

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118014.D
 Acq On : 26 Nov 2019 18:28
 Operator : JU
 Sample : K5973-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Manual Integrations
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Quant Time: Nov 27 00:59:30 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	6.89	152	153039	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	557442	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	200438	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	389131	20.00	ng	0.00
76) Chrysene-d12	14.09	240	265924	20.00	ng	0.00
87) Perylene-d12	15.60	264	223158	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	660043	76.34	ng	0.01
7) Phenol-d6	6.52	99	922959	88.51	ng	0.00
23) Nitrobenzene-d5	7.46	82	512637	54.67	ng	0.00
42) 2,4,6-Tribromophenol	10.74	330	161868	76.28	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	960880	86.00	ng	0.00
79) Terphenyl-d14	13.03	244	812437	55.84	ng	0.00

Target Compounds

						Qvalue
50) Dimethylphthalate	9.65	163	164811	11.726	ng	98
52) Acenaphthene	9.97	154	30276	2.650	ng	98
58) Fluorene	10.49	166	27362	2.232	ng	98
71) Phenanthrene	11.46	178	611814	31.272	ng	98
72) Anthracene	11.52	178	108155	5.576	ng	97
73) Carbazole	11.67	167	60180	3.550	ng	96
75) Fluoranthene	12.66	202	817654	46.075	ng	98
78) Pyrene	12.89	202	725592	33.763	ng	99
81) Benzo(a)anthracene	14.08	228	363647	20.694	ng	99
83) Chrysene	14.12	228	322457	18.937	ng	97
84) Bis(2-ethylhexyl)phthalate	14.06	149	31978	2.858	ng	99
86) Indeno(1,2,3-cd)pyrene	17.12	276	138579	9.562	ng	94
88) Benzo(b)fluoranthene	15.15	252	354990m	24.484	ng	
89) Benzo(k)fluoranthene	15.18	252	119848m	8.773	ng	
90) Benzo(a)pyrene	15.53	252	231684	18.172	ng	99
91) Dibenzo(a,h)anthracene	17.13	278	38010m	3.464	ng	
92) Benzo(a,h,i)perylene	17.59	276	124303	11.373	ng	98

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

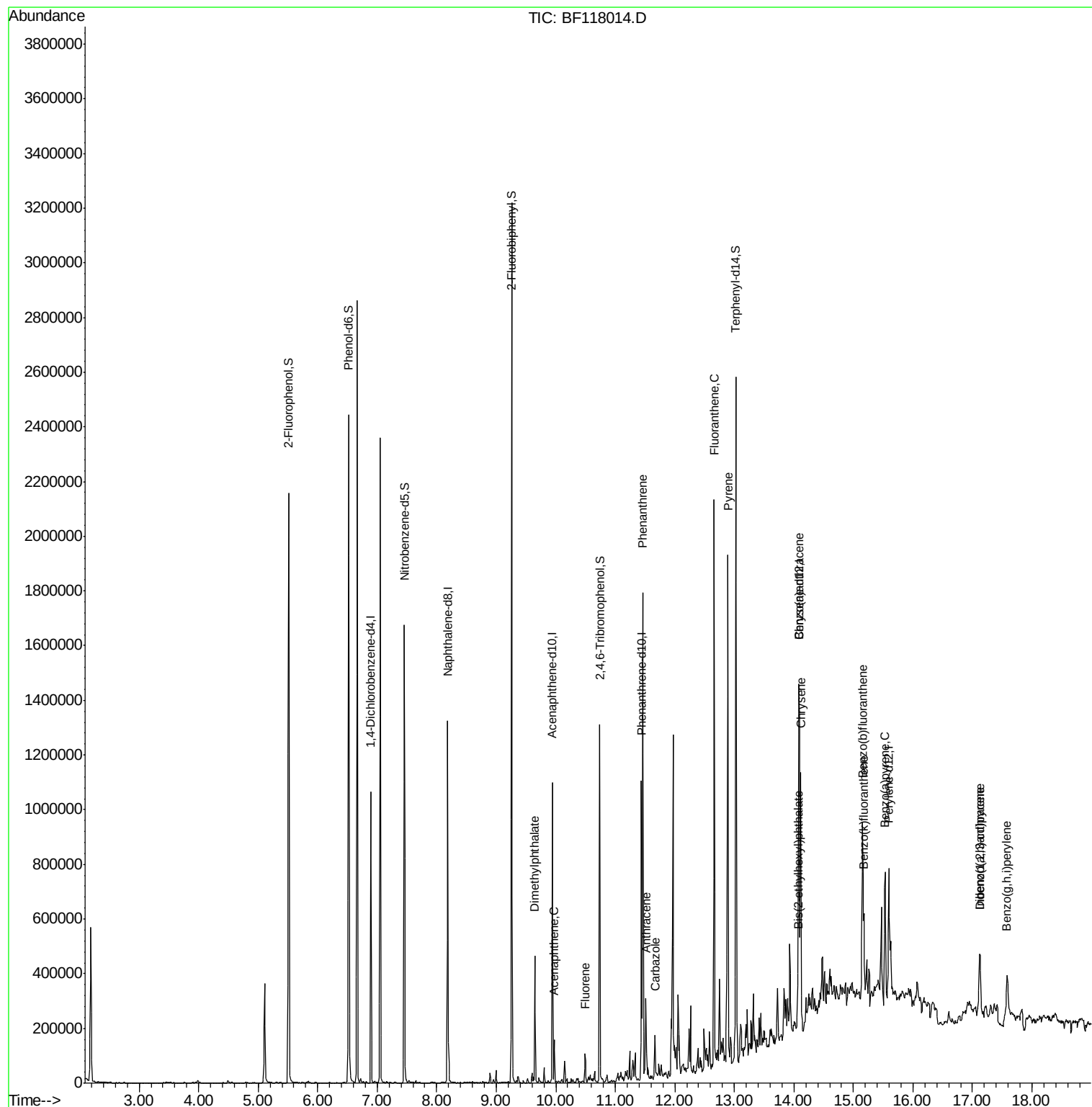
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
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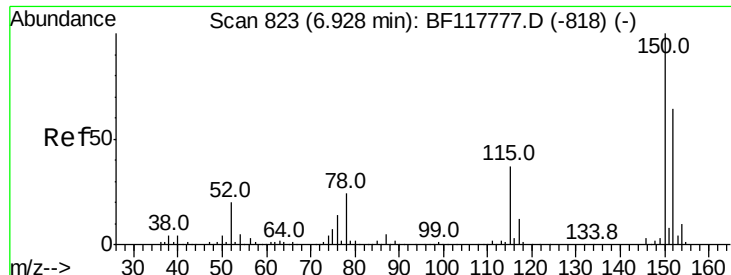
Instrument :
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#1

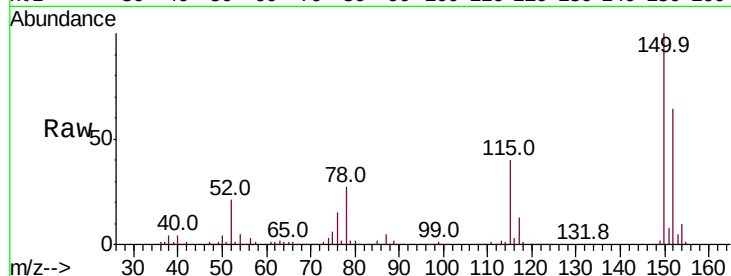
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.3	187.9
115	63.2	47.0	70.4

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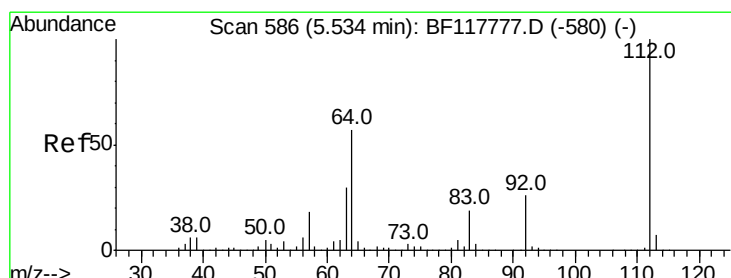
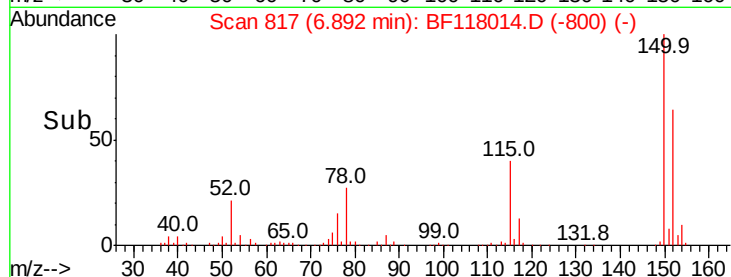
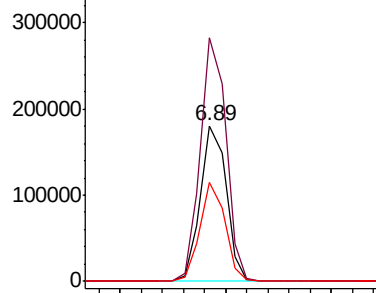


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

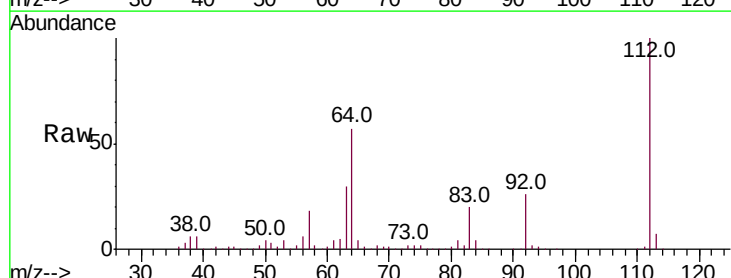
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 76.343 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.6	68.4
63	30.4	24.1	36.1

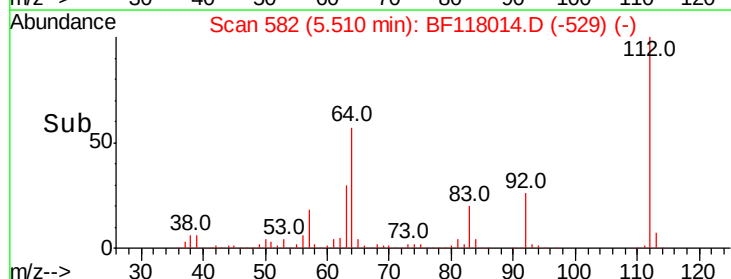
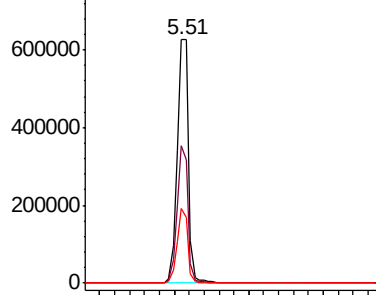


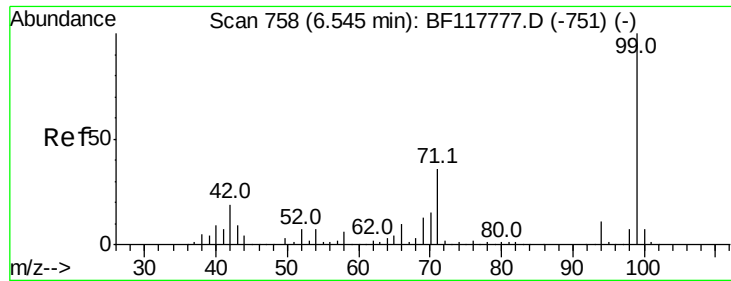
Abundance

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: 88.506 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF118014.D

Acq: 26 Nov 2019 18:28

Instrument :

BNA_F

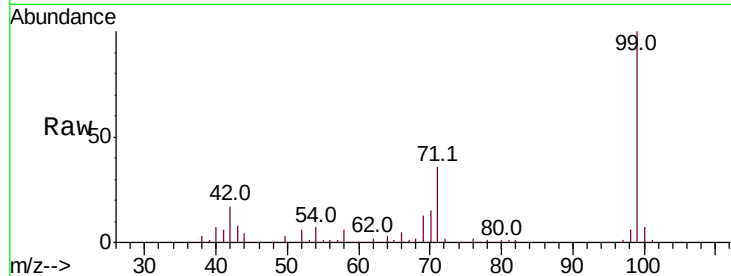
ClientSampleId :

DUCT-BANK-2

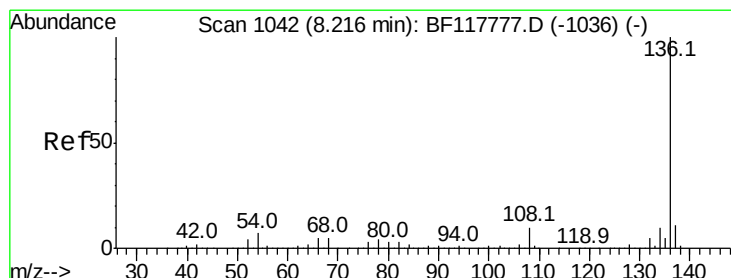
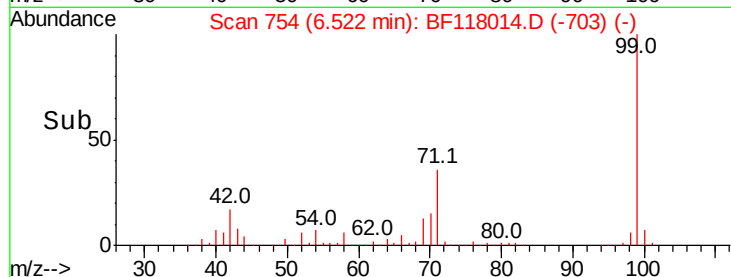
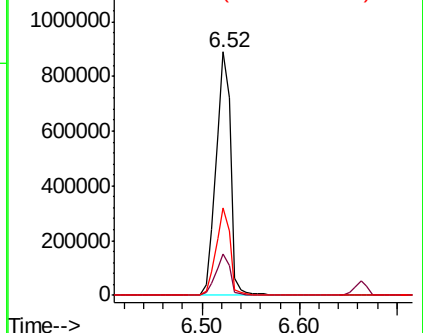
Tot Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.9	22.3
71	35.8	28.6	43.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

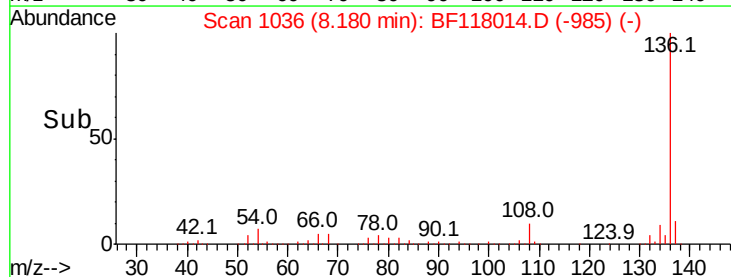
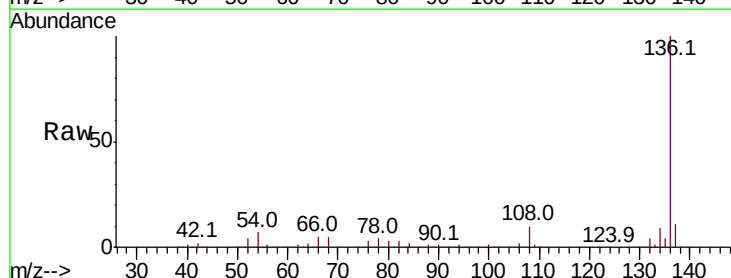
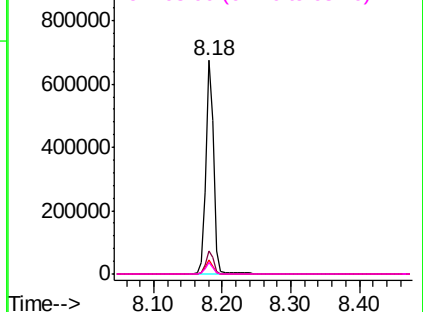
Delta R.T. -0.00 min

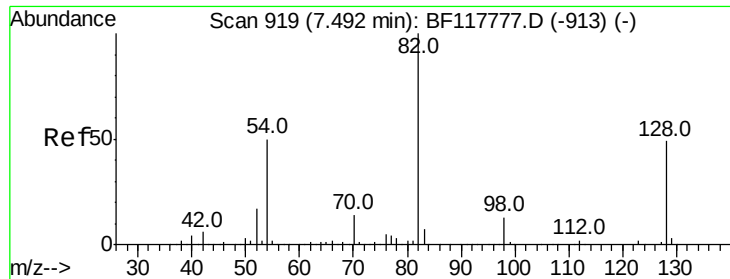
Lab File: BF118014.D

Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.9	5.4	8.2
68	5.3	4.3	6.5

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





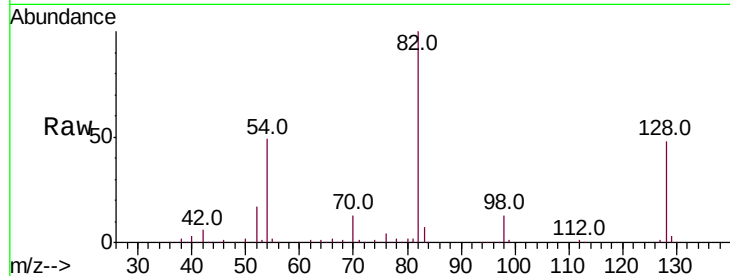
#23
Nitrobenzene-d5
Concen: 54.668 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

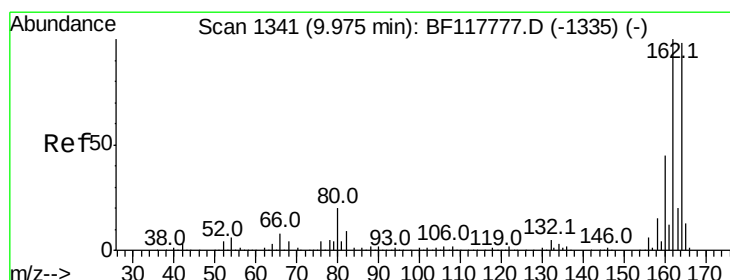
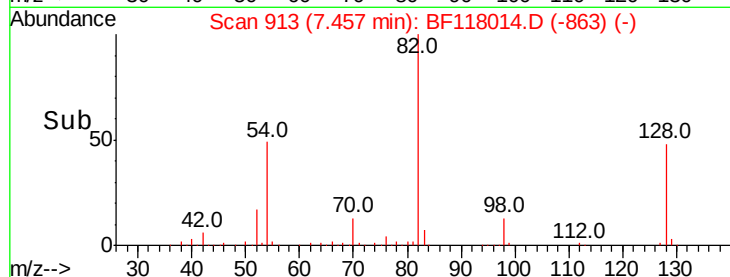
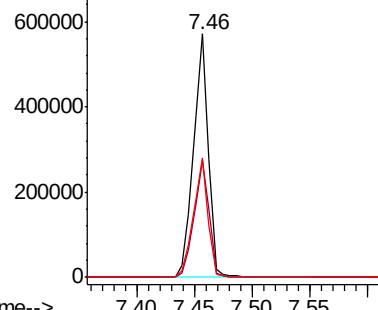
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	38.9	58.3
54	49.0	39.8	59.6

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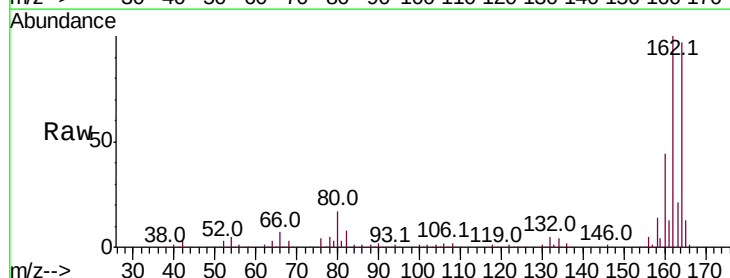


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

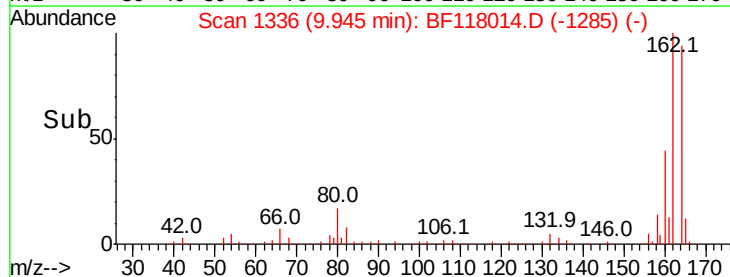
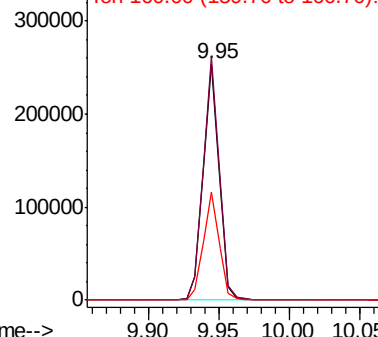


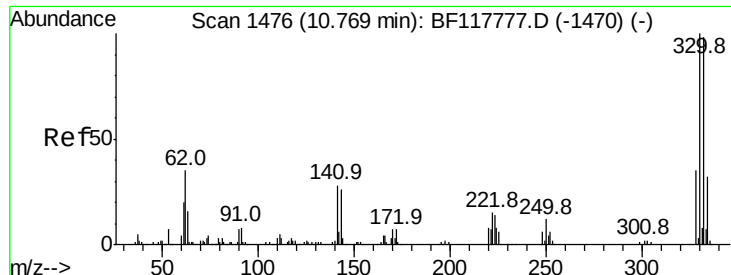
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.3	121.9
160	45.7	36.6	55.0



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: 76.280 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.00 min

Lab File: BF118014.D

Acq: 26 Nov 2019 18:28

Instrument :

BNA_F

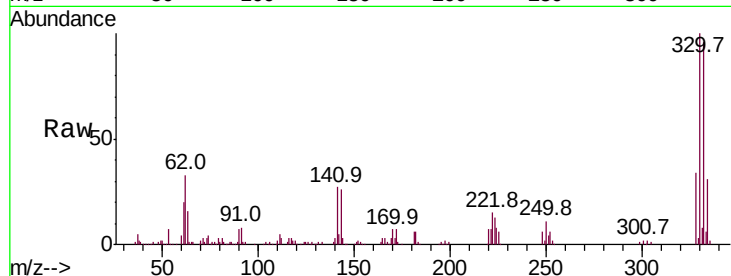
ClientSampleId :

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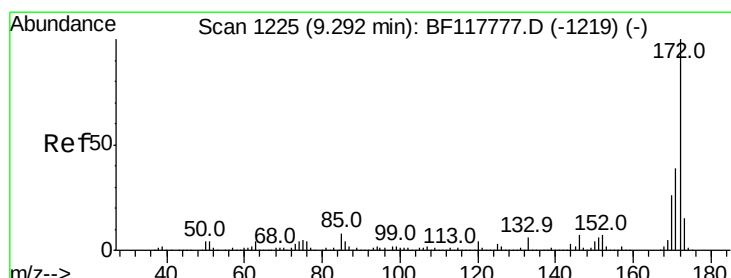
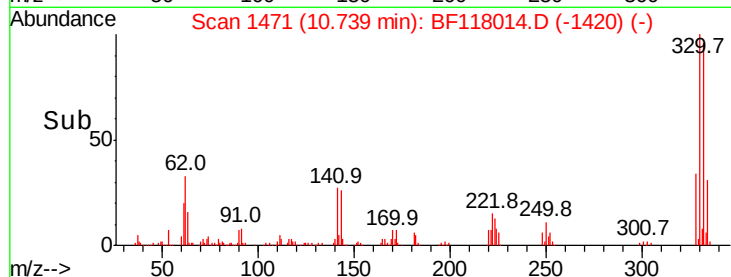
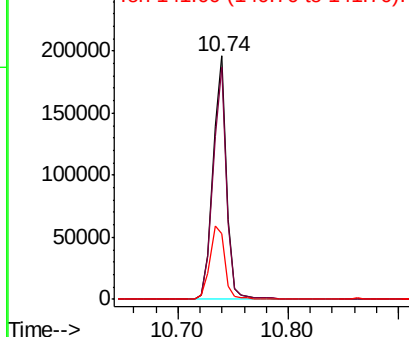
Tot Ion:	330	Resp:	161868
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.7	115.1
141	33.7	27.7	41.5

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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: 86.004 ng

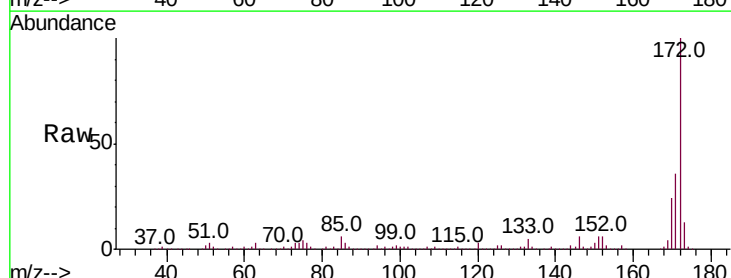
RT: 9.26 min Scan# 1220

Delta R.T. -0.00 min

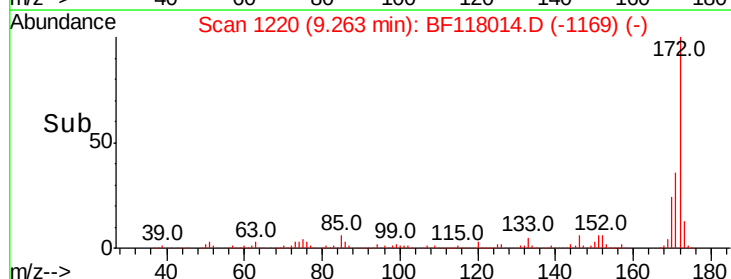
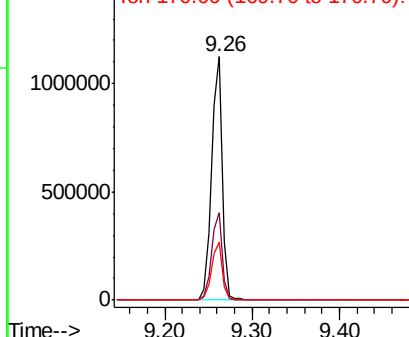
Lab File: BF118014.D

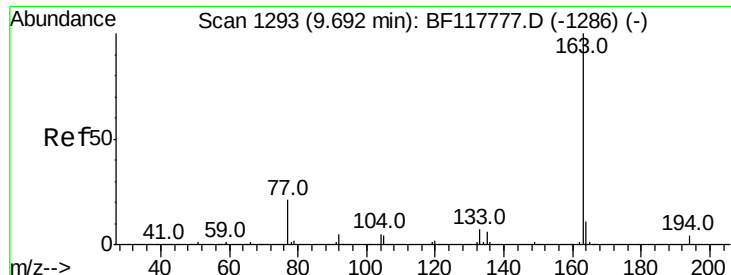
Acq: 26 Nov 2019 18:28

Tgt Ion:	172	Resp:	960880
Ion Ratio	Lower	Upper	
172	100		
171	36.0	30.9	46.3
170	23.8	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





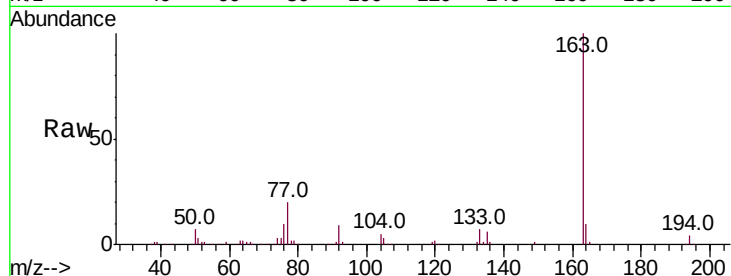
#50
Dimethylphthalate
Concen: 11.726 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

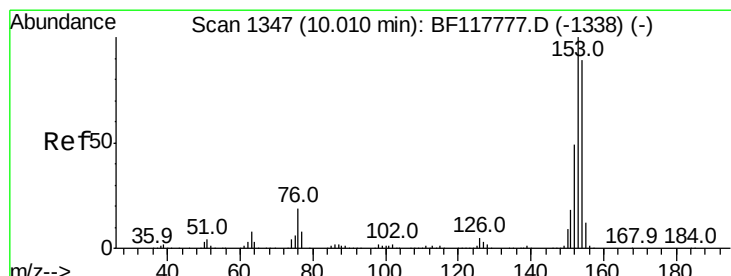
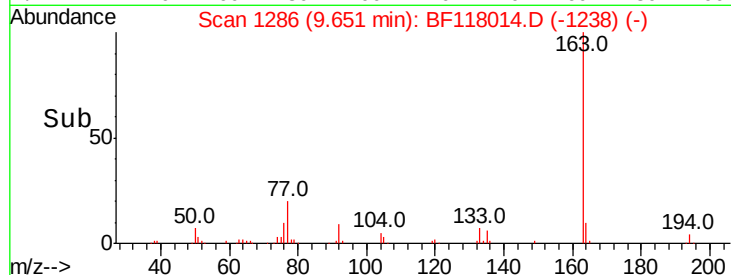
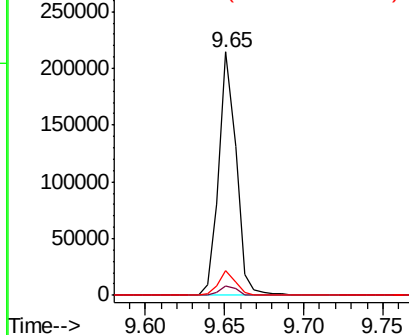
Tot Ion	Ratio	Resp	Lower	Upper
163	100	164811		
194	3.8		3.3	4.9
164	10.1		8.7	13.1

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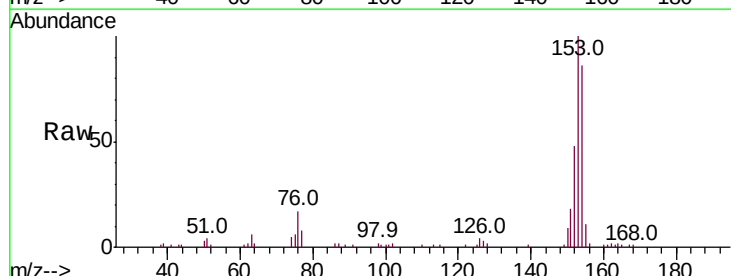


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

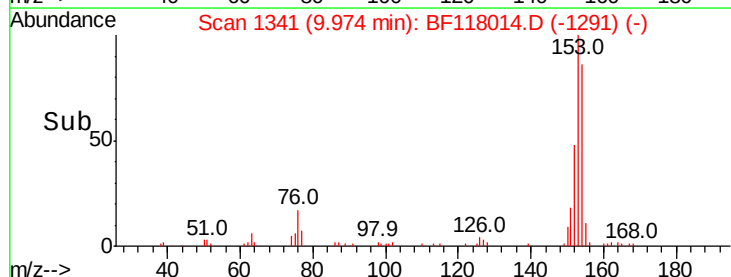
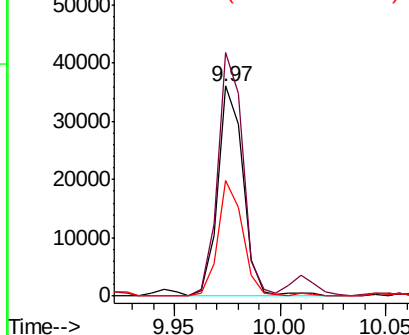


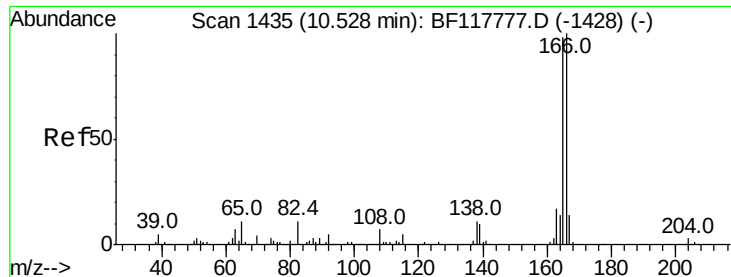
#52
Acenaphthene
Concen: 2.650 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	30276		
153	115.9		90.1	135.1
152	55.1		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





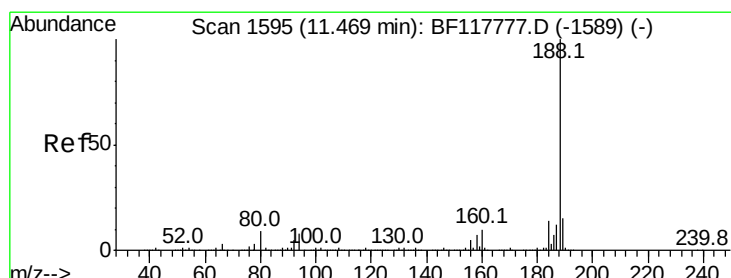
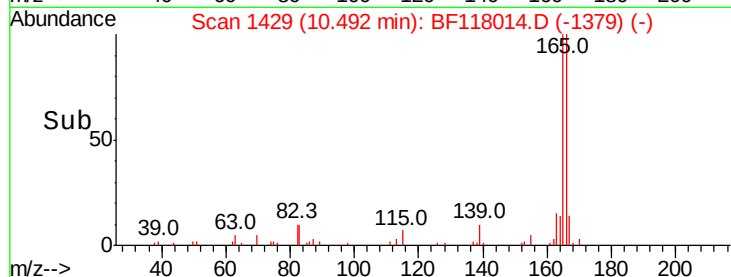
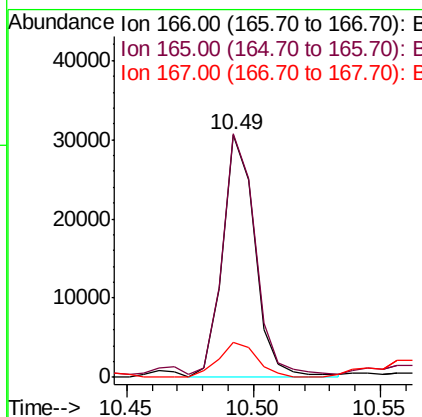
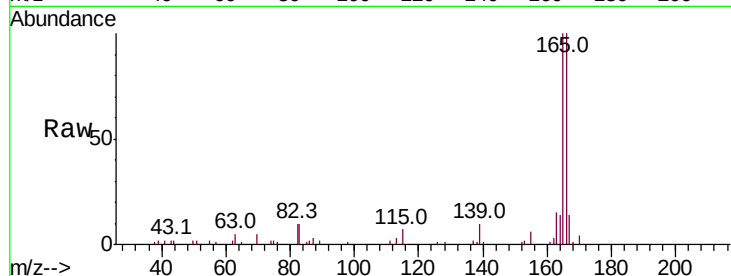
#58
 Fluorene
 Concen: 2.232 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.4	117.6
167	14.4	11.0	16.4

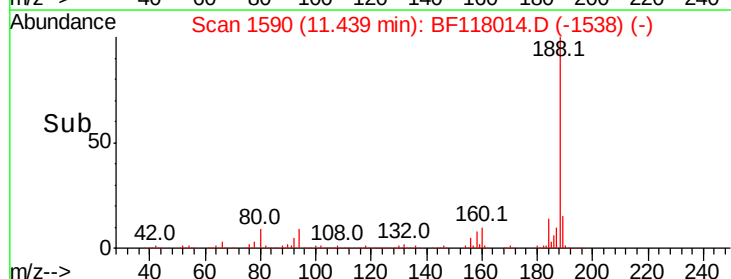
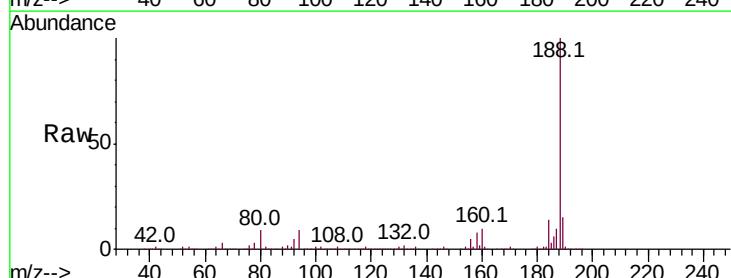
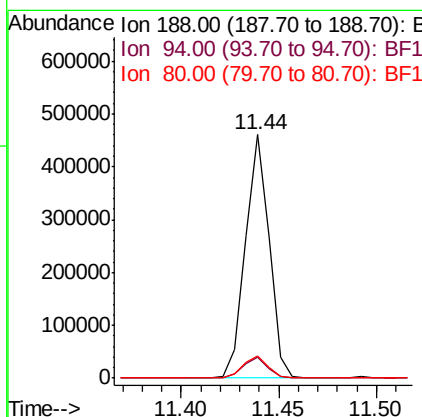
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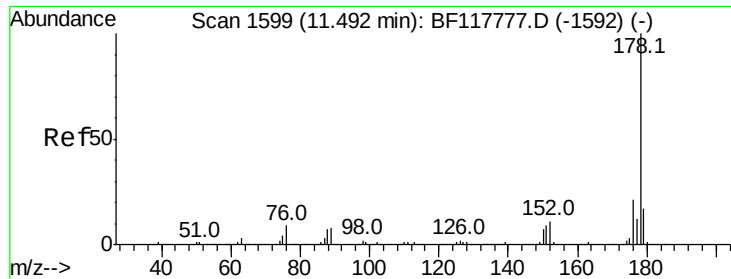
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.1	7.2	10.8





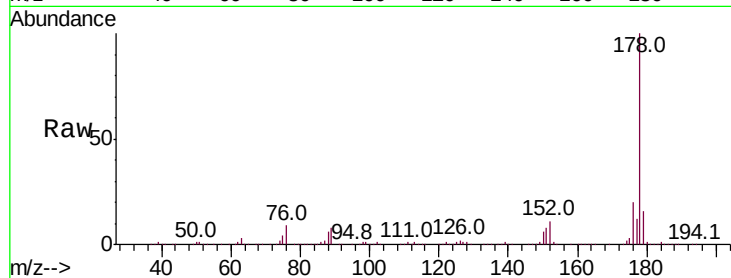
#71
Phenanthrene
Concen: 31.272 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	25.0
179	15.8	13.2	19.8

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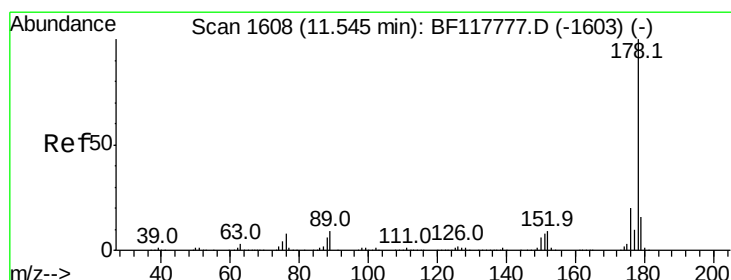
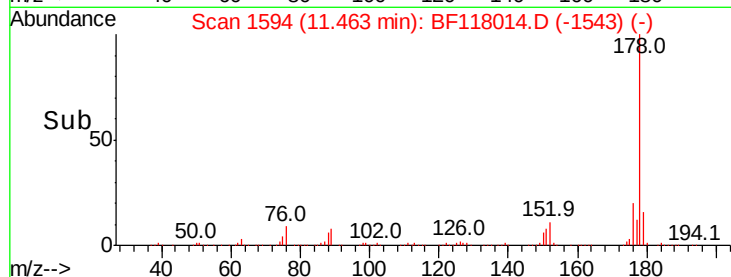
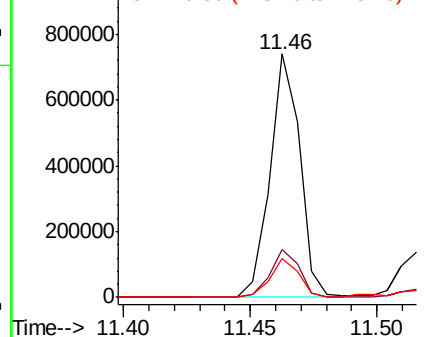


Abundance

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



#72
Anthracene
Concen: 5.576 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

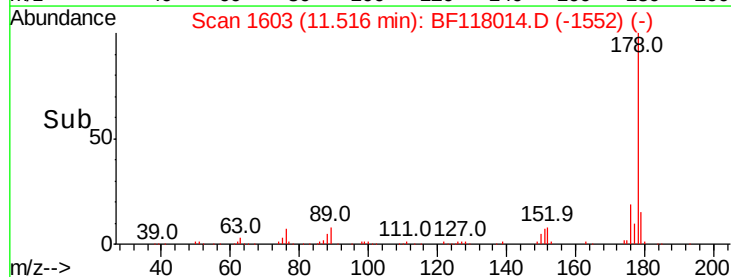
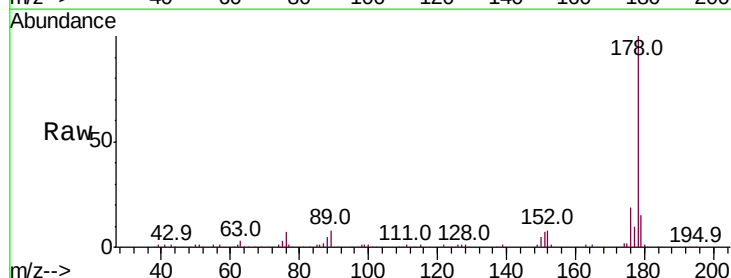
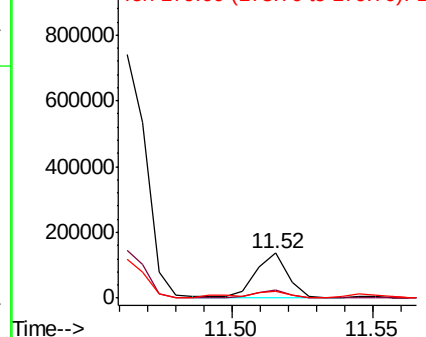
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.1	24.1
179	15.2	13.0	19.4

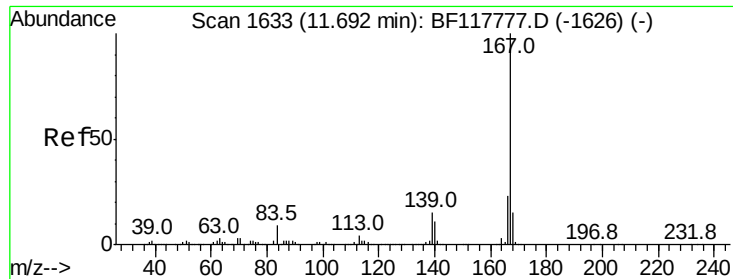
Abundance

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





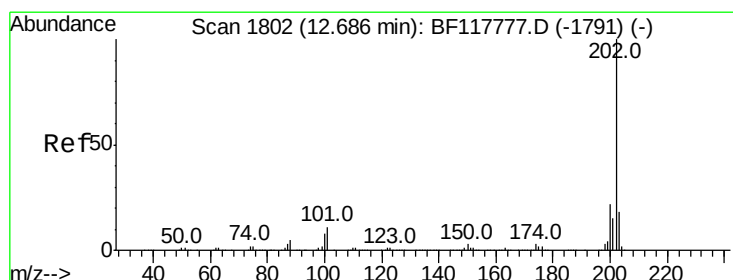
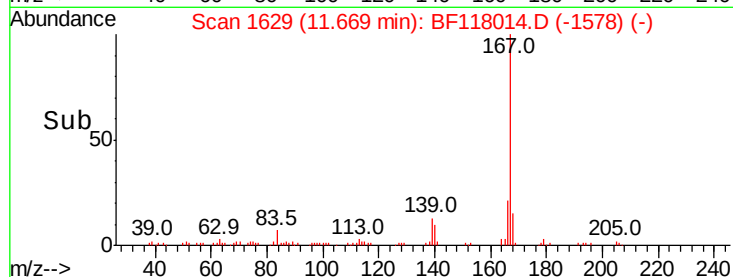
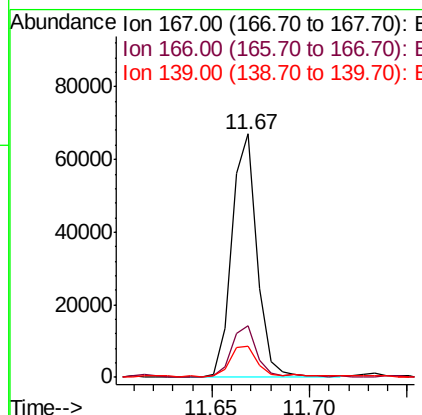
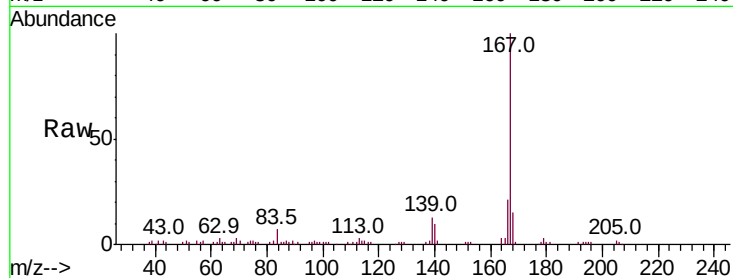
#73
 Carbazole
 Concen: 3.550 ng
 RT: 11.67 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.0	27.0
139	12.7	11.7	17.5

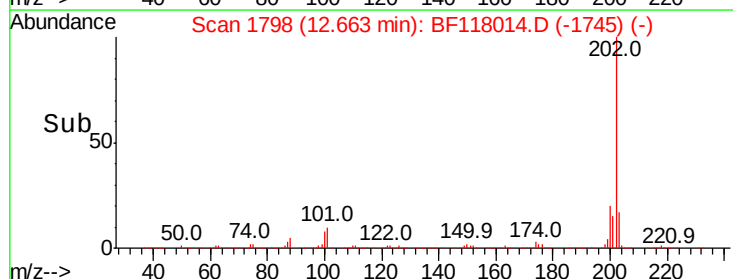
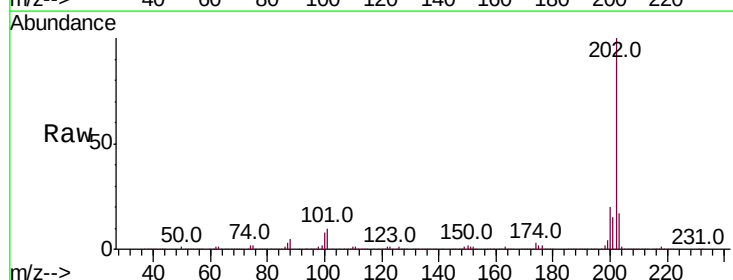
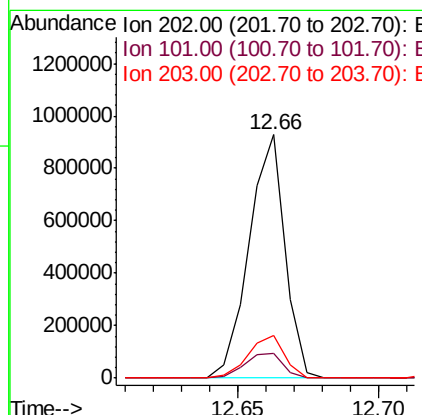
Manual Integrations
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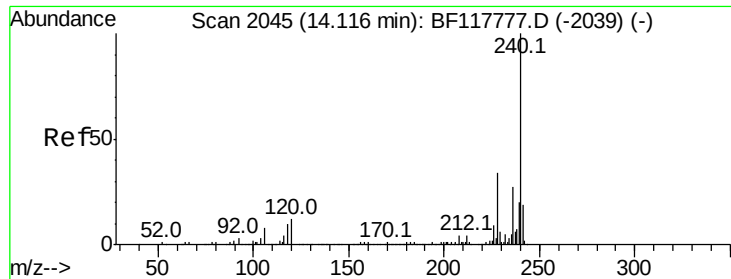
jagrut
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#75
 Fluoranthene
 Concen: 46.075 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. 0.01 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.1
203	17.3	0.0	38.2





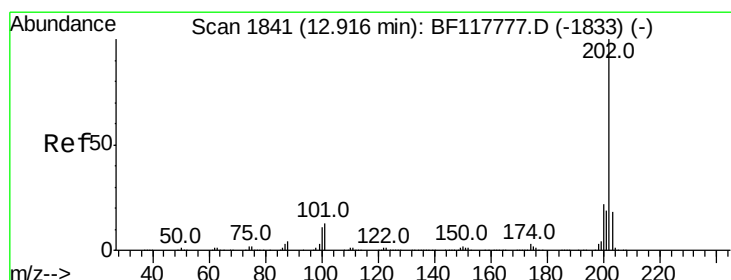
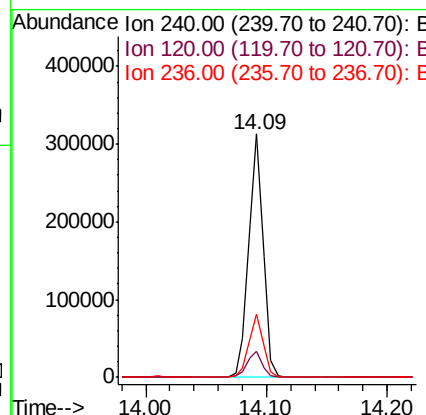
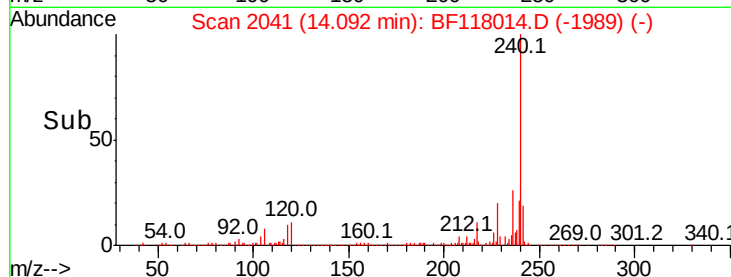
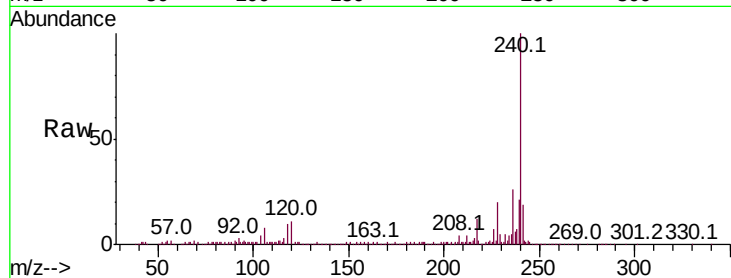
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.01 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	265924		
120	10.7		9.5	14.3
236	25.9		21.3	31.9

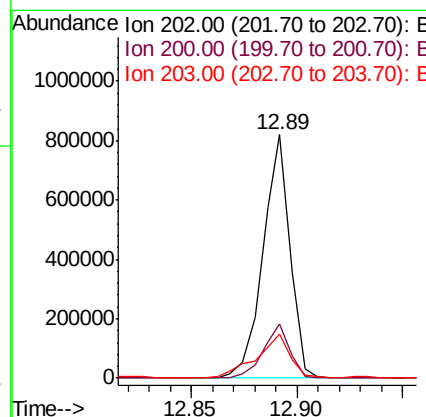
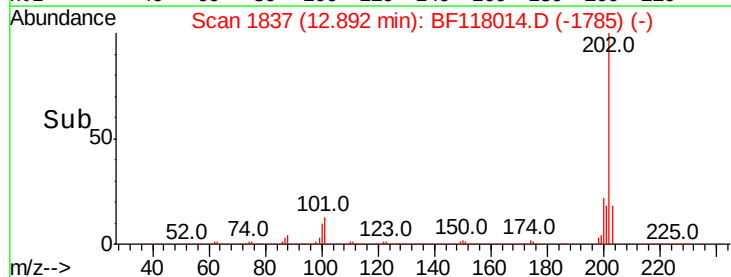
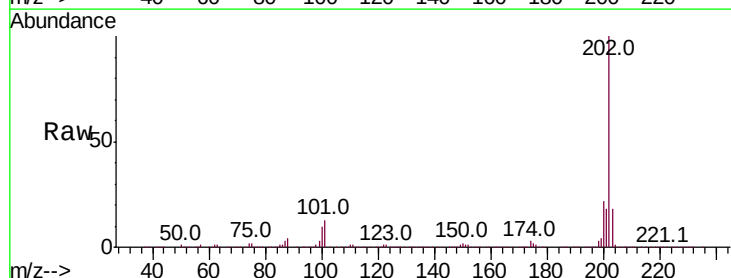
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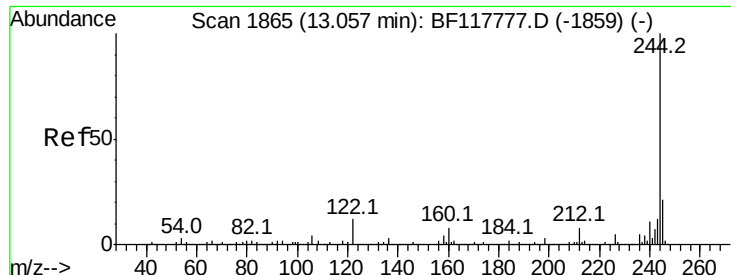
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#78
 Pyrene
 Concen: 33.763 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. 0.01 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	725592		
200	22.1		17.8	26.8
203	17.9		14.6	22.0





#79

Terphenyl-d14

Concen: 55.836 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BF118014.D

Acq: 26 Nov 2019 18:28

Instrument :

BNA_F

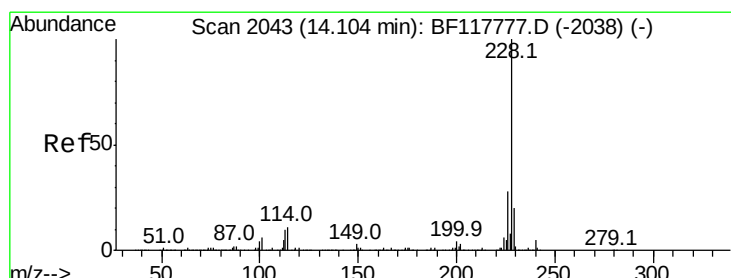
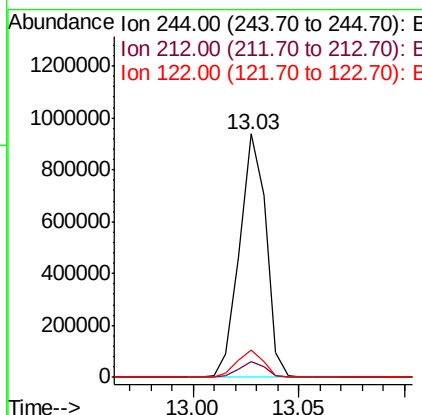
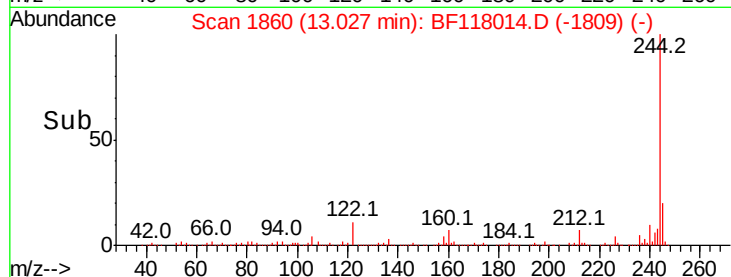
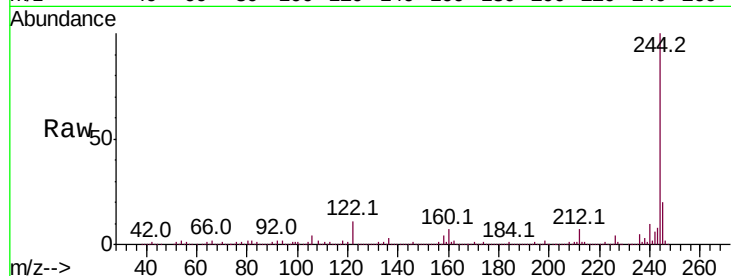
ClientSampleId :

DUCT-BANK-2

Tot Ion:	244	Resp:	812437
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.3	9.5
122	11.4	9.4	14.2

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#81

Benzo(a)anthracene

Concen: 20.694 ng

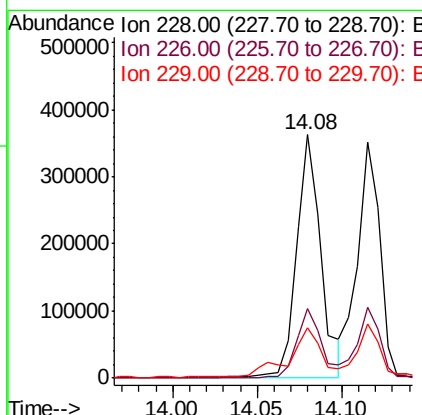
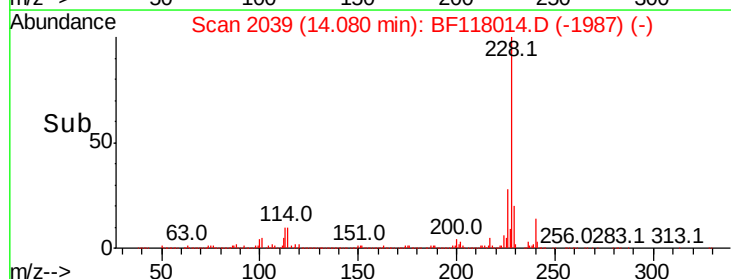
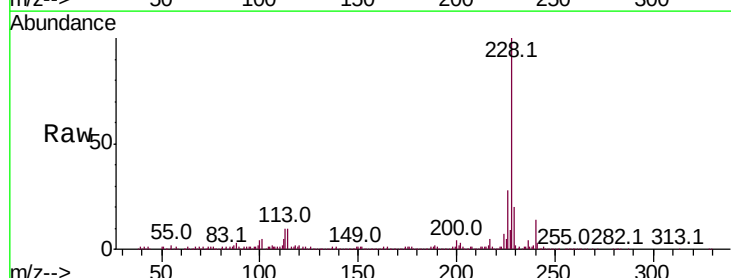
RT: 14.08 min Scan# 2039

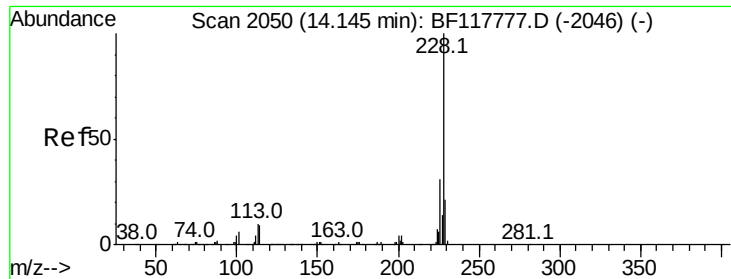
Delta R.T. 0.01 min

Lab File: BF118014.D

Acq: 26 Nov 2019 18:28

Tgt Ion:	228	Resp:	363647
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.2	33.2
229	20.5	15.9	23.9





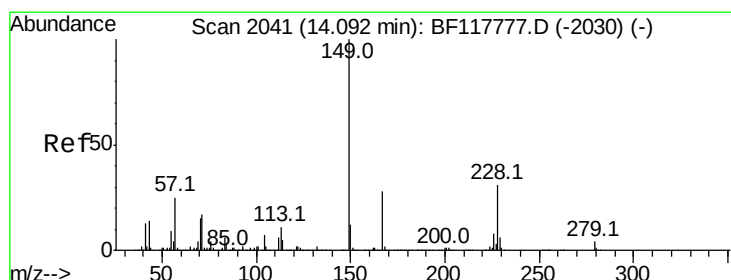
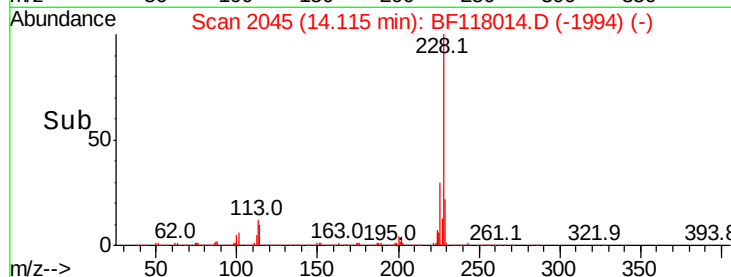
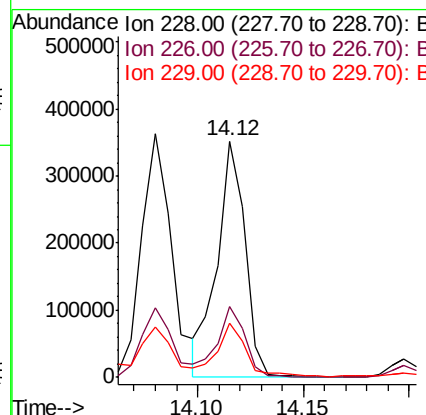
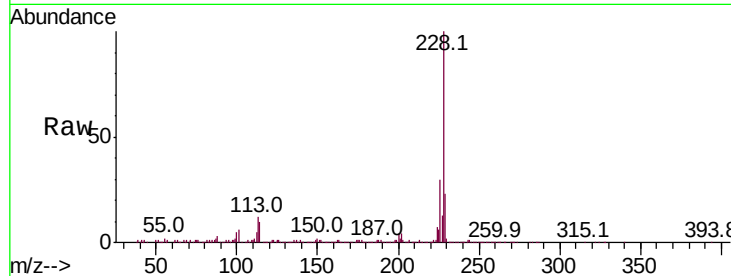
#83
 Chrysene
 Concen: 18.937 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.4
229	22.7	16.6	25.0

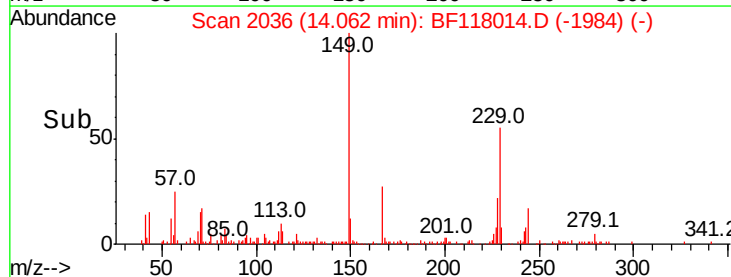
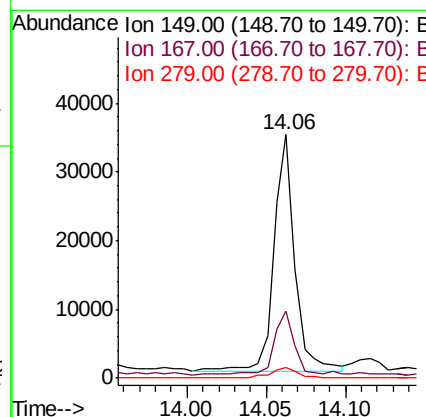
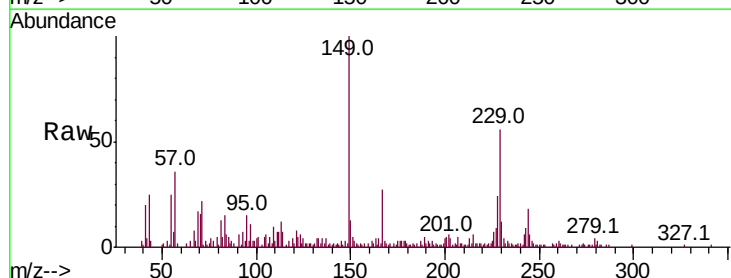
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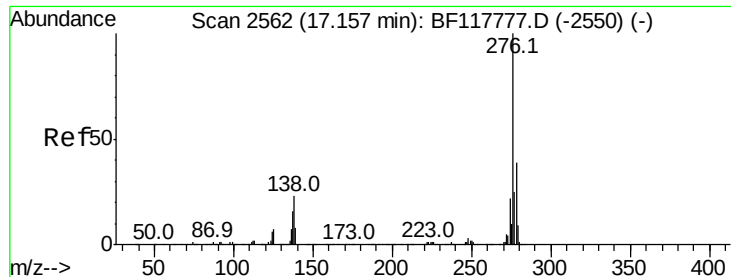
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.858 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.2
279	4.4	3.4	5.2





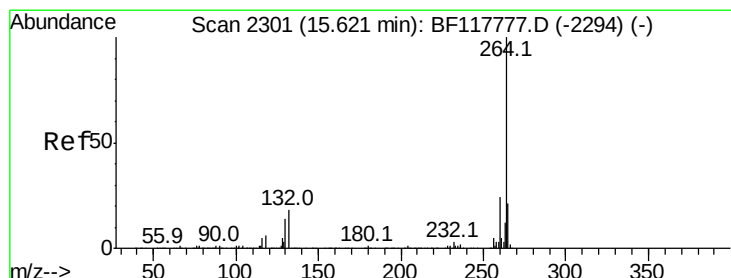
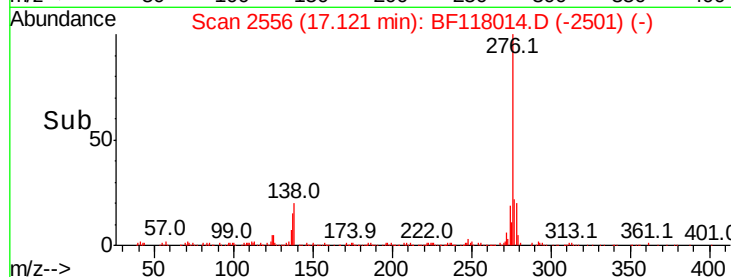
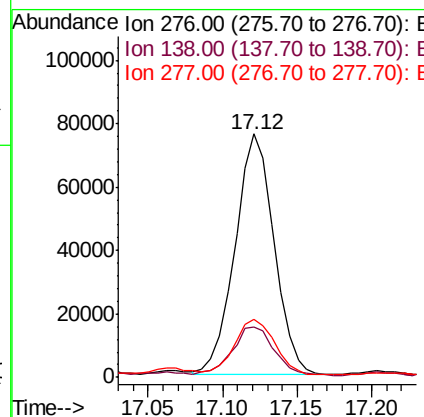
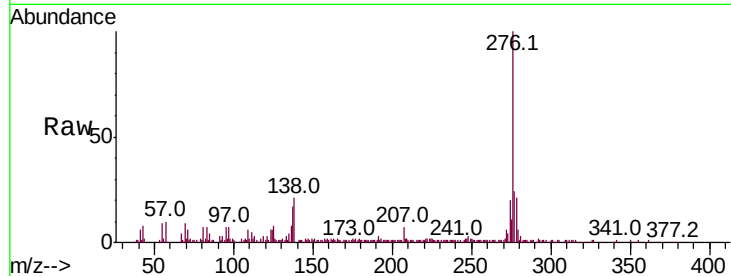
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.562 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.02 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-2

Tot Ion:	276	Resp:	138579
Ion Ratio	Lower	Upper	
276	100		
138	21.8	20.9	31.3
277	23.7	20.3	30.5

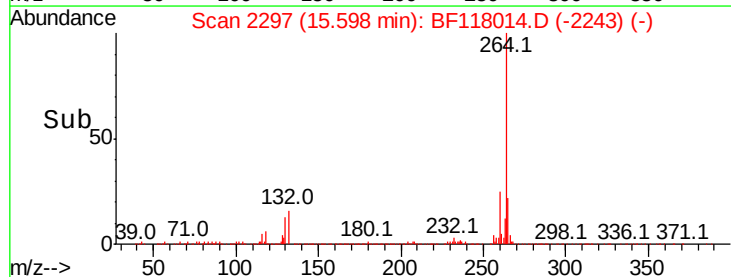
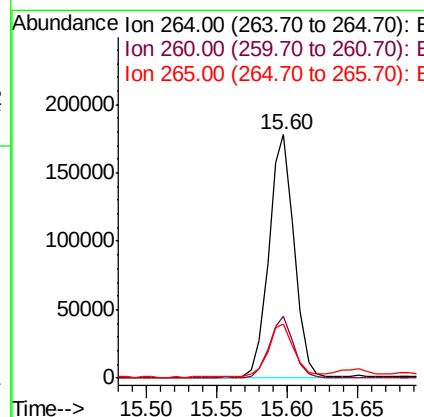
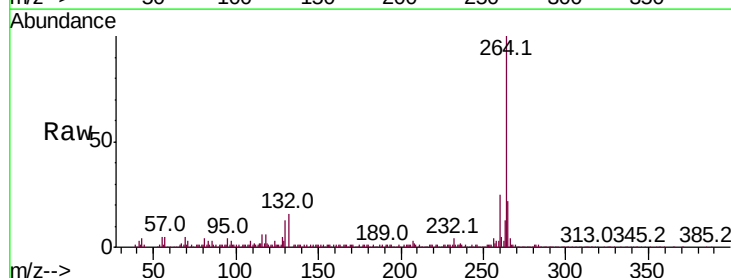
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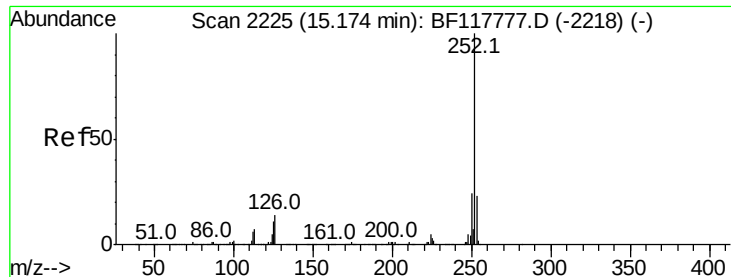
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.60 min Scan# 2297
 Delta R.T. 0.02 min
 Lab File: BF118014.D
 Acq: 26 Nov 2019 18:28

Tgt Ion:	264	Resp:	223158
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.4	29.0
265	22.4	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 24.484 ng m

RT: 15.15 min Scan# 2221

Delta R.T. 0.01 min

Lab File: BF118014.D

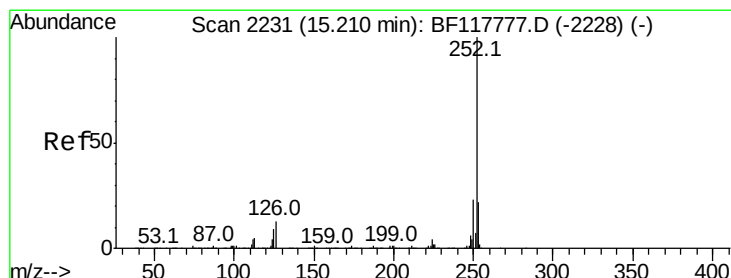
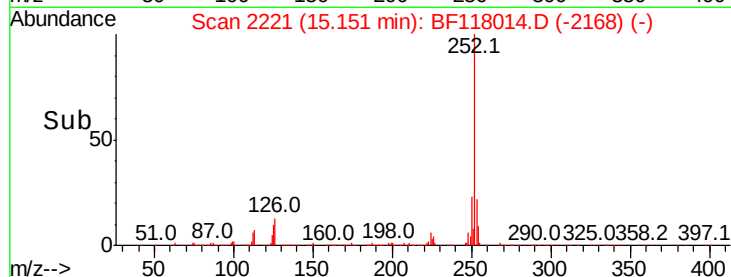
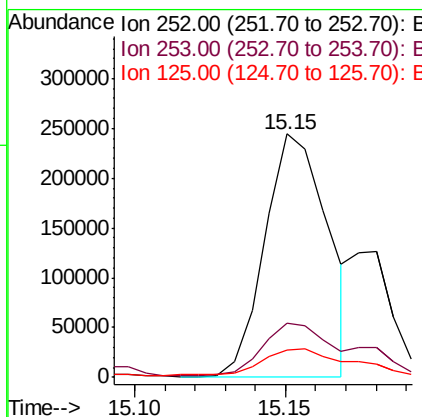
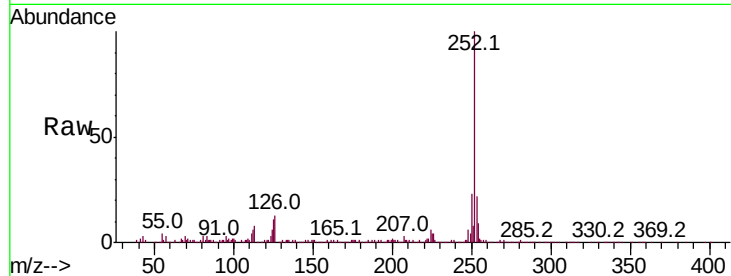
Acq: 26 Nov 2019 18:28

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.4	8.6	13.0

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 8.773 ng m

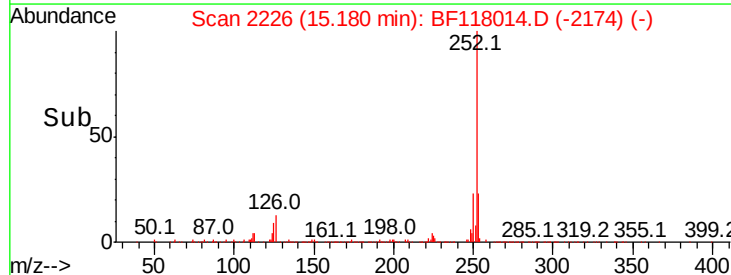
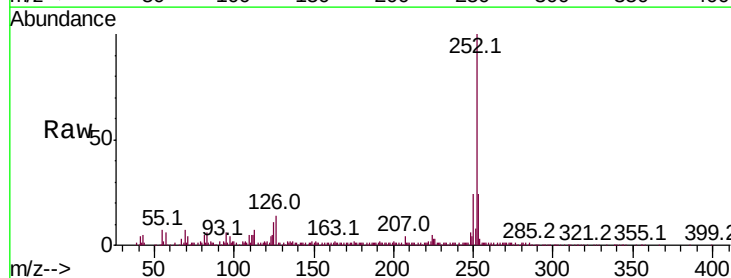
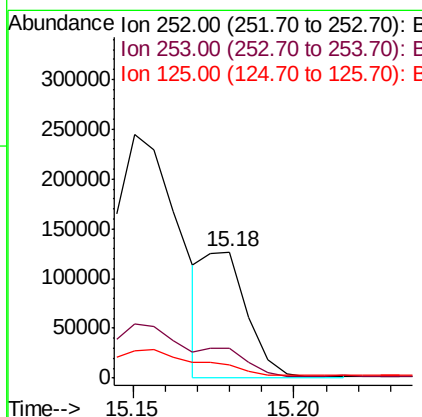
RT: 15.18 min Scan# 2226

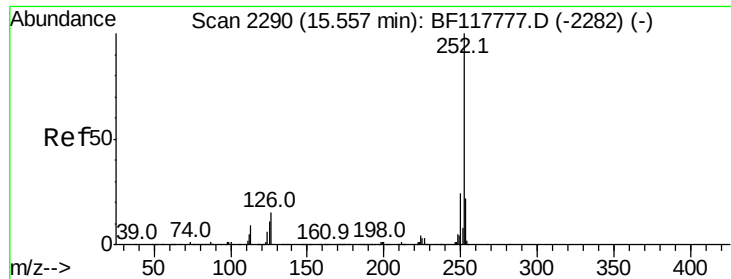
Delta R.T. 0.01 min

Lab File: BF118014.D

Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	10.9	7.9	11.9





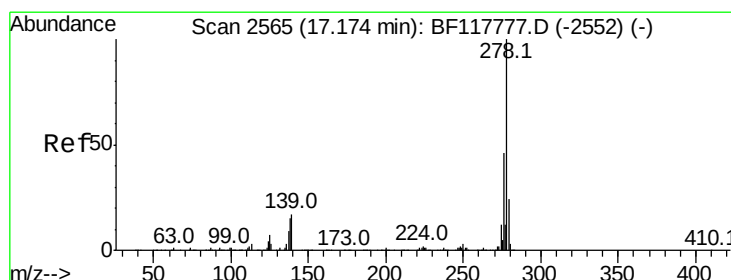
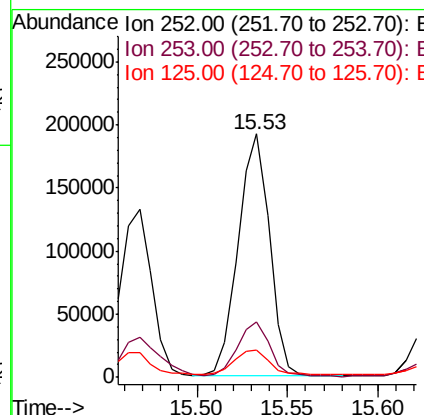
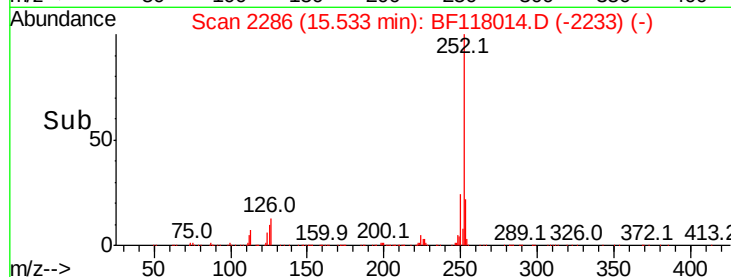
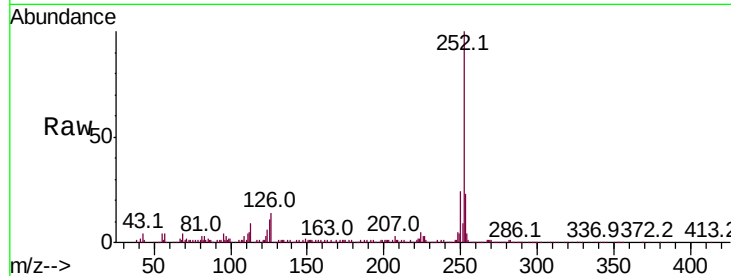
#90
Benzo(a)pyrene
Concen: 18.172 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.4	9.2	13.8

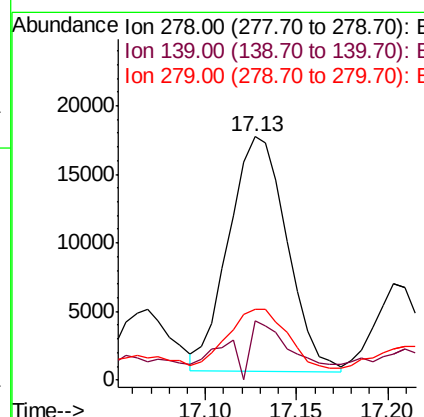
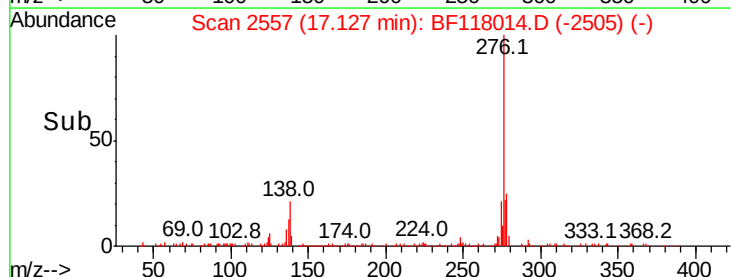
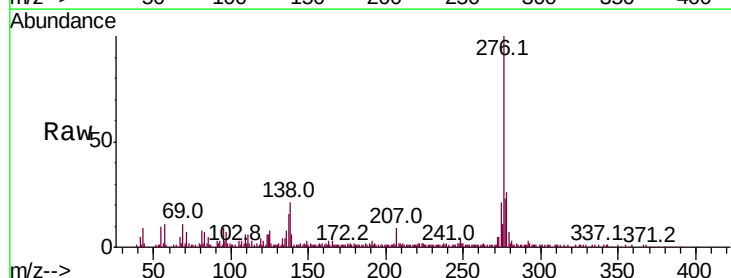
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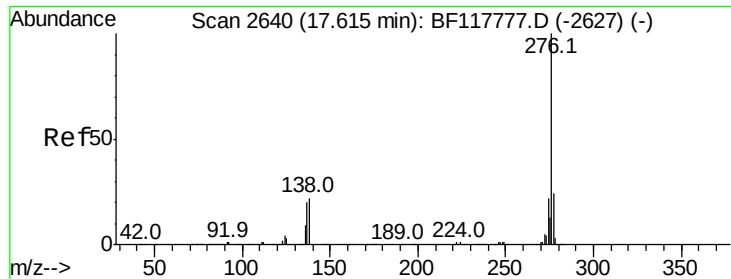
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#91
Dibenzo(a,h)anthracene
Concen: 3.464 ng m
RT: 17.13 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BF118014.D
Acq: 26 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.2	13.8	20.8#
279	29.1	19.6	29.4





#92

Benzo(a,h,i)perylene

Concen: 11.373 ng

RT: 17.59 min Scan# 2635

Delta R.T. 0.03 min

Lab File: BF118014.D

Acq: 26 Nov 2019 18:28

Instrument :

BNA_F

ClientSampleId :

DUCT-BANK-2

Tot Ion:	276	Resp:	124303
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.9	28.3
138	20.8	17.4	26.2

Manual Integrations
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