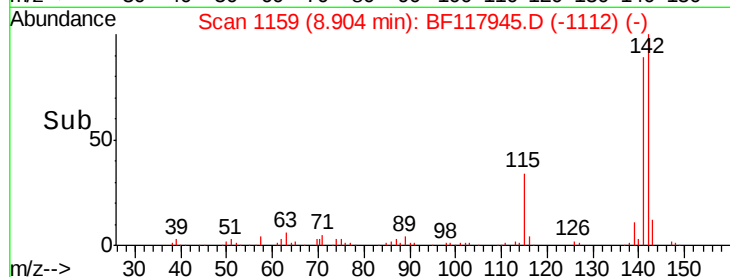
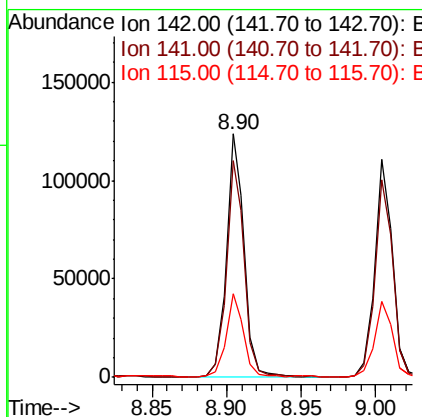
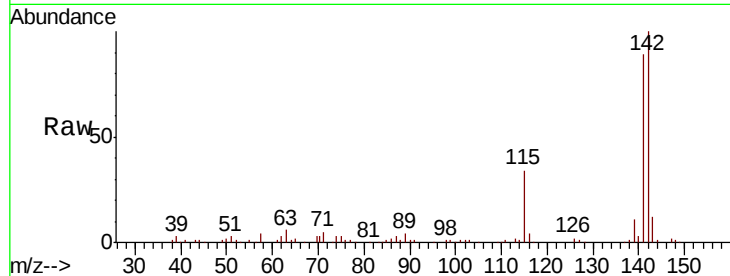
#37
2-Methylnaphthalene
Concen: 4.695 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.1	106.7
115	34.4	29.2	43.8

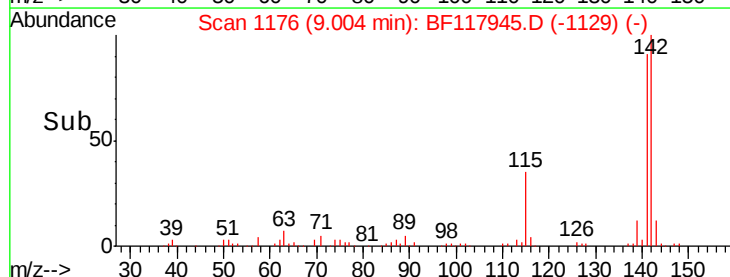
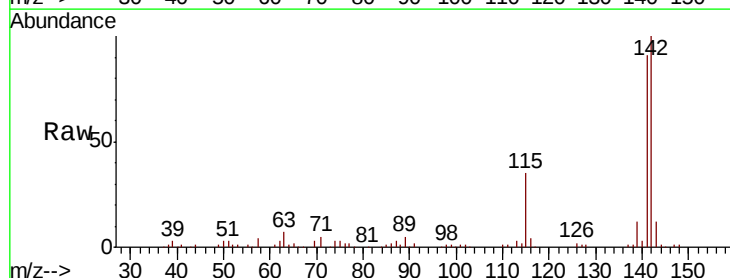
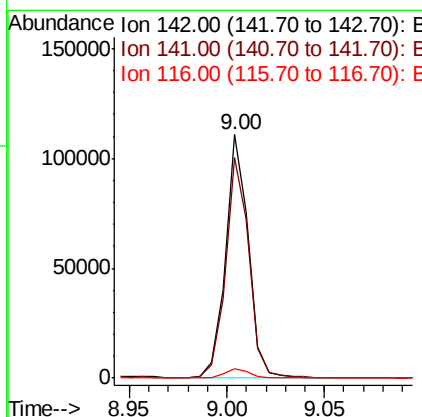
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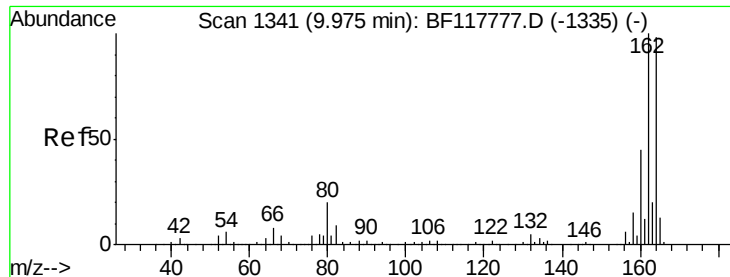
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#38
1-Methylnaphthalene
Concen: 4.282 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.5	110.3
116	3.6	3.2	4.8





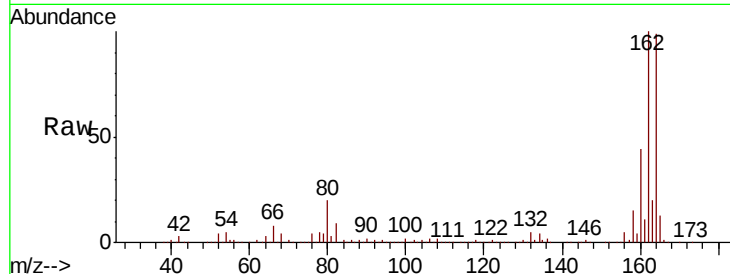
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

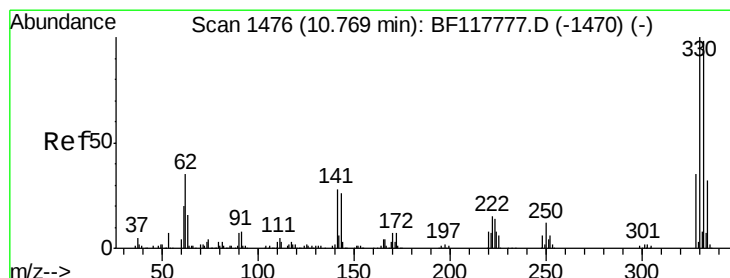
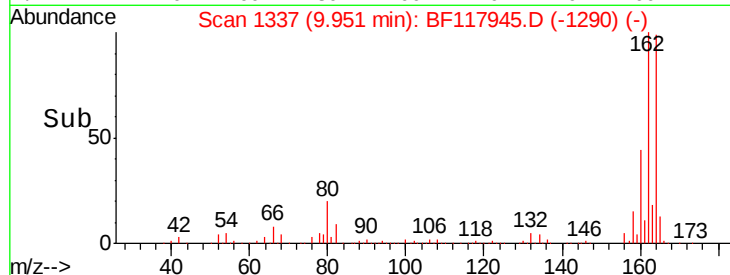
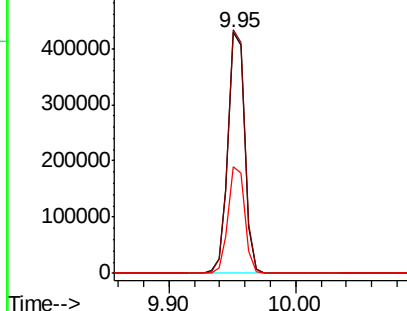
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	81.3	121.9	
160	44.3	36.6	55.0	

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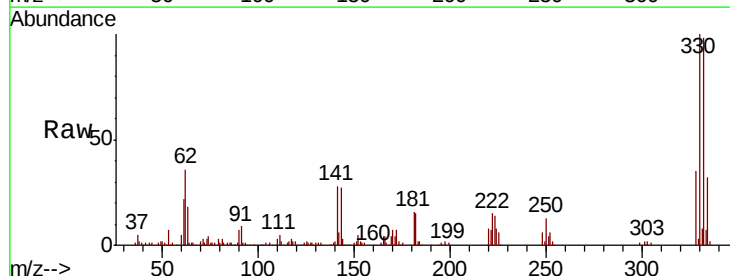


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

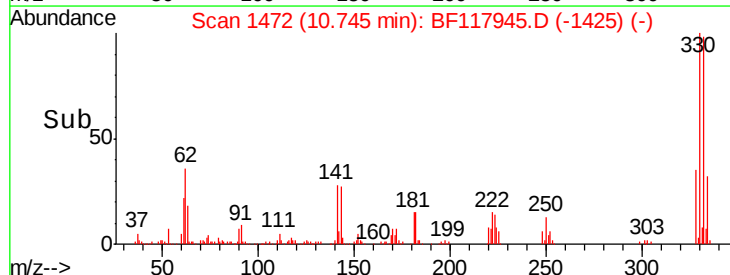
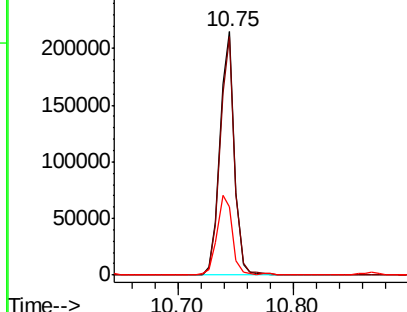


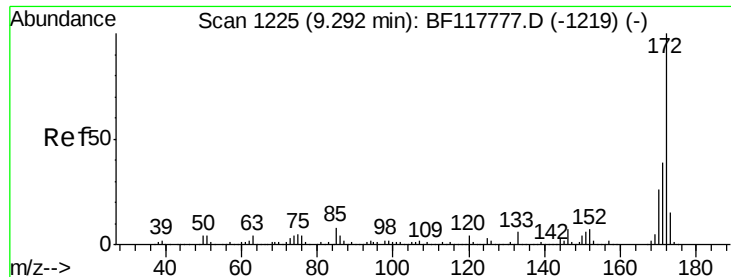
#42
2,4,6-Tribromophenol
Concen: 45.302 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.7	115.1	
141	34.1	27.7	41.5	



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





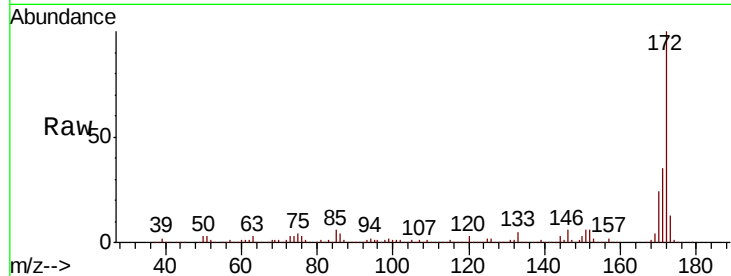
#45
2-Fluorobiphenyl
Concen: 45.380 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.9	46.3
170	23.6	21.0	31.4

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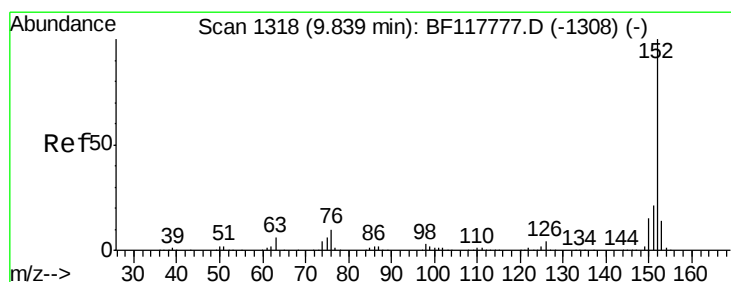
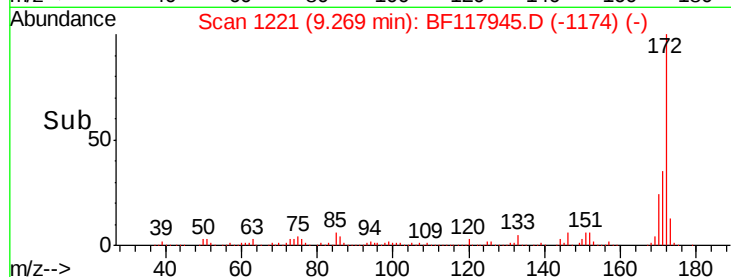
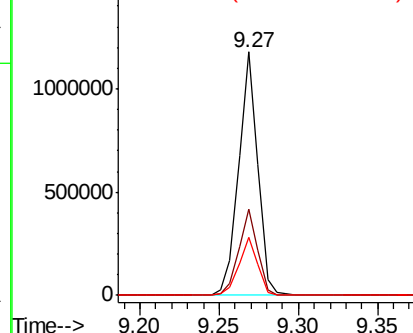


Abundance

Ion 172.00 (171.70 to 172.70): E

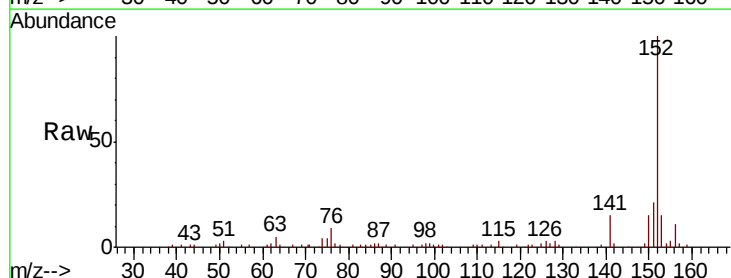
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 2.273 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.0	25.6
153	15.0	11.0	16.6

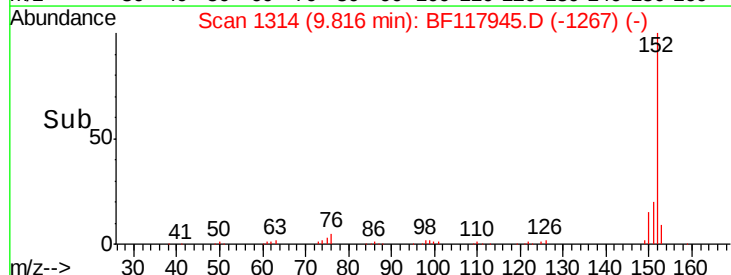
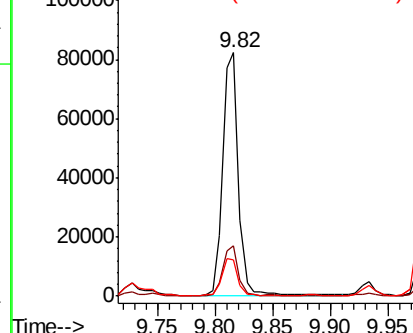


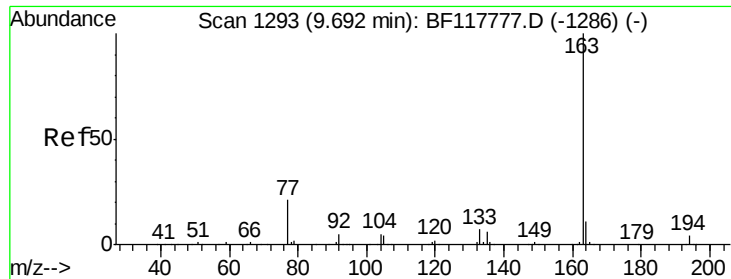
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





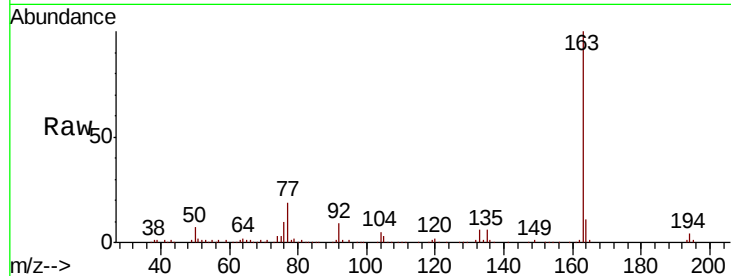
#50
Dimethylphthalate
Concen: 5.972 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	163567		
194	4.4		3.3	4.9
164	10.7		8.7	13.1

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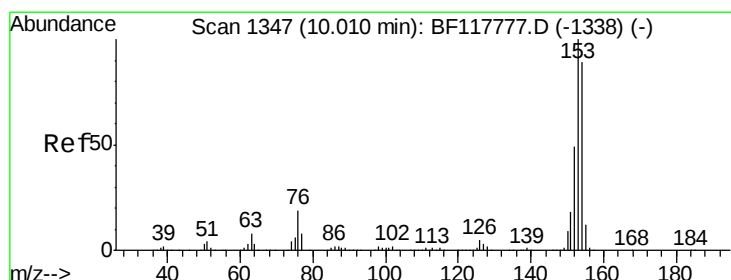
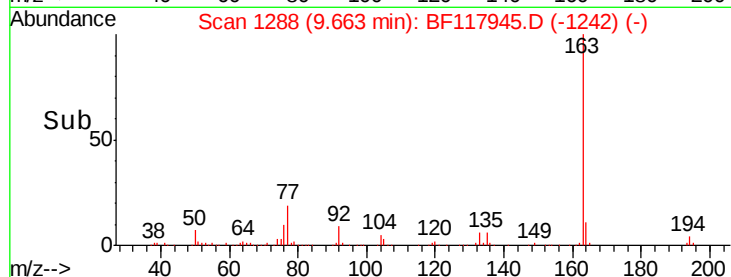
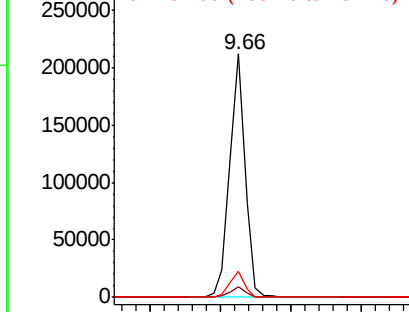


Abundance

Ion 163.00 (162.70 to 163.70): E

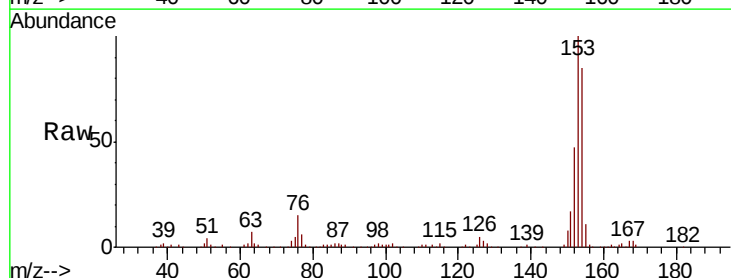
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 4.906 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	109244		
153	117.6		90.1	135.1
152	55.2		44.0	66.0

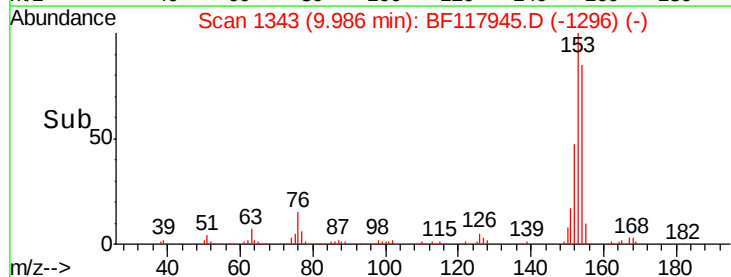
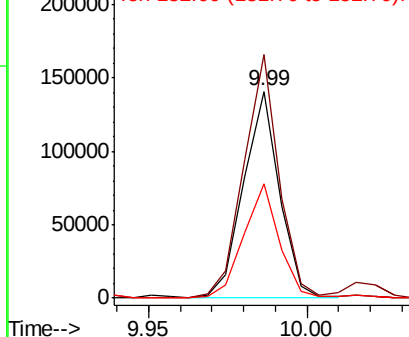


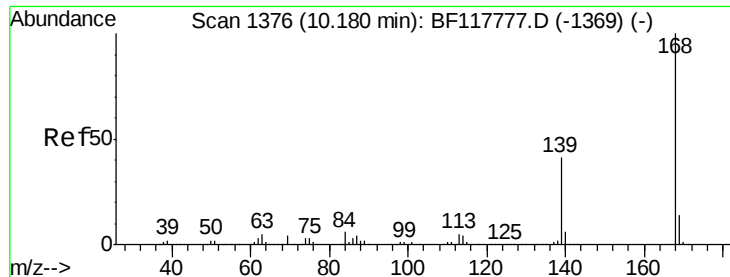
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





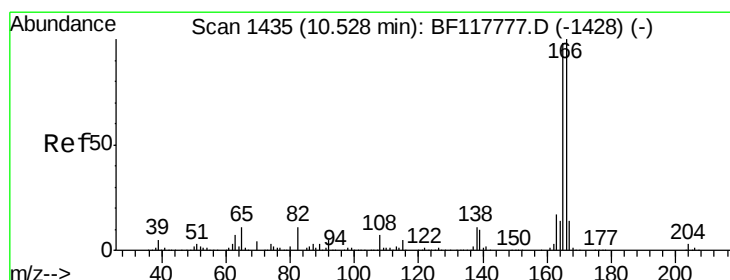
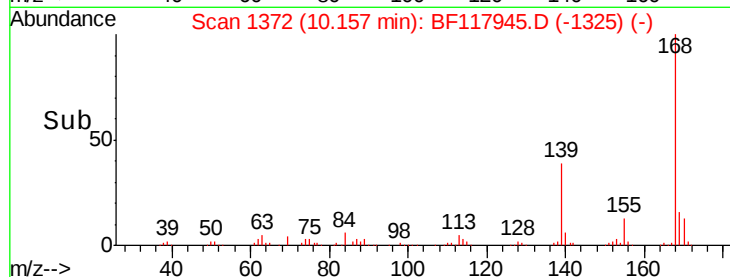
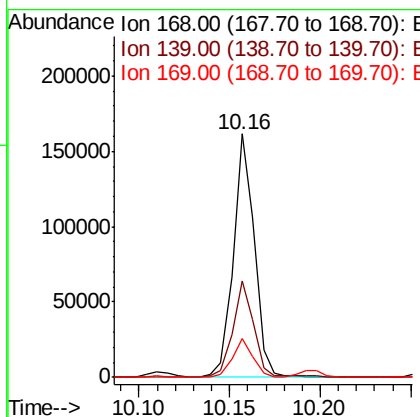
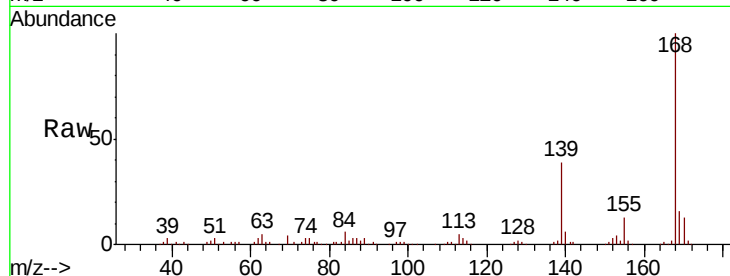
#55
Dibenzenofuran
Concen: 4.195 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	33.0	49.6
169	16.1	11.5	17.3

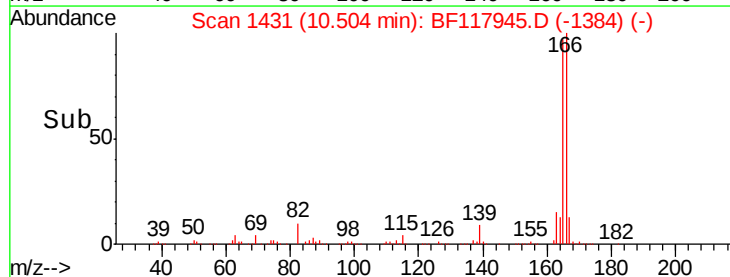
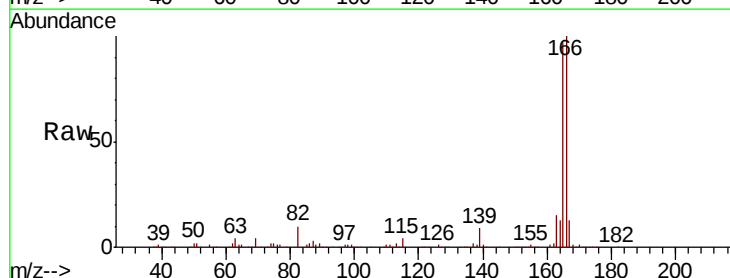
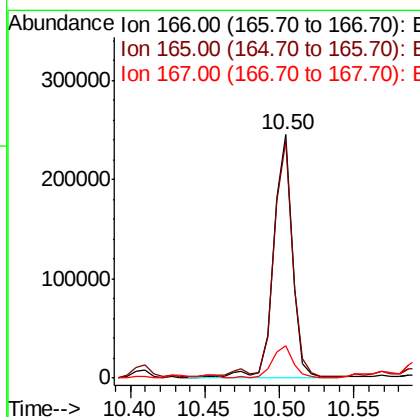
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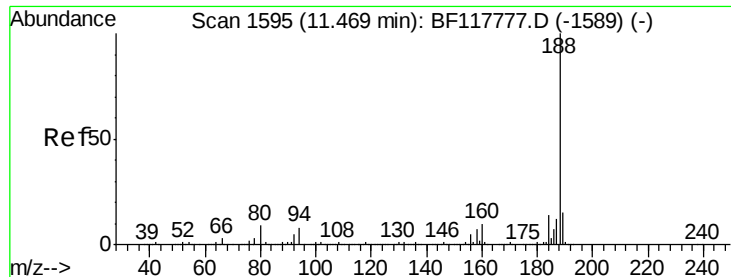
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#58
Fluorene
Concen: 8.889 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.4	117.6
167	13.3	11.0	16.4





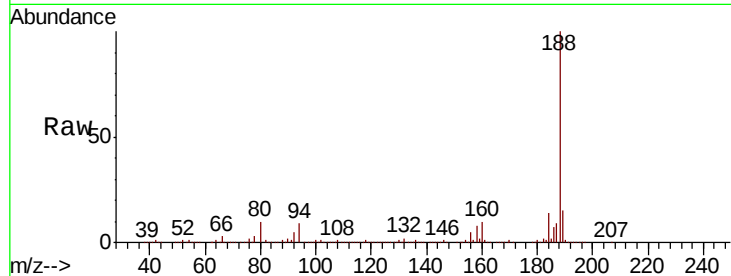
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	528043		
94	8.8		6.6	10.0
80	9.9		7.2	10.8

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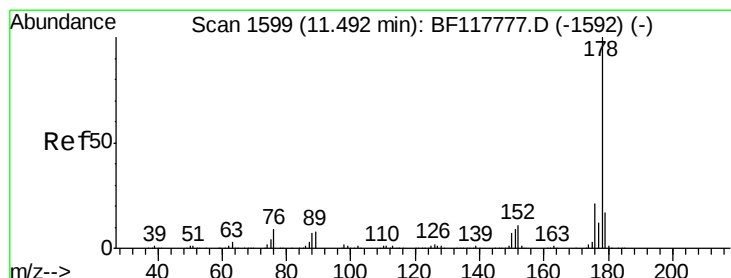
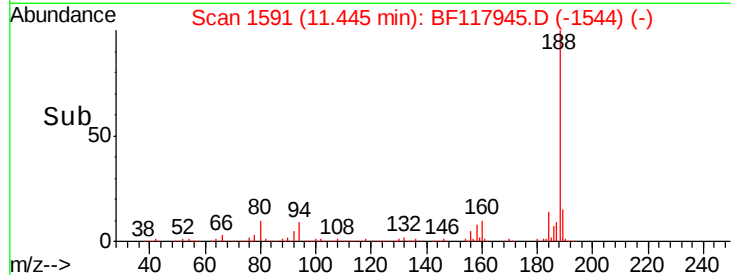
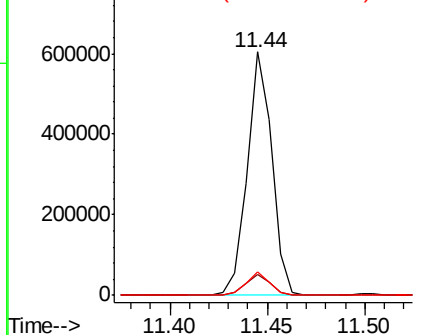


Abundance

Ion 188.00 (187.70 to 188.70): E

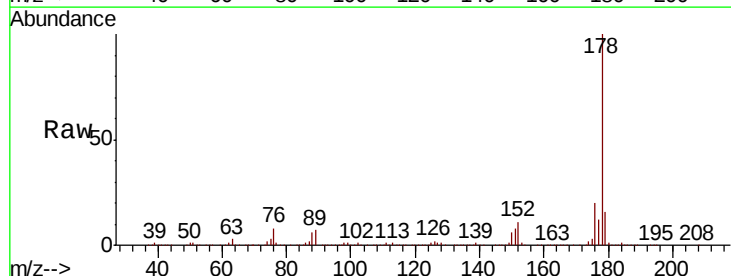
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 43.917 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1165929		
176	19.9		16.6	25.0
179	15.7		13.2	19.8

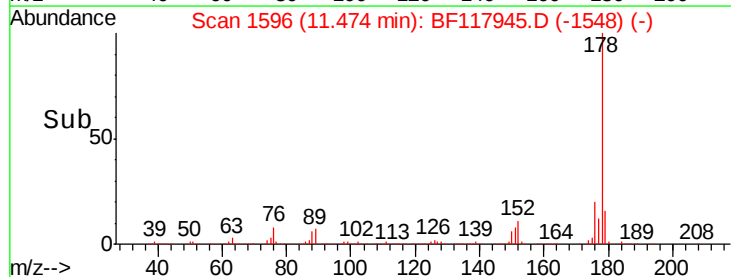
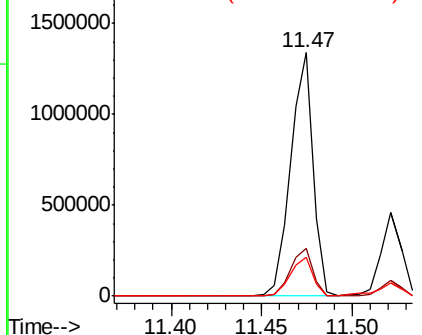


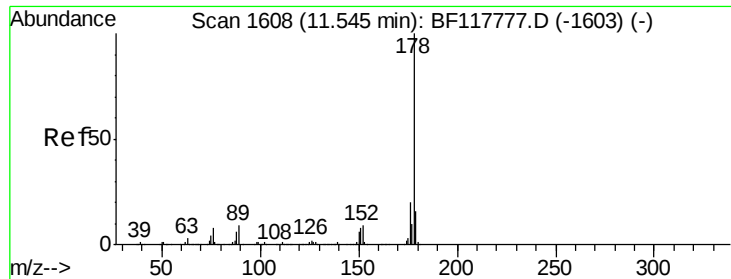
Abundance

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





#72

Anthracene

Concen: 13.229 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.02 min

Lab File: BF117945.D

Acq: 23 Nov 2019 3:40

Instrument :

BNA_F

ClientSampleId :

SU-02-112019DL

Tot Ion:178 Resp: 348201

Ion Ratio Lower Upper

178 100

176 18.2 16.1 24.1

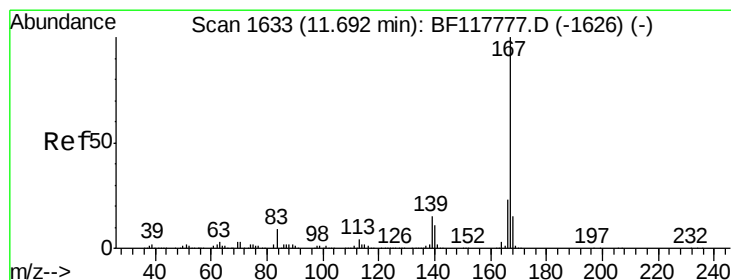
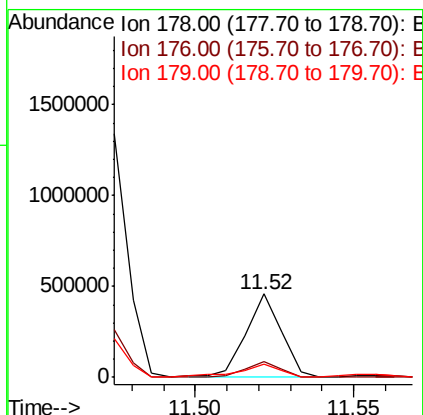
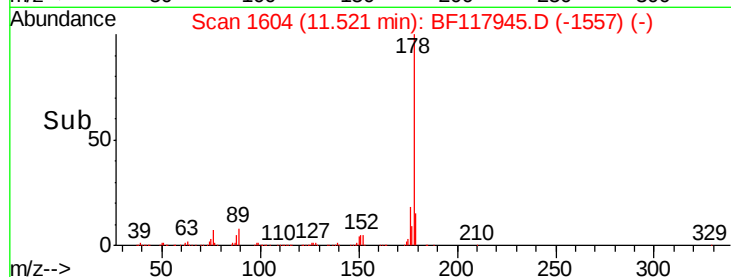
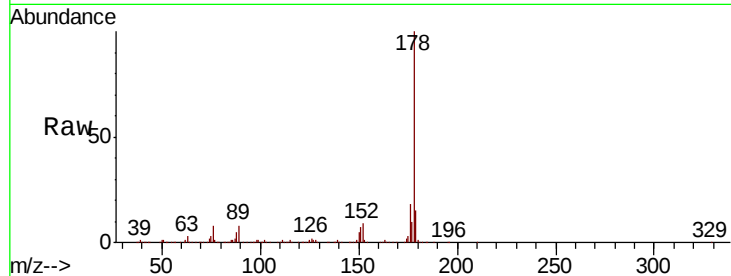
179 15.2 13.0 19.4

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#73

Carbazole

Concen: 3.482 ng

RT: 11.67 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BF117945.D

Acq: 23 Nov 2019 3:40

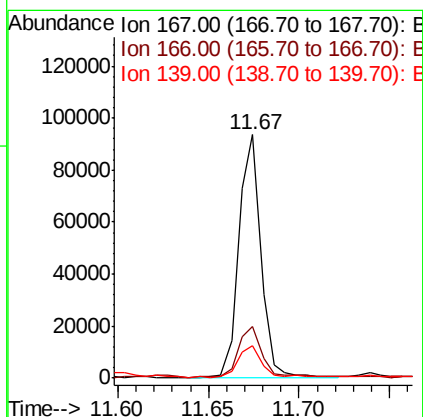
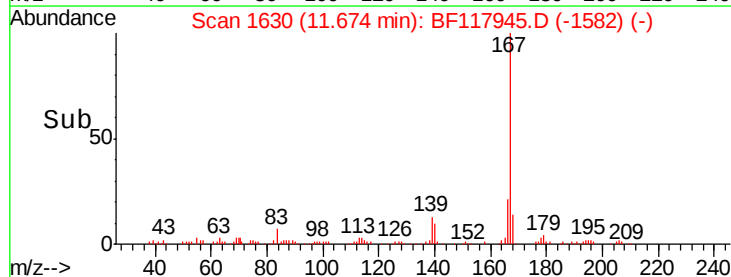
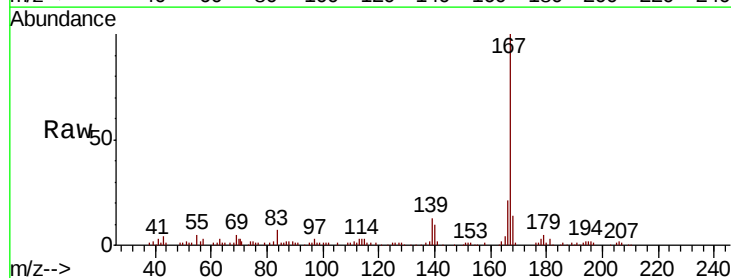
Tgt Ion:167 Resp: 80082

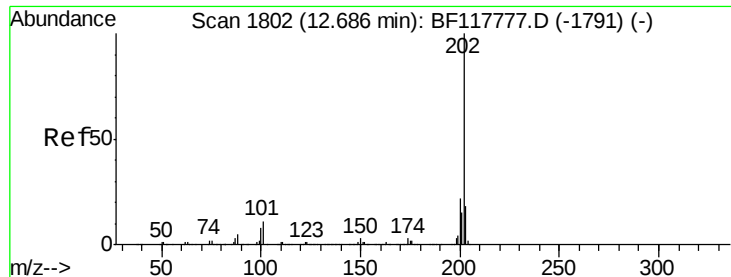
Ion Ratio Lower Upper

167 100

166 21.4 18.0 27.0

139 13.5 11.7 17.5





#75

Fluoranthene

Concen: 62.764 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.02 min

Lab File: BF117945.D

Acq: 23 Nov 2019 3:40

Instrument :

BNA_F

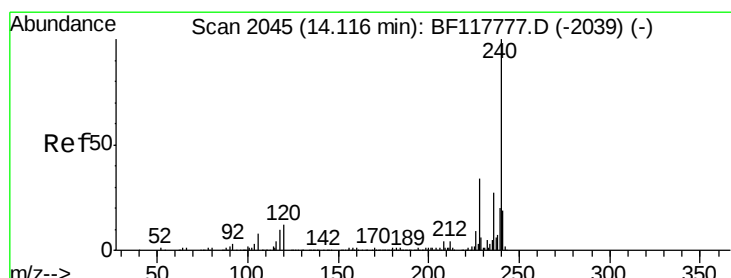
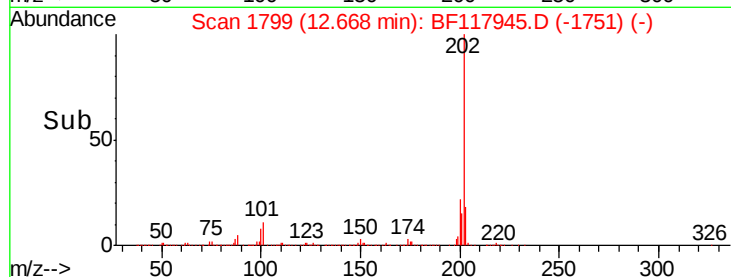
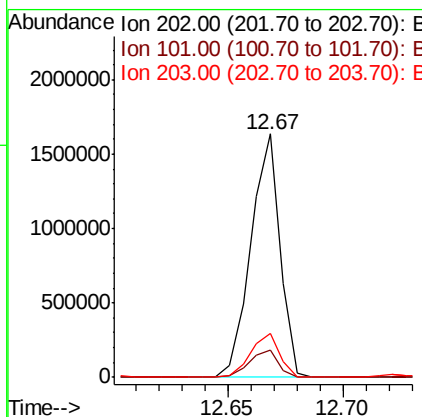
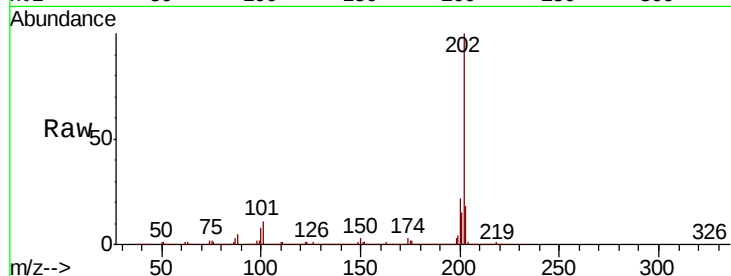
ClientSampleId :

SU-02-112019DL

Tot Ion:	202	Resp:	1445541
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.1
203	18.0	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng

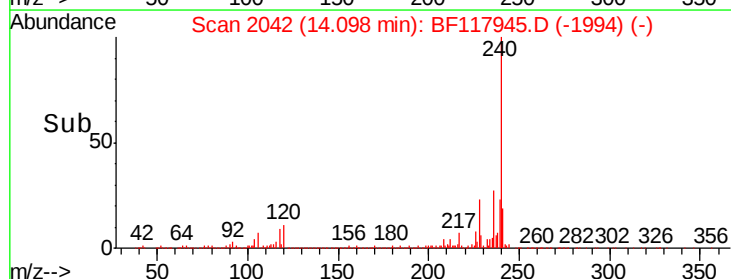
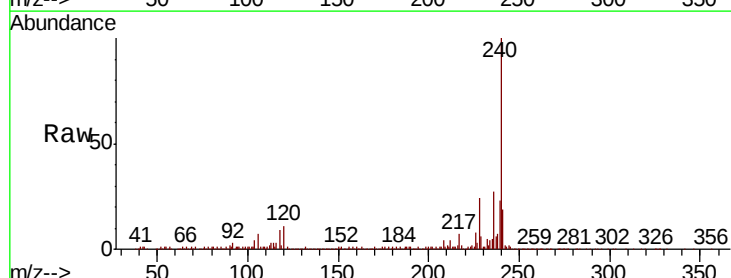
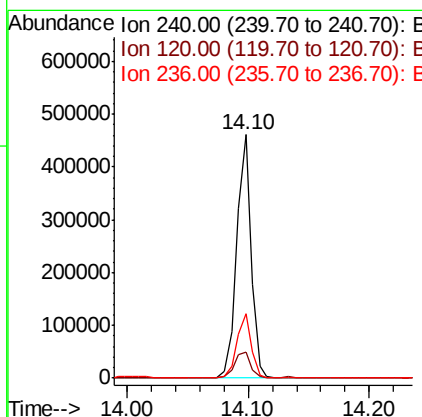
RT: 14.10 min Scan# 2042

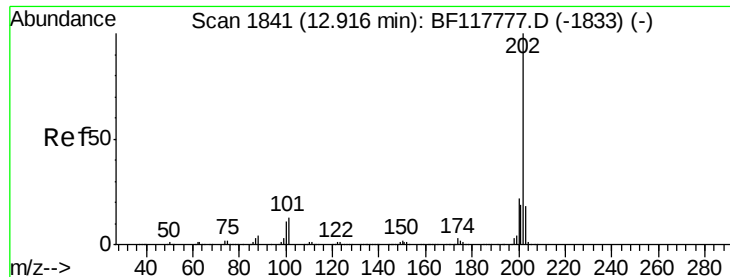
Delta R.T. -0.02 min

Lab File: BF117945.D

Acq: 23 Nov 2019 3:40

Tgt Ion:	240	Resp:	385449
Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	26.6	21.3	31.9





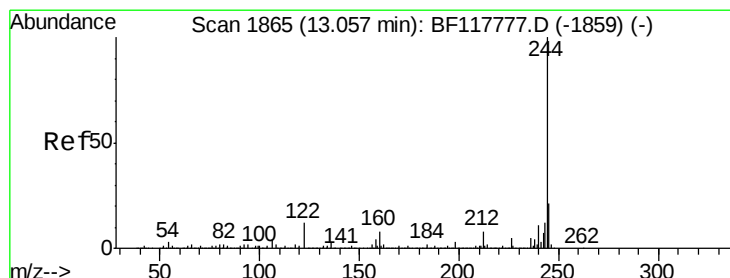
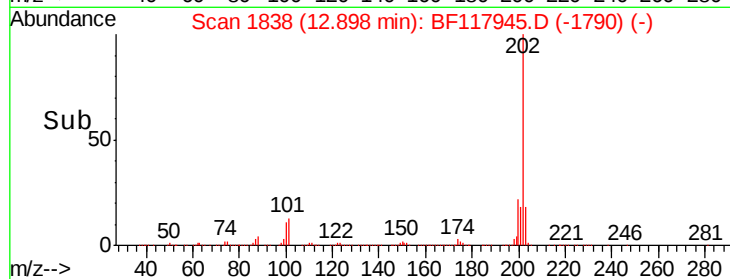
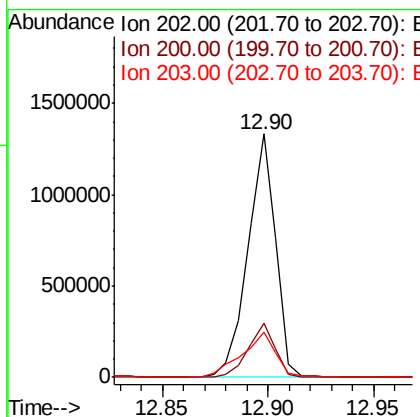
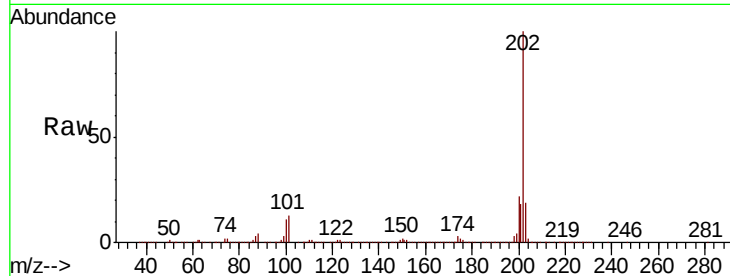
#78
Pvrene
Concen: 38.924 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.8	26.8
203	18.5	14.6	22.0

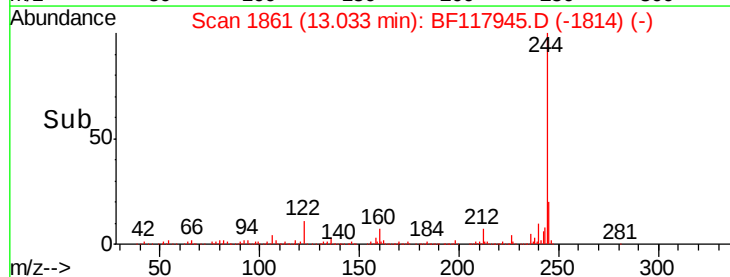
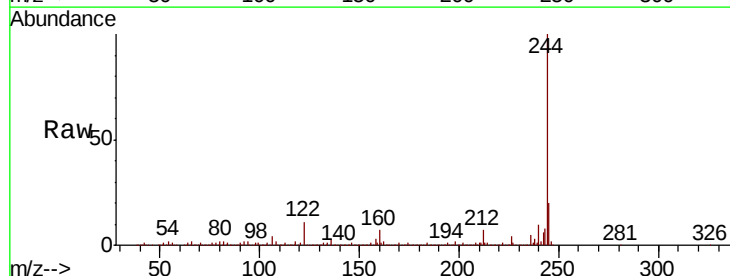
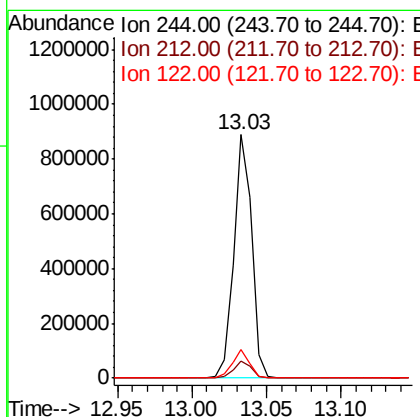
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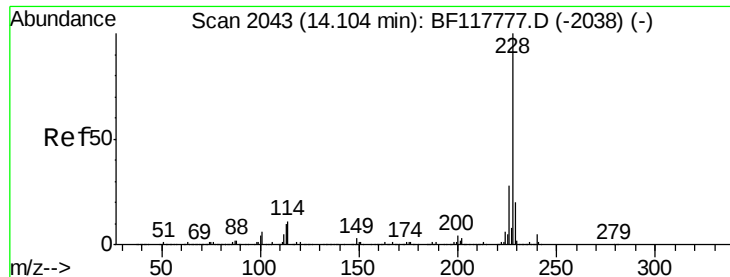
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#79
Terphenyl-d14
Concen: 35.761 ng
RT: 13.03 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	11.5	9.4	14.2





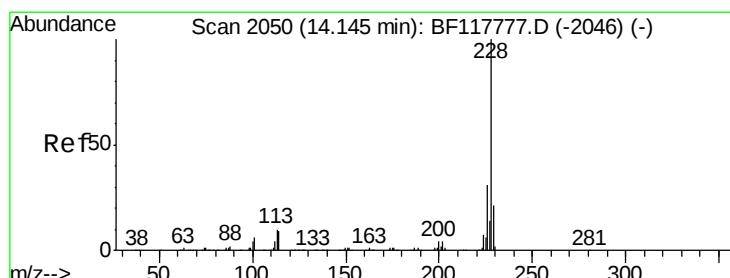
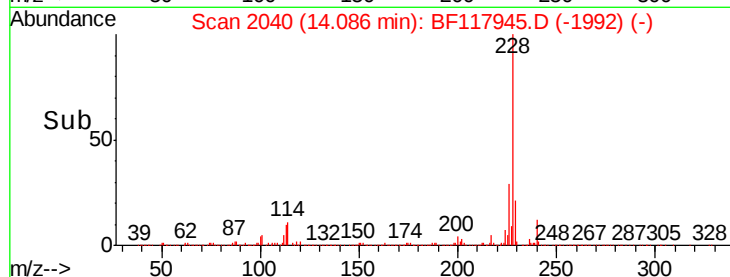
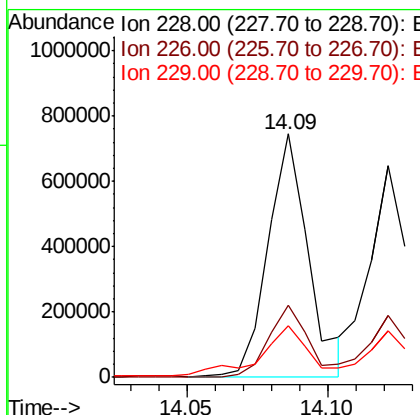
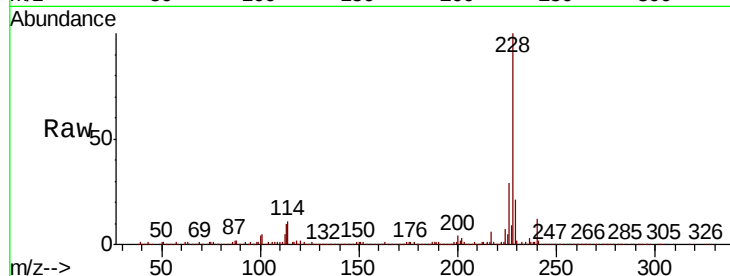
#81
Benzo(a)anthracene
Concen: 28.790 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	21.1	15.9	23.9

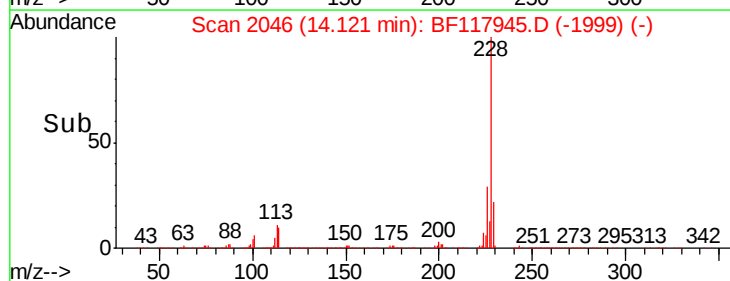
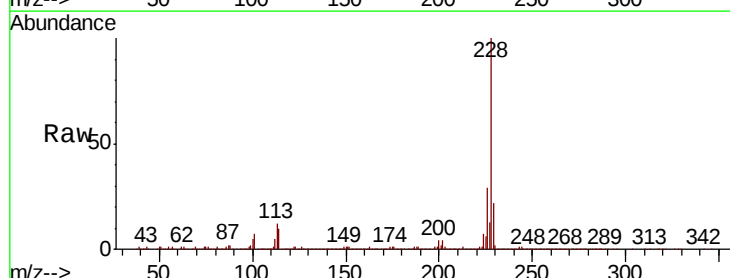
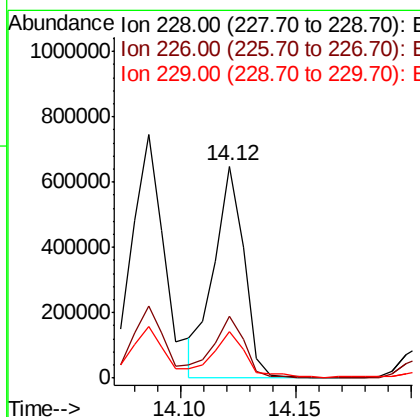
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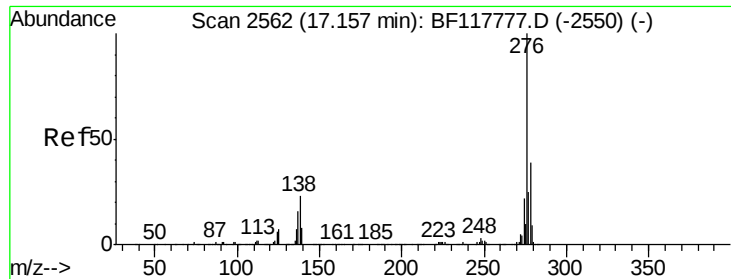
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#83
Chrysene
Concen: 23.533 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.4
229	22.0	16.6	25.0





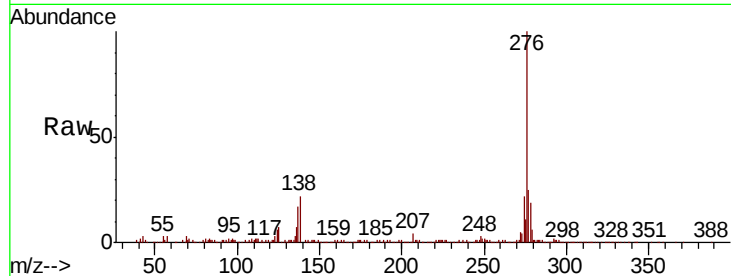
#86
Indeno(1,2,3-cd)pyrene
Concen: 14.604 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.04 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.8	20.9	31.3#
277	5.2	20.3	30.5#

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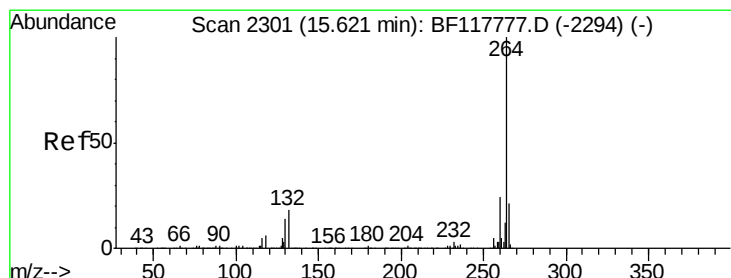
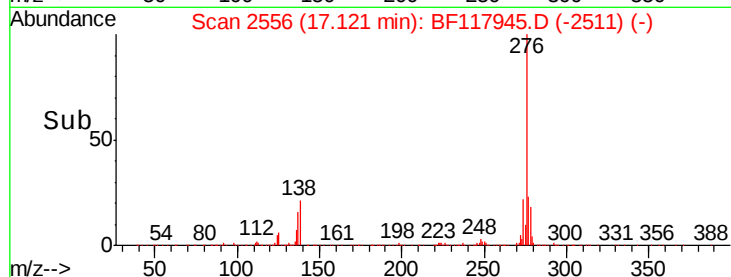
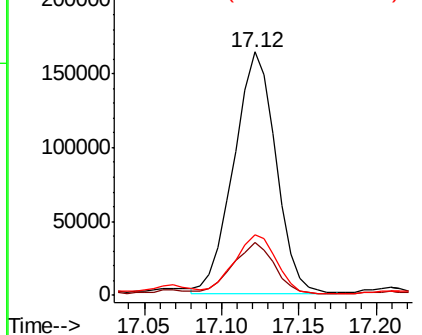


Abundance

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: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

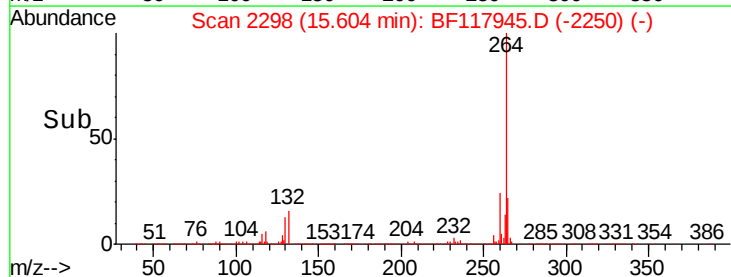
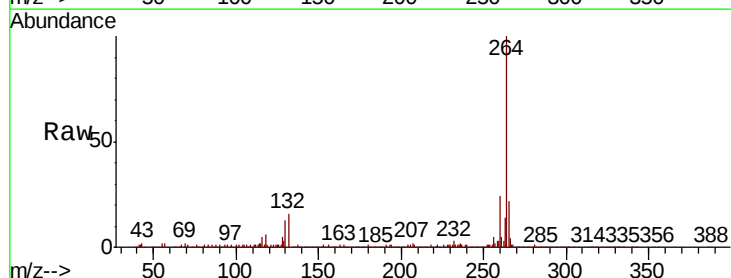
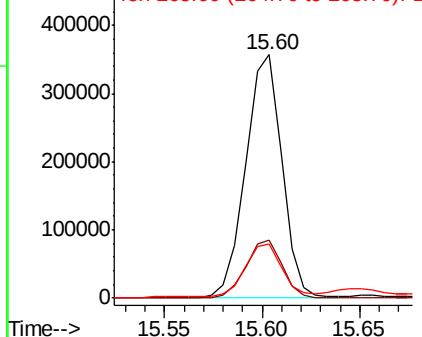
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	22.4	17.1	25.7

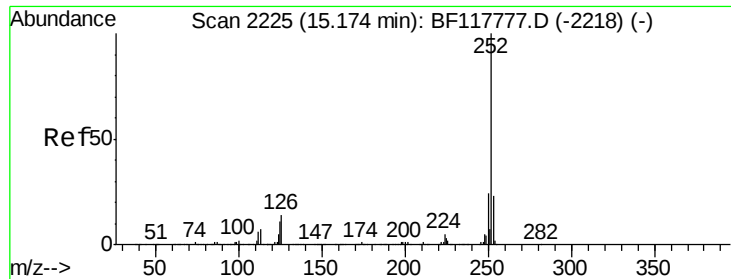
Abundance

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





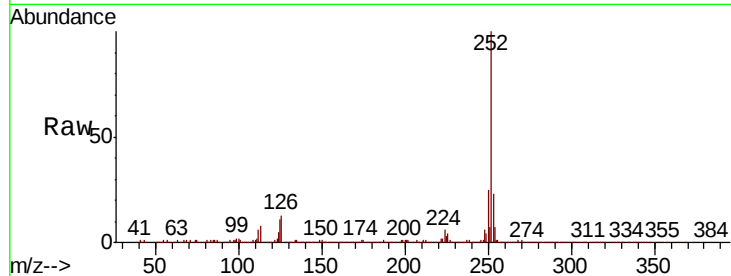
#88
Benzo(b)fluoranthene
Concen: 28.480 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

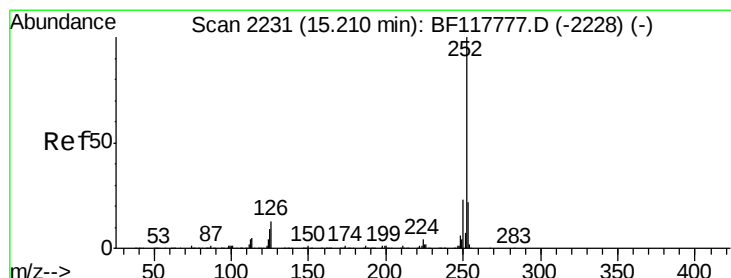
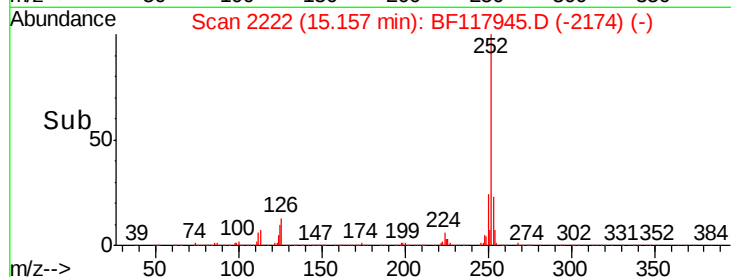
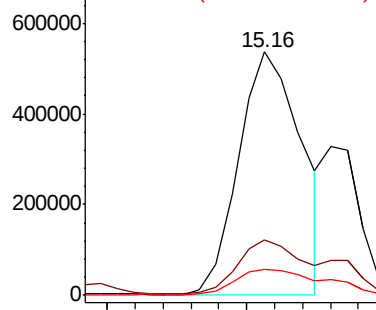
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.9	8.6	13.0

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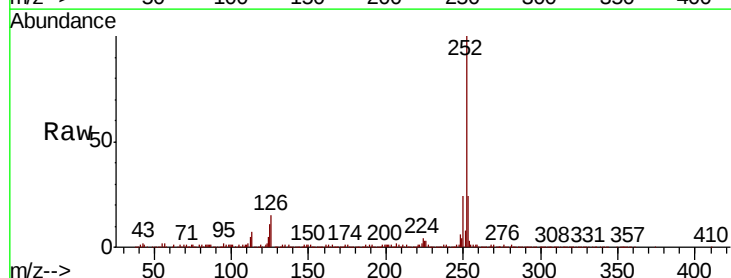


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

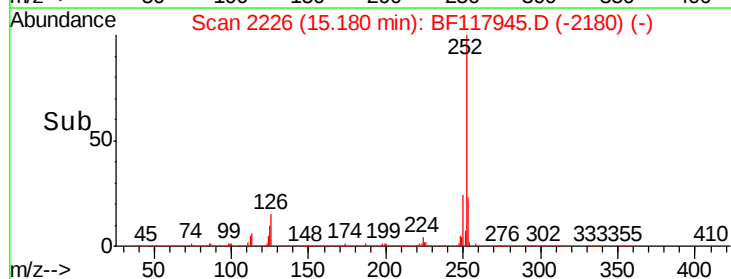
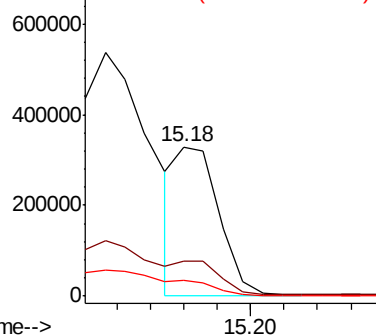


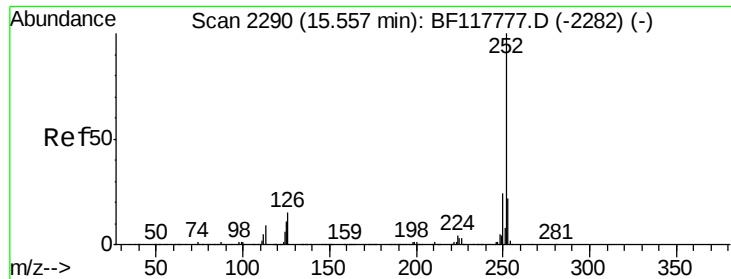
#89
Benzo(k)fluoranthene
Concen: 10.669 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.03 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	11.0	7.9	11.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





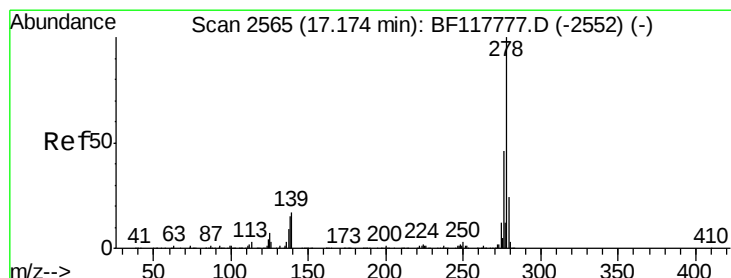
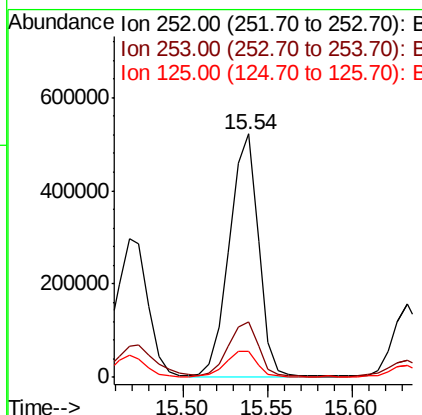
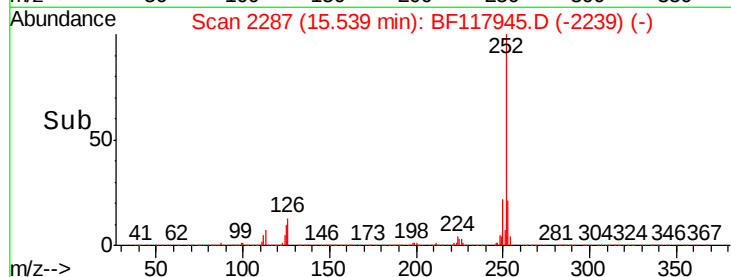
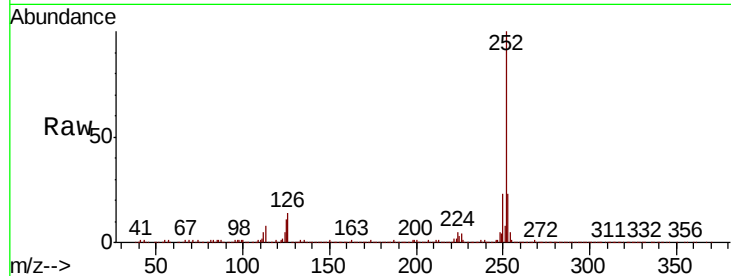
#90
Benzo(a)pyrene
Concen: 23.847 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.02 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Instrument :
BNA_F
ClientSampleId :
SU-02-112019DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	10.8	9.2	13.8

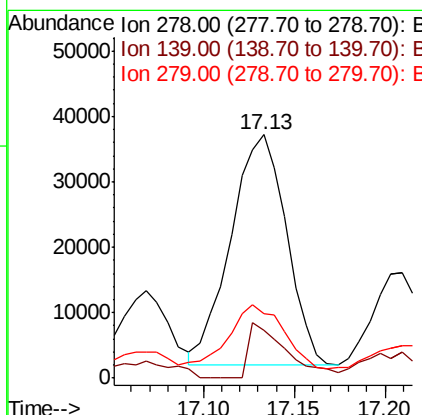
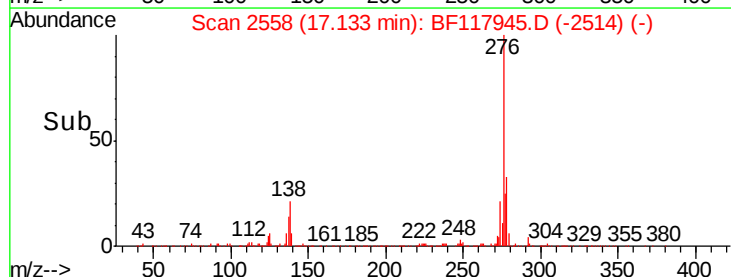
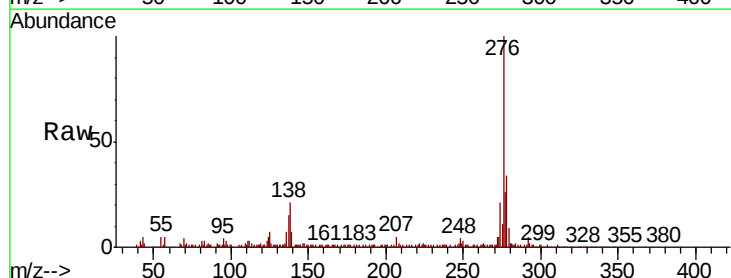
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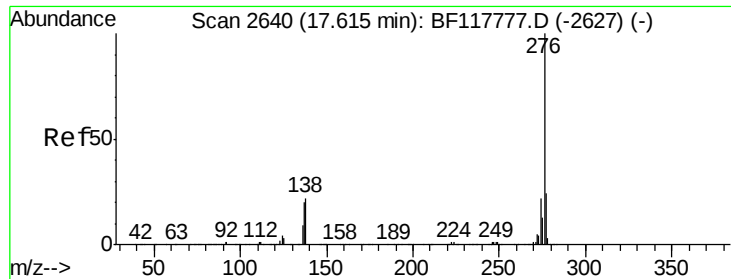
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#91
Dibenzo(a,h)anthracene
Concen: 3.328 ng
RT: 17.13 min Scan# 2558
Delta R.T. -0.04 min
Lab File: BF117945.D
Acq: 23 Nov 2019 3:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.6	13.8	20.8
279	26.4	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 12.147 ng
 RT: 17.59 min Scan# 2635
 Delta R.T. -0.03 min
 Lab File: BF117945.D
 Acq: 23 Nov 2019 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-112019DL

Tot Ion:	276	Resp:	271954
Ion Ratio		Lower	Upper
276	100		
277	23.5	18.9	28.3
138	20.8	17.4	26.2

Manual Integrations
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