

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
 Data File : BF112355.D
 Acq On : 1 Feb 2019 16:57
 Operator : JU/SJ
 Sample : K1299-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0039-AMND-COMP-2

Manual Integrations
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Quant Time: Feb 01 23:39:14 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	6.84	152	184767	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	704070	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	336602	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	627857	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	386468	20.00	ng	0.00
87) Perylene-d12	15.47	264	413512	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	947834	108.96	ng	0.00
7) Phenol-d6	6.49	99	1572879	130.13	ng	0.00
23) Nitrobenzene-d5	7.40	82	1037348	84.89	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	319390	81.52	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1657058	69.63	ng	-0.01
79) Terphenyl-d14	12.95	244	1502811	73.24	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.50	94	108350	8.170	ng	82
31) Naphthalene	8.14	128	134491	4.085	ng	96
37) 2-Methylnaphthalene	8.83	142	54818	2.432	ng	99
50) Dimethylphthalate	9.58	163	244988	9.368	ng	# 99
52) Acenaphthene	9.90	154	51448	2.575	ng	94
58) Fluorene	10.42	166	54183	2.371	ng	98
71) Phenanthrene	11.38	178	383263	11.742	ng	98
72) Anthracene	11.43	178	107795	3.315	ng	98
75) Fluoranthene	12.57	202	384717	10.989	ng	99
78) Pyrene	12.80	202	392978	14.687	ng	97
81) Benzo(a)anthracene	13.99	228	173562	7.640	ng	94
83) Chrysene	14.03	228	143889	6.635	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	42520	2.314	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	93514	5.442	ng	# 91
88) Benzo(b)fluoranthene	15.04	252	184441m	7.458	ng	
89) Benzo(k)fluoranthene	15.07	252	52484m	2.216	ng	
90) Benzo(a)pyrene	15.41	252	176797	7.945	ng	99
92) Benzo(a,h,i)perylene	17.39	276	91583	5.413	ng	98

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

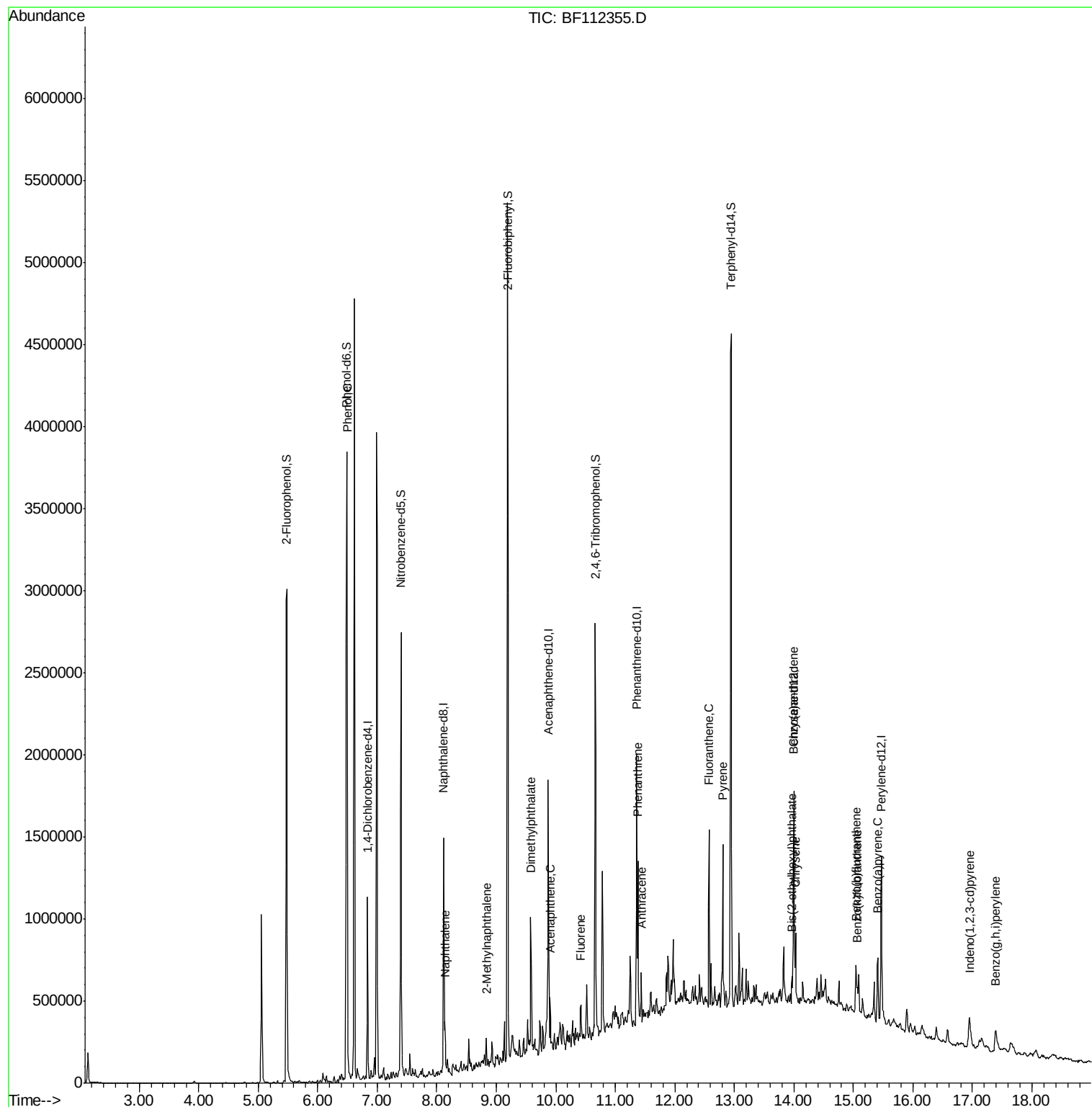
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
Data File : BF112355.D
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ALS Vial : 9 Sample Multiplier: 1

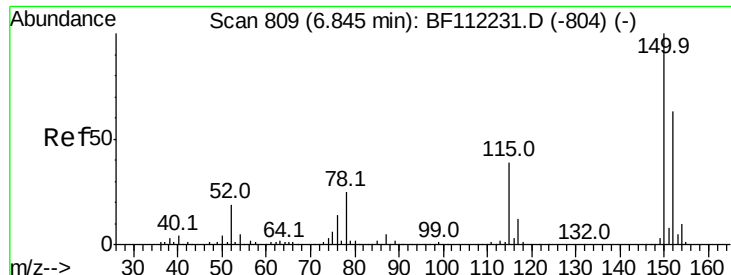
Instrument :
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0039-AMND-COMP-2

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Quant Time: Feb 01 23:39:14 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

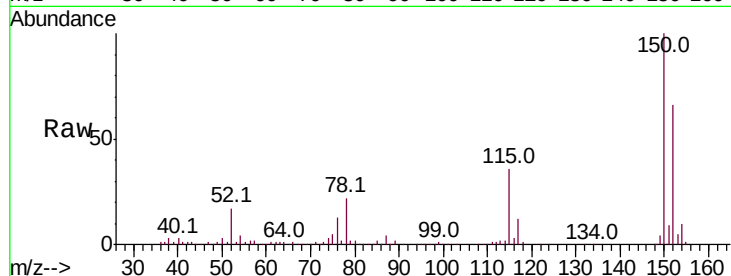
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	127.4	191.0
115	54.6	45.5	68.3

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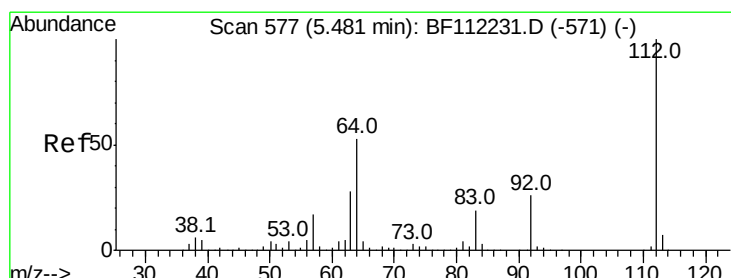
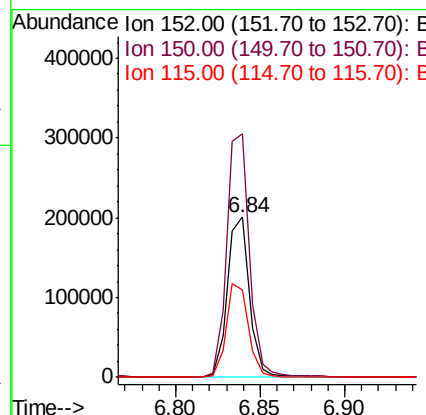
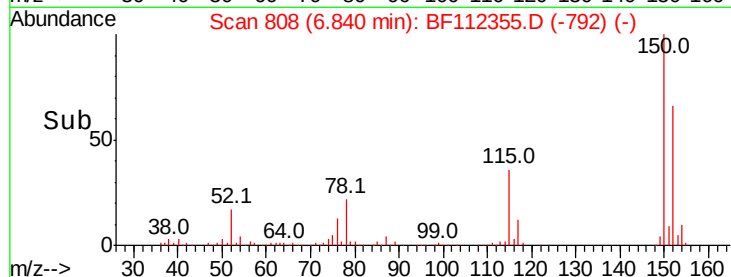


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

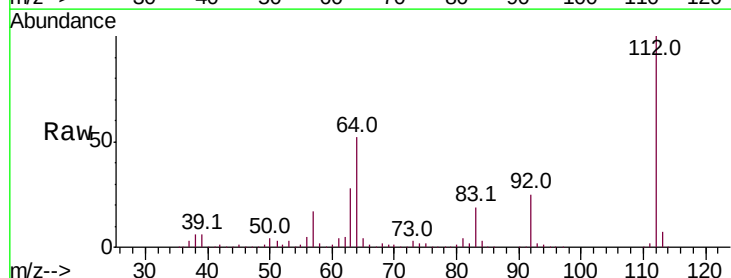
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.962 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	45.7	68.5
63	27.9	23.6	35.4

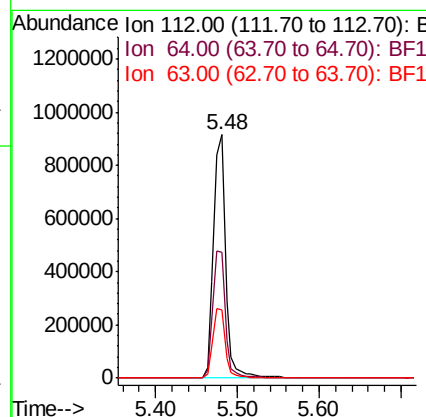
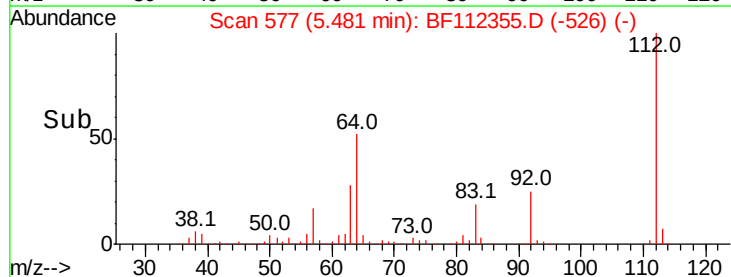


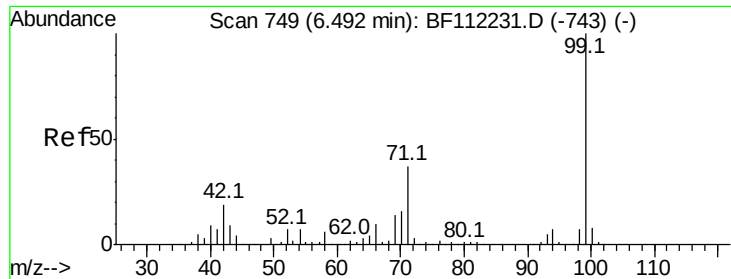
Abundance

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: 130.126 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112355.D

Acq: 1 Feb 2019 16:57

Instrument :

BNA_F

ClientSampleId :

0039-AMND-COMP-2

Tot Ion: 99 Resp: 1572879

Ion Ratio Lower Upper

99 100

42 19.7 15.1 22.7

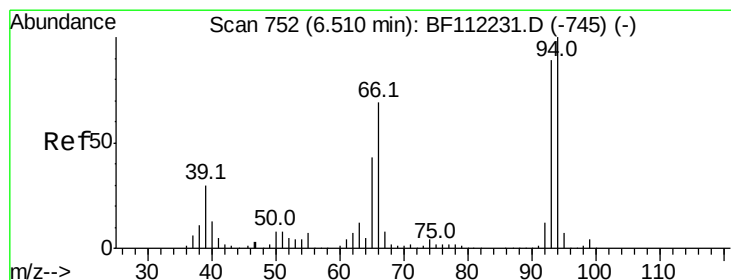
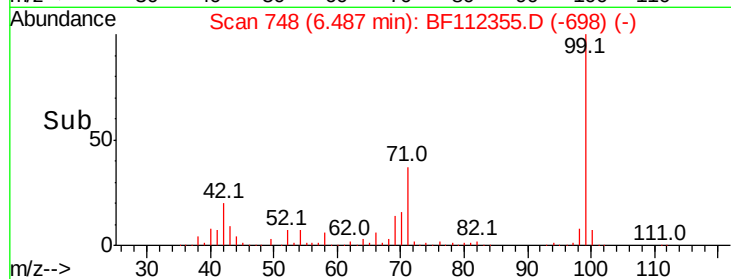
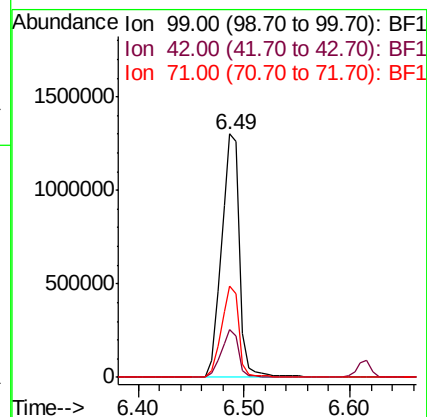
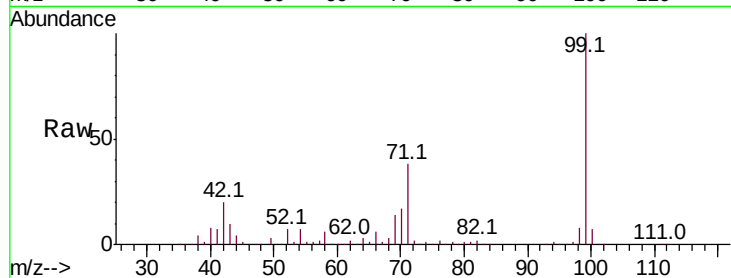
71 37.5 26.9 40.3

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#10

Phenol

Concen: 8.170 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112355.D

Acq: 1 Feb 2019 16:57

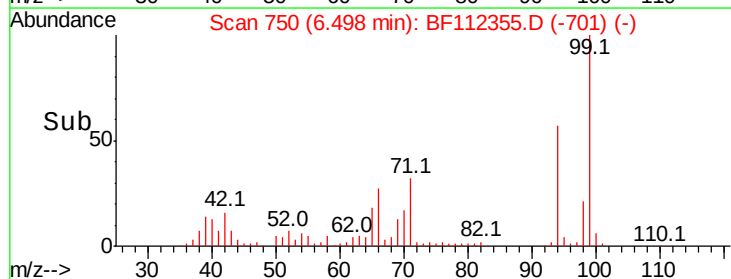
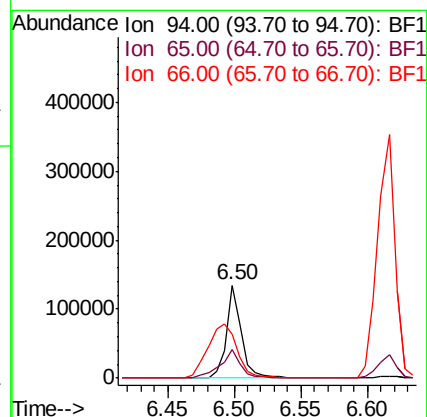
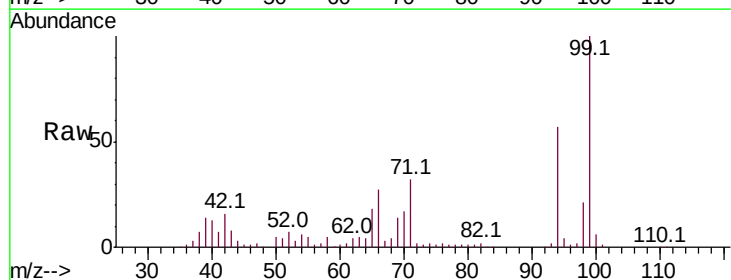
Tgt Ion: 94 Resp: 108350

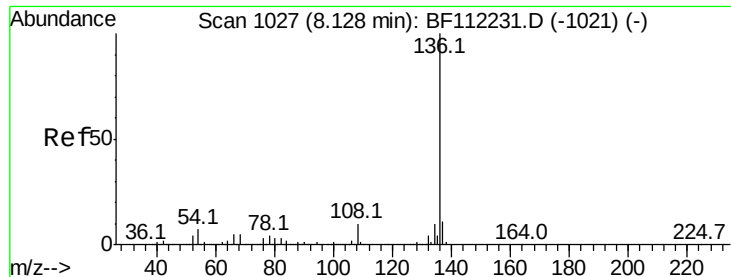
Ion Ratio Lower Upper

94 100

65 30.8 20.3 60.3

66 47.7 42.4 82.4





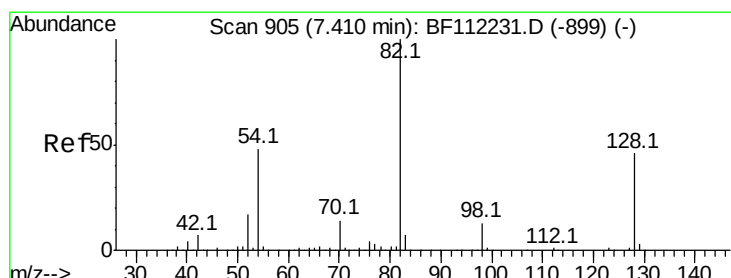
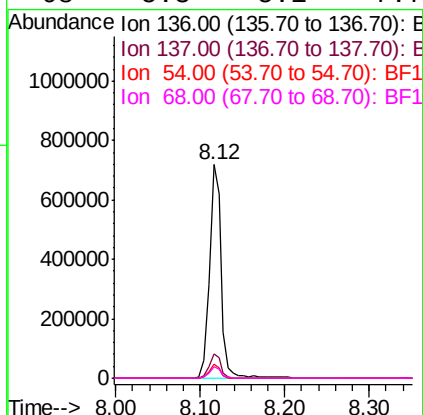
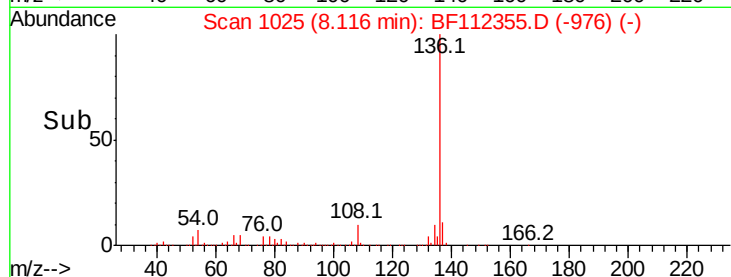
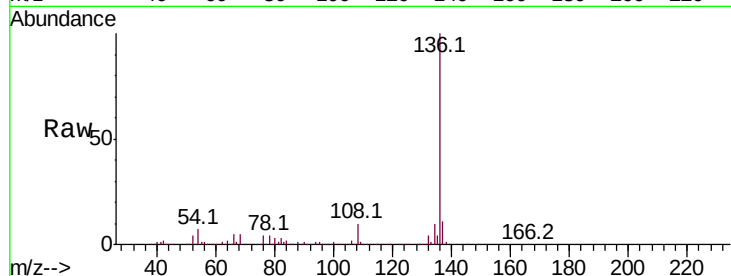
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.1	13.7	
54	6.9	5.9	8.9	
68	5.3	5.1	7.7	

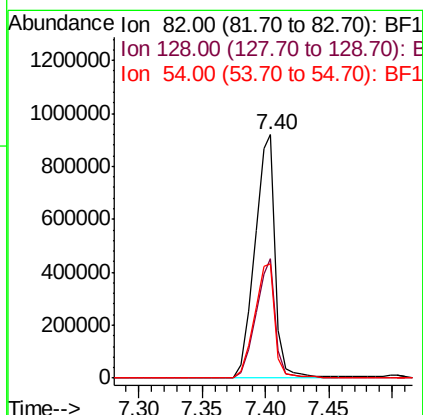
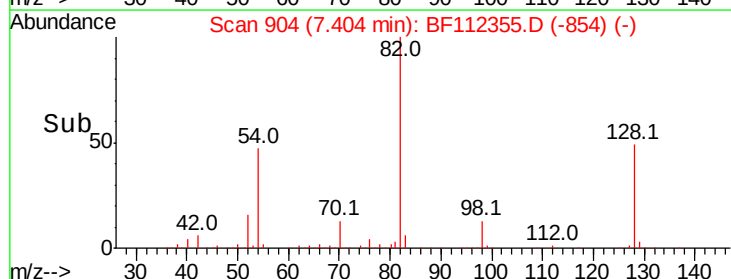
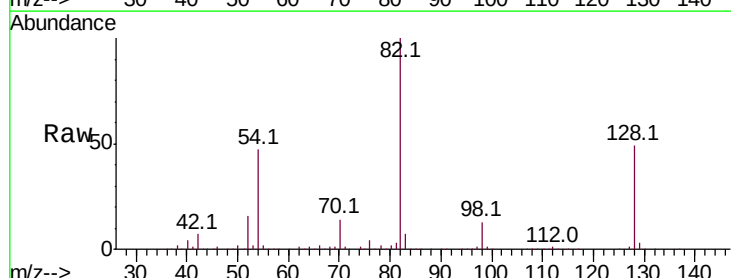
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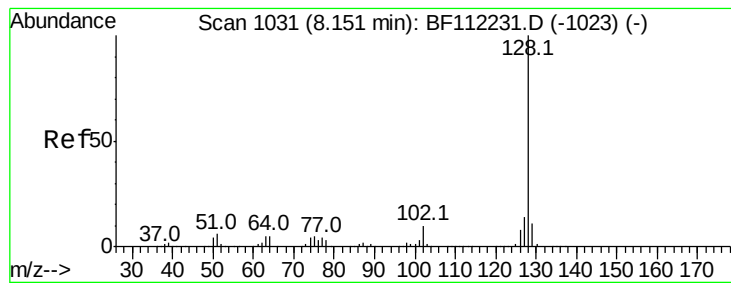
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#23
Nitrobenzene-d5
Concen: 84.895 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.1	37.8	56.8	
54	47.1	39.7	59.5	





#31

Naphthalene

Concen: 4.085 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112355.D

Acq: 1 Feb 2019 16:57

Instrument :

BNA_F

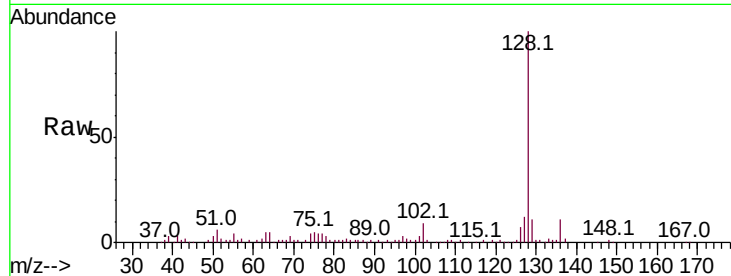
ClientSampleId :

0039-AMND-COMP-2

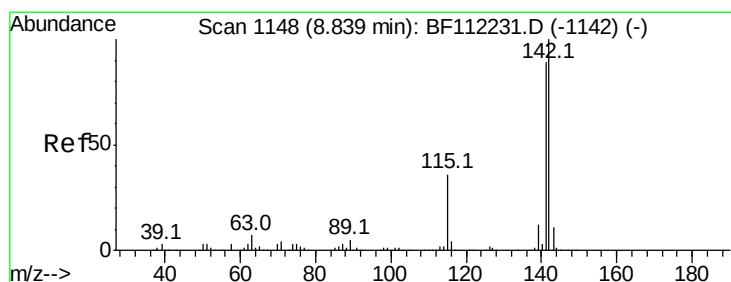
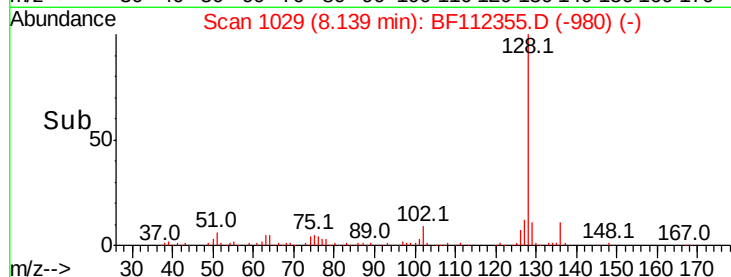
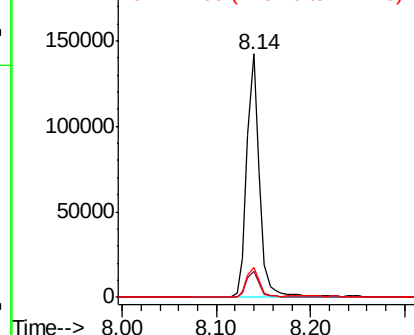
Tot Ion:	128	Resp:	134491
Ion Ratio	Lower	Upper	
128	100		
129	10.6	9.6	14.4
127	12.1	11.1	16.7

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.432 ng

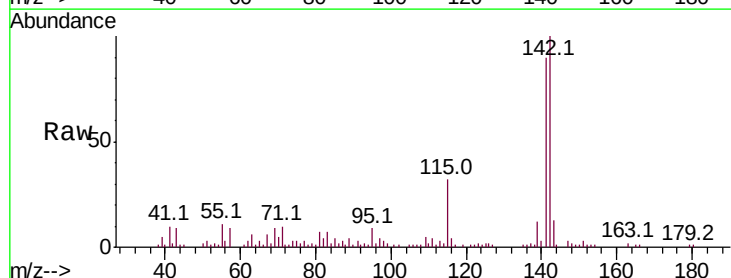
RT: 8.83 min Scan# 1147

Delta R.T. -0.01 min

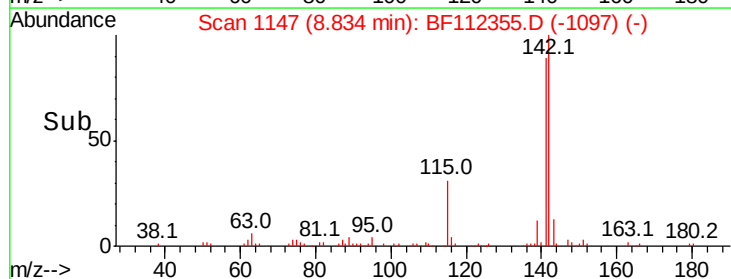
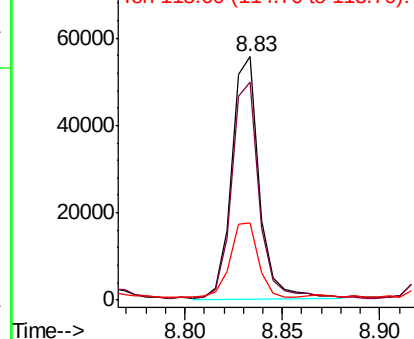
Lab File: BF112355.D

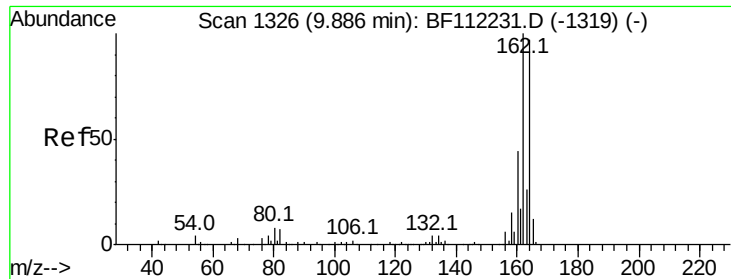
Acq: 1 Feb 2019 16:57

Tgt Ion:	142	Resp:	54818
Ion Ratio	Lower	Upper	
142	100		
141	89.5	70.9	106.3
115	31.8	24.9	37.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





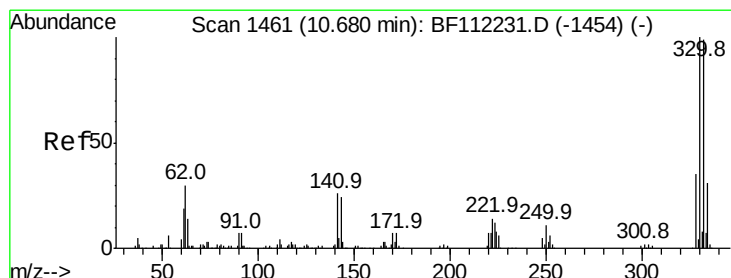
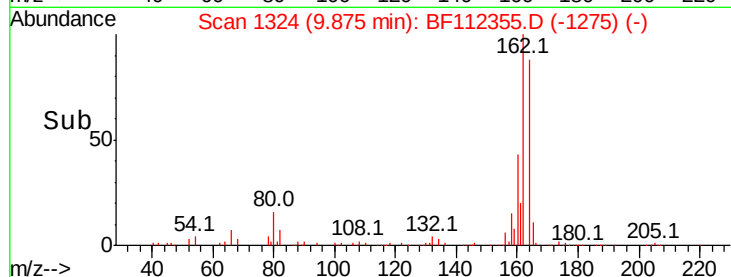
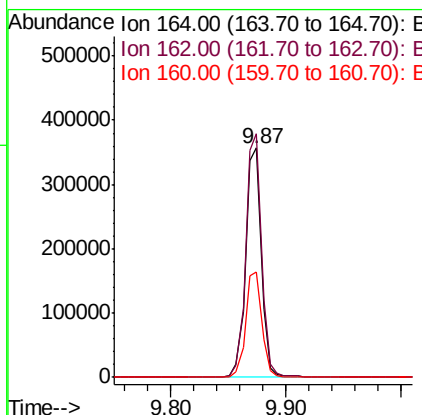
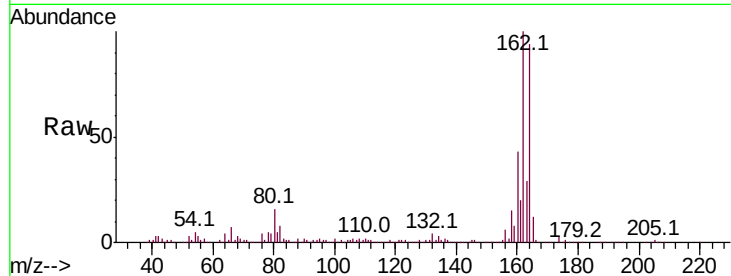
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112355.D
 Acq: 1 Feb 2019 16:57

Instrument :
 BNA_F
 ClientSampleId :
 0039-AMND-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.3	82.2	123.4	
160	46.1	36.2	54.4	

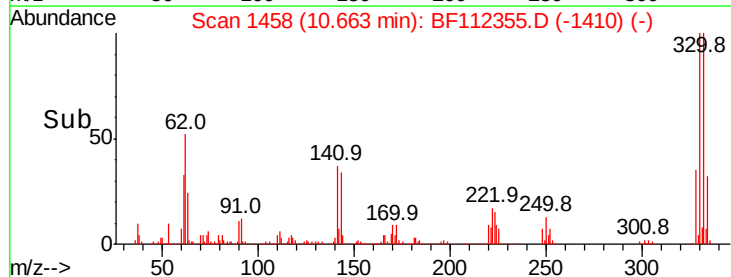
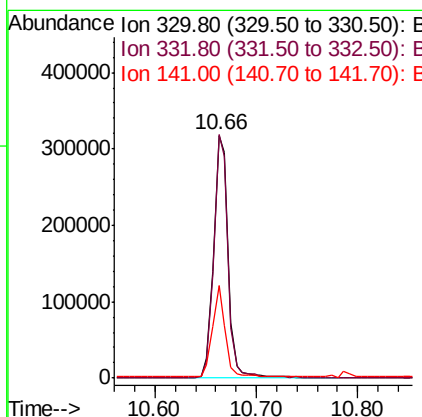
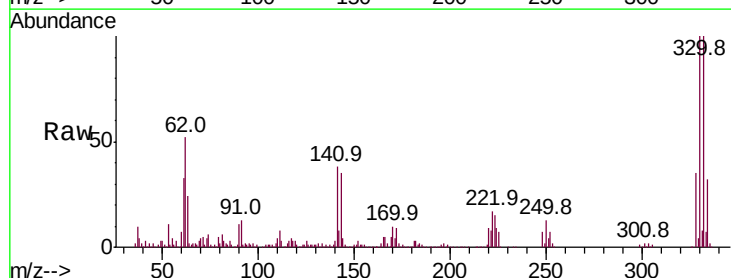
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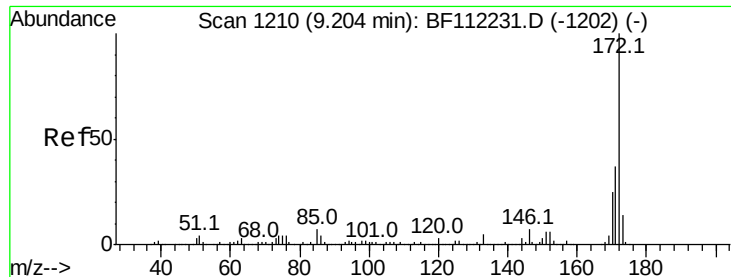
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#42
 2,4,6-Tribromophenol
 Concen: 81.520 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112355.D
 Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	76.6	114.8	
141	32.8	24.3	36.5	





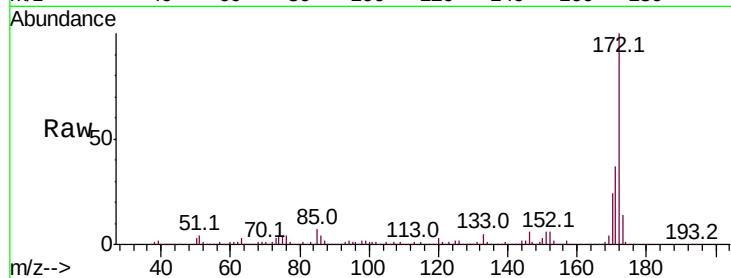
#45
2-Fluorobiphenyl
Concen: 69.626 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

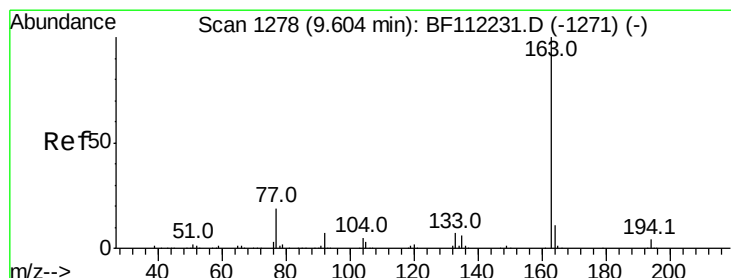
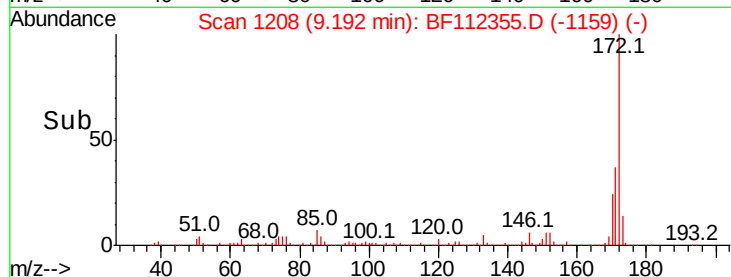
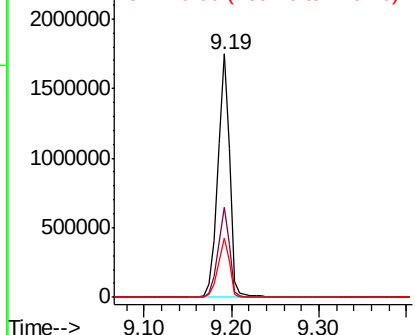
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.5	45.7
170	24.5	20.2	30.4

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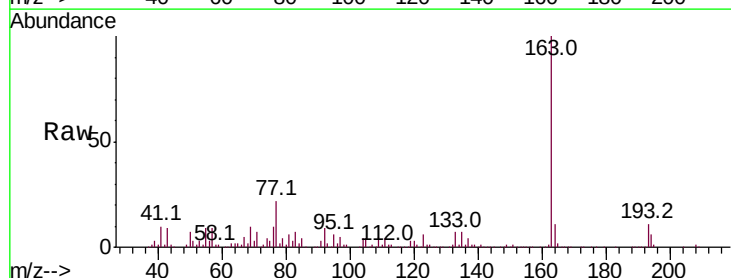


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

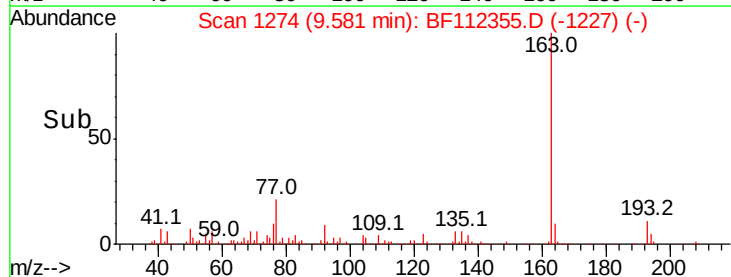
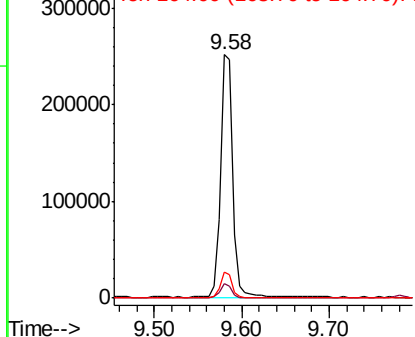


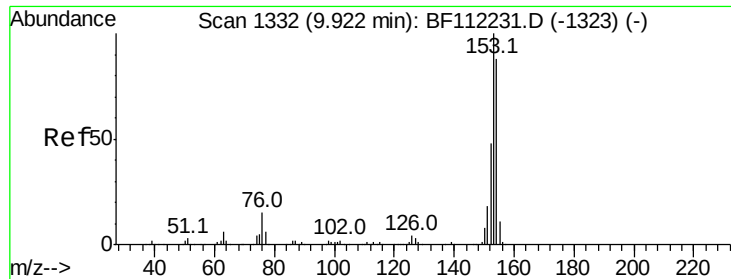
#50
Dimethylphthalate
Concen: 9.368 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.3	4.9#
164	10.6	8.5	12.7



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: 2.575 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF112355.D

Acq: 1 Feb 2019 16:57

Instrument :

BNA_F

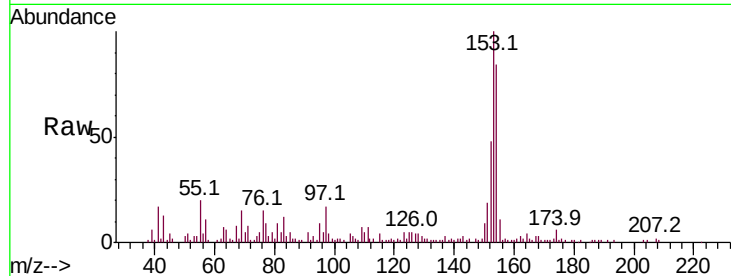
ClientSampleId :

0039-AMND-COMP-2

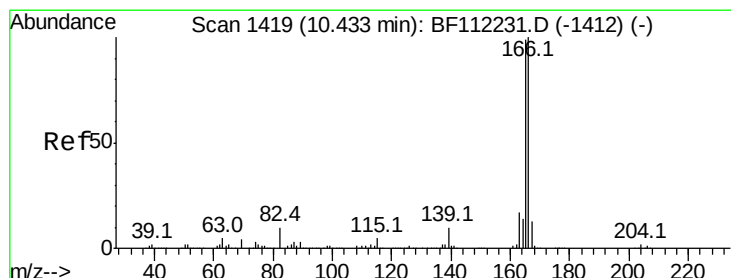
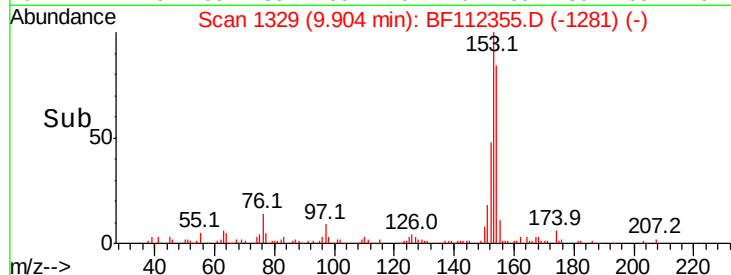
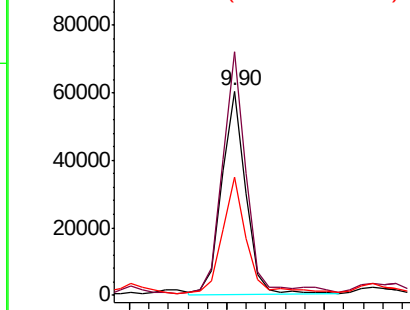
Tot Ion:	154	Resp:	51448
Ion Ratio	Lower	Upper	
154	100		
153	119.0	89.8	134.6
152	57.7	43.5	65.3

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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



#58

Fluorene

Concen: 2.371 ng

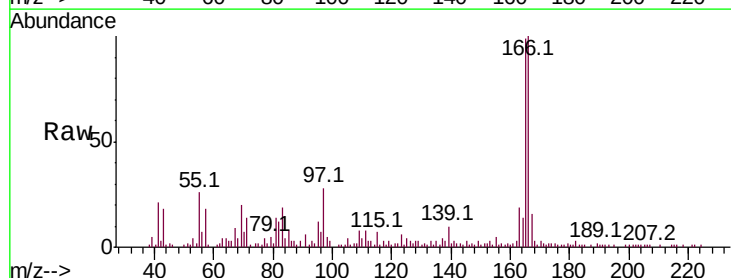
RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

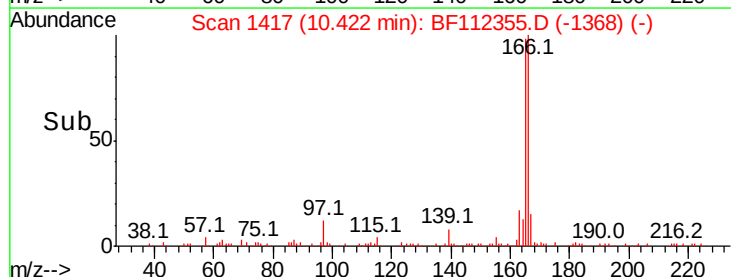
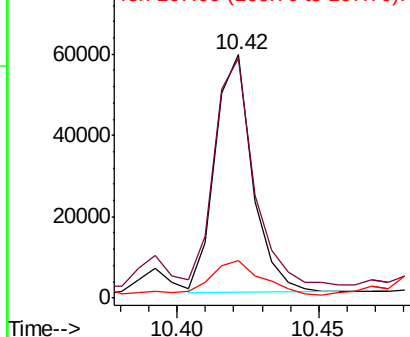
Lab File: BF112355.D

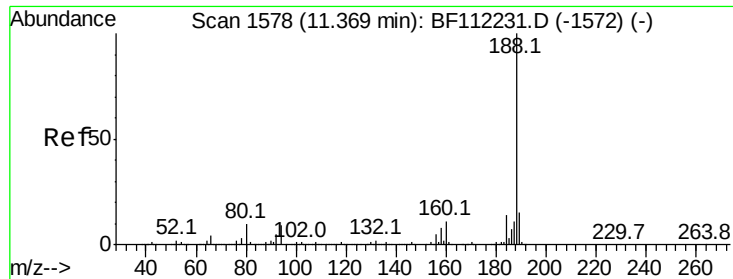
Acq: 1 Feb 2019 16:57

Tgt Ion:	166	Resp:	54183
Ion Ratio	Lower	Upper	
166	100		
165	98.5	77.1	115.7
167	15.6	11.3	16.9



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





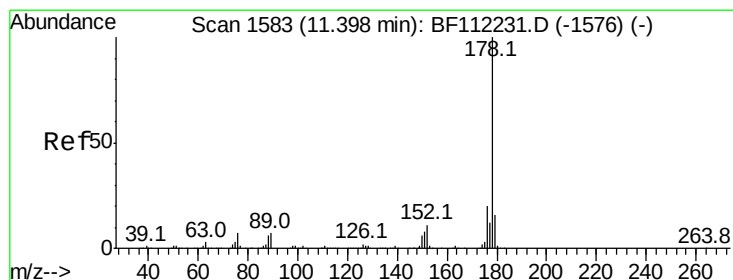
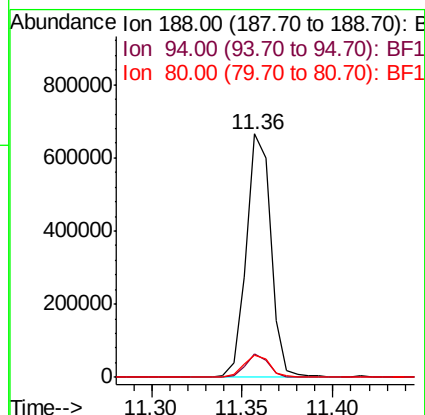
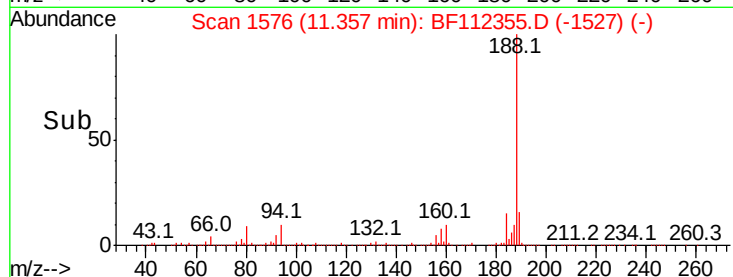
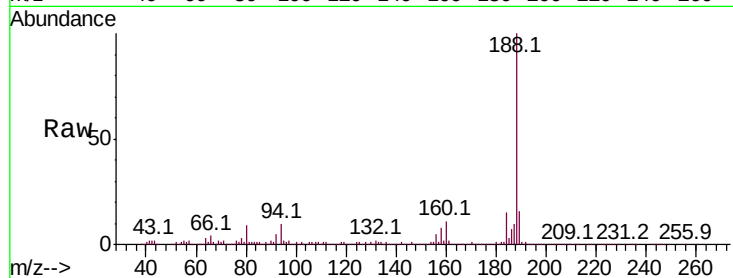
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	627857		
94	9.8	8.2	12.2	
80	9.3	8.9	13.3	

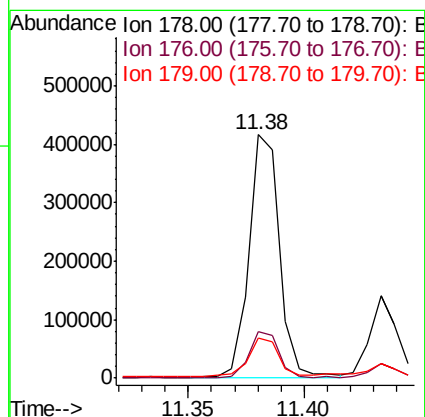
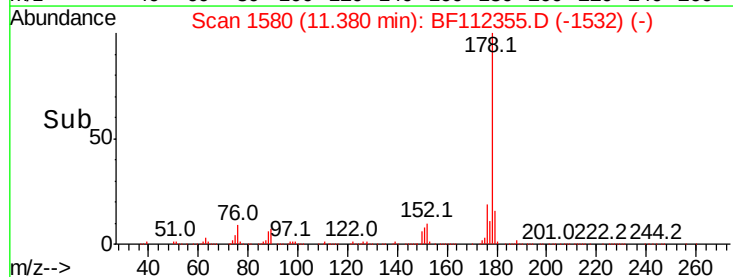
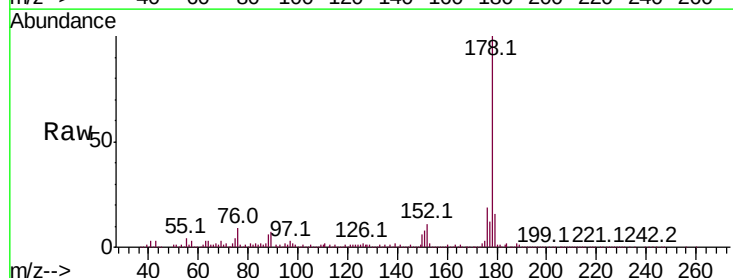
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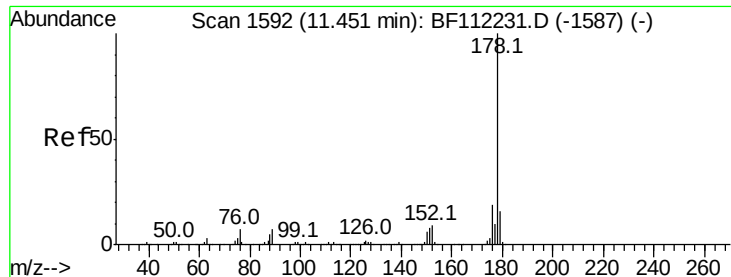
apatel
2/4/2019 12:43:08 PM



#71
Phenanthrene
Concen: 11.742 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	383263		
176	19.1	16.3	24.5	
179	16.5	13.0	19.4	





#72

Anthracene

Concen: 3.315 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF112355.D

Acq: 1 Feb 2019 16:57

Instrument :

BNA_F

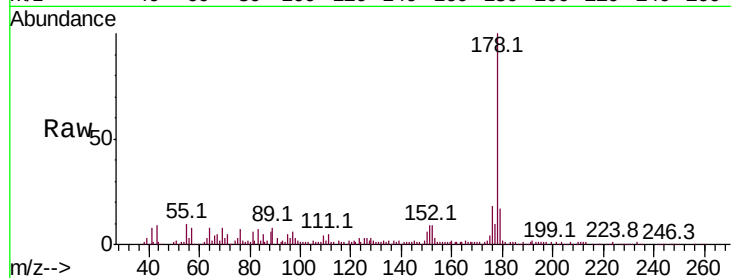
ClientSampleId :

0039-AMND-COMP-2

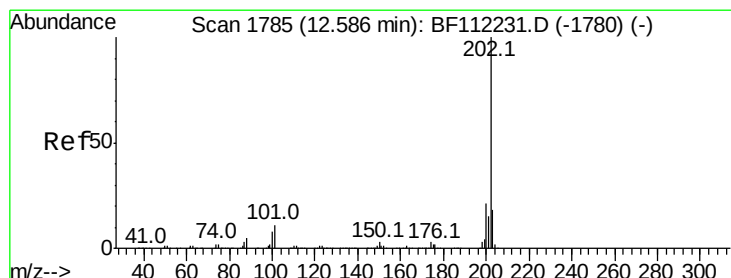
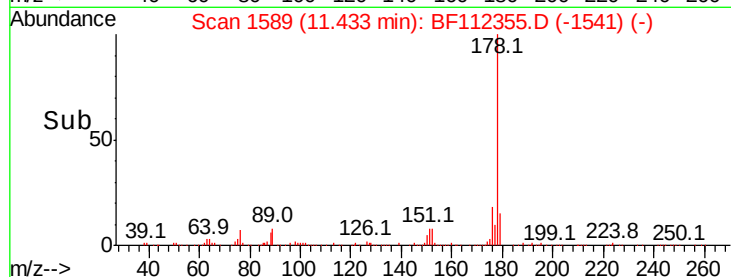
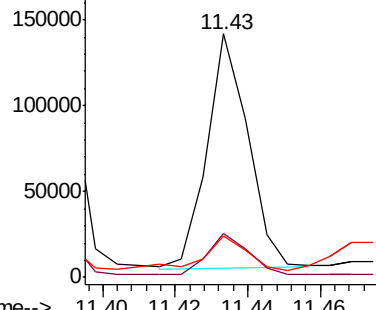
Tot Ion:	178	Resp:	107795
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.5	23.3
179	16.7	12.8	19.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 10.989 ng

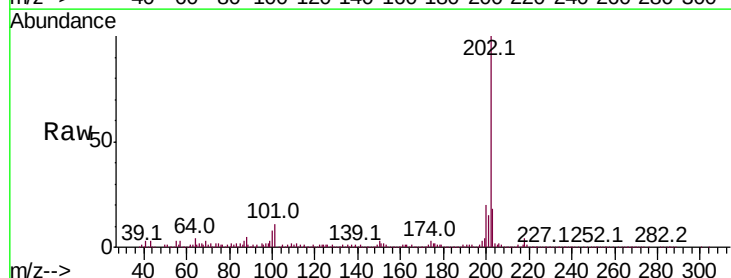
RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

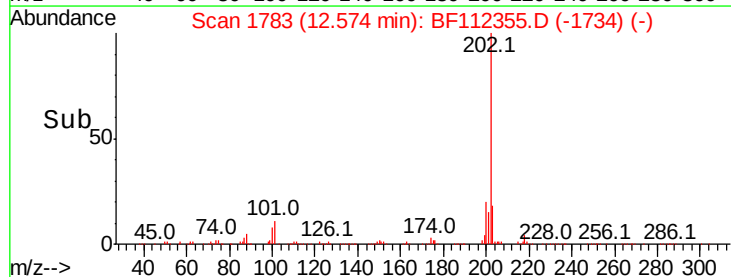
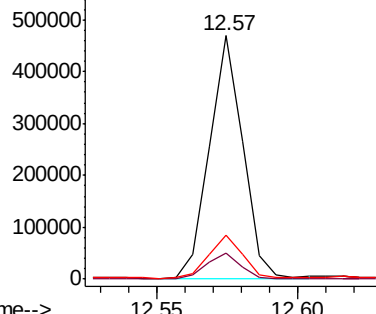
Lab File: BF112355.D

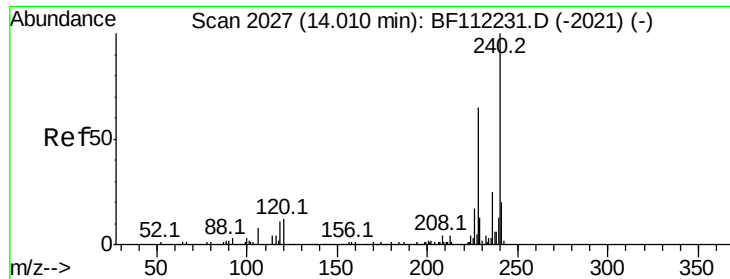
Acq: 1 Feb 2019 16:57

Tgt Ion:	202	Resp:	384717
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	31.8
203	18.0	0.0	38.4



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





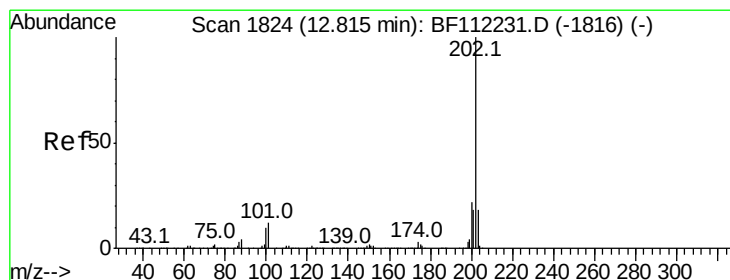
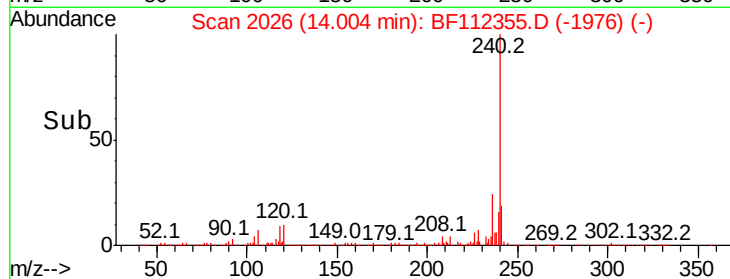
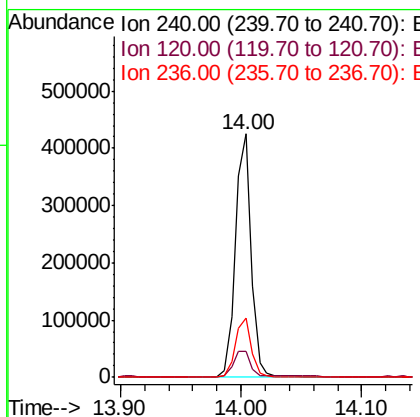
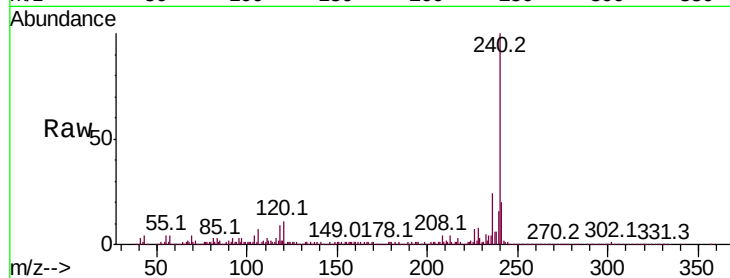
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.0	13.6
236	24.4	20.7	31.1

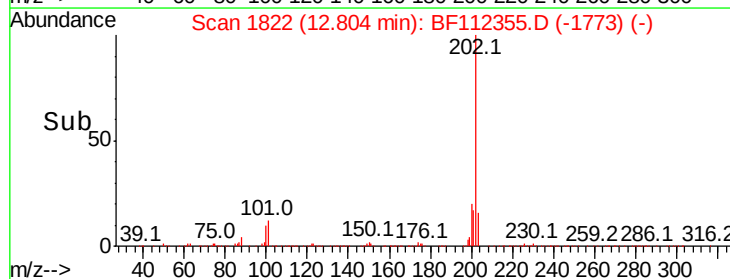
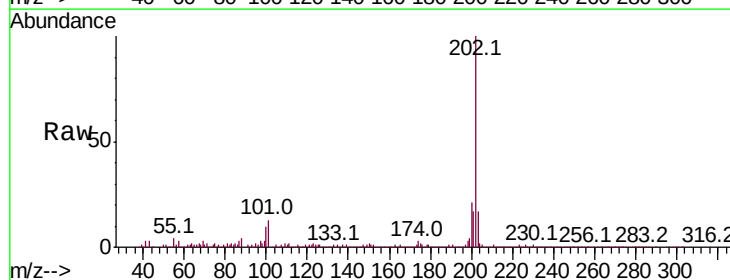
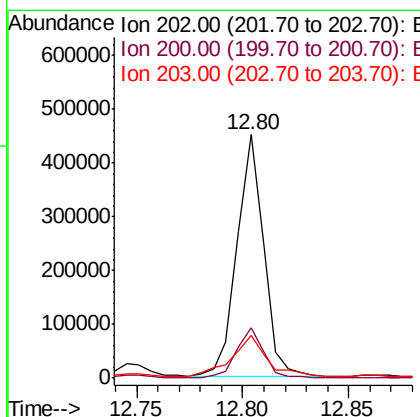
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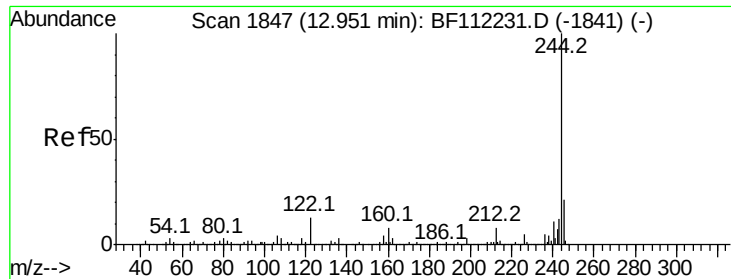
apatel
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#78
Pyrene
Concen: 14.687 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.7	26.5
203	17.3	14.6	22.0





#79

Terphenyl-d14

Concen: 73.239 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112355.D

Acq: 1 Feb 2019 16:57

Instrument :

BNA_F

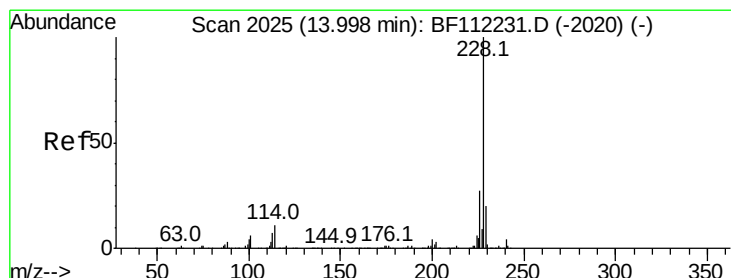
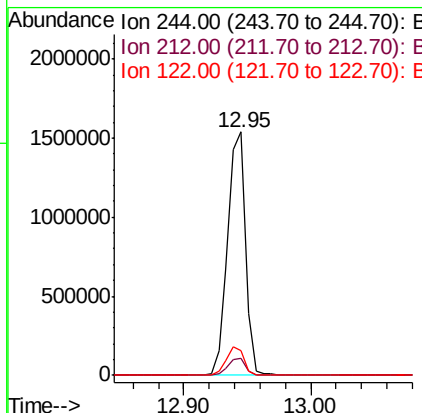
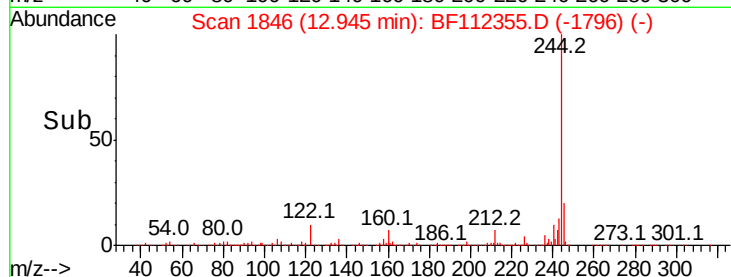
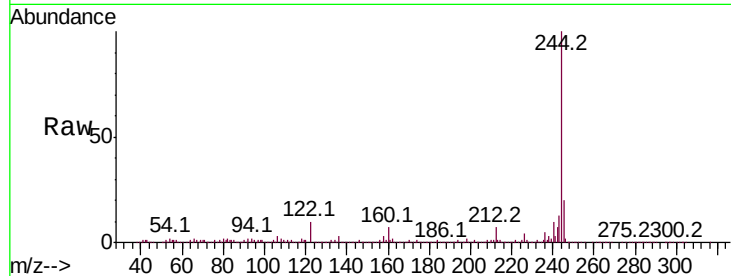
ClientSampleId :

0039-AMND-COMP-2

Tot Ion:	244	Resp:	1502811
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.4	9.8	14.6

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#81

Benzo(a)anthracene

Concen: 7.640 ng

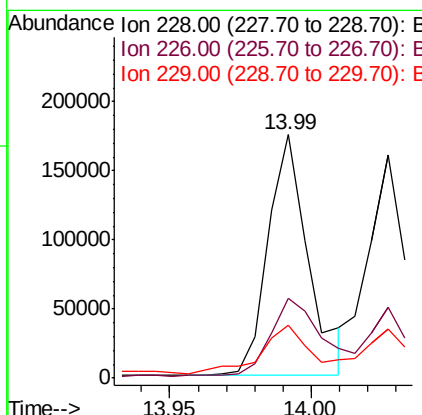
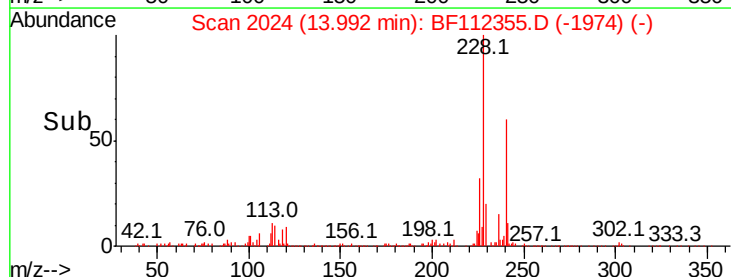
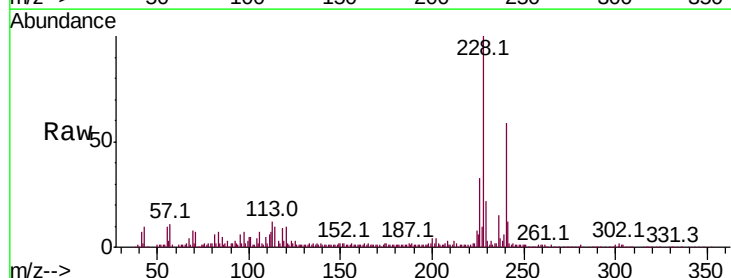
RT: 13.99 min Scan# 2024

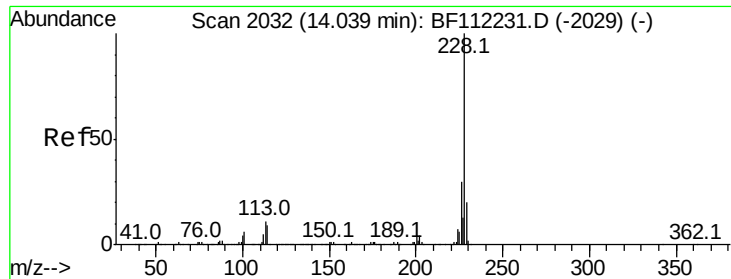
Delta R.T. -0.01 min

Lab File: BF112355.D

Acq: 1 Feb 2019 16:57

Tgt Ion:	228	Resp:	173562
Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	34.0
229	21.9	16.5	24.7





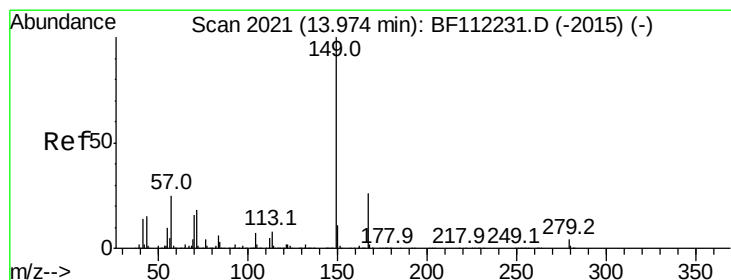
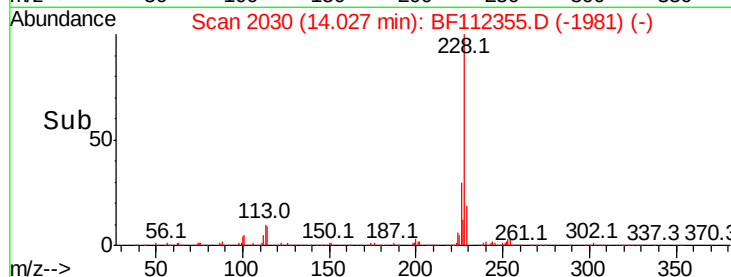
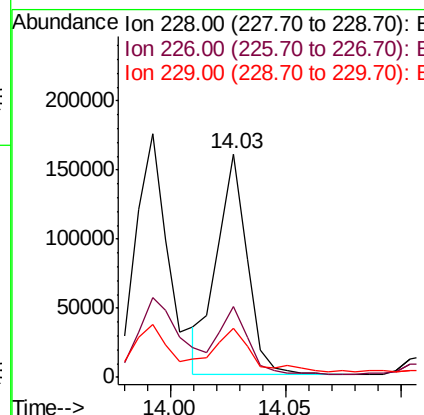
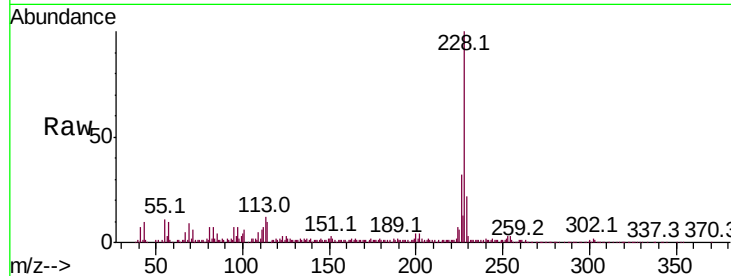
#83
Chrysene
Concen: 6.635 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.2	16.6	24.8

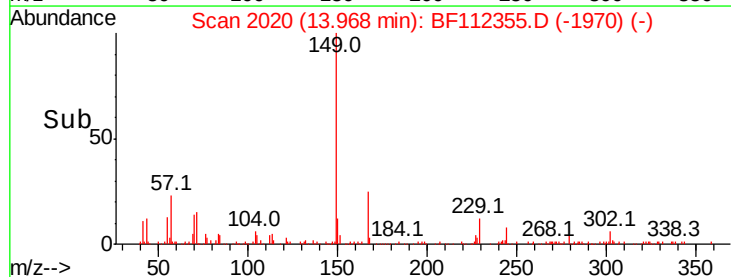
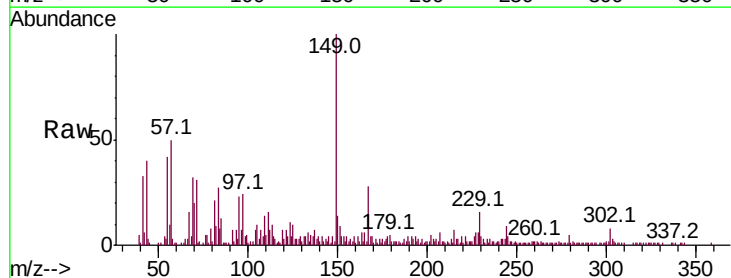
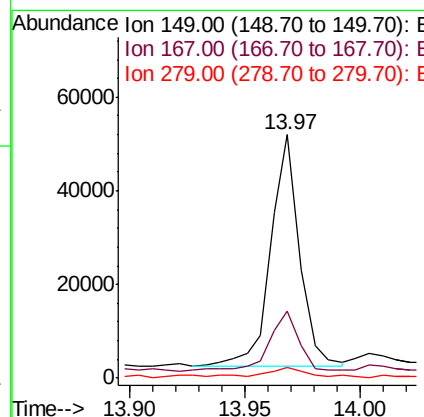
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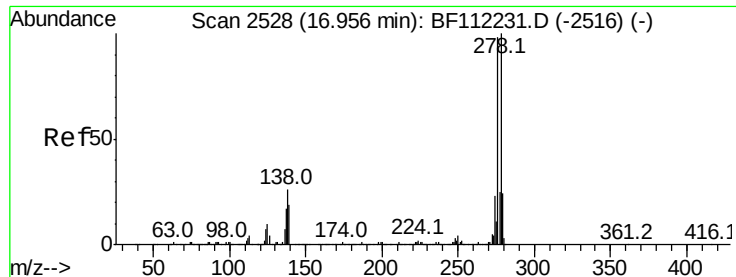
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.314 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	4.6	3.8	5.6





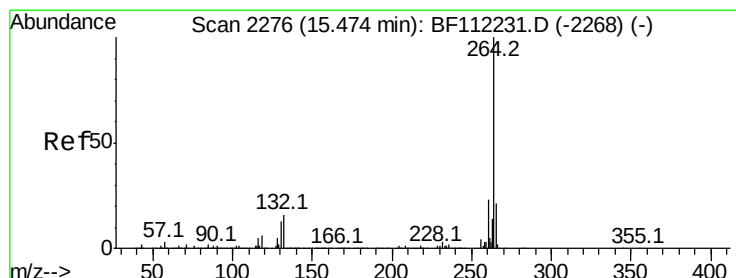
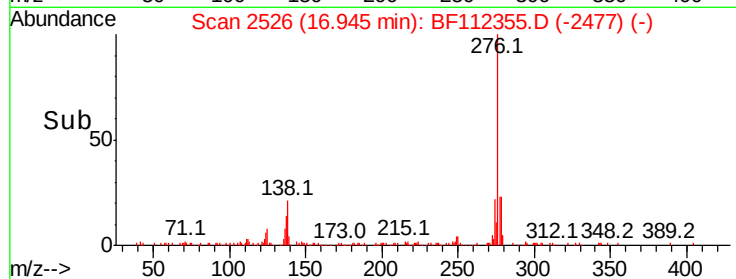
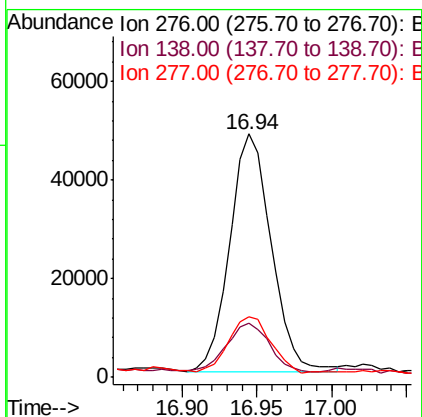
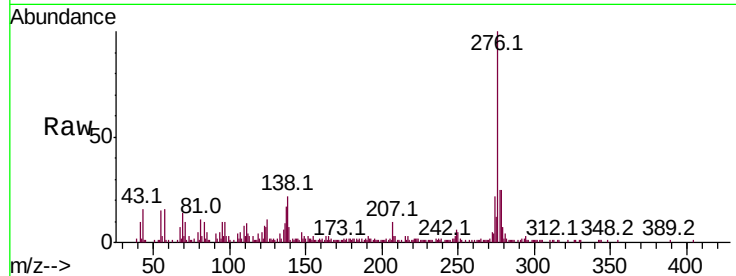
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.442 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	22.6	34.0#
277	23.9	20.3	30.5

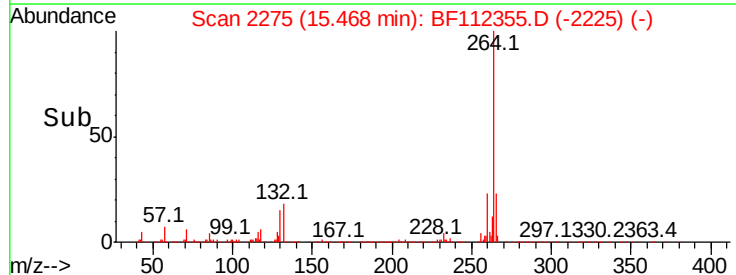
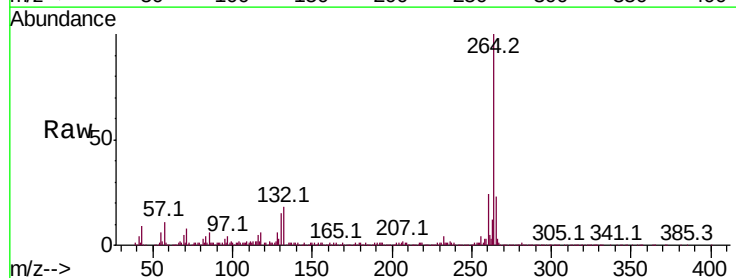
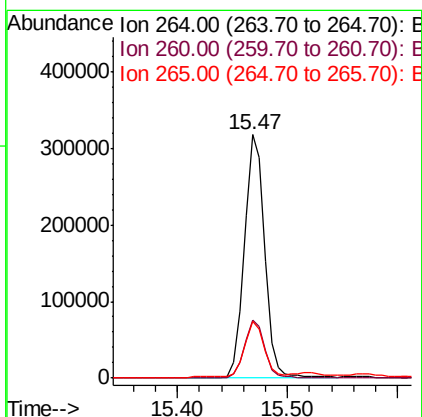
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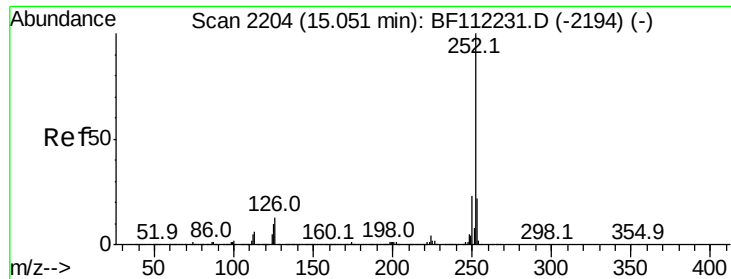
apatel
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	23.2	17.0	25.4





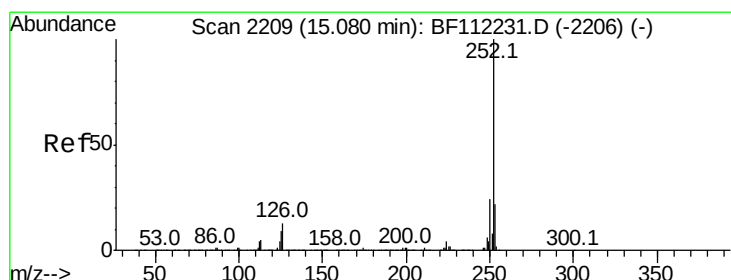
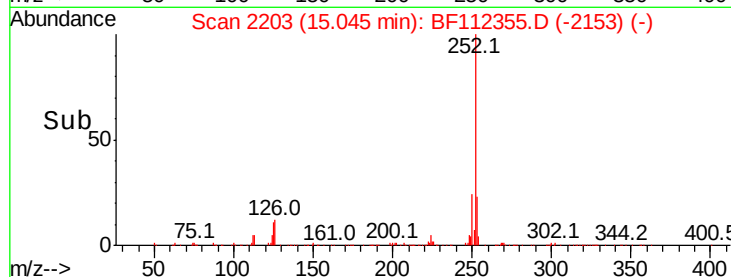
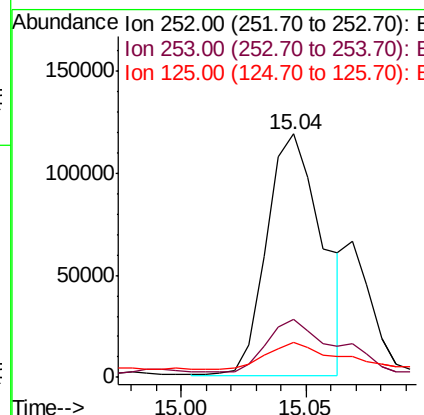
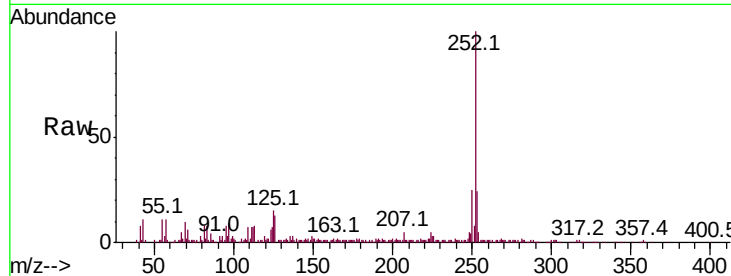
#88
Benzo(b)fluoranthene
Concen: 7.458 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	14.6	8.7	13.1

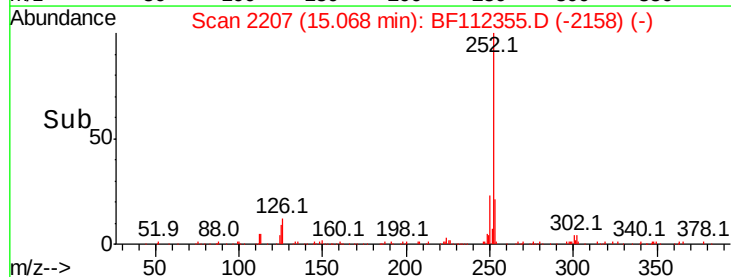
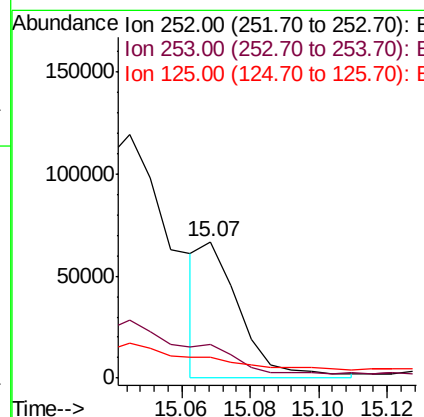
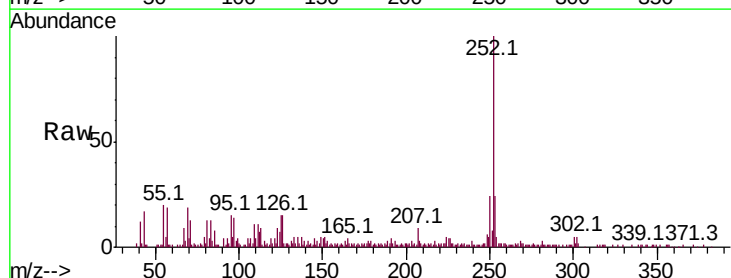
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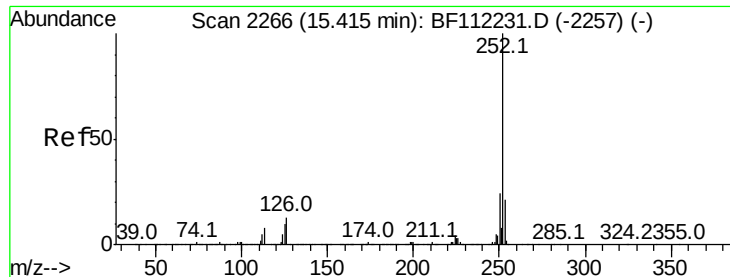
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#89
Benzo(k)fluoranthene
Concen: 2.216 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	15.3	9.1	13.7





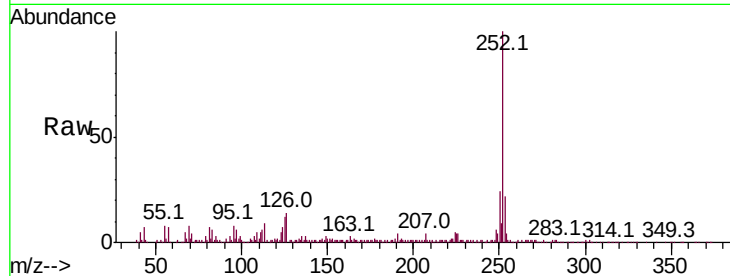
#90
Benzo(a)pyrene
Concen: 7.945 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Instrument :
BNA_F
ClientSampleId :
0039-AMND-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	176797		
253	21.6		17.5	26.3
125	12.4		9.0	13.4

Manual Integrations
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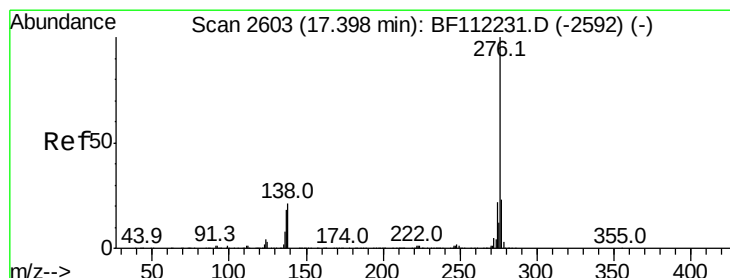
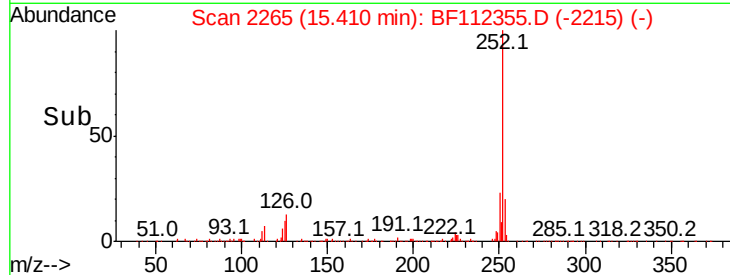
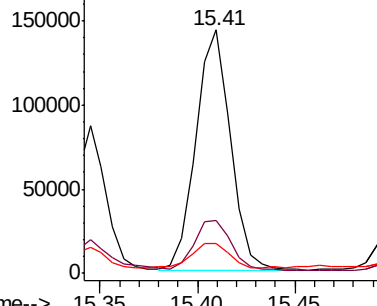


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.413 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.01 min
Lab File: BF112355.D
Acq: 1 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	91583		
277	25.0		19.4	29.0
138	22.4		19.1	28.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

