

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111968.D
 Acq On : 9 Jan 2019 23:48
 Operator : JU/SJ
 Sample : K1075-19RE 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BASIN-10RE

Manual Integrations
 APPROVED

Sohil
 1/10/2019 11:46:08 AM

Quant Time: Jan 10 03:23:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	127504	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	435986	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	189562	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	265618	20.00	ng	0.00
76) Chrysene-d12	14.06	240	250504	20.00	ng	0.00
87) Perylene-d12	15.55	264	109209	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	346375	46.48	ng	0.00
7) Phenol-d6	6.52	99	441711	45.98	ng	-0.01
23) Nitrobenzene-d5	7.44	82	251560	30.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	87474	35.48	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	452706	34.82	ng	-0.01
79) Terphenyl-d14	13.00	244	427802	32.42	ng	0.00
Target Compounds						
10) Phenol	6.53	94	26296	2.519	ng	Qvalue 85
31) Naphthalene	8.19	128	64766	3.129	ng	97
50) Dimethylphthalate	9.63	163	51186	3.595	ng	99
52) Acenaphthene	9.96	154	89976	7.586	ng	97
55) Dibenzofuran	10.13	168	64630	3.747	ng	96
58) Fluorene	10.47	166	80062	6.379	ng	98
71) Phenanthrene	11.44	178	788341	55.512	ng	100
72) Anthracene	11.49	178	240754	16.700	ng	98
73) Carbazole	11.64	167	88417	6.305	ng	98
75) Fluoranthene	12.64	202	956197	65.588	ng	99
78) Pyrene	12.86	202	782234	45.383	ng	99
80) Butylbenzylphthalate	13.47	149	50564	6.939	ng	96
81) Benzo(a)anthracene	14.05	228	568196	39.412	ng	99
83) Chrysene	14.09	228	415406	30.220	ng	96
84) Bis(2-ethylhexyl)phthalate	14.03	149	102593	10.720	ng	# 98
86) Indeno(1,2,3-cd)pyrene	17.05	276	89630	8.944	ng	# 94
88) Benzo(b)fluoranthene	15.12	252	408845m	62.583	ng	
89) Benzo(k)fluoranthene	15.14	252	172122m	28.029	ng	
90) Benzo(a)pyrene	15.49	252	199060	34.655	ng	99
91) Dibenzo(a,h)anthracene	17.06	278	22780	4.931	ng	# 87
92) Benzo(g,h,i)perylene	17.52	276	78346	17.338	ng	95

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

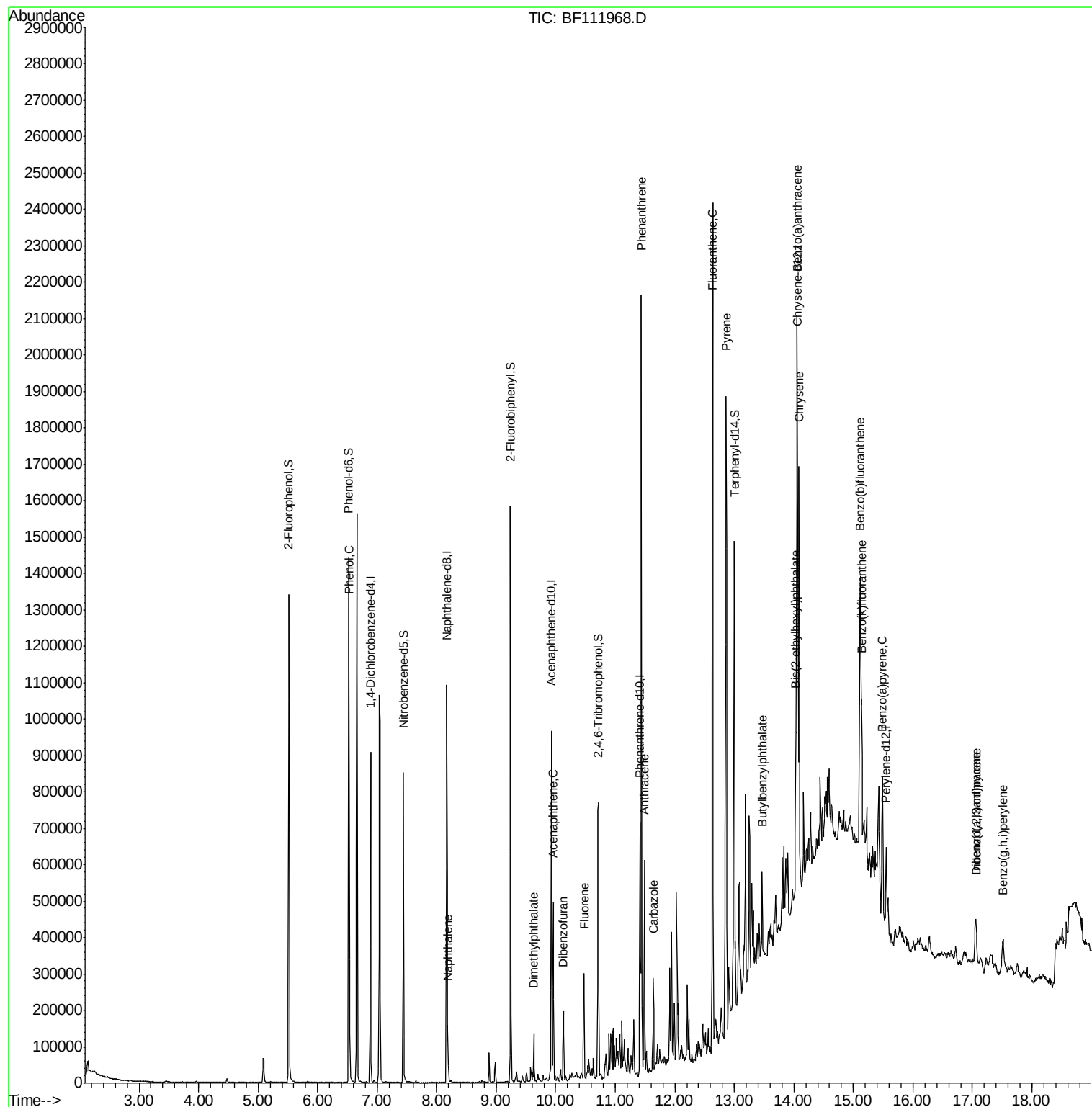
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
Data File : BF111968.D
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Operator : JU/SJ
Sample : K1075-19RE 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

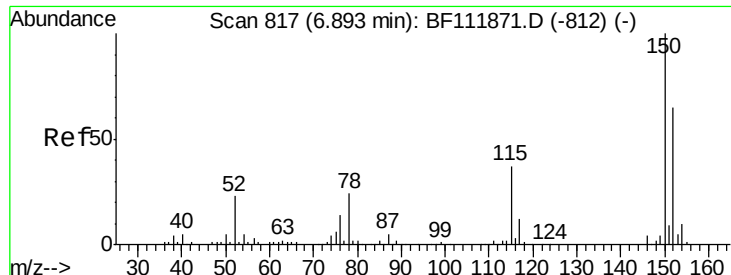
Instrument :
BNA_F
ClientSampled :
BASIN-10RE

Manual Integrations
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1/10/2019 11:46:08 AM

Quant Time: Jan 10 03:23:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration





#1

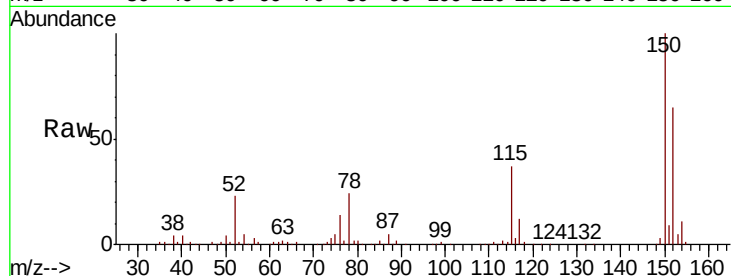
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.7	184.1
115	56.3	45.2	67.8

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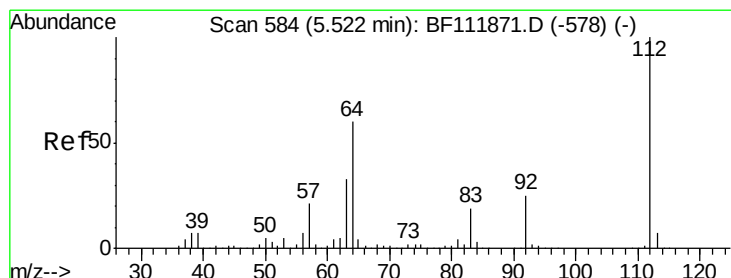
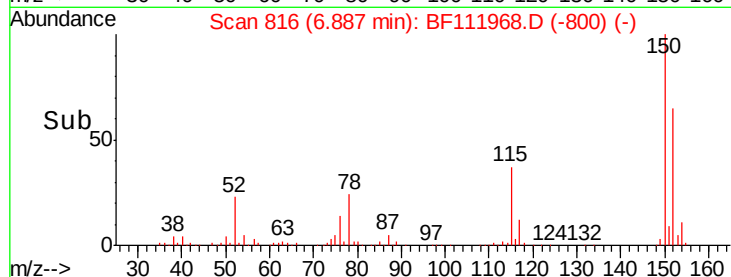
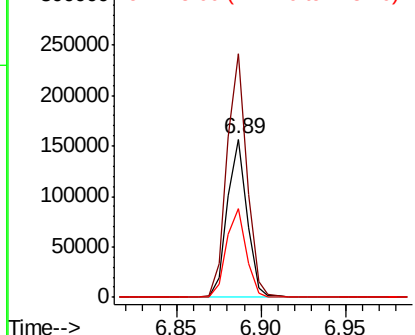


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

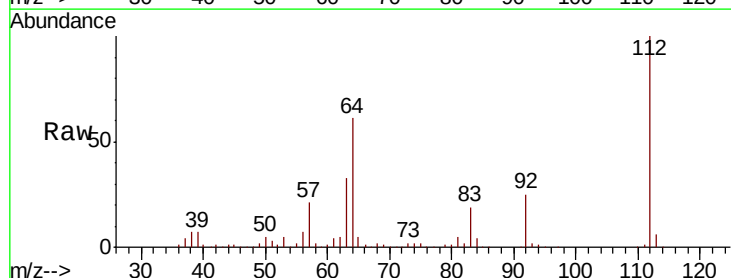
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.476 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.3	72.5
63	32.5	26.1	39.1

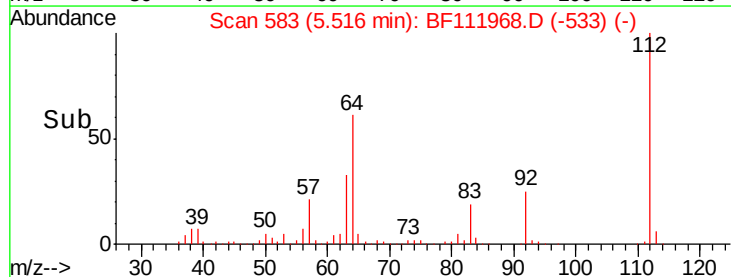
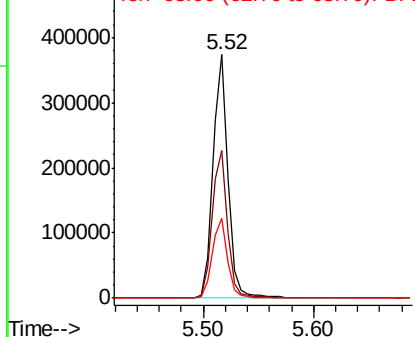


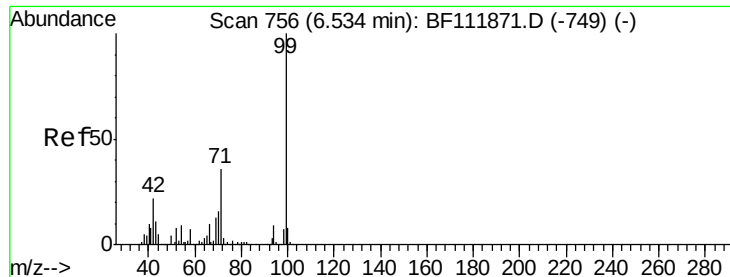
Abundance

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: 45.984 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111968.D

Acq: 9 Jan 2019 23:48

Instrument :

BNA_F

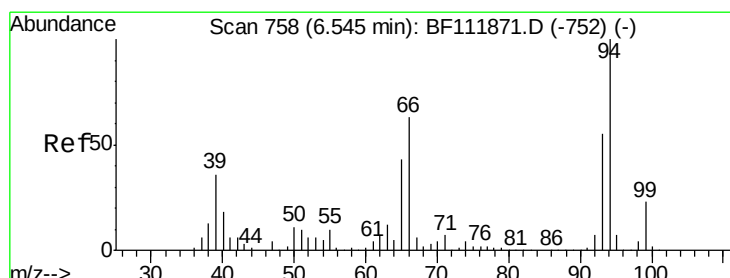
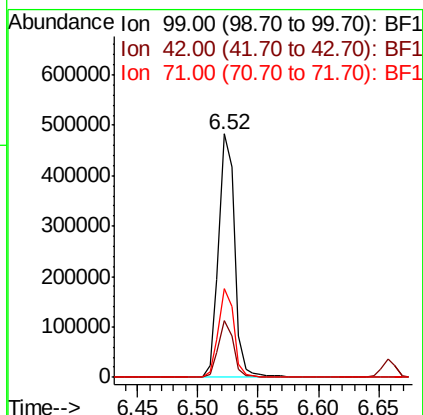
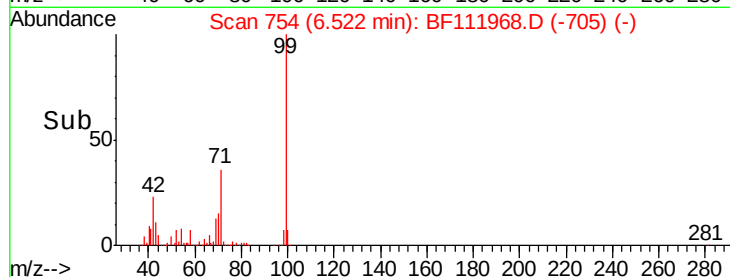
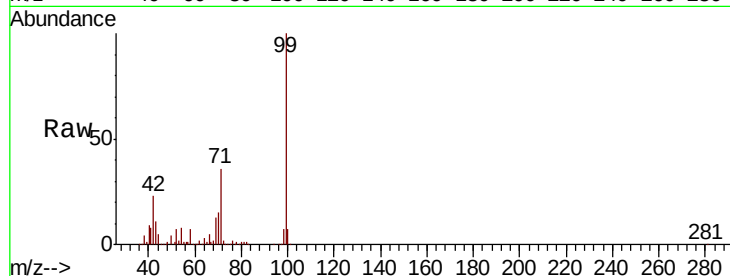
ClientSampleId :

BASIN-10RE

Tot Ion:	99	Resp:	441711
Ion Ratio	Lower	Upper	
99	100		
42	23.1	17.9	26.9
71	36.4	28.7	43.1

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#10

Phenol

Concen: 2.519 ng

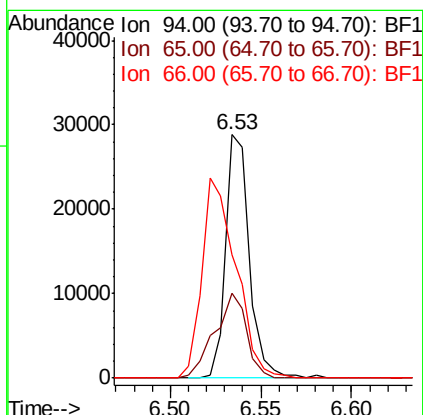
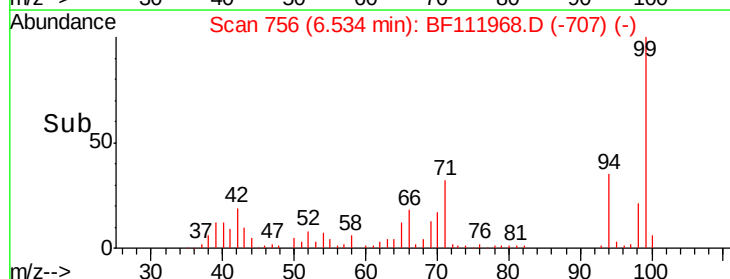
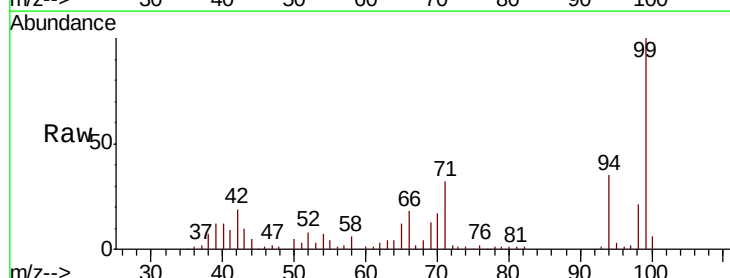
RT: 6.53 min Scan# 756

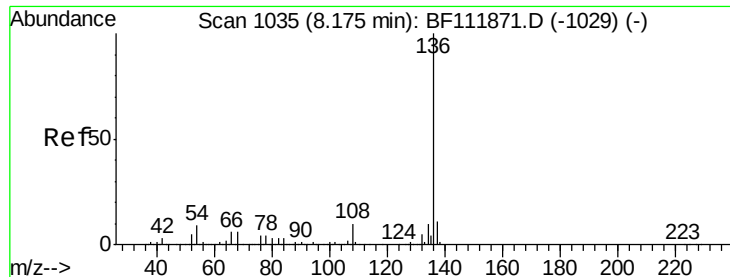
Delta R.T. -0.01 min

Lab File: BF111968.D

Acq: 9 Jan 2019 23:48

Tgt Ion:	94	Resp:	26296
Ion Ratio	Lower	Upper	
94	100		
65	34.9	22.8	62.8
66	50.9	43.3	83.3





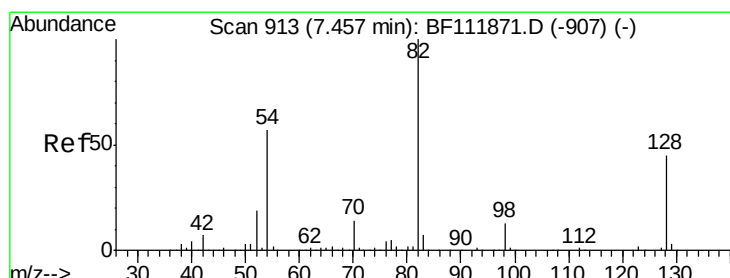
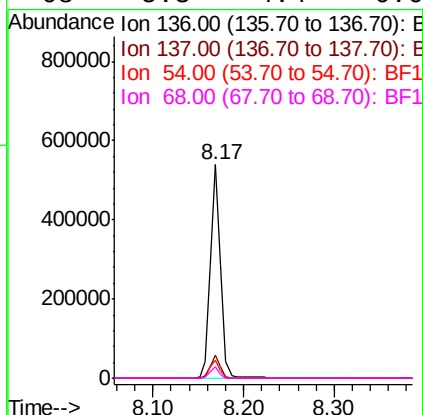
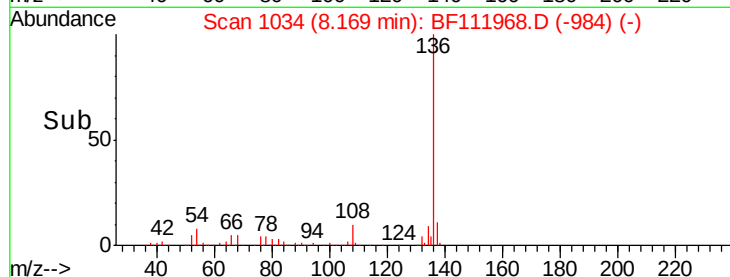
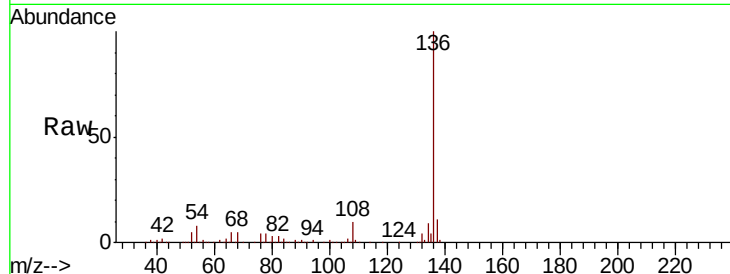
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		435986		
137	10.7		9.1	13.7	
54	8.4		7.2	10.8	
68	5.3		4.4	6.6	

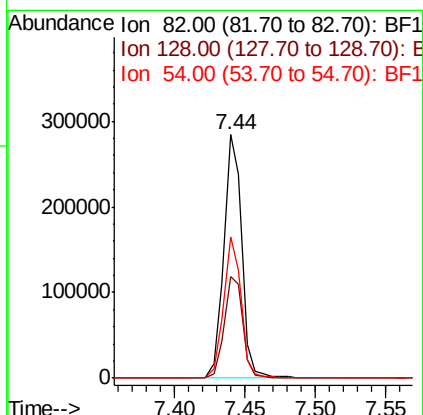
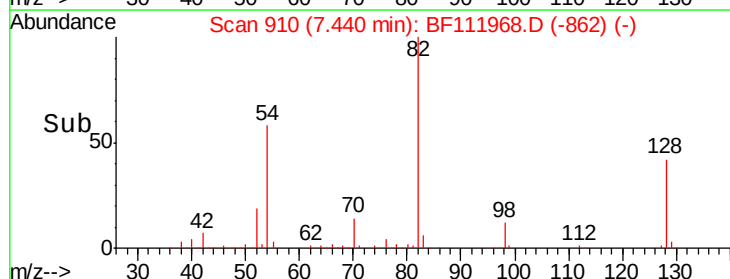
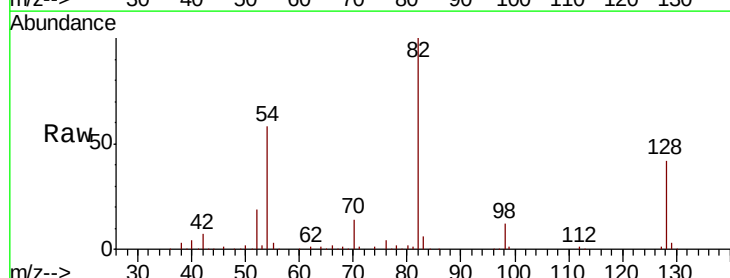
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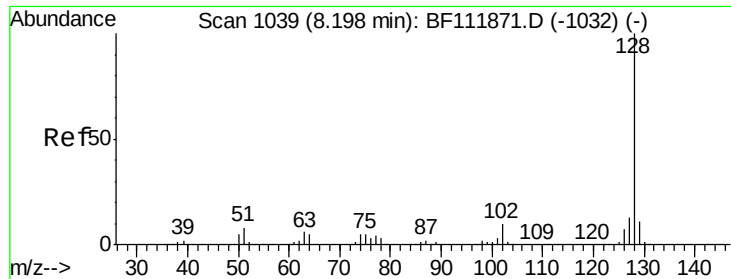
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#23
Nitrobenzene-d5
Concen: 30.837 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		251560		
128	41.7		35.7	53.5	
54	57.9		45.8	68.8	





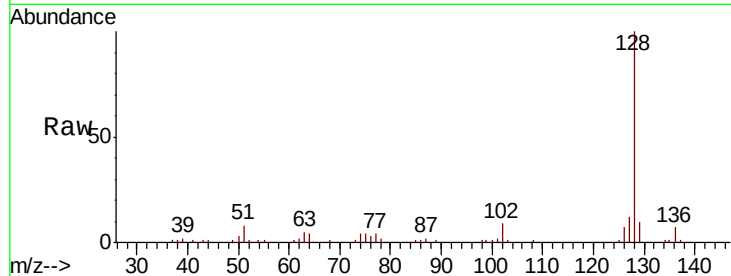
#31
Naphthalene
Concen: 3.129 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.5	9.0	13.4
127	12.4	10.7	16.1

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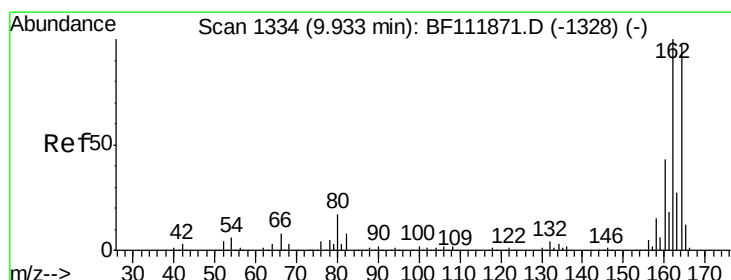
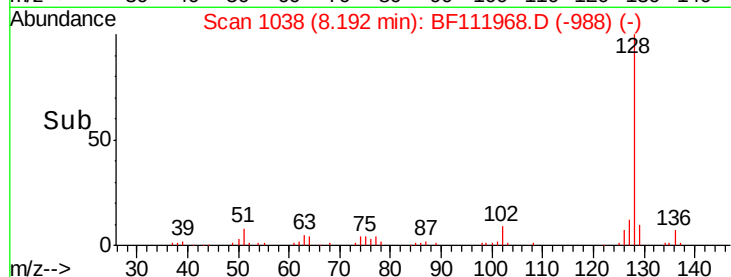
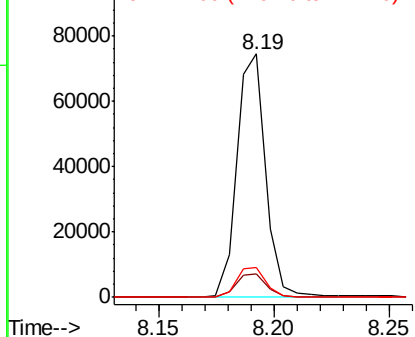


Abundance

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



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

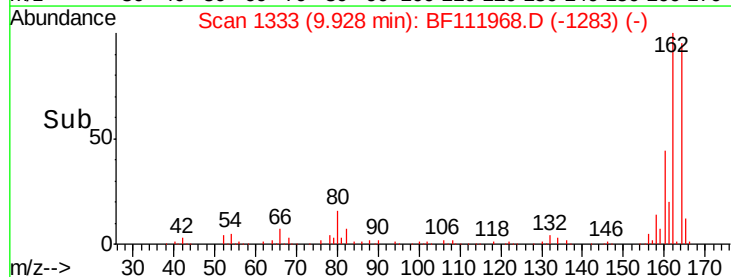
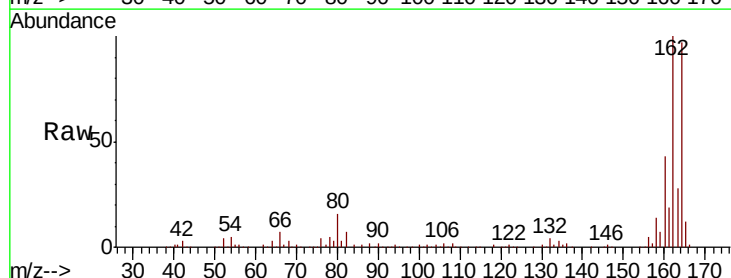
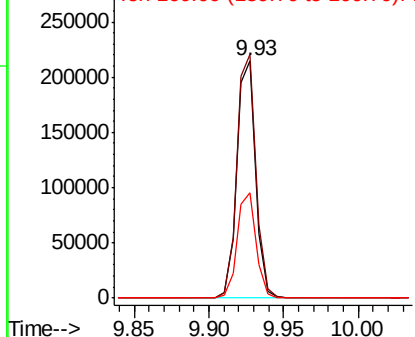
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.2	123.2
160	44.6	35.5	53.3

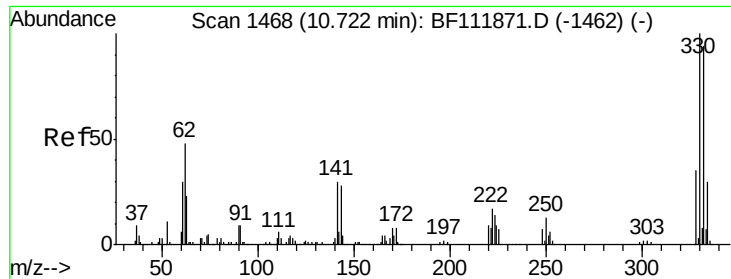
Abundance

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





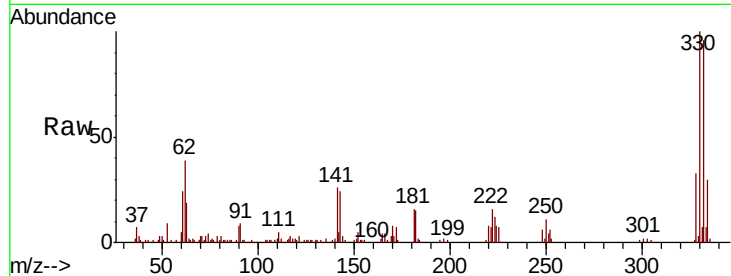
#42
 2,4,6-Tribromophenol
 Concen: 35.477 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111968.D
 Acq: 9 Jan 2019 23:48

Instrument :
 BNA_F
 ClientSampled :
 BASIN-10RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.9	115.3
141	32.2	23.7	35.5

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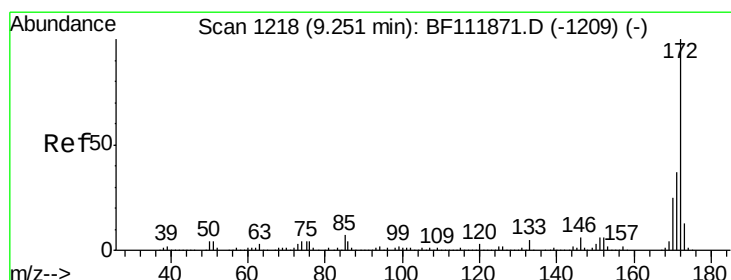
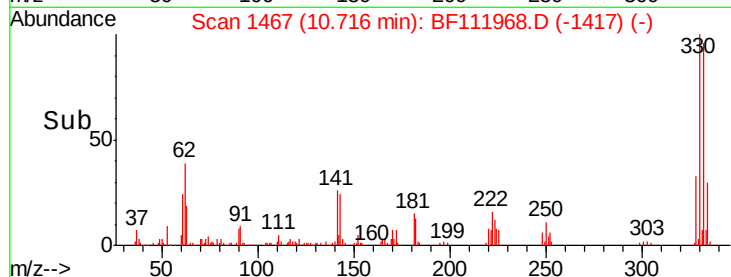
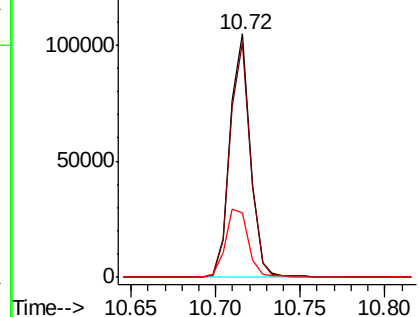


Abundance

Ion 329.80 (329.50 to 330.50): E

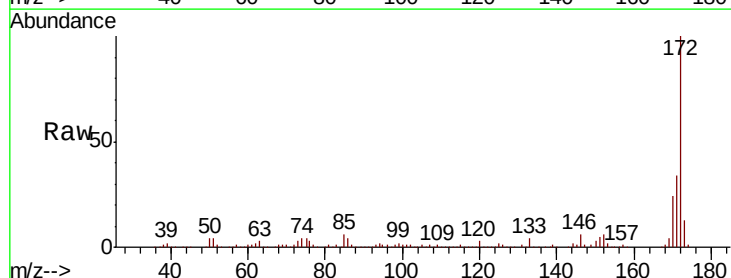
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 34.824 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF111968.D
 Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	23.7	19.8	29.8

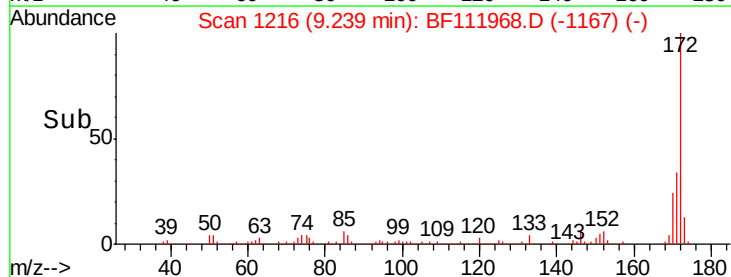
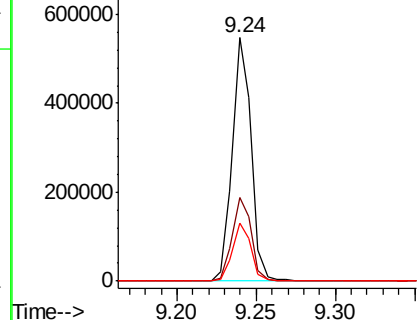


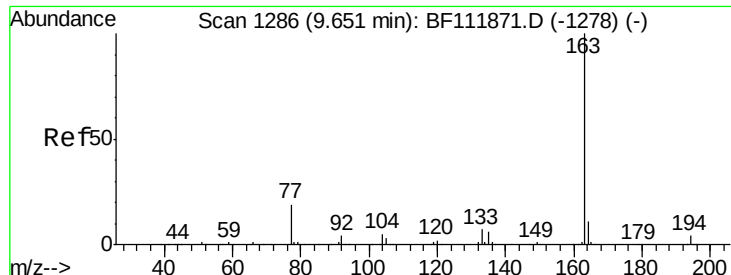
Abundance

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





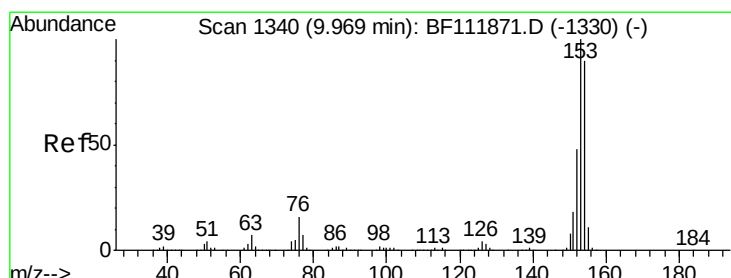
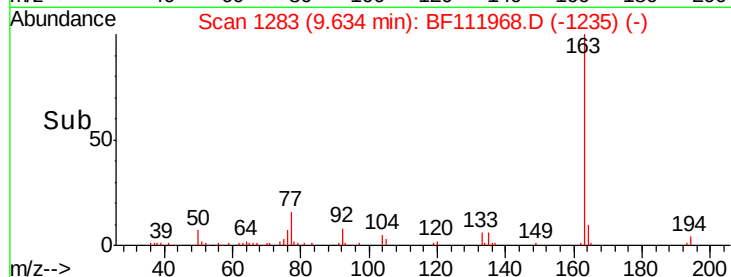
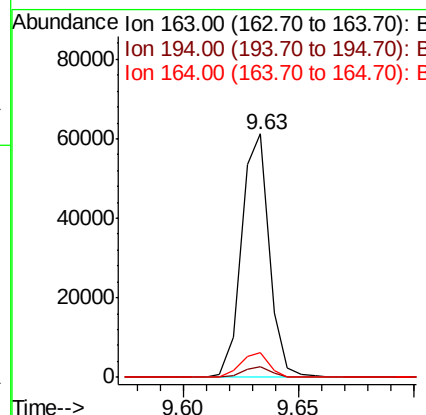
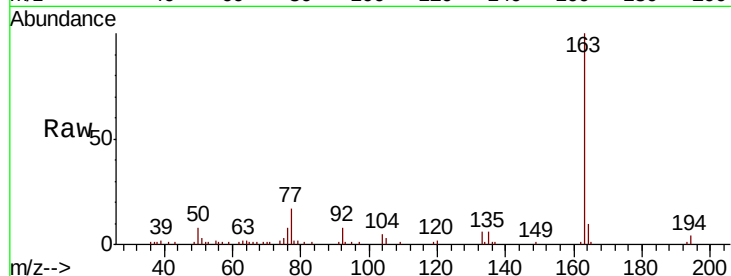
#50
Dimethylphthalate
Concen: 3.595 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	51186		
194	4.4		3.4	5.2
164	10.2		8.5	12.7

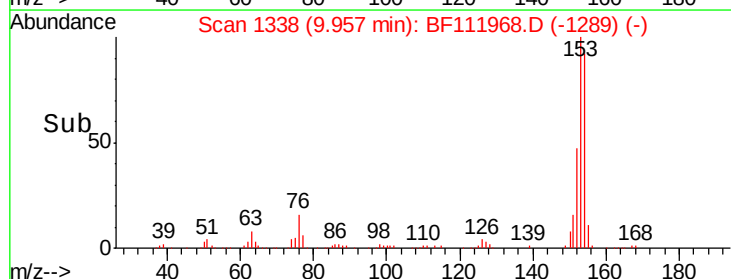
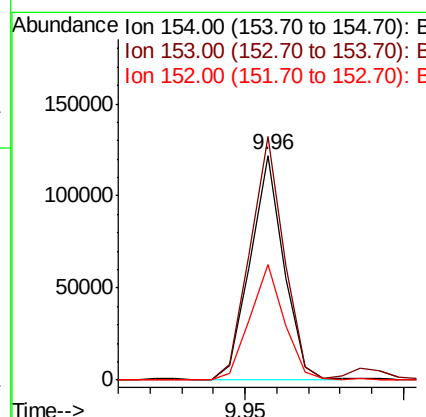
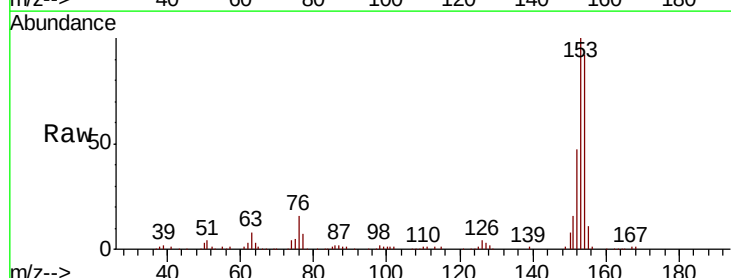
Manual Integrations
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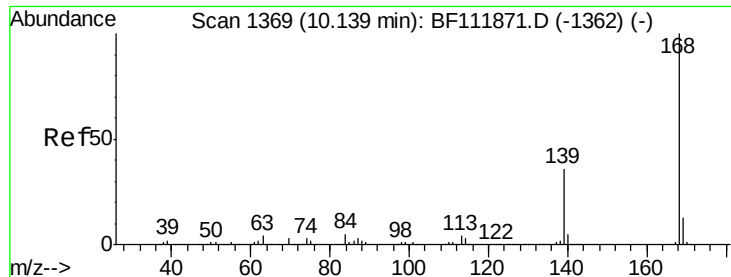
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#52
Acenaphthene
Concen: 7.586 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	89976		
153	108.4		89.4	134.0
152	51.3		43.1	64.7





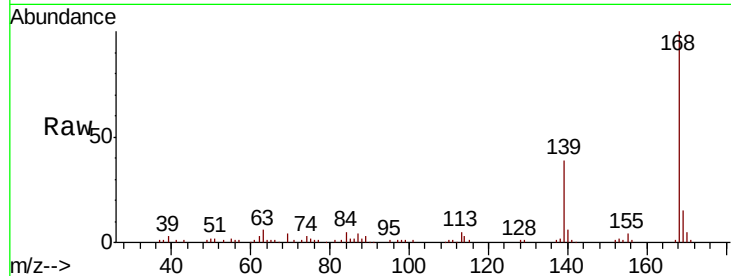
#55
Dibenzenofuran
Concen: 3.747 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampled :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.8	29.3	43.9
169	14.8	10.6	16.0

Manual Integrations
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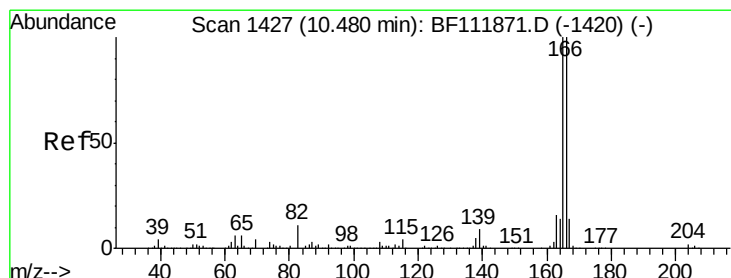
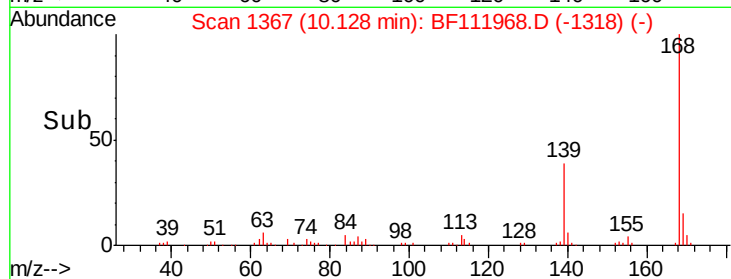
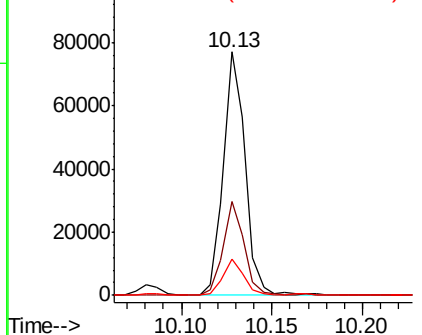


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 6.379 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

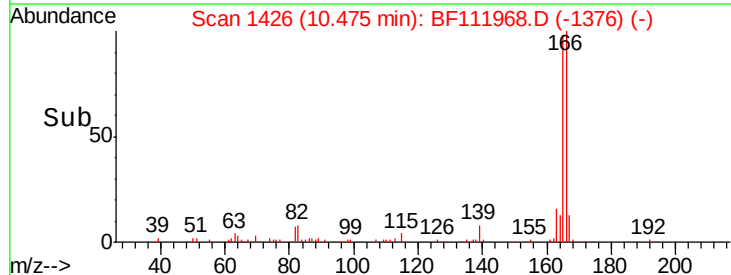
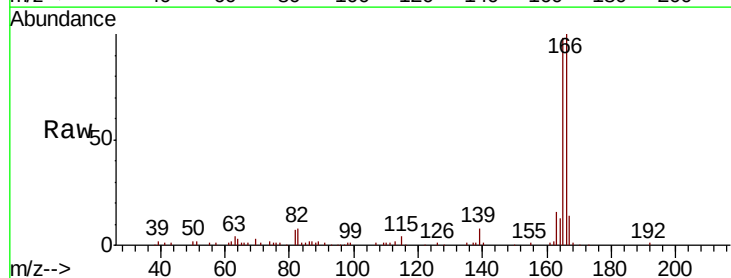
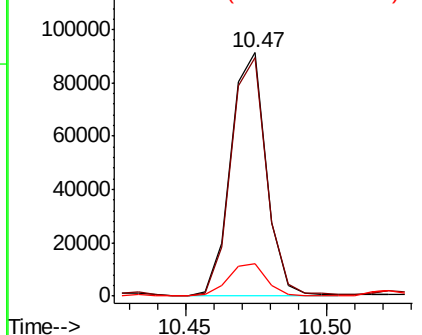
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.7	119.5
167	13.5	11.1	16.7

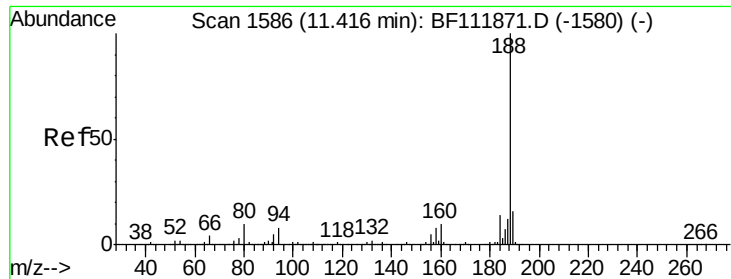
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF111968.D

Acq: 9 Jan 2019 23:48

Instrument :

BNA_F

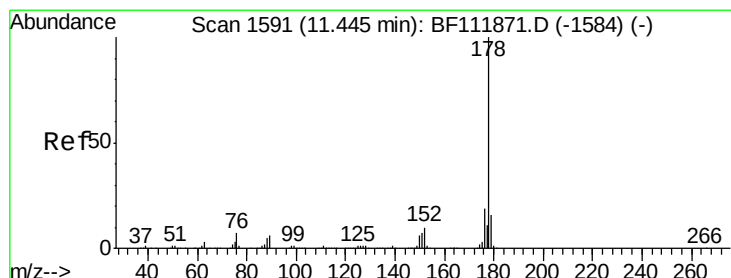
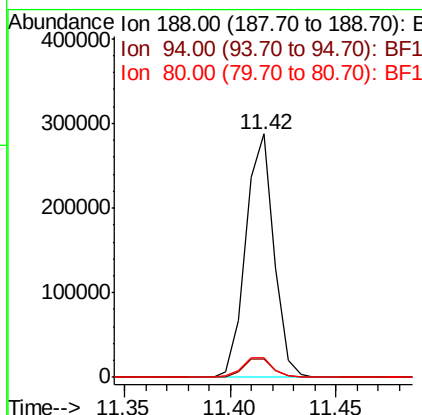
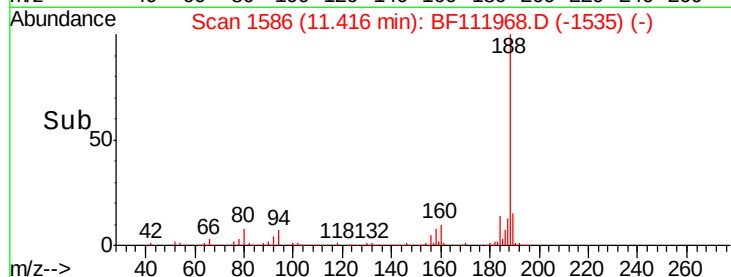
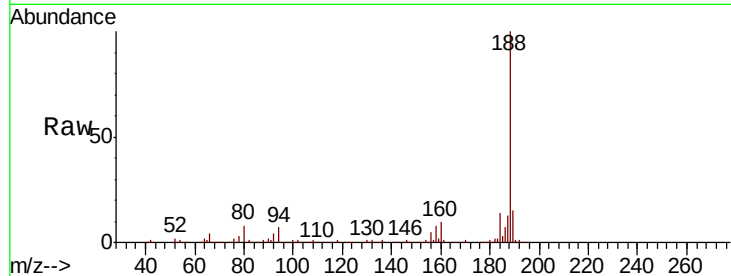
ClientSampleId :

BASIN-10RE

Tot Ion:	188	Resp:	265618
Ion Ratio	Lower	Upper	
188	100		
94	7.5	6.6	10.0
80	8.0	7.7	11.5

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#71

Phenanthrene

Concen: 55.512 ng

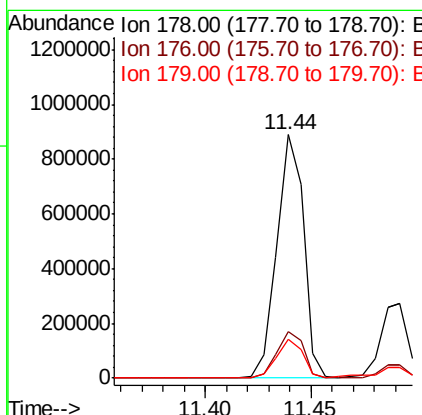
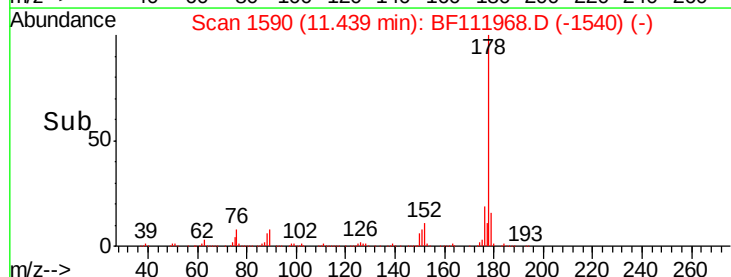
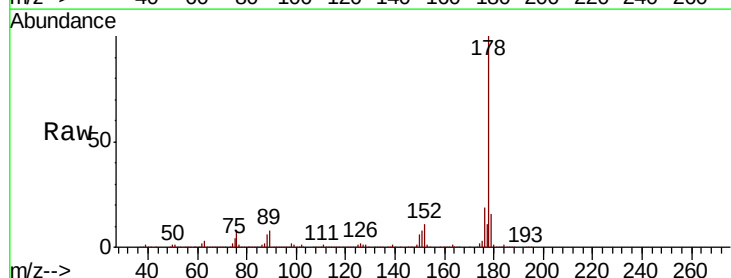
RT: 11.44 min Scan# 1590

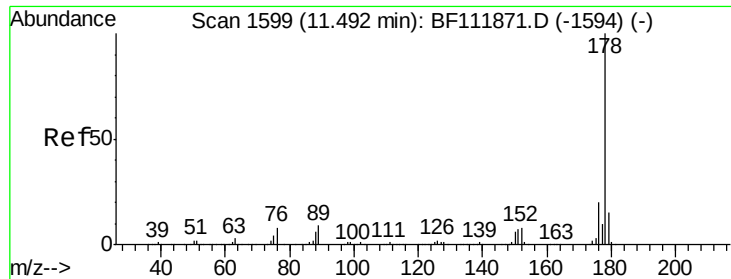
Delta R.T. -0.01 min

Lab File: BF111968.D

Acq: 9 Jan 2019 23:48

Tgt Ion:	178	Resp:	788341
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.6	23.4
179	15.7	12.6	18.8





#72

Anthracene

Concen: 16.700 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BF111968.D

Acq: 9 Jan 2019 23:48

Instrument :

BNA_F

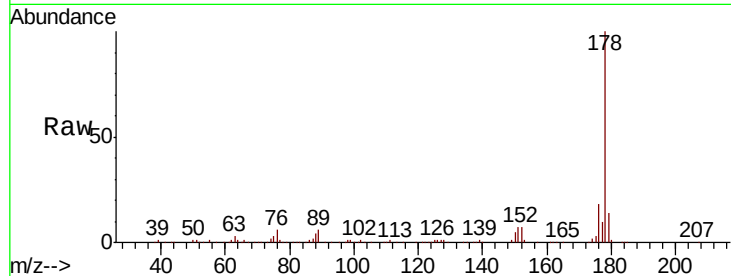
ClientSampleId :

BASIN-10RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.7	23.5
179	14.4	12.4	18.6

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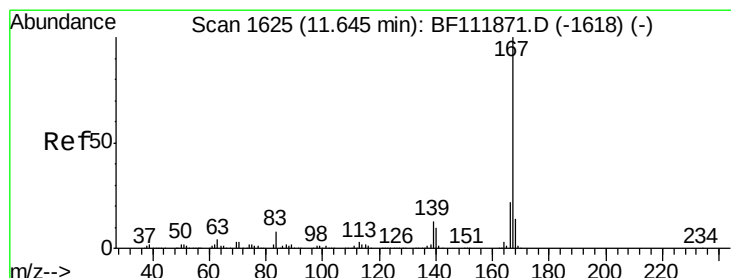
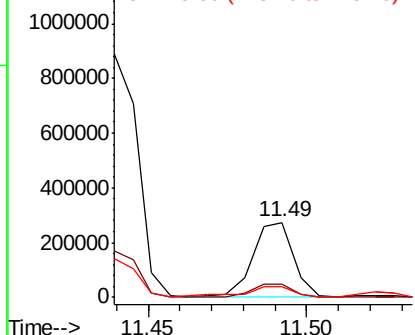
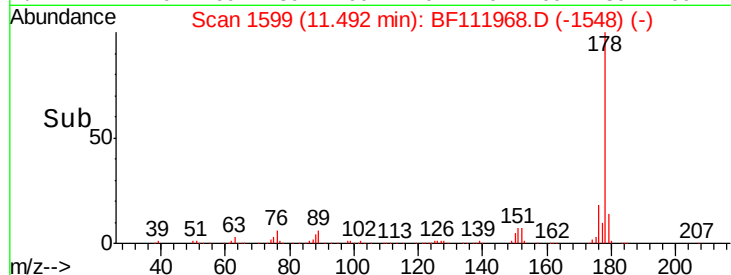


Abundance

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: 6.305 ng

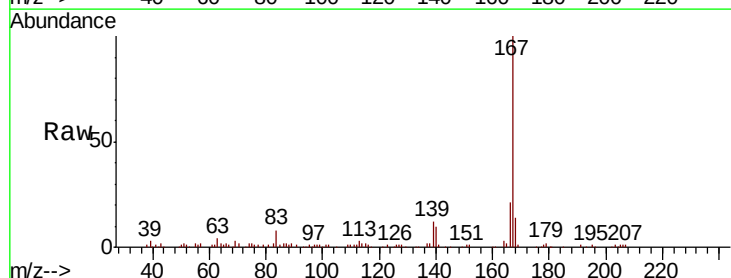
RT: 11.64 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF111968.D

Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.8	26.6
139	12.3	10.6	16.0

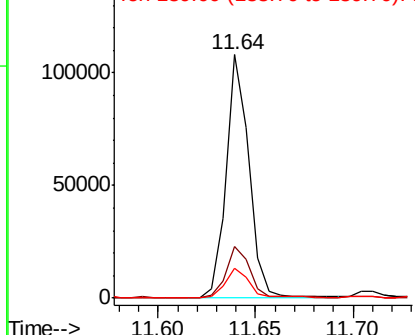
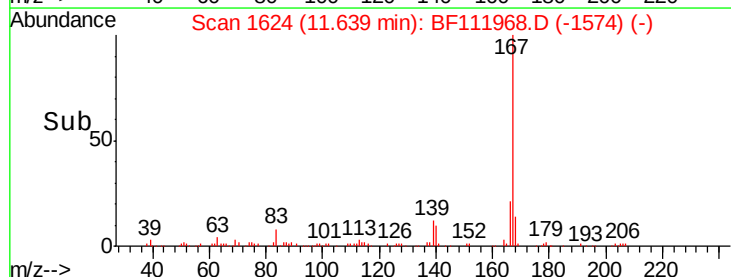


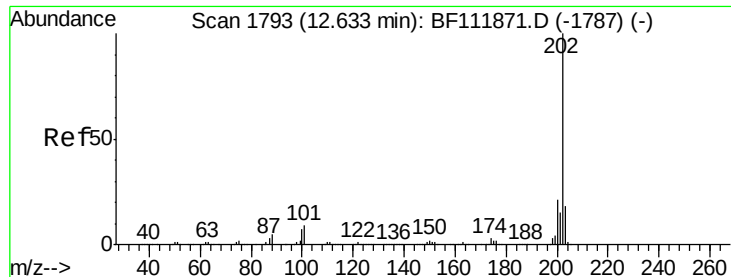
Abundance

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: 65.588 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111968.D

Acq: 9 Jan 2019 23:48

Instrument :

BNA_F

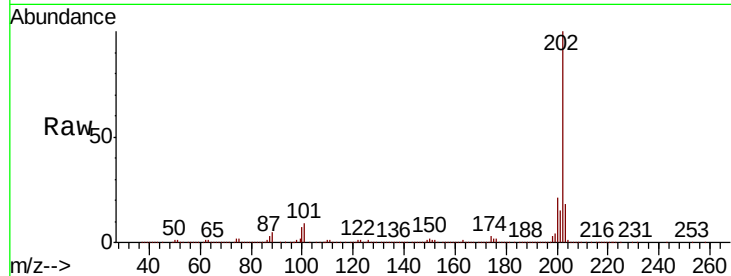
ClientSampled :

BASIN-10RE

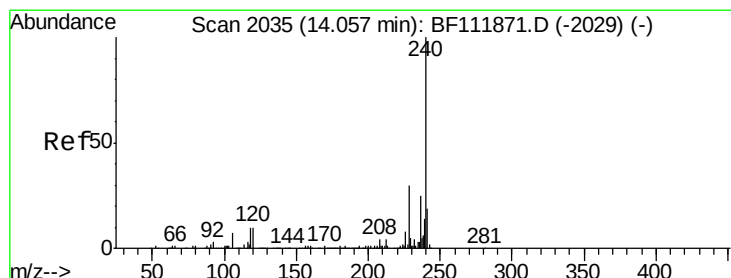
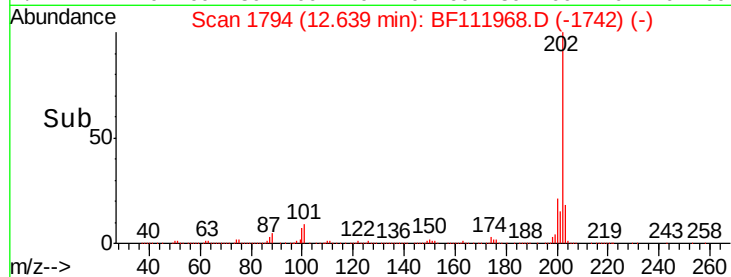
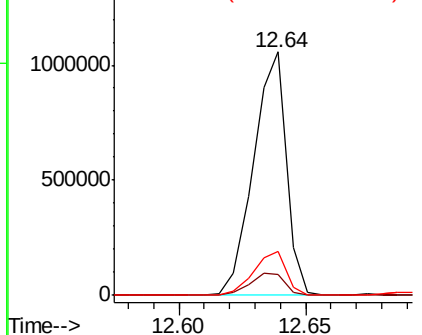
Tot Ion	Ratio	Resp	Lower	Upper
202	100	956197		
101	8.6	0.0	29.3	
203	17.9	0.0	37.6	

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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

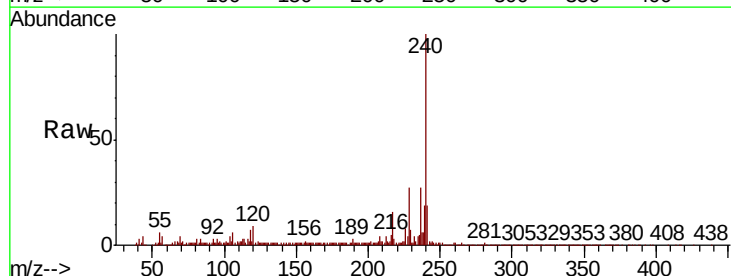
RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

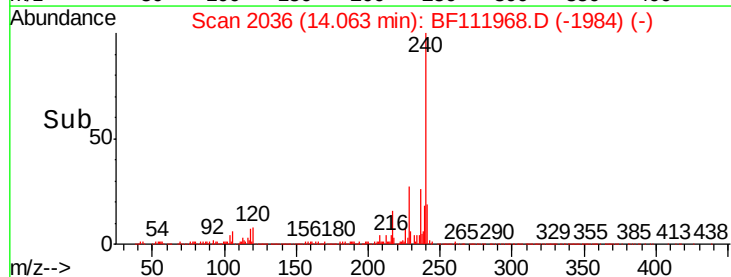
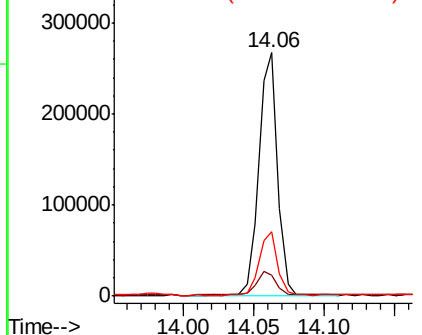
Lab File: BF111968.D

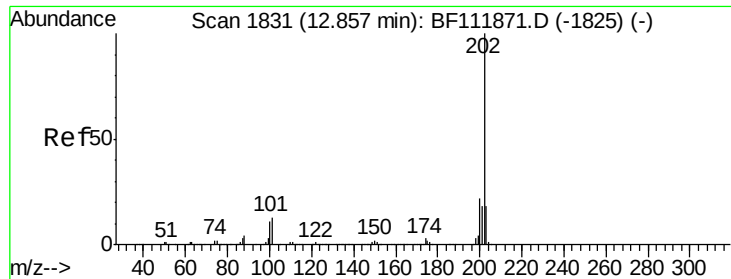
Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	250504		
120	8.7	8.2	12.2	
236	26.6	20.2	30.4	



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





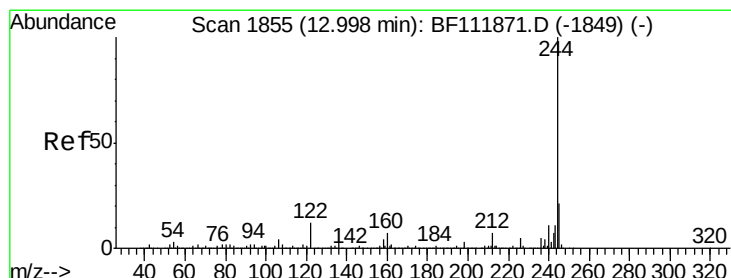
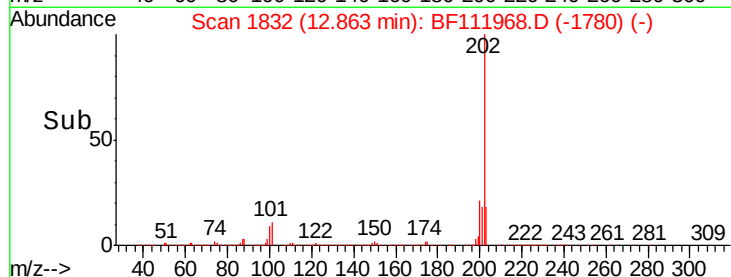
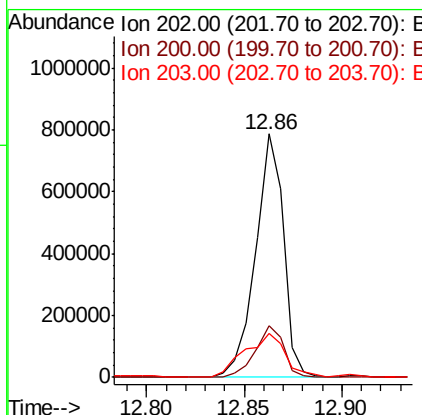
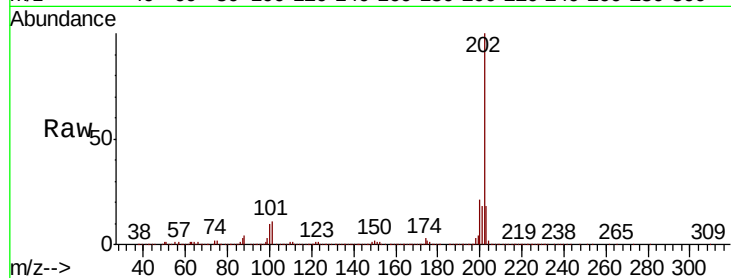
#78
Pvrene
Concen: 45.383 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.8	14.6	21.8

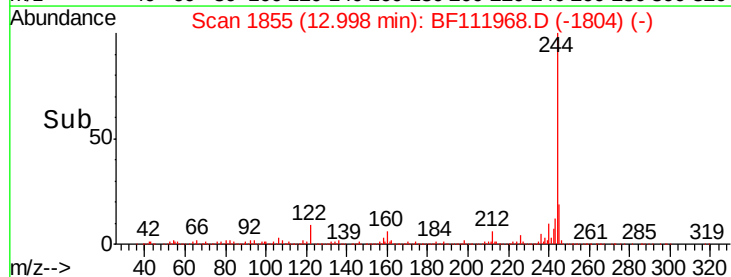
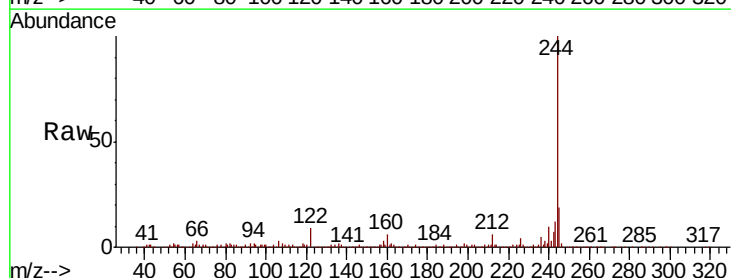
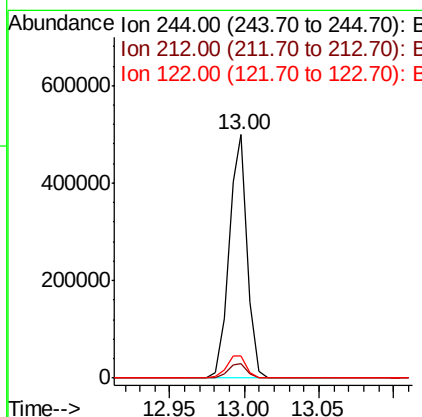
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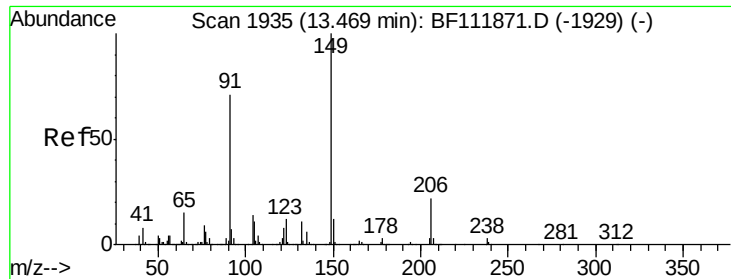
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#79
Terphenyl-d14
Concen: 32.417 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.8
122	8.9	9.5	14.3#





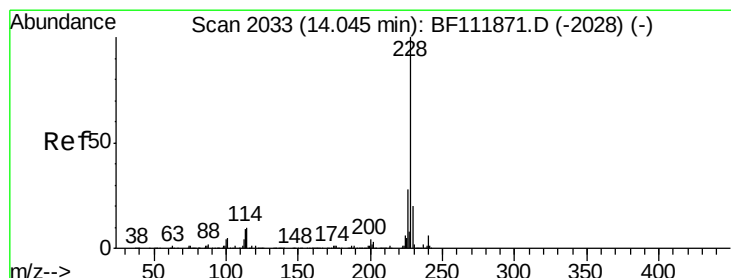
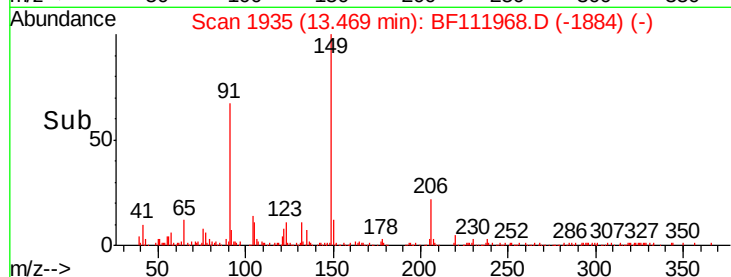
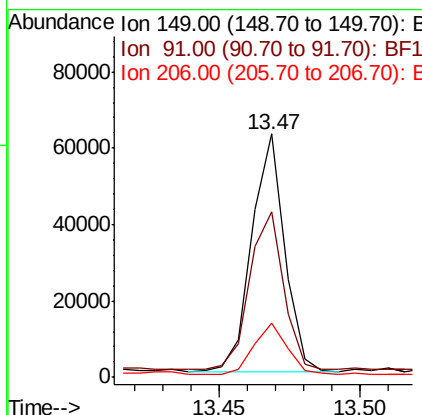
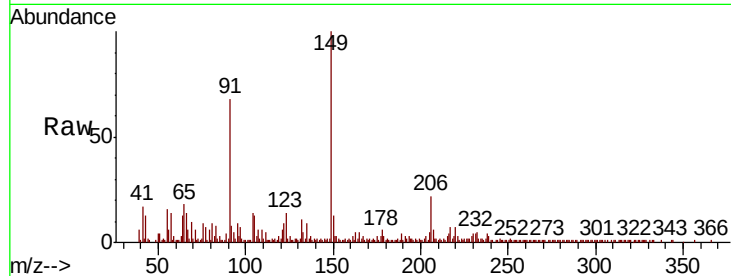
#80
Butylbenzylphthalate
Concen: 6.939 ng
RT: 13.47 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
149	100		
91	68.0	57.2	85.8
206	22.2	17.3	25.9

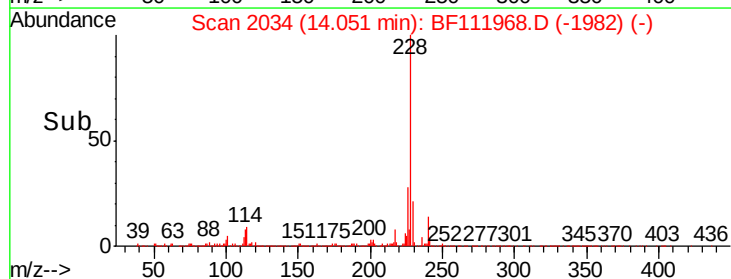
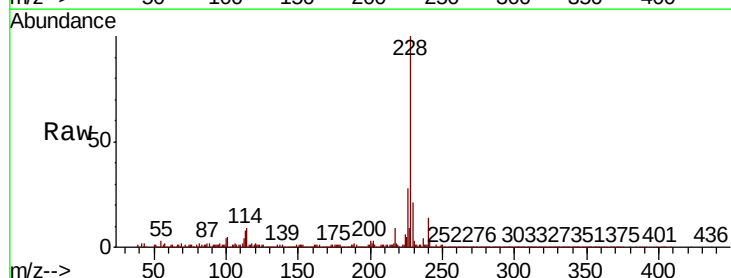
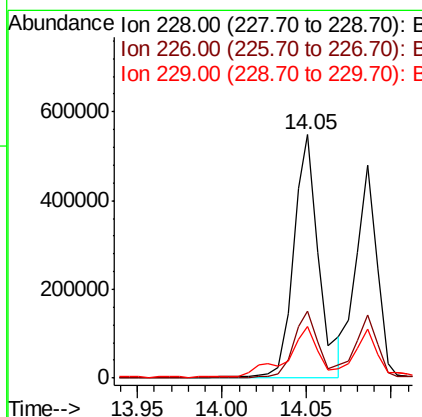
Manual Integrations
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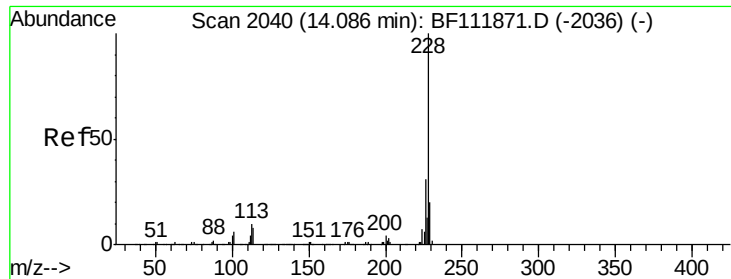
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#81
Benzo(a)anthracene
Concen: 39.412 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.2
229	21.1	16.2	24.2





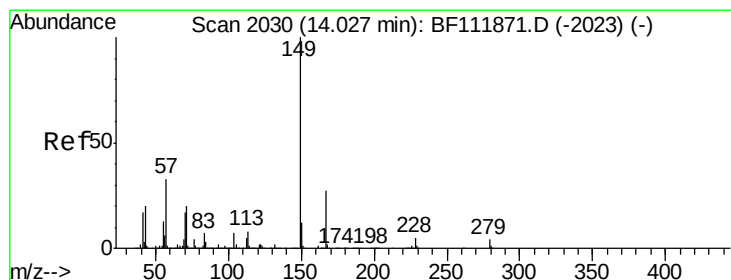
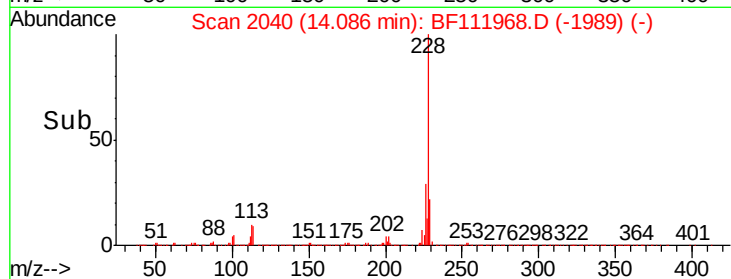
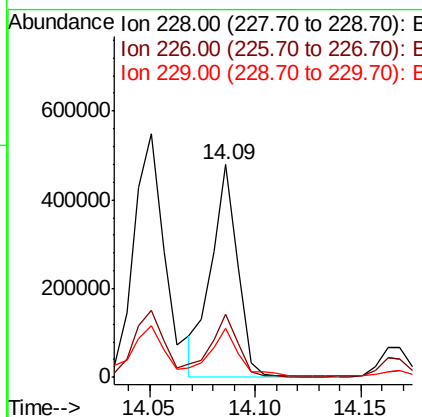
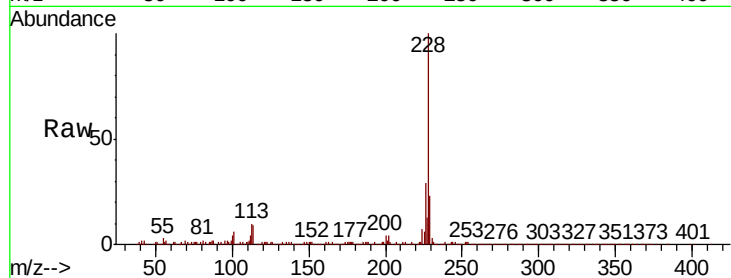
#83
Chrysene
Concen: 30.220 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0
229	23.0	15.7	23.5

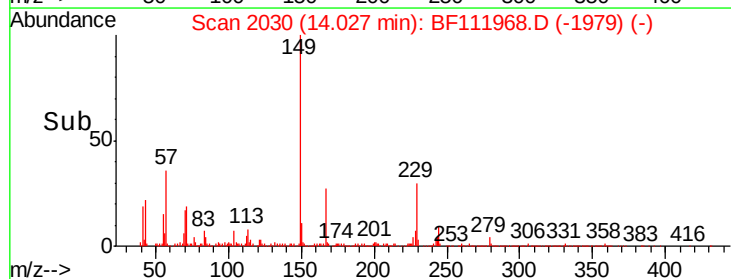
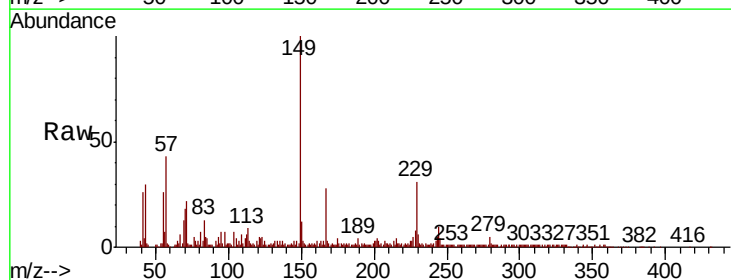
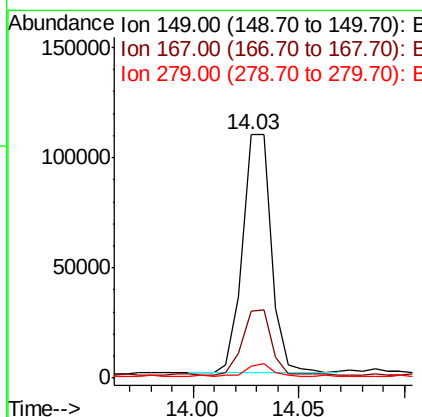
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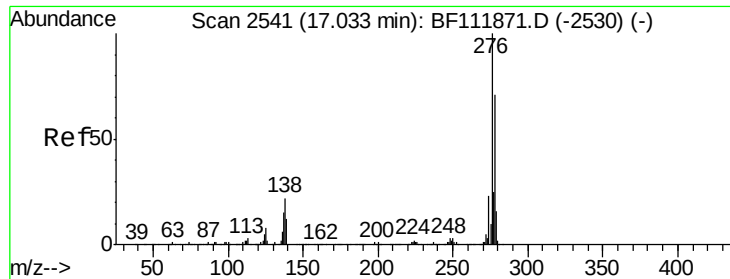
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#84
Bis(2-ethylhexyl)phthalate
Concen: 10.720 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.5	32.3
279	4.8	3.0	4.6





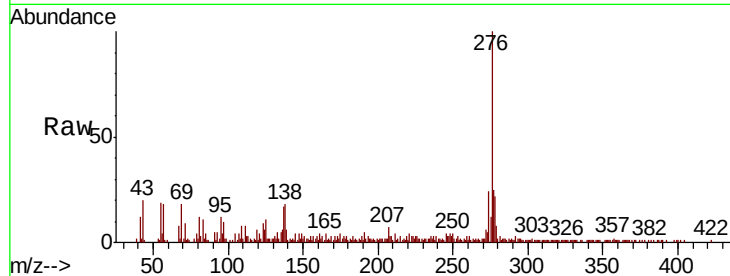
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.944 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.3	18.1	27.1#
277	23.9	19.9	29.9

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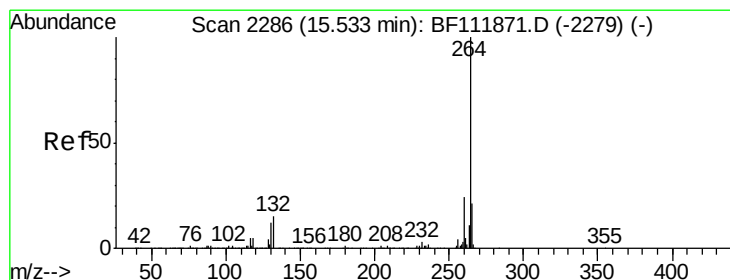
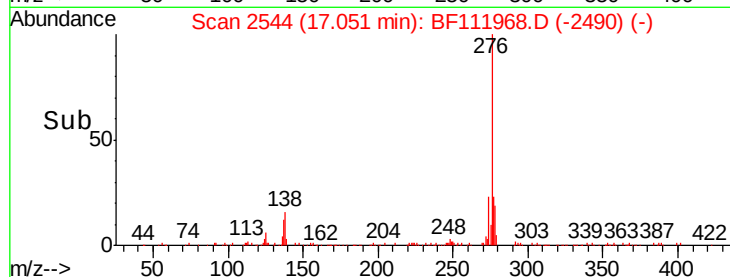
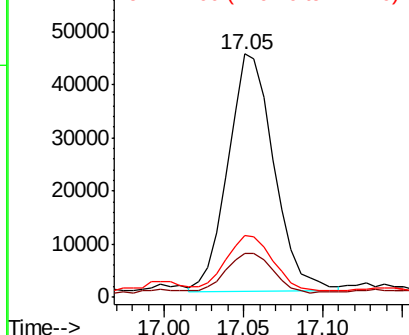


Abundance

Ion 276.00 (275.70 to 276.70): E

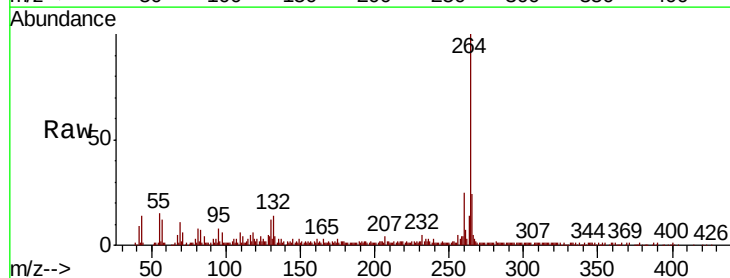
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.02 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.7	17.1	25.7

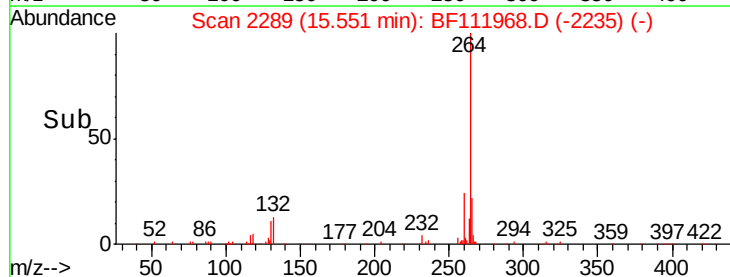
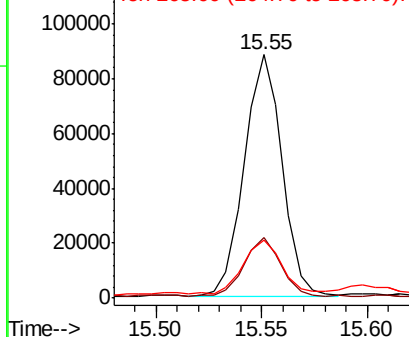


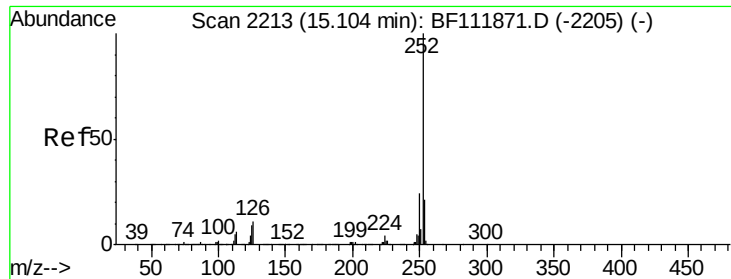
Abundance

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





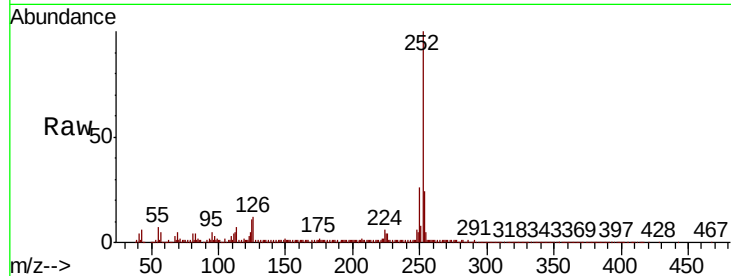
#88
Benzo(b)fluoranthene
Concen: 62.583 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	10.6	7.1	10.7

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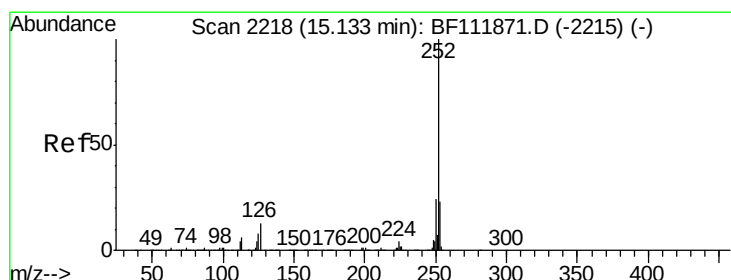
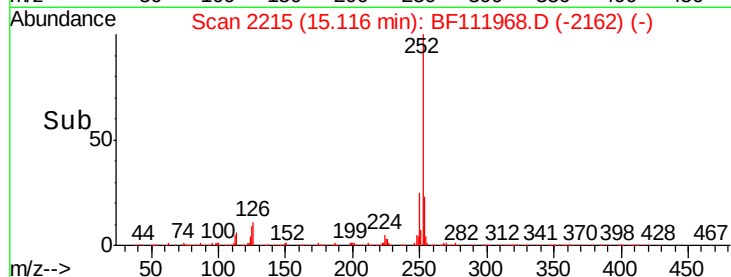
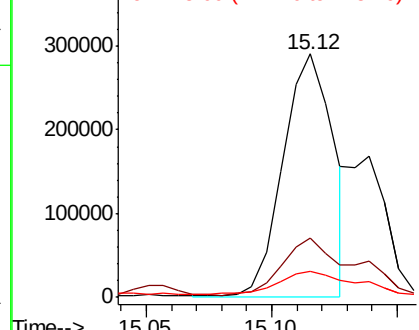


Abundance

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: 28.029 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

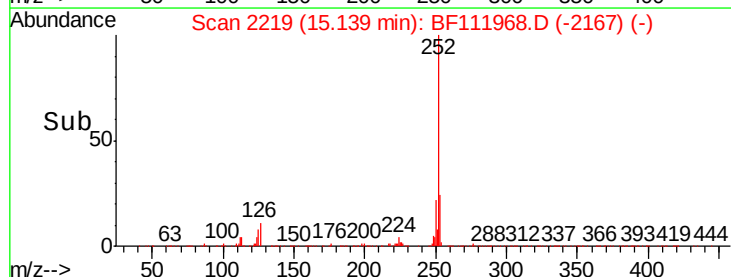
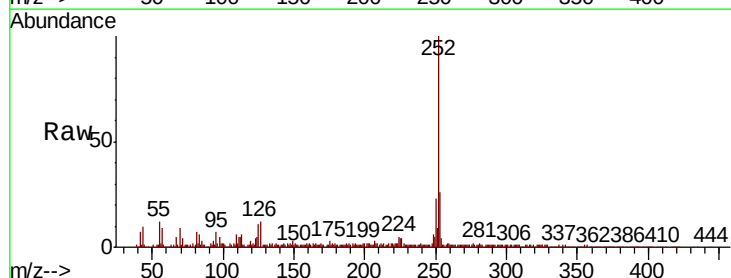
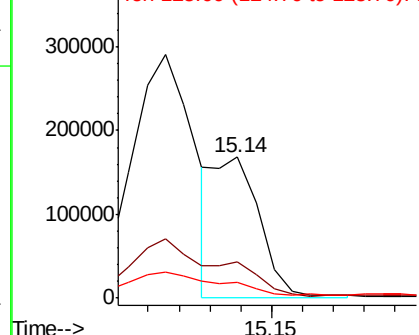
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.6
125	10.9	7.0	10.4#

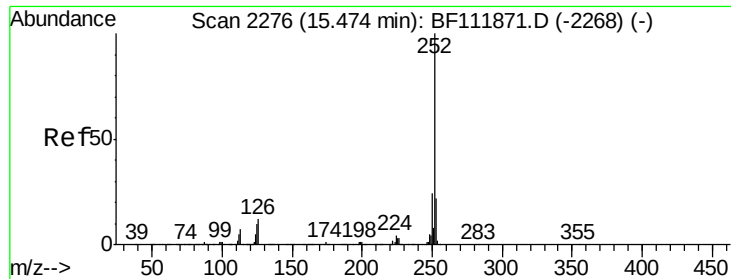
Abundance

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





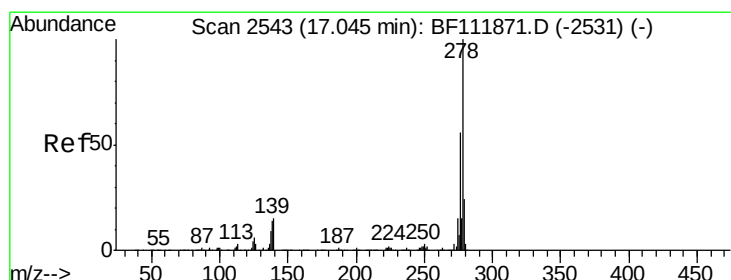
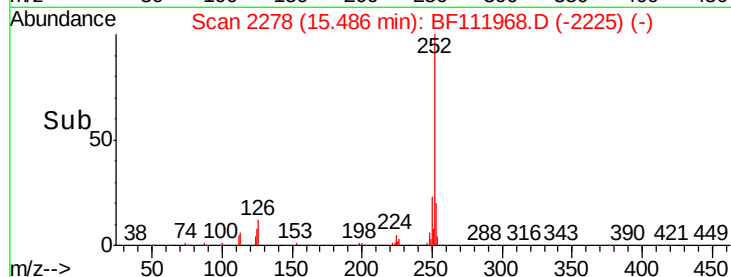
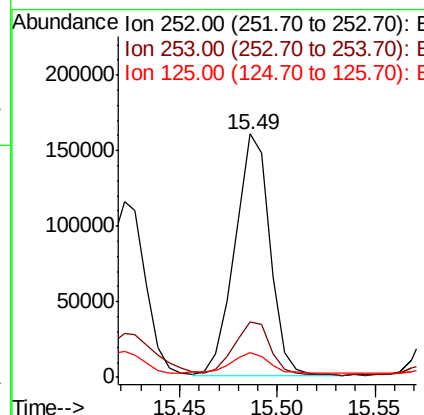
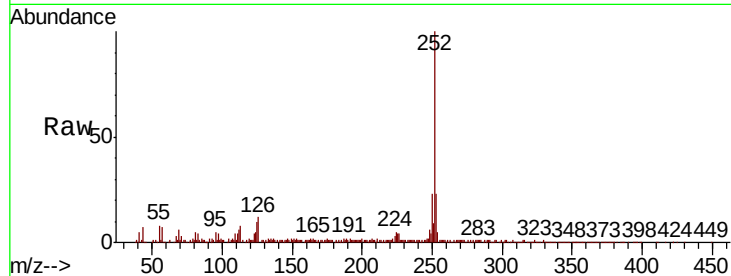
#90
Benzo(a)pyrene
Concen: 34.655 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
BASIN-10RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	10.2	7.9	11.9

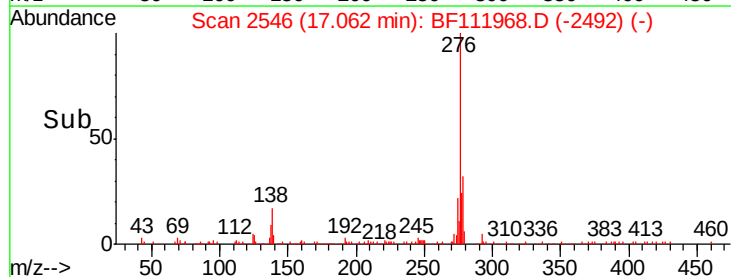
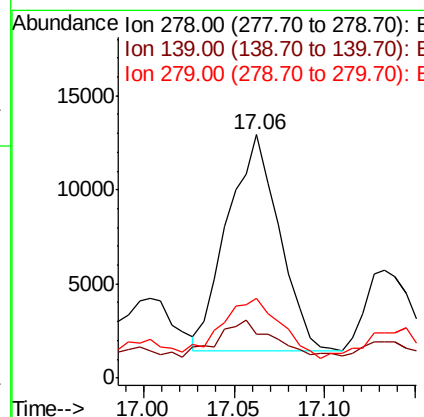
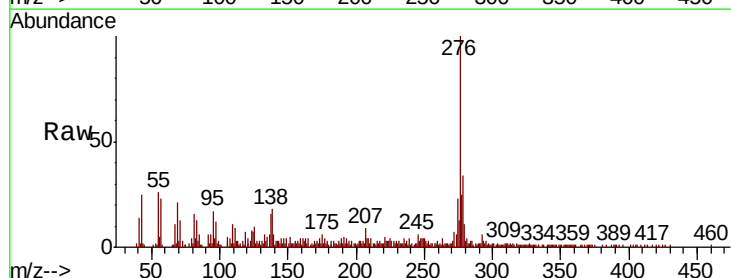
Manual Integrations
APPROVED

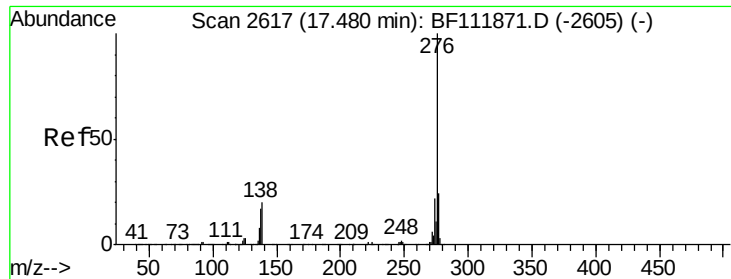
Sohil
1/10/2019 11:46:08 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.931 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.02 min
Lab File: BF111968.D
Acq: 9 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	11.8	17.6#
279	32.6	19.4	29.2#





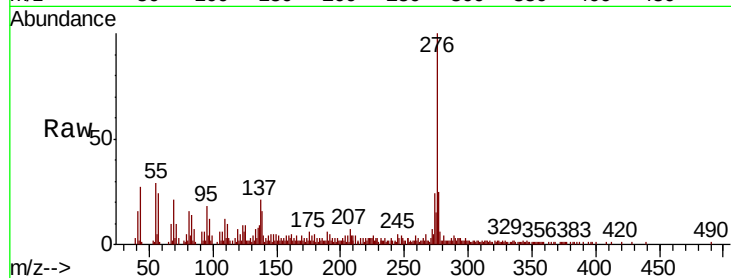
#92
 Benzo(a,h,i)perylene
 Concen: 17.338 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. 0.04 min
 Lab File: BF111968.D
 Acq: 9 Jan 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 BASIN-10RE

Tot Ion:	276	Resp:	78346
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.0	28.6
138	16.2	16.2	24.2

Manual Integrations
 APPROVED

Sohil
 1/10/2019 11:46:08 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

