

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
 Data File : BF112674.D
 Acq On : 22 Feb 2019 19:44
 Operator : JU/SJ
 Sample : K1556-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP

Manual Integrations
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Sohil
 2/25/2019 9:21:13 AM

Quant Time: Feb 23 01:11:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	47628	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	193423	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	93677	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	183142	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	127179	20.00	ng	-0.03
87) Perylene-d12	15.44	264	104838	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	245415	109.45	ng	-0.02
7) Phenol-d6	6.48	99	316835	101.69	ng	-0.01
23) Nitrobenzene-d5	7.38	82	197961	58.97	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	95527	87.61	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	407862	61.58	ng	-0.04
79) Terphenyl-d14	12.91	244	438247	64.90	ng	-0.04
Target Compounds						
10) Phenol	6.50	94	10171	2.975	ng	Qvalue # 65
50) Dimethylphthalate	9.57	163	21576	2.964	ng	96
52) Acenaphthene	9.88	154	16208	2.915	ng	97
55) Dibenzofuran	10.06	168	17407	2.049	ng	# 91
58) Fluorene	10.40	166	27694	4.355	ng	93
71) Phenanthrene	11.36	178	294430	30.923	ng	97
72) Anthracene	11.42	178	85734	9.039	ng	98
75) Fluoranthene	12.55	202	554102	54.259	ng	98
78) Pyrene	12.78	202	472279	53.637	ng	99
81) Benzo(a)anthracene	13.97	228	223963	29.957	ng	98
83) Chrysene	14.00	228	165600	23.205	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	108457	19.180	ng	# 92
88) Benzo(b)fluoranthene	15.02	252	233946m	37.313	ng	
89) Benzo(k)fluoranthene	15.04	252	65919m	10.976	ng	
90) Benzo(a)pyrene	15.39	252	161614	28.647	ng	99
91) Dibenzo(a,h)anthracene	16.93	278	22960m	5.050	ng	
92) Benzo(a,h,i)perylene	17.39	276	104608	24.386	ng	95

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

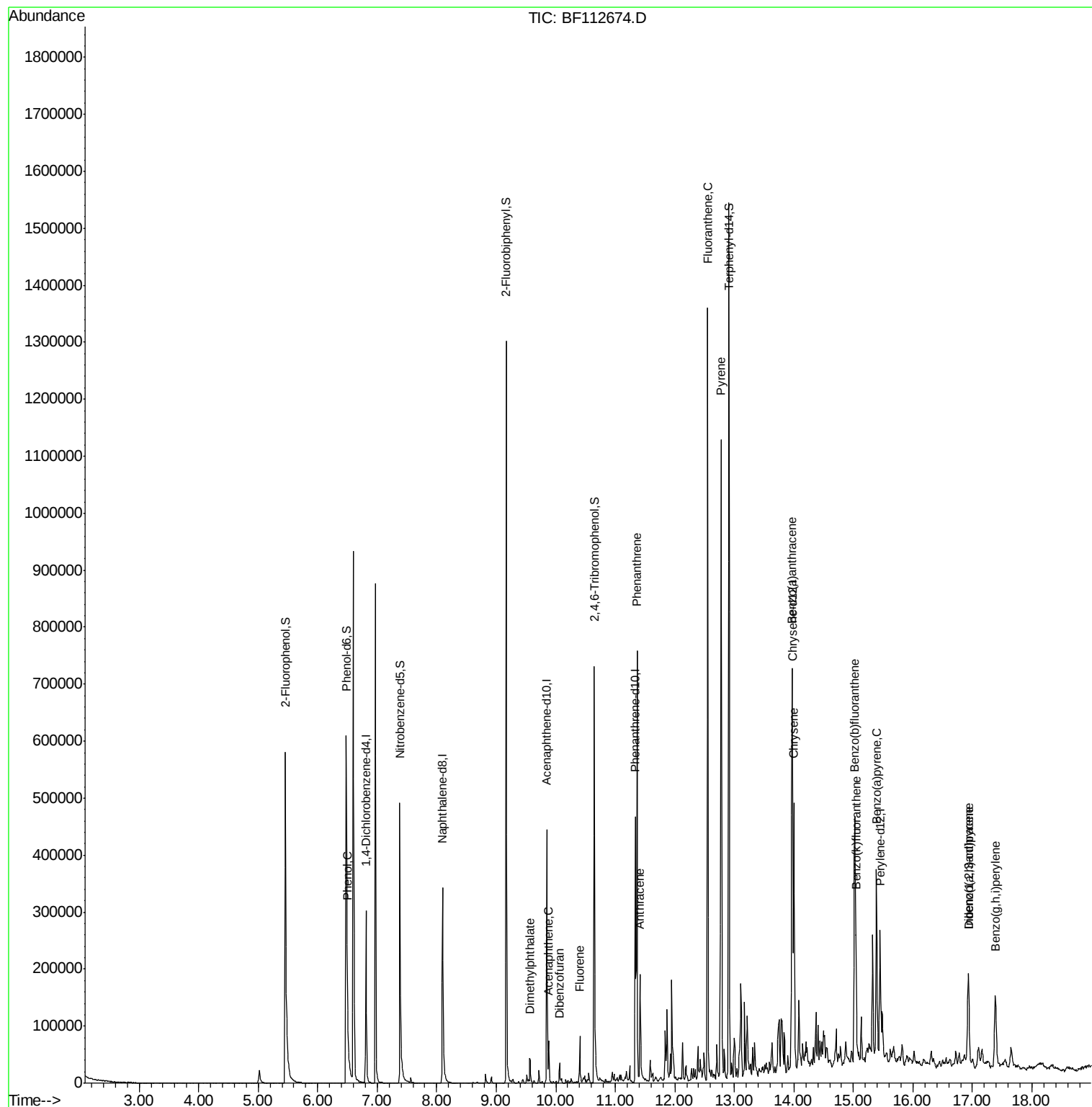
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
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ALS Vial : 13 Sample Multiplier: 1

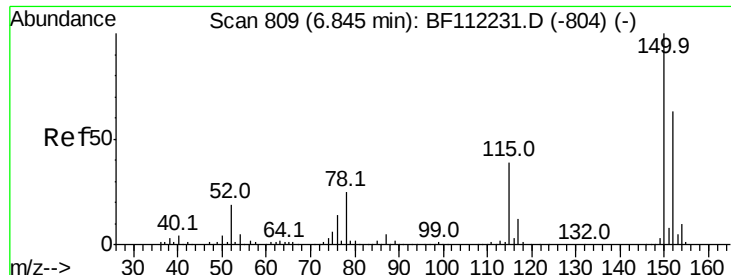
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
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#1

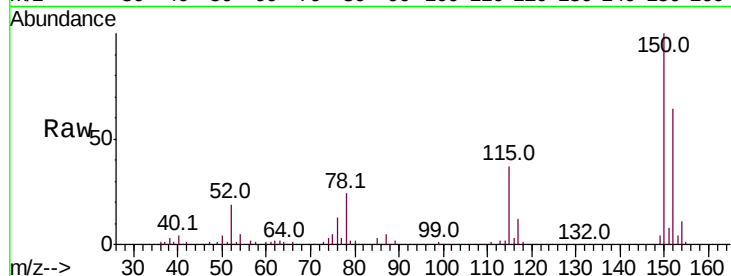
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Instrument :
BNA_F
ClientSampled :
COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.4	191.0
115	57.7	45.5	68.3

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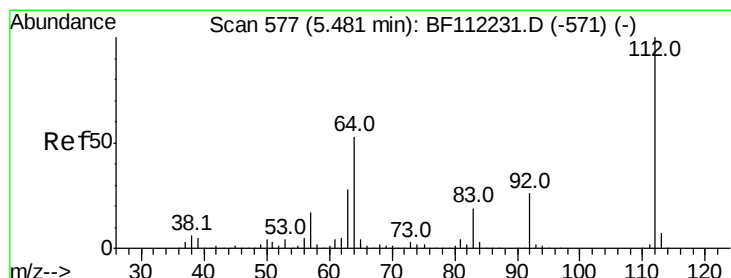
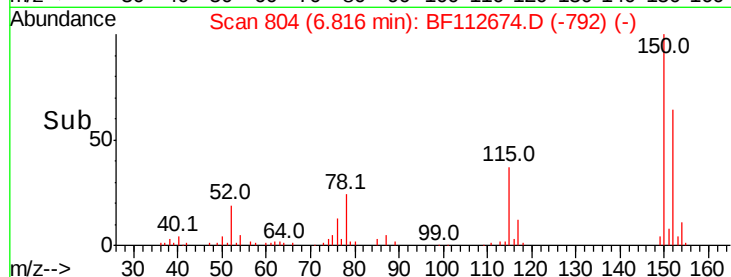
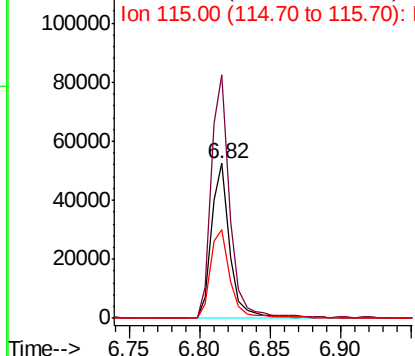


Abundance

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: 109.448 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

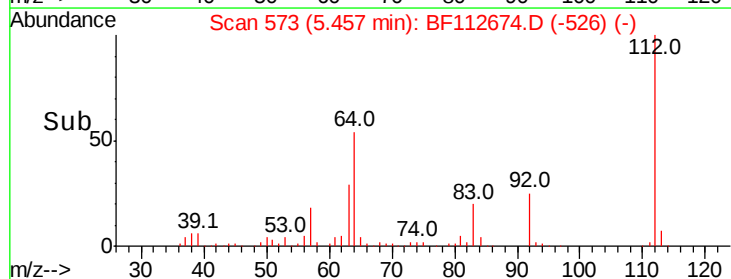
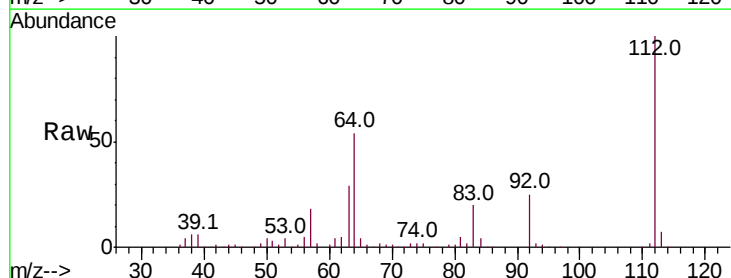
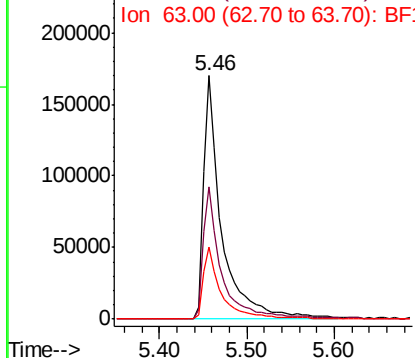
Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	45.7	68.5
63	29.4	23.6	35.4

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: 101.687 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Instrument :

BNA_F

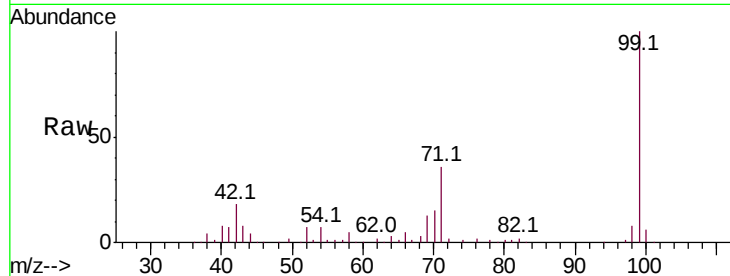
ClientSampled :

COMP

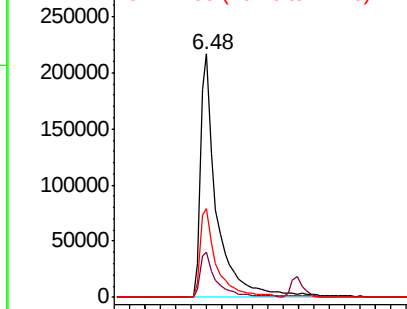
Tot Ion:	99	Resp:	316835
Ion Ratio	Lower	Upper	
99	100		
42	18.4	15.1	22.7
71	36.2	26.9	40.3

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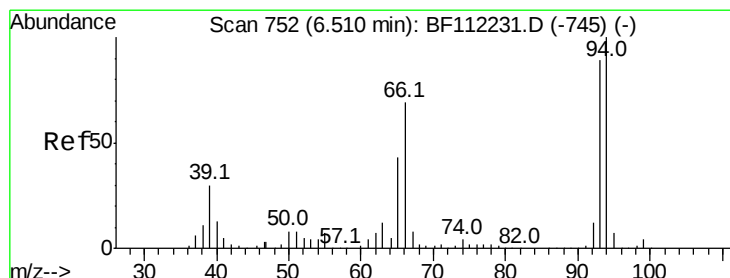
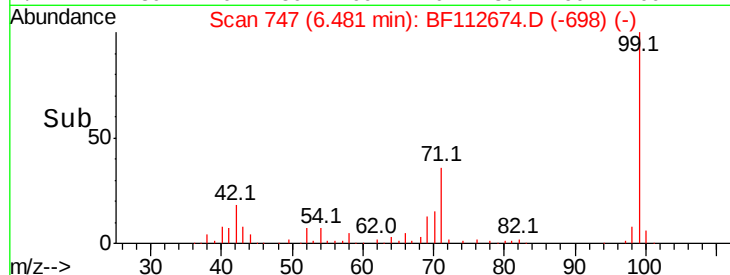
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#10

Phenol

Concen: 2.975 ng

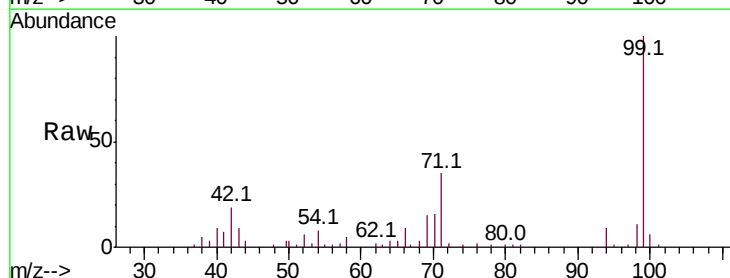
RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

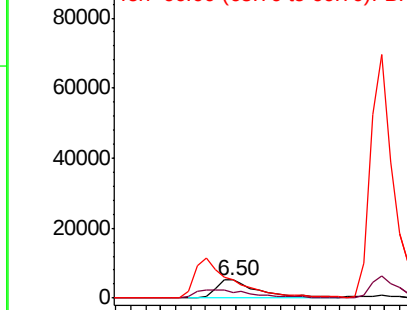
Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

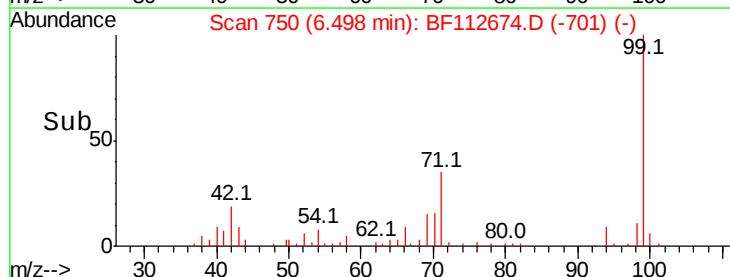
Tgt Ion:	94	Resp:	10171
Ion Ratio	Lower	Upper	
94	100		
65	34.4	20.3	60.3
66	101.6	42.4	82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Instrument :

BNA_F

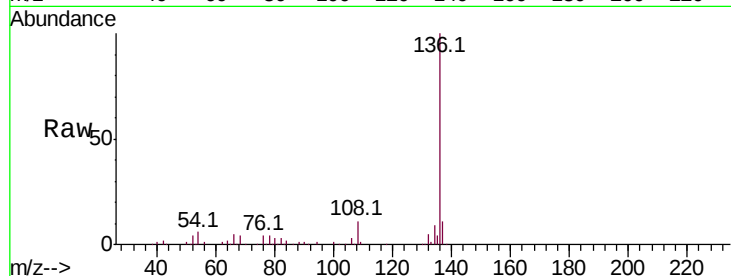
ClientSampled :

COMP

Tot Ion	136	Resp	193423
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	6.5	5.9	8.9
68	4.4	5.1	7.7#

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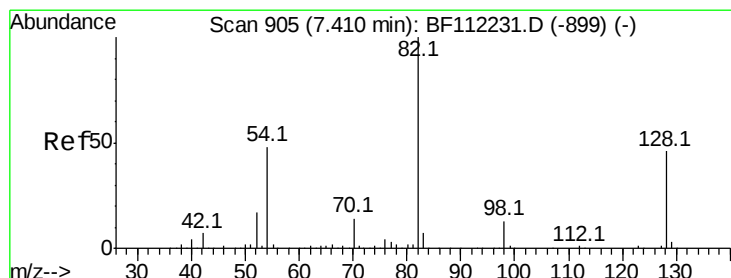
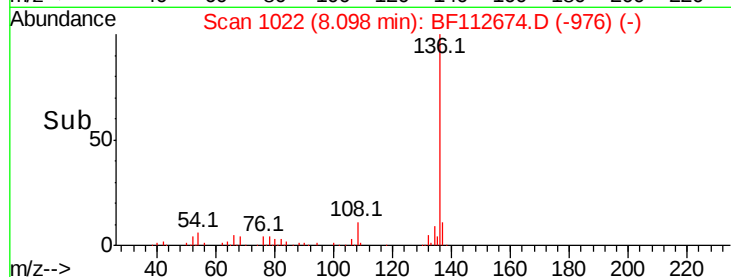
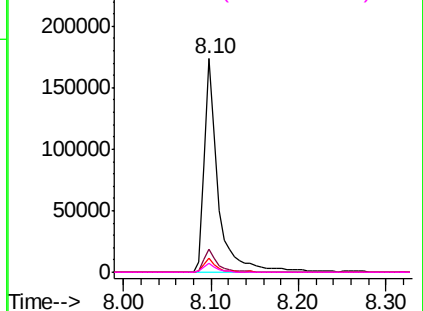
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 58.972 ng

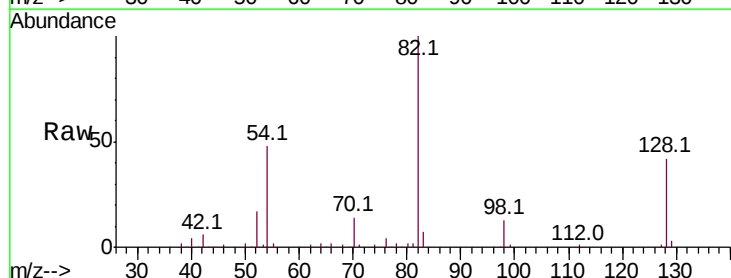
RT: 7.38 min Scan# 900

Delta R.T. -0.03 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Tgt Ion	82	Resp	197961
Ion Ratio	Lower	Upper	
82	100		
128	41.5	37.8	56.8
54	48.3	39.7	59.5

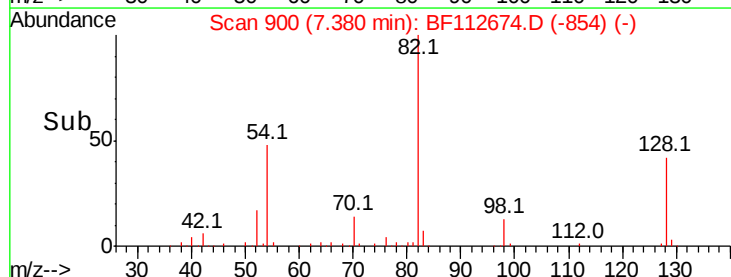
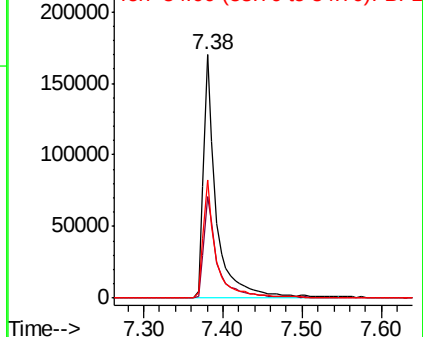


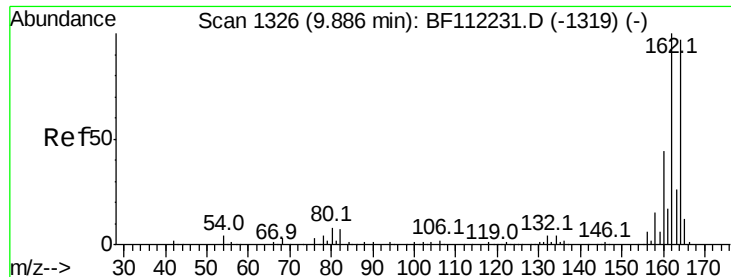
Abundance

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





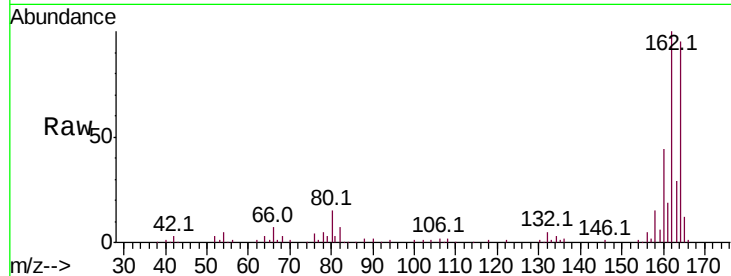
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Instrument :
BNA_F
ClientSampled :
COMP

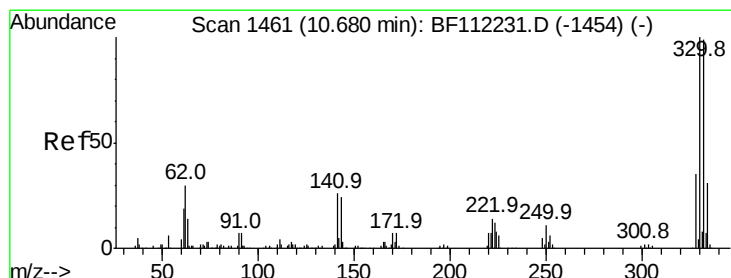
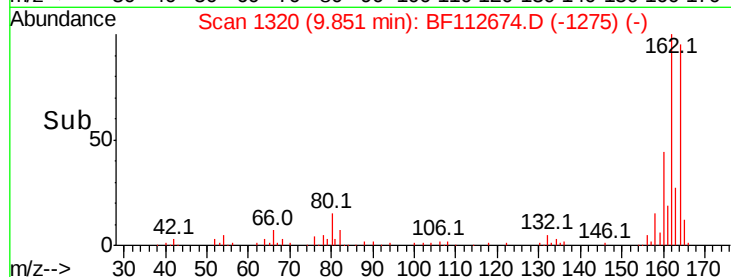
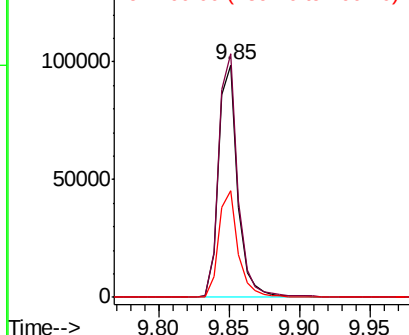
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.2	123.4
160	45.8	36.2	54.4

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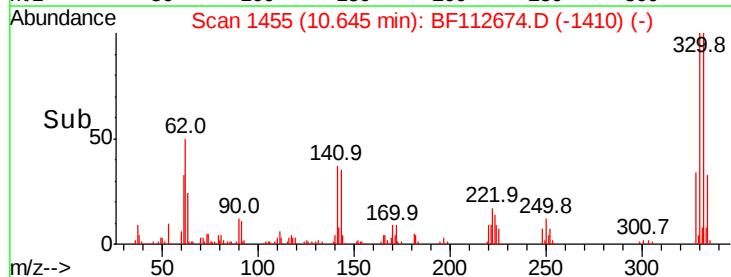
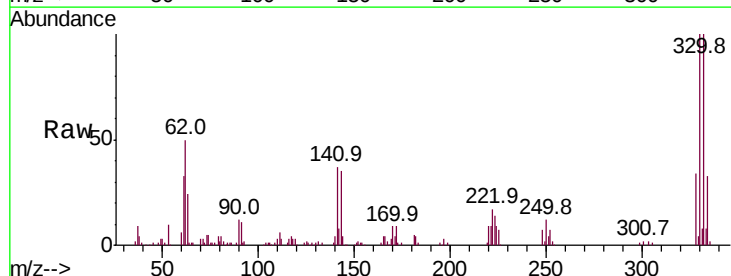
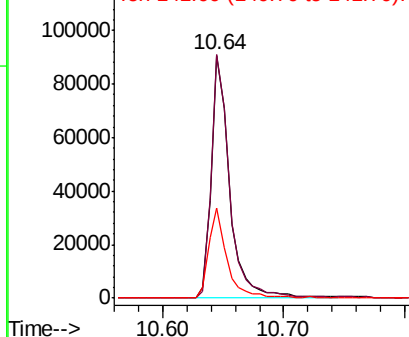
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

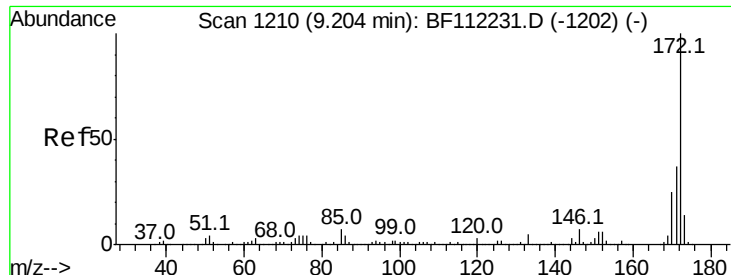


#42
2,4,6-Tribromophenol
Concen: 87.609 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.04 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.6	114.8
141	36.5	24.3	36.5

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





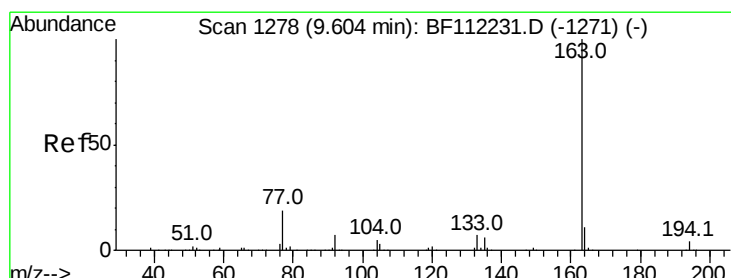
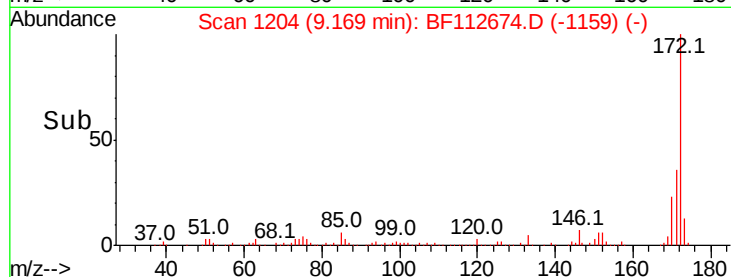
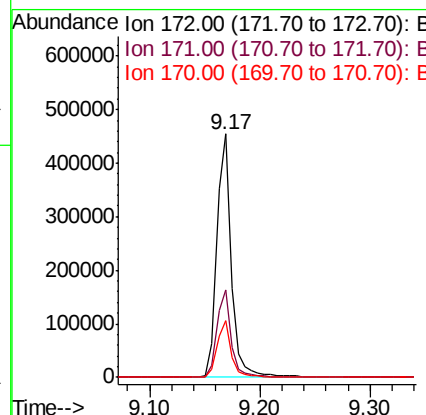
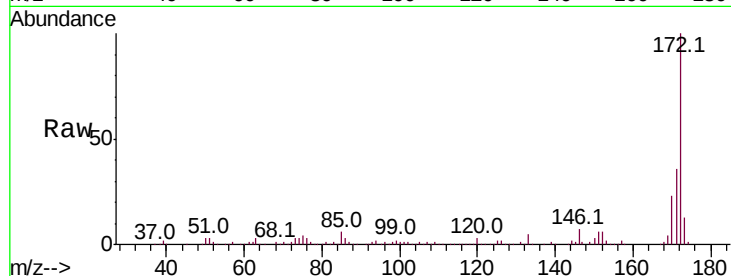
#45
2-Fluorobiphenyl
Concen: 61.579 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Instrument :
BNA_F
ClientSampleId :
COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	407862		
171	36.0		30.5	45.7
170	23.1		20.2	30.4

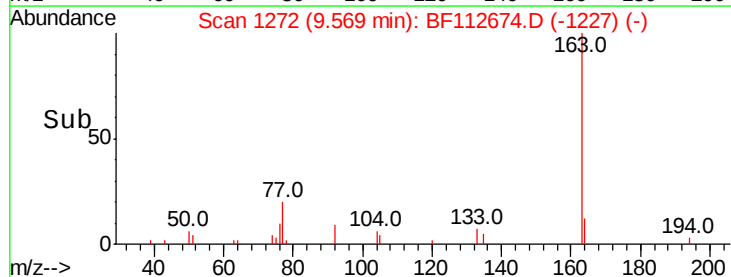
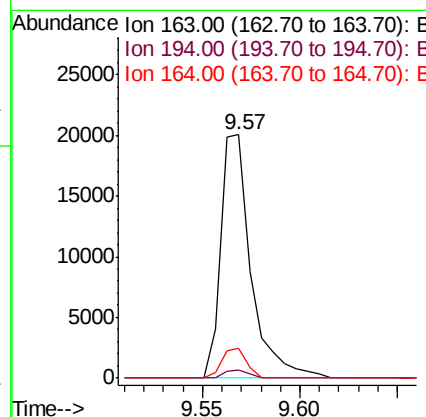
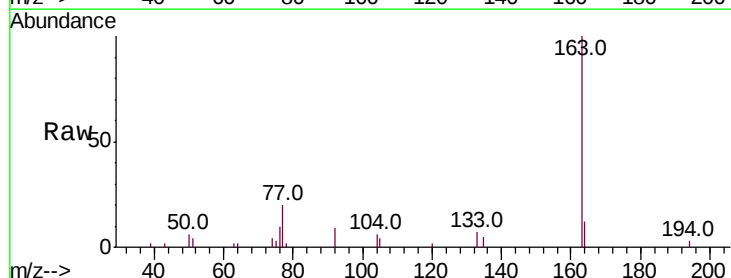
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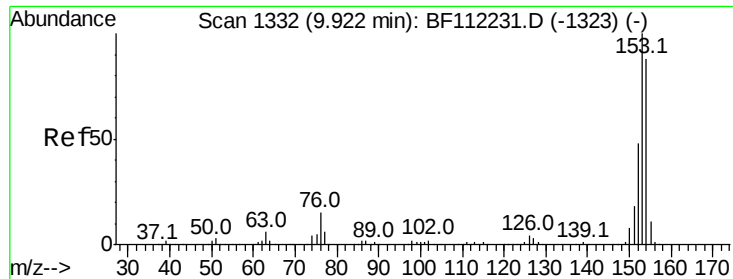
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#50
Dimethylphthalate
Concen: 2.964 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	21576		
194	3.3		3.3	4.9
164	12.3		8.5	12.7





#52

Acenaphthene

Concen: 2.915 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.04 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Instrument :

BNA_F

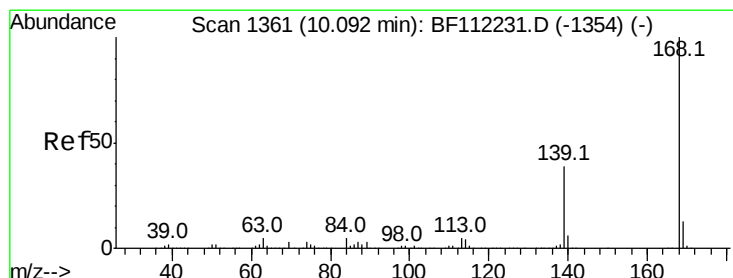
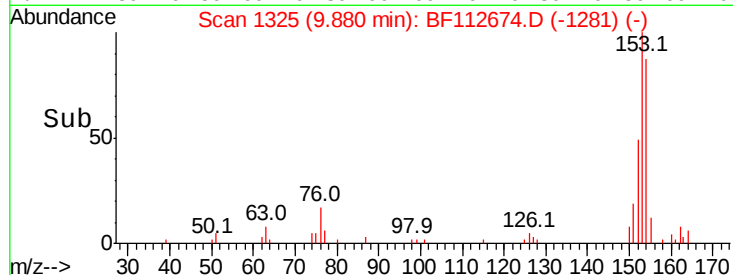
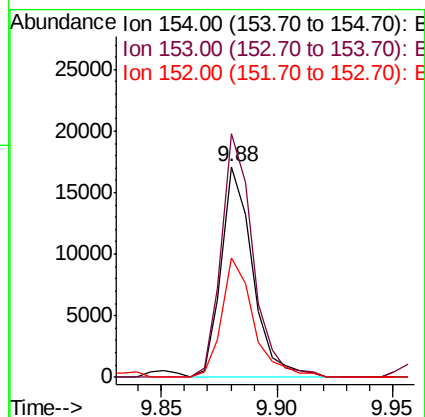
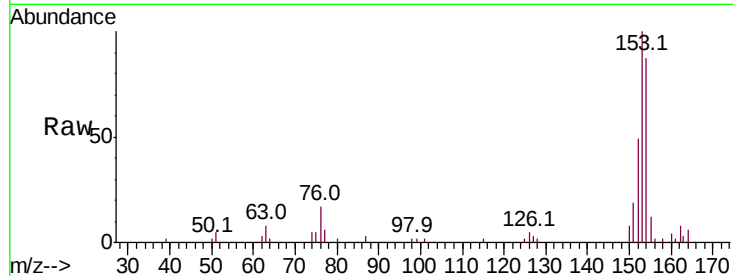
ClientSampled :

COMP

Tot Ion:	154	Resp:	16208
Ion Ratio	Lower	Upper	
154	100		
153	115.6	89.8	134.6
152	56.6	43.5	65.3

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#55

Dibenzofuran

Concen: 2.049 ng

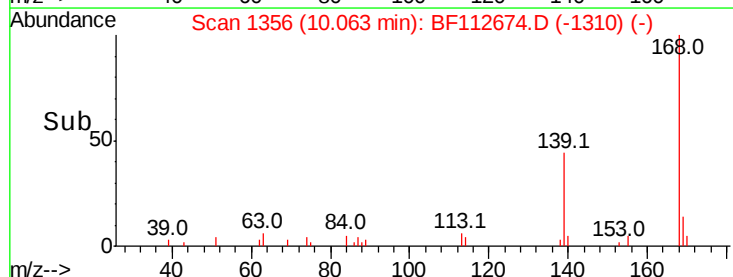
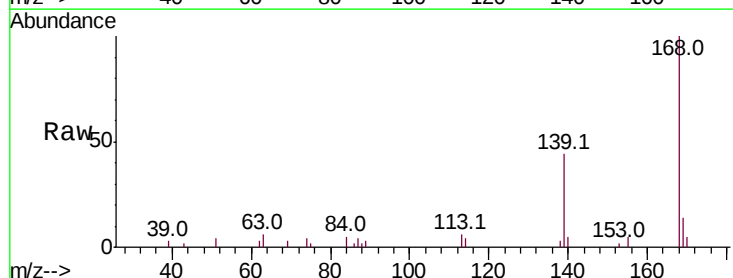
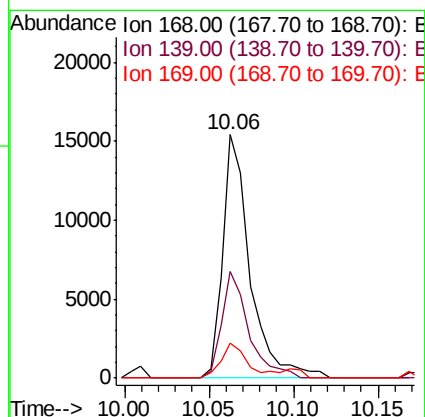
RT: 10.06 min Scan# 1356

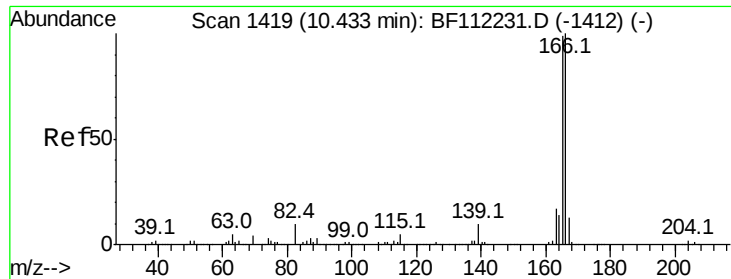
Delta R.T. -0.03 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Tgt Ion:	168	Resp:	17407
Ion Ratio	Lower	Upper	
168	100		
139	43.9	29.2	43.8#
169	14.1	11.4	17.0





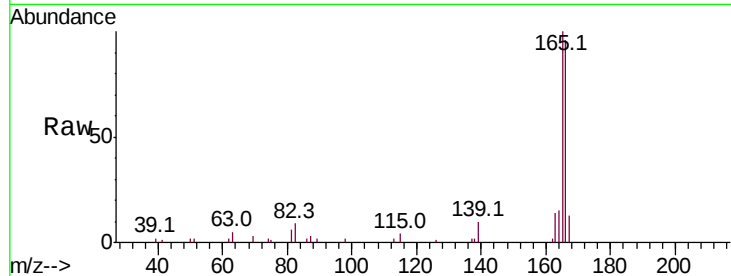
#58
 Fluorene
 Concen: 4.355 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.03 min
 Lab File: BF112674.D
 Acq: 22 Feb 2019 19:44

Instrument :
 BNA_F
 ClientSampled :
 COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.7	77.1	115.7
167	13.9	11.3	16.9

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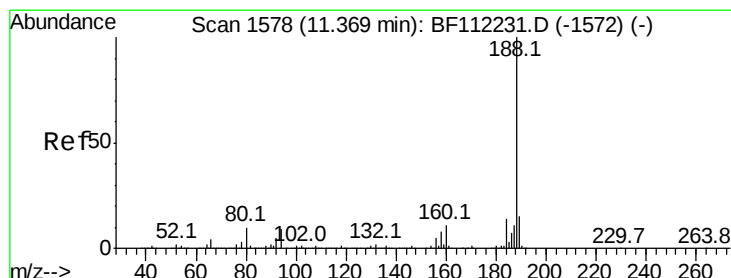
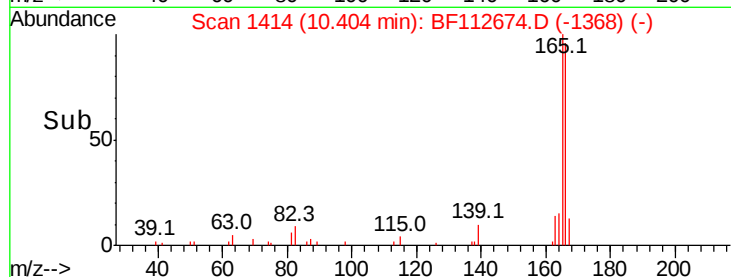
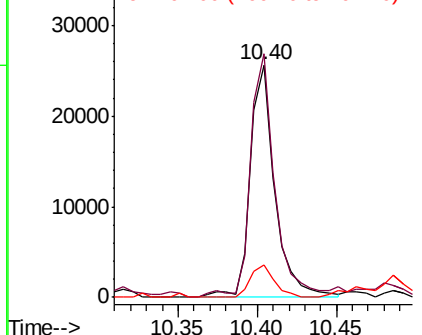


Abundance

Ion 166.00 (165.70 to 166.70): E

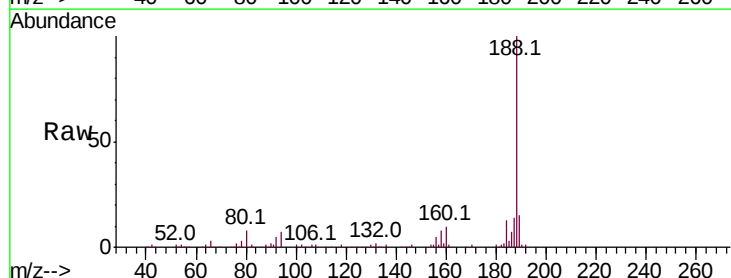
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: BF112674.D
 Acq: 22 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.2	12.2#
80	7.9	8.9	13.3#

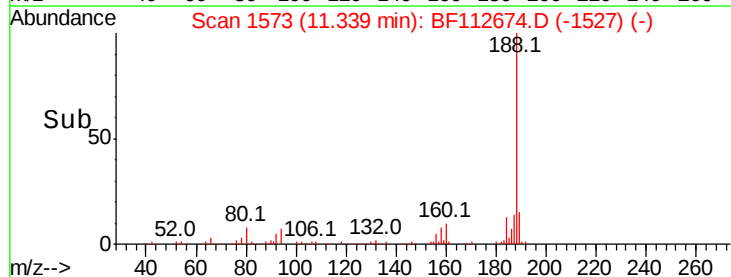
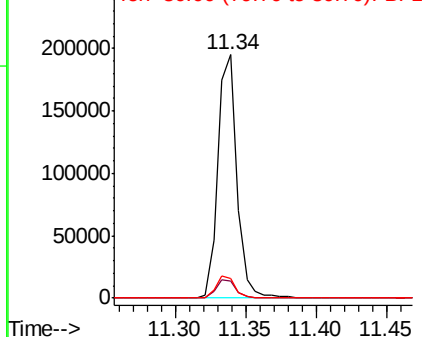


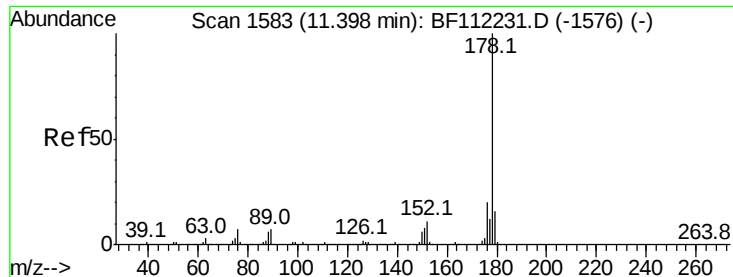
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





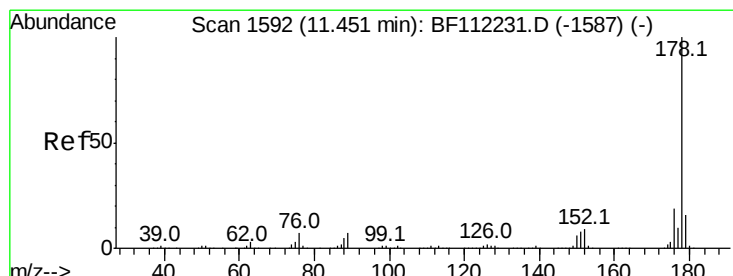
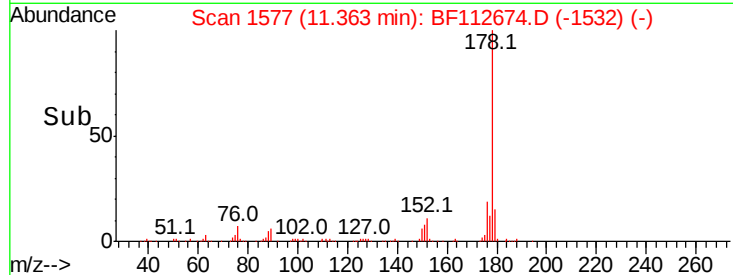
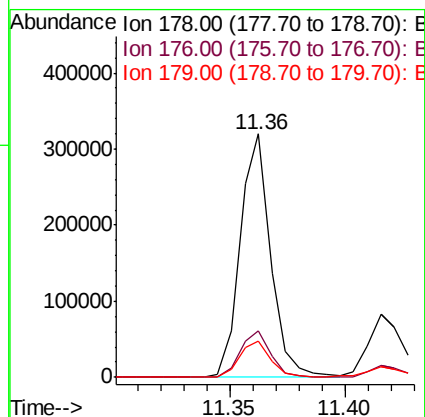
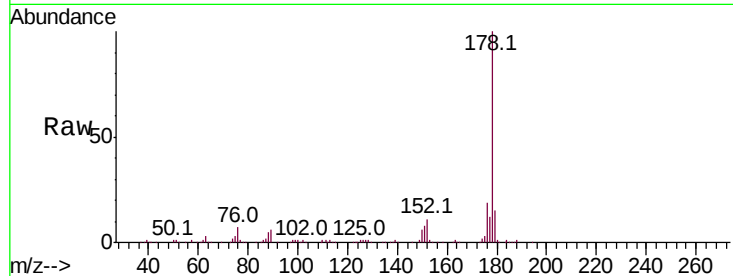
#71
Phenanthrene
Concen: 30.923 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.04 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Instrument :
BNA_F
ClientSampleId :
COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.3	24.5
179	15.0	13.0	19.4

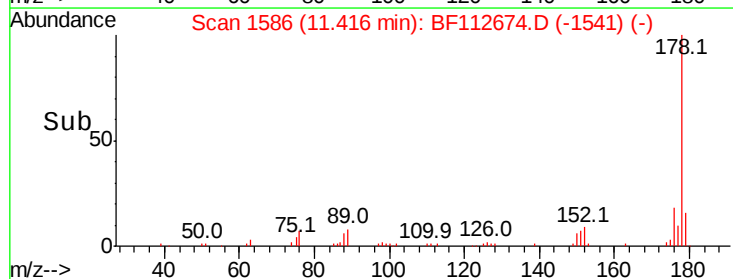
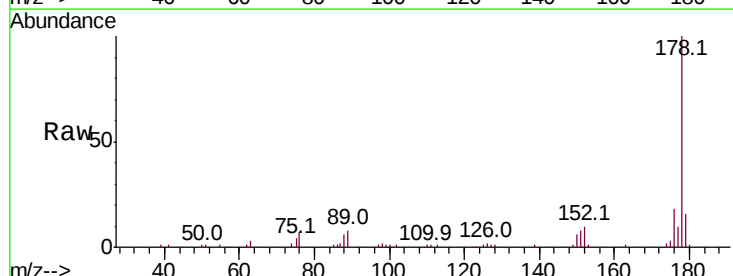
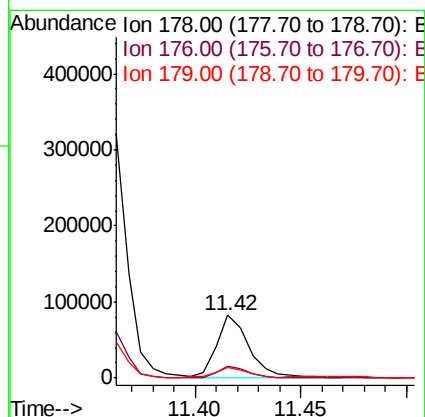
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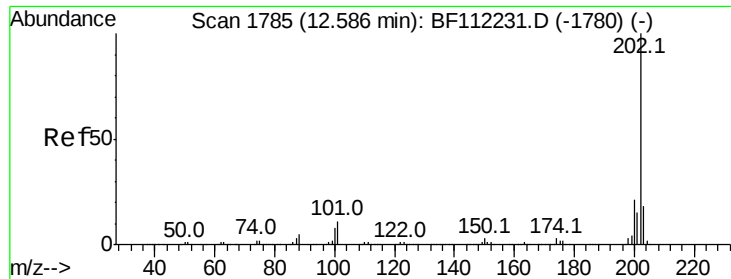
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2/25/2019 9:21:13 AM



#72
Anthracene
Concen: 9.039 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.04 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	16.2	12.8	19.2





#75

Fluoranthene

Concen: 54.259 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.04 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Instrument :

BNA_F

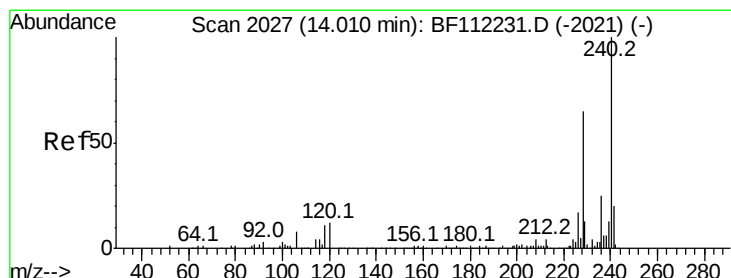
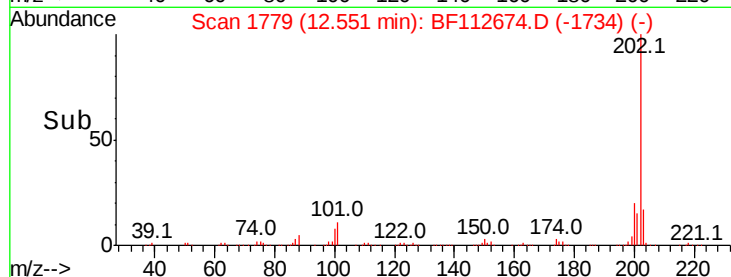
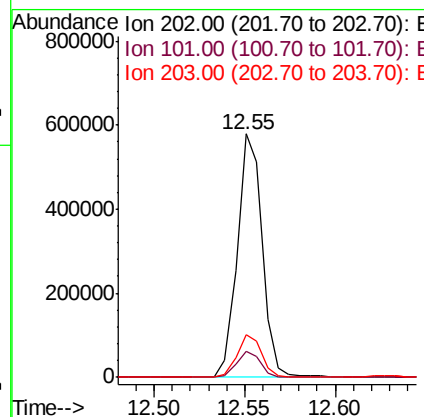
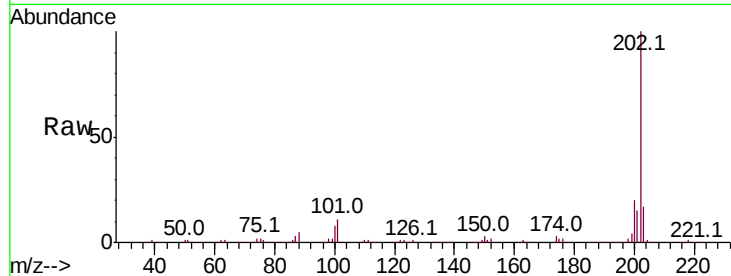
ClientSampleId :

COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.9	0.0	31.8
203	17.3	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

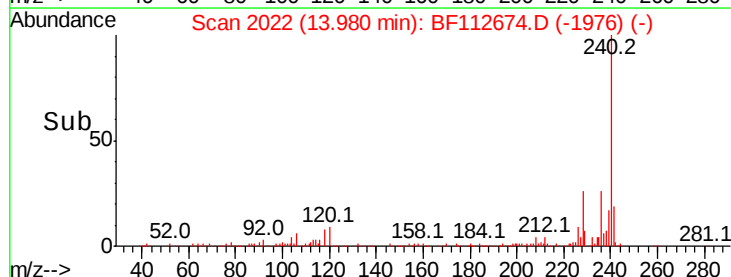
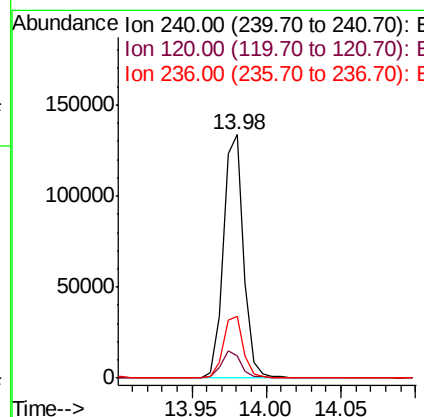
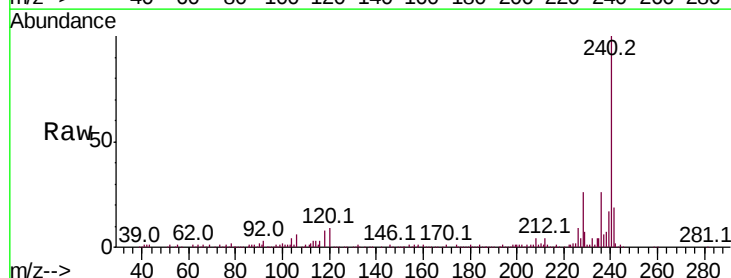
RT: 13.98 min Scan# 2022

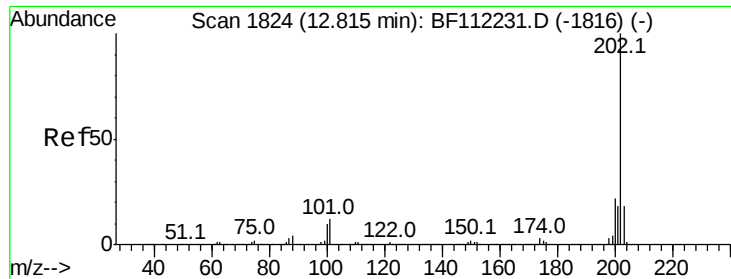
Delta R.T. -0.03 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	9.0	13.6#
236	25.6	20.7	31.1





#78

Pvrene

Concen: 53.637 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.04 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Instrument :

BNA_F

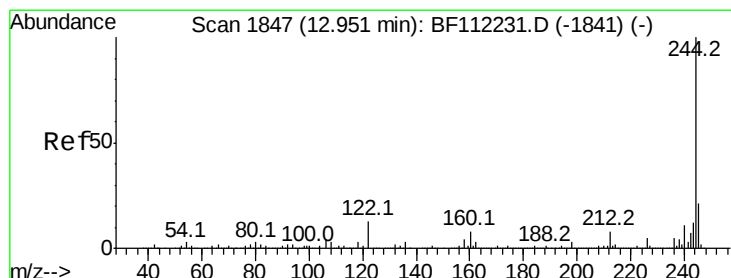
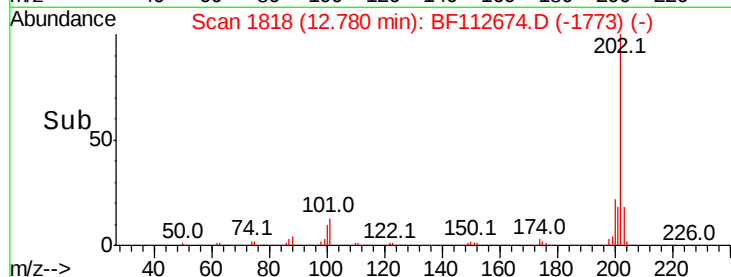
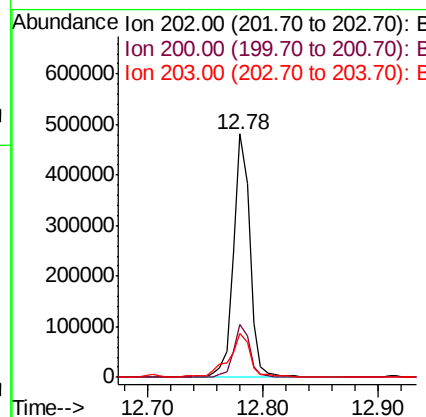
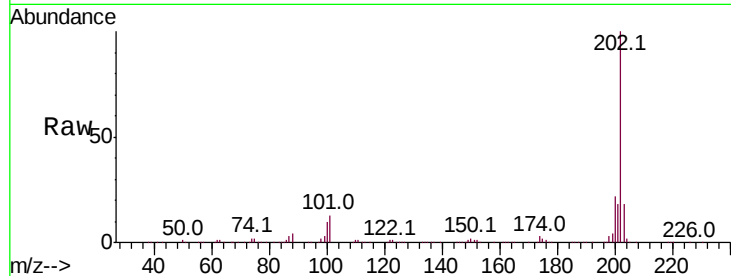
ClientSampleId :

COMP

Tot Ion:	202	Resp:	472279
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	18.0	14.6	22.0

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#79

Terphenyl-d14

Concen: 64.902 ng

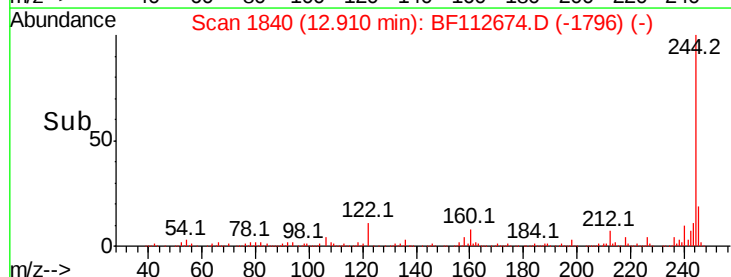
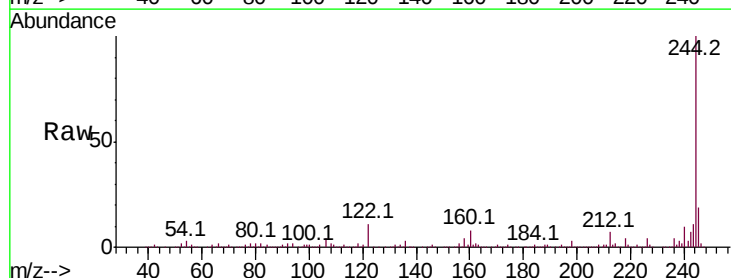
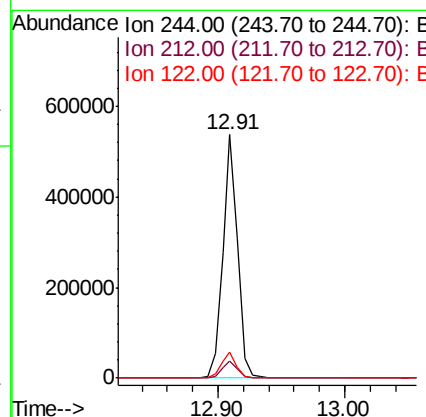
RT: 12.91 min Scan# 1840

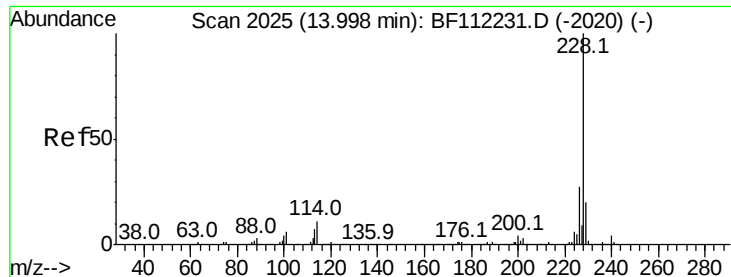
Delta R.T. -0.04 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Tgt Ion:	244	Resp:	438247
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.9	8.9
122	10.8	9.8	14.6





#81

Benzo(a)anthracene

Concen: 29.957 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Instrument :

BNA_F

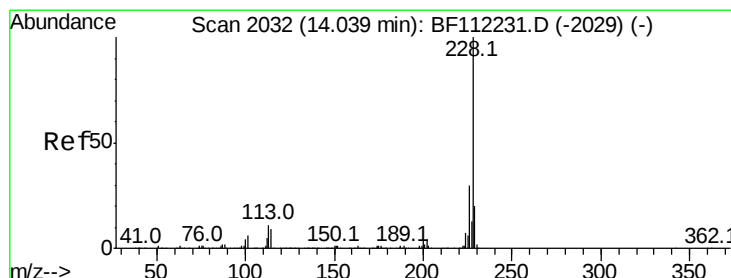
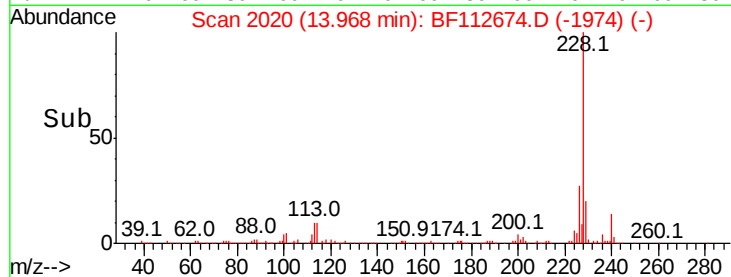
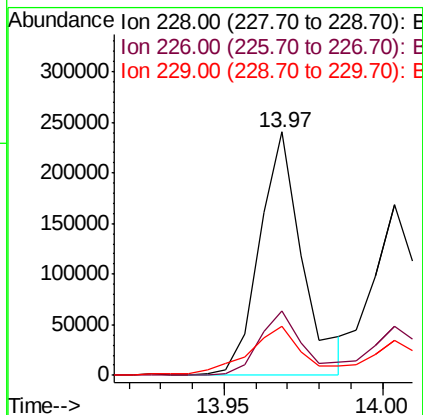
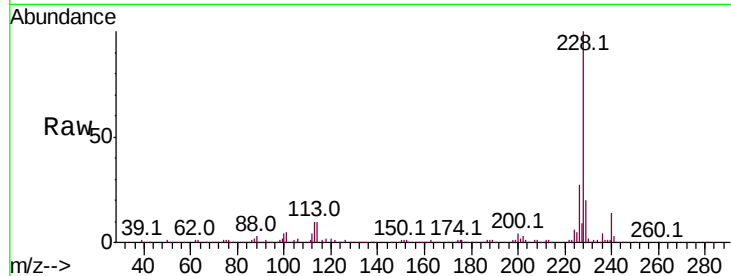
ClientSampleId :

COMP

Tot Ion:	228	Resp:	223963
Ion Ratio	Lower	Upper	
228	100		
226	26.7	22.6	34.0
229	20.2	16.5	24.7

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#83

Chrysene

Concen: 23.205 ng

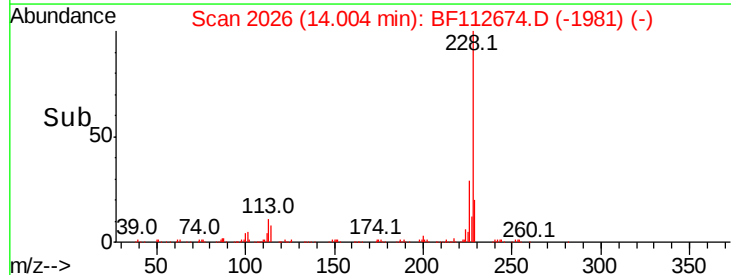
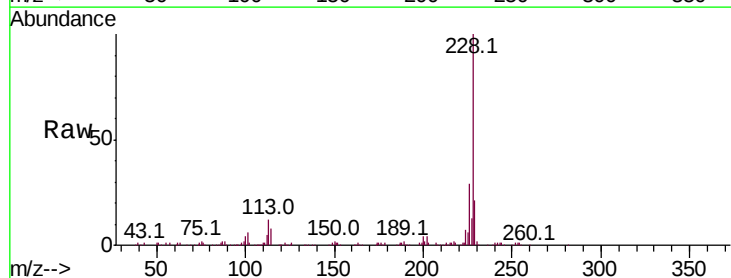
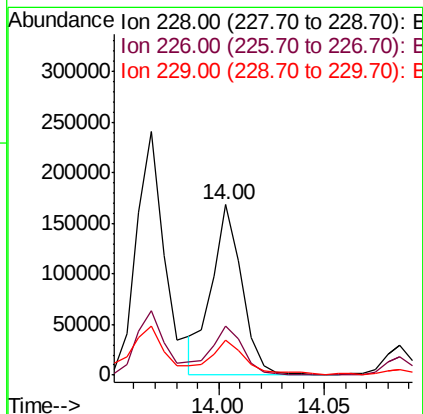
RT: 14.00 min Scan# 2026

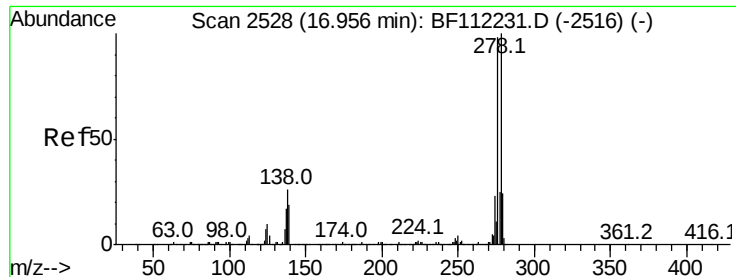
Delta R.T. -0.04 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Tgt Ion:	228	Resp:	165600
Ion Ratio	Lower	Upper	
228	100		
226	29.1	25.0	37.6
229	20.6	16.6	24.8





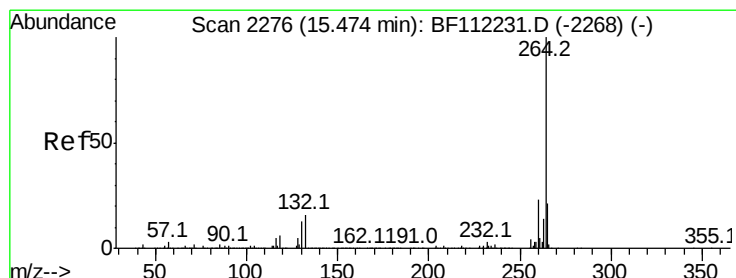
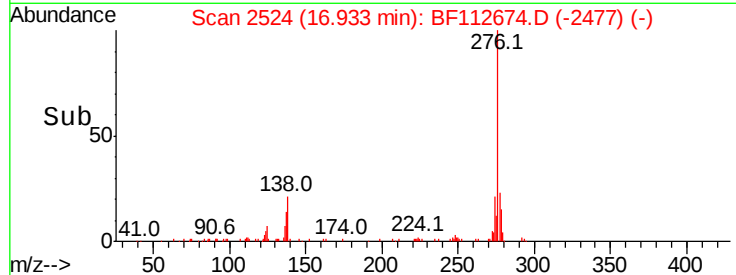
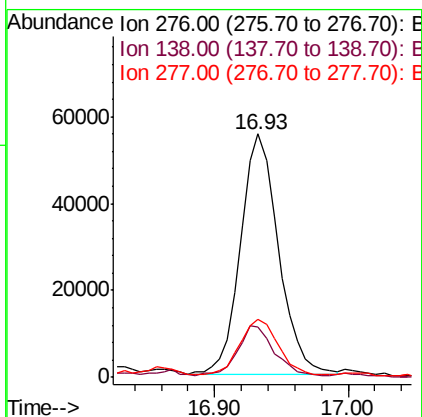
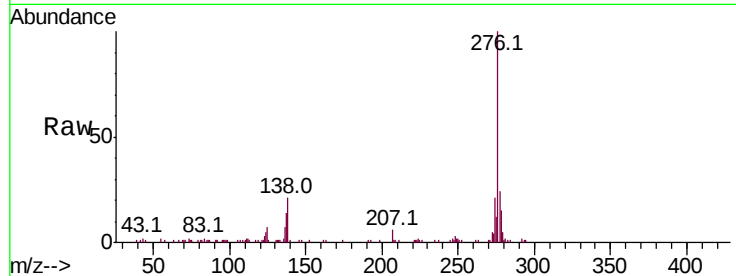
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 19.180 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF112674.D
 Acq: 22 Feb 2019 19:44

Instrument :
 BNA_F
 ClientSampled :
 COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	22.6	34.0#
277	23.1	20.3	30.5

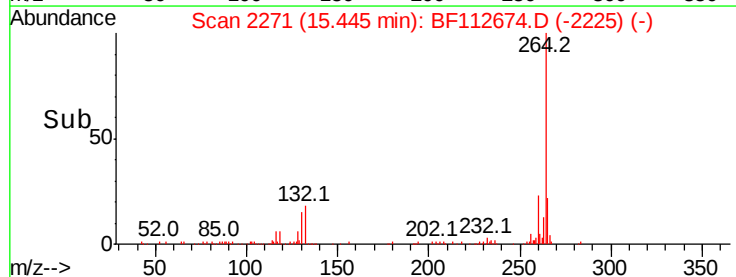
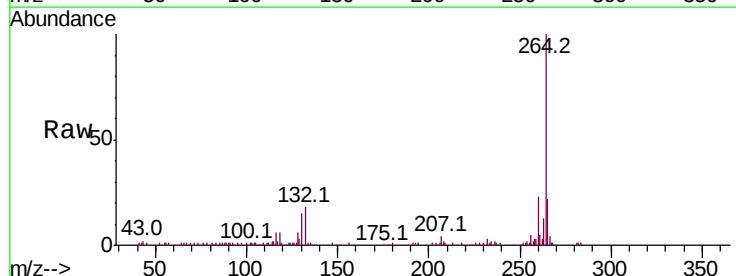
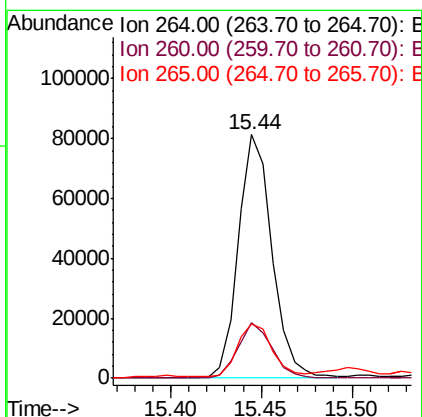
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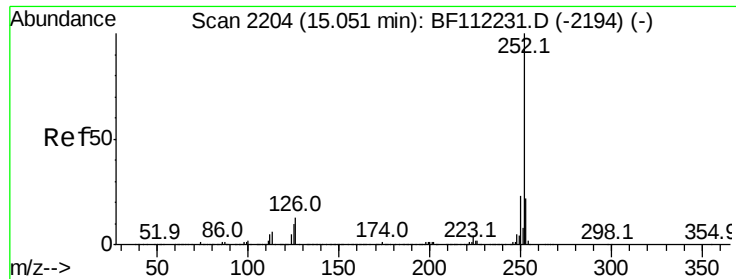
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.03 min
 Lab File: BF112674.D
 Acq: 22 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.2
265	22.4	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 37.313 ng m

RT: 15.02 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Instrument :

BNA_F

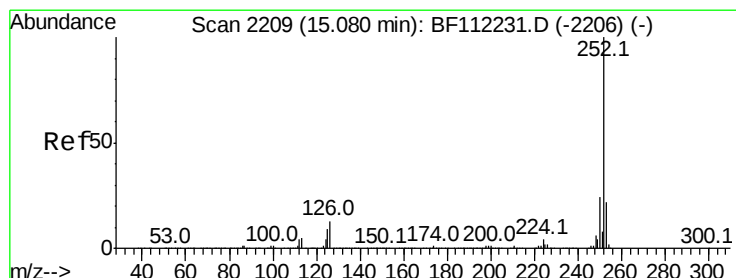
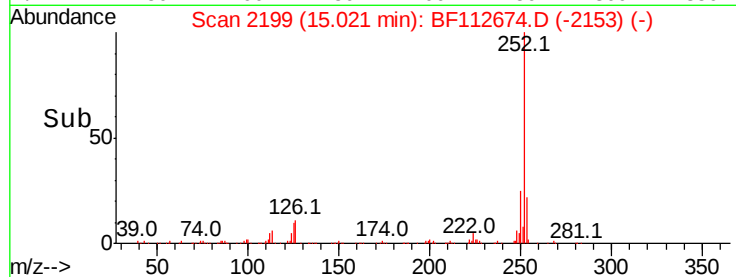
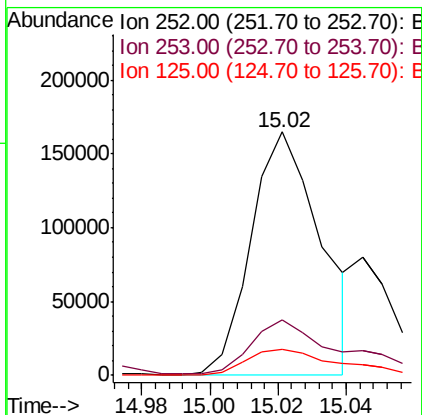
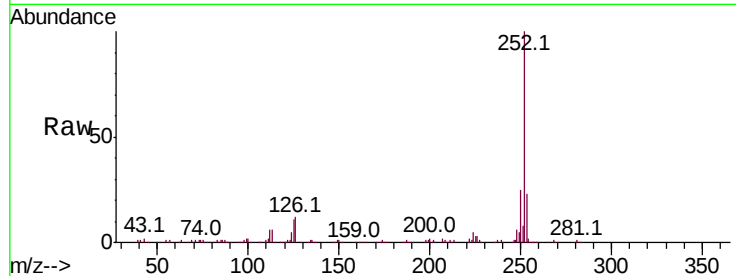
ClientSampled :

COMP

Tot Ion:	252	Resp:	233946
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	10.7	8.7	13.1

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#89

Benzo(k)fluoranthene

Concen: 10.976 ng m

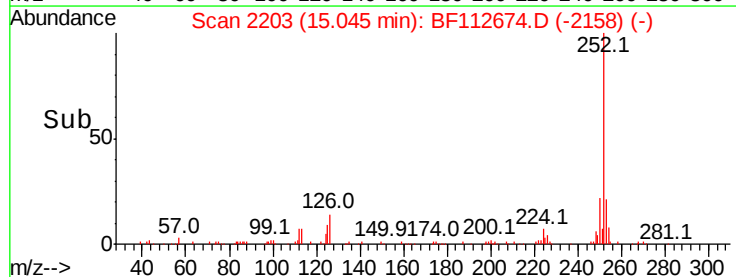
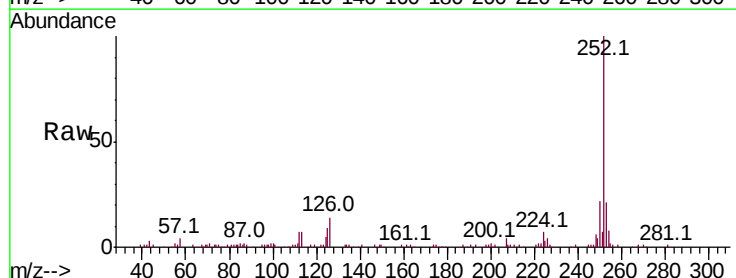
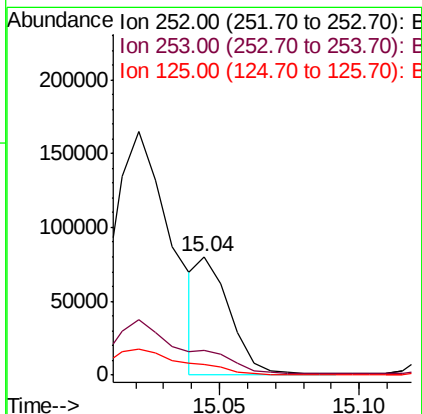
RT: 15.04 min Scan# 2203

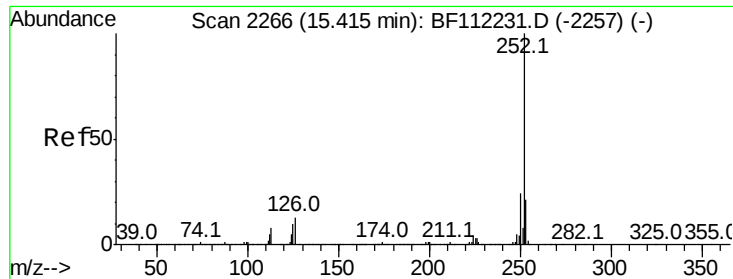
Delta R.T. -0.04 min

Lab File: BF112674.D

Acq: 22 Feb 2019 19:44

Tgt Ion:	252	Resp:	65919
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.0	27.0
125	9.0	9.1	13.7#





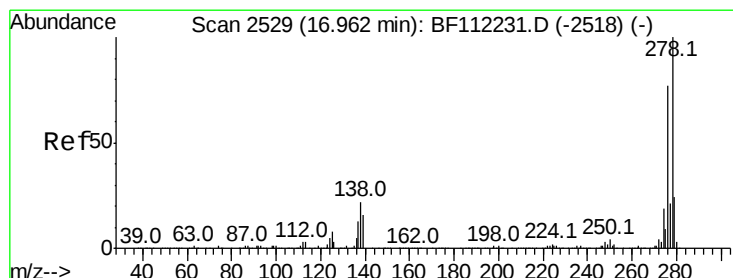
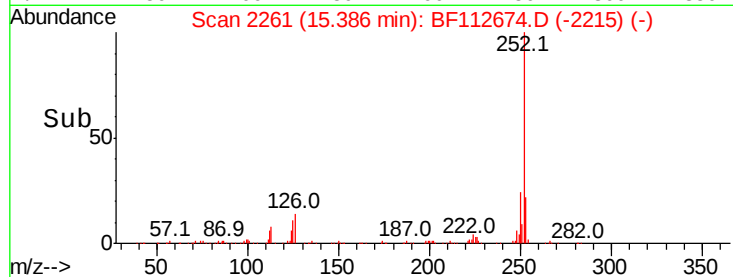
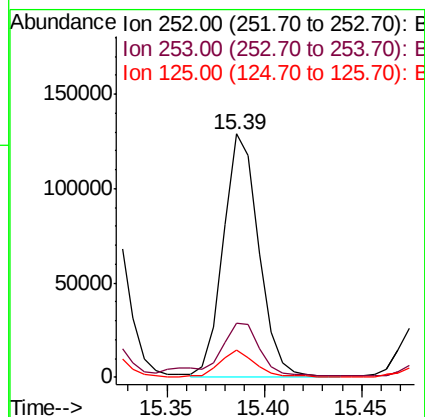
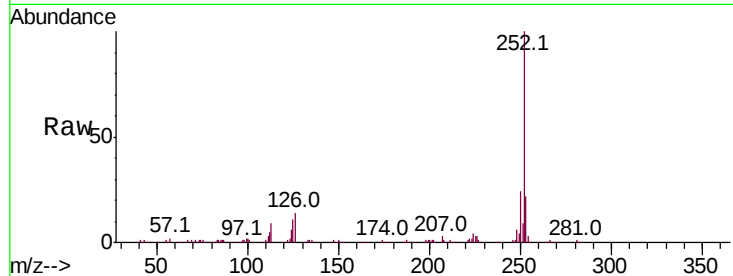
#90
Benzo(a)pyrene
Concen: 28.647 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.03 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Instrument :
BNA_F
ClientSampled :
COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.0	9.0	13.4

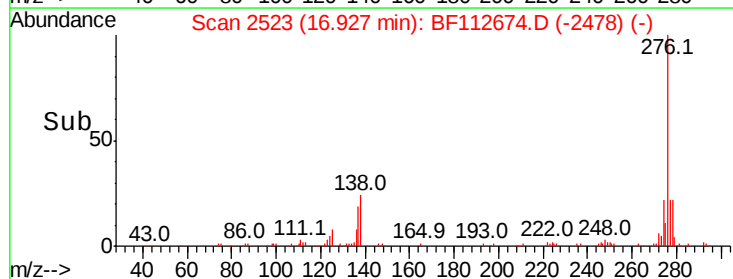
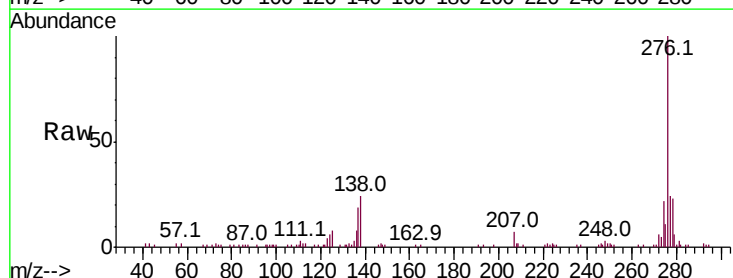
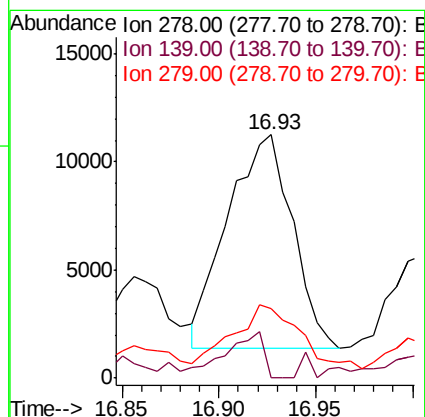
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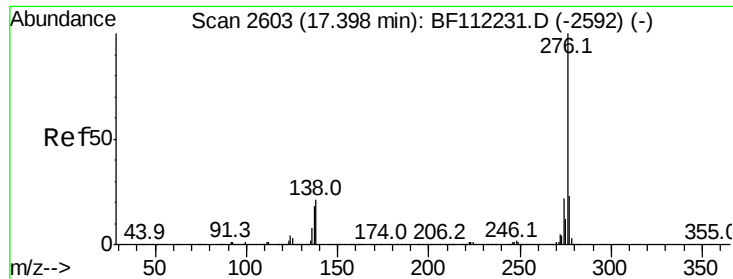
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 5.050 ng m
RT: 16.93 min Scan# 2523
Delta R.T. -0.04 min
Lab File: BF112674.D
Acq: 22 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.7	20.5#
279	28.6	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 24.386 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.01 min
 Lab File: BF112674.D
 Acq: 22 Feb 2019 19:44

Instrument :
 BNA_F
 ClientSampleId :
 COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.0
138	20.9	19.1	28.7

Manual Integrations
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