

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118045.D
 Acq On : 27 Nov 2019 17:15
 Operator : JU
 Sample : K5959-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WS-112019-0-2-COMP-B3

Manual Integrations
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 11/29/2019 8:53:34 AM

Quant Time: Nov 28 00:25:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	144467	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	556582	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	279993	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	456759	20.00	ng	0.00
76) Chrysene-d12	14.08	240	285226	20.00	ng	0.00
87) Perylene-d12	15.59	264	356728	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	752764	92.23	ng	0.00
7) Phenol-d6	6.51	99	947445	96.25	ng	-0.01
23) Nitrobenzene-d5	7.45	82	586575	62.65	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	272356	91.88	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1161685	74.43	ng	-0.01
79) Terphenyl-d14	13.02	244	968337	62.05	ng	-0.01

Target Compounds

						Qvalue
50) Dimethylphthalate	9.64	163	198562	10.113	ng	99
52) Acenaphthene	9.96	154	35385	2.217	ng	99
71) Phenanthrene	11.45	178	989774	43.100	ng	99
72) Anthracene	11.50	178	225929	9.923	ng	98
73) Carbazole	11.66	167	46665	2.345	ng	99
75) Fluoranthene	12.65	202	1193432	59.493	ng	100
78) Pyrene	12.88	202	1239092	53.755	ng	99
81) Benzo(a)anthracene	14.07	228	719755	38.187	ng	98
83) Chrysene	14.11	228	675570	36.989	ng	98
84) Bis(2-ethylhexyl)phthalate	14.05	149	27546	2.295	ng	98
86) Indeno(1,2,3-cd)pyrene	17.10	276	270635m	17.411	ng	
88) Benzo(b)fluoranthene	15.14	252	829773m	35.802	ng	
89) Benzo(k)fluoranthene	15.17	252	211308m	9.676	ng	
90) Benzo(a)pyrene	15.52	252	572963	28.114	ng	99
91) Dibenzo(a,h)anthracene	17.11	278	88826	5.064	ng	97
92) Benzo(g,h,i)perylene	17.56	276	228186	13.060	ng	98

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

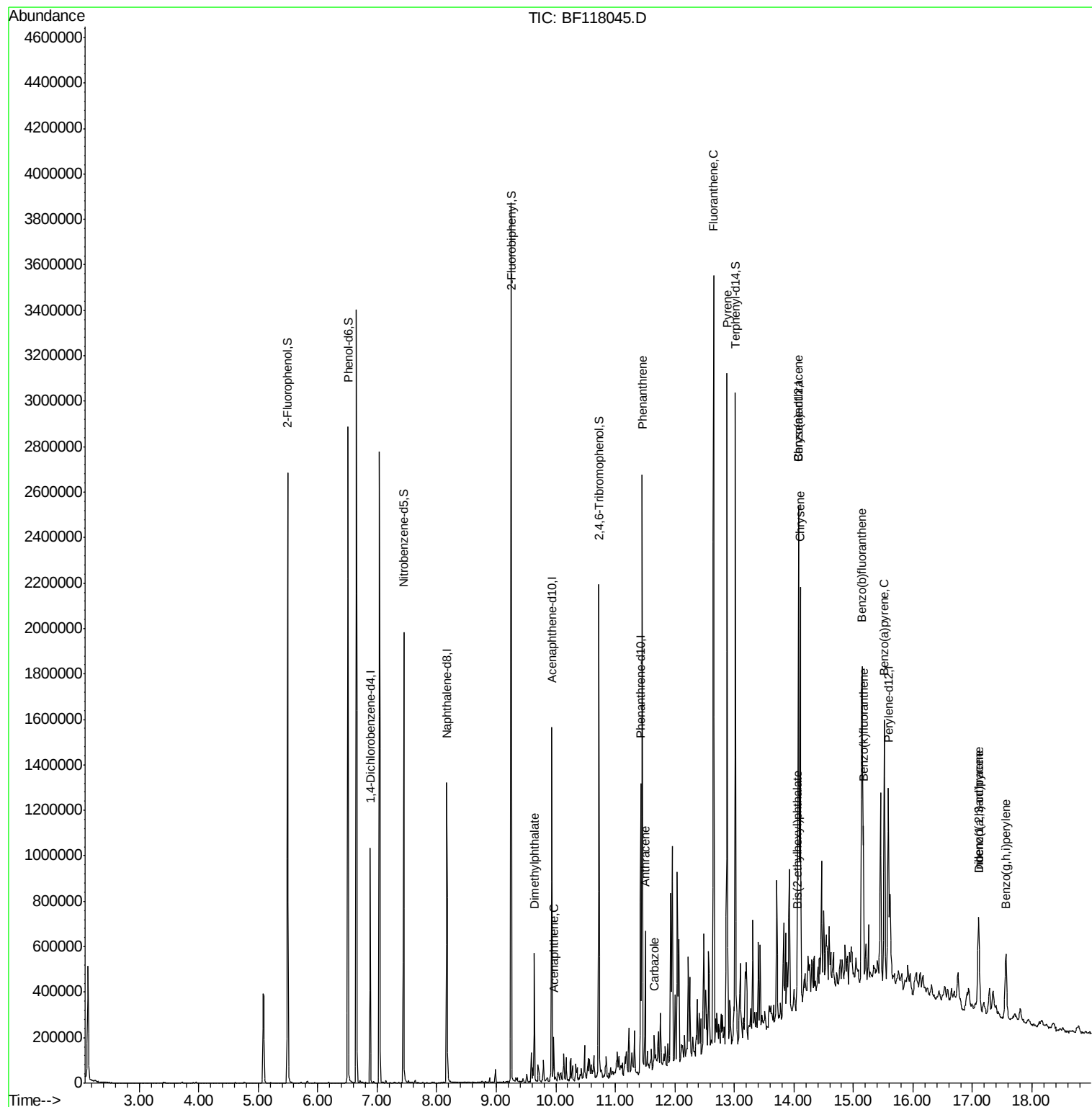
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
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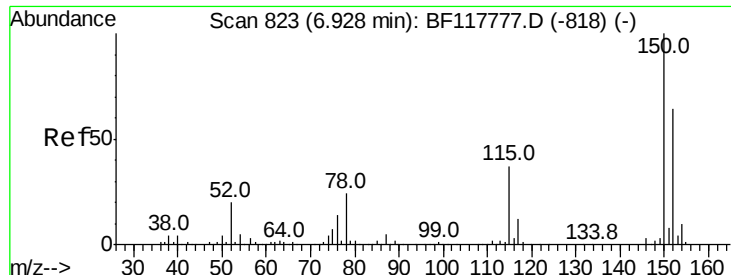
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#1

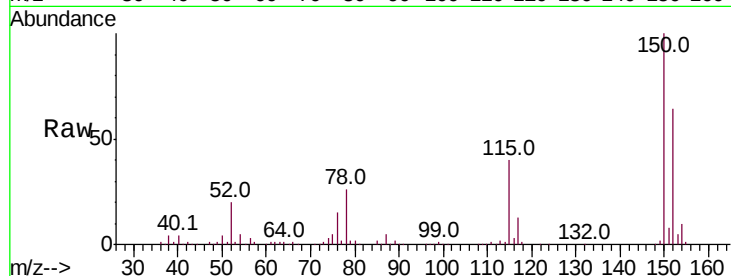
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.3	187.9
115	63.1	47.0	70.4

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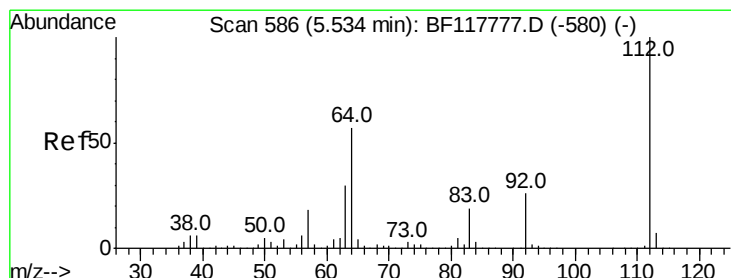
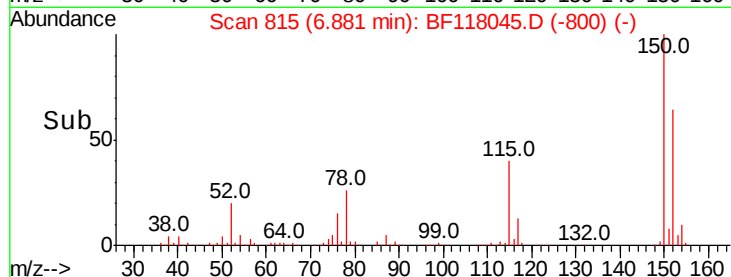
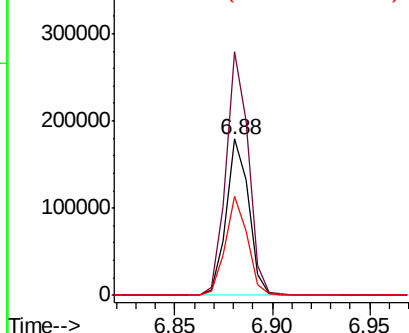


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

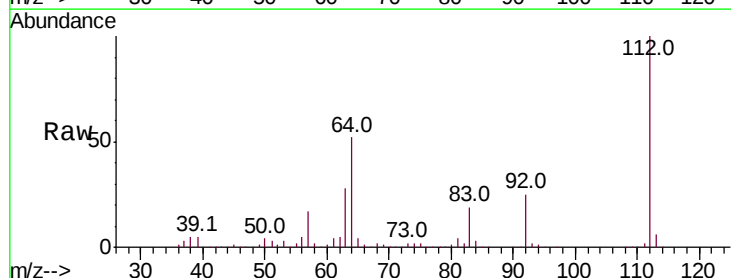
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.234 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	45.6	68.4
63	28.4	24.1	36.1

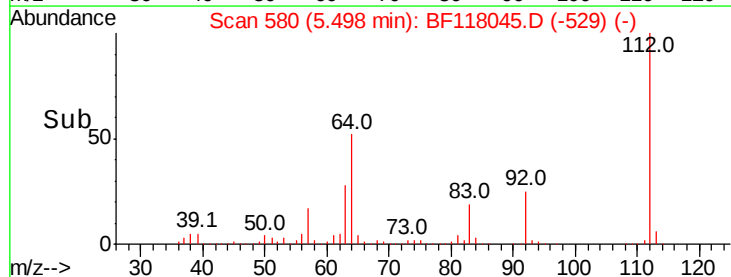
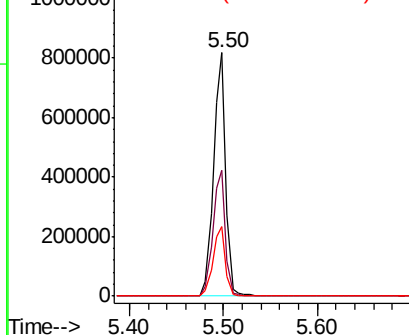


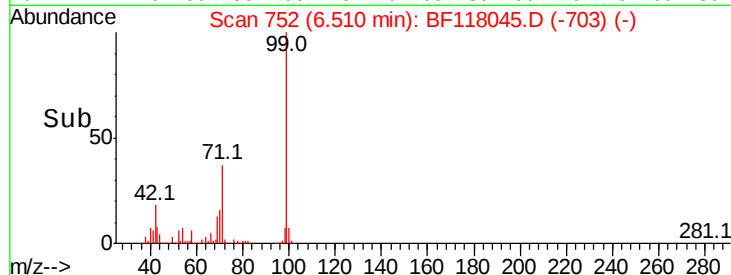
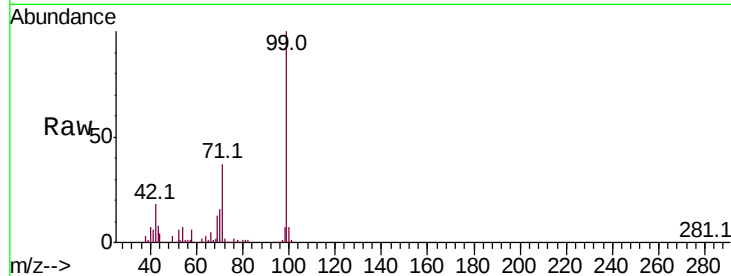
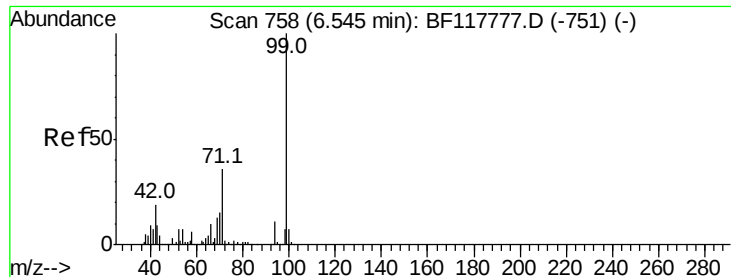
Abundance

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: 96.245 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Tot Ion:	99	Resp:	947445
Ion Ratio	Lower	Upper	
99	100		
42	17.5	14.9	22.3
71	37.2	28.6	43.0

Instrument :

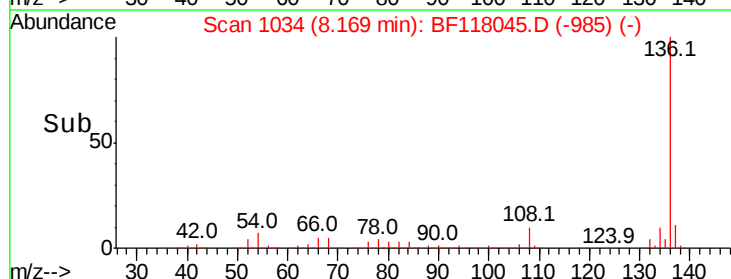
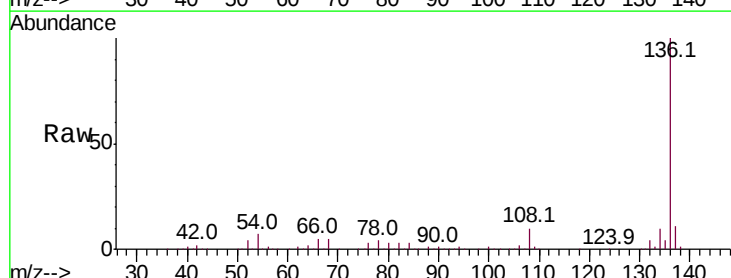
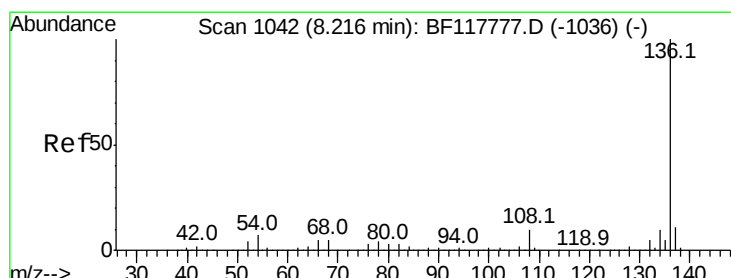
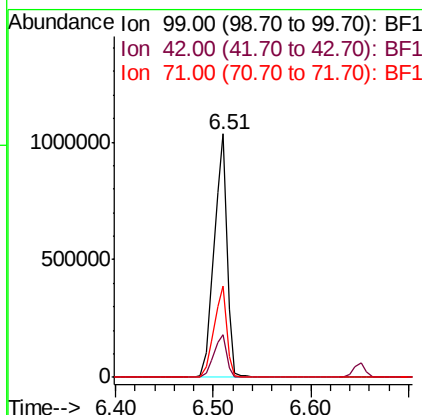
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

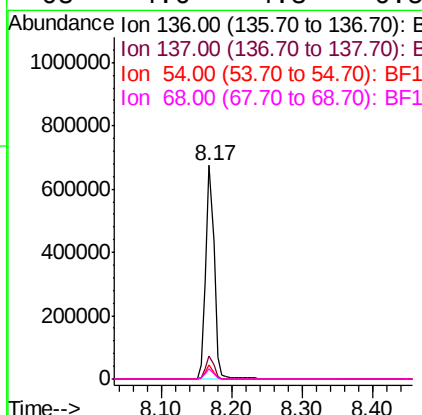
RT: 8.17 min Scan# 1034

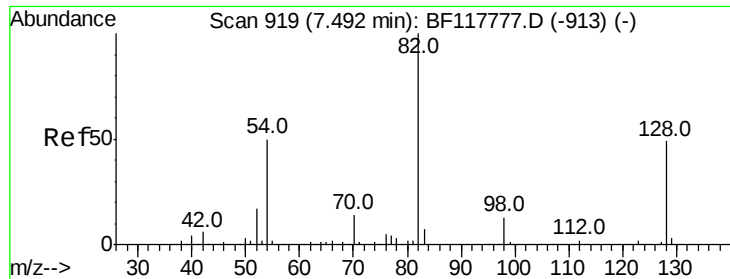
Delta R.T. -0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Tgt Ion:	136	Resp:	556582
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	6.6	5.4	8.2
68	4.6	4.3	6.5





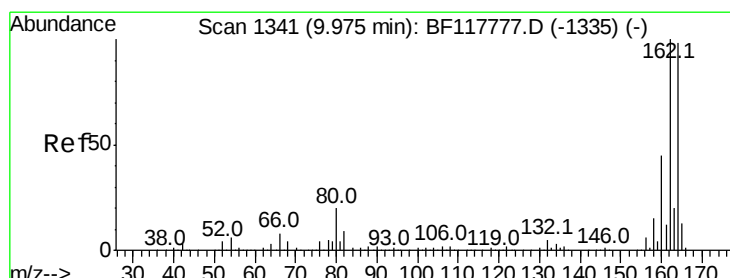
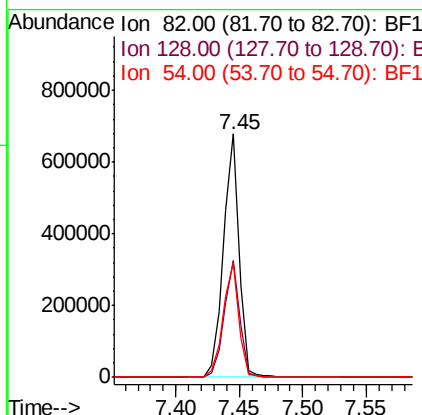
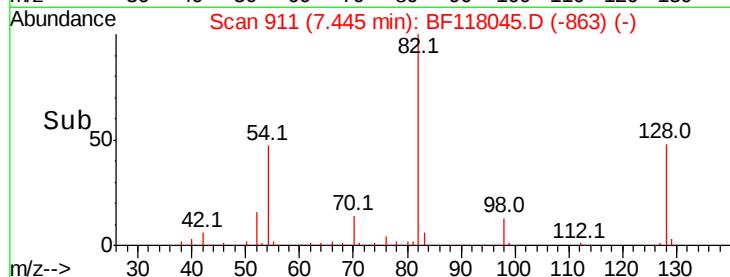
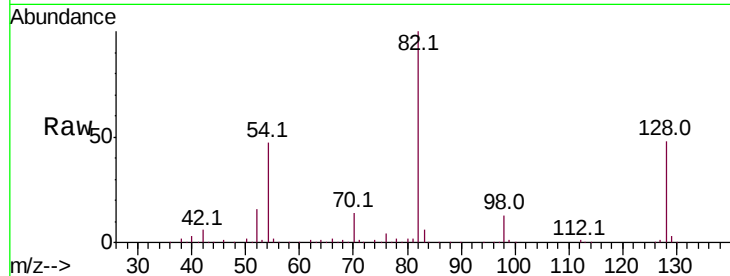
#23
 Nitrobenzene-d5
 Concen: 62.649 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: BF118045.D
 Acq: 27 Nov 2019 17:15

Instrument :
 BNA_F
 ClientSampleId :
 WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.2	38.9	58.3	
54	46.9	39.8	59.6	

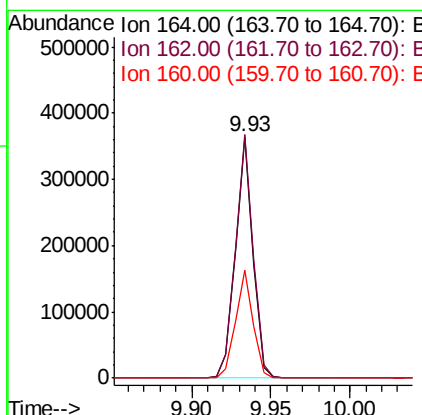
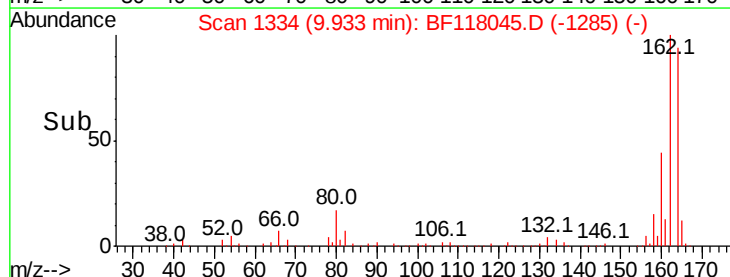
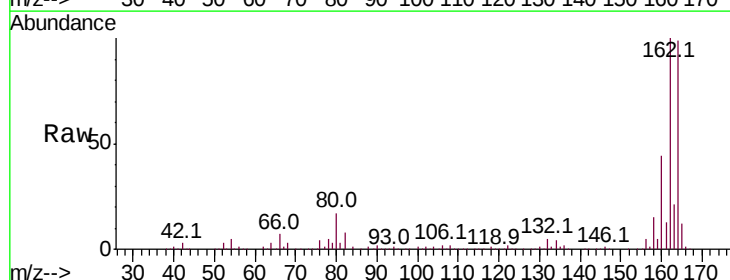
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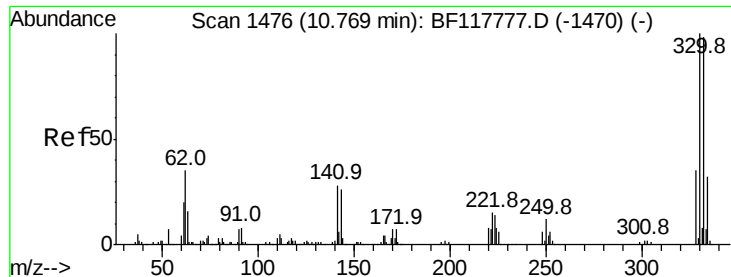
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF118045.D
 Acq: 27 Nov 2019 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	81.3	121.9	
160	44.8	36.6	55.0	





#42

2,4,6-Tribromophenol

Concen: 91.880 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Instrument :

BNA_F

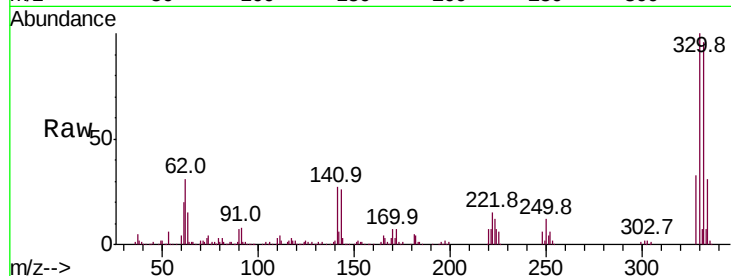
ClientSampleId :

WS-112019-0-2-COMP-B3

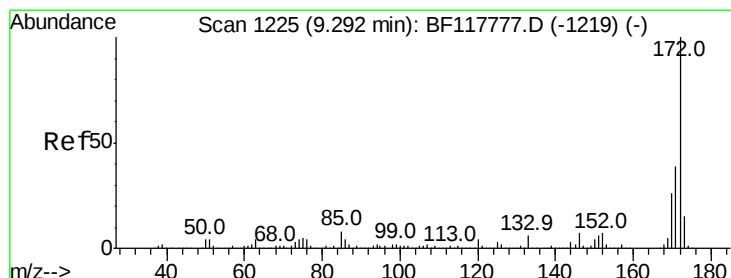
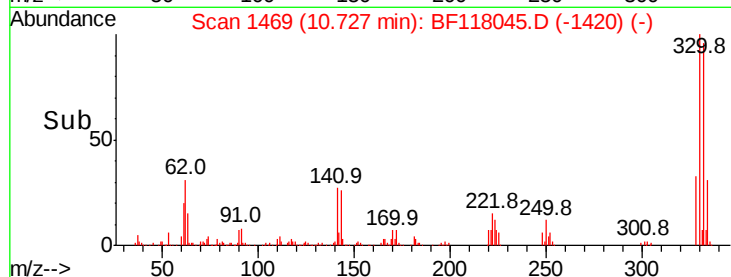
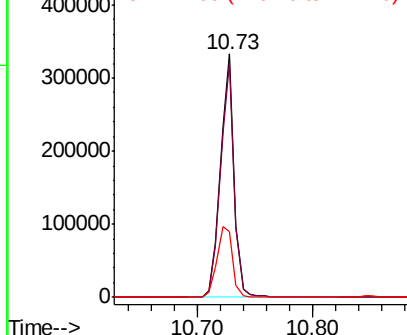
Tot Ion:	330	Resp:	272356
Ion Ratio	Lower	Upper	
330	100		
332	96.7	76.7	115.1
141	33.1	27.7	41.5

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



#45

2-Fluorobiphenyl

Concen: 74.434 ng

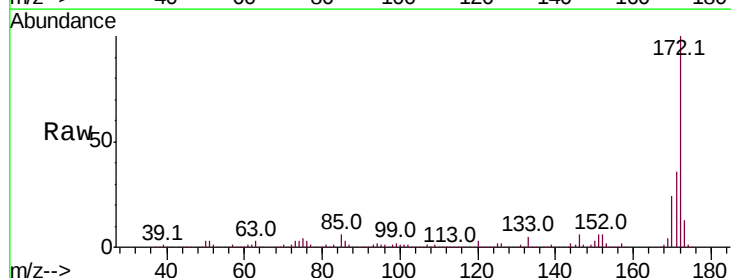
RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

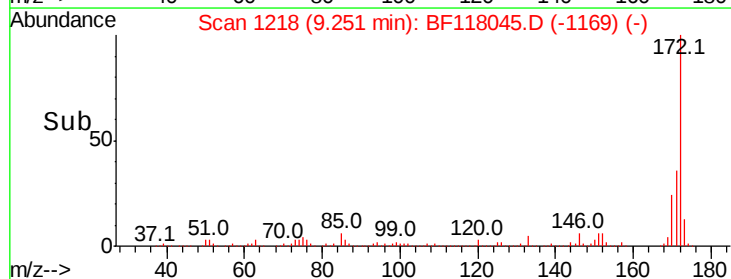
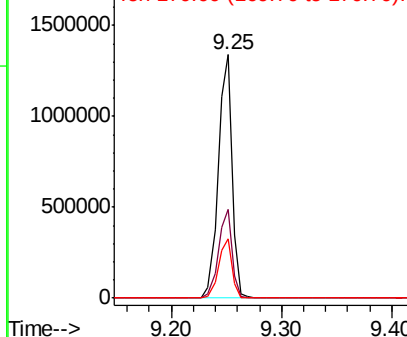
Lab File: BF118045.D

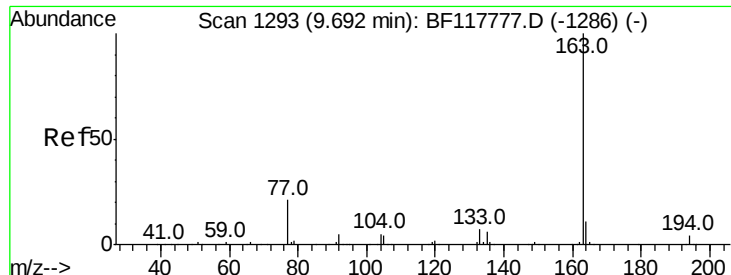
Acq: 27 Nov 2019 17:15

Tgt Ion:	172	Resp:	1161685
Ion Ratio	Lower	Upper	
172	100		
171	36.3	30.9	46.3
170	24.1	21.0	31.4



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





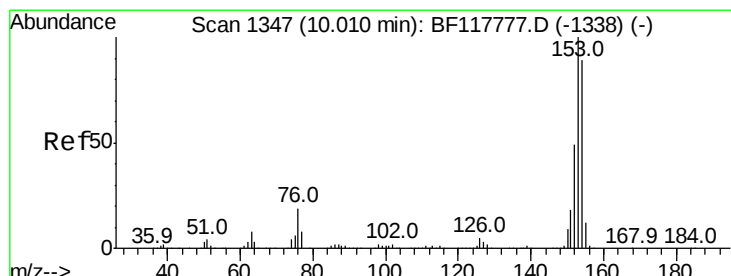
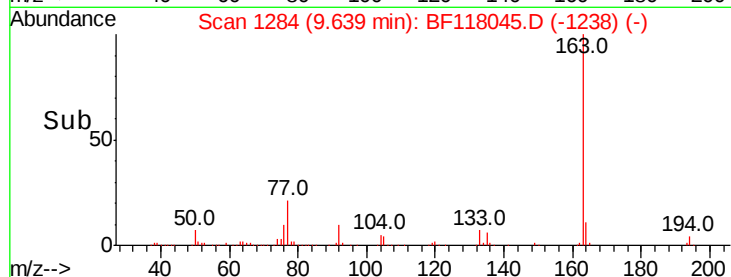
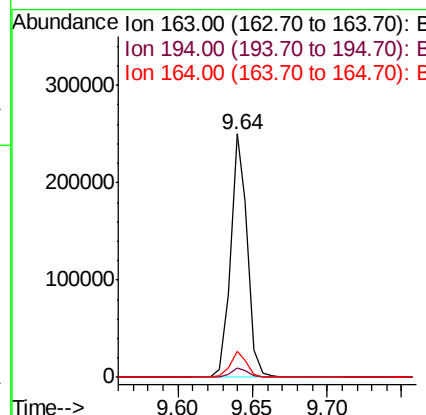
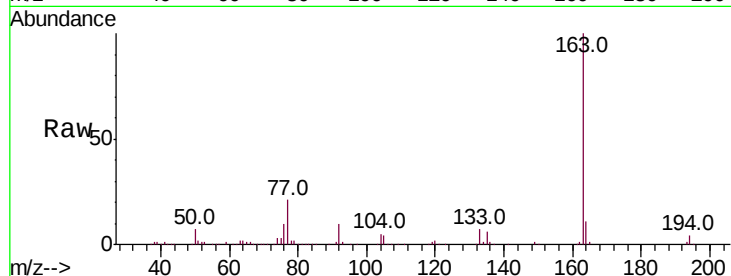
#50
Dimethylphthalate
Concen: 10.113 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.03 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	198562		
194	4.1		3.3	4.9
164	10.6		8.7	13.1

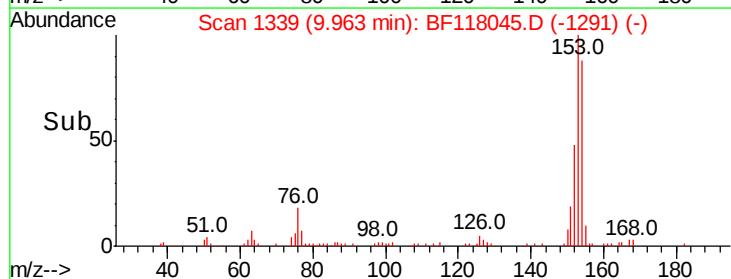
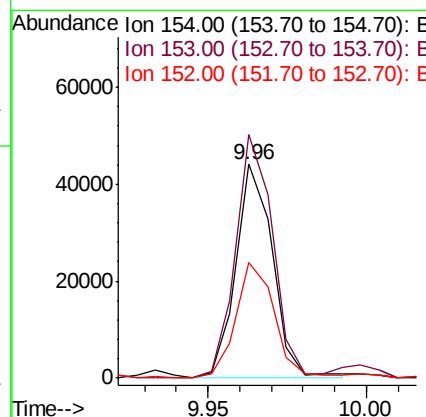
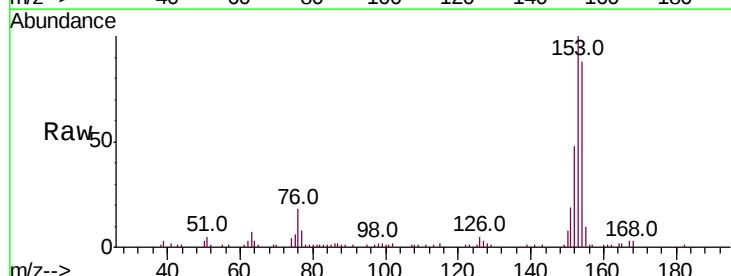
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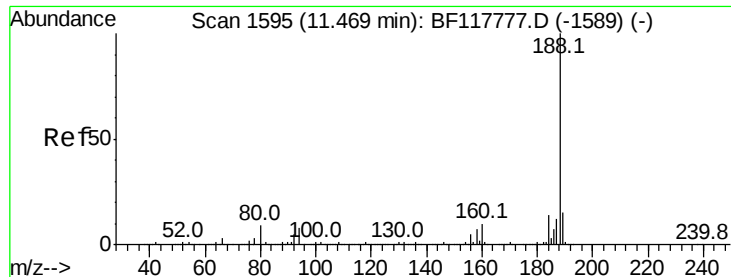
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#52
Acenaphthene
Concen: 2.217 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.02 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	35385		
153	113.9		90.1	135.1
152	54.1		44.0	66.0





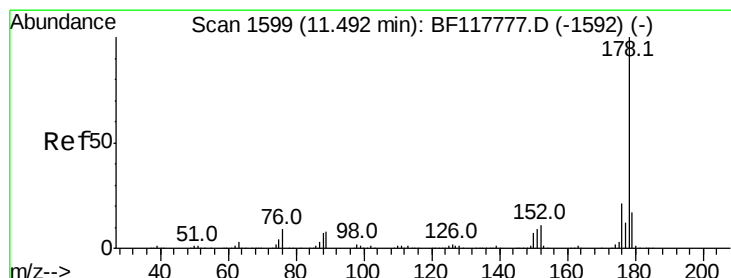
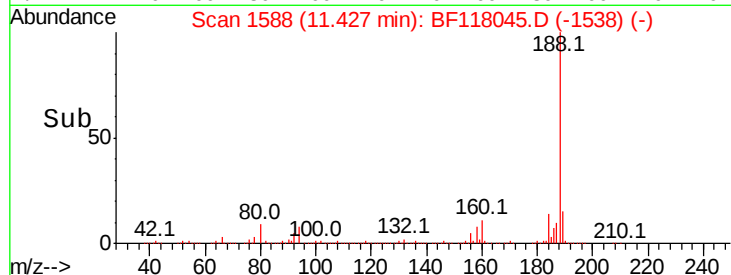
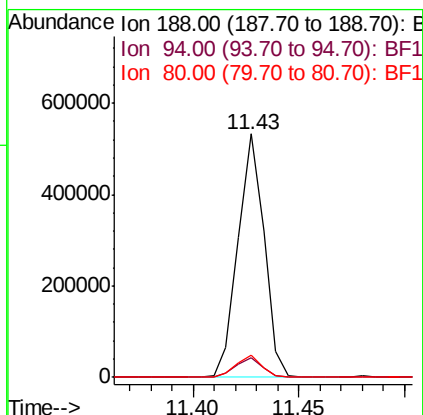
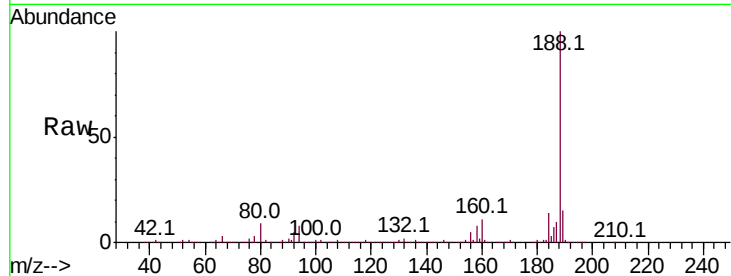
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.1	6.6	10.0
80	8.9	7.2	10.8

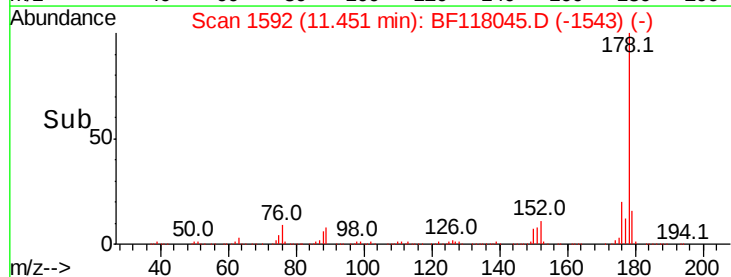
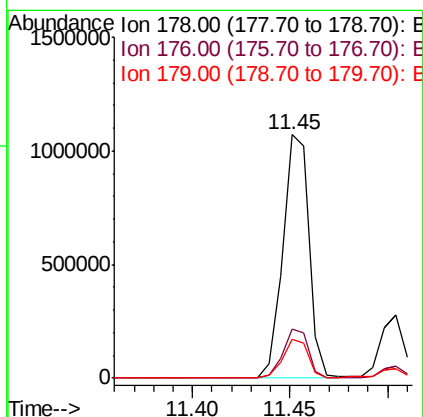
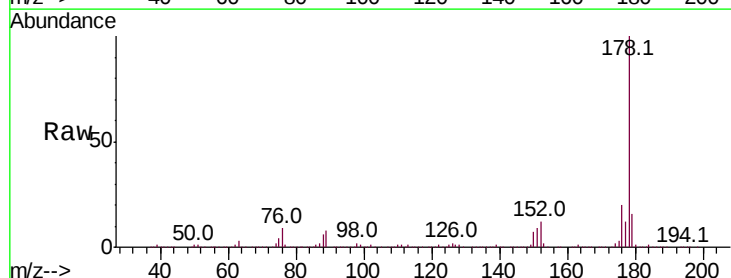
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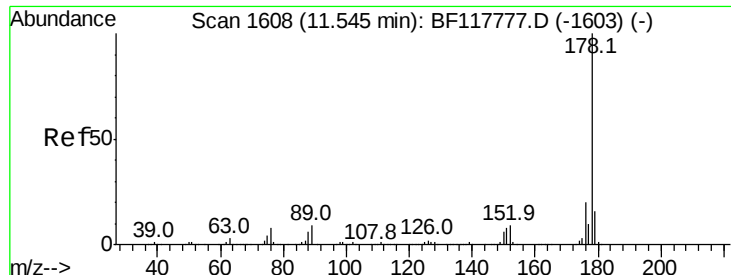
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#71
Phenanthrene
Concen: 43.100 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	16.6	25.0
179	16.2	13.2	19.8





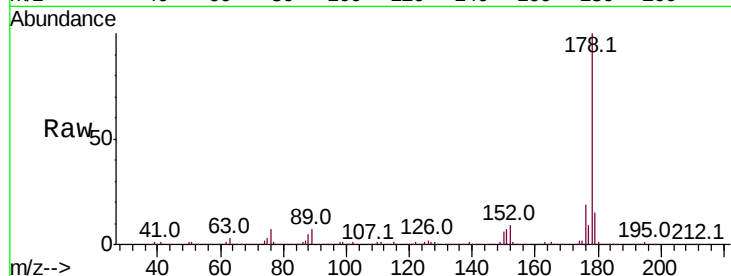
#72
 Anthracene
 Concen: 9.923 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF118045.D
 Acq: 27 Nov 2019 17:15

Instrument :
 BNA_F
 ClientSampleId :
 WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.1	24.1
179	15.3	13.0	19.4

Manual Integrations
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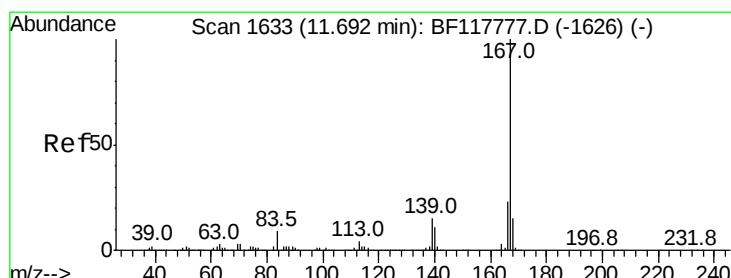
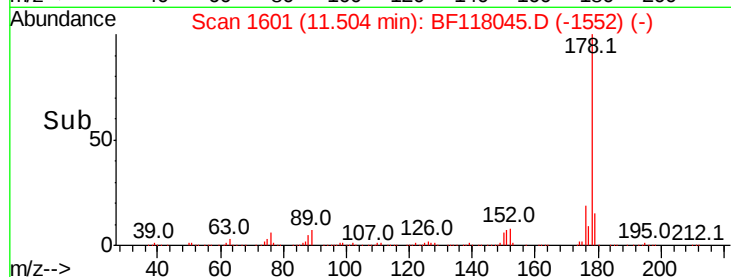
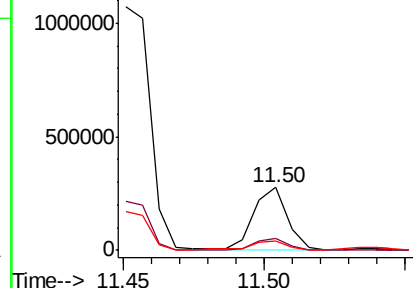


Abundance

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



#73
 Carbazole
 Concen: 2.345 ng
 RT: 11.66 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BF118045.D
 Acq: 27 Nov 2019 17:15

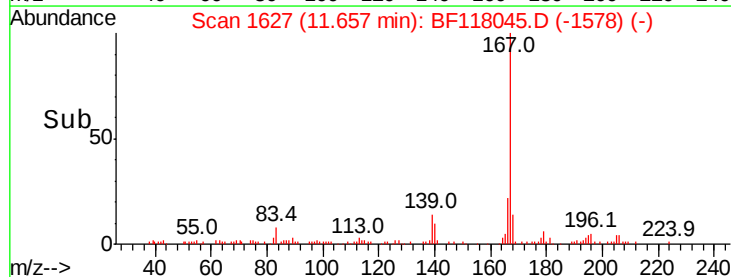
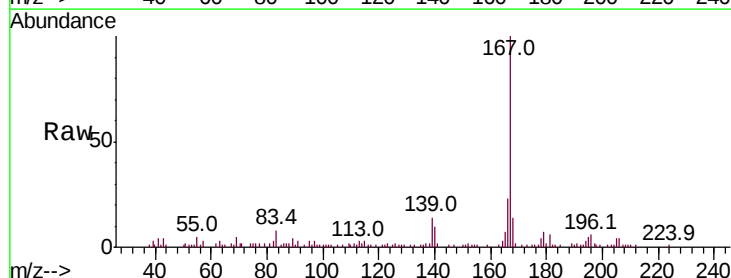
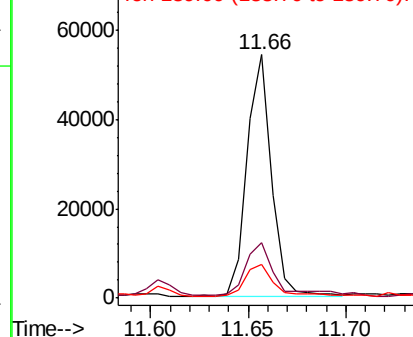
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.0	27.0
139	13.8	11.7	17.5

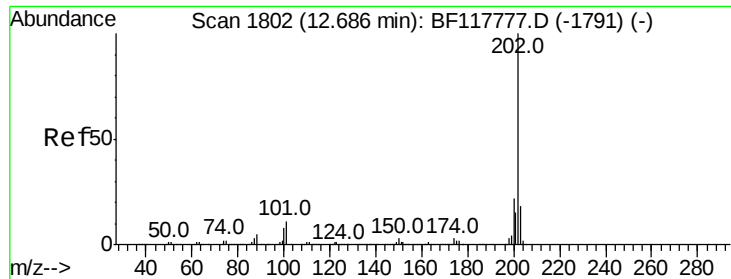
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 59.493 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Instrument :

BNA_F

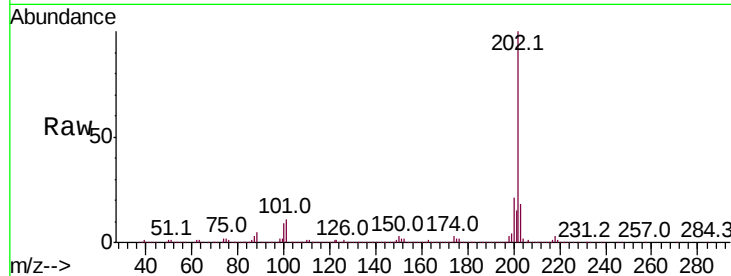
ClientSampleId :

WS-112019-0-2-COMP-B3

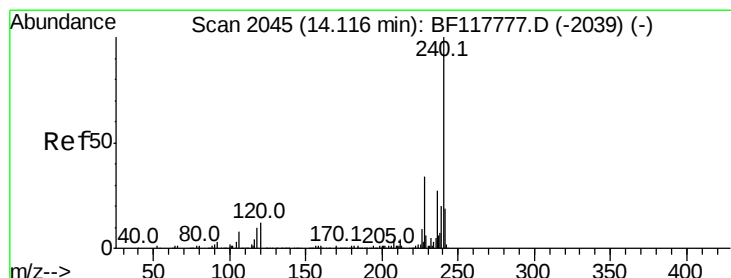
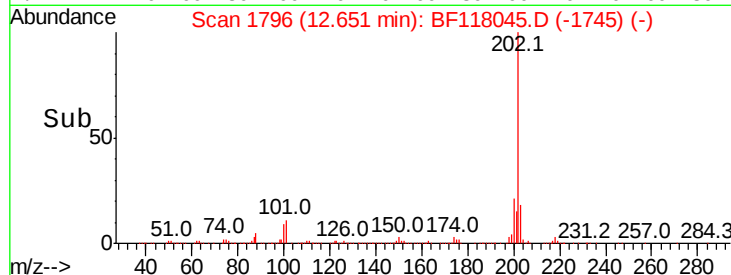
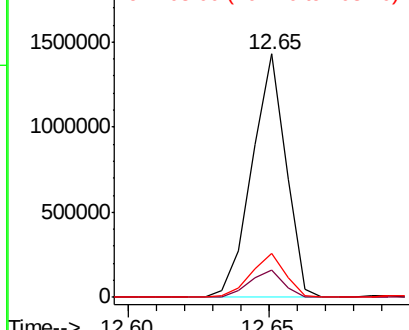
Tot Ion:	202	Resp:	1193432
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.1
203	18.2	0.0	38.2

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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: 14.08 min Scan# 2039

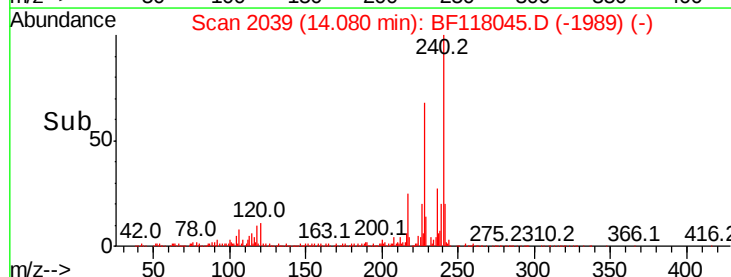
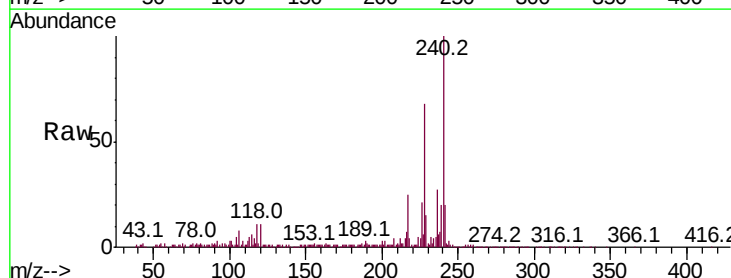
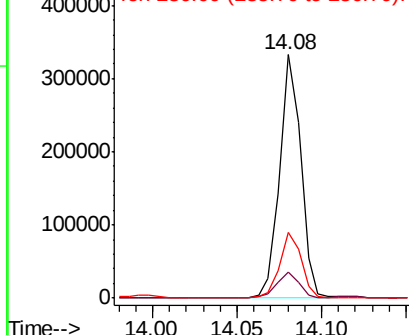
Delta R.T. -0.01 min

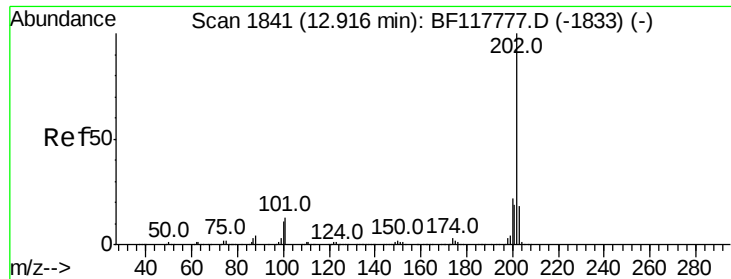
Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Tgt Ion:	240	Resp:	285226
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	27.1	21.3	31.9

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





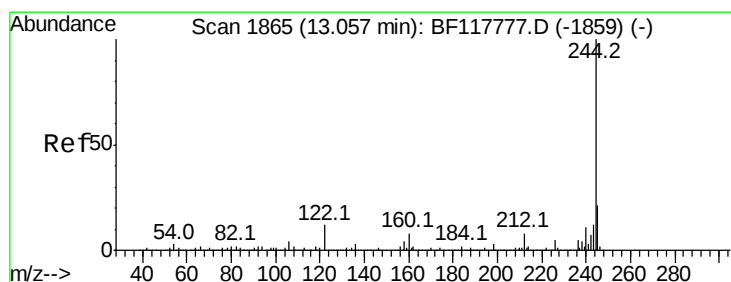
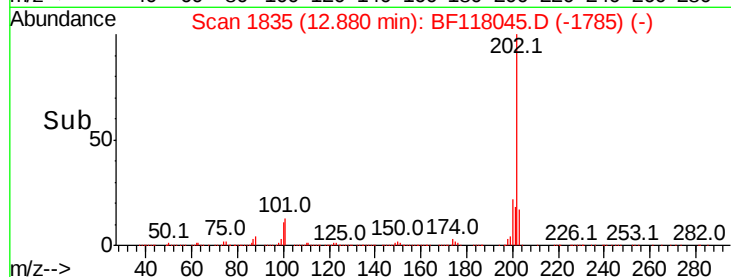
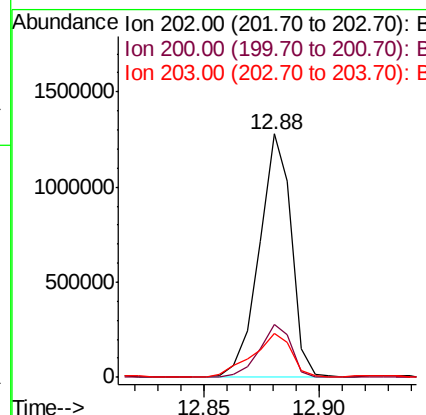
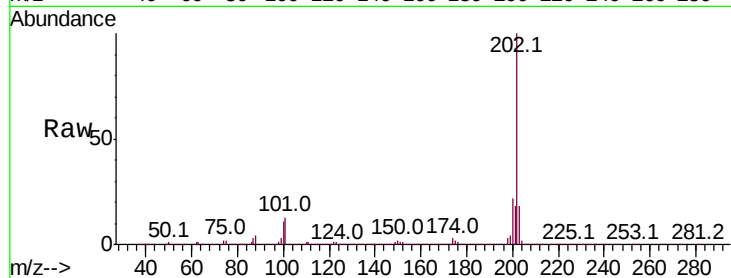
#78
Pvrene
Concen: 53.755 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.8
203	18.1	14.6	22.0

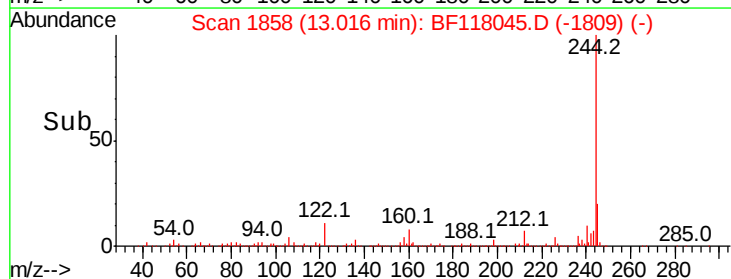
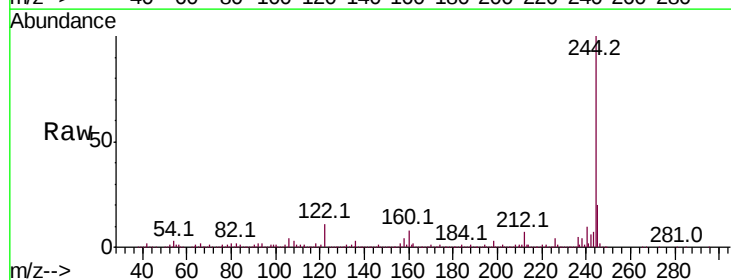
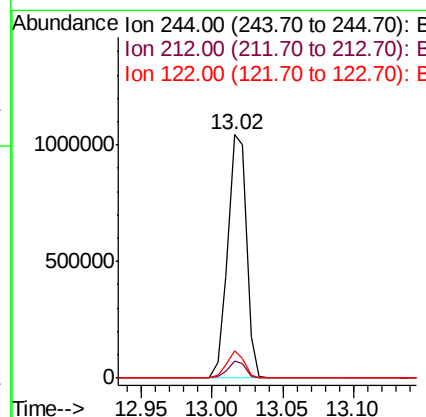
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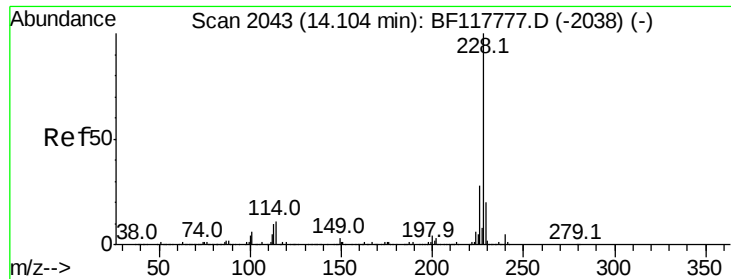
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#79
Terphenyl-d14
Concen: 62.047 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.3	9.5
122	11.5	9.4	14.2





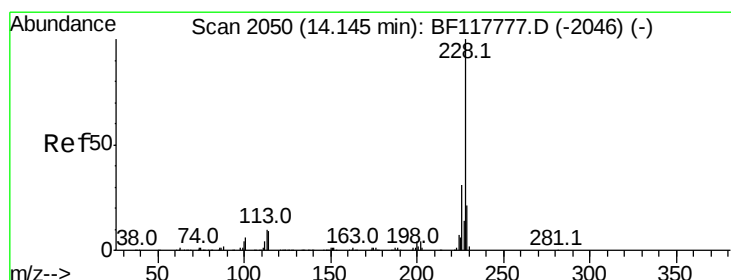
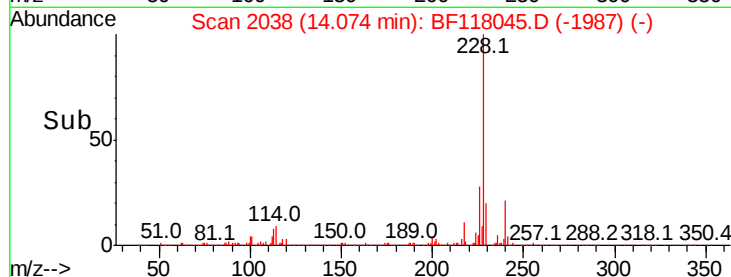
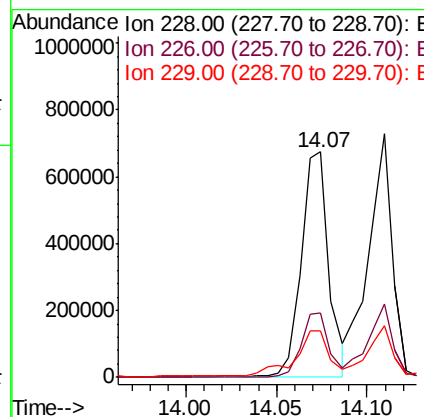
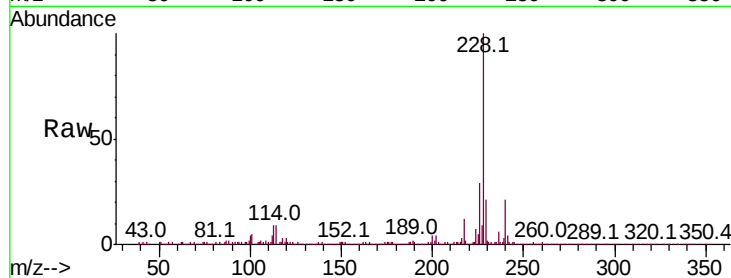
#81
Benzo(a)anthracene
Concen: 38.187 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.2
229	20.7	15.9	23.9

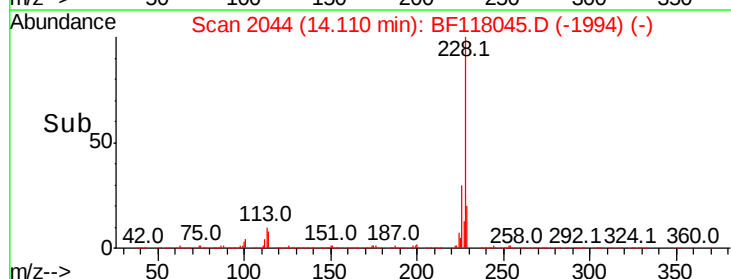
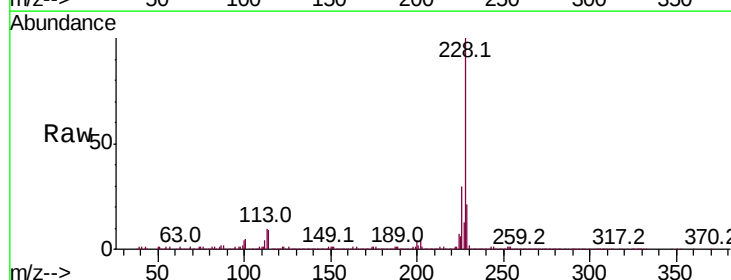
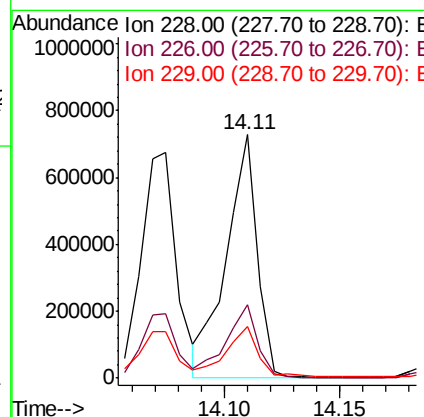
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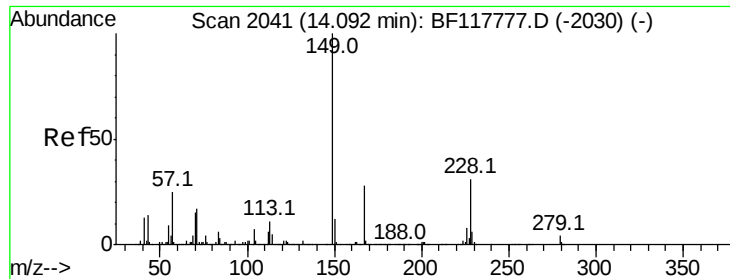
mohammad
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#83
Chrysene
Concen: 36.989 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	21.4	16.6	25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.295 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Instrument :

BNA_F

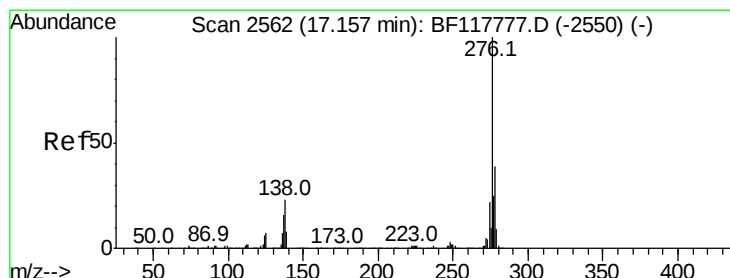
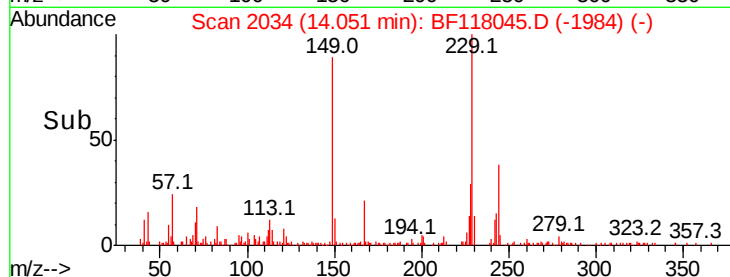
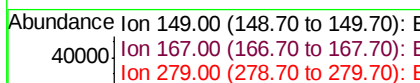
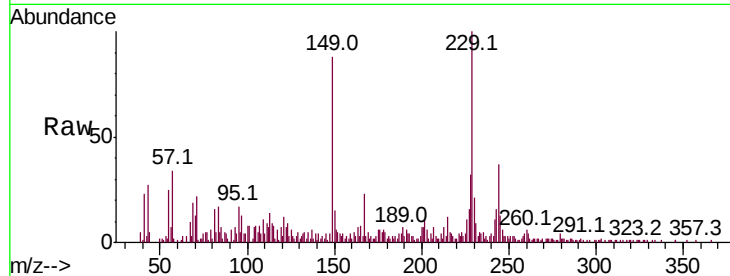
ClientSampleId :

WS-112019-0-2-COMP-B3

Tot Ion:	149	Resp:	27546
Ion Ratio	Lower	Upper	
149	100		
167	26.6	22.2	33.2
279	4.8	3.4	5.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 17.411 ng m

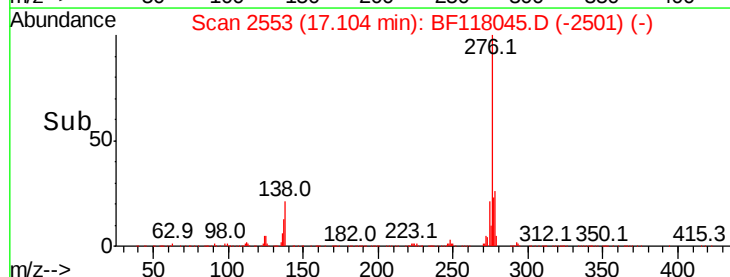
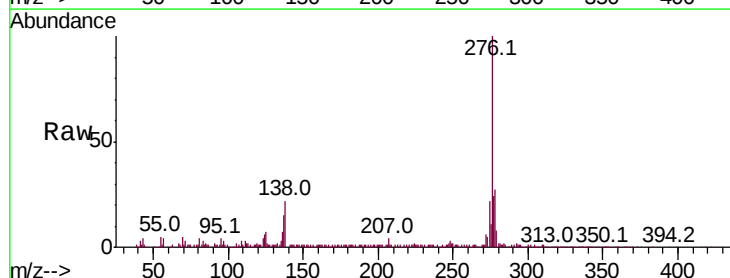
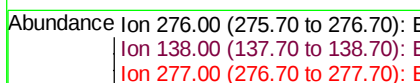
RT: 17.10 min Scan# 2553

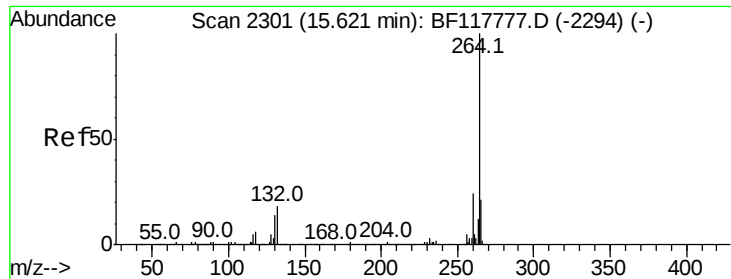
Delta R.T. 0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Tgt Ion:	276	Resp:	270635
Ion Ratio	Lower	Upper	
276	100		
138	4.7	20.9	31.3#
277	5.6	20.3	30.5#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Instrument :

BNA_F

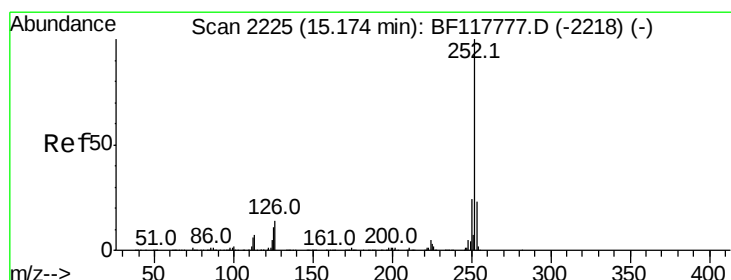
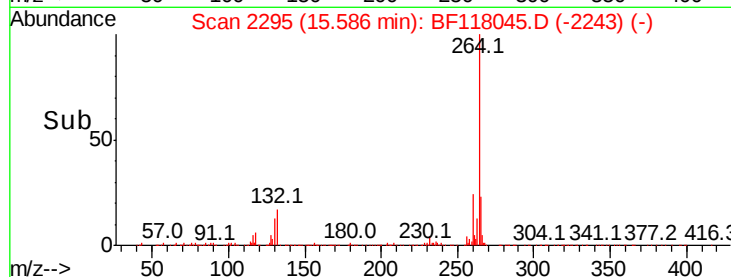
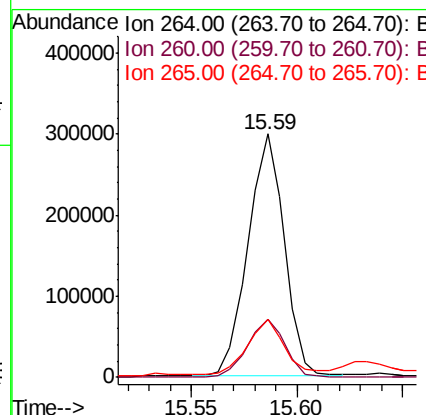
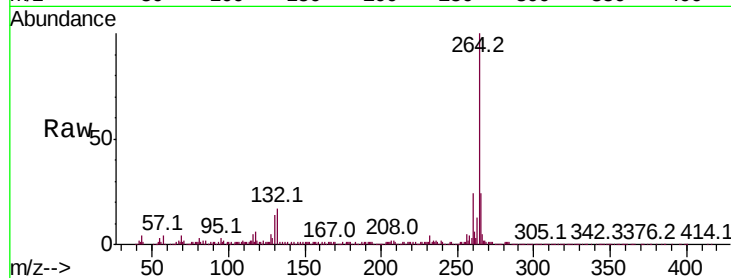
ClientSampleId :

WS-112019-0-2-COMP-B3

Tot Ion:	264	Resp:	356728
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.4	29.0
265	23.6	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 35.802 ng m

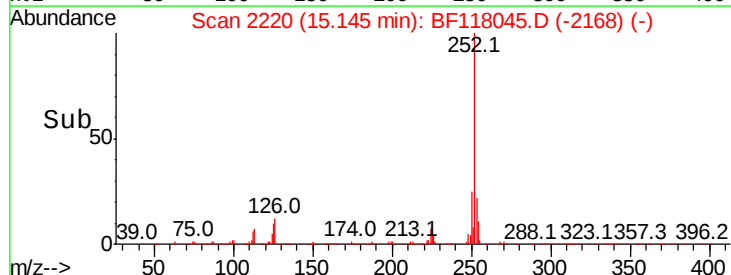
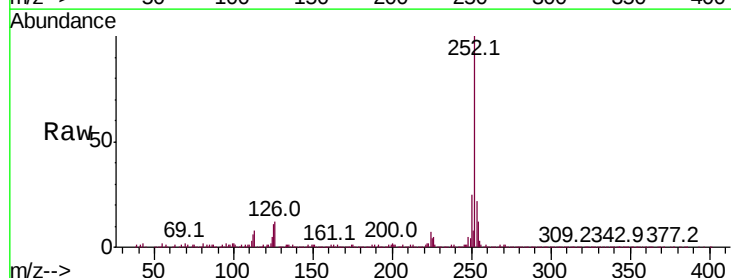
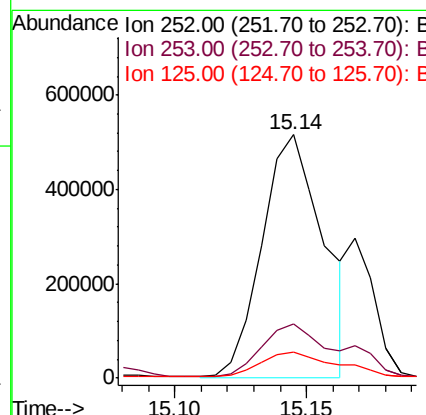
RT: 15.14 min Scan# 2220

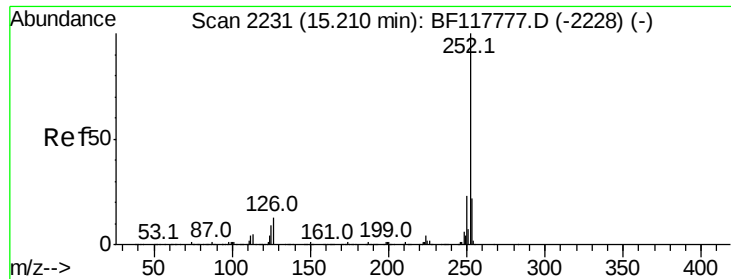
Delta R.T. 0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Tgt Ion:	252	Resp:	829773
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.0	27.0
125	10.7	8.6	13.0





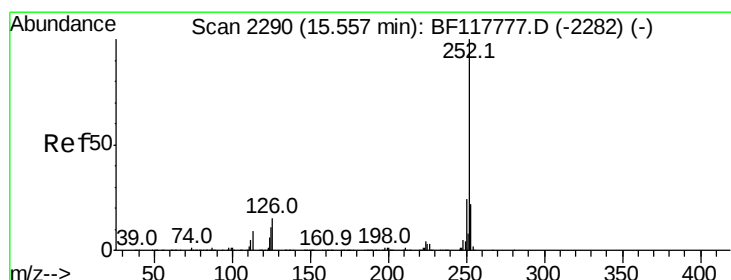
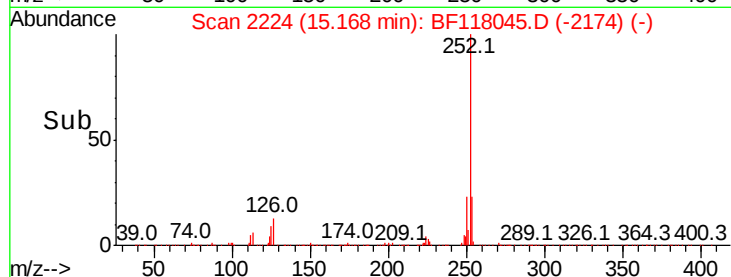
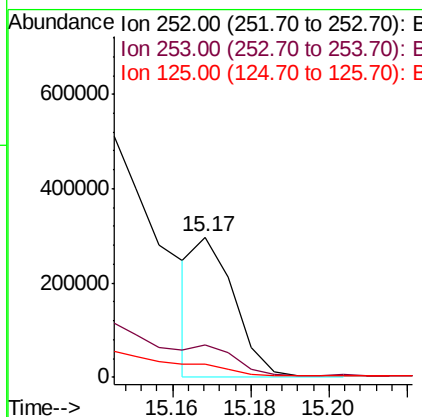
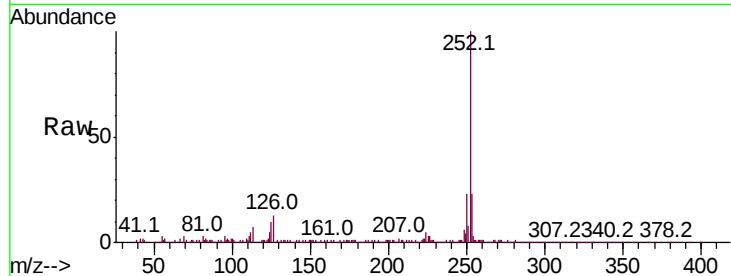
#89
Benzo(k)fluoranthene
Concen: 9.676 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Instrument :
BNA_F
ClientSampleId :
WS-112019-0-2-COMP-B3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	9.9	7.9	11.9

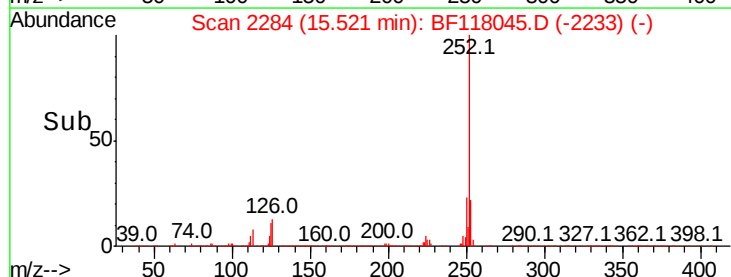
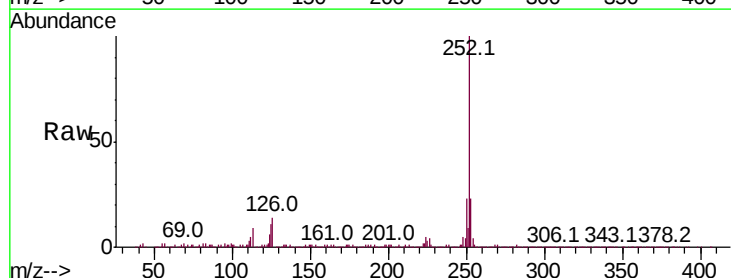
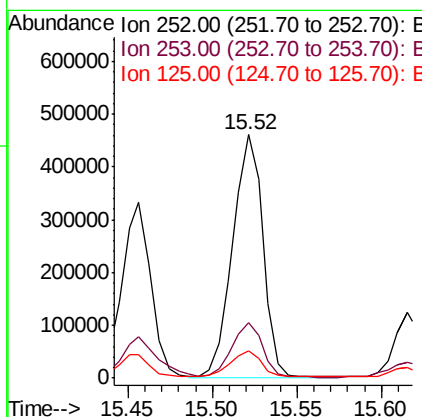
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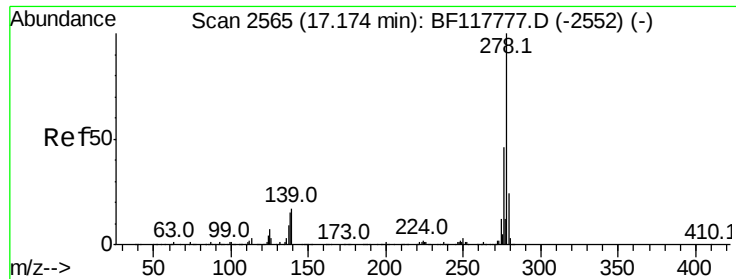
mohammad
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#90
Benzo(a)pyrene
Concen: 28.114 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF118045.D
Acq: 27 Nov 2019 17:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	11.3	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 5.064 ng

RT: 17.11 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Instrument :

BNA_F

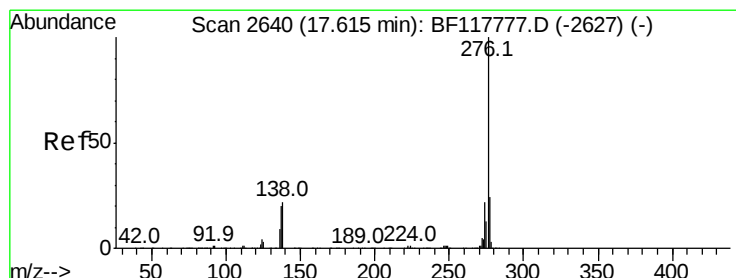
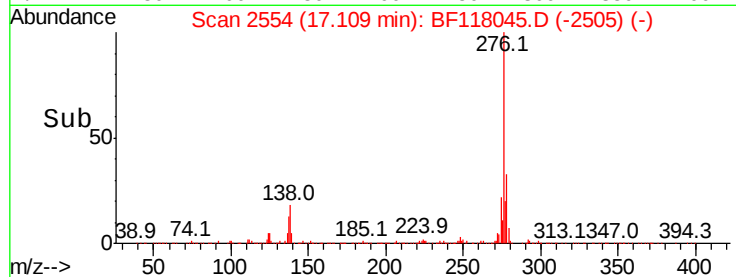
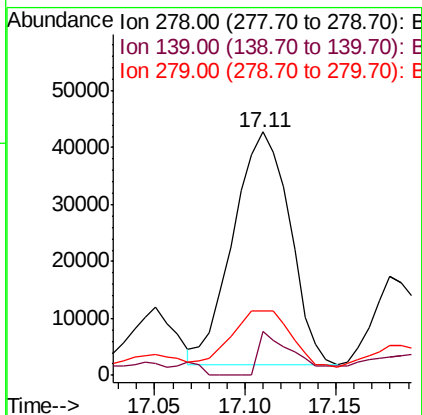
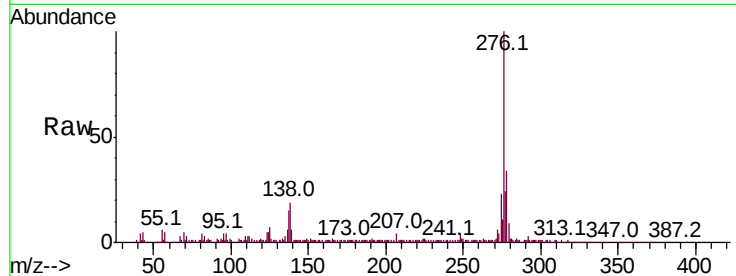
ClientSampleId :

WS-112019-0-2-COMP-B3

Tot Ion:	278	Resp:	88826
Ion Ratio	Lower	Upper	
278	100		
139	18.2	13.8	20.8
279	26.6	19.6	29.4

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 13.060 ng

RT: 17.56 min Scan# 2631

Delta R.T. 0.01 min

Lab File: BF118045.D

Acq: 27 Nov 2019 17:15

Tgt Ion:	276	Resp:	228186
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.9	28.3
138	20.6	17.4	26.2

