

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011420\
 Data File : BN009367.D
 Acq On : 13 Jan 2020 16:54
 Operator : JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 13 17:35:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 13 16:28:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1440	0.40	ng	0.00
7) Naphthalene-d8	10.23	136	4982	0.40	ng	0.00
13) Acenaphthene-d10	14.10	164	3159	0.40	ng	0.00
19) Phenanthrene-d10	16.86	188	6815	0.40	ng	0.00
27) Chrysene-d12	21.06	240	6425	0.40	ng	-0.01
34) Perylene-d12	23.19	264	6001	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	5549	1.52	ng	0.00
5) Phenol-d6	6.67	99	6730	1.33	ng	0.00
8) Nitrobenzene-d5	8.62	82	7029	1.66	ng	-0.01
11) 2-Methylnaphthalene-d10	11.82	152	16322	1.92	ng	0.00
14) 2,4,6-Tribromophenol	15.61	330	1991	1.31	ng	-0.02
15) 2-Fluorobiphenyl	12.72	172	20162	1.68	ng	0.00
25) Fluoranthene-d10	18.89	212	38788	1.88	ng	0.00
29) Terphenyl-d14	19.51	244	25312	1.73	ng	0.00

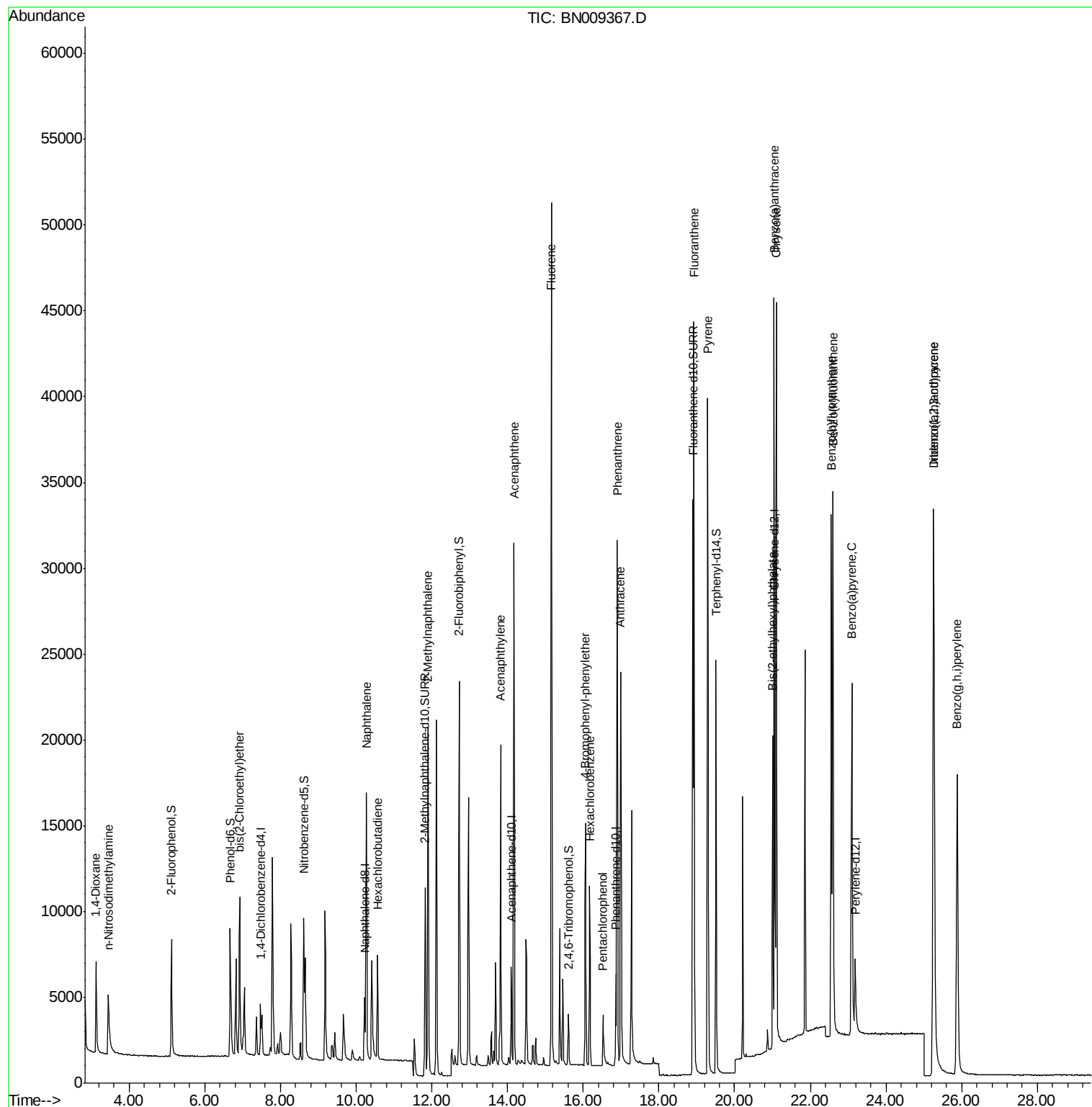
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.14	88	2601	1.925	ng	98
3) n-Nitrosodimethylamine	3.45	42	4261	2.285	ng	# 92
6) bis(2-Chloroethyl)ether	6.92	93	6848	1.436	ng	91
9) Naphthalene	10.28	128	22564	1.660	ng	96
10) Hexachlorobutadiene	10.57	225	4769	1.833	ng	# 98
12) 2-Methylnaphthalene	11.90	142	15834	1.564	ng	99
16) Acenaphthylene	13.82	152	22932	1.587	ng	100
17) Acenaphthene	14.17	154	15896	1.657	ng	98
18) Fluorene	15.16	166	20827	1.614	ng	99
20) 4-Bromophenyl-phenylether	16.06	248	6916	1.697	ng	96
21) Hexachlorobenzene	16.17	284	6994	1.506	ng	99
22) Pentachlorophenol	16.53	266	2109	1.259	ng	86
23) Phenanthrene	16.90	178	34093	1.589	ng	100
24) Anthracene	16.99	178	29320	1.552	ng	99
26) Fluoranthene	18.92	202	40207	1.575	ng	100
28) Pyrene	19.29	202	39530	1.756	ng	100
30) Benzo(a)anthracene	21.05	228	37367	1.640	ng	97
31) Chrysene	21.10	228	38140	1.615	ng	98
32) Bis(2-ethylhexyl)phthalate	21.00	149	14737	1.382	ng	99
33) Indeno(1,2,3-cd)pyrene	25.25	276	42035	1.681	ng	97
35) Benzo(b)fluoranthene	22.56	252	37765	1.758	ng	# 90
36) Benzo(k)fluoranthene	22.60	252	40058	1.852	ng	# 90
37) Benzo(a)pyrene	23.09	252	32852	1.703	ng	# 84
38) Dibenzo(a,h)anthracene	25.27	278	34163	1.888	ng	91
39) Benzo(g,h,i)perylene	25.88	276	36075	2.020	ng	97

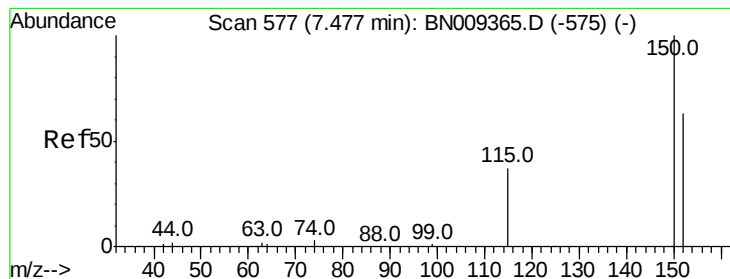
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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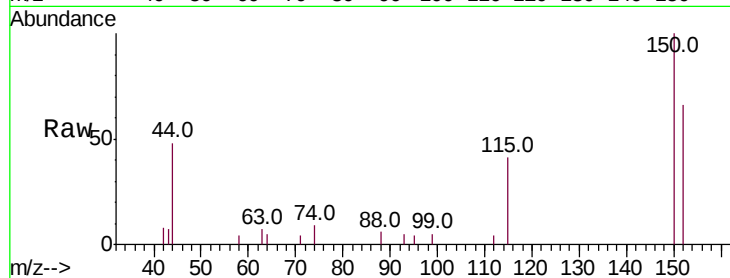


#1

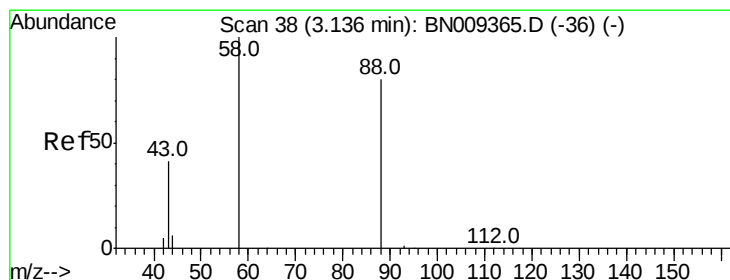
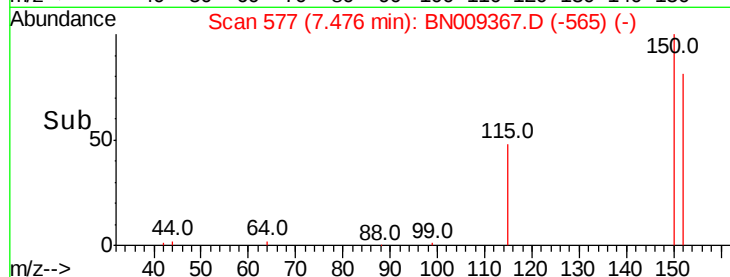
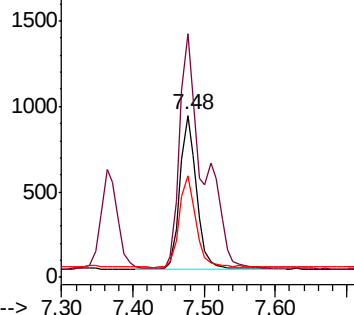
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BN009367.D
Acq: 13 Jan 2020 16:54

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1440
Ion Ratio Lower Upper
152 100
150 150.5 125.7 188.5
115 62.4 53.3 79.9



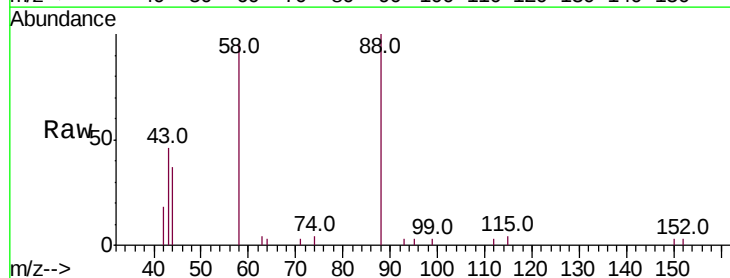
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



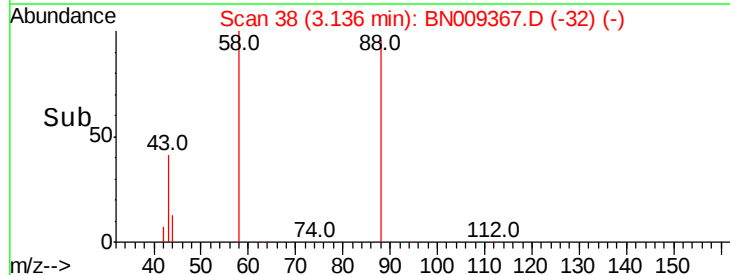
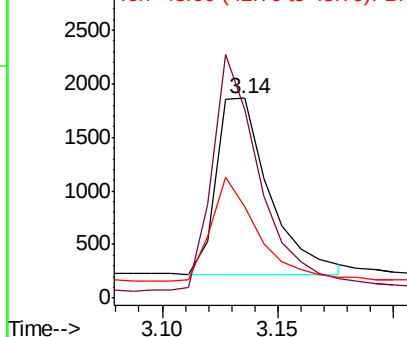
#2

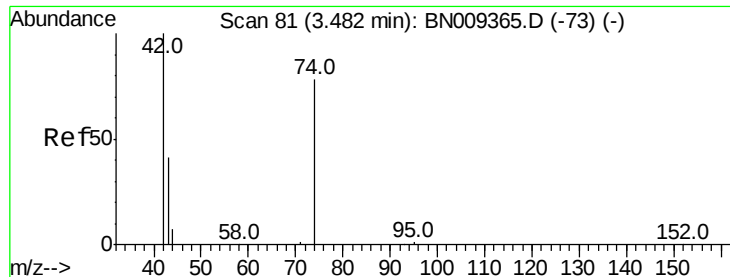
1,4-Dioxane
Concen: 1.925 ng
RT: 3.14 min Scan# 38
Delta R.T. -0.00 min
Lab File: BN009367.D
Acq: 13 Jan 2020 16:54

Tgt Ion: 88 Resp: 2601
Ion Ratio Lower Upper
88 100
58 122.3 100.2 150.2
43 52.7 43.1 64.7



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC



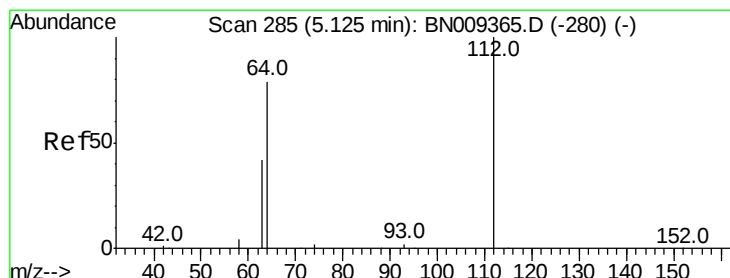
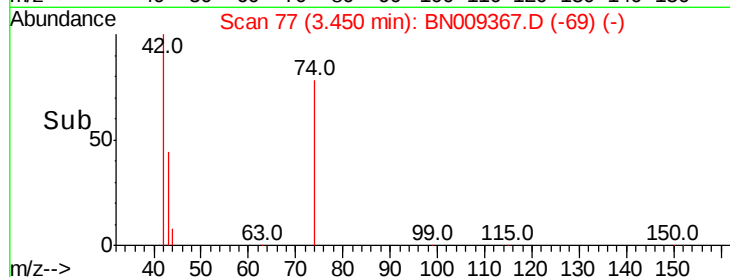
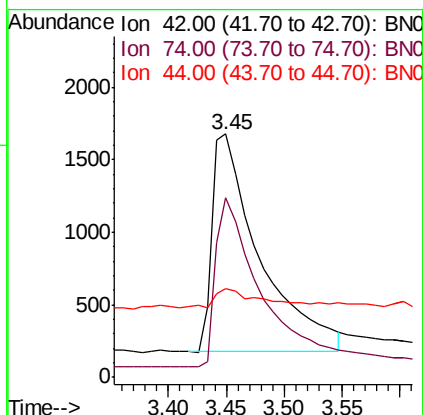
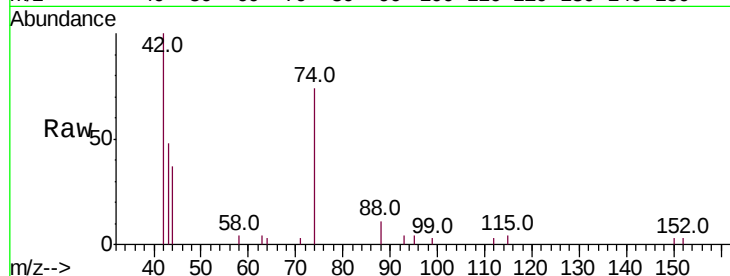


#3

n-Nitrosodimethylamine
Concen: 2.285 ng
RT: 3.45 min Scan# 77
Delta R.T. -0.03 min
Lab File: BN009367.D
Acq: 13 Jan 2020 16:54

Instrument :
BNA_N
ClientSampleId :

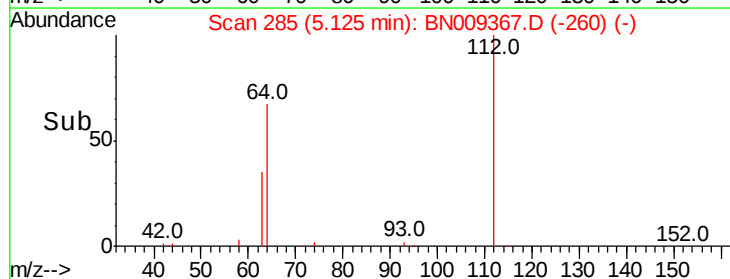
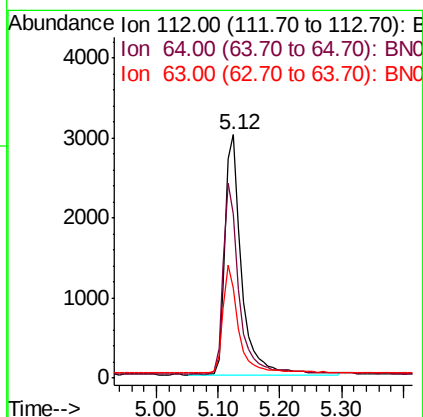
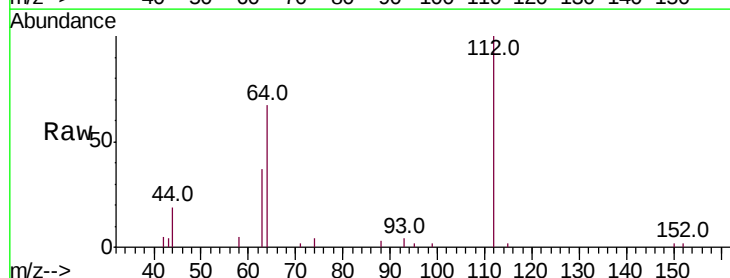
Tot Ion: 42 Resp: 4261
Ion Ratio Lower Upper
42 100
74 75.5 55.8 83.8
44 8.1 11.1 16.7#

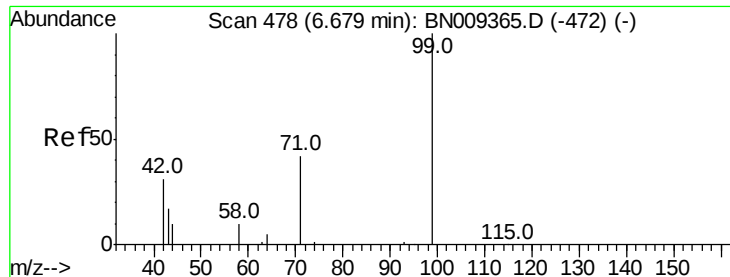


#4

2-Fluorophenol
Concen: 1.516 ng
RT: 5.12 min Scan# 285
Delta R.T. -0.00 min
Lab File: BN009367.D
Acq: 13 Jan 2020 16:54

Tgt Ion: 112 Resp: 5549
Ion Ratio Lower Upper
112 100
64 78.0 61.5 92.3
63 42.5 35.0 52.4





#5

Phenol-d6

Concen: 1.329 ng

RT: 6.67 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampled :

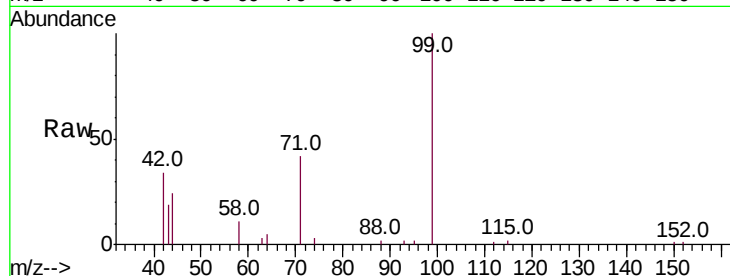
Tot Ion: 99 Resp: 6730

Ion Ratio Lower Upper

99 100

42 34.7 27.6 41.4

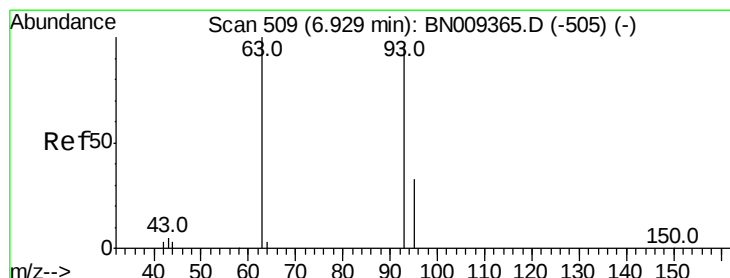
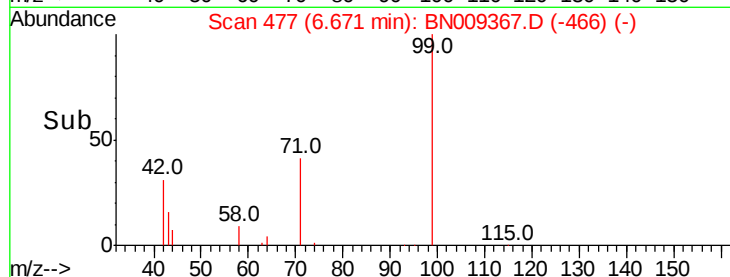
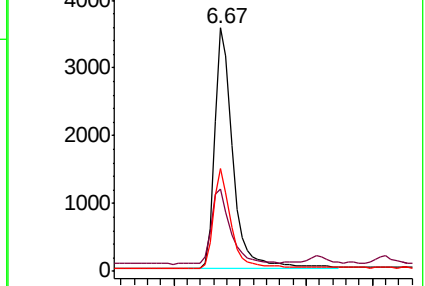
71 39.8 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BN009365.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN009365.D (-472) (-)

Ion 71.00 (70.70 to 71.70): BN009365.D (-472) (-)



#6

bis(2-Chloroethyl)ether

Concen: 1.436 ng

RT: 6.92 min Scan# 508

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

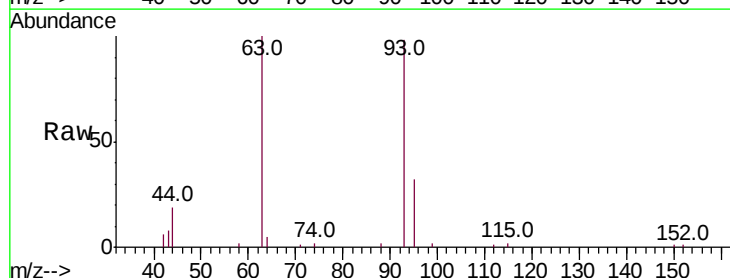
Tgt Ion: 93 Resp: 6848

Ion Ratio Lower Upper

93 100

63 98.1 85.1 127.7

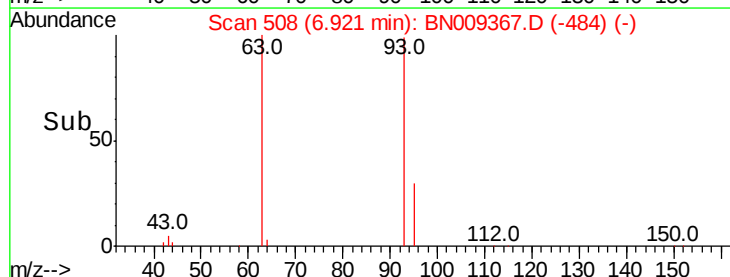
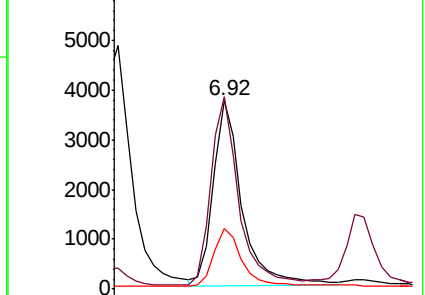
95 31.2 30.2 45.4

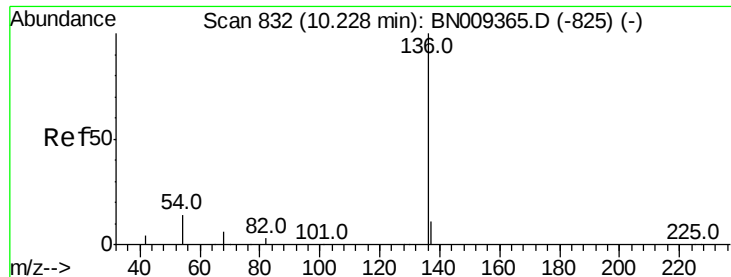


Abundance Ion 93.00 (92.70 to 93.70): BN009365.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN009365.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN009365.D (-505) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.23 min Scan# 832

Delta R.T. -0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 4982

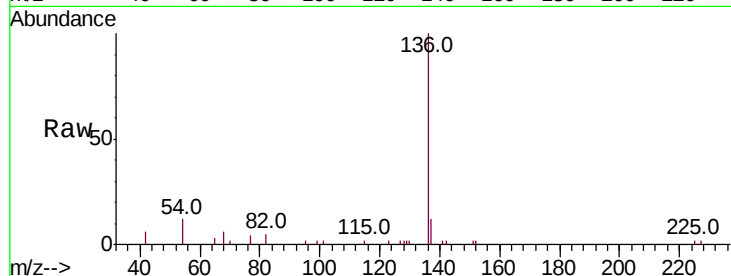
Ion Ratio Lower Upper

136 100

137 12.1 10.3 15.5

54 11.9 12.6 19.0#

68 6.4 6.5 9.7#

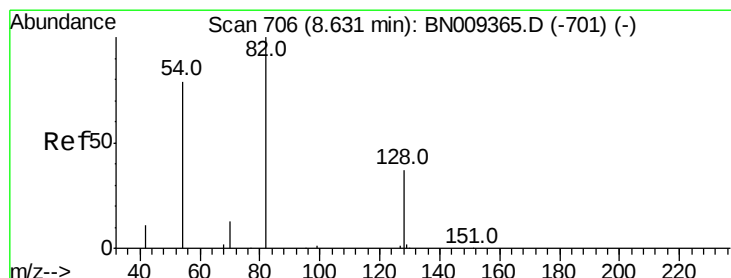
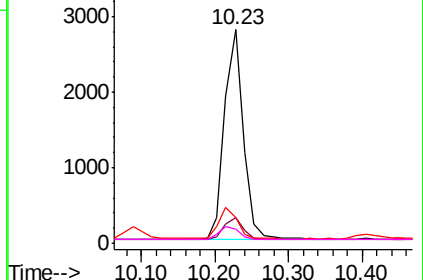
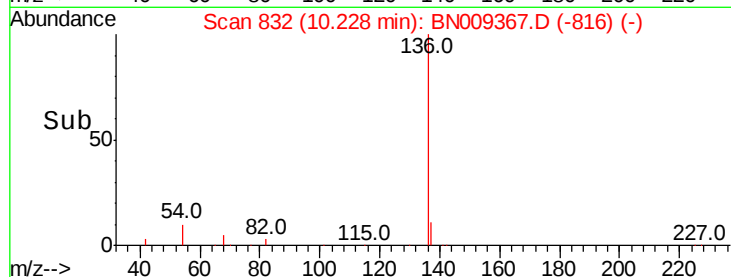


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 1.664 ng

RT: 8.62 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

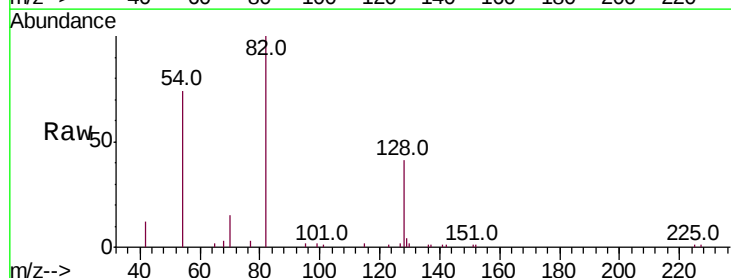
Tgt Ion: 82 Resp: 7029

Ion Ratio Lower Upper

82 100

128 41.0 34.8 52.2

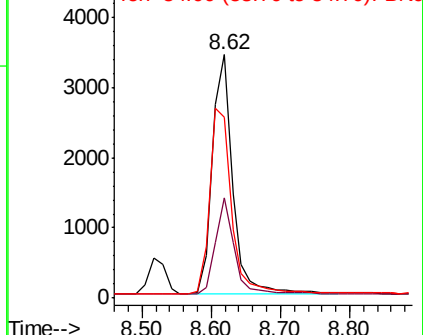
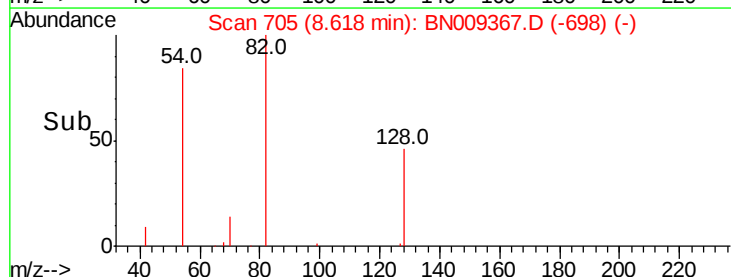
54 74.3 65.8 98.6

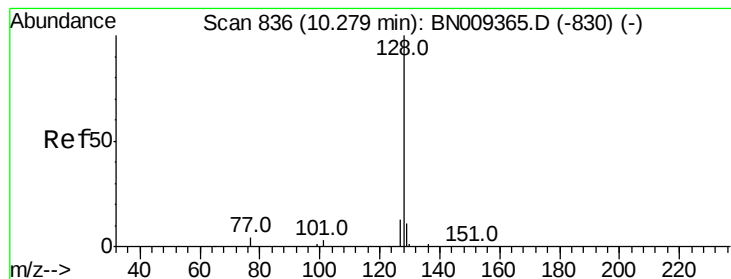


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 1.660 ng

RT: 10.28 min Scan# 836

Delta R.T. -0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :

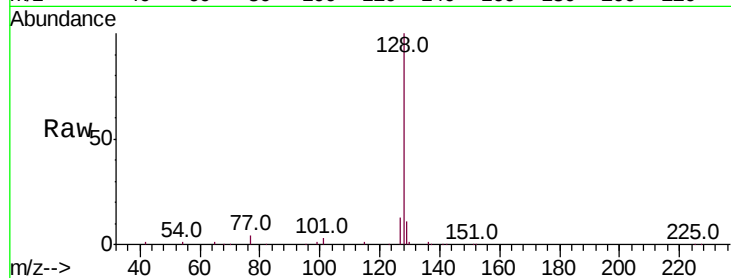
Tot Ion:128 Resp: 22564

Ion Ratio Lower Upper

128 100

129 11.2 10.4 15.6

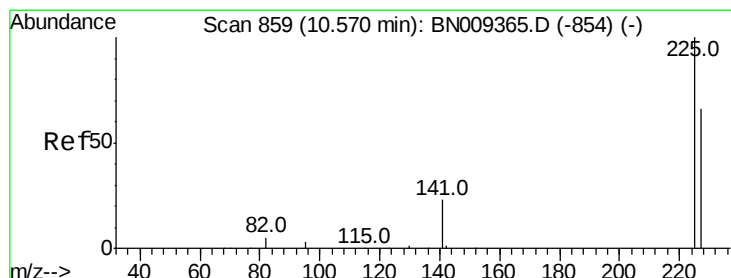
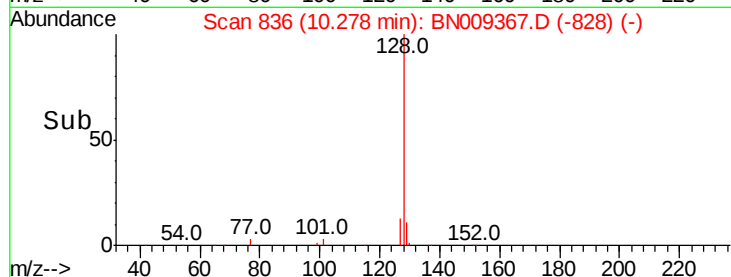
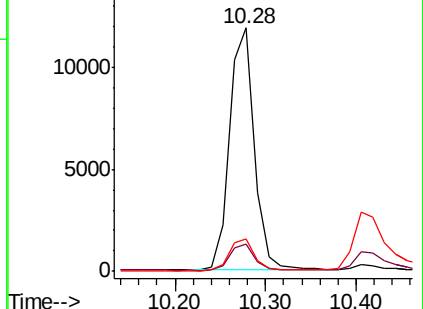
127 13.1 11.4 17.2



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



#10

Hexachlorobutadiene

Concen: 1.833 ng

RT: 10.57 min Scan# 859

Delta R.T. -0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

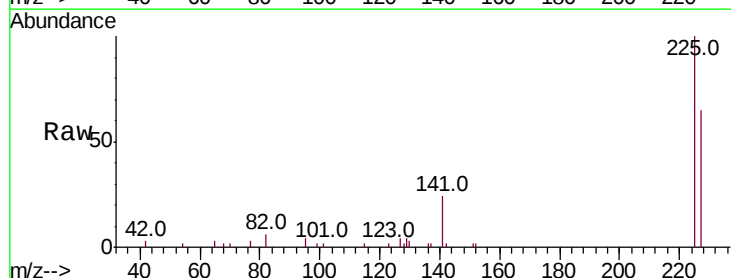
Tgt Ion:225 Resp: 4769

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

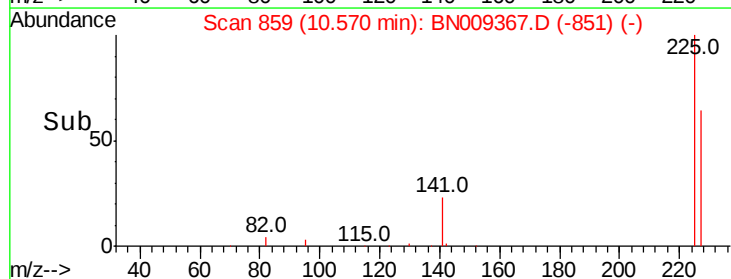
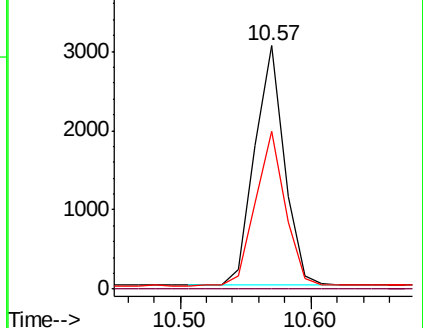
227 64.1 52.6 78.8

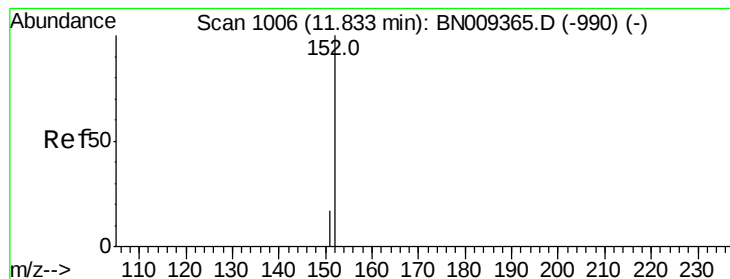


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.916 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

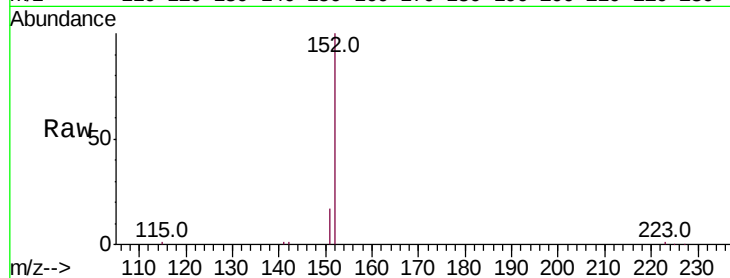
ClientSampled :

Tot Ion:152 Resp: 16322

Ion Ratio Lower Upper

152 100

151 19.1 14.8 22.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

10000

8000

6000

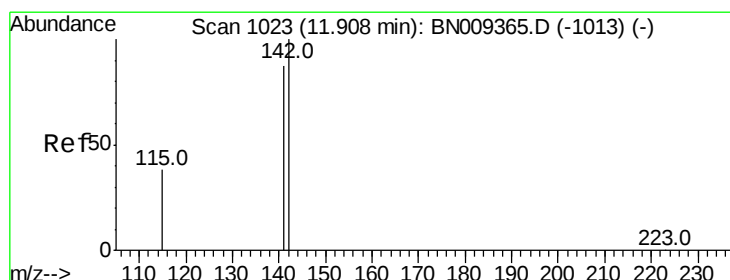
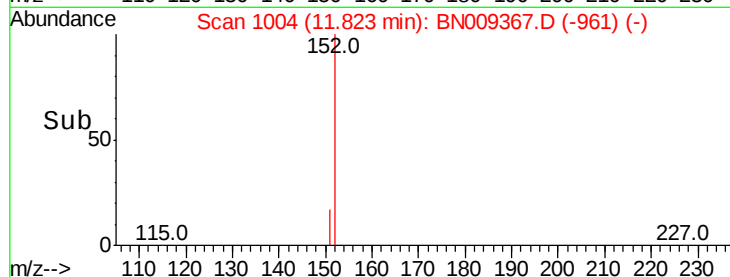
4000

2000

0

11.70 11.80 11.90 12.00

Time-->



#12

2-Methylnaphthalene

Concen: 1.564 ng

RT: 11.90 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

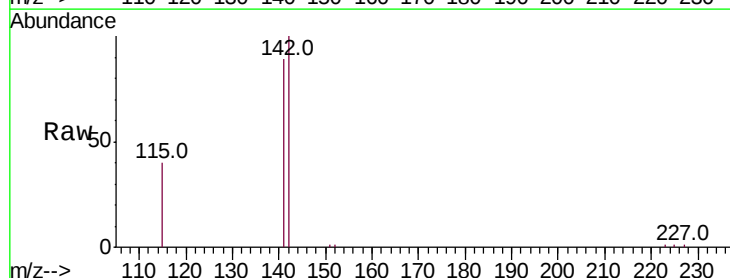
Tgt Ion:142 Resp: 15834

Ion Ratio Lower Upper

142 100

141 88.7 69.8 104.6

115 39.9 32.5 48.7



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

12000

10000

8000

6000

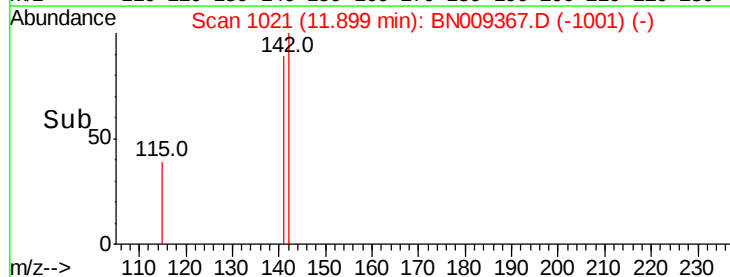
4000

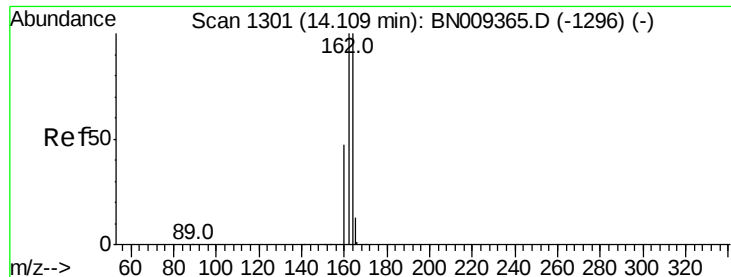
2000

0

11.80 11.90 12.00 12.10

Time-->

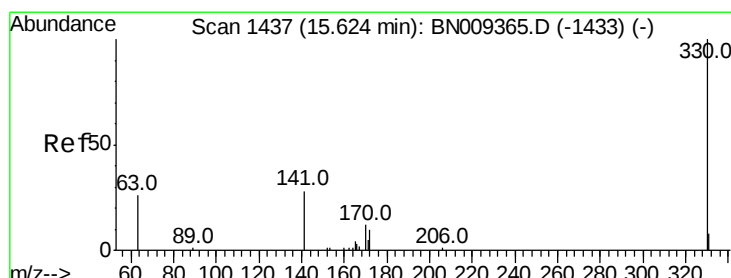
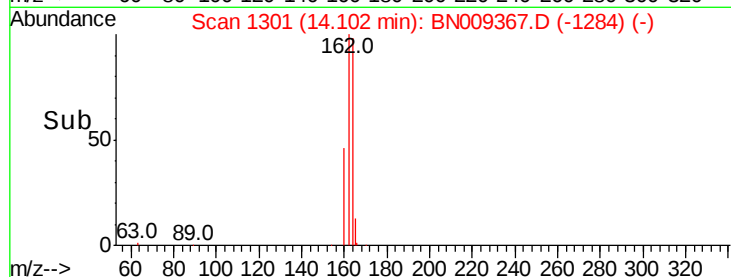
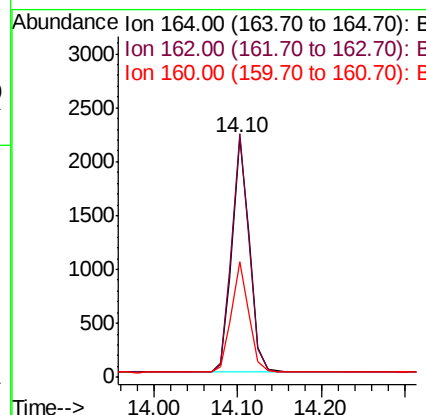
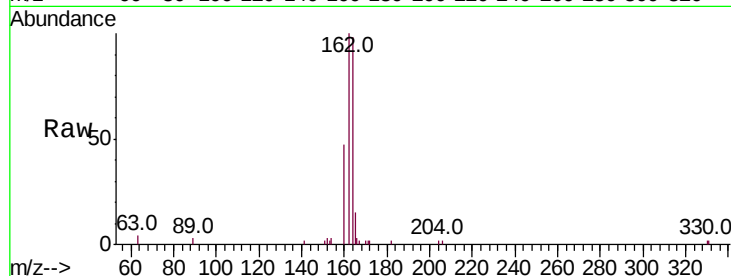




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN009367.D
Acq: 13 Jan 2020 16:54

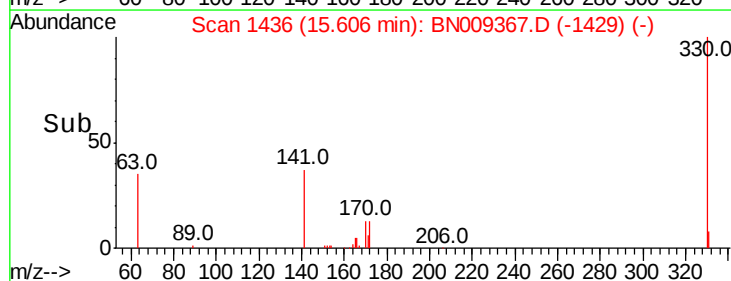
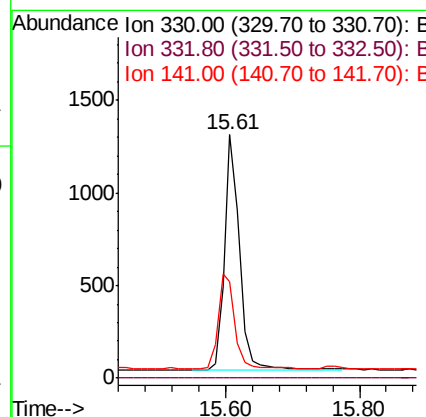
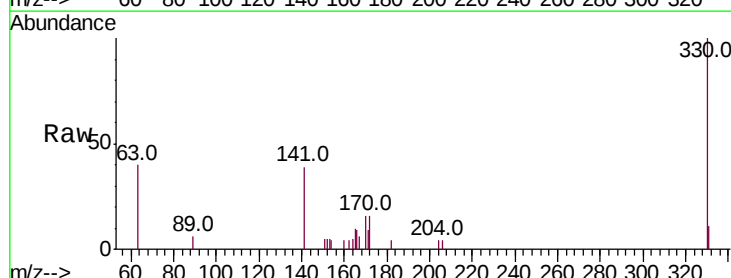
Instrument :
BNA_N
ClientSampleId :

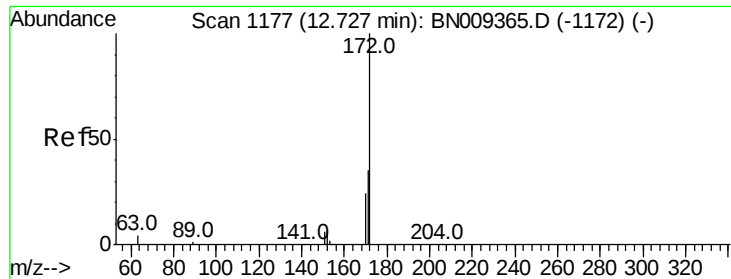
Tot Ion:164 Resp: 3159
Ion Ratio Lower Upper
164 100
162 101.6 79.8 119.6
160 48.1 38.4 57.6



#14
2,4,6-Tribromophenol
Concen: 1.313 ng
RT: 15.61 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BN009367.D
Acq: 13 Jan 2020 16:54

Tgt Ion:330 Resp: 1991
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 45.0 33.1 49.7

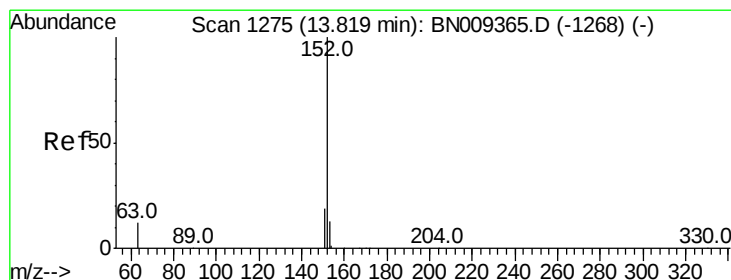
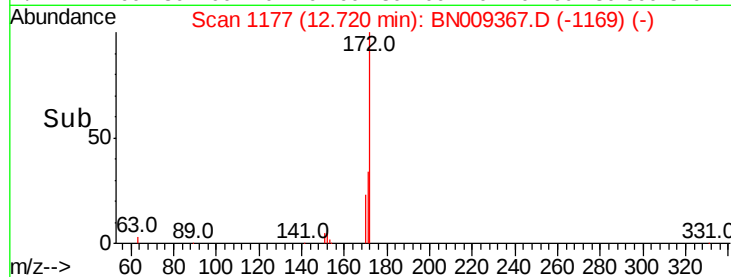
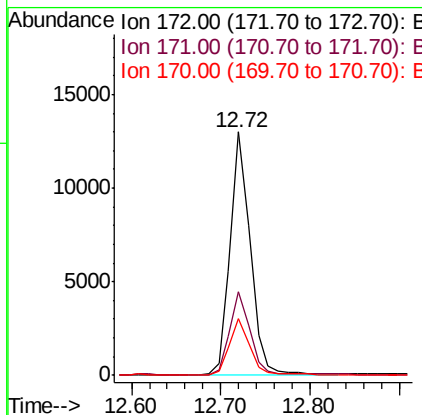
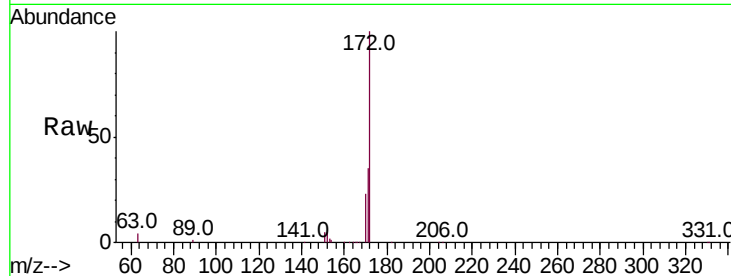




#15
 2-Fluorobiphenyl
 Concen: 1.681 ng
 RT: 12.72 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BN009367.D
 Acq: 13 Jan 2020 16:54

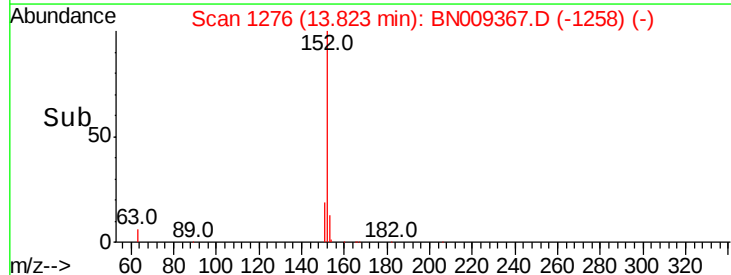
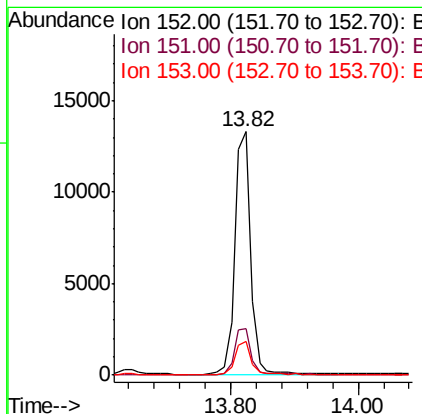
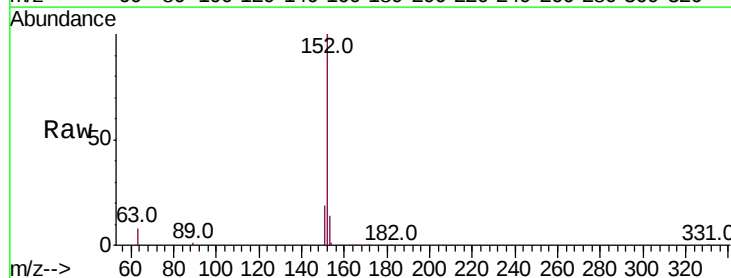
Instrument :
 BNA_N
 ClientSampleId :

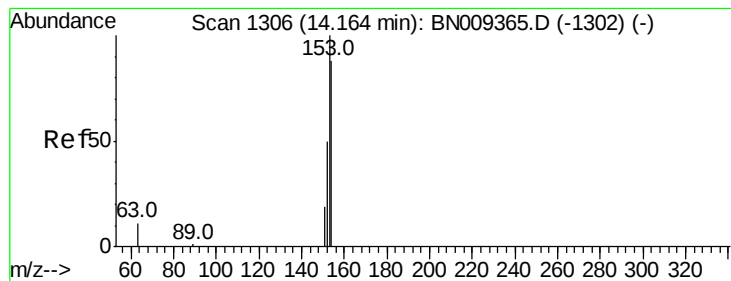
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.5	44.3
170	23.3	20.7	31.1



#16
 Acenaphthylene
 Concen: 1.587 ng
 RT: 13.82 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: BN009367.D
 Acq: 13 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.2	10.4	15.6





#17

Acenaphthene

Concen: 1.657 ng

RT: 14.17 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :

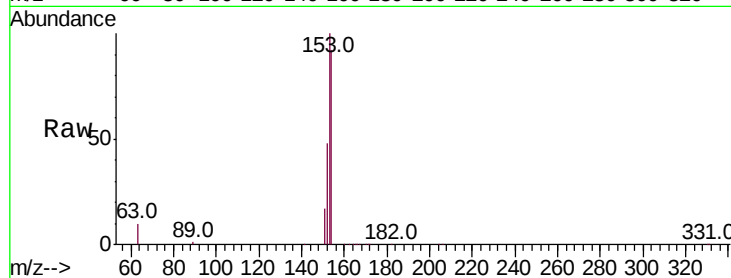
Tot Ion:154 Resp: 15896

Ion Ratio Lower Upper

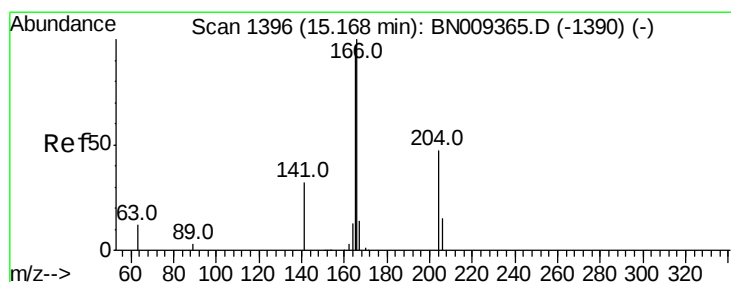
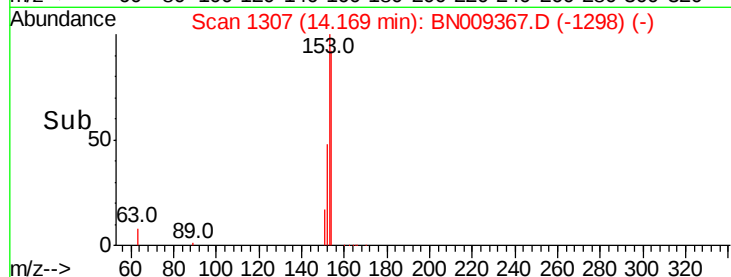
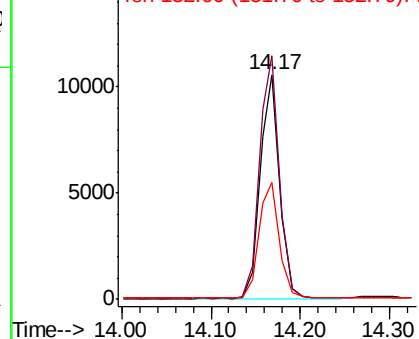
154 100

153 111.5 90.5 135.7

152 54.7 45.3 67.9



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



#18

Fluorene

Concen: 1.614 ng

RT: 15.16 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

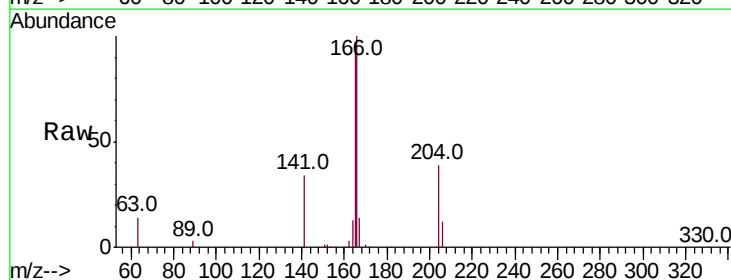
Tgt Ion:166 Resp: 20827

Ion Ratio Lower Upper

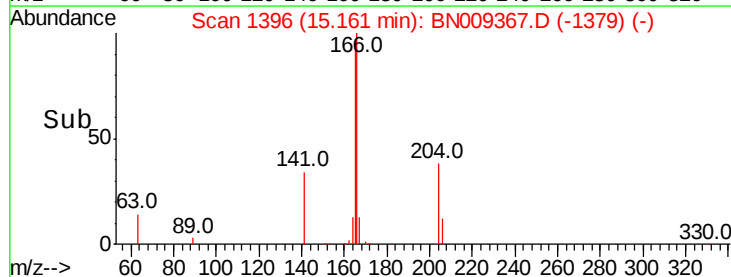
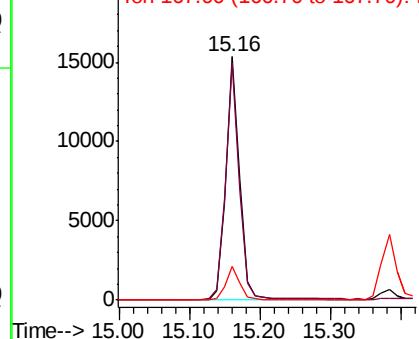
166 100

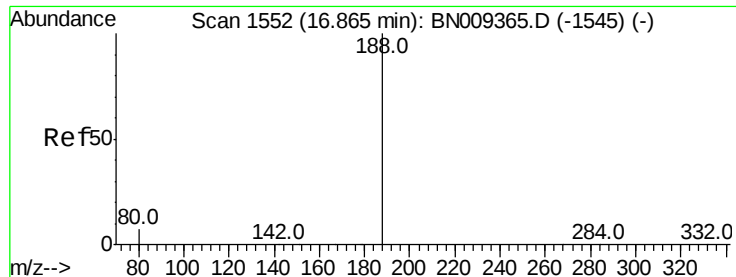
165 97.1 78.2 117.2

167 13.5 11.0 16.6



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.86 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :

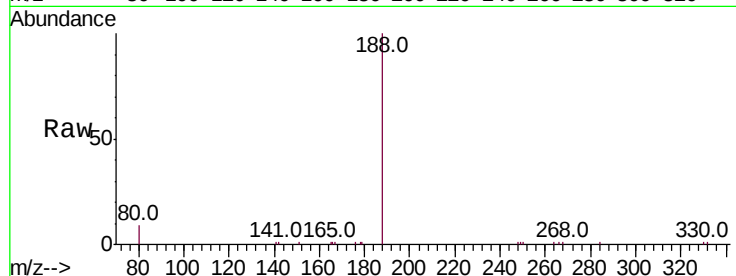
Tot Ion:188 Resp: 6815

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

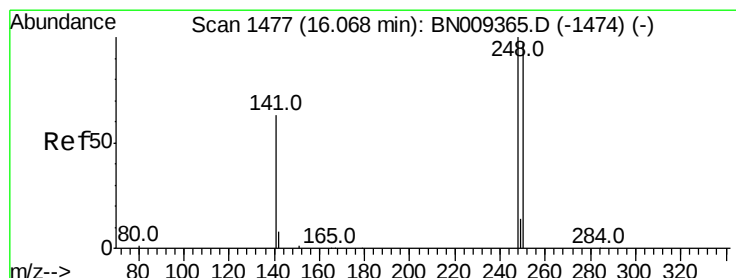
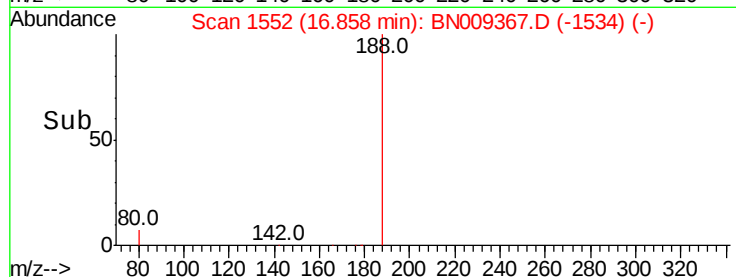
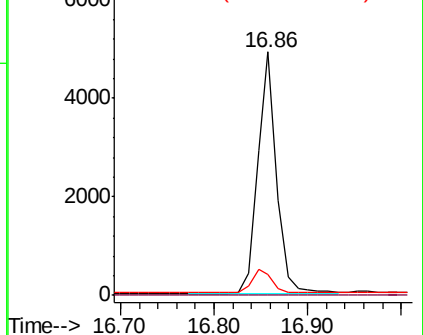
80 8.5 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 1.697 ng

RT: 16.06 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

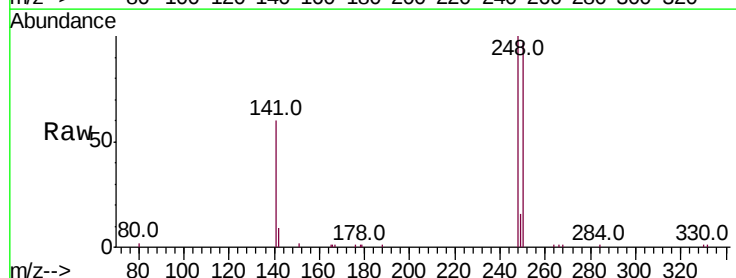
Tgt Ion:248 Resp: 6916

Ion Ratio Lower Upper

248 100

250 97.2 77.8 116.8

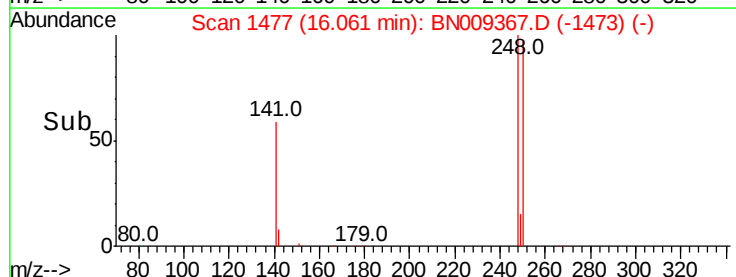
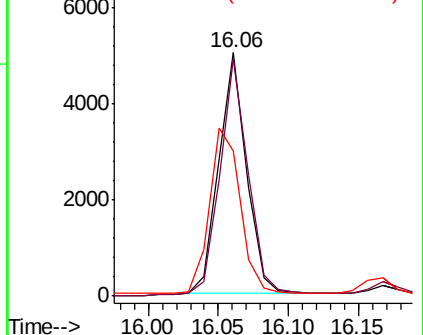
141 59.7 53.4 80.0

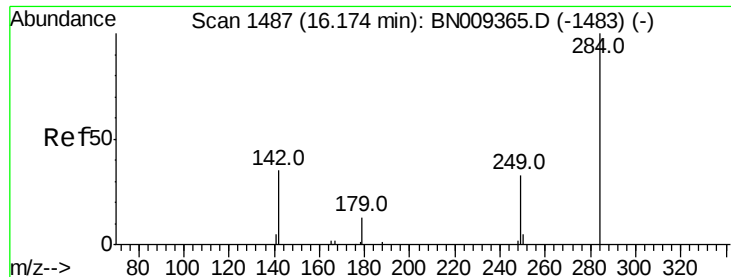


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.506 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :

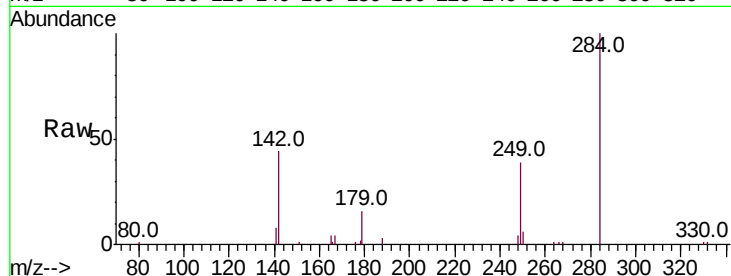
Tot Ion:284 Resp: 6994

Ion Ratio Lower Upper

284 100

142 43.0 33.8 50.8

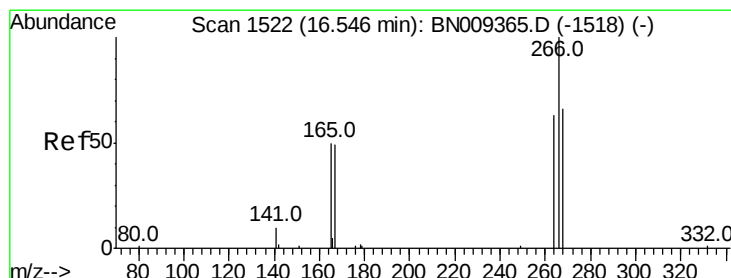
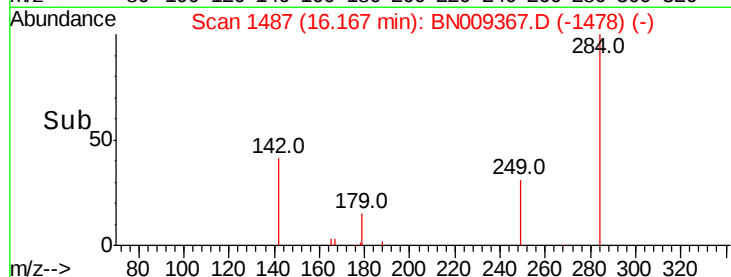
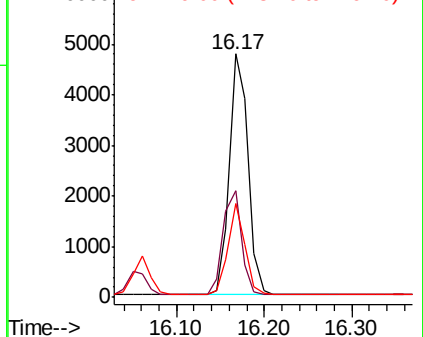
249 34.2 27.0 40.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.259 ng

RT: 16.53 min Scan# 1521

Delta R.T. -0.02 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

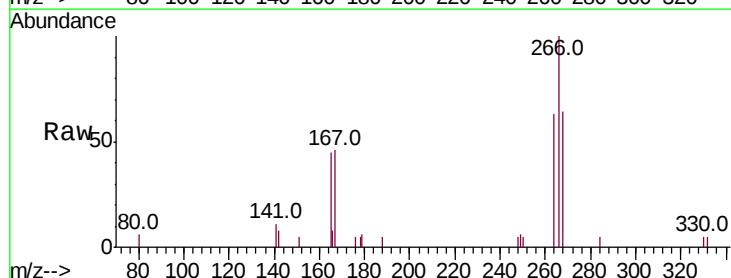
Tgt Ion:266 Resp: 2109

Ion Ratio Lower Upper

266 100

264 63.0 57.8 86.6

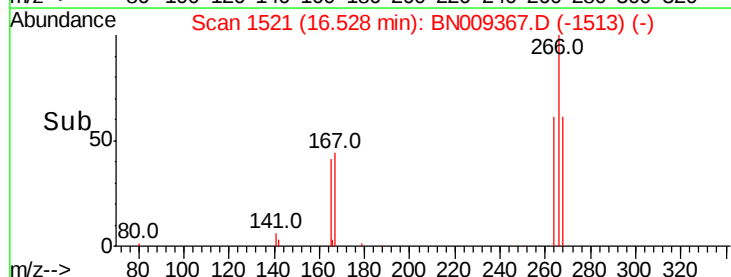
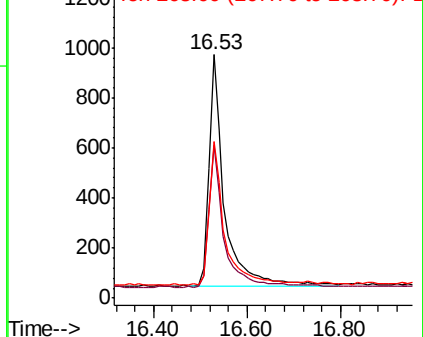
268 64.2 63.8 95.6

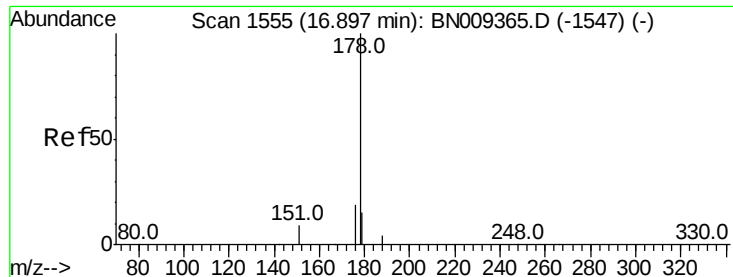


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.589 ng

RT: 16.90 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :

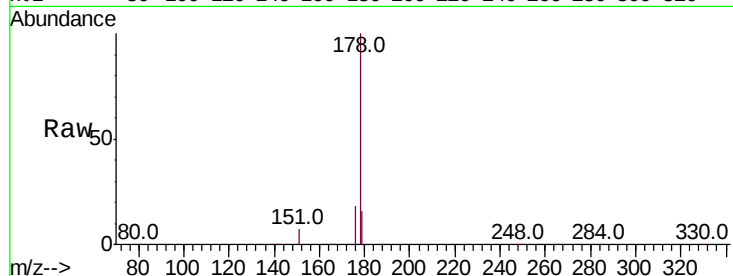
Tot Ion:178 Resp: 34093

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

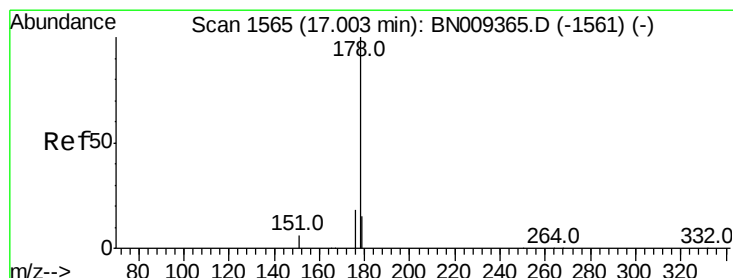
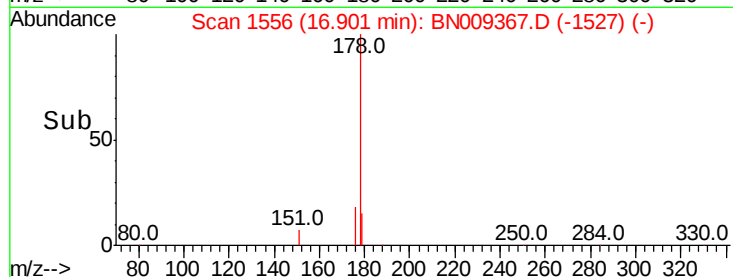
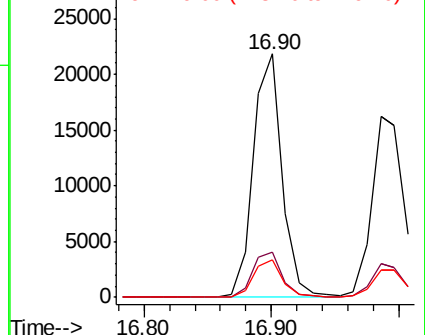
179 15.3 12.3 18.5



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



#24

Anthracene

Concen: 1.552 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.02 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

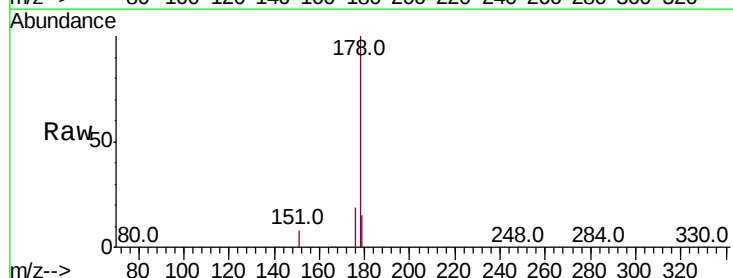
Tgt Ion:178 Resp: 29320

Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

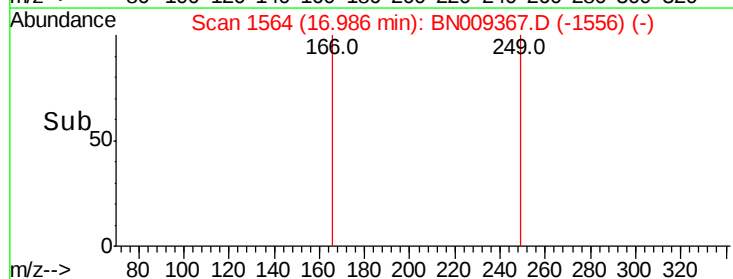
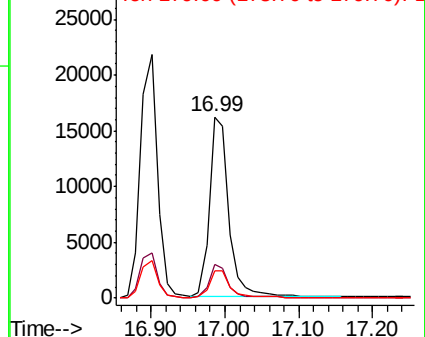
179 15.3 12.5 18.7

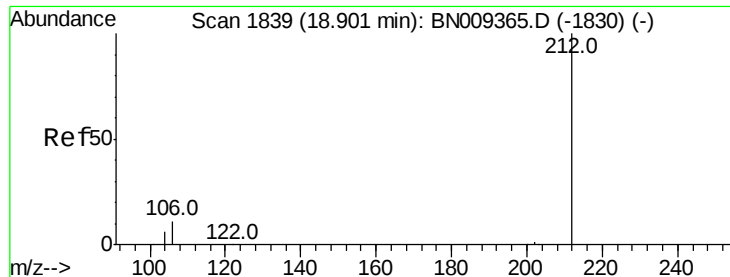


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.881 ng

RT: 18.89 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BN009367.D

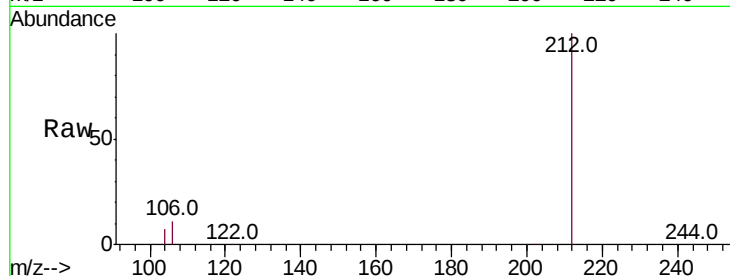
Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :

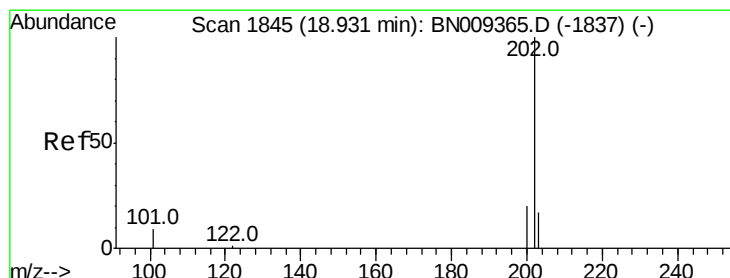
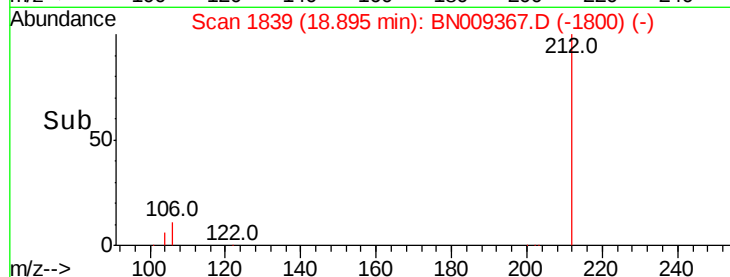
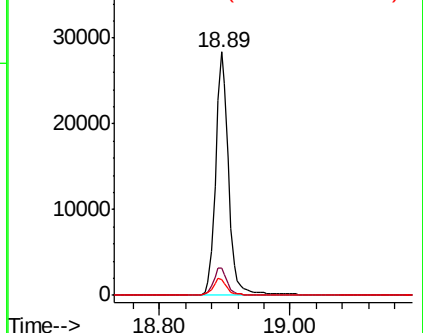
Tot Ion:212	Resp:	38788
Ion Ratio	Lower	Upper
212	100	
106	11.7	9.2 13.8
104	6.7	5.4 8.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.575 ng

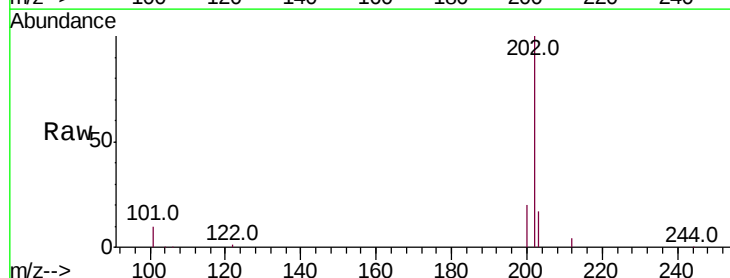
RT: 18.92 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

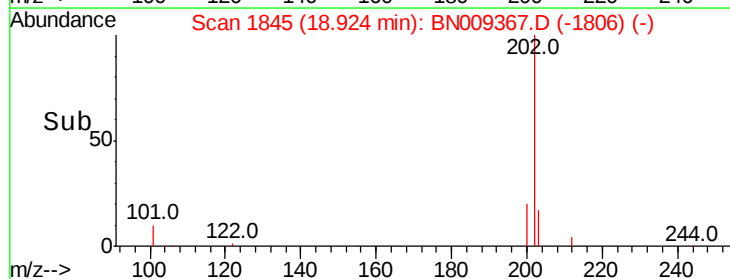
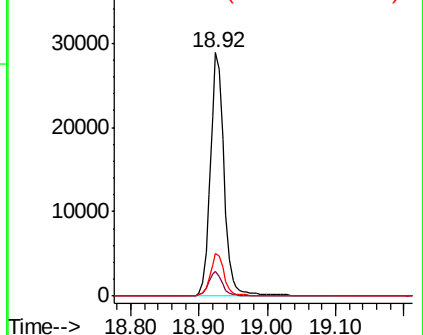
Tgt Ion:202	Resp:	40207
Ion Ratio	Lower	Upper
202	100	
101	10.0	8.0 12.0
203	17.1	13.5 20.3

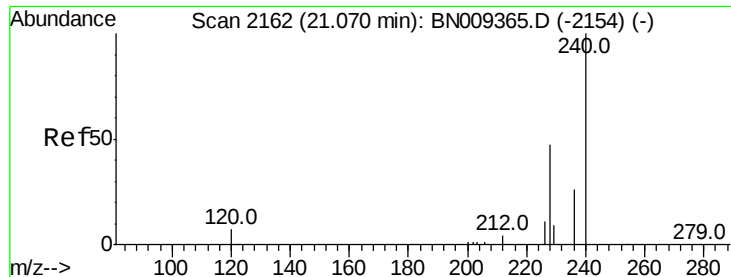


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampled :

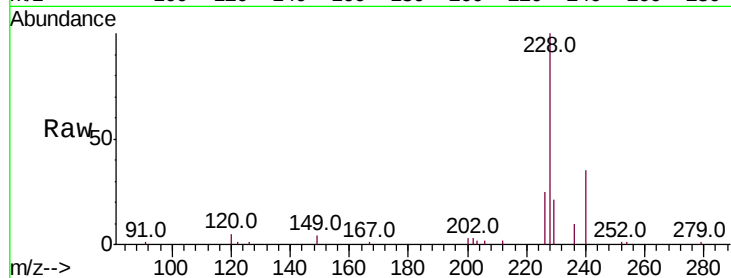
Tot Ion:240 Resp: 6425

Ion Ratio Lower Upper

240 100

120 14.8 8.1 12.1#

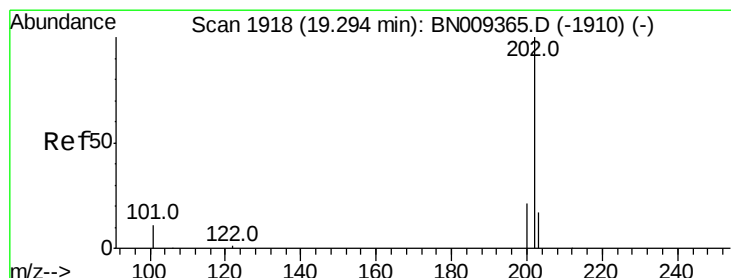
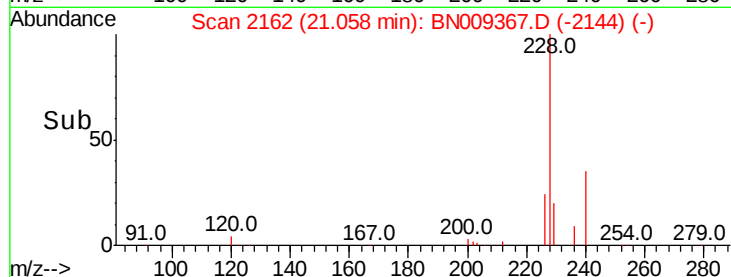
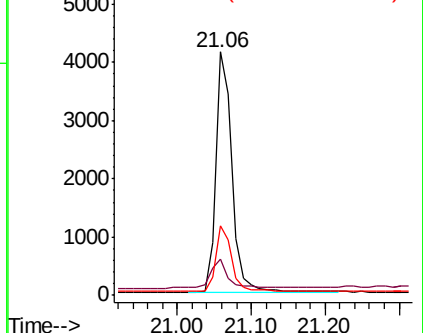
236 28.3 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 1.756 ng

RT: 19.29 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

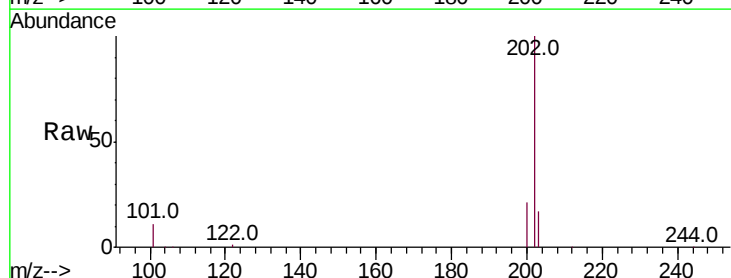
Tgt Ion:202 Resp: 39530

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

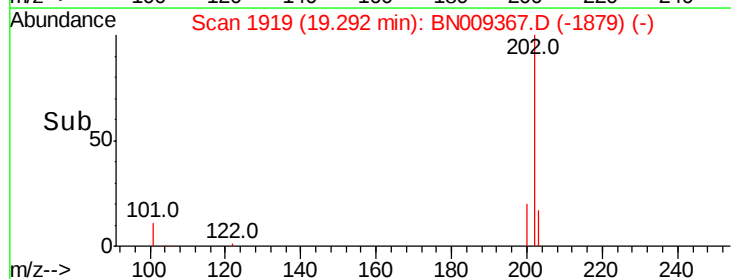
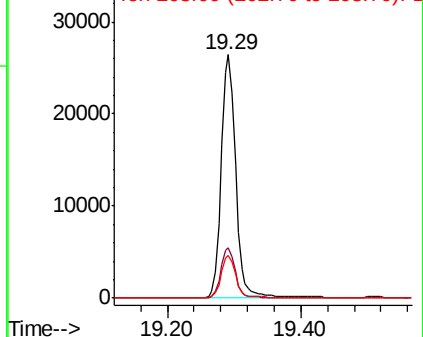
203 17.4 14.1 21.1

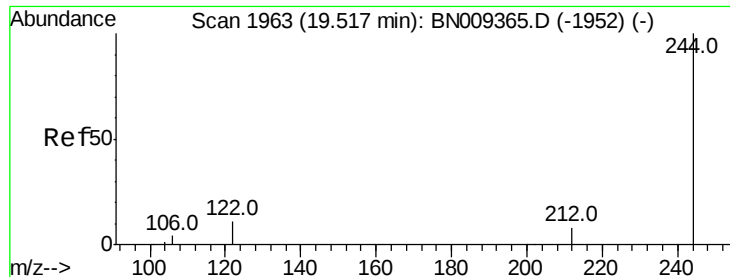


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.727 ng

RT: 19.51 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampled :

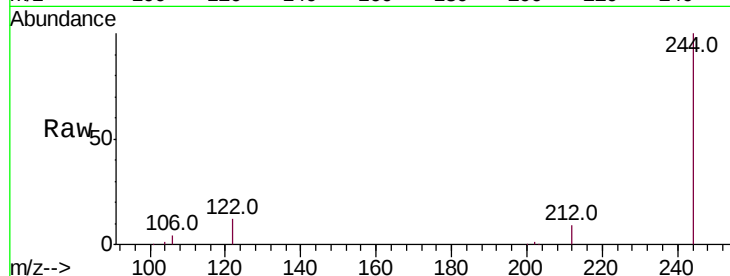
Tot Ion:244 Resp: 25312

Ion Ratio Lower Upper

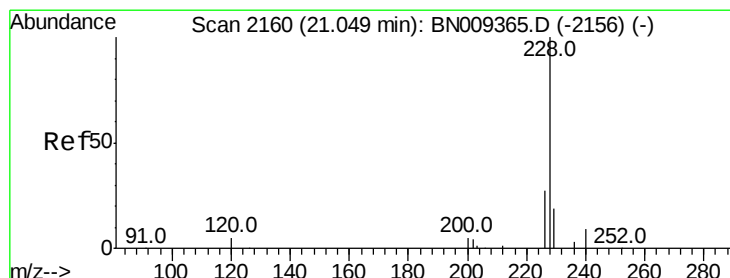
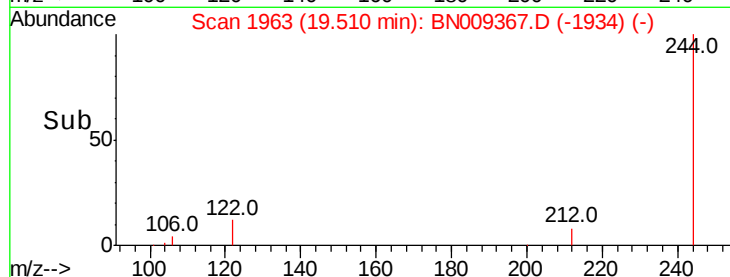
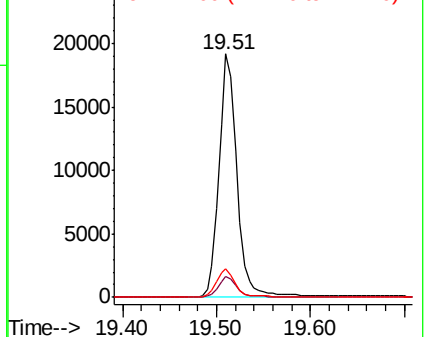
244 100

212 8.5 7.5 11.3

122 11.8 9.8 14.6



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



#30

Benzo(a)anthracene

Concen: 1.640 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

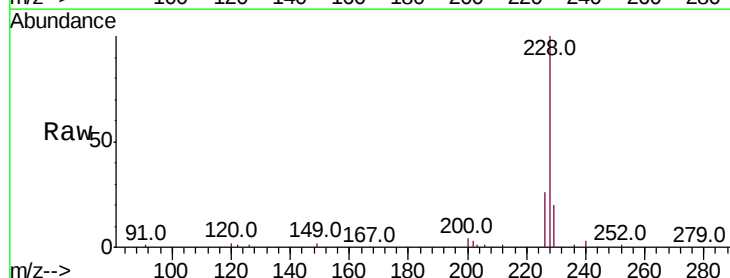
Tgt Ion:228 Resp: 37367

Ion Ratio Lower Upper

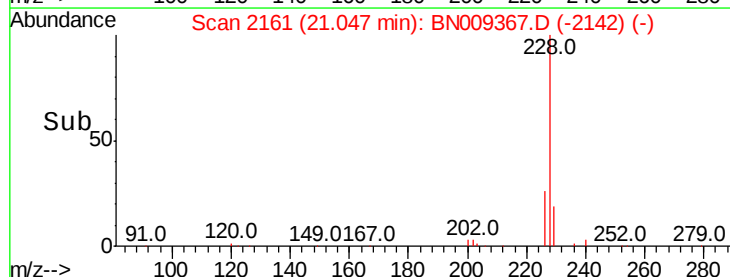
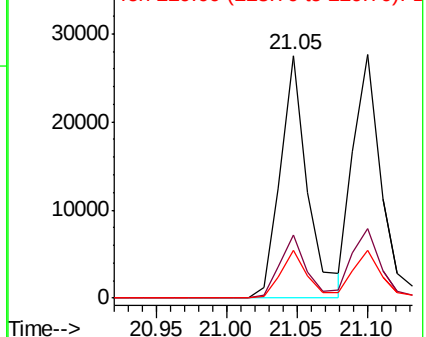
228 100

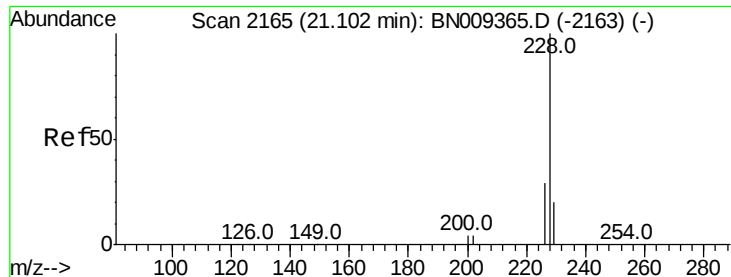
226 26.1 22.5 33.7

229 19.5 16.1 24.1



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





#31

Chrysene

Concen: 1.615 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

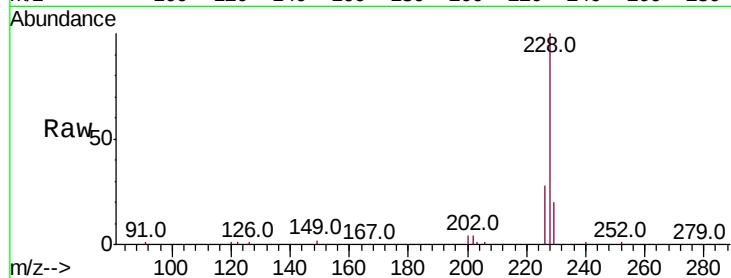
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 38140

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.8	35.8
229	19.8	16.6	24.8

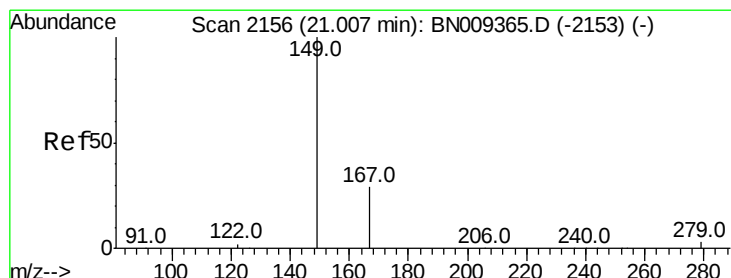
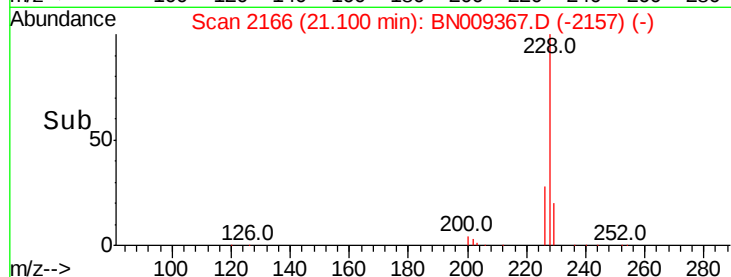
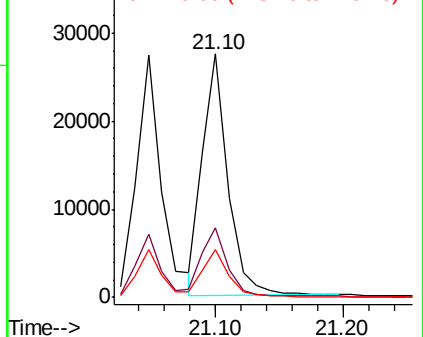


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.382 ng

RT: 21.00 min Scan# 2157

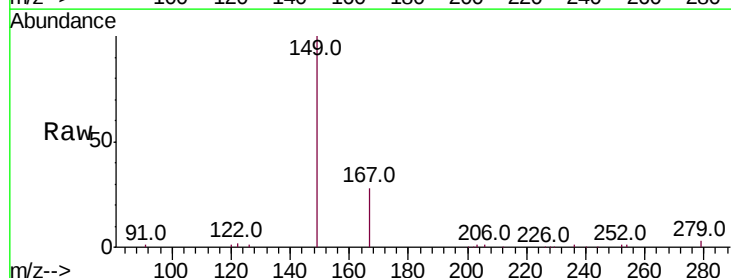
Delta R.T. -0.00 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Tgt Ion:149 Resp: 14737

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.9	34.3
279	3.9	3.4	5.0

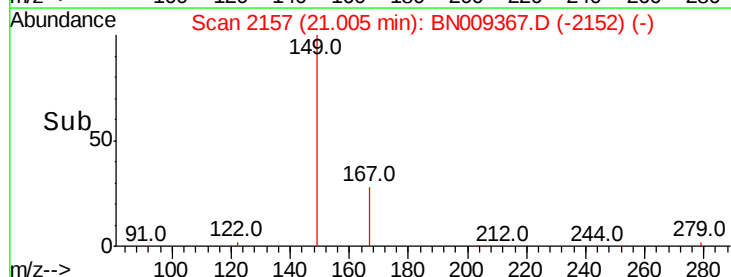
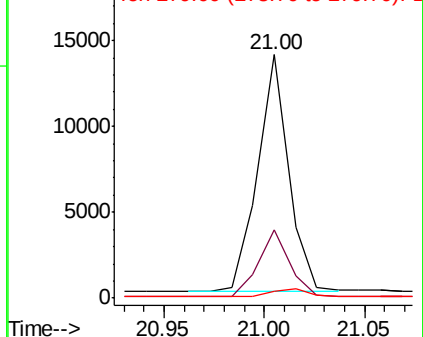


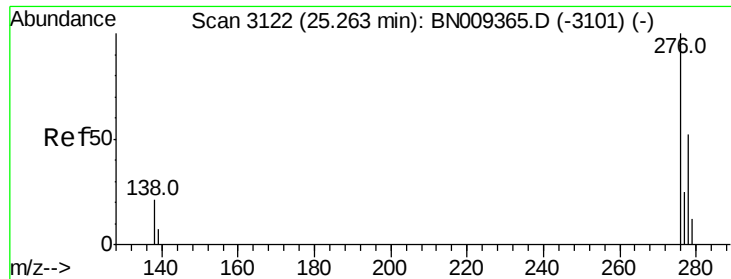
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

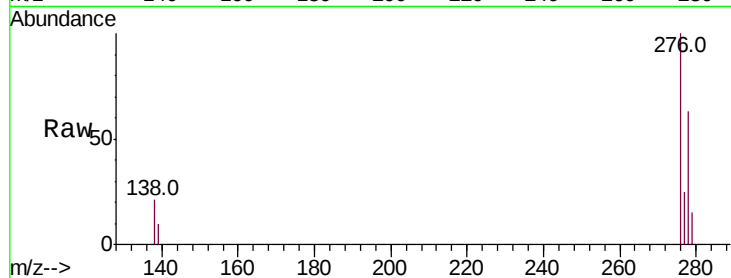




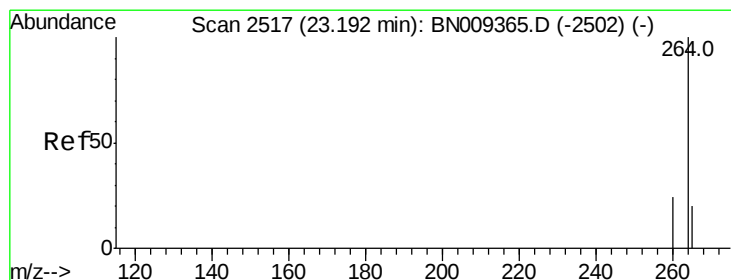
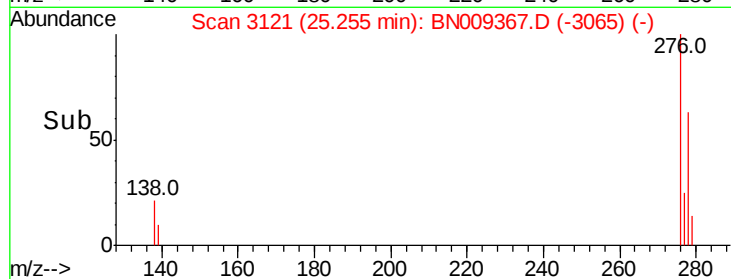
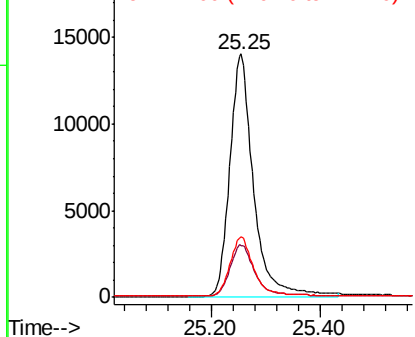
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.681 ng
 RT: 25.25 min Scan# 3121
 Delta R.T. -0.01 min
 Lab File: BN009367.D
 Acq: 13 Jan 2020 16:54

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 42035
 Ion Ratio Lower Upper
 276 100
 138 22.7 15.9 23.9
 277 24.8 19.8 29.6

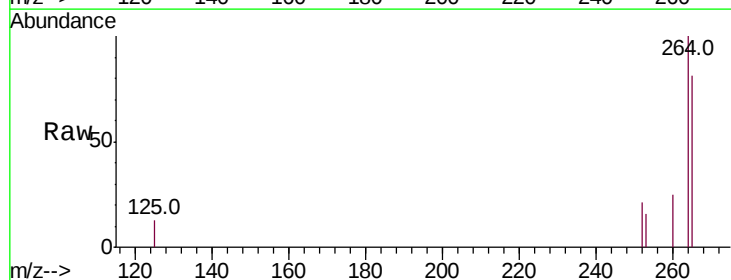


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

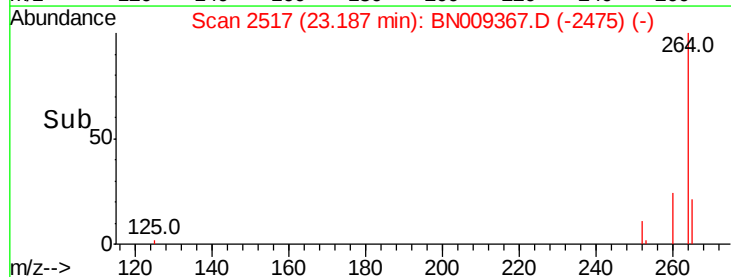
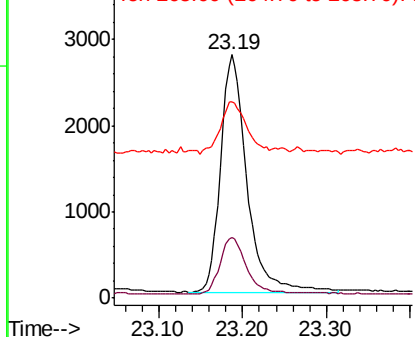


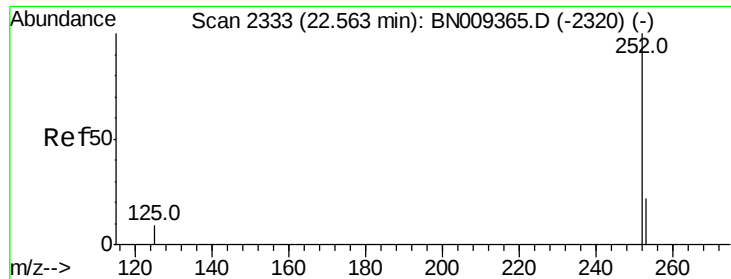
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.19 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BN009367.D
 Acq: 13 Jan 2020 16:54

Tgt Ion:264 Resp: 6001
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.1 30.1
 265 80.8 68.2 102.4



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.758 ng

RT: 22.56 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :

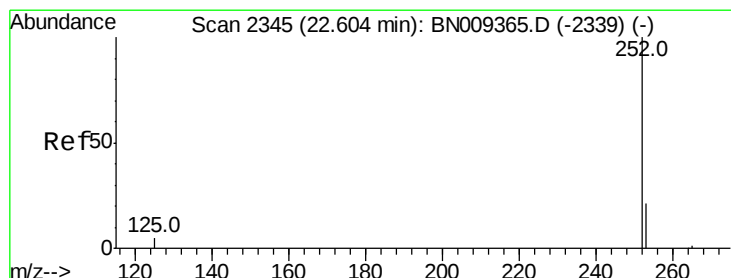
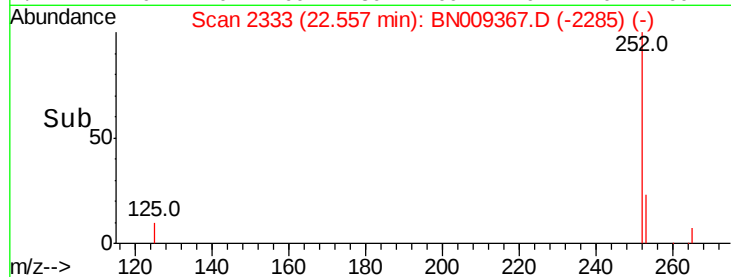
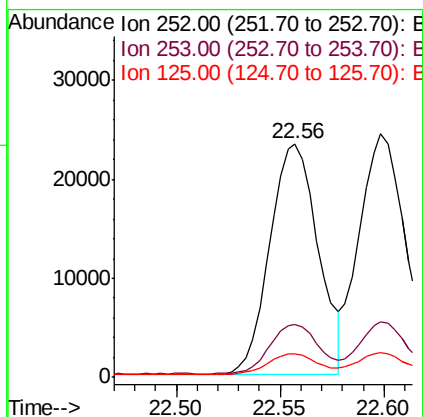
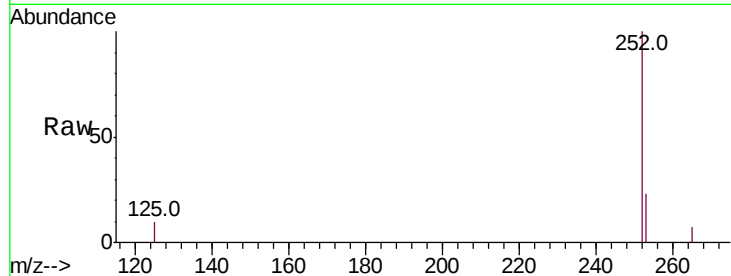
Tot Ion:252 Resp: 37765

Ion Ratio Lower Upper

252 100

253 22.9 22.4 33.6

125 10.0 11.6 17.4#



#36

Benzo(k)fluoranthene

Concen: 1.852 ng

RT: 22.60 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

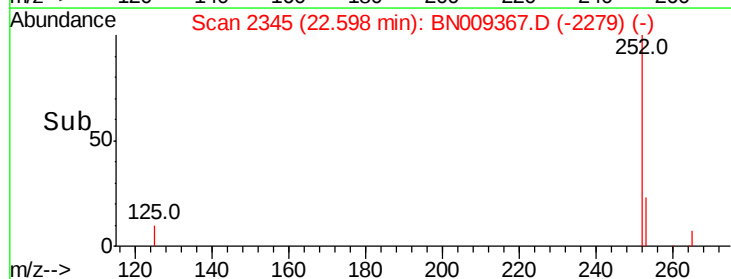
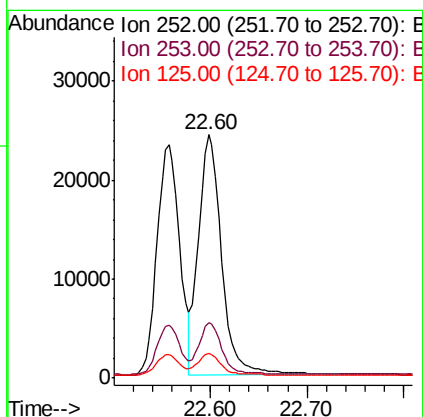
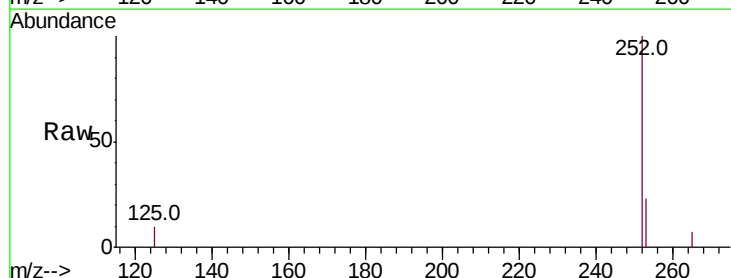
Tgt Ion:252 Resp: 40058

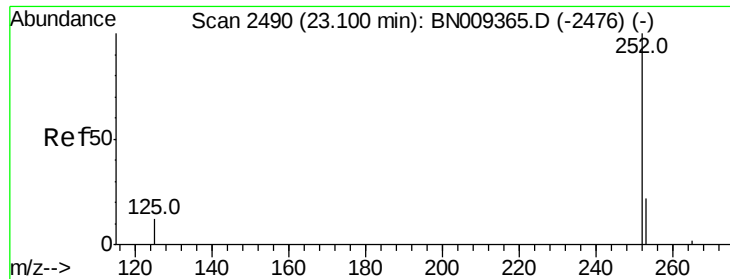
Ion Ratio Lower Upper

252 100

253 22.9 21.9 32.9

125 10.1 12.0 18.0#

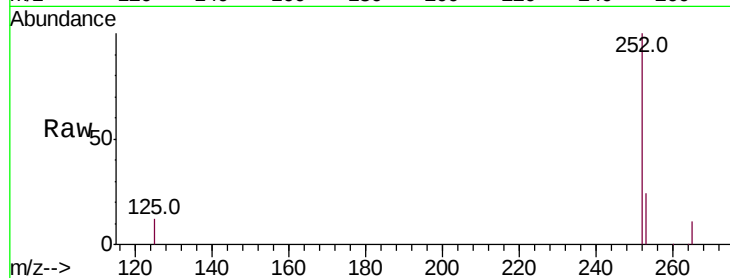




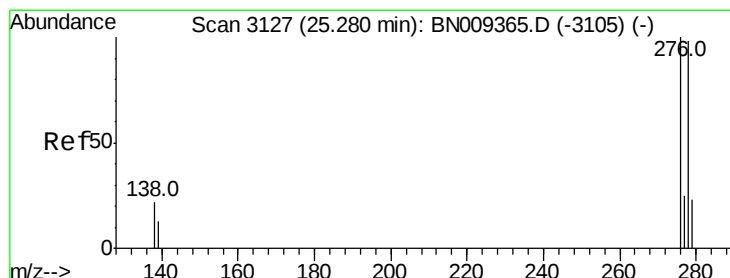
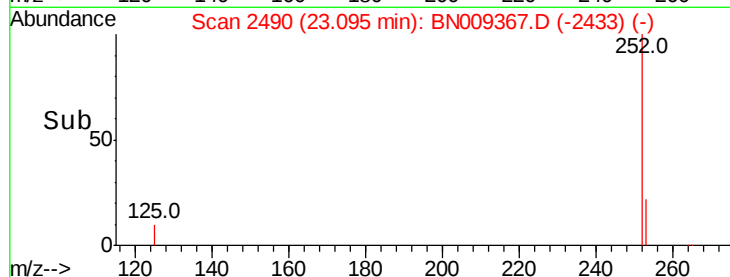
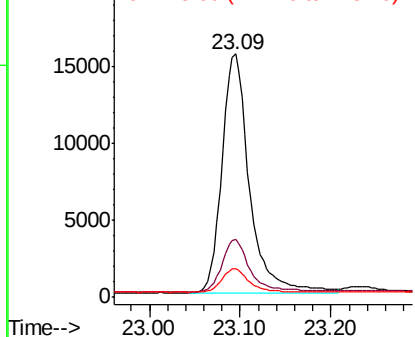
#37
Benzo(a)pyrene
Concen: 1.703 ng
RT: 23.09 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BN009367.D
Acq: 13 Jan 2020 16:54

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 32852
Ion Ratio Lower Upper
252 100
253 23.8 25.4 38.0#
125 11.6 16.2 24.2#

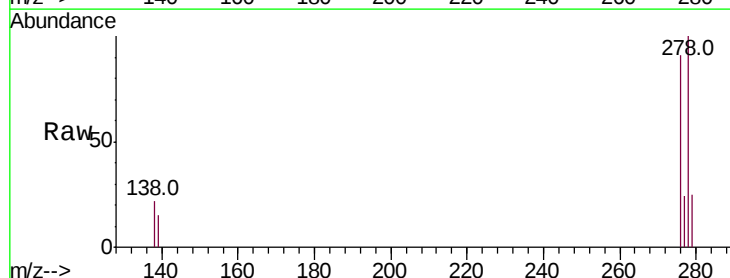


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

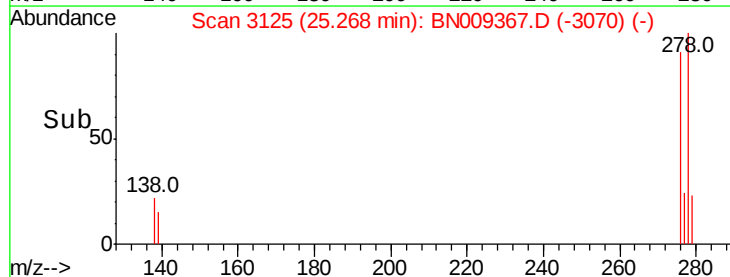
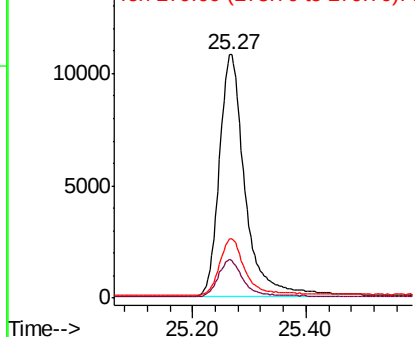


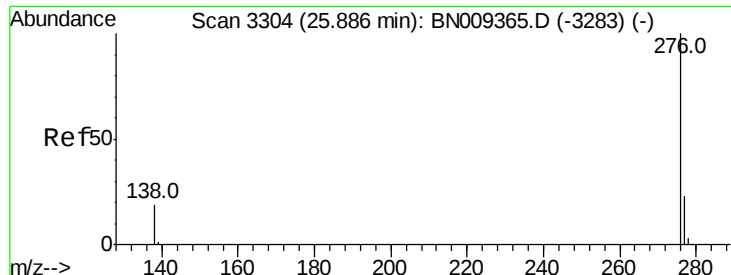
#38
Dibenzo(a,h)anthracene
Concen: 1.888 ng
RT: 25.27 min Scan# 3125
Delta R.T. -0.01 min
Lab File: BN009367.D
Acq: 13 Jan 2020 16:54

Tgt Ion:278 Resp: 34163
Ion Ratio Lower Upper
278 100
139 15.2 14.5 21.7
279 24.5 24.2 36.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 2.020 ng

RT: 25.88 min Scan# 3304

Delta R.T. -0.01 min

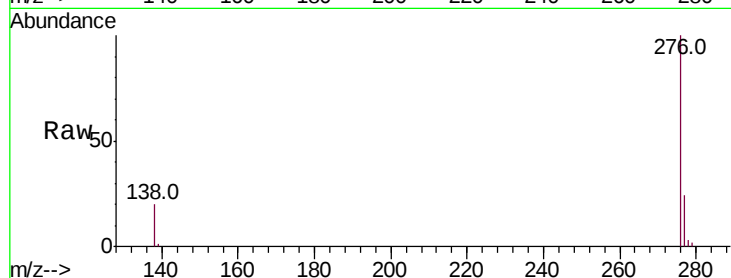
Lab File: BN009367.D

Acq: 13 Jan 2020 16:54

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 36075

Ion Ratio Lower Upper

276 100

277 23.9 20.6 30.8

138 20.0 17.1 25.7

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

