

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111341.D
 Acq On : 13 Dec 2018 00:18
 Operator : JU/SJ
 Sample : J6194-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-121118

Manual Integrations
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Quant Time: Dec 13 04:38:32 2018
 Quant Title :
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	215920	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	769448	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	321421	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	594350	20.00	ng	0.00
76) Chrysene-d12	13.95	240	376082	20.00	ng	0.00
87) Perylene-d12	15.39	264	313162	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	722165	56.56	ng	0.00
7) Phenol-d6	6.42	99	871098	50.60	ng	-0.01
23) Nitrobenzene-d5	7.35	82	444594	32.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	148998	52.59	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	749962	37.46	ng	0.00
79) Terphenyl-d14	12.90	244	674745	39.49	ng	0.00
Target Compounds						Ovalue
10) Phenol	6.43	94	54768	2.808	ng	90
49) Acenaphthylene	9.69	152	107031	3.488	ng	97
50) Dimethylphthalate	9.55	163	60194	2.604	ng	98
52) Acenaphthene	9.86	154	77900	4.025	ng	97
55) Dibenzofuran	10.03	168	56744	2.031	ng	93
58) Fluorene	10.37	166	103390	5.173	ng	98
71) Phenanthrene	11.34	178	798050	25.978	ng	95
72) Anthracene	11.39	178	258955m	8.278	ng	
73) Carbazole	11.54	167	107349	3.319	ng	94
75) Fluoranthene	12.53	202	1023369	34.123	ng	99
78) Pyrene	12.76	202	1010410	34.812	ng	97
81) Benzo(a)anthracene	13.94	228	342064	16.256	ng	96
83) Chrysene	13.98	228	329612	15.353	ng	97
86) Indeno(1,2,3-cd)pyrene	16.81	276	110297	6.569	ng	# 90
88) Benzo(b)fluoranthene	14.98	252	315061m	17.693	ng	
89) Benzo(k)fluoranthene	15.00	252	90153m	5.072	ng	
90) Benzo(a)pyrene	15.33	252	232583	14.027	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	28055	2.034	ng	# 69
92) Benzo(g,h,i)perylene	17.23	276	109236	7.920	ng	93

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

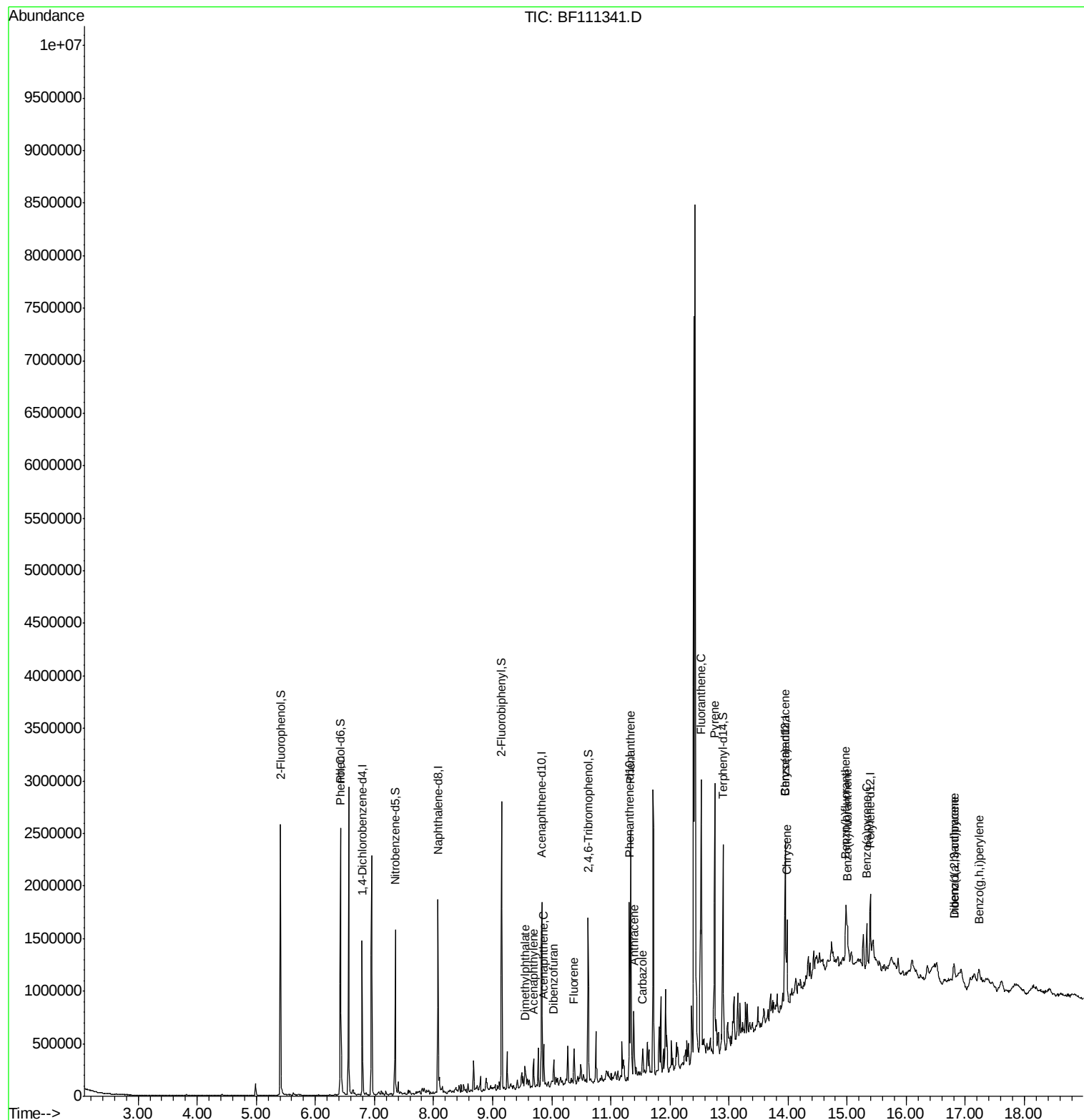
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111341.D
Acq On : 13 Dec 2018 00:18
Operator : JU/SJ
Sample : J6194-05 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

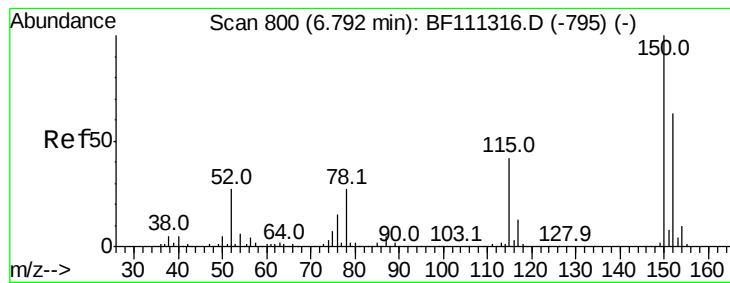
Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Manual Integrations
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Quant Time: Dec 13 04:38:32 2018
Quant Title :
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration





#1

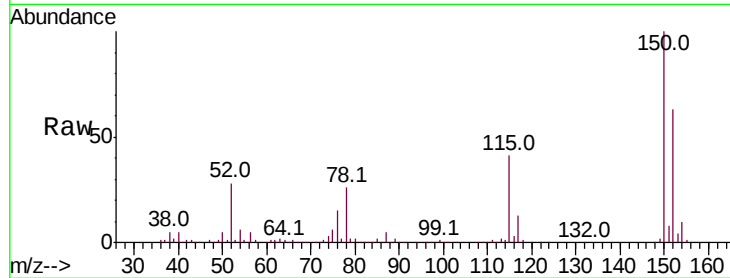
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.6	189.8
115	64.9	50.7	76.1

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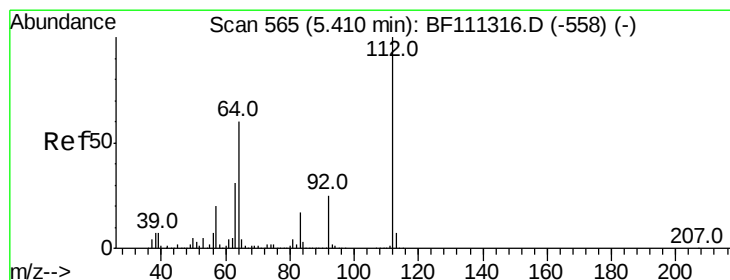
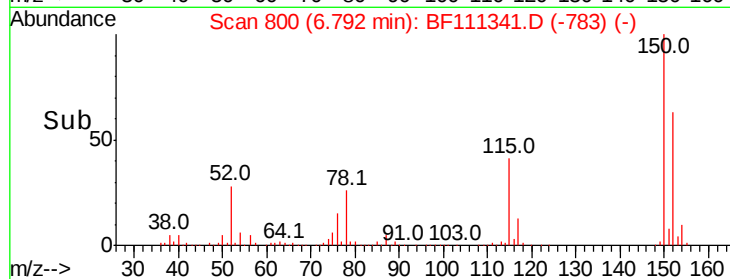
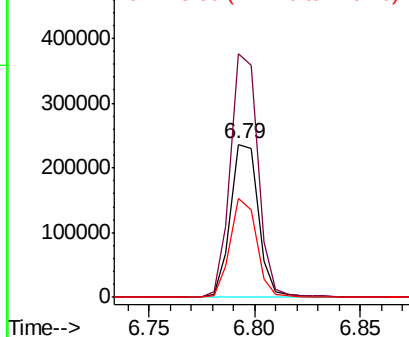


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

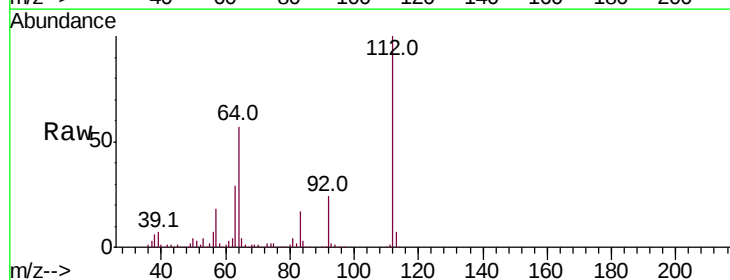
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.558 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	51.8	77.6
63	29.0	26.8	40.2

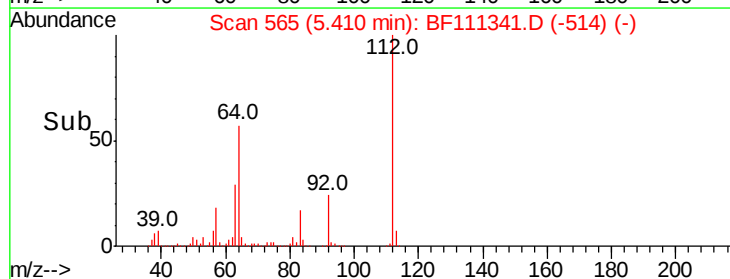
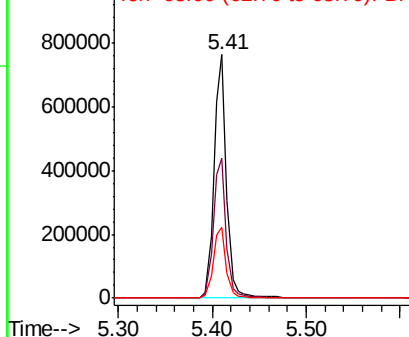


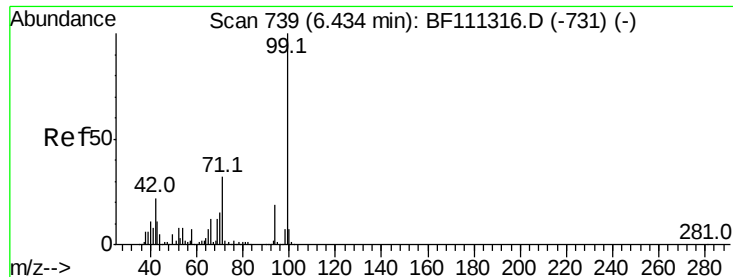
Abundance

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: 50.600 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Instrument :

BNA_F

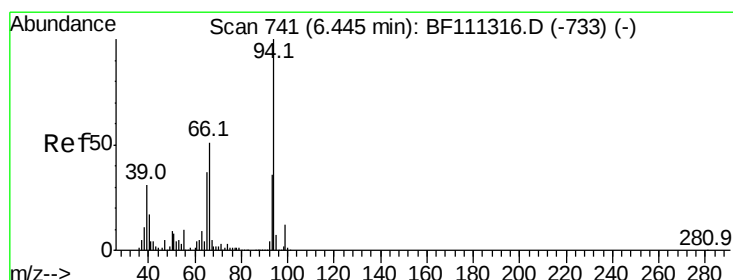
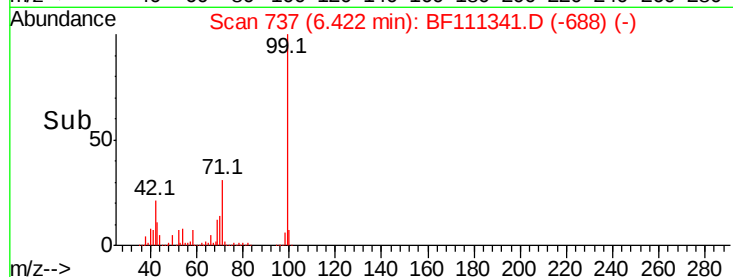
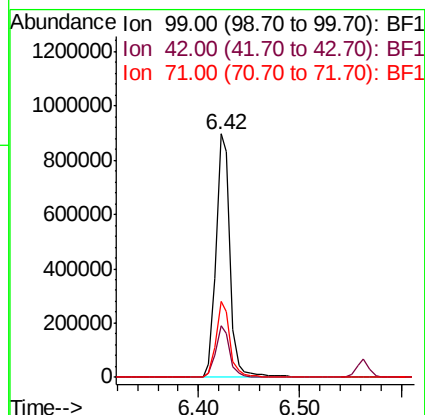
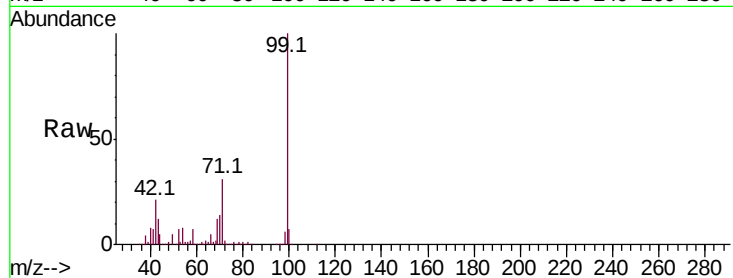
ClientSampleId :

OK-03-121118

Tot Ion:	99	Resp:	871098
Ion Ratio	Lower	Upper	
99	100		
42	21.1	17.4	26.0
71	31.1	26.1	39.1

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#10

Phenol

Concen: 2.808 ng

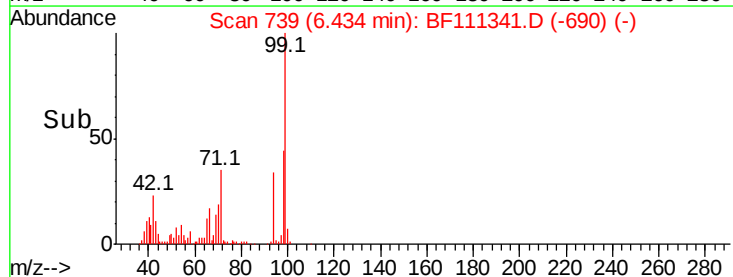
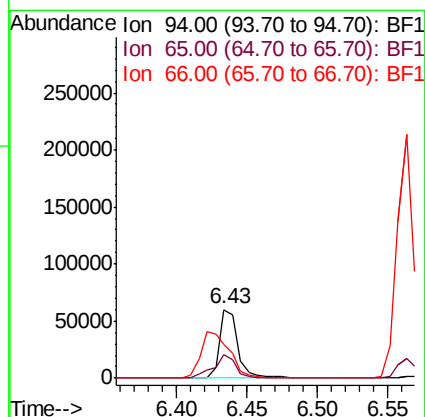
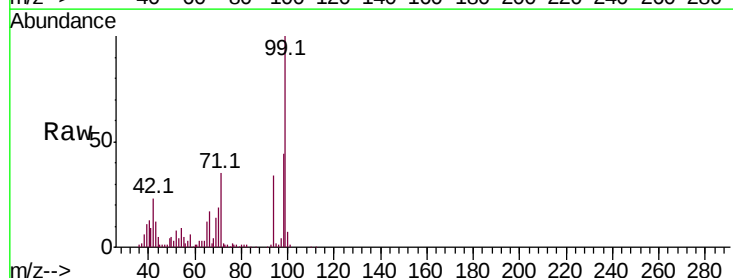
RT: 6.43 min Scan# 739

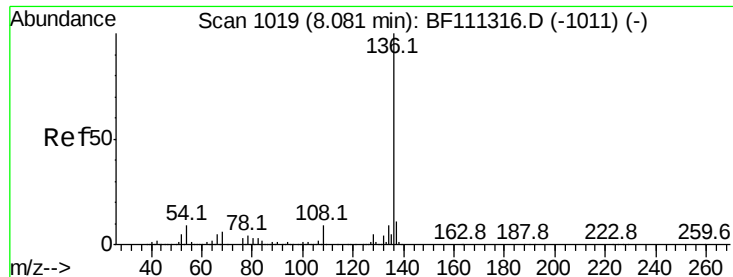
Delta R.T. -0.01 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Tgt Ion:	94	Resp:	54768
Ion Ratio	Lower	Upper	
94	100		
65	35.1	11.7	51.7
66	48.9	21.0	61.0





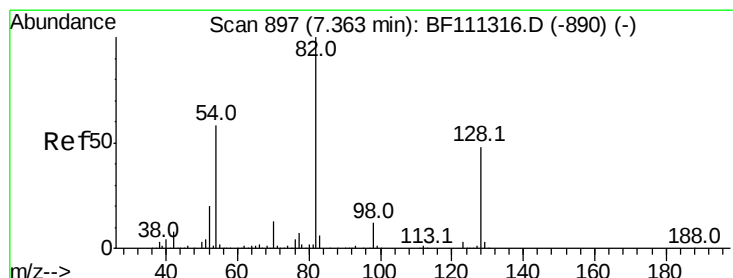
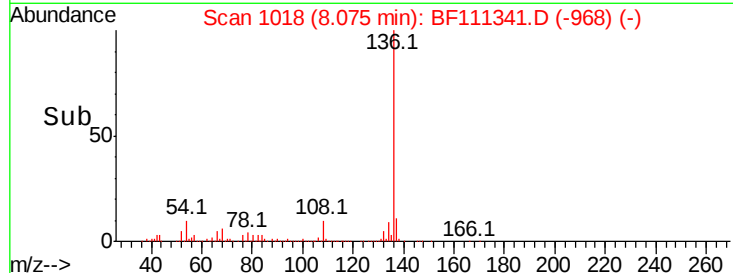
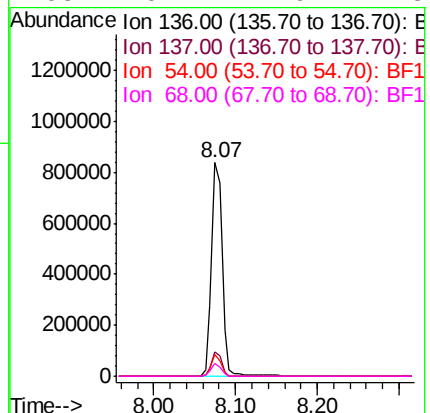
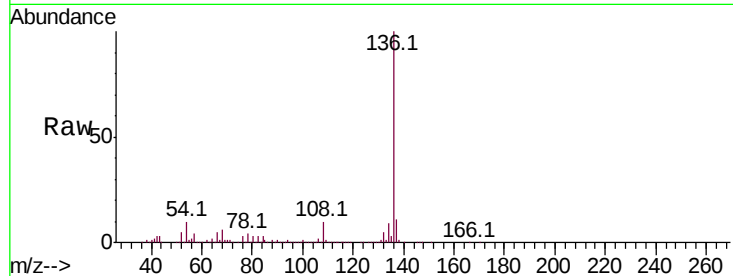
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		769448		
137	11.3	9.1	13.7		
54	10.2	7.7	11.5		
68	6.1	4.9	7.3		

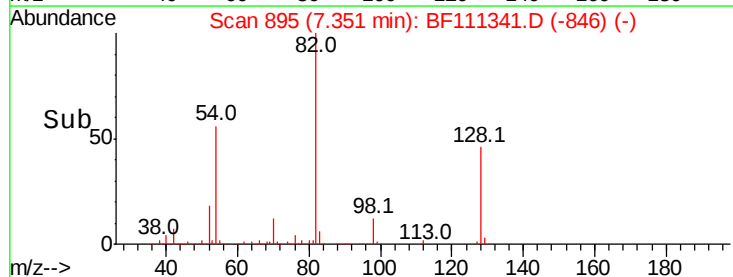
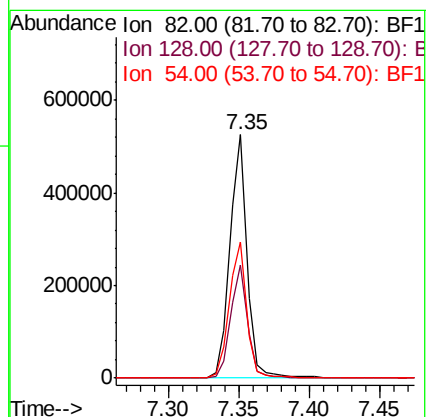
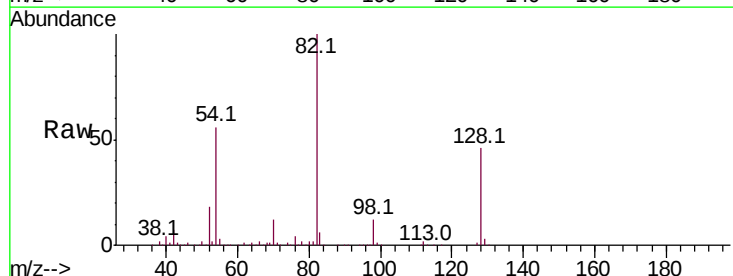
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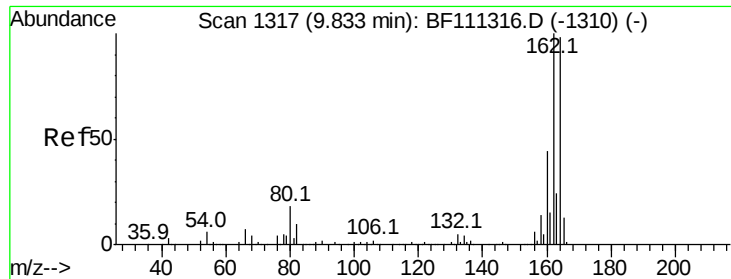
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#23
Nitrobenzene-d5
Concen: 32.567 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		444594		
128	46.3	37.4	56.2		
54	56.2	47.6	71.4		





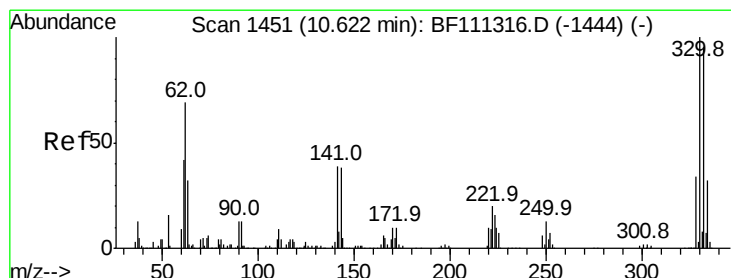
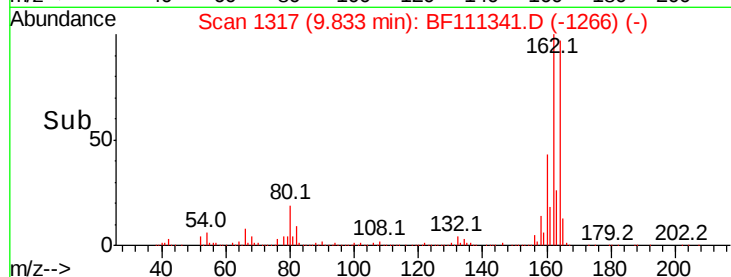
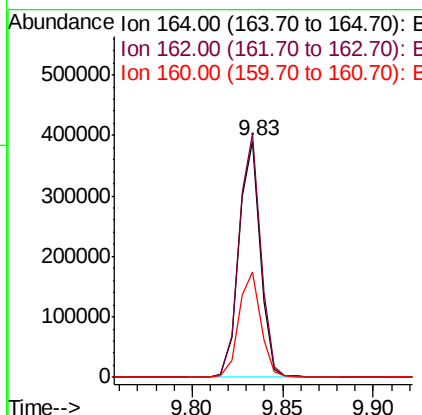
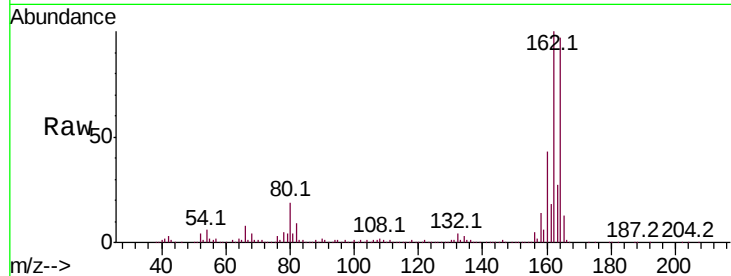
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	81.4	122.0	
160	44.4	35.7	53.5	

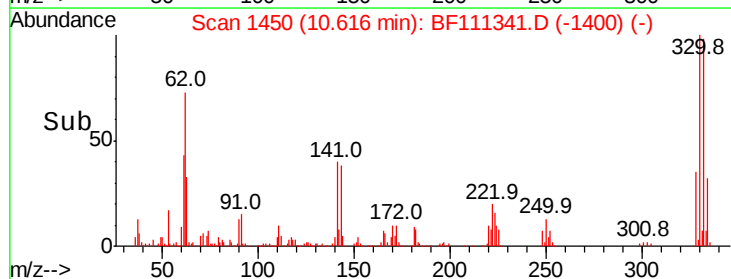
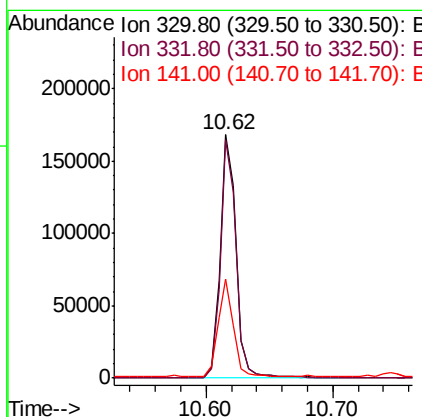
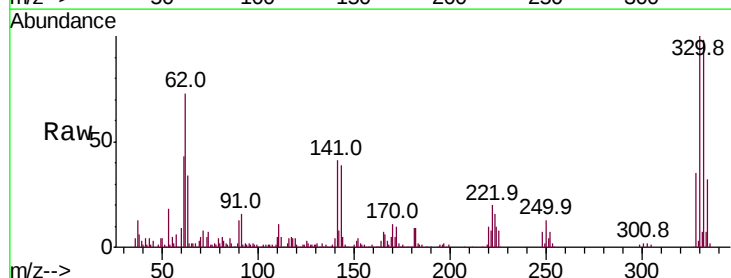
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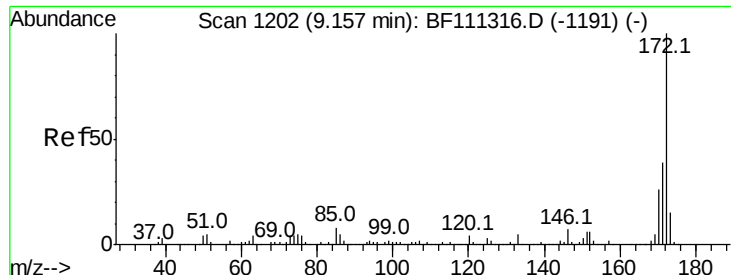
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#42
2,4,6-Tribromophenol
Concen: 52.587 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.0	114.0	
141	38.5	31.0	46.6	





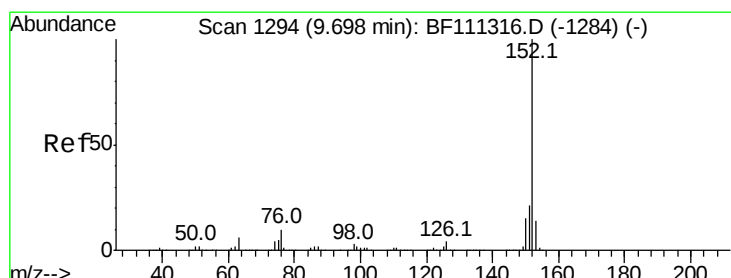
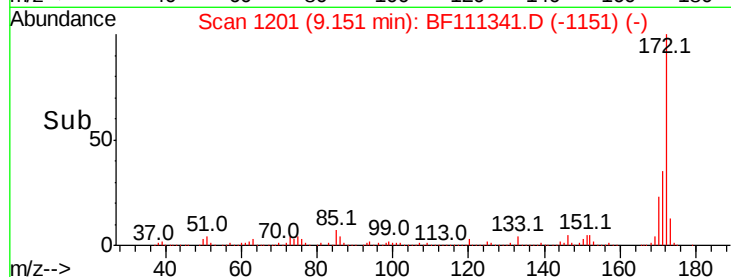
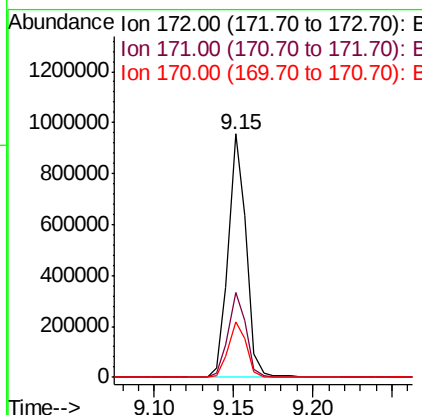
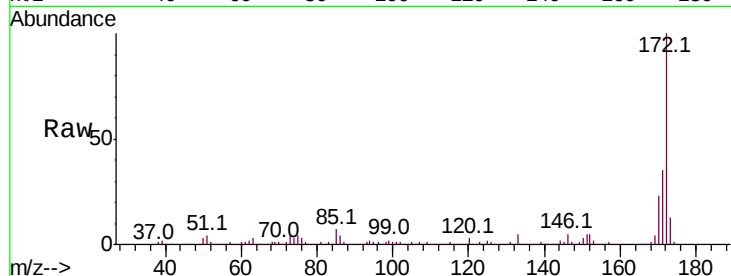
#45
2-Fluorobiphenyl
Concen: 37.460 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Resp	Lower	Upper
172	100	749962		
171	34.7		33.0	49.4
170	22.8		22.3	33.5

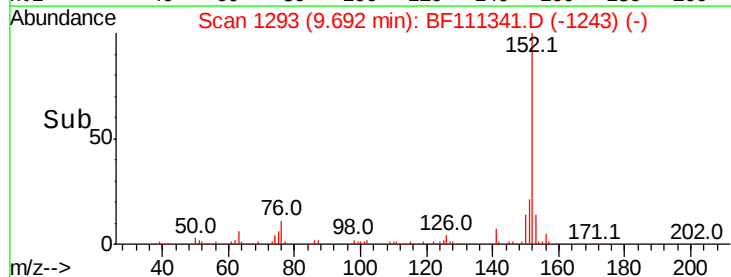
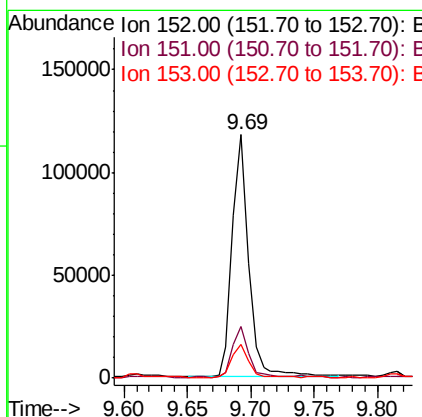
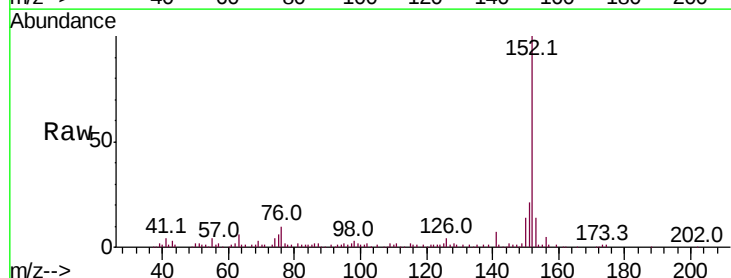
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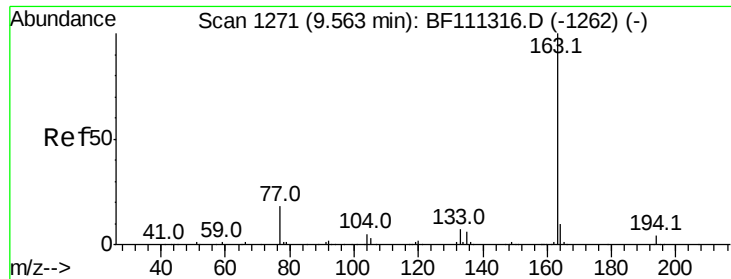
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#49
Acenaphthylene
Concen: 3.488 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	107031		
151	21.2		18.0	27.0
153	13.6		12.3	18.5





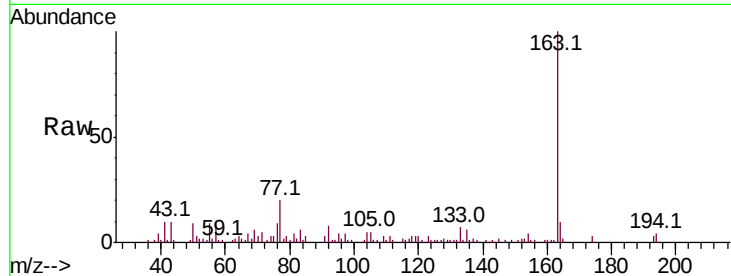
#50
Dimethylphthalate
Concen: 2.604 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Instrument :
BNA_F
ClientSampled :
OK-03-121118

Tot Ion	Ratio	Resp	Lower	Upper
163	100	60194		
194	4.0		3.0	4.6
164	10.4		8.9	13.3

Manual Integrations
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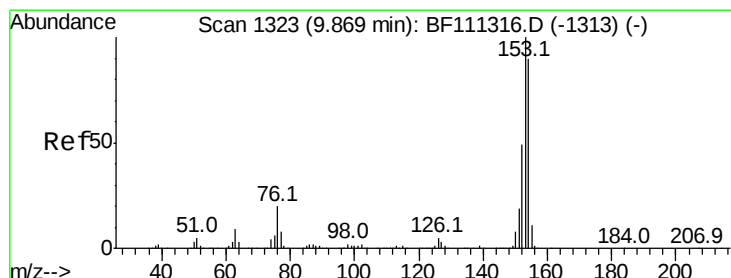
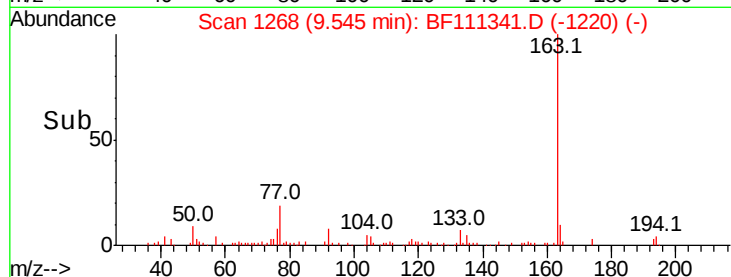
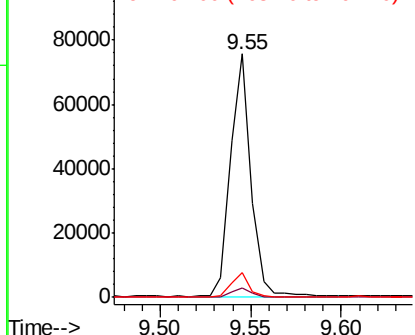


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 4.025 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

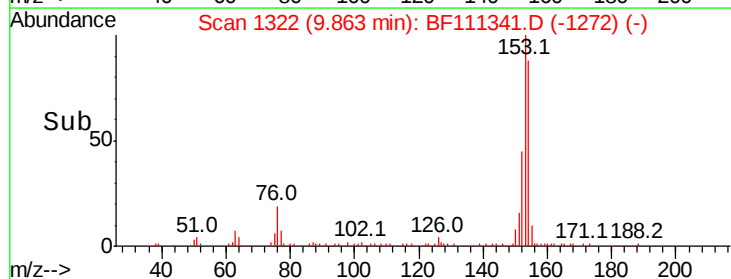
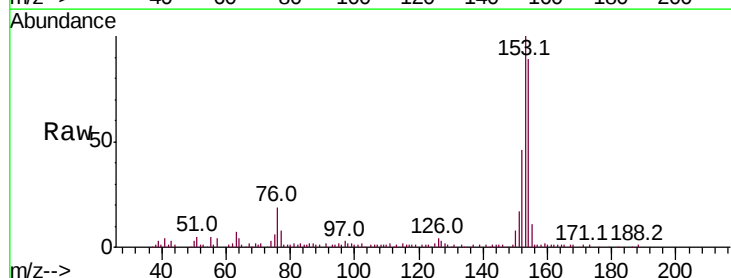
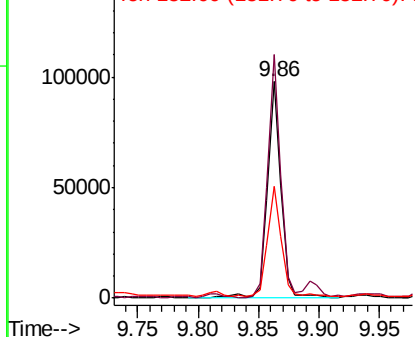
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	77900		
153	112.4		87.8	131.8
152	51.4		43.4	65.2

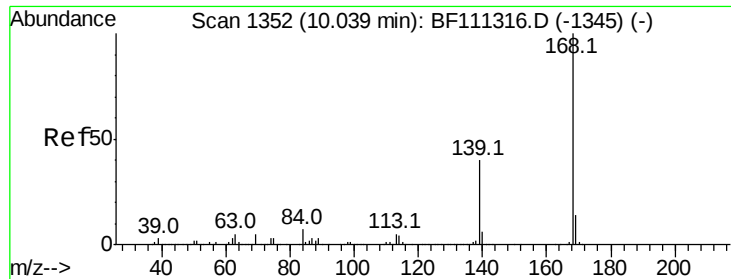
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





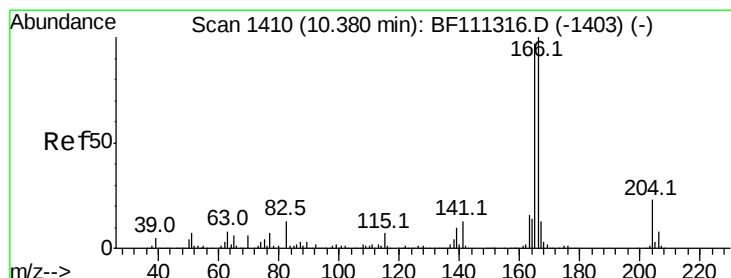
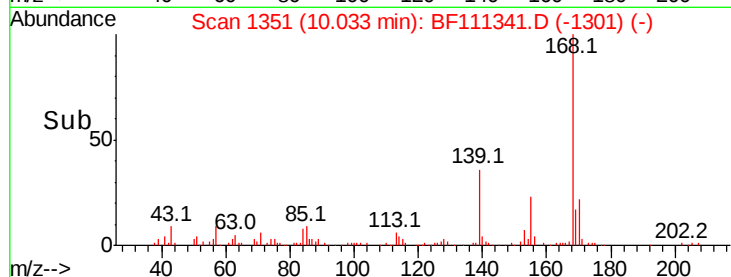
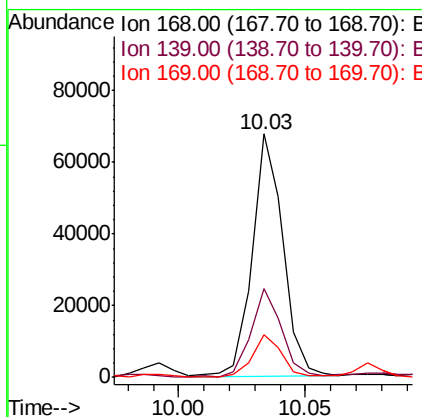
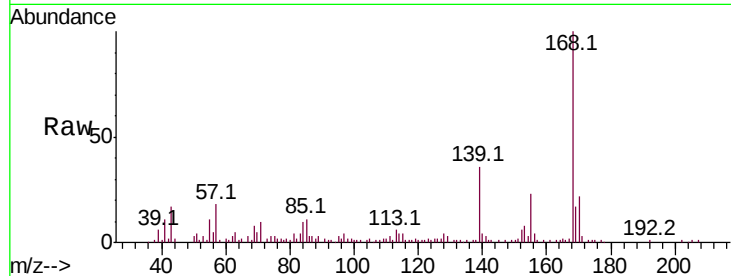
#55
Dibenzofuran
Concen: 2.031 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.5	32.6	49.0
169	17.3	11.8	17.6

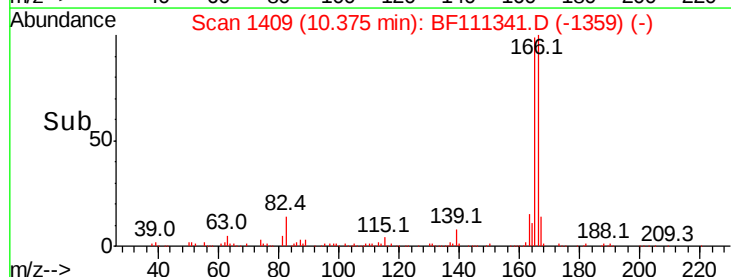
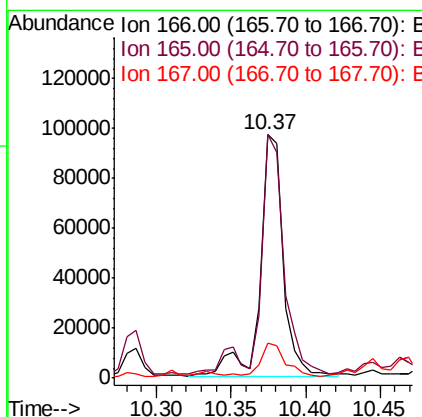
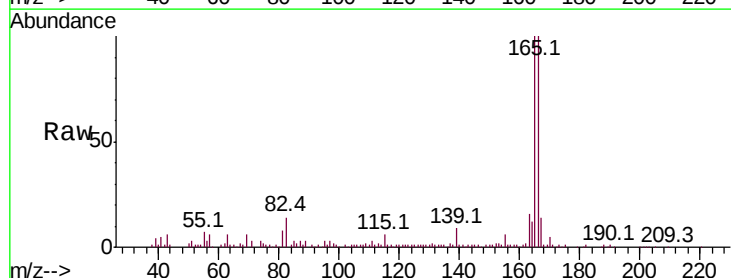
Manual Integrations
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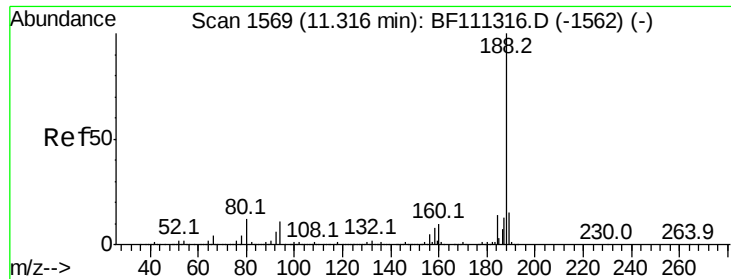
Sohil
12/13/2018 6:06:53 PM



#58
Fluorene
Concen: 5.173 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.4	117.6
167	14.2	11.2	16.8





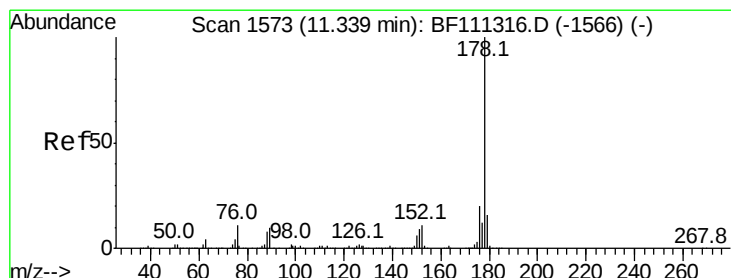
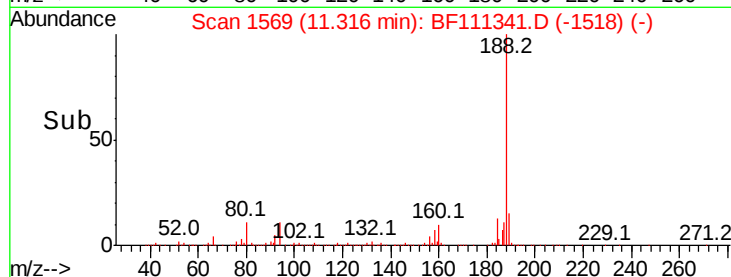
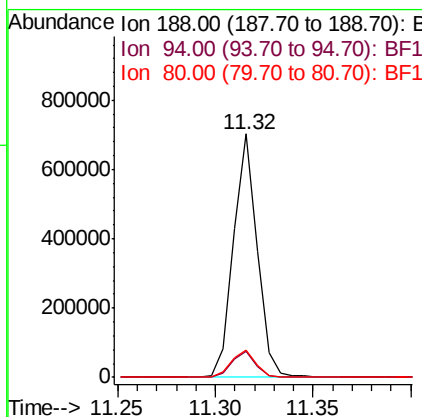
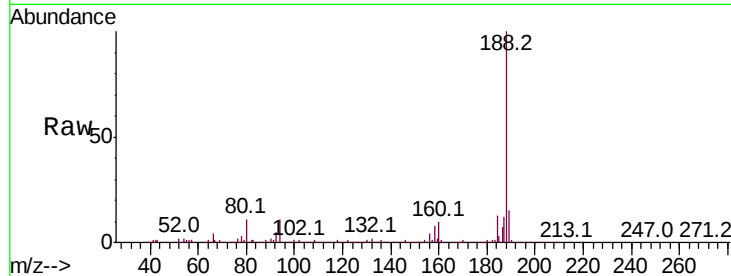
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.7	9.6	14.4
80	11.3	9.8	14.6

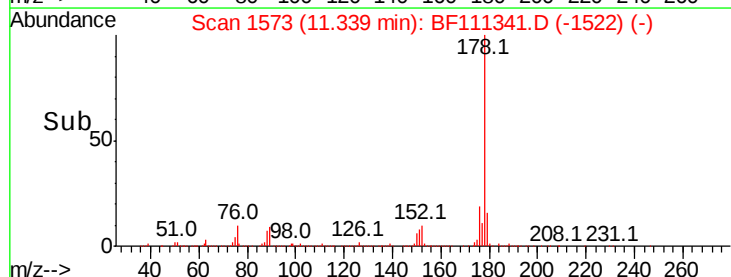
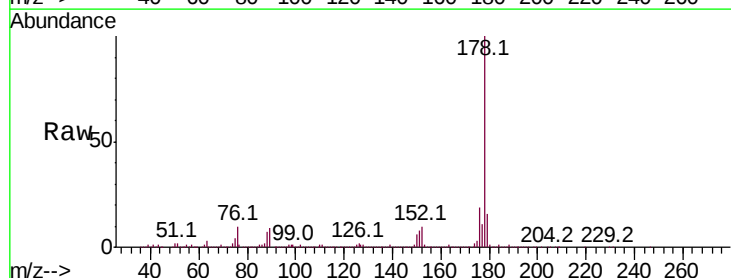
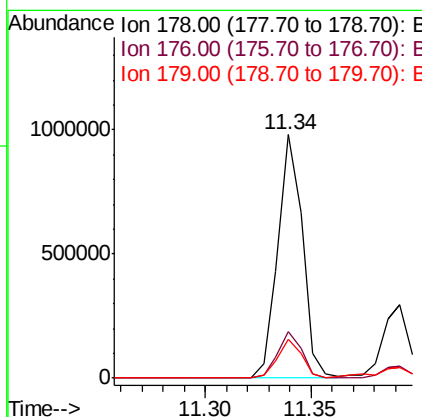
Manual Integrations
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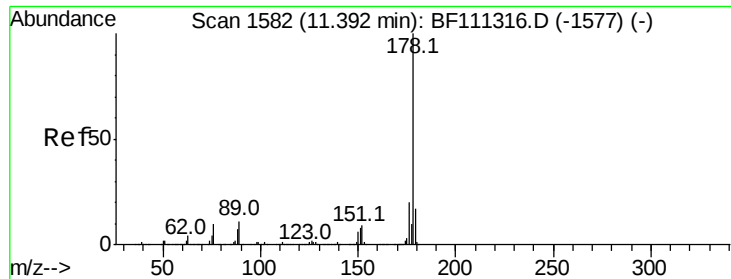
Sohil
12/13/2018 6:06:53 PM



#71
Phenanthrene
Concen: 25.978 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	18.1	27.1
179	16.2	14.0	21.0





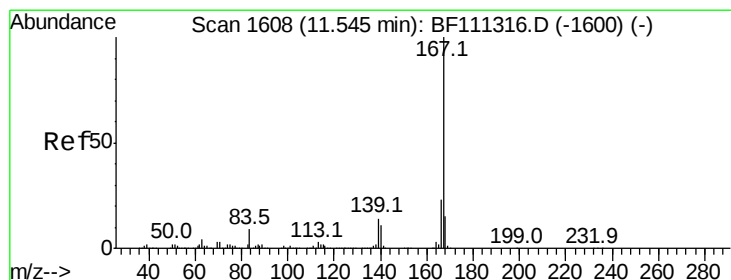
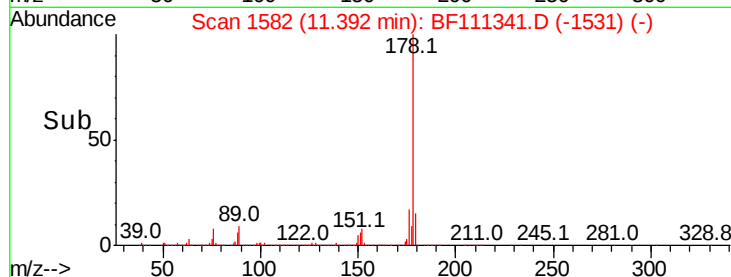
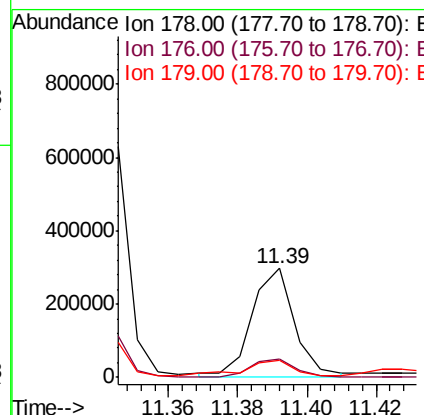
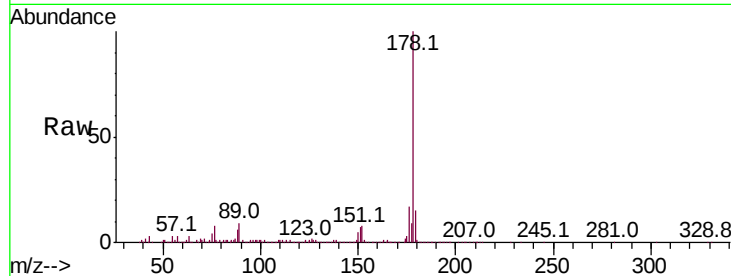
#72
 Anthracene
 Concen: 8.278 ng m
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF111341.D
 Acq: 13 Dec 2018 00:18

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-121118

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.9	17.2	25.8#
179	15.3	13.8	20.8

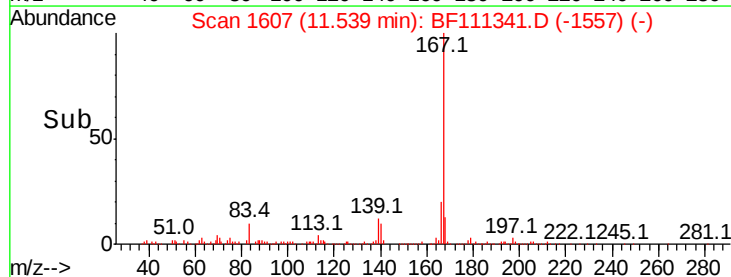
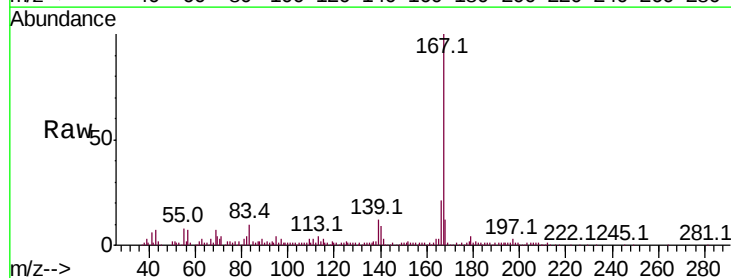
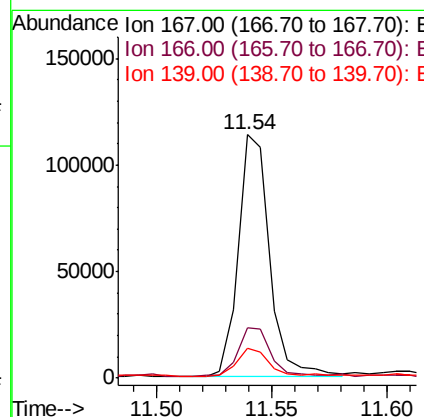
Manual Integrations
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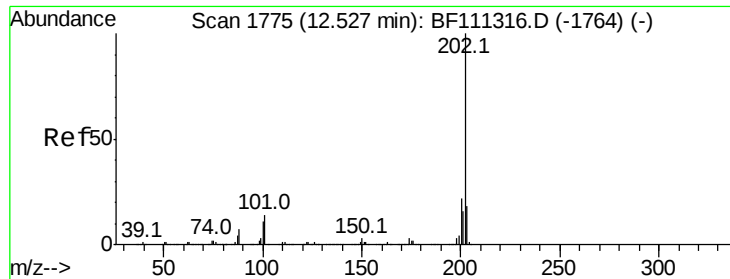
Sohil
 12/13/2018 6:06:53 PM



#73
 Carbazole
 Concen: 3.319 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111341.D
 Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	19.3	28.9
139	12.5	11.9	17.9





#75

Fluoranthene

Concen: 34.123 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Instrument :

BNA_F

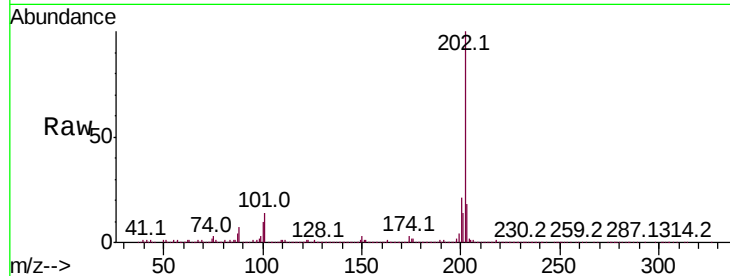
ClientSampled :

OK-03-121118

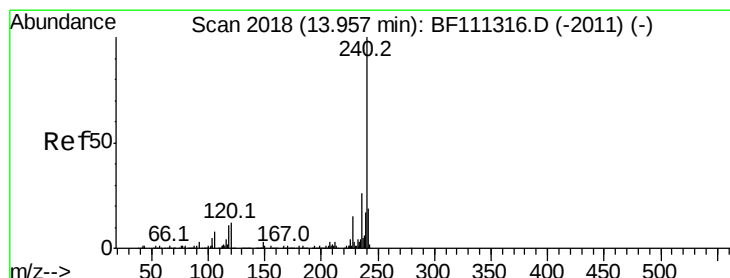
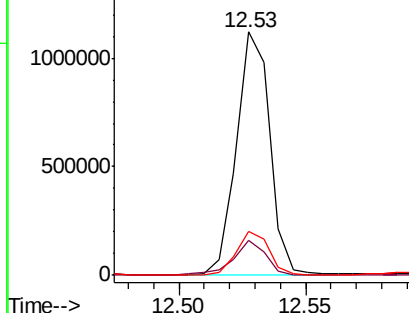
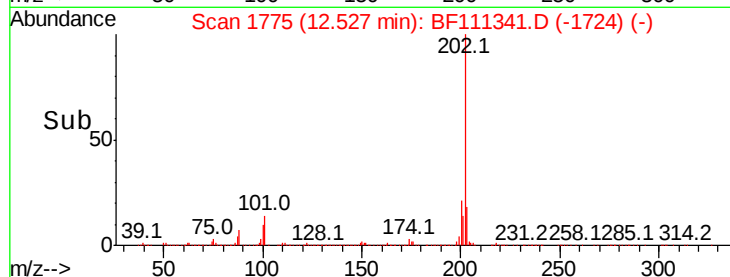
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.8
203	18.2	0.0	38.6

Manual Integrations
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12/13/2018 6:06:53 PM



Abundance Ion 202.00 (201.70 to 202.70): E
1500000 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

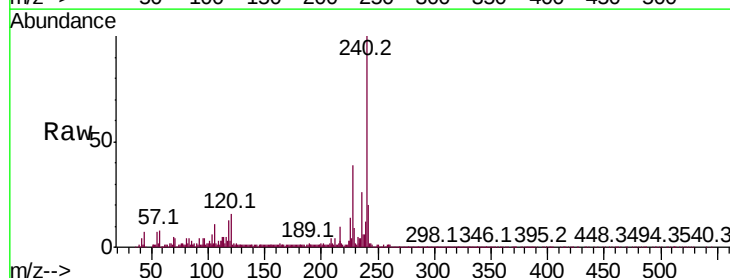
RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

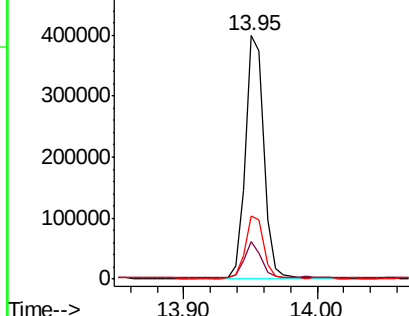
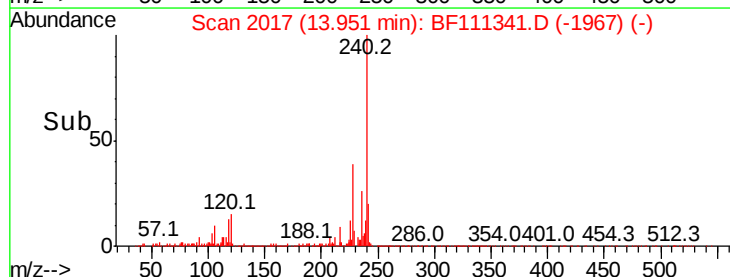
Lab File: BF111341.D

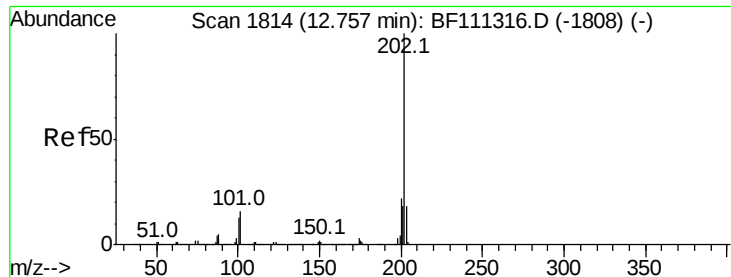
Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	12.2	18.2
236	26.2	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
500000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 34.812 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Instrument :

BNA_F

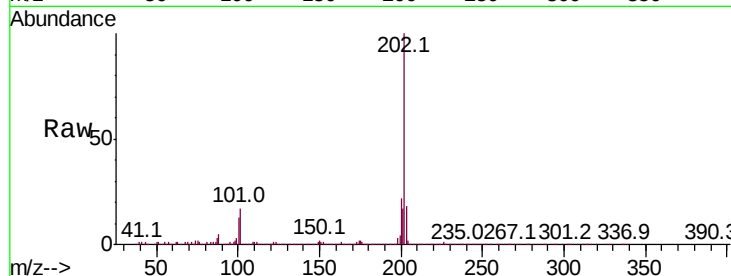
ClientSampled :

OK-03-121118

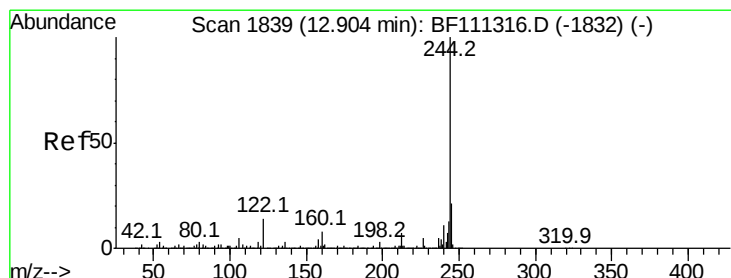
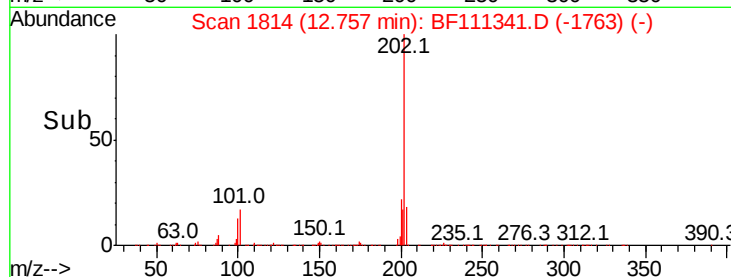
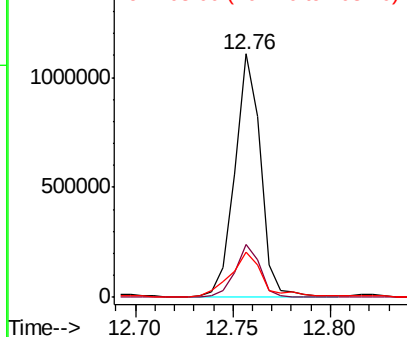
Tot Ion:	202	Resp:	1010410
Ion Ratio	Lower	Upper	
202	100		
200	21.6	19.0	28.4
203	18.4	15.2	22.8

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 39.488 ng

RT: 12.90 min Scan# 1839

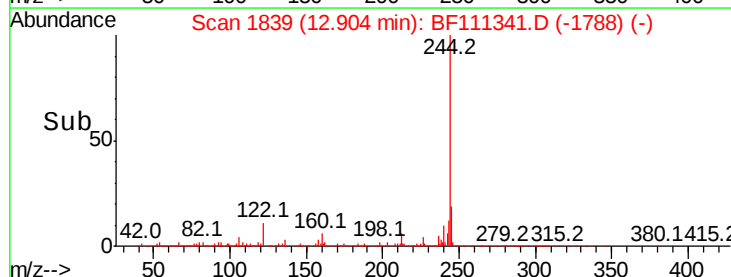
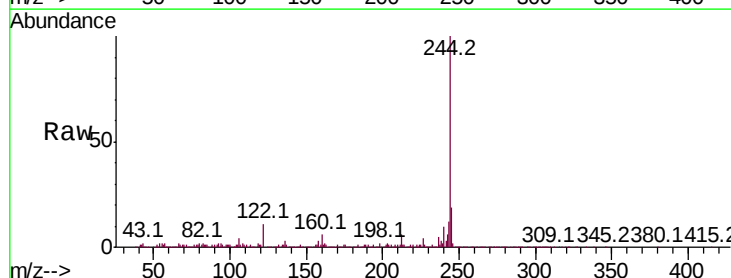
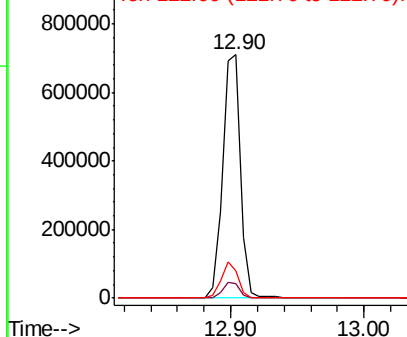
Delta R.T. 0.00 min

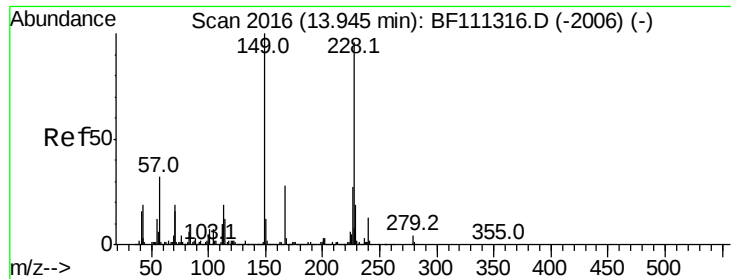
Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Tgt Ion:	244	Resp:	674745
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.7	8.5
122	11.3	13.1	19.7#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 16.256 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Instrument :

BNA_F

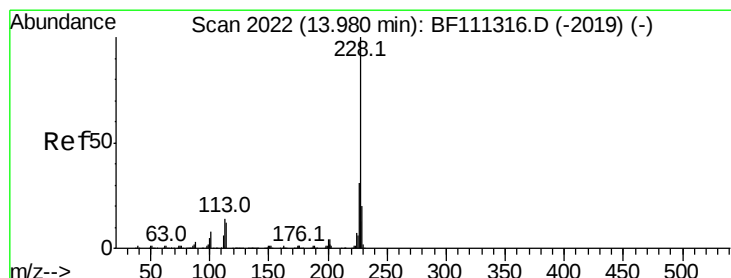
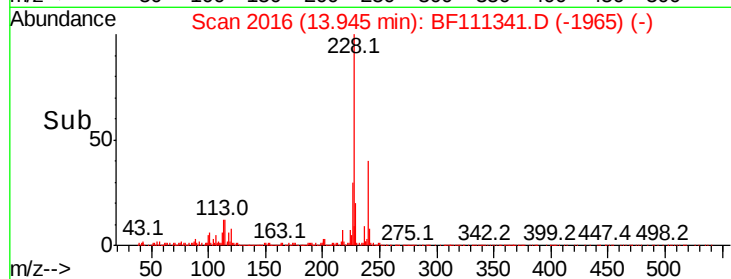
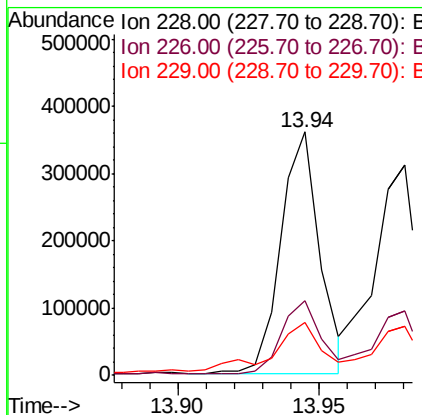
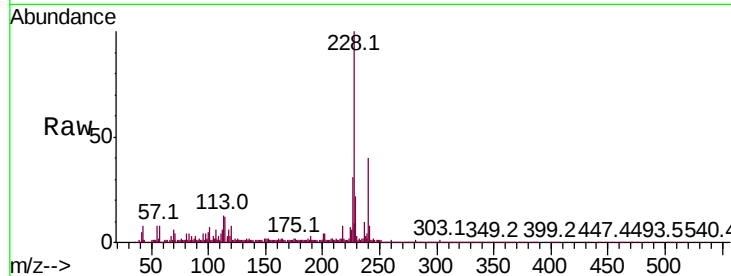
ClientSampleId :

OK-03-121118

Tot Ion:	228	Resp:	342064
Ion Ratio	Lower	Upper	
228	100		
226	30.6	22.6	34.0
229	21.7	16.3	24.5

Manual Integrations
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#83

Chrysene

Concen: 15.353 ng

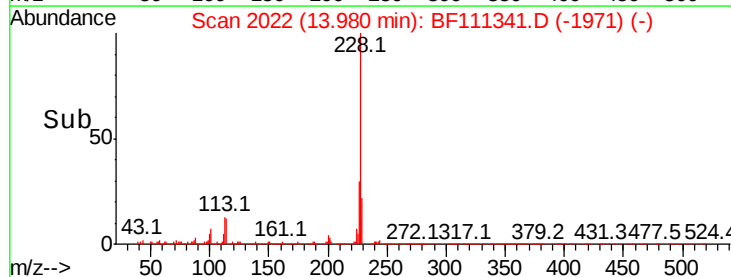
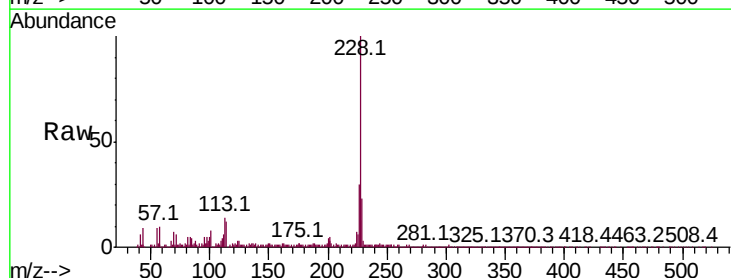
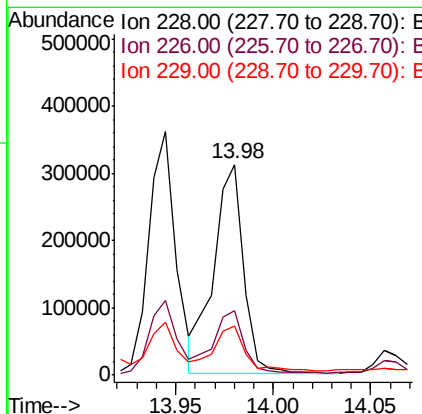
RT: 13.98 min Scan# 2022

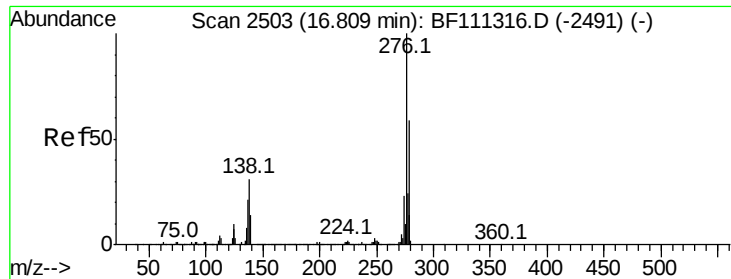
Delta R.T. 0.00 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Tgt Ion:	228	Resp:	329612
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.3	37.9
229	23.2	17.2	25.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 6.569 ng

RT: 16.81 min Scan# 2503

Delta R.T. 0.00 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Instrument :

BNA_F

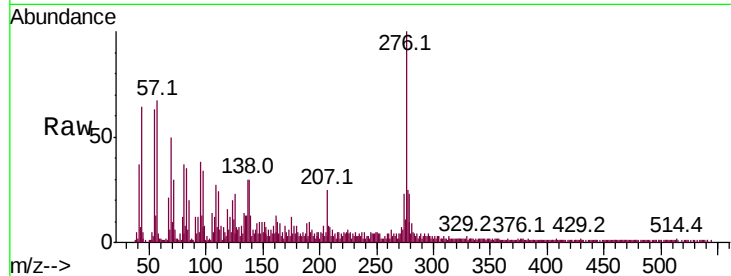
ClientSampleId :

OK-03-121118

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	27.8	41.6#
277	23.3	20.1	30.1

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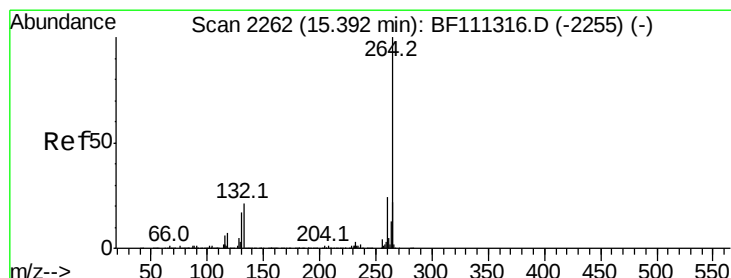
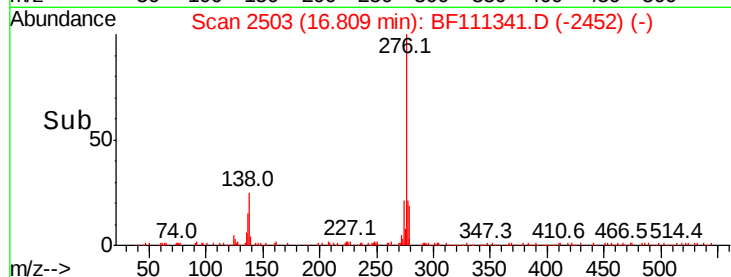
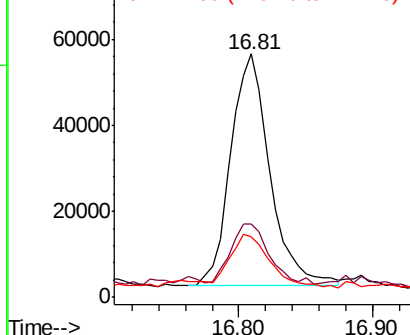


Abundance

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: 15.39 min Scan# 2262

Delta R.T. 0.00 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

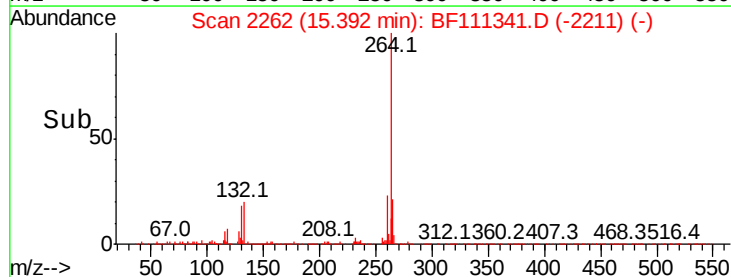
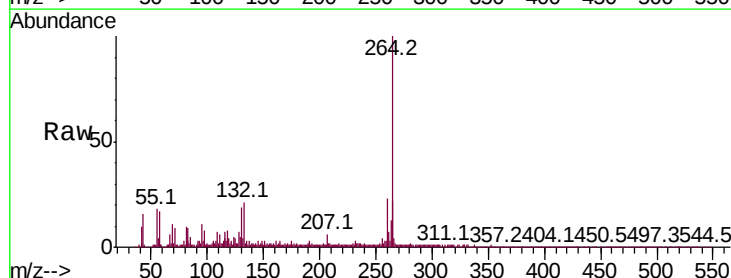
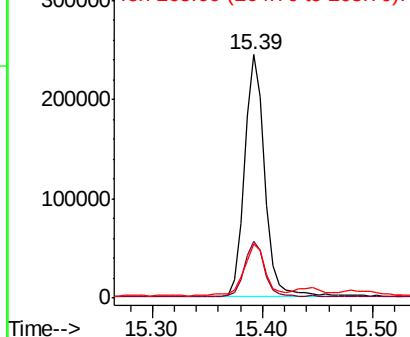
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	22.4	17.7	26.5

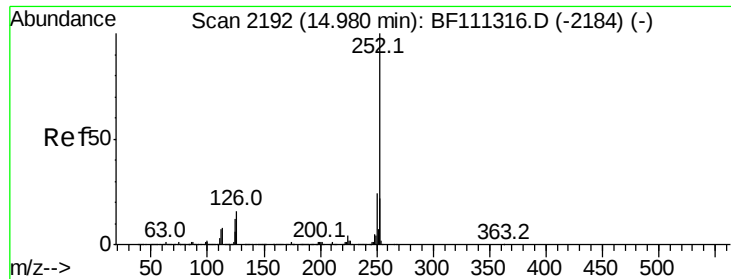
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 17.693 ng m

RT: 14.98 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Instrument :

BNA_F

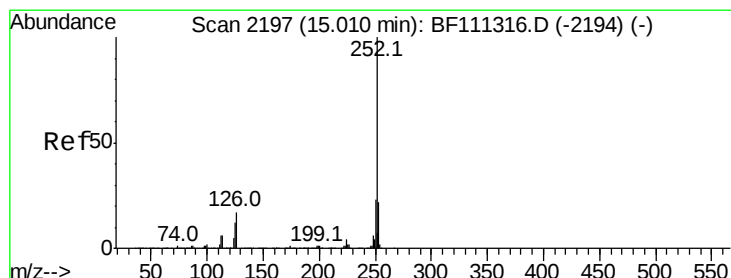
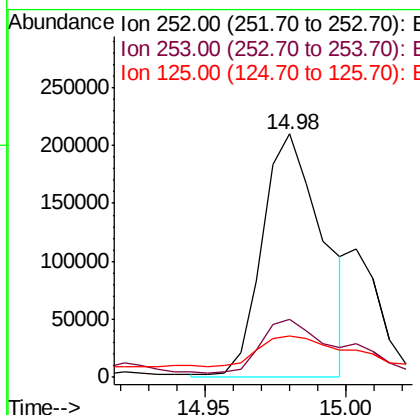
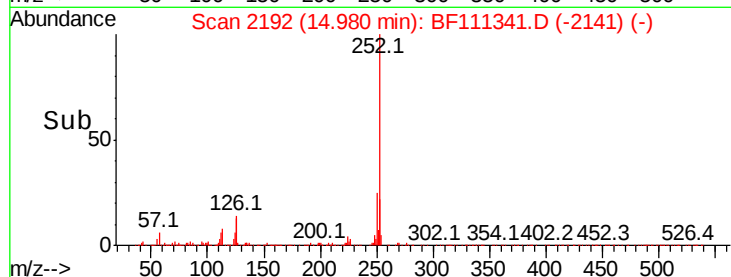
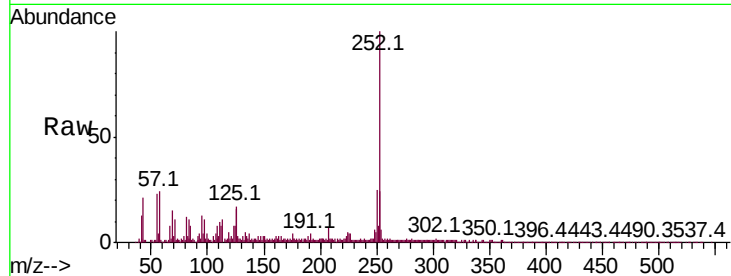
ClientSampleId :

OK-03-121118

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	17.2	10.4	15.6

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 5.072 ng m

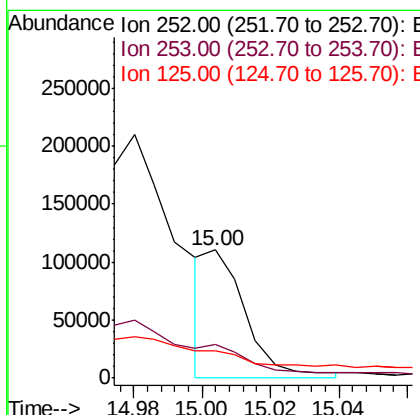
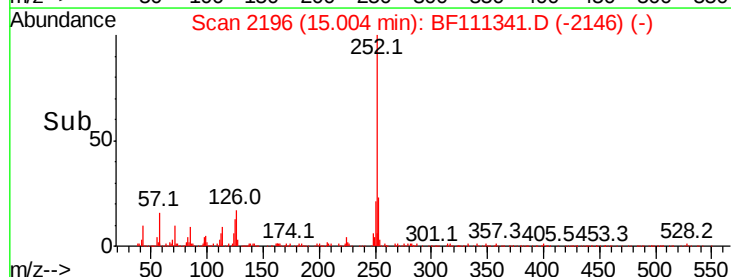
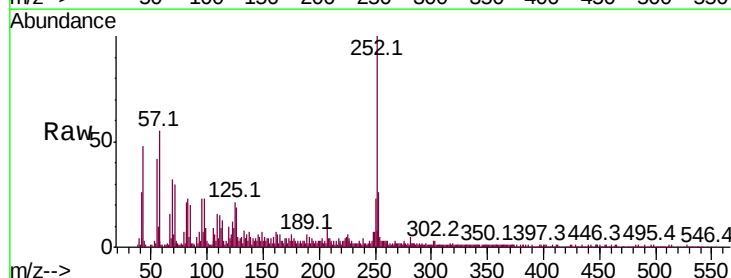
RT: 15.00 min Scan# 2196

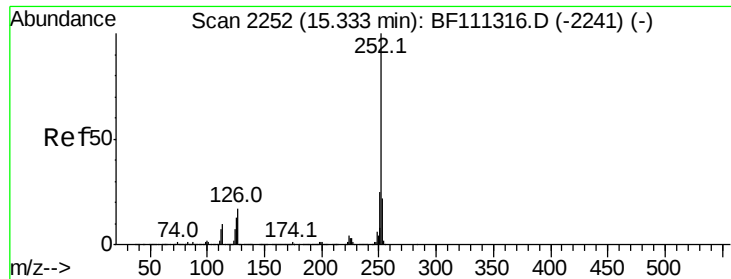
Delta R.T. -0.01 min

Lab File: BF111341.D

Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.1	27.1
125	20.8	9.8	14.8





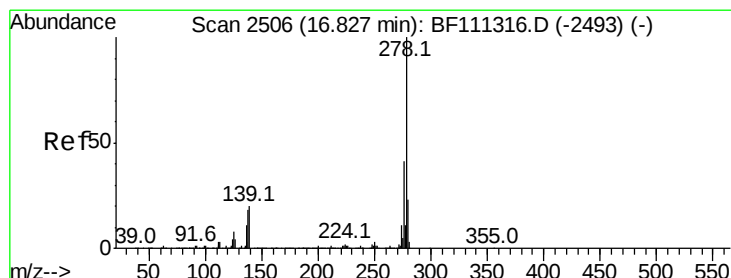
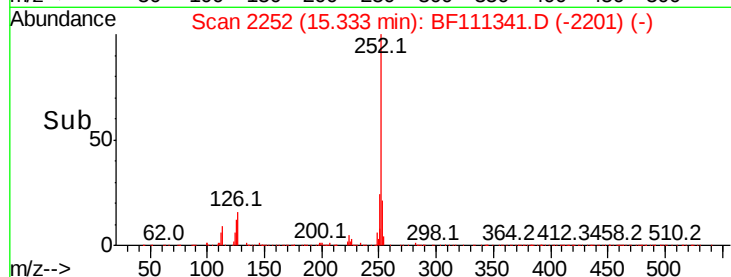
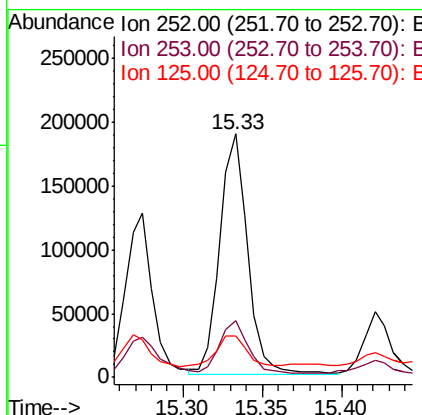
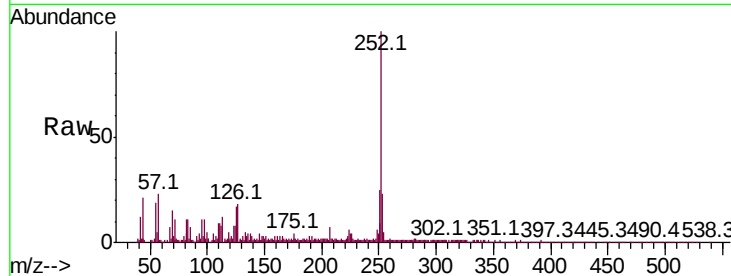
#90
Benzo(a)pyrene
Concen: 14.027 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.00 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	17.0	12.3	18.5

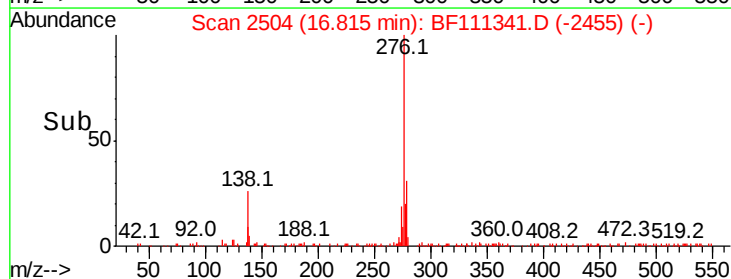
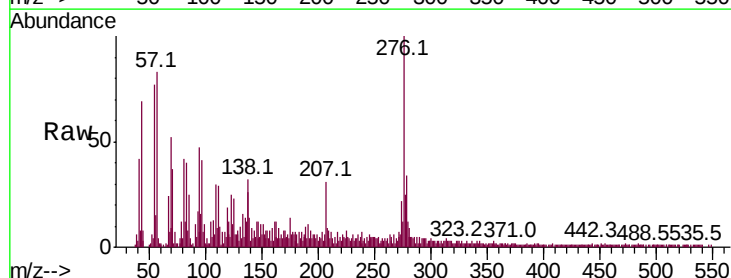
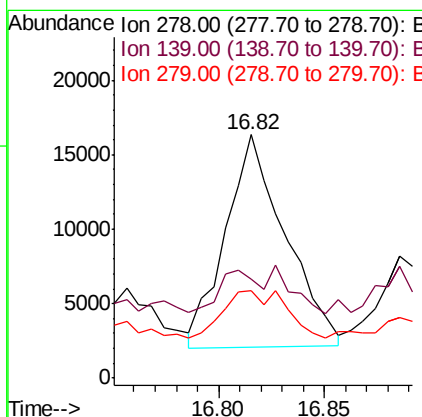
Manual Integrations
APPROVED

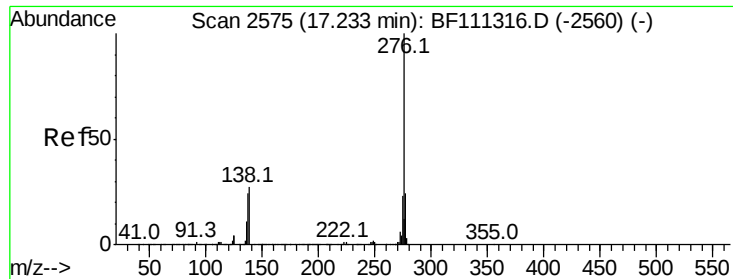
Sohil
12/13/2018 6:06:53 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.034 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BF111341.D
Acq: 13 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.7	18.2	27.4#
279	36.2	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 7.920 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.00 min
 Lab File: BF111341.D
 Acq: 13 Dec 2018 00:18

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-121118

Tot Ion:	276	Resp:	109236
Ion Ratio	Lower	Upper	
276	100		
277	27.4	19.2	28.8
138	26.8	24.9	37.3

Manual Integrations
 APPROVED

Sohil
 12/13/2018 6:06:53 PM

