

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
 Data File : BF112203.D
 Acq On : 23 Jan 2019 15:51
 Operator : JU/SJ
 Sample : K1220-03 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1

Manual Integrations
 APPROVED

Sohil
 1/24/2019 11:30:26 AM

Quant Time: Jan 23 16:22:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	240186	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	906997	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	382262	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	642531	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	611873	20.00	ng	0.00
87) Perylene-d12	15.50	264	562144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	599638	45.31	ng	-0.01
7) Phenol-d6	6.49	99	756644	45.70	ng	-0.01
23) Nitrobenzene-d5	7.41	82	475323	36.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	191377	46.41	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	926302	35.53	ng	-0.01
79) Terphenyl-d14	12.96	244	841103	29.24	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	65625	3.627	ng	Qvalue 81
20) 3+4-Methylphenols	7.27	107	48111	3.438	ng	# 55
50) Dimethylphthalate	9.60	163	70523	2.530	ng	99
52) Acenaphthene	9.92	154	111682	4.999	ng	97
55) Dibenzofuran	10.09	168	127989	3.789	ng	99
58) Fluorene	10.43	166	152331	6.035	ng	99
70) Pentachlorophenol	11.20	266	3061	6.837	ng	# 83
71) Phenanthrene	11.40	178	722030	22.329	ng	98
72) Anthracene	11.45	178	137293	4.191	ng	98
75) Fluoranthene	12.59	202	801910	23.488	ng	99
78) Pyrene	12.82	202	635035	15.731	ng	98
80) Butylbenzylphthalate	13.44	149	40506	2.287	ng	# 77
81) Benzo(a)anthracene	14.02	228	243003	6.927	ng	99
83) Chrysene	14.05	228	220467	6.641	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	123010	4.846	ng	# 89
86) Indeno(1,2,3-cd)pyrene	16.99	276	72634	2.372	ng	94
88) Benzo(b)fluoranthene	15.07	252	267357m	8.379	ng	
89) Benzo(k)fluoranthene	15.10	252	62891m	2.036	ng	
90) Benzo(a)pyrene	15.44	252	133160	4.550	ng	# 83
92) Benzo(a,h,i)perylene	17.44	276	67656	2.642	ng	# 91

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

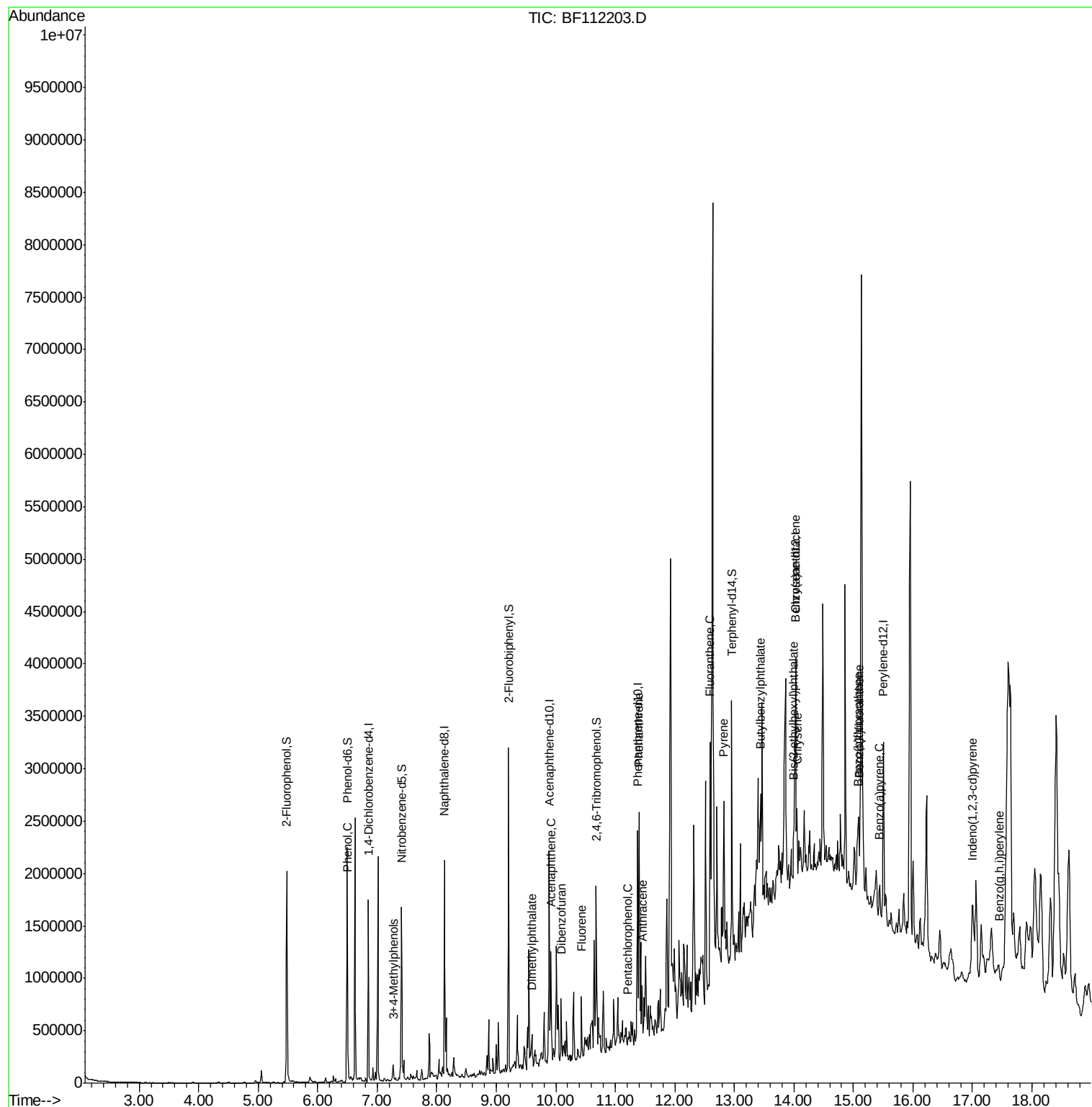
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

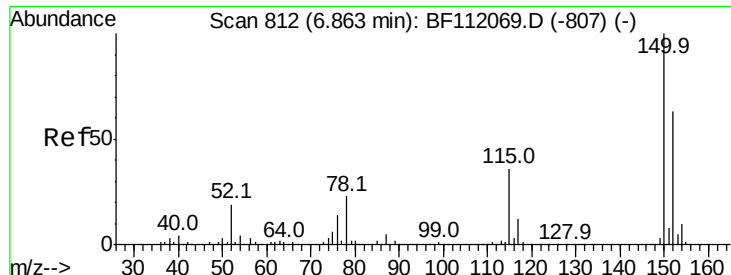
Instrument :
BNA_F
ClientSampled :
T-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

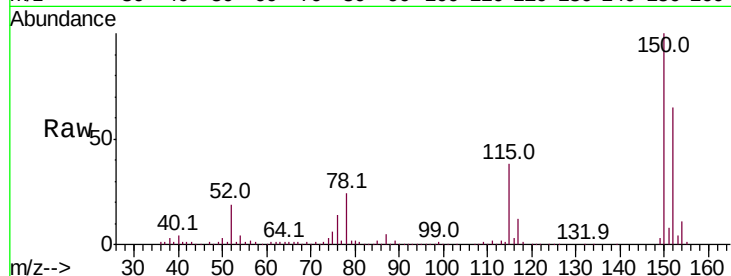
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampled :
T-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	127.4	191.0
115	58.3	45.5	68.3

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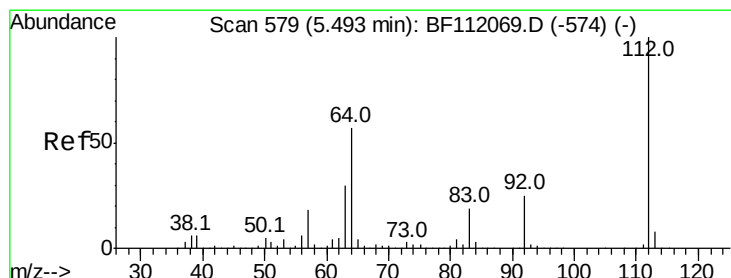
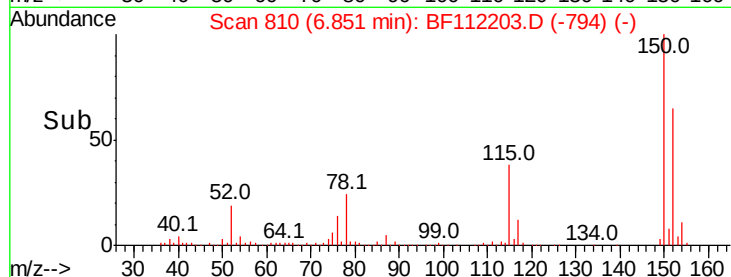
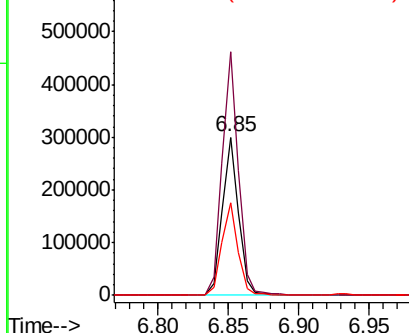


Abundance

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: 45.313 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

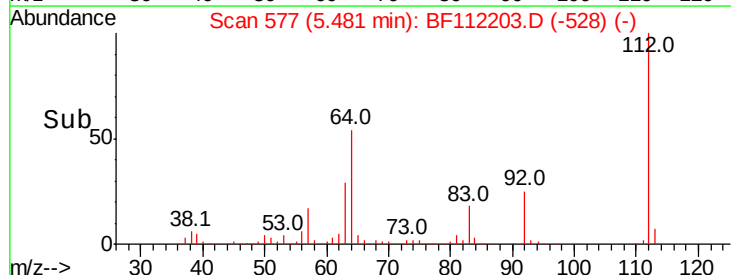
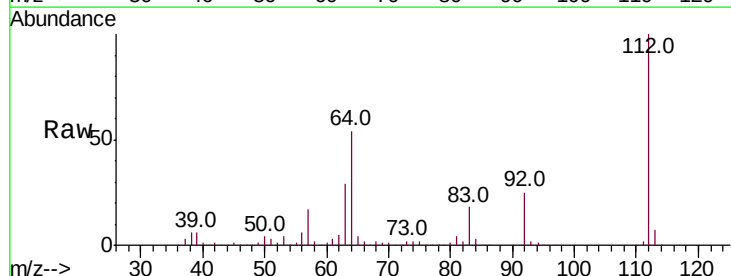
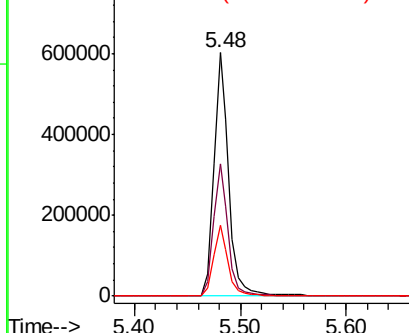
Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	45.7	68.5
63	29.1	23.6	35.4

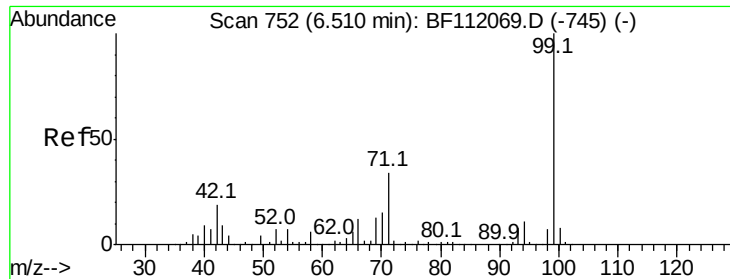
Abundance

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: 45.700 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112203.D

Acq: 23 Jan 2019 15:51

Instrument :

BNA_F

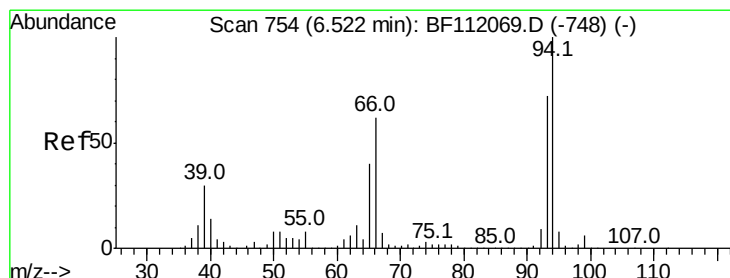
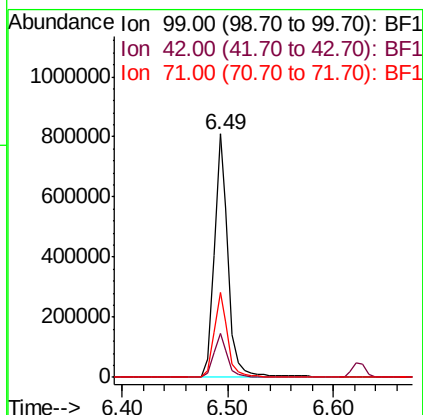
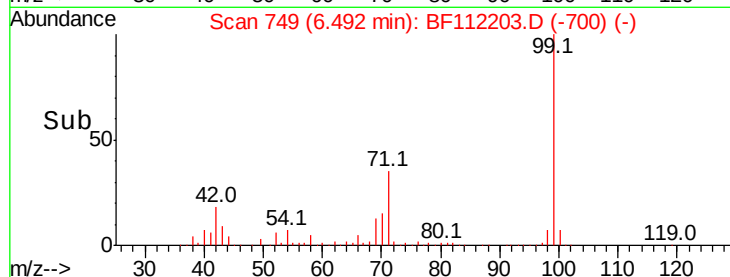
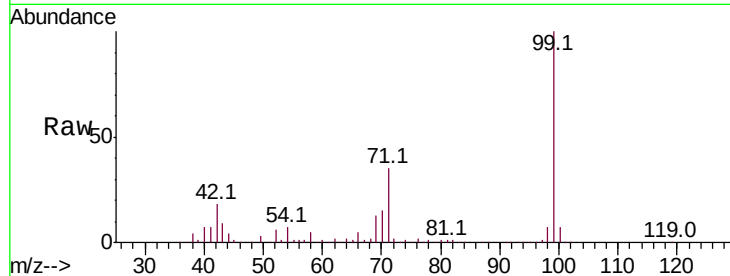
ClientSampled :

T-1

Tot Ion:	99	Resp:	756644
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.1	22.7
71	34.7	26.9	40.3

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#10

Phenol

Concen: 3.627 ng

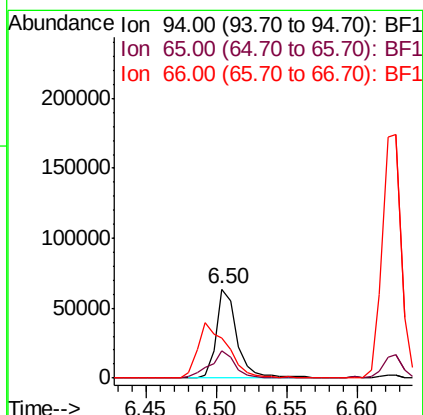
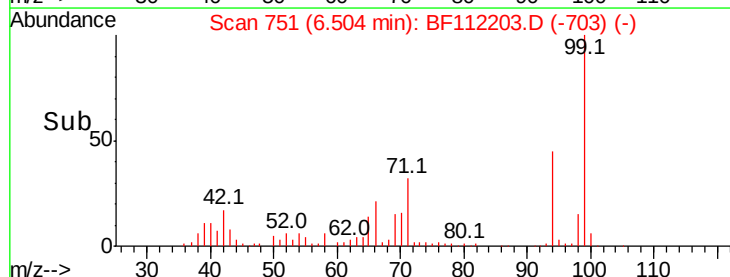
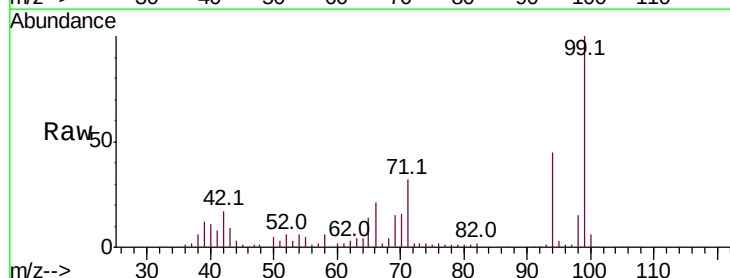
RT: 6.50 min Scan# 751

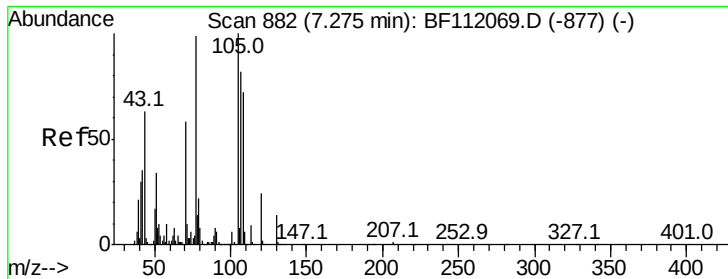
Delta R.T. -0.02 min

Lab File: BF112203.D

Acq: 23 Jan 2019 15:51

Tgt Ion:	94	Resp:	65625
Ion	Ratio	Lower	Upper
94	100		
65	30.5	20.3	60.3
66	45.7	42.4	82.4





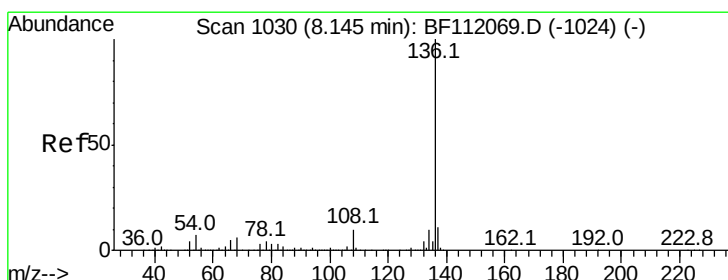
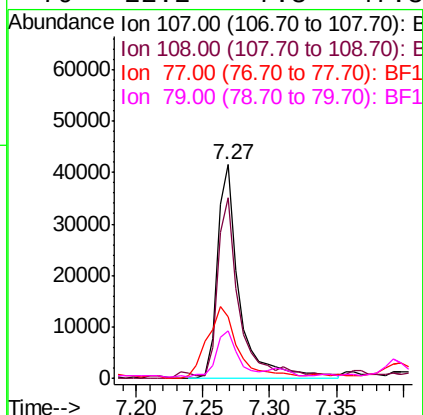
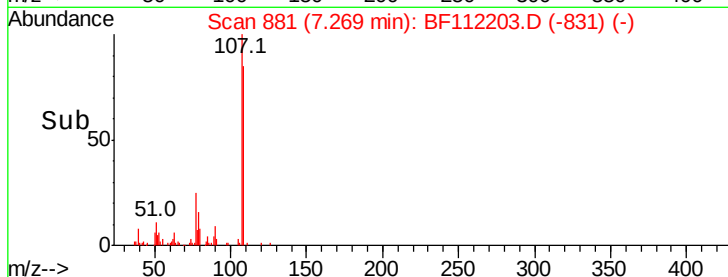
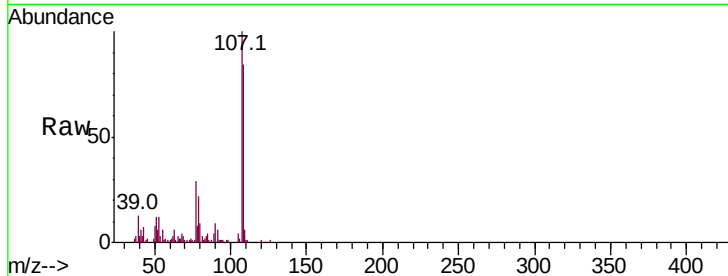
#20
3+4-Methylphenols
Concen: 3.438 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
T-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	48111		
108	108	84.2		68.2	108.2
77	77	28.6		100.7	140.7#
79	79	22.2		7.3	47.3

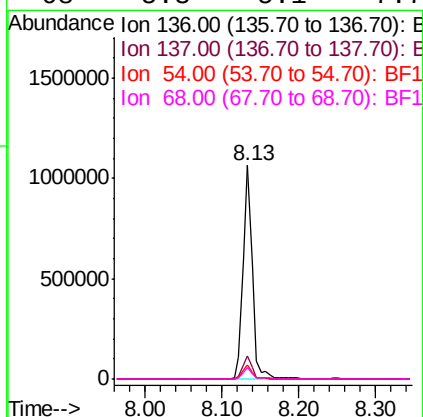
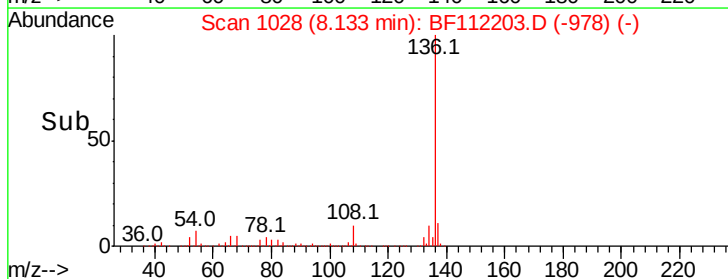
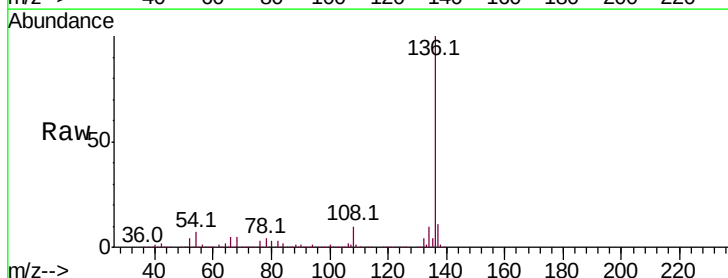
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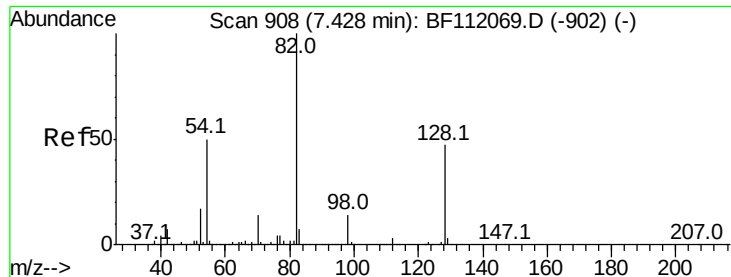
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	906997		
137	137	11.1		9.1	13.7
54	54	6.6		5.9	8.9
68	68	5.3		5.1	7.7





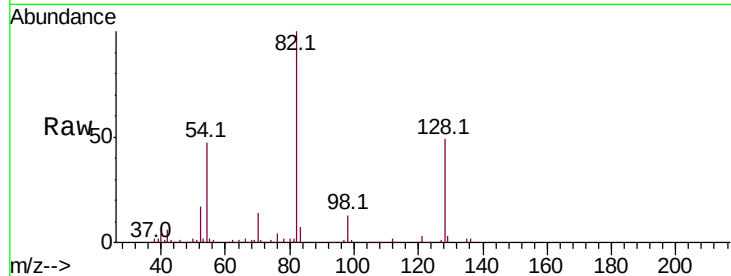
#23
Nitrobenzene-d5
Concen: 36.207 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampled :
T-1

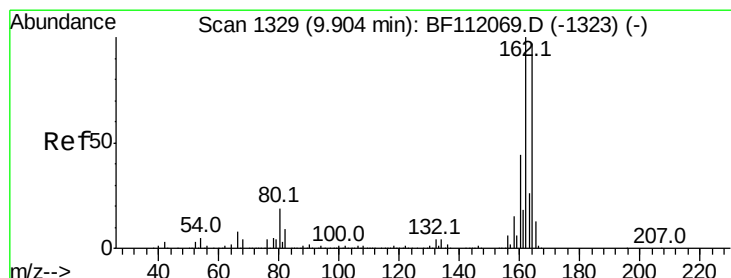
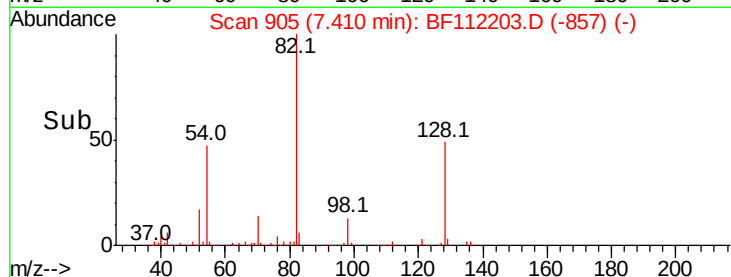
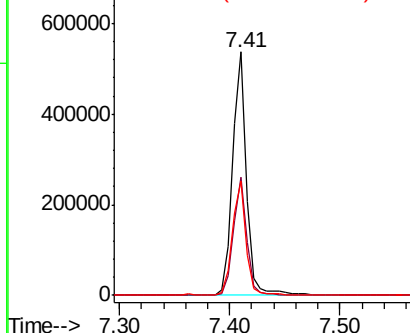
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.8	56.8
54	46.9	39.7	59.5

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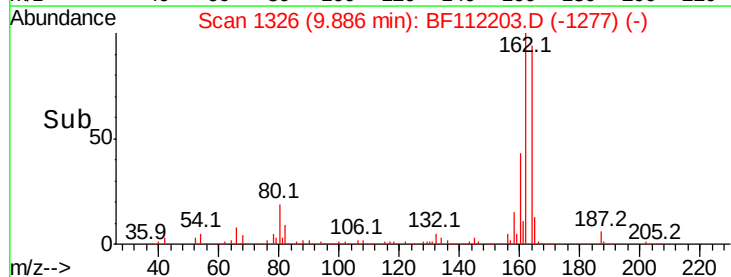
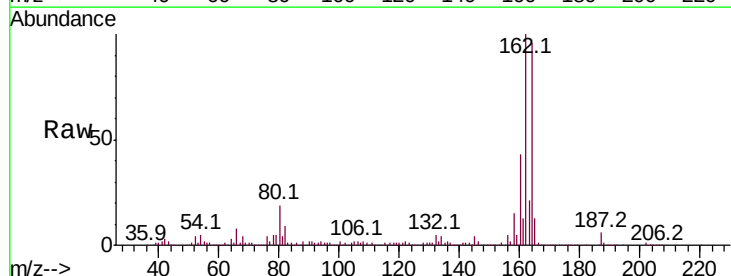
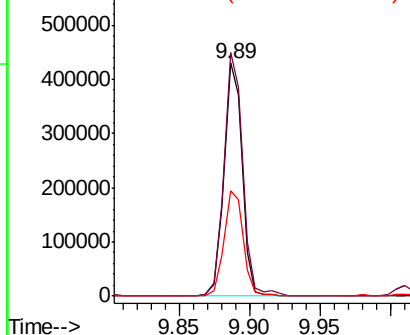
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

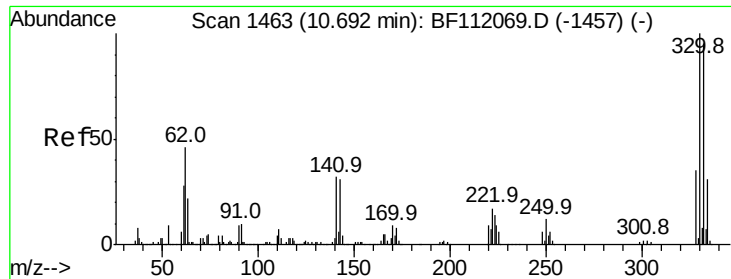


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.2	123.4
160	45.3	36.2	54.4

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: 46.408 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112203.D

Acq: 23 Jan 2019 15:51

Instrument :

BNA_F

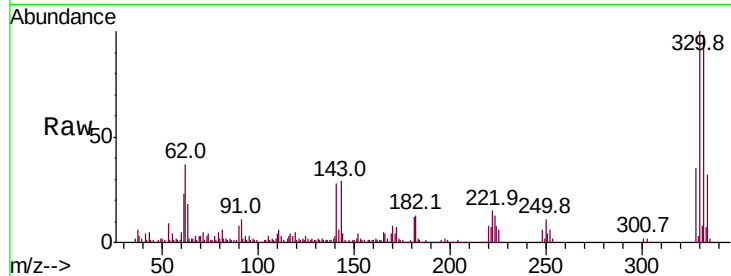
ClientSampled :

T-1

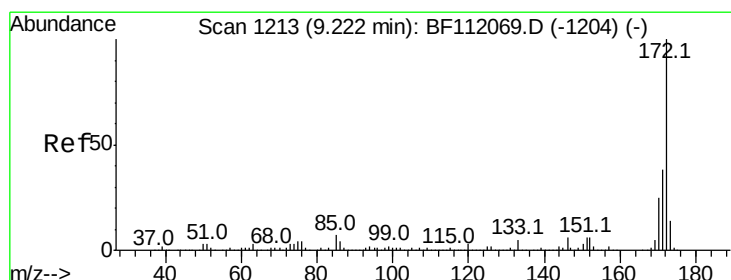
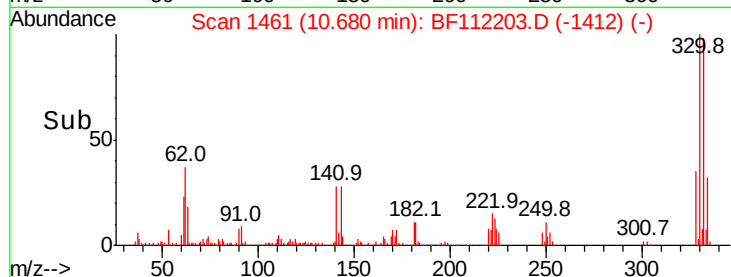
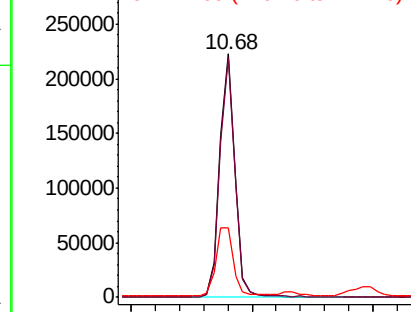
Tot Ion:	330	Resp:	191377
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	114.8
141	33.3	24.3	36.5

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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: 35.527 ng

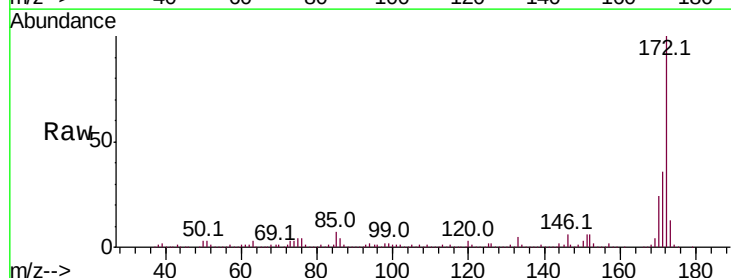
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

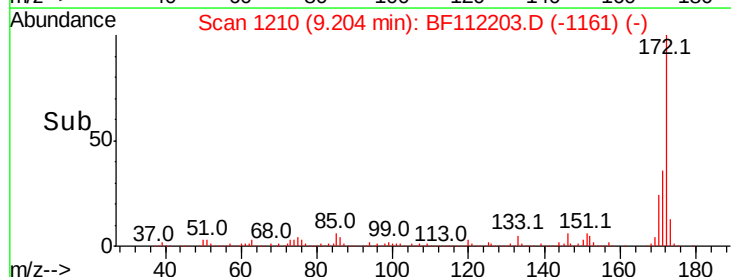
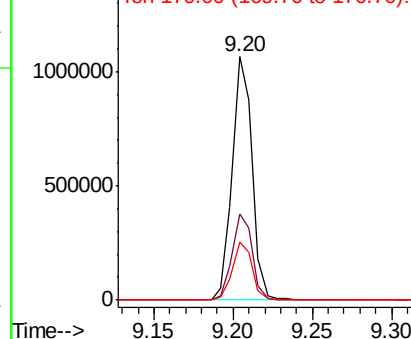
Lab File: BF112203.D

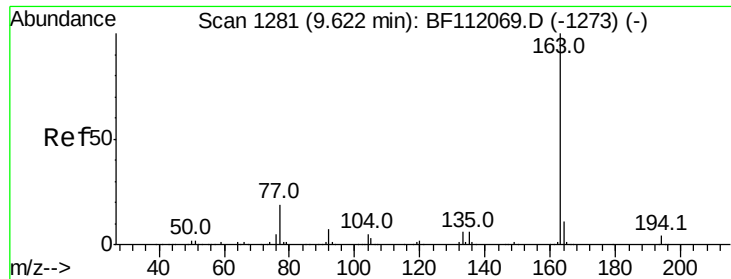
Acq: 23 Jan 2019 15:51

Tgt Ion:	172	Resp:	926302
Ion Ratio	Lower	Upper	
172	100		
171	35.5	30.5	45.7
170	23.9	20.2	30.4



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





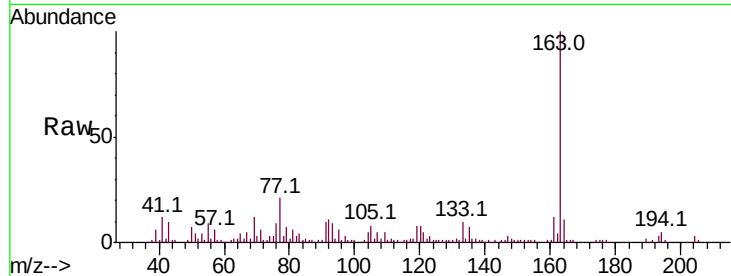
#50
Dimethylphthalate
Concen: 2.530 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
T-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	70523		
194	4.7		3.3	4.9
164	10.6		8.5	12.7

Manual Integrations
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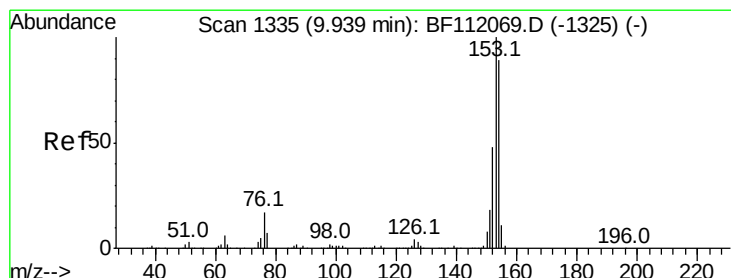
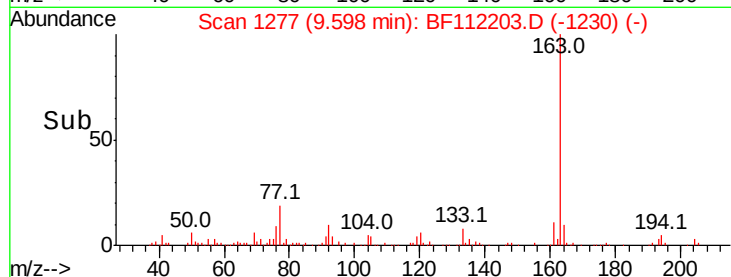
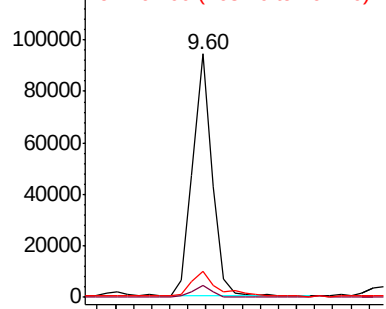


Abundance

Ion 163.00 (162.70 to 163.70): E

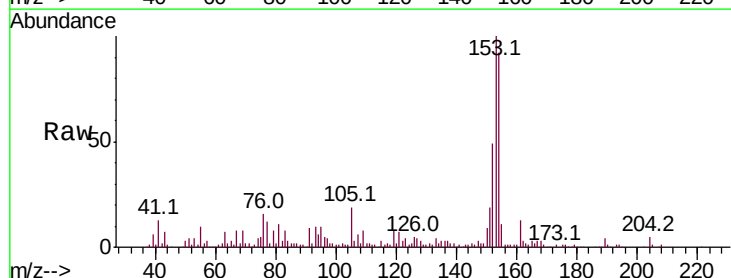
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 4.999 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	111682		
153	109.2		89.8	134.6
152	53.0		43.5	65.3

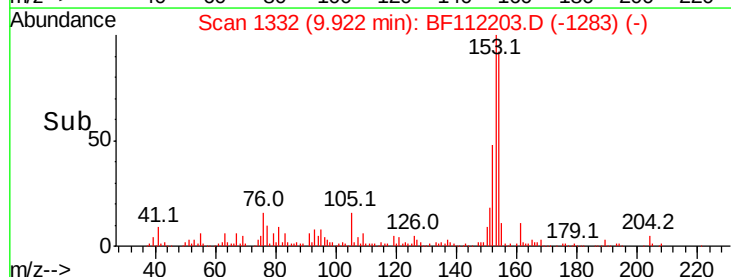
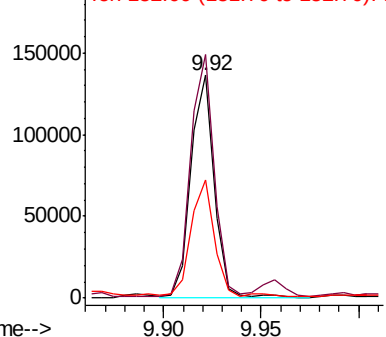


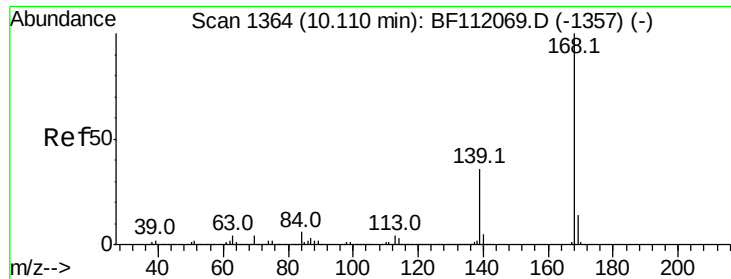
Abundance

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





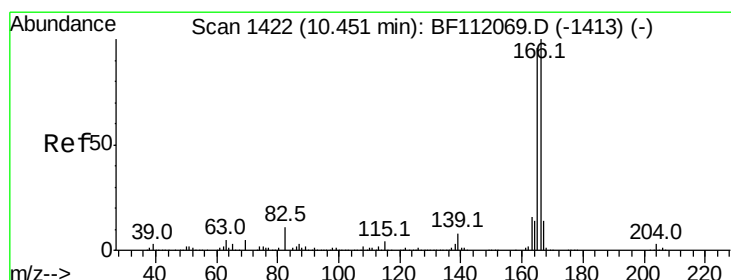
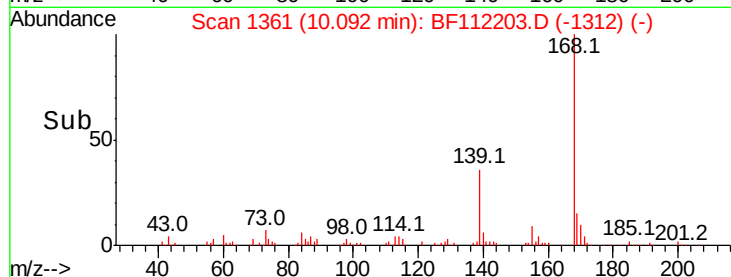
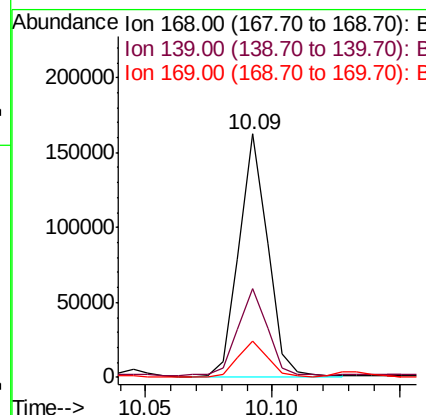
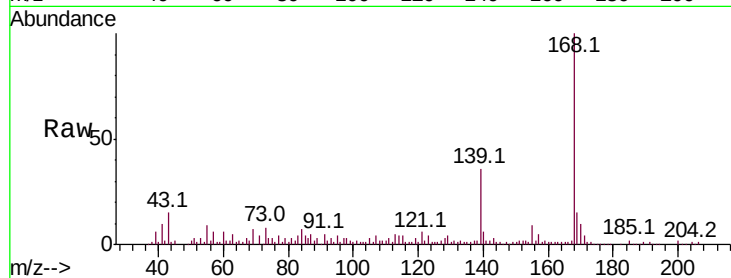
#55
Dibenzofuran
Concen: 3.789 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampled :
T-1

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.2	43.8
169	15.0	11.4	17.0

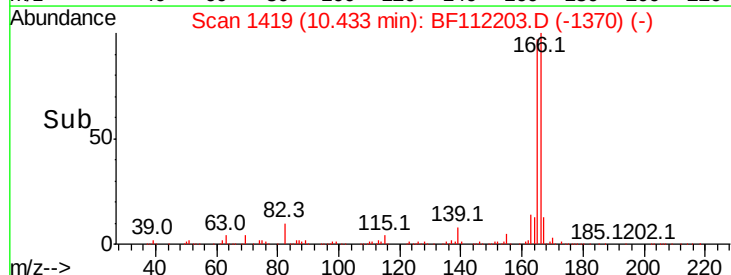
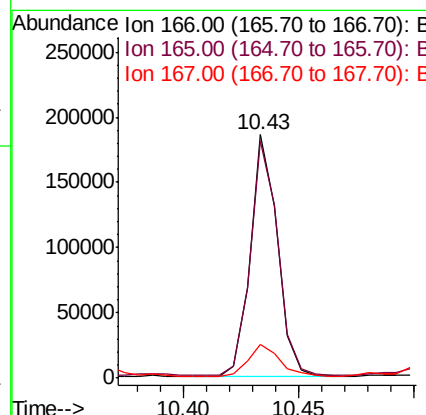
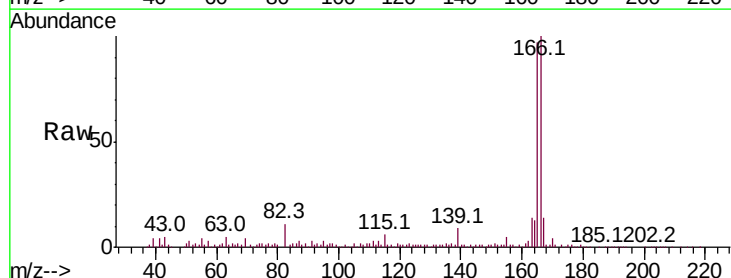
Manual Integrations
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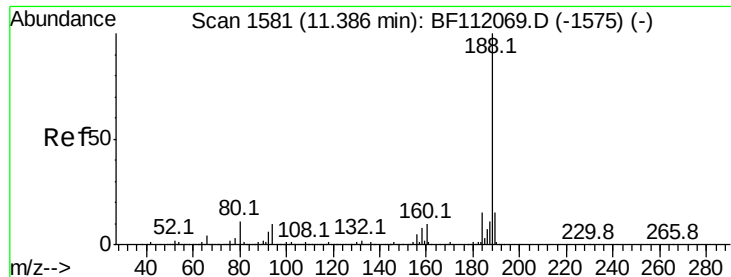
Sohil
1/24/2019 11:30:26 AM



#58
Fluorene
Concen: 6.035 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.1	115.7
167	14.0	11.3	16.9





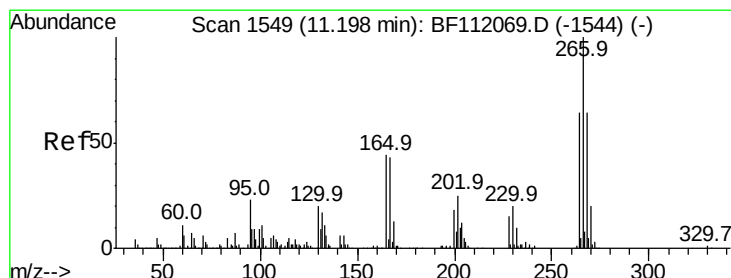
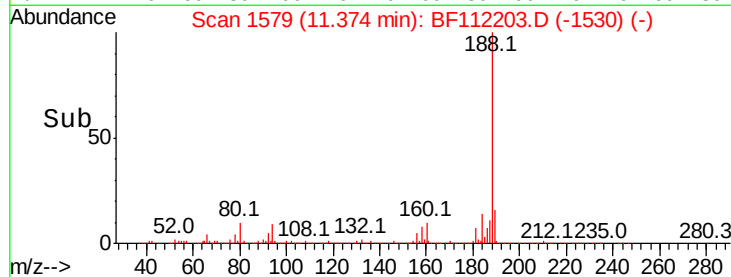
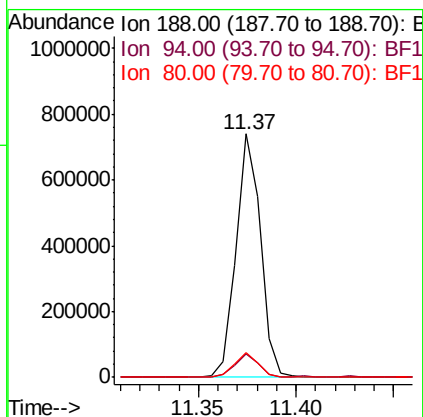
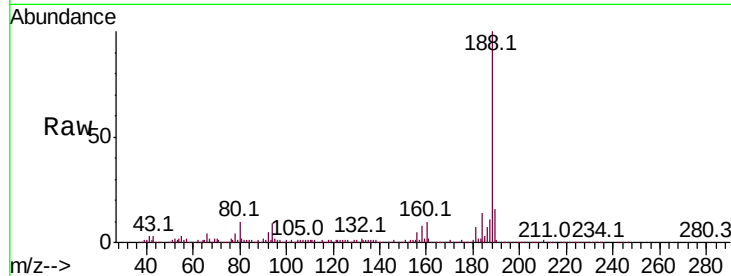
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampled :
T-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	8.2	12.2
80	10.4	8.9	13.3

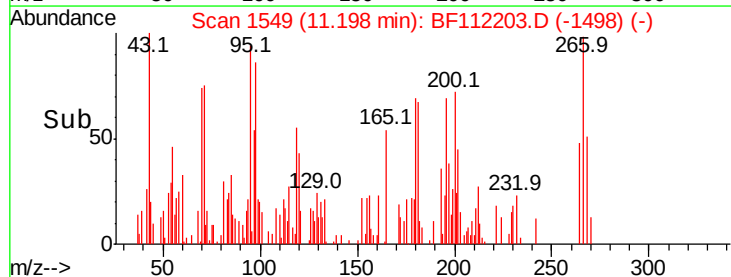
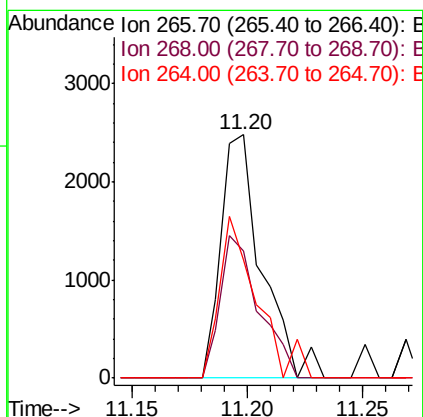
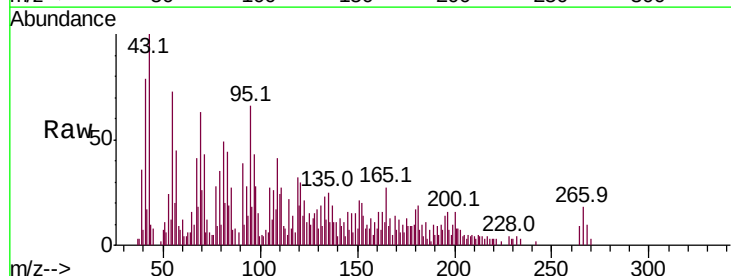
Manual Integrations
APPROVED

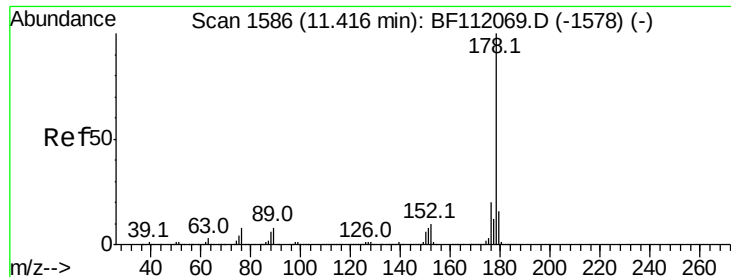
Sohil
1/24/2019 11:30:26 AM



#70
Pentachlorophenol
Concen: 6.837 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	52.2	51.2	76.8
264	48.8	50.9	76.3





#71

Phenanthrene

Concen: 22.329 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF112203.D

Acq: 23 Jan 2019 15:51

Instrument :

BNA_F

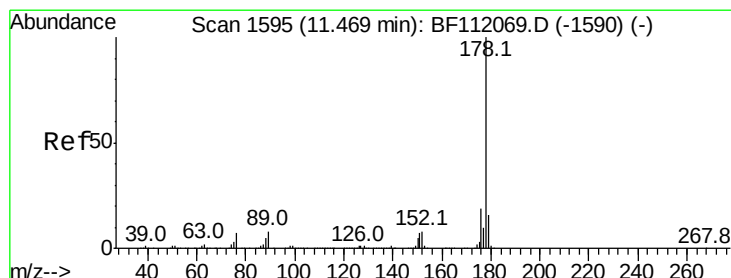
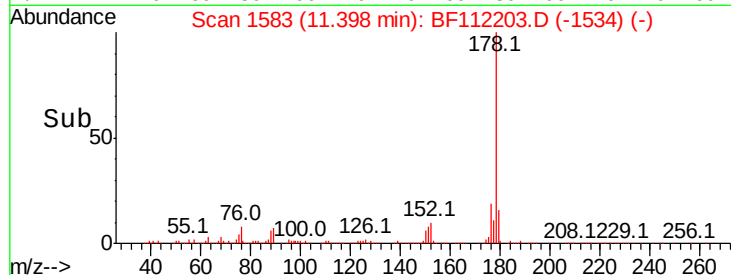
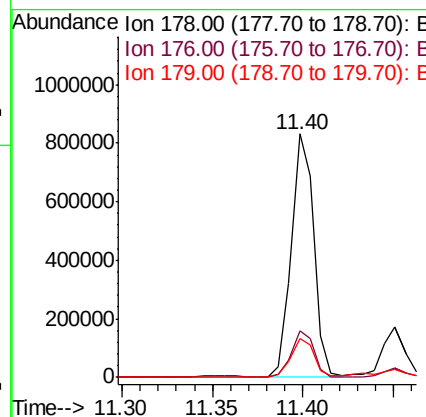
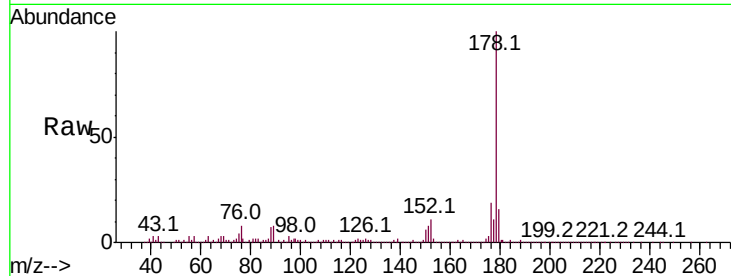
ClientSampled :

T-1

Tot Ion:	178	Resp:	722030
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.3	24.5
179	15.7	13.0	19.4

Manual Integrations
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1/24/2019 11:30:26 AM



#72

Anthracene

Concen: 4.191 ng

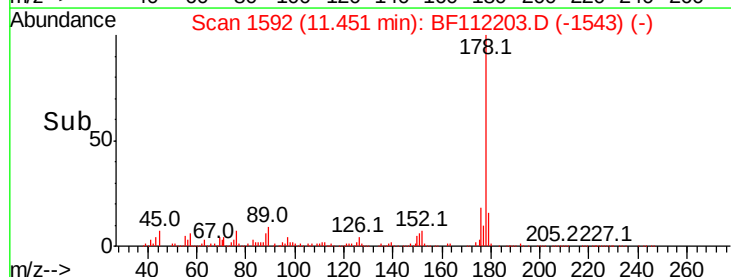
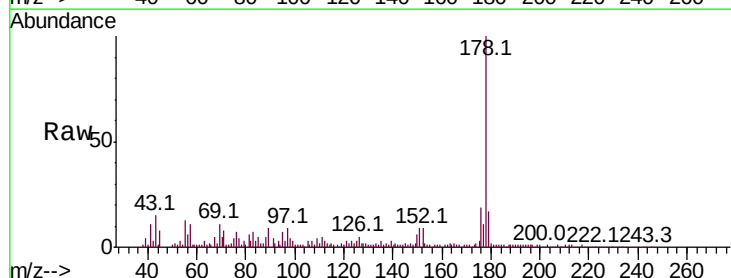
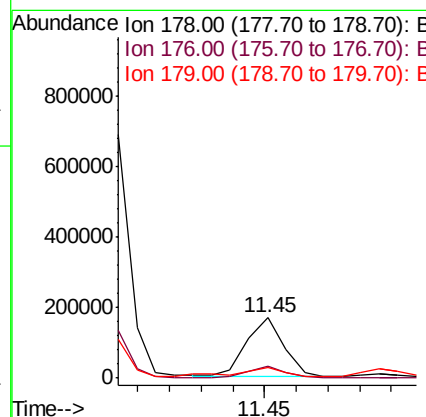
RT: 11.45 min Scan# 1592

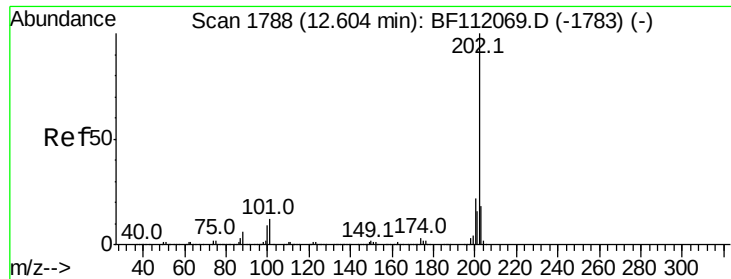
Delta R.T. -0.01 min

Lab File: BF112203.D

Acq: 23 Jan 2019 15:51

Tgt Ion:	178	Resp:	137293
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.5	23.3
179	16.7	12.8	19.2





#75

Fluoranthene

Concen: 23.488 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112203.D

Acq: 23 Jan 2019 15:51

Instrument :

BNA_F

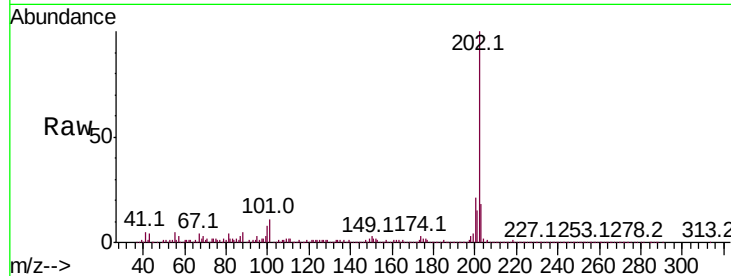
ClientSampleId :

T-1

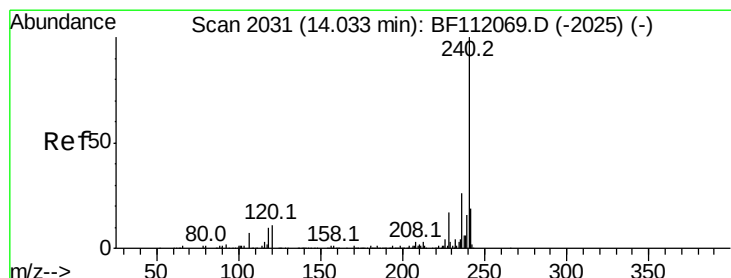
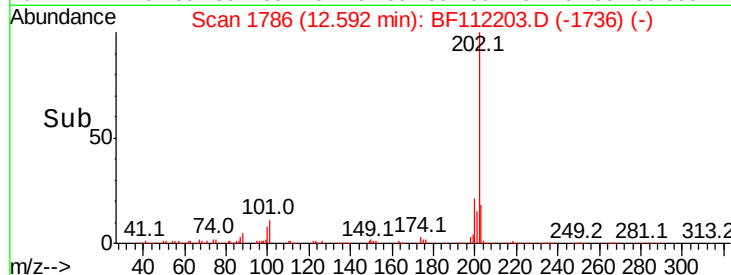
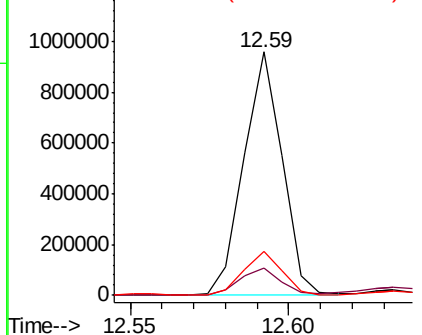
Tot Ion:	202	Resp:	801910
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.8
203	18.1	0.0	38.4

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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: 14.03 min Scan# 2030

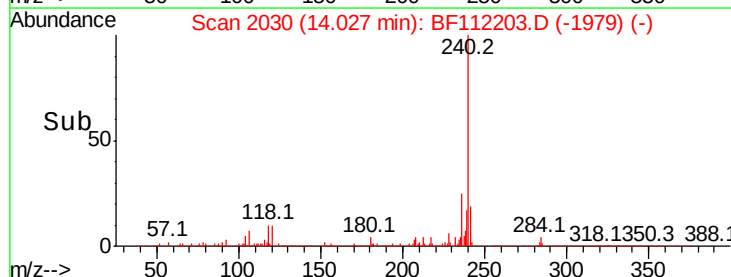
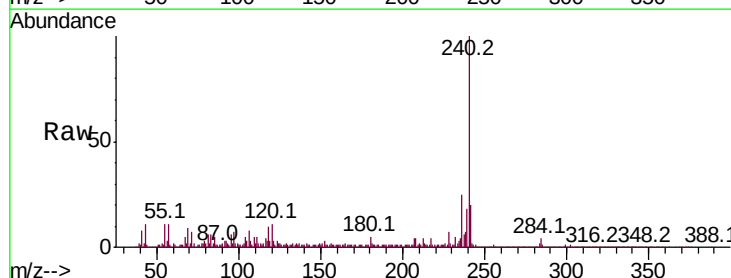
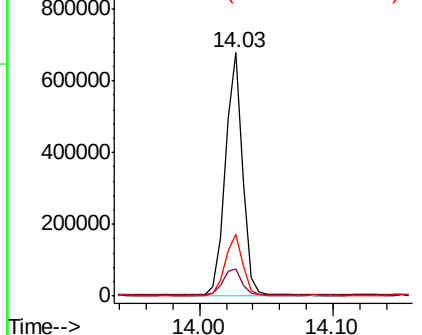
Delta R.T. 0.00 min

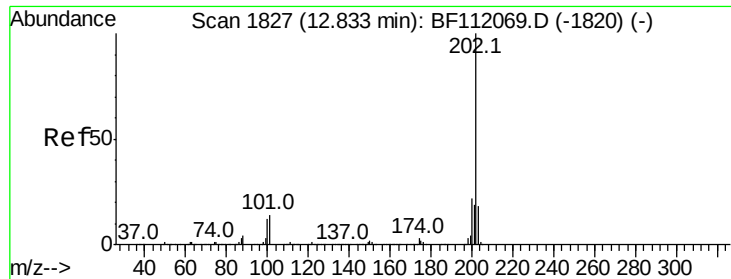
Lab File: BF112203.D

Acq: 23 Jan 2019 15:51

Tgt Ion:	240	Resp:	611873
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.0	13.6
236	25.3	20.7	31.1

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





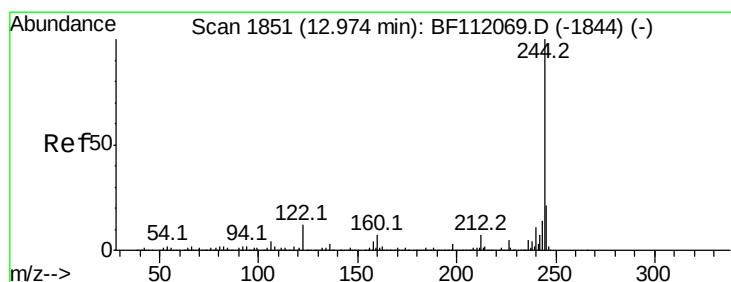
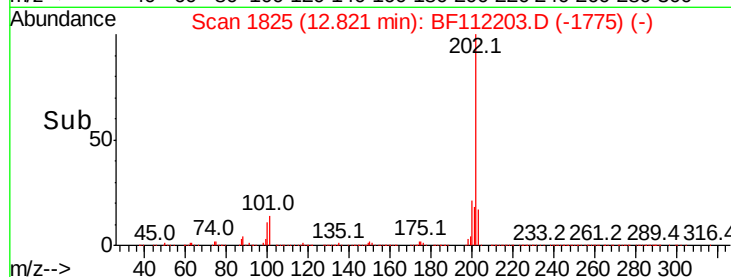
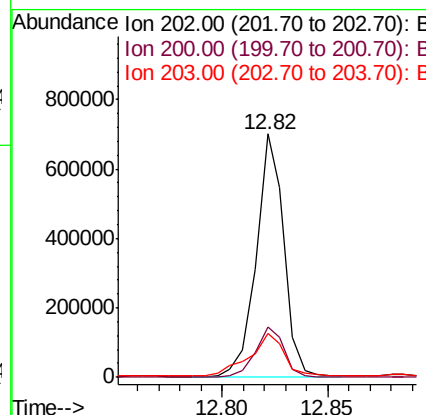
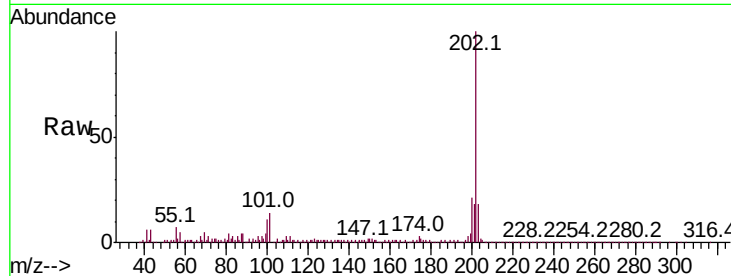
#78
Pvrene
Concen: 15.731 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
T-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.7	26.5
203	18.2	14.6	22.0

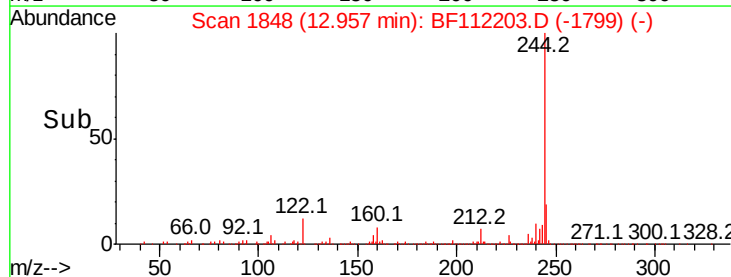
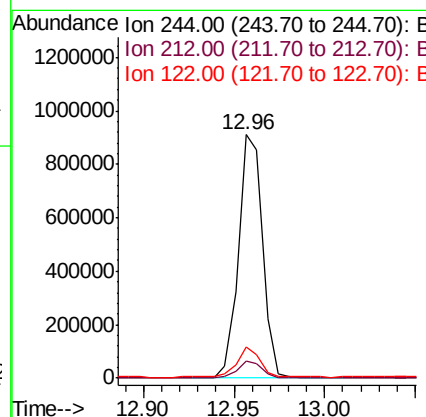
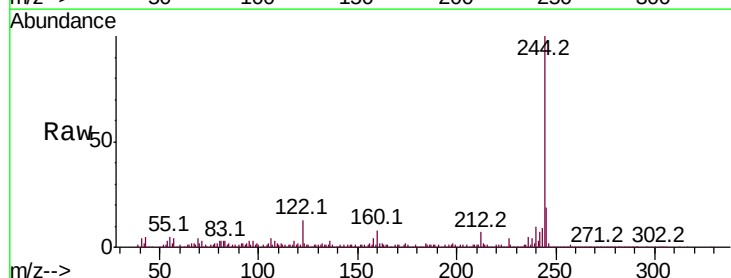
Manual Integrations
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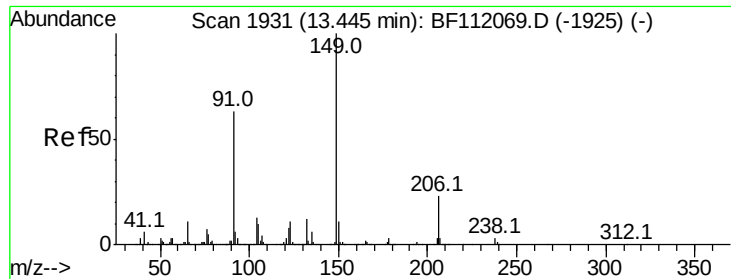
Sohil
1/24/2019 11:30:26 AM



#79
Terphenyl-d14
Concen: 29.244 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.9	8.9
122	12.6	9.8	14.6





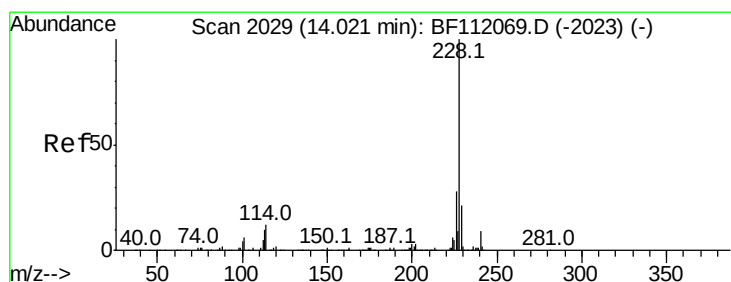
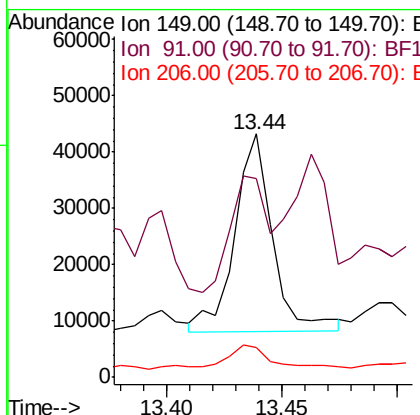
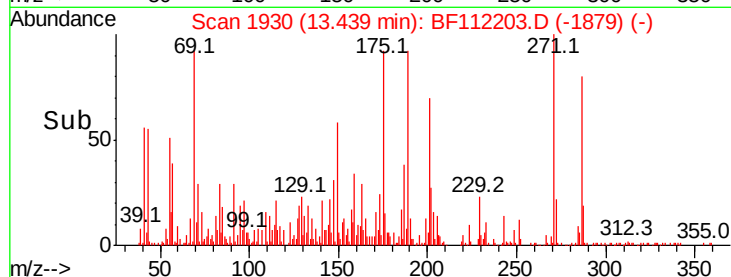
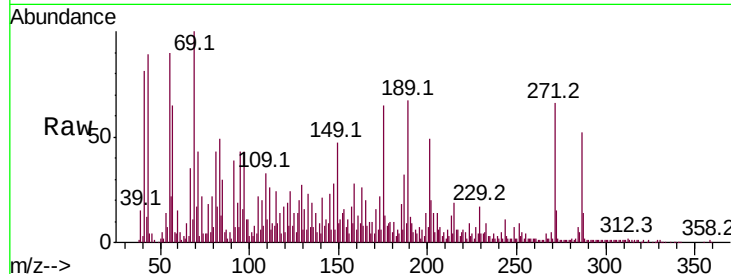
#80
Butylbenzylphthalate
Concen: 2.287 ng
RT: 13.44 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampled :
T-1

Tot Ion	Ratio	Lower	Upper
149	100		
91	81.6	50.3	75.5#
206	12.5	18.2	27.4#

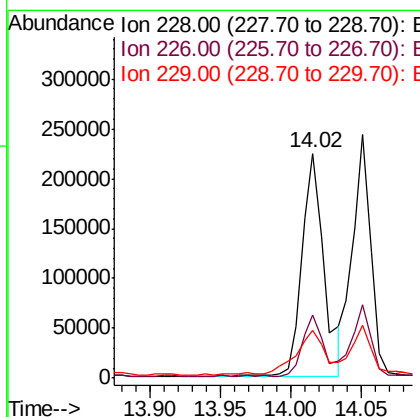
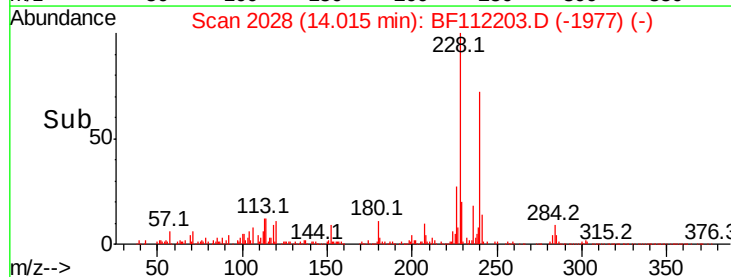
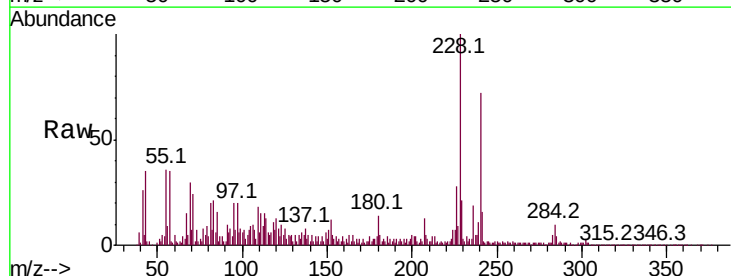
Manual Integrations
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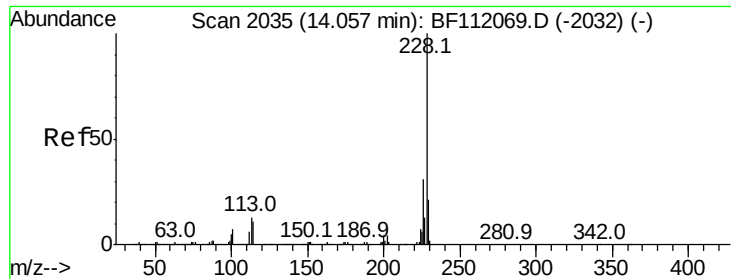
Sohil
1/24/2019 11:30:26 AM



#81
Benzo(a)anthracene
Concen: 6.927 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	34.0
229	21.5	16.5	24.7





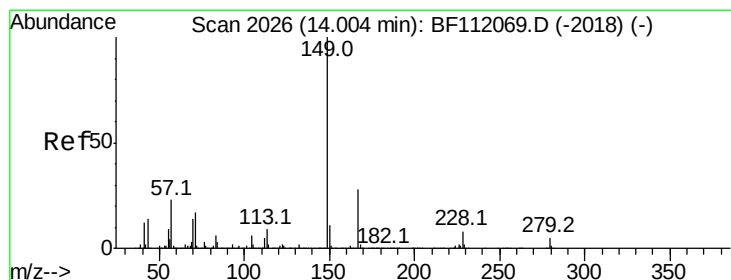
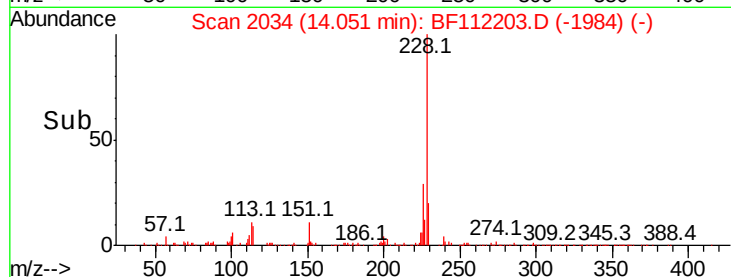
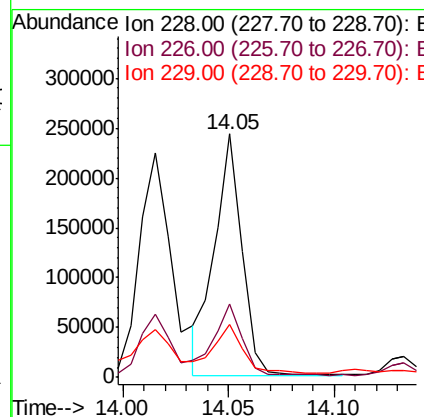
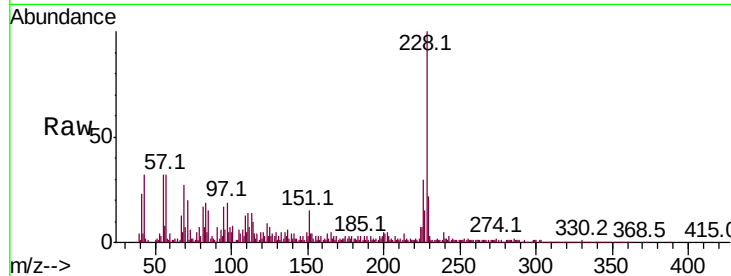
#83
Chrysene
Concen: 6.641 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
T-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.8	16.6	24.8

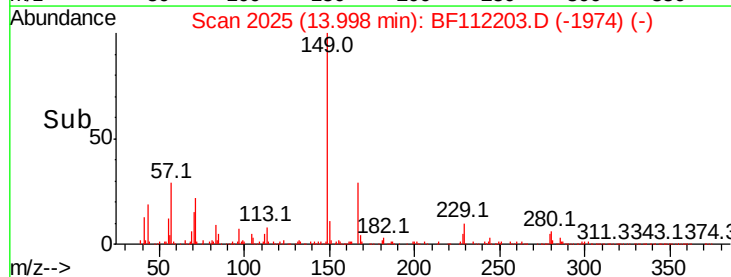
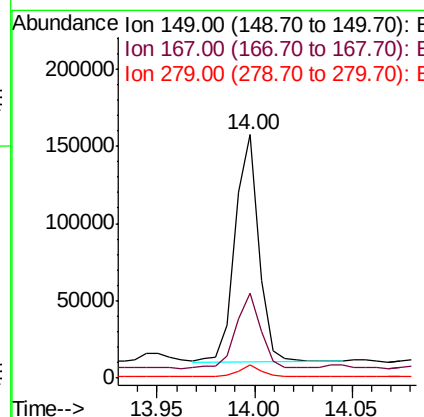
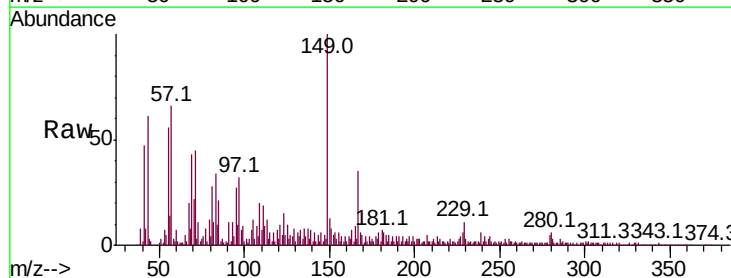
Manual Integrations
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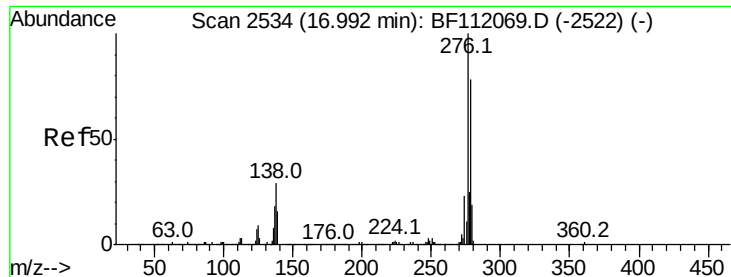
Sohil
1/24/2019 11:30:26 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.846 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	34.8	22.5	33.7#
279	5.4	3.8	5.6





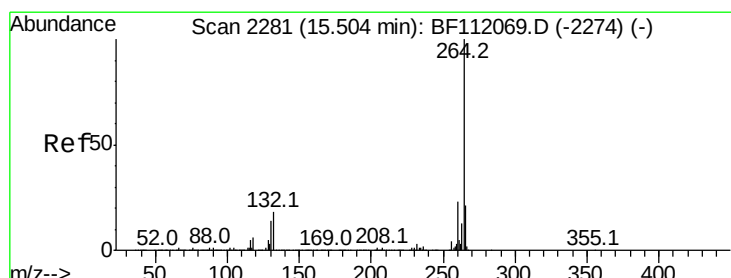
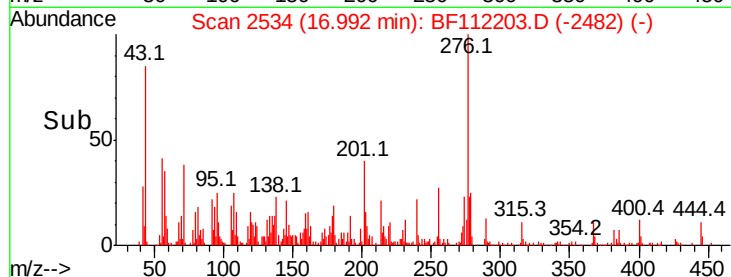
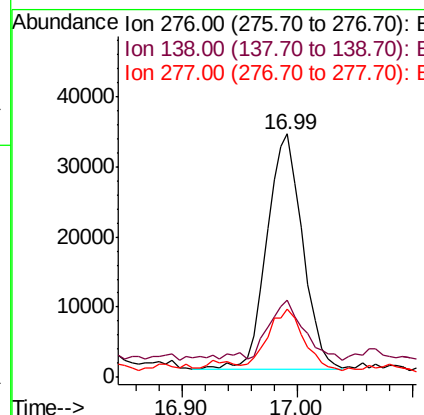
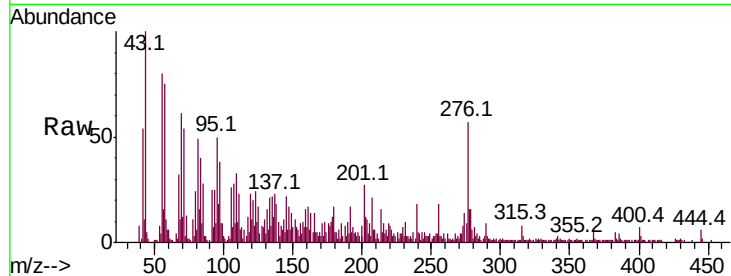
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.372 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
T-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	22.6	34.0
277	26.8	20.3	30.5

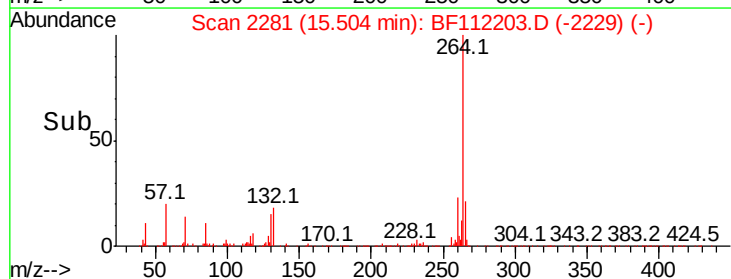
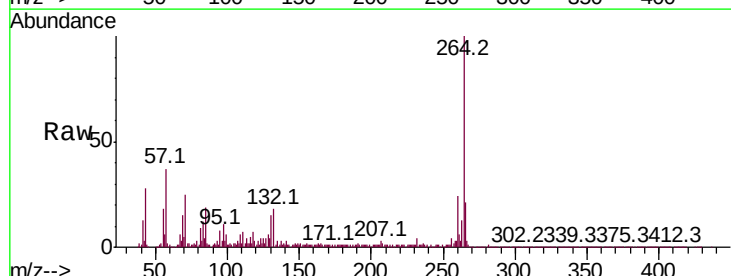
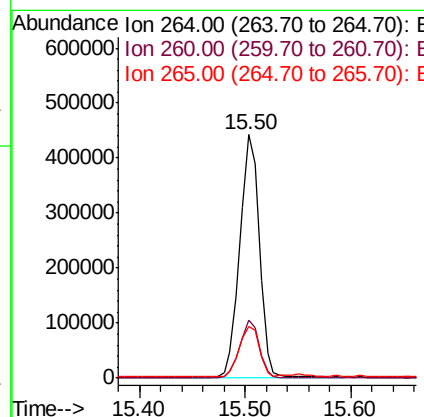
Manual Integrations
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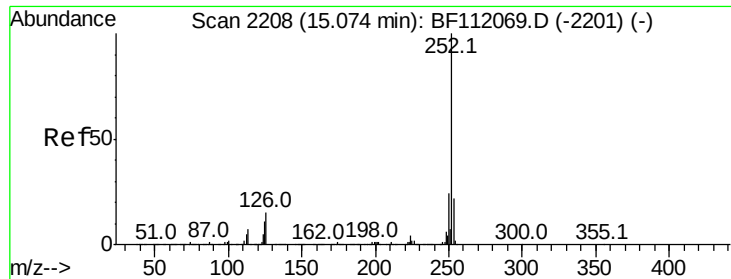
Sohil
1/24/2019 11:30:26 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	21.4	17.0	25.4





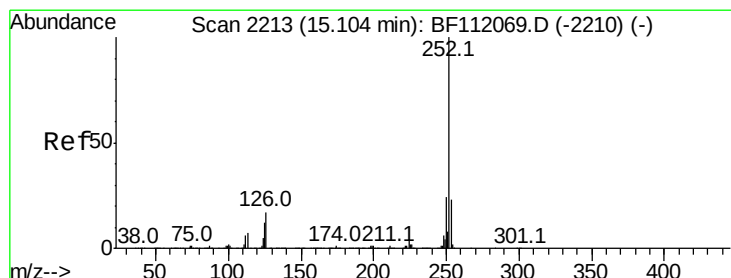
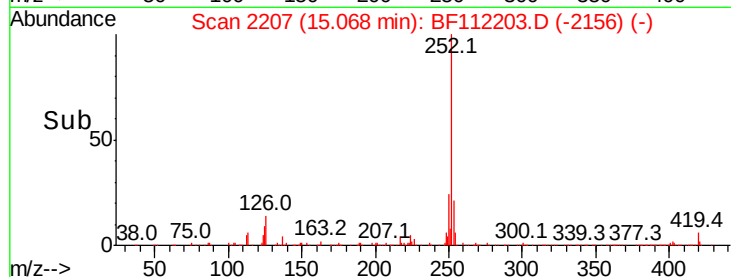
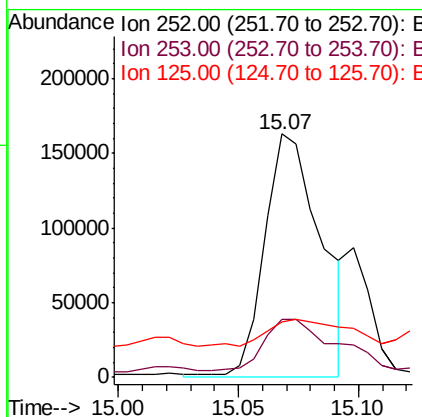
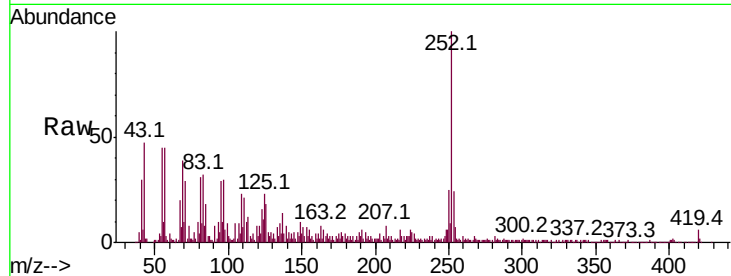
#88
Benzo(b)fluoranthene
Concen: 8.379 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampleId :
T-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	23.0	8.7	13.1

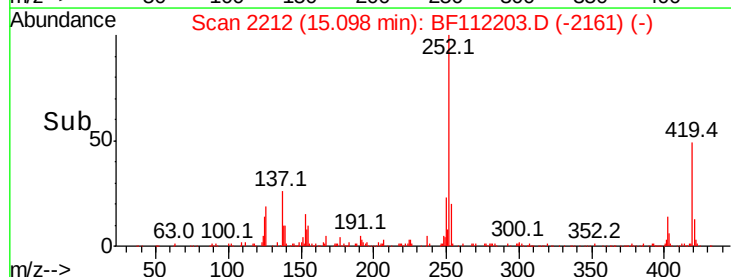
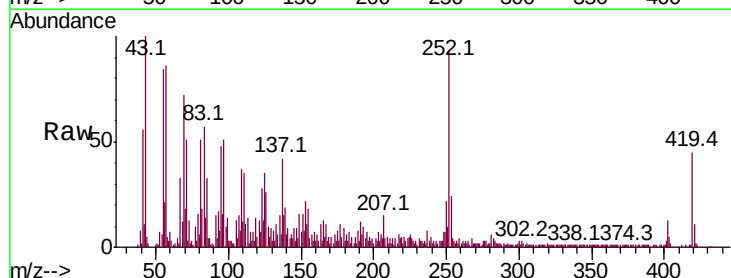
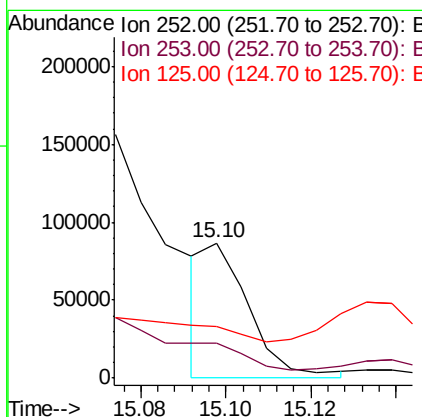
Manual Integrations
APPROVED

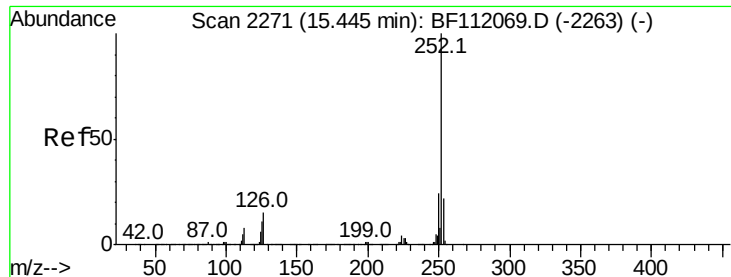
Sohil
1/24/2019 11:30:26 AM



#89
Benzo(k)fluoranthene
Concen: 2.036 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.0	27.0
125	37.9	9.1	13.7





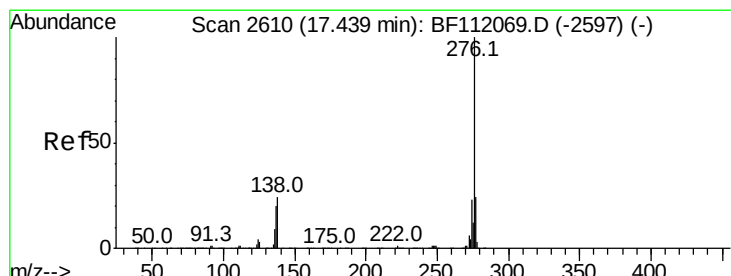
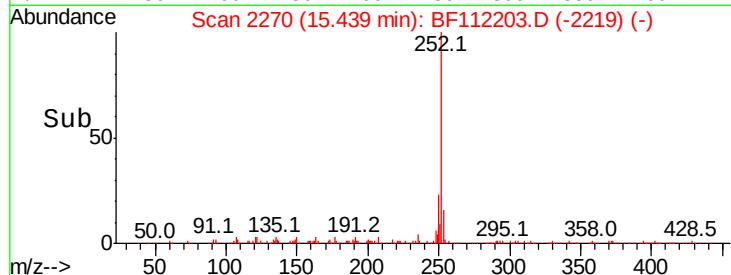
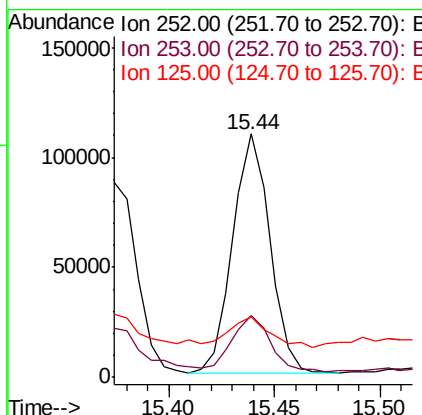
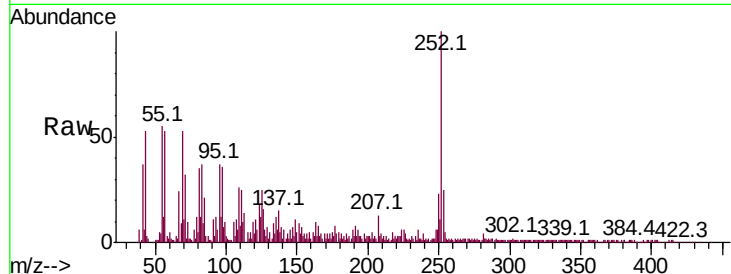
#90
Benzo(a)pyrene
Concen: 4.550 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Instrument :
BNA_F
ClientSampled :
T-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	25.0	9.0	13.4

Manual Integrations
APPROVED

Sohil
1/24/2019 11:30:26 AM



#92
Benzo(g,h,i)perylene
Concen: 2.642 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.02 min
Lab File: BF112203.D
Acq: 23 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	32.4	19.1	28.7

