

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
 Data File : BF112357.D
 Acq On : 1 Feb 2019 17:51
 Operator : JU/SJ
 Sample : K1297-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

Manual Integrations
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Quant Time: Feb 01 23:43:39 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	6.83	152	160568	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	593376	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	274067	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	455637	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	318696	20.00	ng	0.00
87) Perylene-d12	15.47	264	368974	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1010854	133.72	ng	0.00
7) Phenol-d6	6.49	99	1230627	117.15	ng	0.00
23) Nitrobenzene-d5	7.40	82	782353	75.97	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	330736	103.68	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1240604	64.02	ng	-0.01
79) Terphenyl-d14	12.94	244	821898	48.57	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.58	163	135032	6.341	ng	99
52) Acenaphthene	9.90	154	34703	2.133	ng	99
58) Fluorene	10.42	166	48191	2.590	ng	100
71) Phenanthrene	11.38	178	805948	34.024	ng	98
72) Anthracene	11.43	178	209300	8.870	ng	99
73) Carbazole	11.59	167	112779	4.845	ng	99
75) Fluoranthene	12.57	202	1059247	41.692	ng	99
78) Pyrene	12.80	202	835161	37.851	ng	99
81) Benzo(a)anthracene	13.99	228	600444	32.050	ng	99
83) Chrysene	14.03	228	472673	26.431	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	361372	25.502	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	849071m	38.478	ng	
89) Benzo(k)fluoranthene	15.07	252	236046m	11.168	ng	
90) Benzo(a)pyrene	15.41	252	610013	30.723	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	109885m	6.867	ng	
92) Benzo(g,h,i)perylene	17.39	276	311553	20.636	ng	99

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

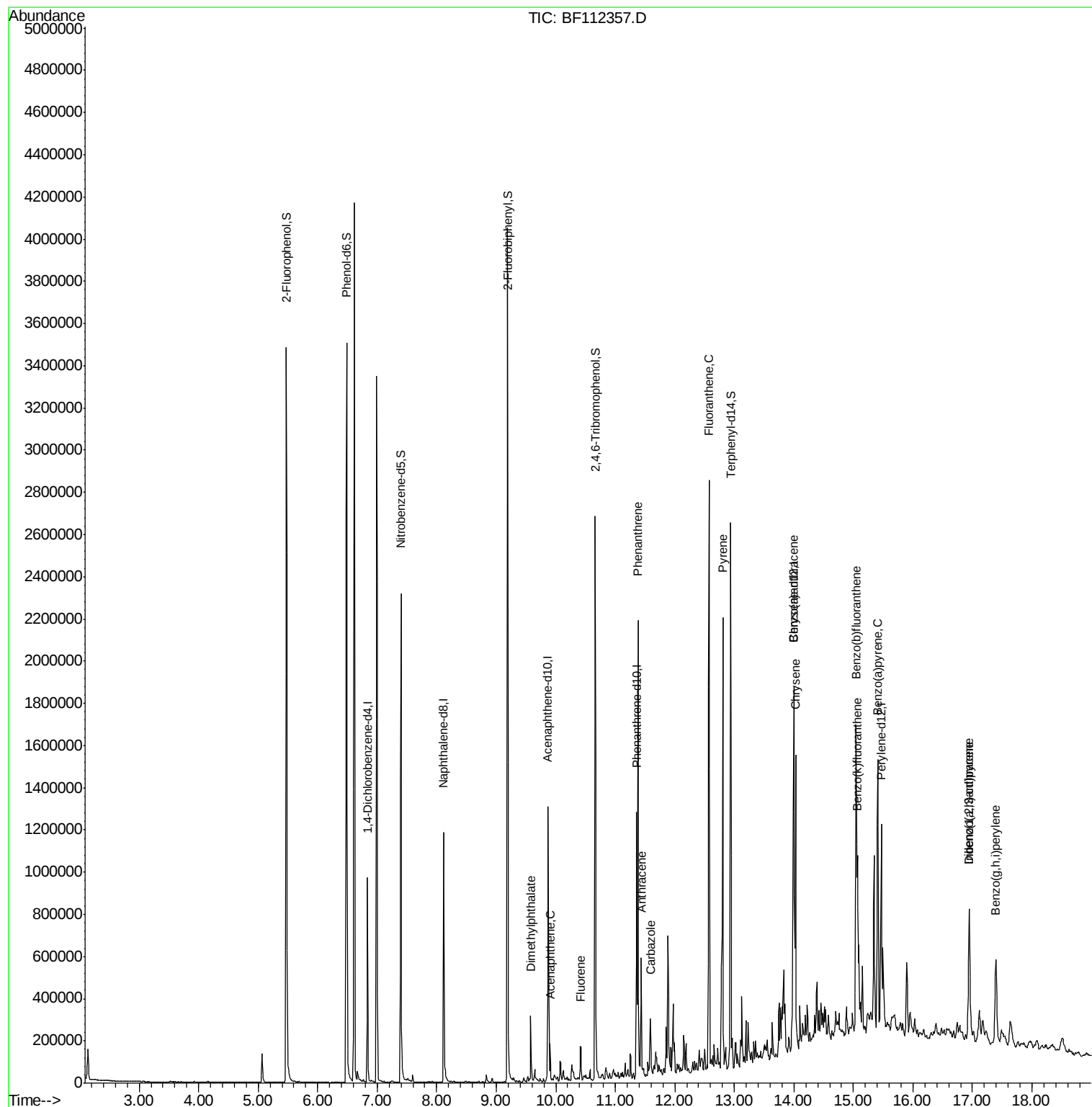
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
Data File : BF112357.D
Acq On : 1 Feb 2019 17:51
Operator : JU/SJ
Sample : K1297-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

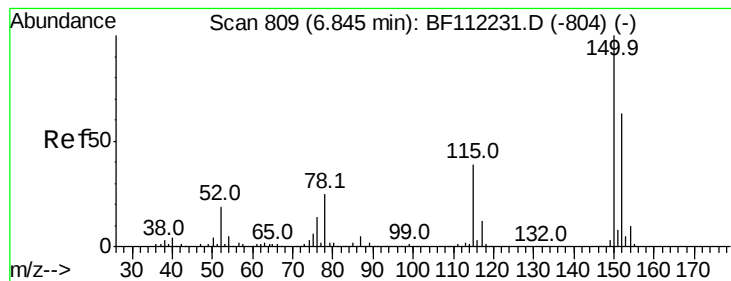
Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

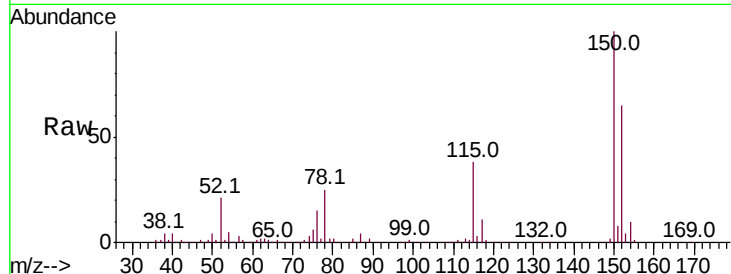
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	127.4	191.0
115	59.4	45.5	68.3

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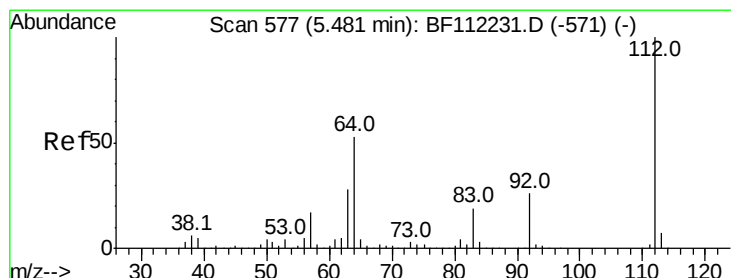
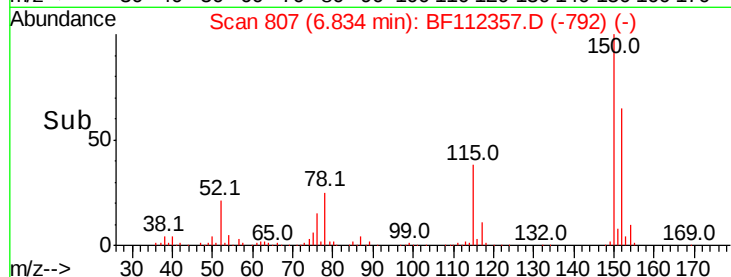
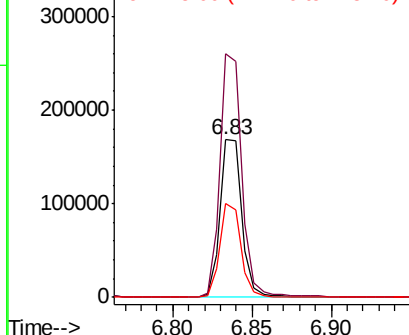


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

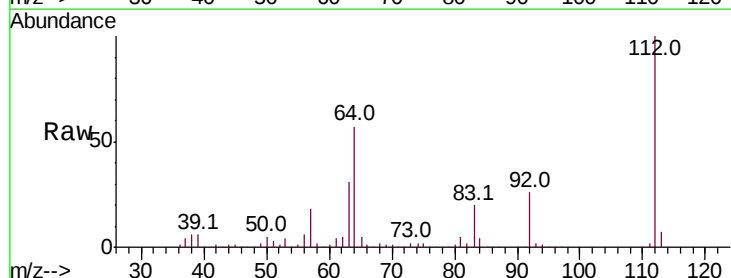
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.720 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.7	68.5
63	30.8	23.6	35.4

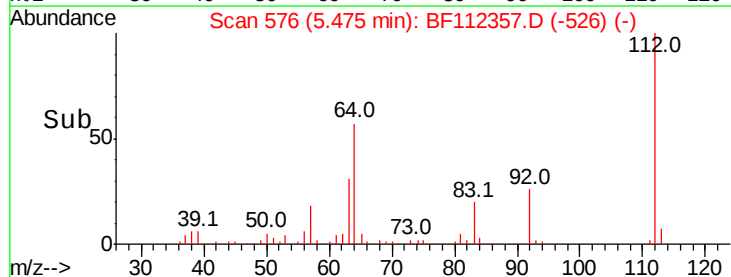
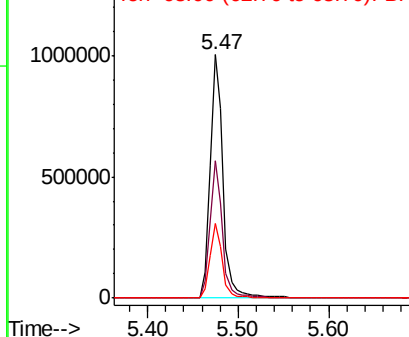


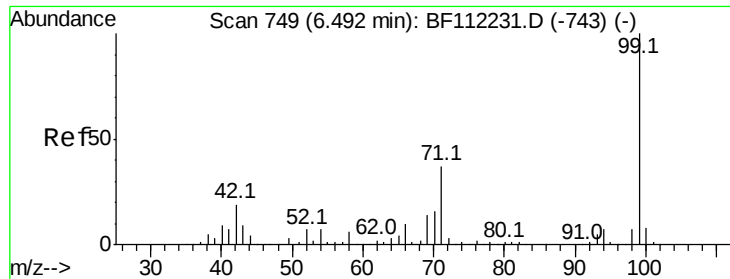
Abundance

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: 117.155 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

Tot Ion: 99 Resp: 1230627

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

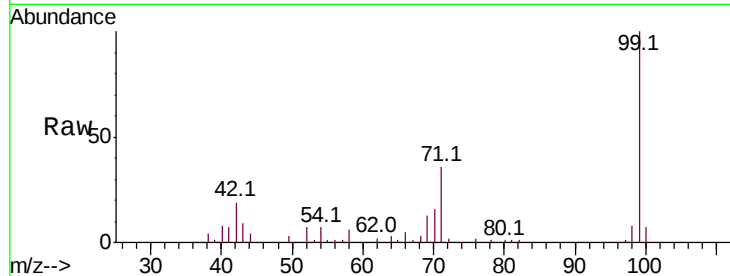
71 36.4 26.9 40.3

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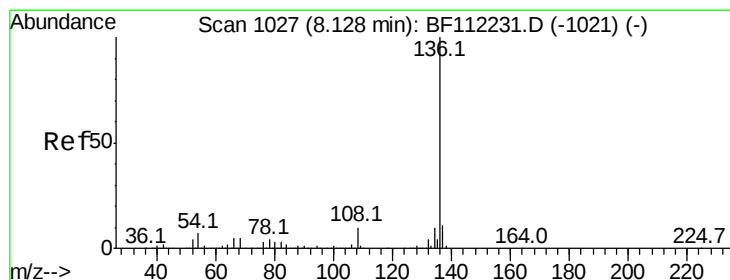
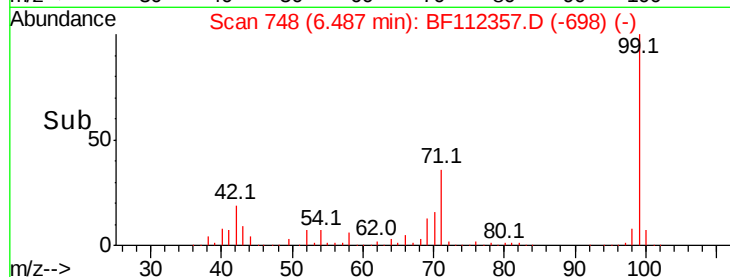
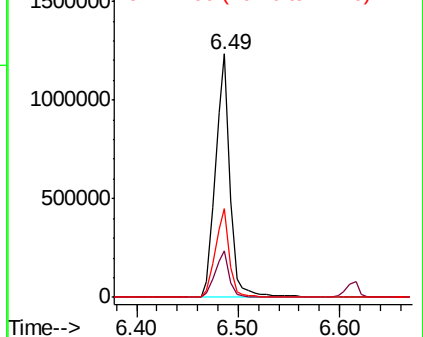
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Tgt Ion: 136 Resp: 593376

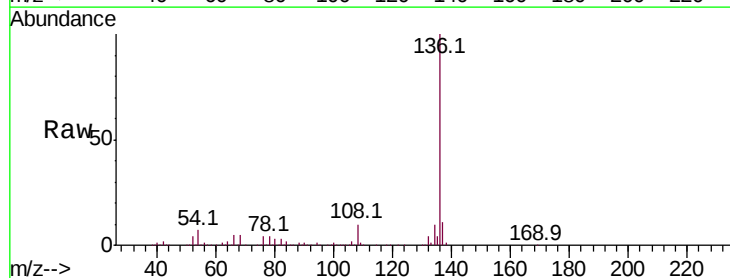
Ion Ratio Lower Upper

136 100

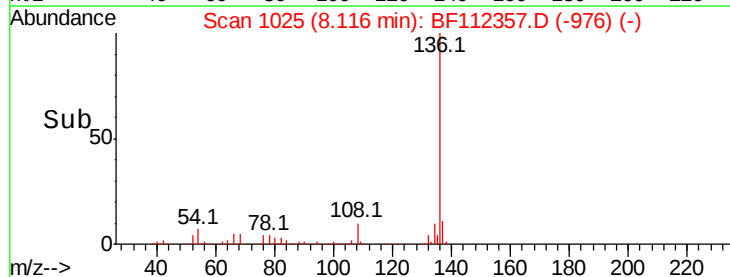
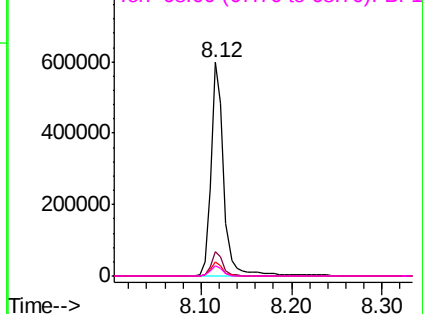
137 11.5 9.1 13.7

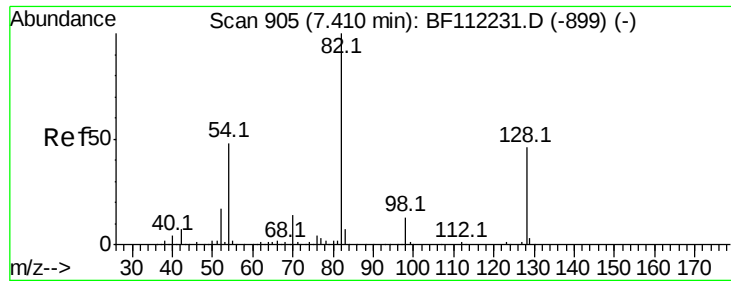
54 6.8 5.9 8.9

68 5.0 5.1 7.7#



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





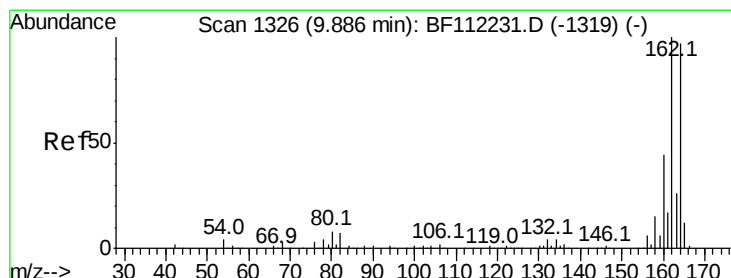
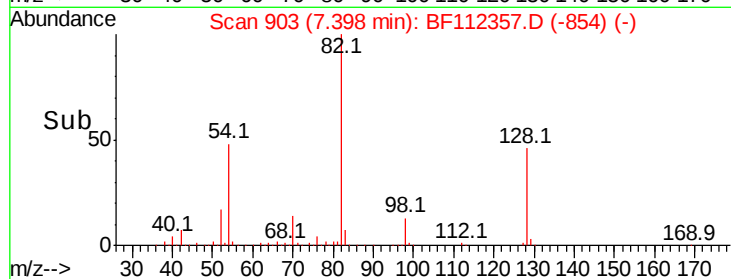
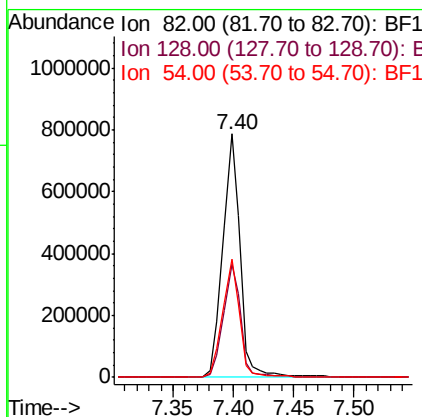
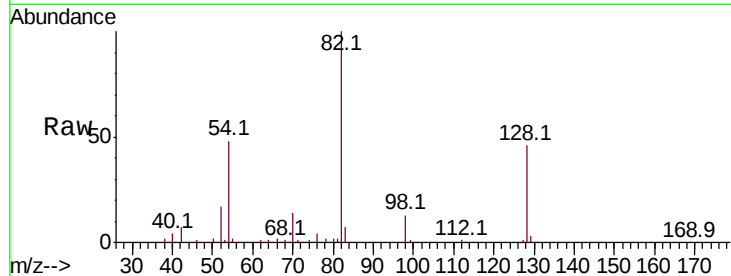
#23
Nitrobenzene-d5
Concen: 75.970 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tot Ion	82	Resp	782353
Ion Ratio	Lower	Upper	
82	100		
128	46.5	37.8	56.8
54	48.5	39.7	59.5

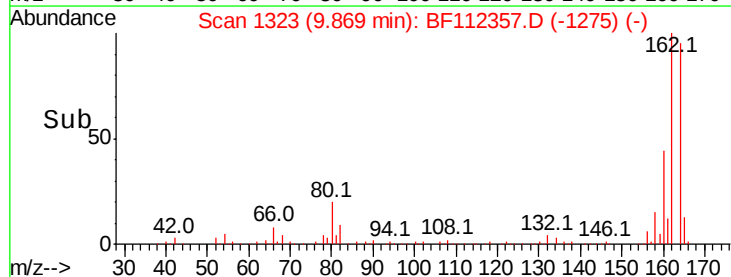
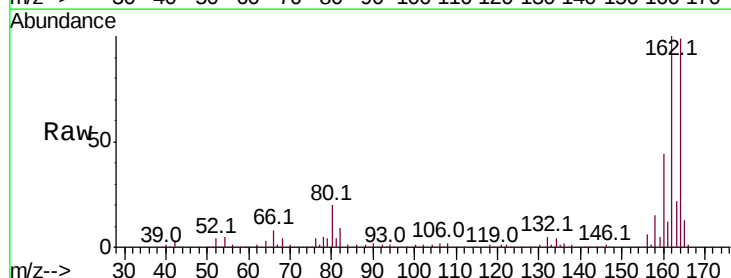
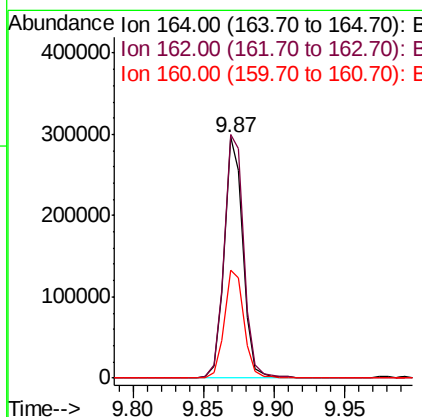
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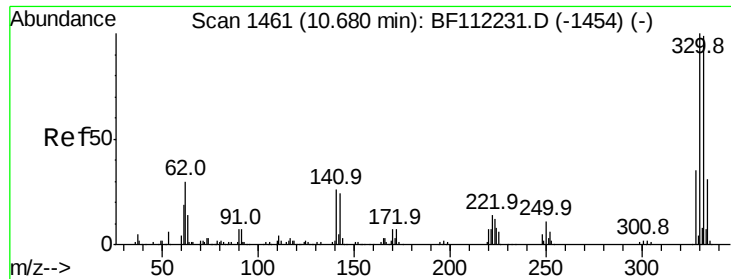
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion	164	Resp	274067
Ion Ratio	Lower	Upper	
164	100		
162	101.1	82.2	123.4
160	44.7	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 103.677 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

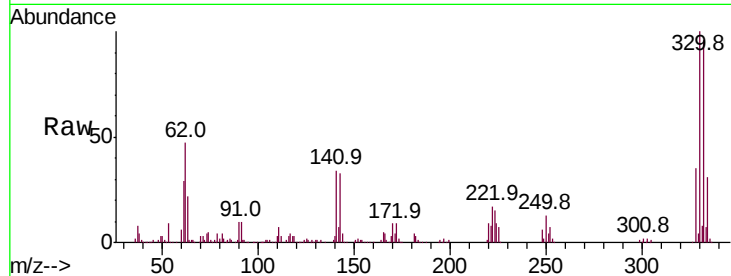
ClientSampleId :

DUP-01-30-19

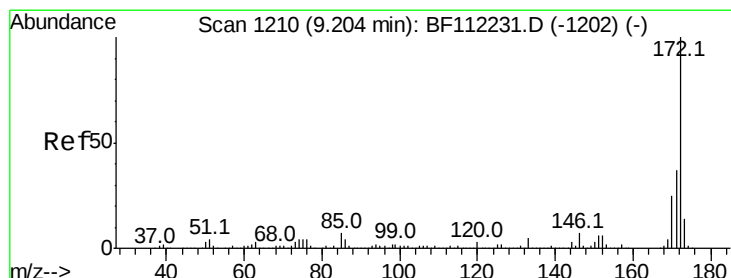
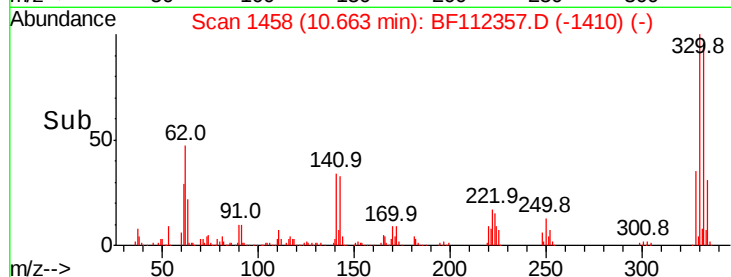
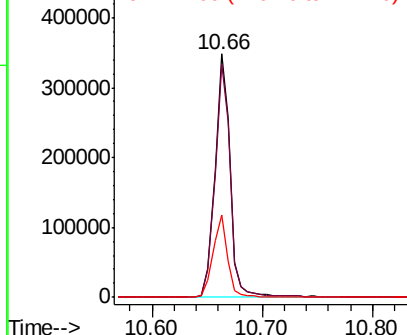
Tot Ion:	330	Resp:	330736
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.6	114.8
141	32.3	24.3	36.5

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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: 64.022 ng

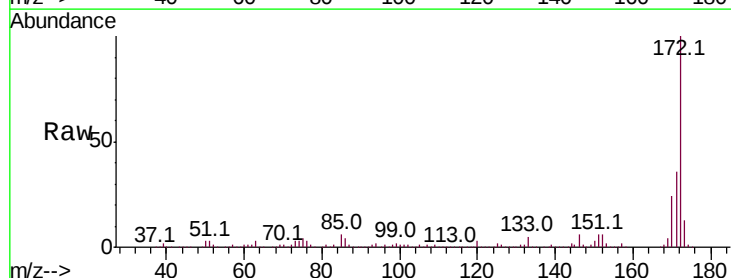
RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

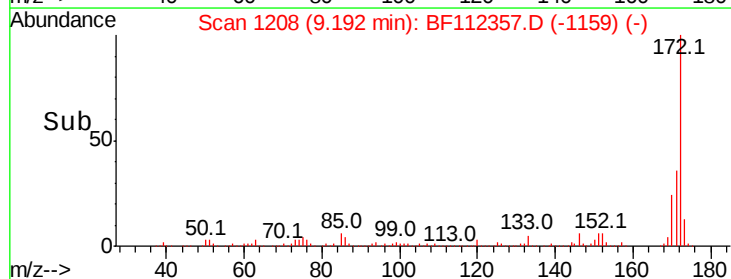
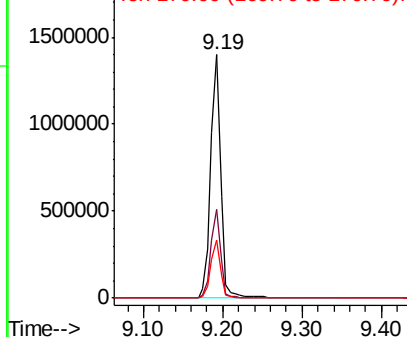
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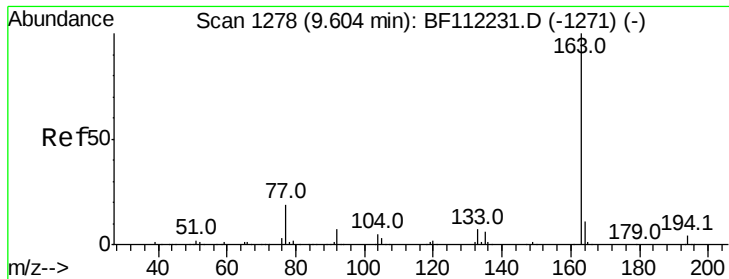
Acq: 1 Feb 2019 17:51

Tgt Ion:	172	Resp:	1240604
Ion Ratio	Lower	Upper	
172	100		
171	36.2	30.5	45.7
170	24.0	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





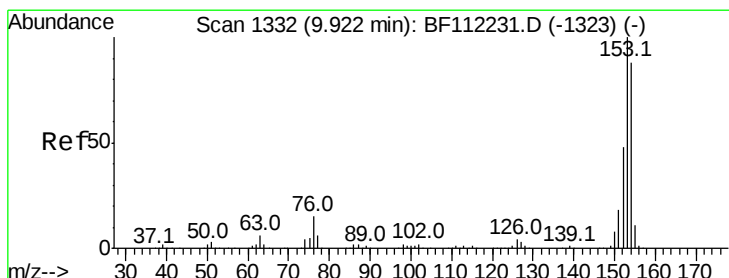
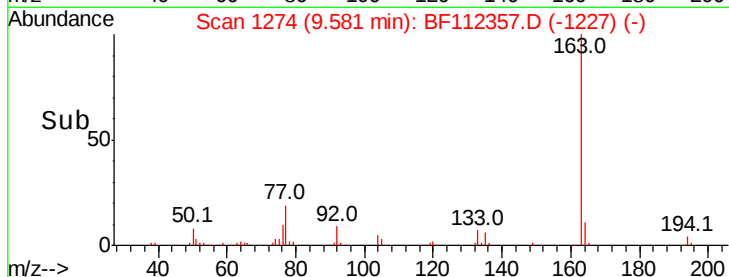
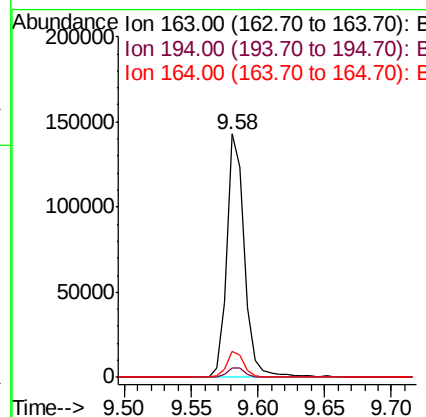
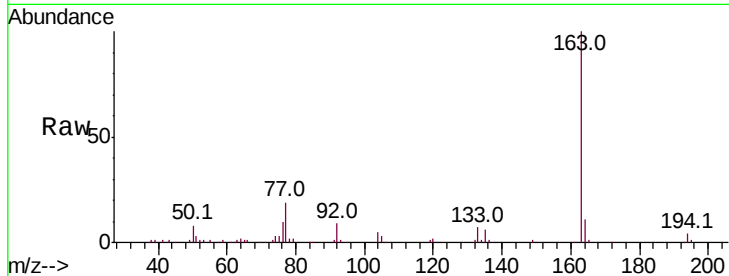
#50
Dimethylphthalate
Concen: 6.341 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	3.3	4.9	
164	10.6	8.5	12.7	

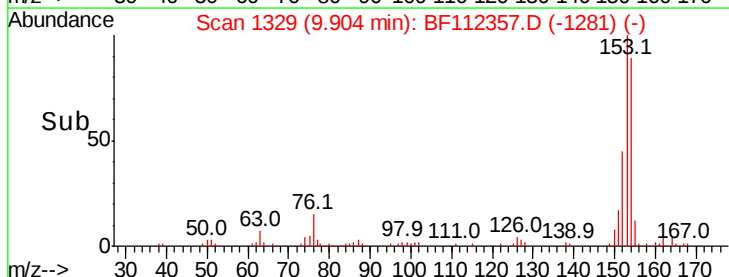
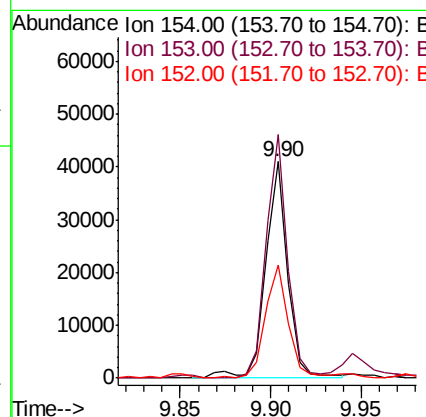
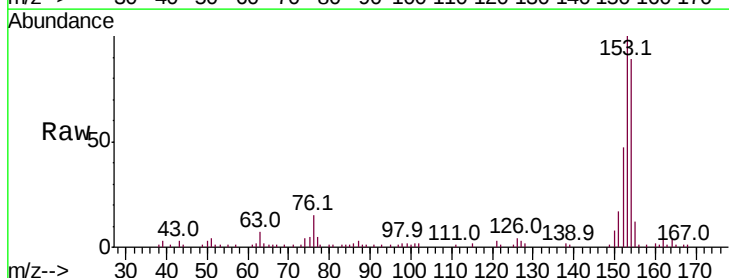
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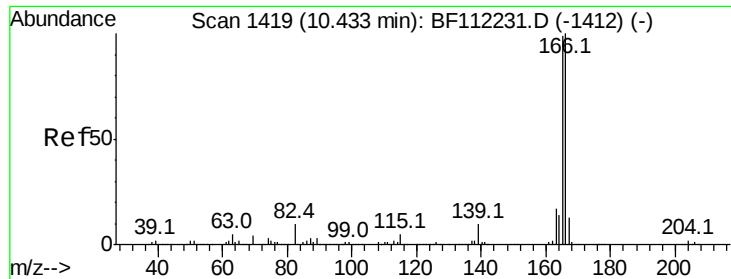
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#52
Acenaphthene
Concen: 2.133 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.4	89.8	134.6	
152	52.4	43.5	65.3	





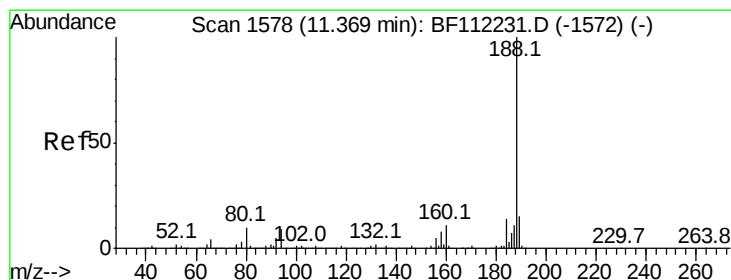
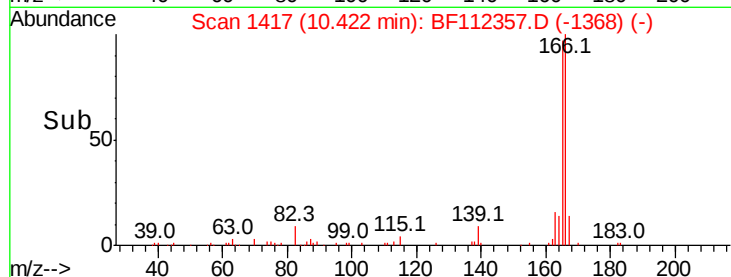
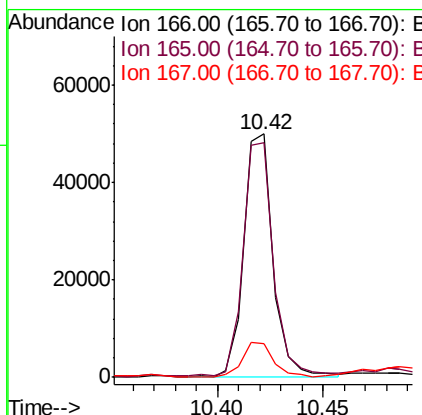
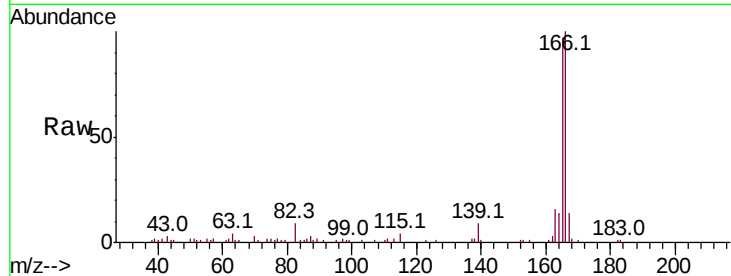
#58
 Fluorene
 Concen: 2.590 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.1	115.7
167	13.9	11.3	16.9

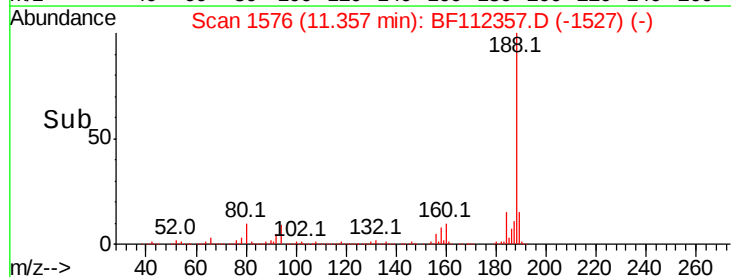
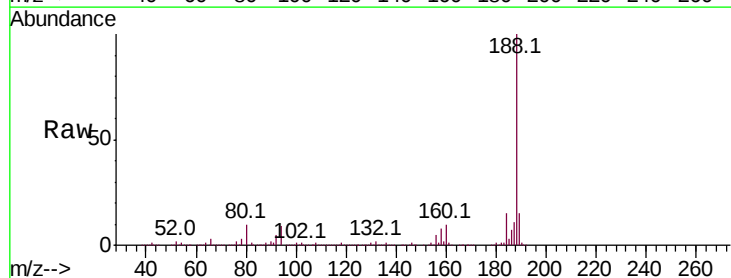
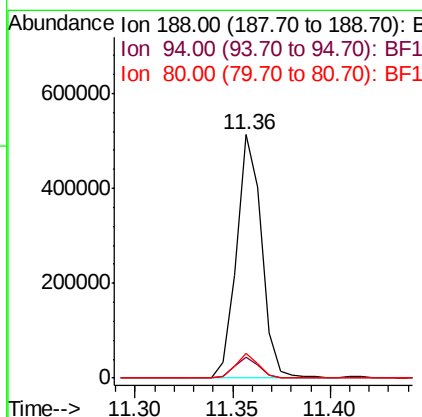
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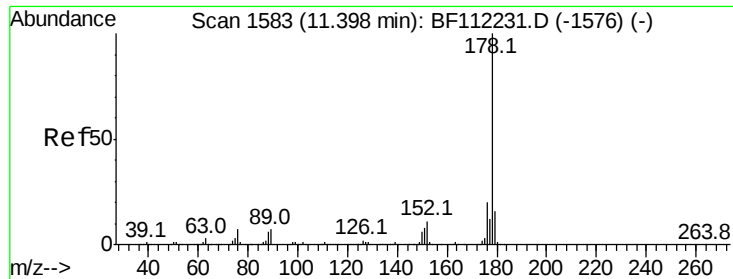
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	10.2	8.9	13.3





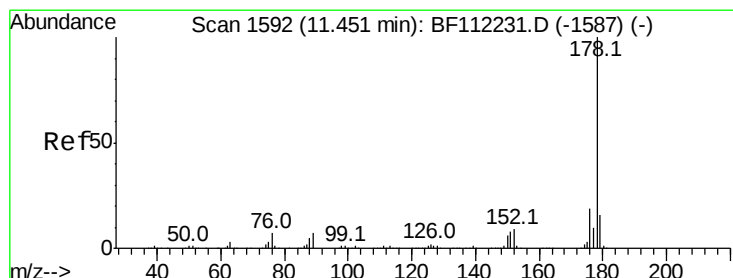
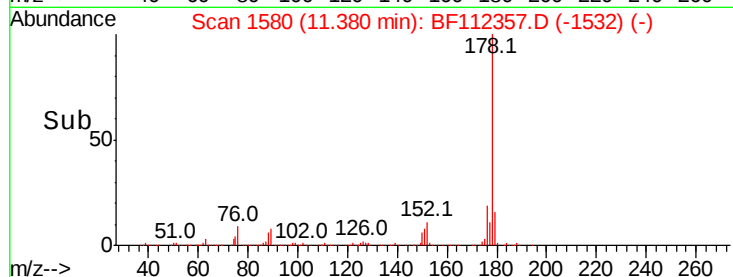
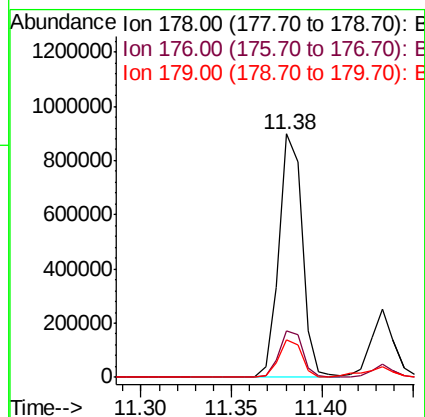
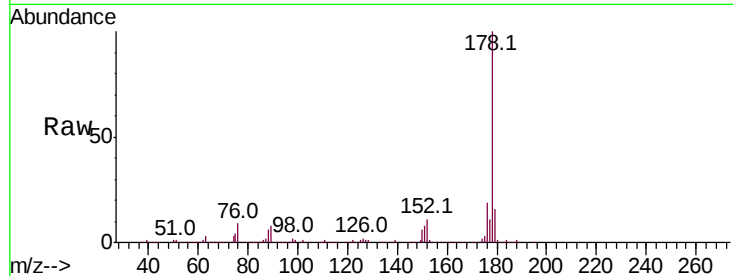
#71
Phenanthrene
Concen: 34.024 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.3	24.5
179	15.6	13.0	19.4

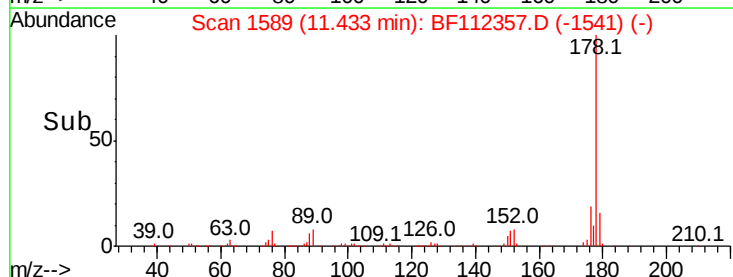
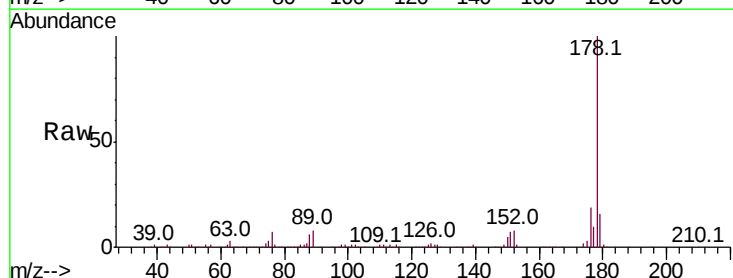
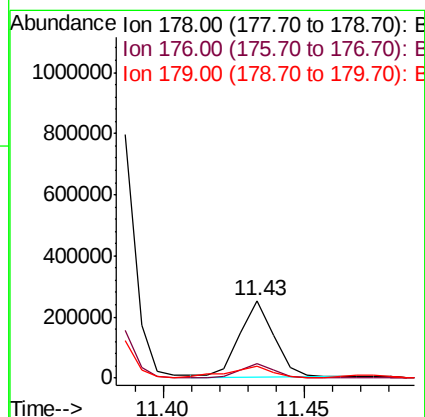
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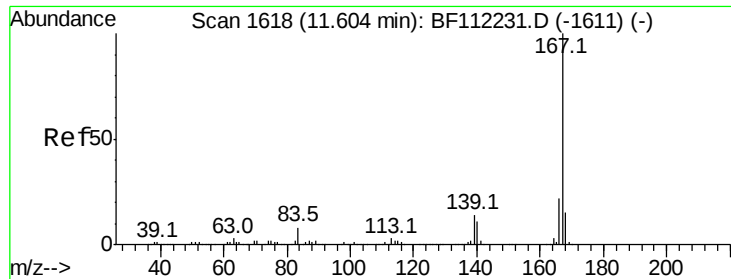
apatel
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#72
Anthracene
Concen: 8.870 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	16.0	12.8	19.2





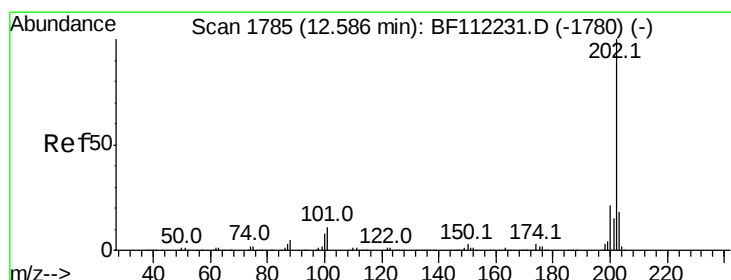
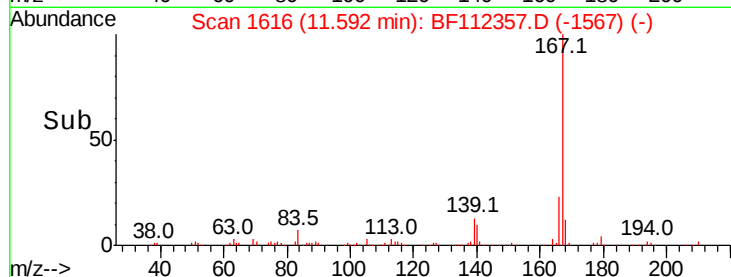
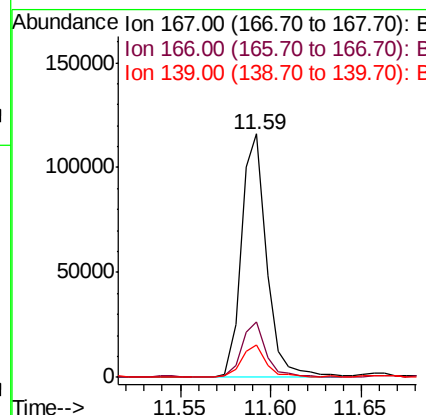
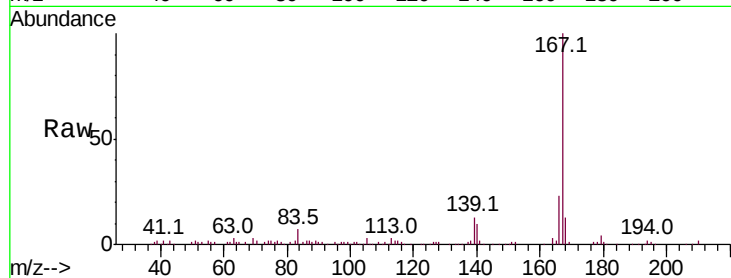
#73
 Carbazole
 Concen: 4.845 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.9	26.9
139	13.3	10.2	15.2

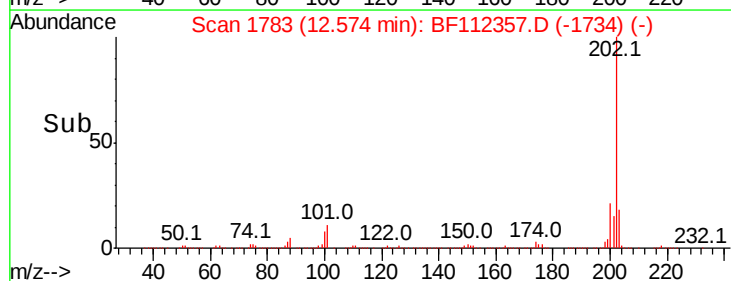
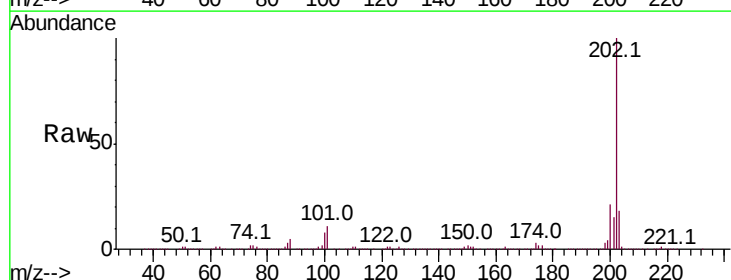
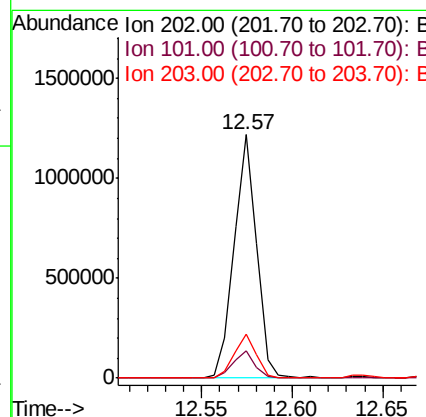
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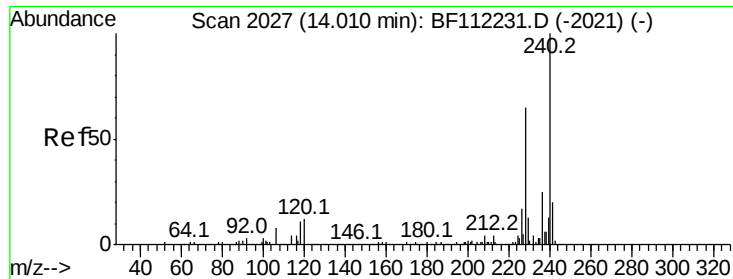
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#75
 Fluoranthene
 Concen: 41.692 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.8
203	17.9	0.0	38.4





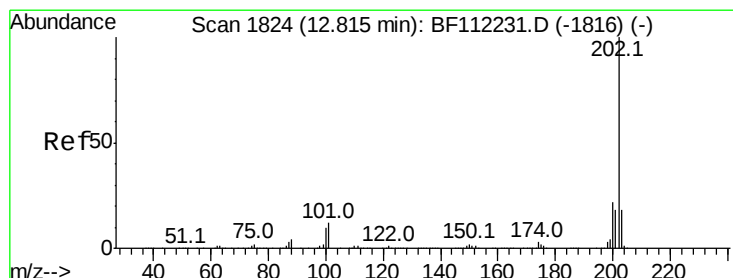
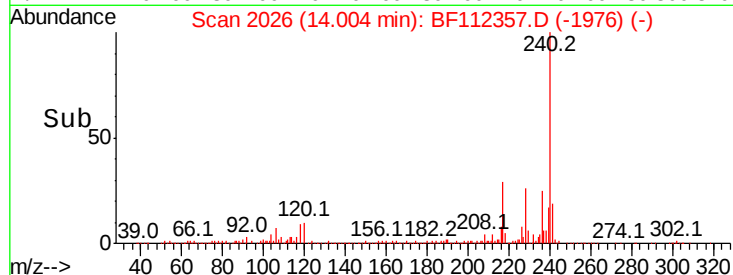
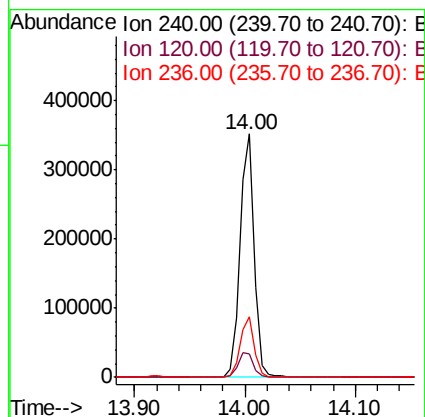
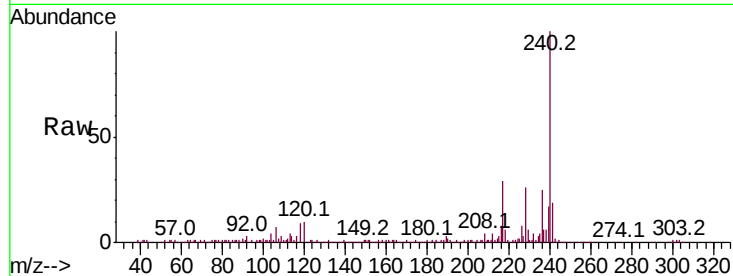
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.9	9.0	13.6	
236	25.0	20.7	31.1	

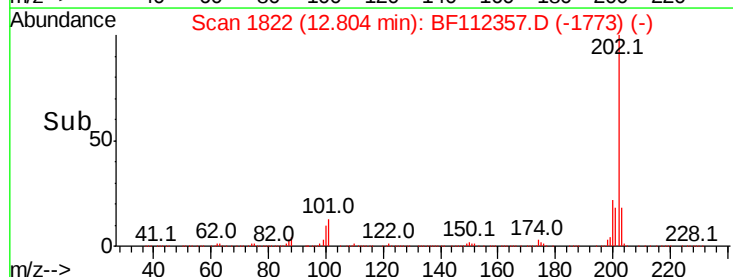
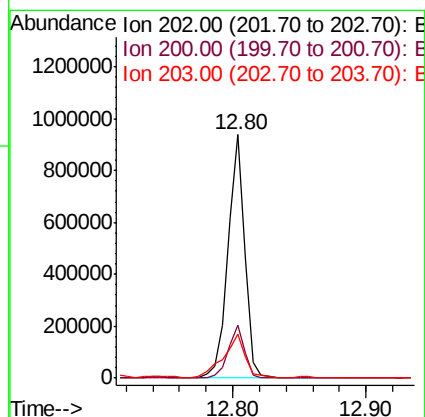
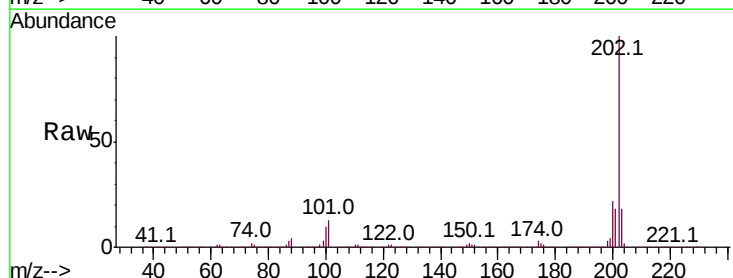
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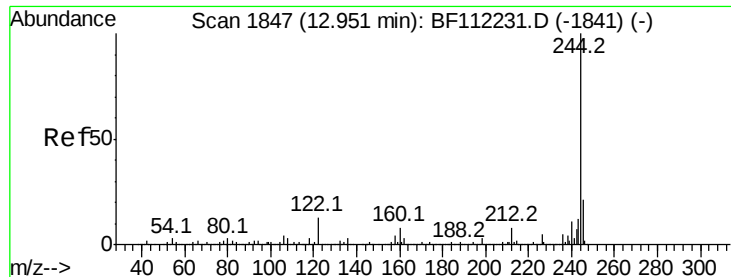
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#78
 Pyrene
 Concen: 37.851 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.7	17.7	26.5	
203	18.2	14.6	22.0	





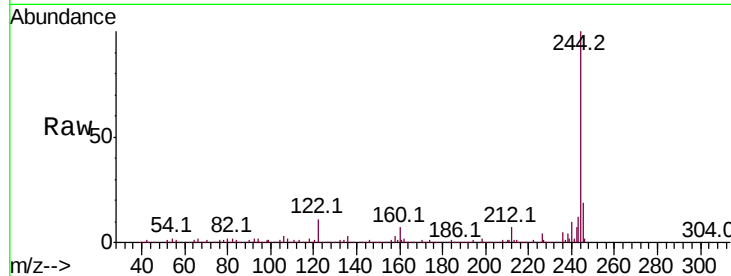
#79
 Terphenyl-d14
 Concen: 48.573 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

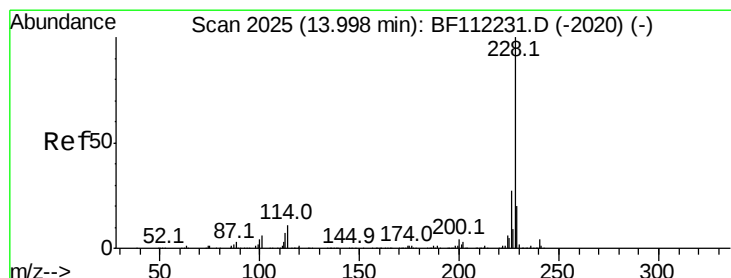
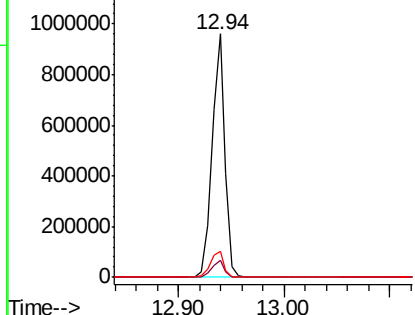
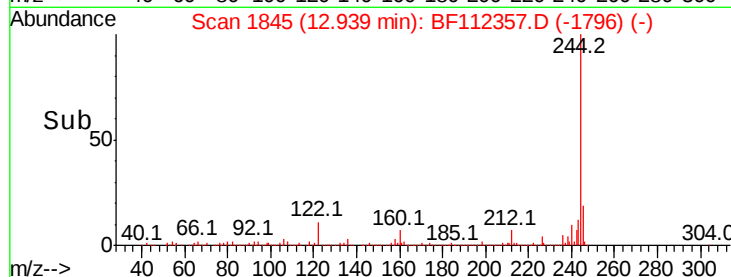
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	10.7	9.8	14.6

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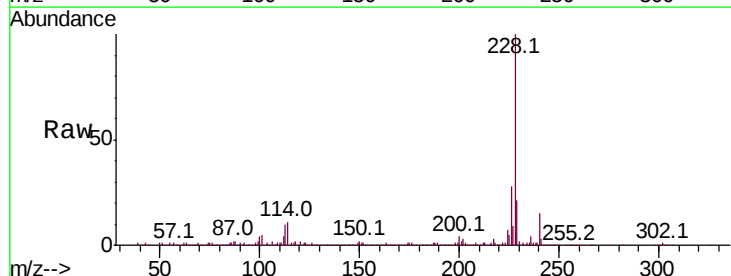


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

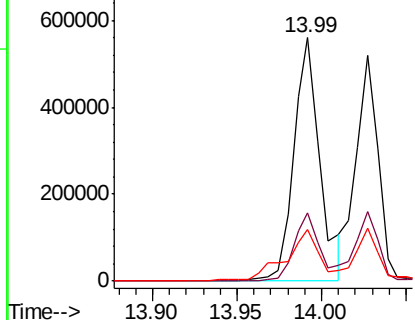
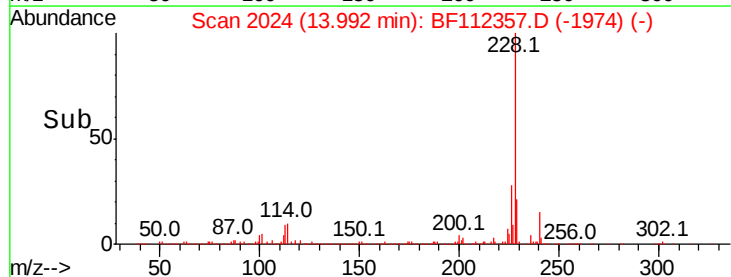


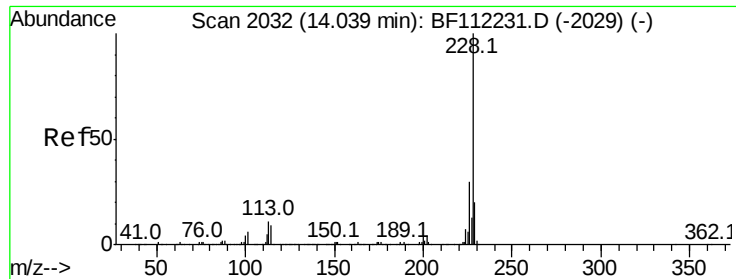
#81
 Benzo(a)anthracene
 Concen: 32.050 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	34.0
229	21.2	16.5	24.7



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





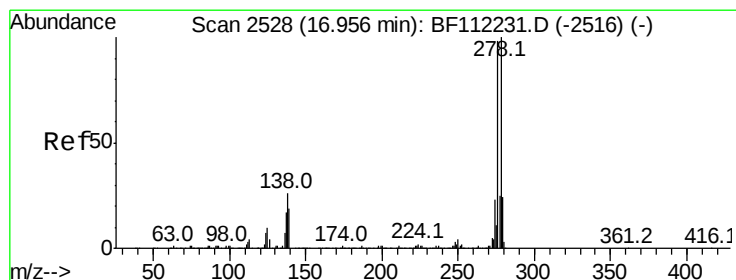
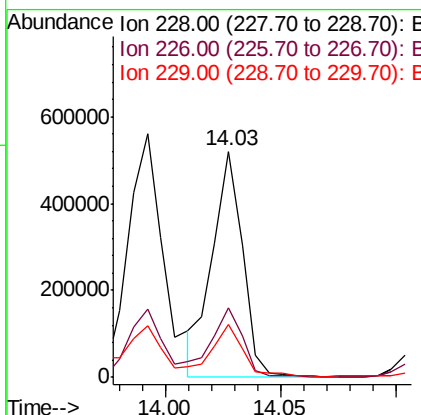
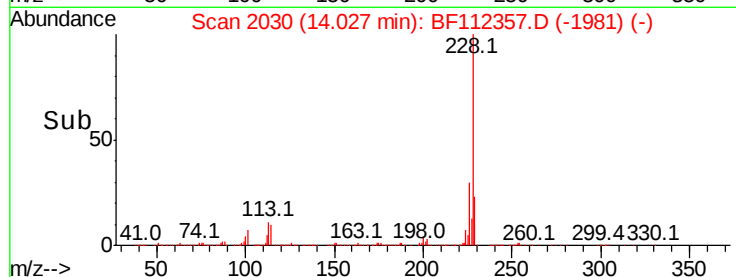
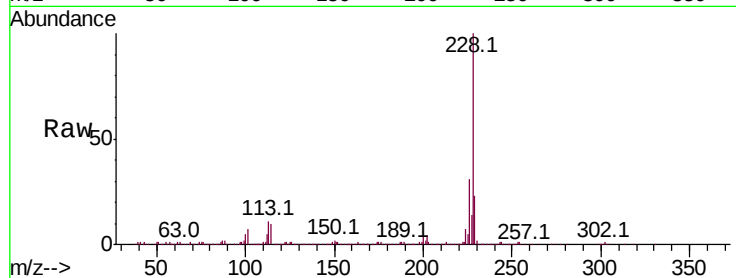
#83
Chrysene
Concen: 26.431 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	23.1	16.6	24.8

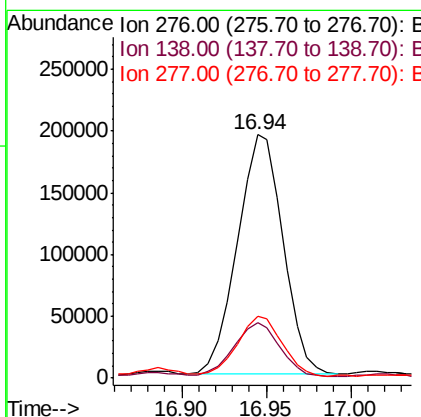
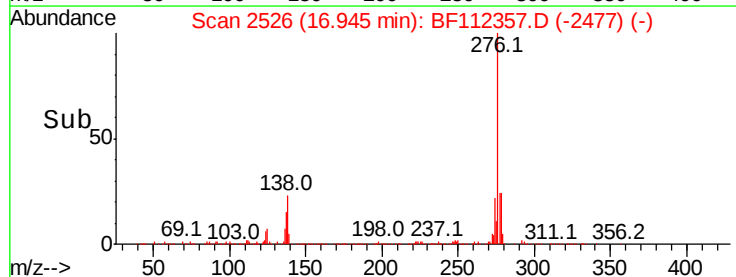
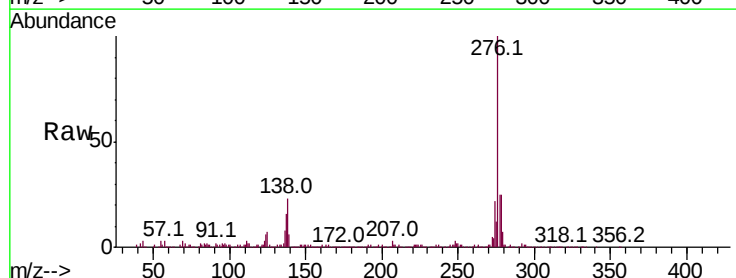
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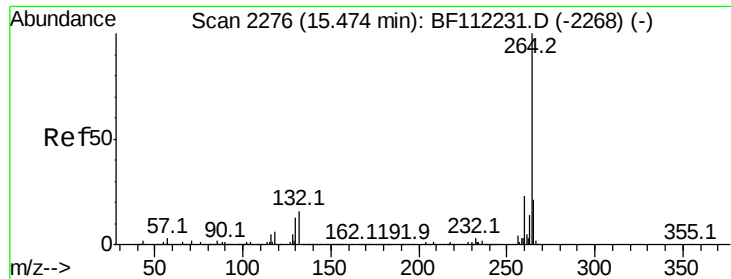
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#86
Indeno(1,2,3-cd)pyrene
Concen: 25.502 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.6	34.0#
277	24.4	20.3	30.5





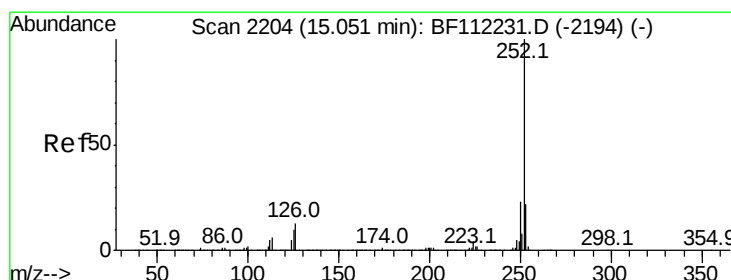
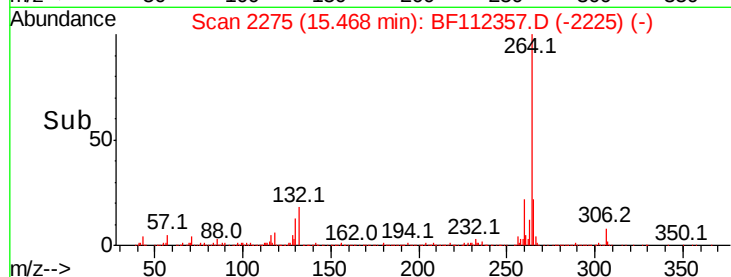
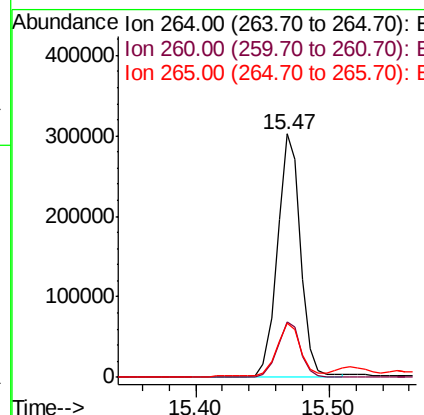
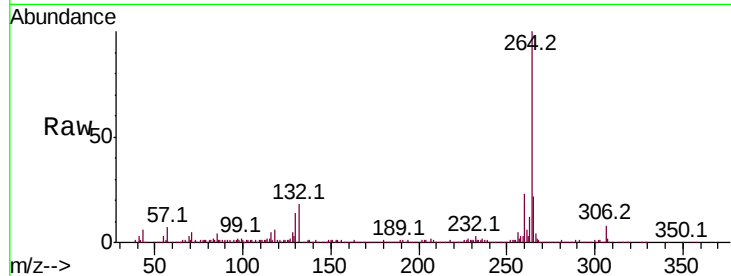
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

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

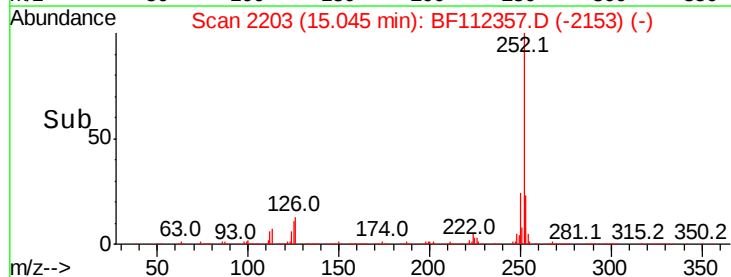
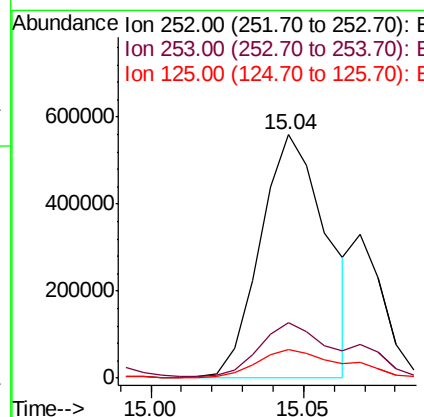
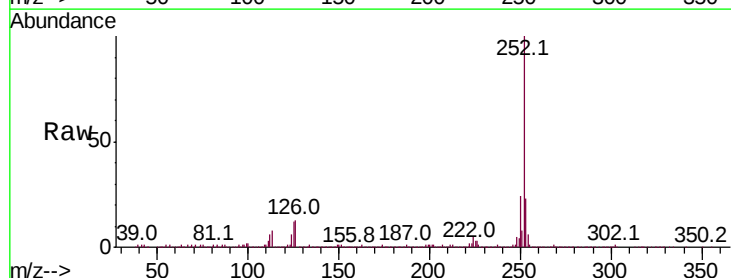
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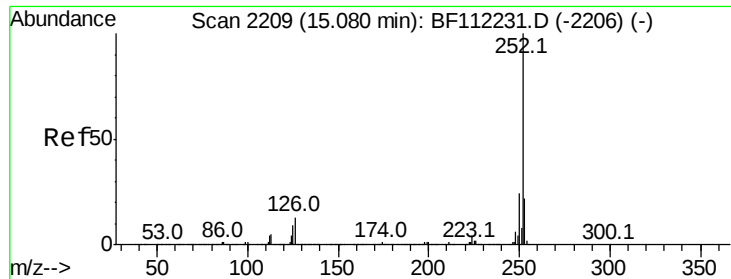
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#88
Benzo(b)fluoranthene
Concen: 38.478 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.5	8.7	13.1





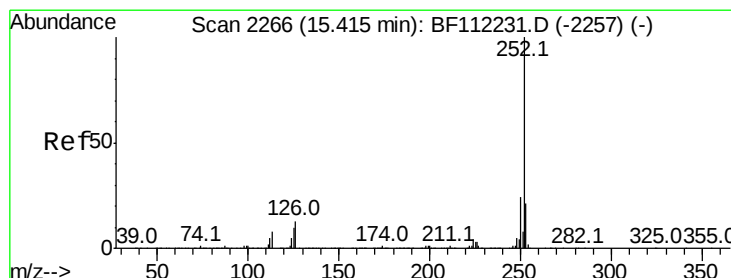
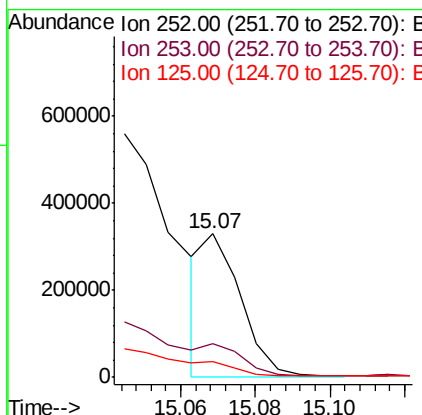
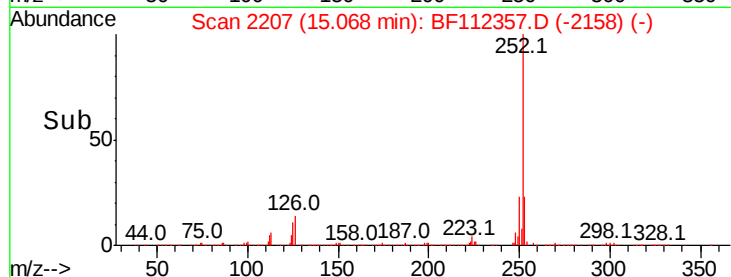
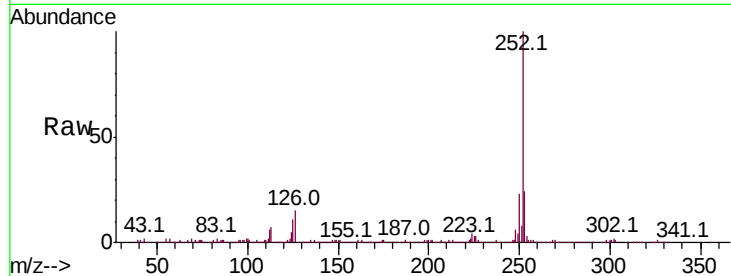
#89
Benzo(k)fluoranthene
Concen: 11.168 ng/mL
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.1	9.1	13.7

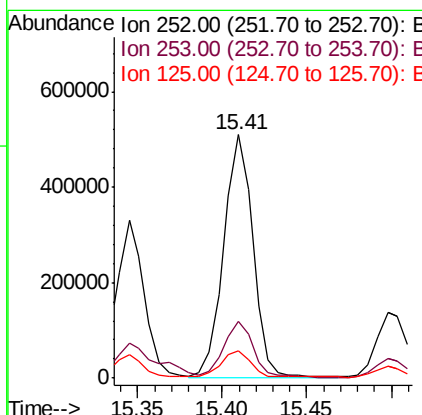
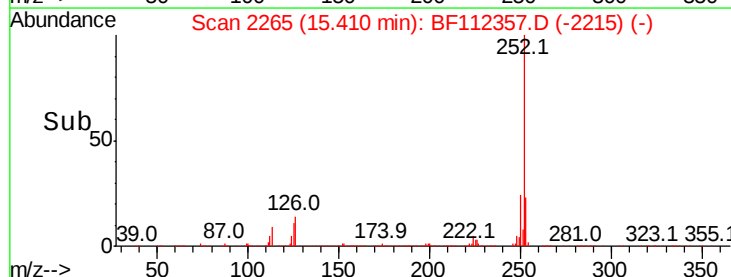
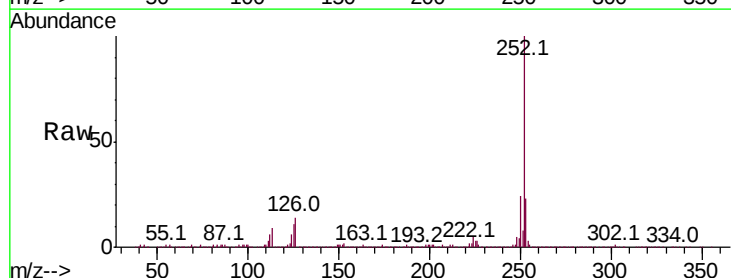
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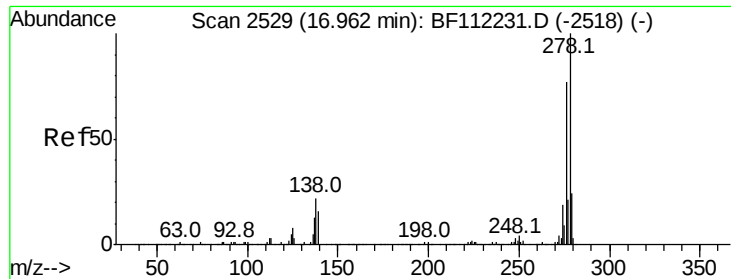
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#90
Benzo(a)pyrene
Concen: 30.723 ng/mL
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.2	9.0	13.4





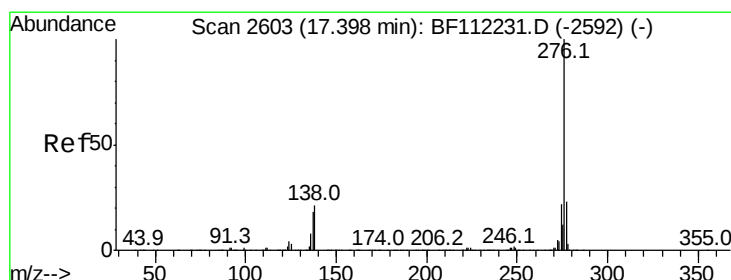
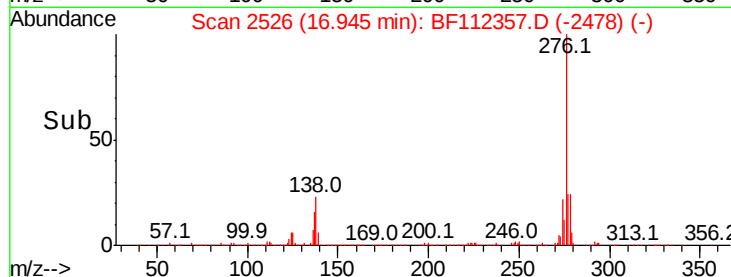
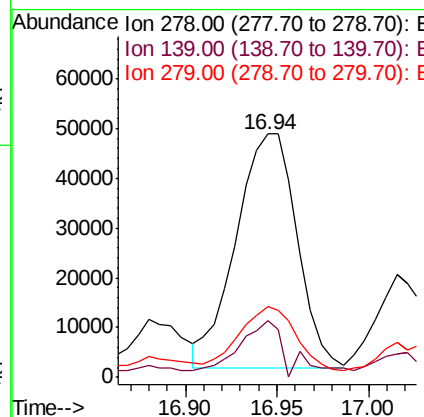
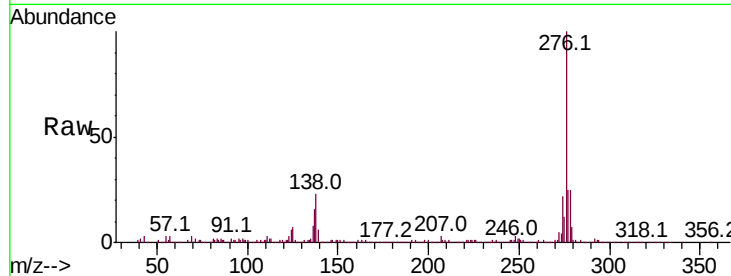
#91
Dibenzo(a,h)anthracene
Concen: 6.867 ng m
RT: 16.94 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.1	13.7	20.5#
279	28.9	19.0	28.6#

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#92
Benzo(g,h,i)perylene
Concen: 20.636 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	24.0	19.1	28.7

