

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
 Data File : BN007222.D
 Acq On : 16 Aug 2019 14:36
 Operator : HP/JU
 Sample : PB122289BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Manual Integrations
 APPROVED

Quant Time: Aug 17 01:29:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 13 12:12:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	6280	0.40	ng	-0.02
6) Naphthalene-d8	10.17	136	22993	0.40	ng	-0.01
12) Acenaphthene-d10	14.07	164	12784	0.40	ng	-0.01
18) Phenanthrene-d10	16.81	188	31778	0.40	ng	-0.01
26) Chrysene-d12	21.03	240	33331	0.40	ng	-0.02
32) Perylene-d12	23.15	264	36437	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	6328	0.42	ng	0.00
4) Phenol-d6	6.61	99	7979	0.43	ng	0.00
7) Nitrobenzene-d5	8.55	82	6090	0.33	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	14602m	0.34	ng	-0.02
13) 2,4,6-Tribromophenol	15.56	330	2153	0.31	ng	-0.01
14) 2-Fluorobiphenyl	12.71	172	899	0.05	ng	0.00
24) Fluoranthene-d10	18.86	212	35098	0.31	ng	-0.01
28) Terphenyl-d14	19.48	244	26793	0.29	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1617	0.391	ng	# 92
5) bis(2-Chloroethyl)ether	6.86	93	6241	0.378	ng	99
8) Naphthalene	10.23	128	22887	0.355	ng	99
9) Hexachlorobutadiene	10.53	225	4794	0.349	ng	# 99
11) 2-Methylnaphthalene	11.85	142	16478	0.361	ng	97
15) Acenaphthylene	13.78	152	25082	0.375	ng	100
16) Acenaphthene	14.13	154	15498	0.362	ng	99
17) Fluorene	15.12	166	20473	0.320	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	6729	0.342	ng	# 92
20) Hexachlorobenzene	16.13	284	7056	0.373	ng	99
21) Pentachlorophenol	16.47	266	4706	0.668	ng	99
22) Phenanthrene	16.86	178	35191	0.370	ng	100
23) Anthracene	16.95	178	32830	0.377	ng	100
25) Fluoranthene	18.89	202	43558	0.358	ng	100
27) Pyrene	19.25	202	44220	0.378	ng	99
29) Benzo(a)anthracene	21.01	228	43503	0.357	ng	99
30) Chrysene	21.07	228	44693	0.377	ng	98
31) Indeno(1,2,3-cd)pyrene	25.22	276	53188	0.407	ng	99
33) Benzo(b)fluoranthene	22.52	252	45380	0.363	ng	99
34) Benzo(k)fluoranthene	22.57	252	46055	0.373	ng	99
35) Benzo(a)pyrene	23.06	252	44098	0.389	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	43716	0.387	ng	99
37) Benzo(g,h,i)perylene	25.85	276	44974	0.387	ng	99

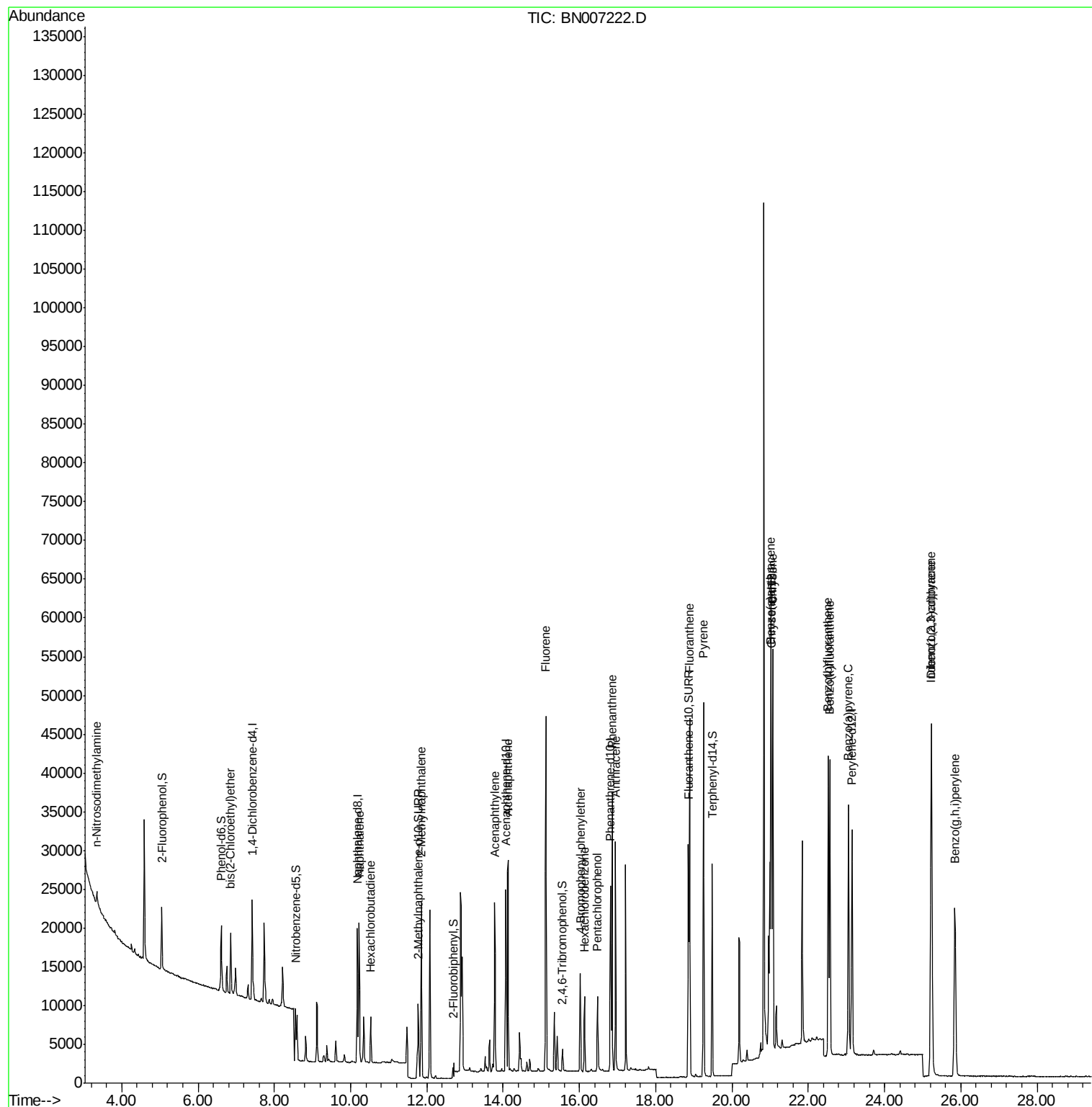
(#) = qualifier out of range (m) = manual integration (+) = signals summed

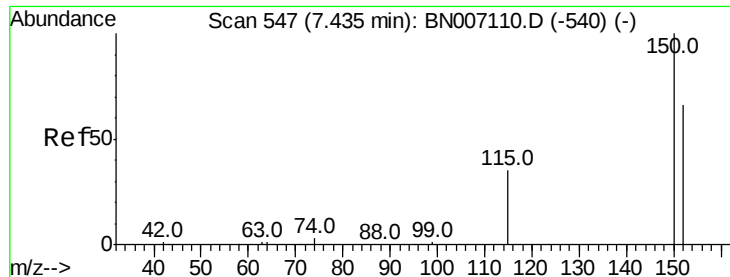
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007222.D
Acq On : 16 Aug 2019 14:36
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BNA_N
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Quant Time: Aug 17 01:29:01 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Manual Integrations
APPROVED





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.42 min Scan# 545

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

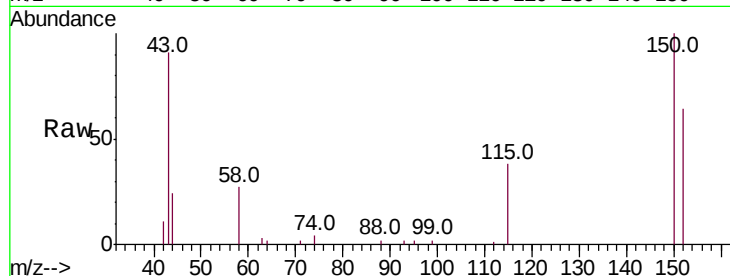
Instrument :

BNA_N

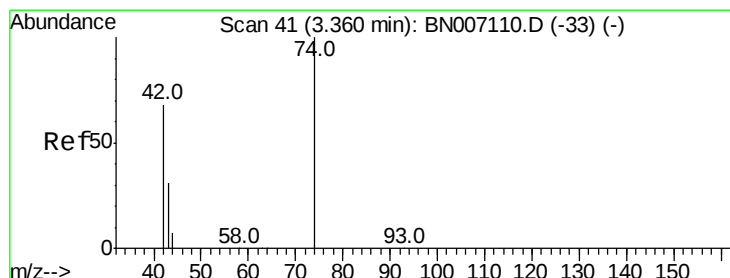
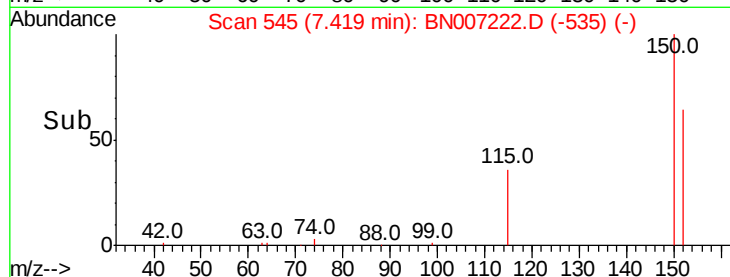
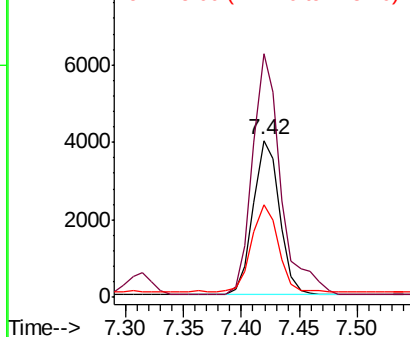
ClientSampled :

Tot Ion:	152	Resp:	6280
Ion	Ratio	Lower	Upper
152	100		
150	155.2	121.7	182.5
115	59.4	46.2	69.4

Manual Integrations
APPROVED



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

n-Nitrosodimethylamine

Concen: 0.391 ng

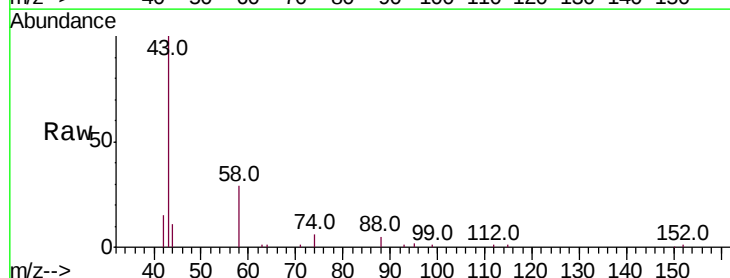
RT: 3.34 min Scan# 39

Delta R.T. -0.02 min

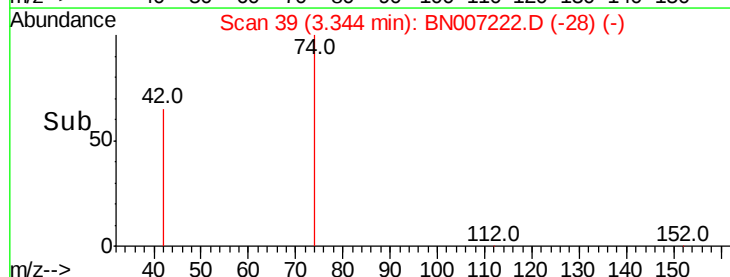
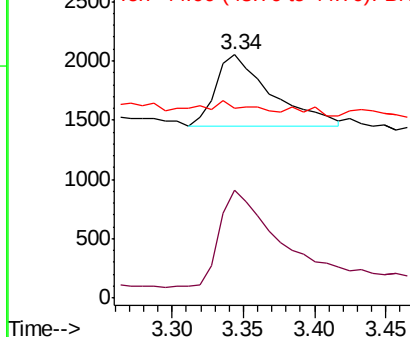
Lab File: BN007222.D

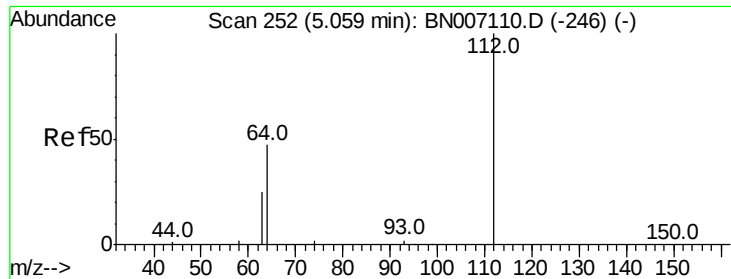
Acq: 16 Aug 2019 14:36

Tgt Ion:	42	Resp:	1617
Ion	Ratio	Lower	Upper
42	100		
74	148.1	110.6	166.0
44	11.5	0.0	0.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#3

2-Fluorophenol

Concen: 0.419 ng

RT: 5.05 min Scan# 251

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

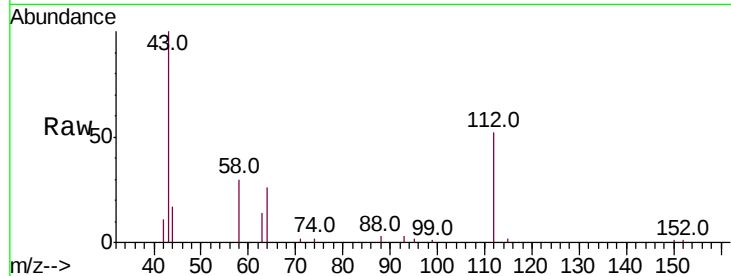
Instrument :

BNA_N

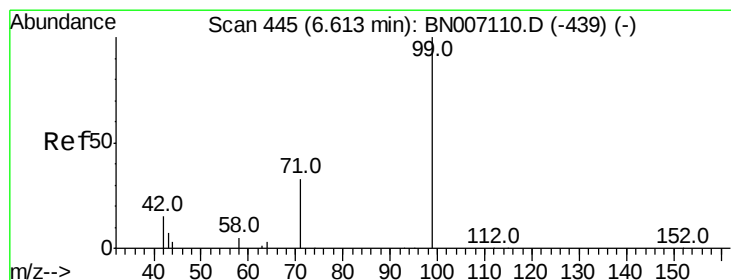
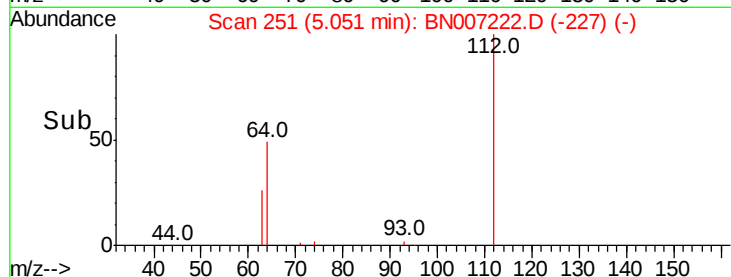
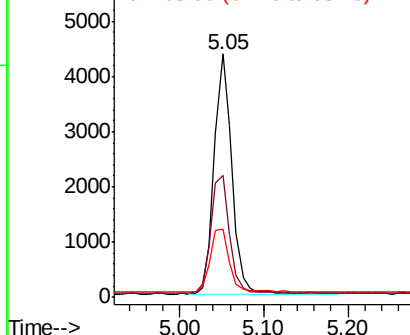
ClientSampled :

Tot Ion:	112	Resp:	6328
Ion Ratio	Lower	Upper	
112	100		
64	51.1	42.6	63.8
63	28.0	22.2	33.2

Manual Integrations
APPROVED



Abundance Ion 112.00 (111.70 to 112.70): BNC
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC



#4

Phenol-d6

Concen: 0.427 ng

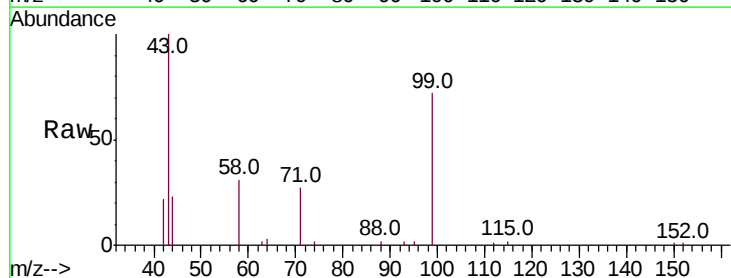
RT: 6.61 min Scan# 444

Delta R.T. -0.01 min

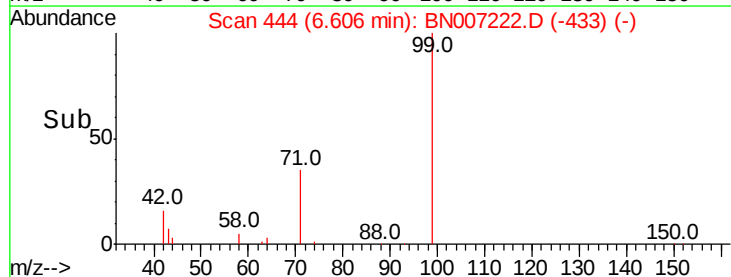
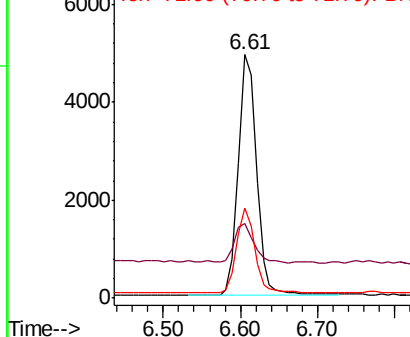
Lab File: BN007222.D

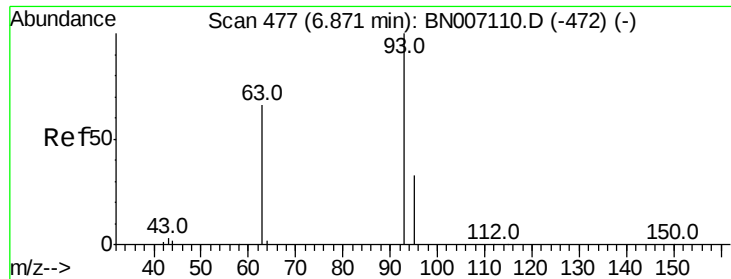
Acq: 16 Aug 2019 14:36

Tgt Ion:	99	Resp:	7979
Ion Ratio	Lower	Upper	
99	100		
42	17.1	15.8	23.6
71	34.8	27.0	40.4



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





#5

bis(2-Chloroethyl)ether

Concen: 0.378 ng

RT: 6.86 min Scan# 475

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

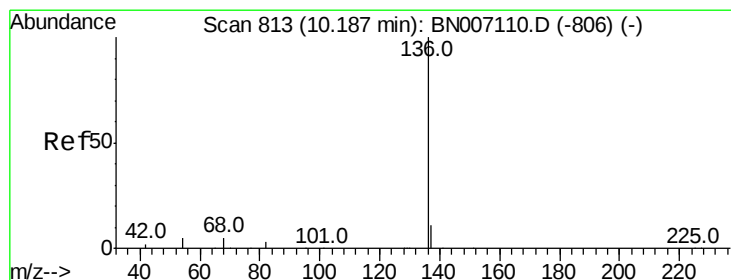
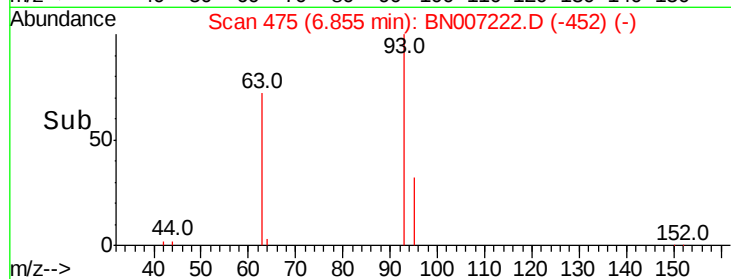
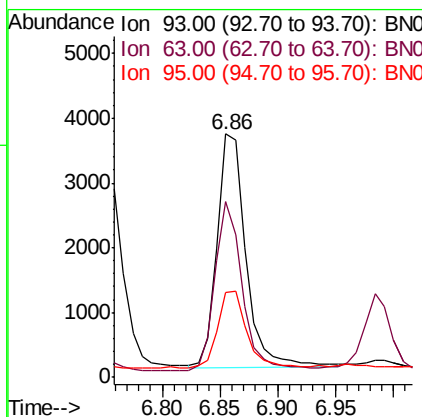
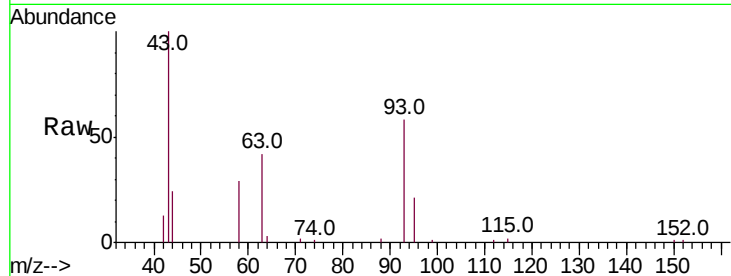
Instrument :

BNA_N

ClientSampled :

Tot Ion:	93	Resp:	6241
Ion	Ratio	Lower	Upper
93	100		
63	68.7	55.6	83.4
95	32.8	26.7	40.1

Manual Integrations
APPROVED



#6

Naphthalene-d8

Concen: 0.400 ng

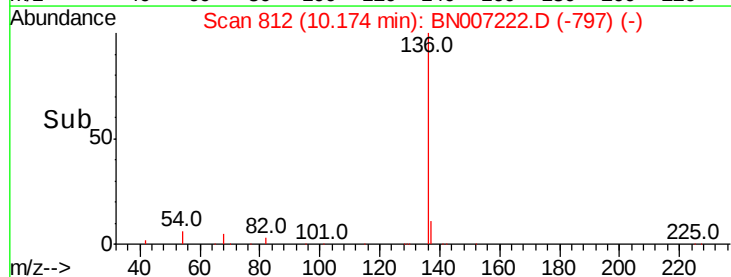
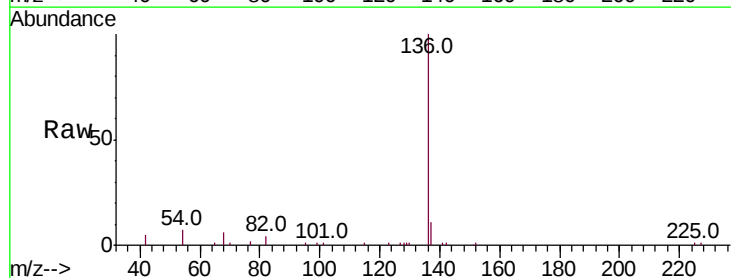
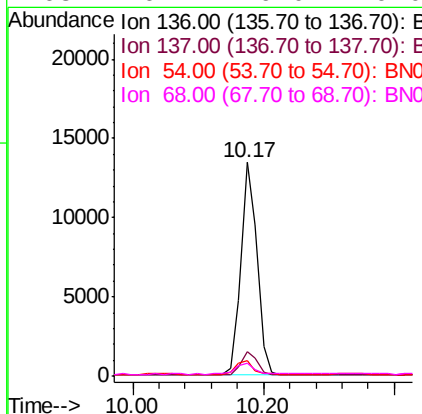
RT: 10.17 min Scan# 812

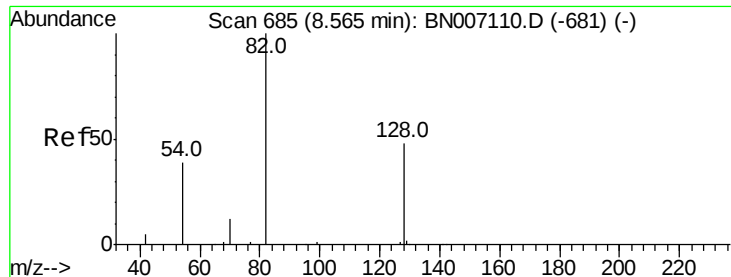
Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Tgt Ion:	136	Resp:	22993
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.9	6.6	9.8
68	6.2	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.328 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

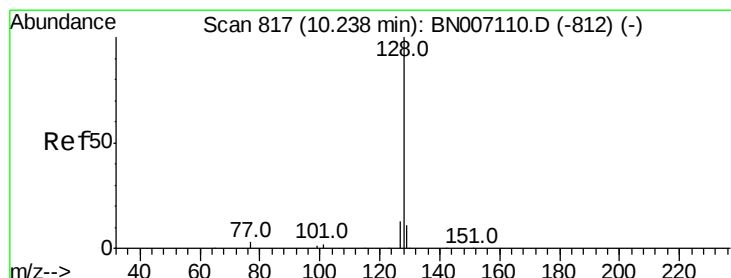
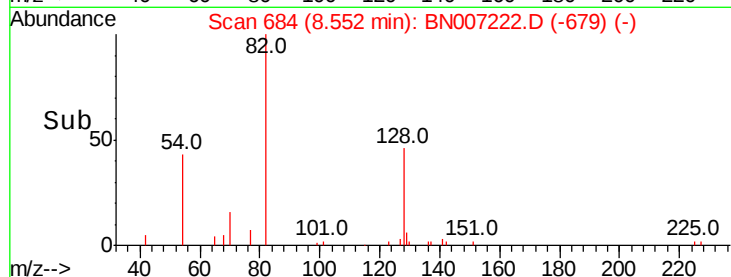
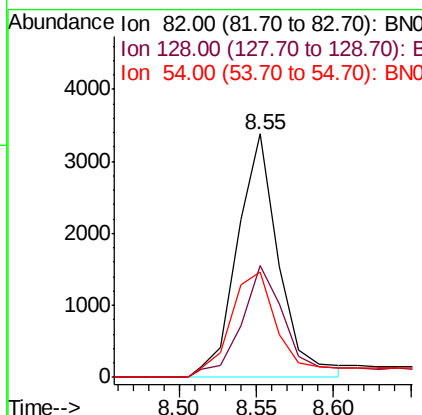
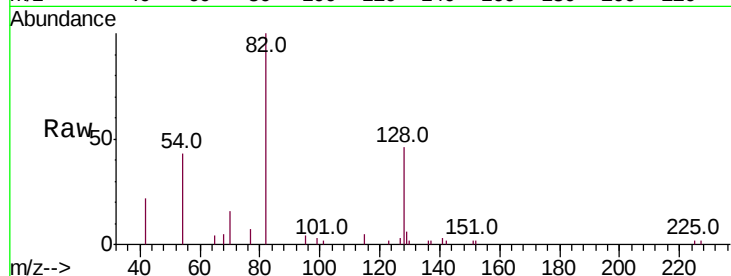
Instrument :

BNA_N

ClientSampleId :

Tot Ion:	82	Resp:	6090
Ion Ratio	Lower	Upper	
82	100		
128	45.7	34.6	51.8
54	43.4	36.2	54.4

Manual Integrations
APPROVED



#8

Naphthalene

Concen: 0.355 ng

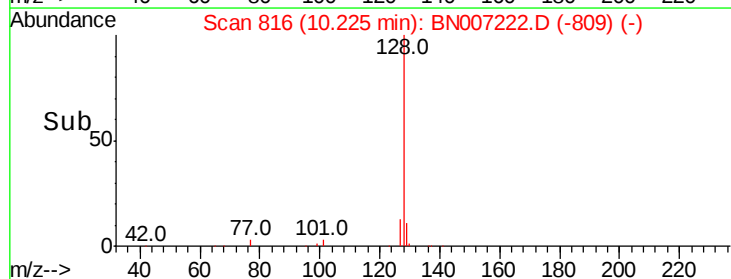
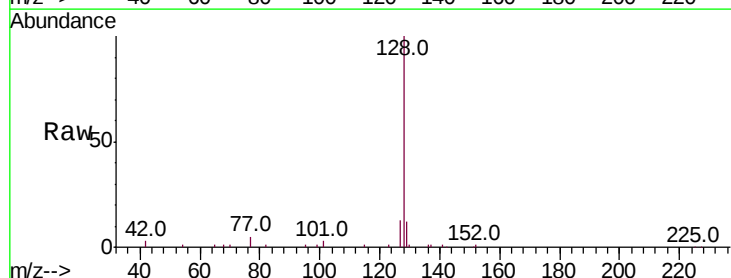
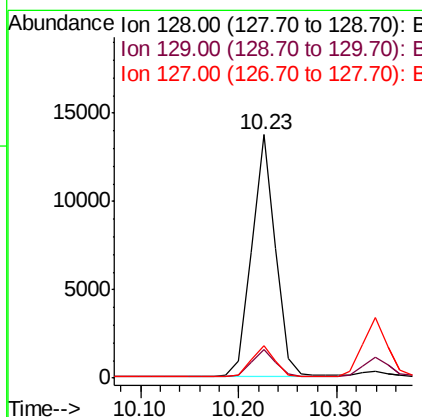
RT: 10.23 min Scan# 816

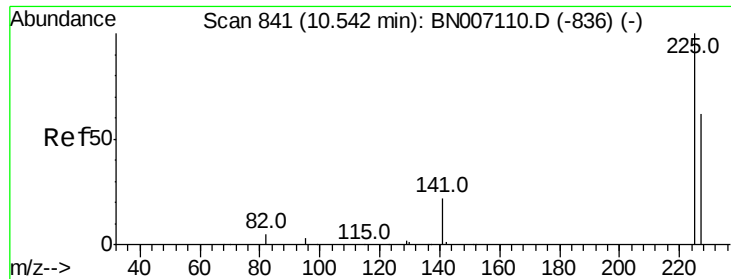
Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Tgt Ion:	128	Resp:	22887
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.4	14.2
127	13.5	11.0	16.6





#9

Hexachlorobutadiene

Concen: 0.349 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.03 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

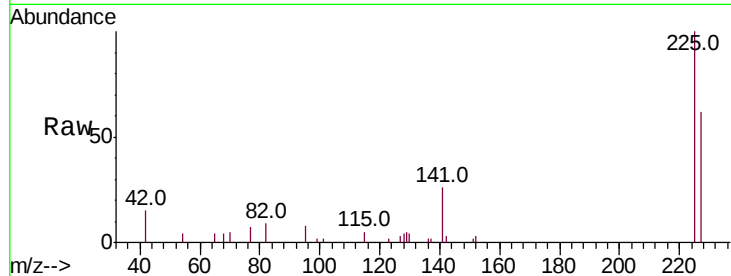
Instrument :

BNA_N

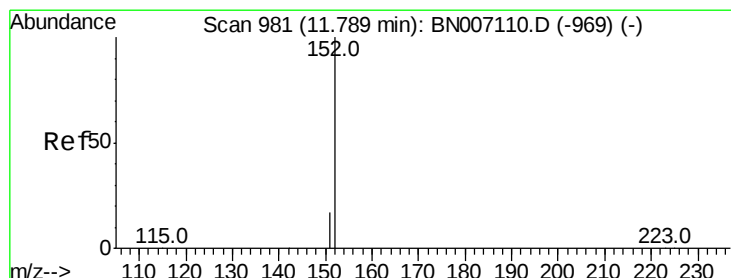
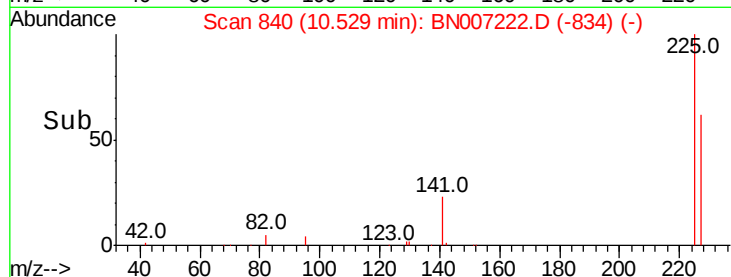
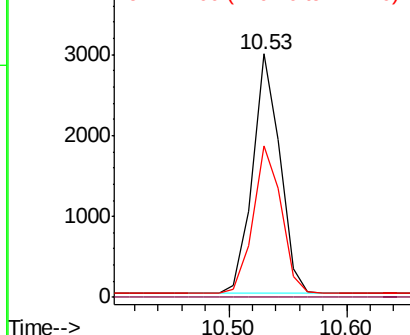
ClientSampleId :

Tot Ion:	225	Resp:	4794
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	63.3	51.1	76.7

Manual Integrations
APPROVED



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



#10

2-Methylnaphthalene-d10

Concen: 0.341 ng m

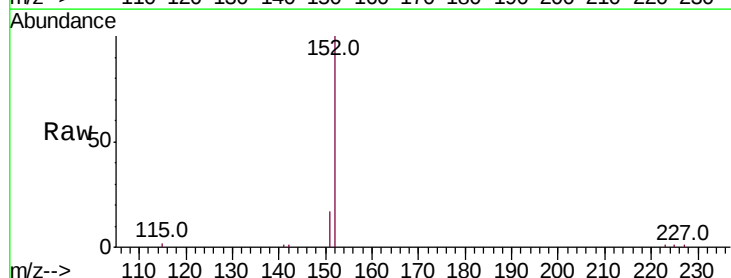
RT: 11.78 min Scan# 978

Delta R.T. -0.02 min

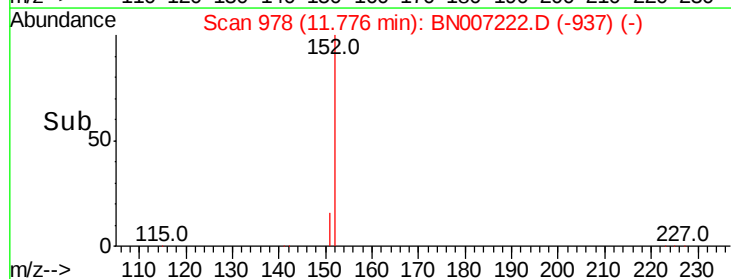
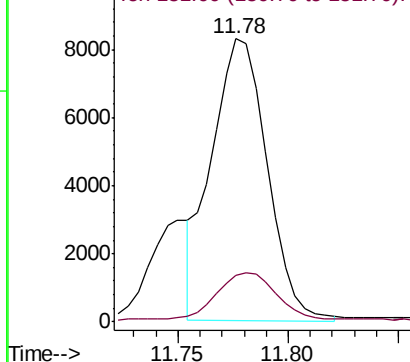
Lab File: BN007222.D

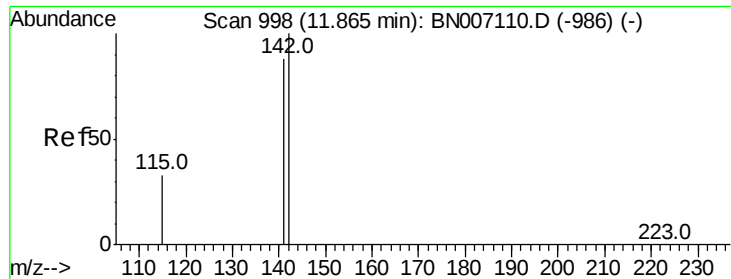
Acq: 16 Aug 2019 14:36

Tgt Ion:	152	Resp:	14602
Ion Ratio	Lower	Upper	
152	100		
151	18.0	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E



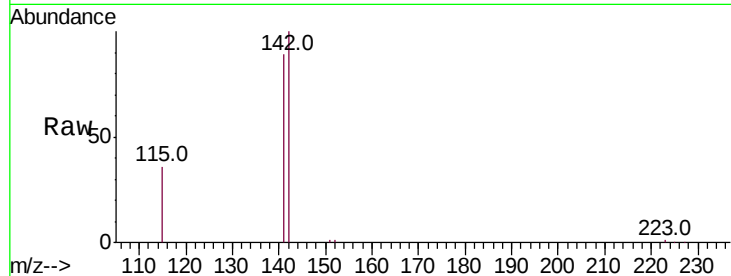


#11
2-Methylnaphthalene
Concen: 0.361 ng
RT: 11.85 min Scan# 995
Delta R.T. -0.02 min
Lab File: BN007222.D
Acq: 16 Aug 2019 14:36

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.0	103.6
115	35.7	27.1	40.7

Manual Integrations
APPROVED

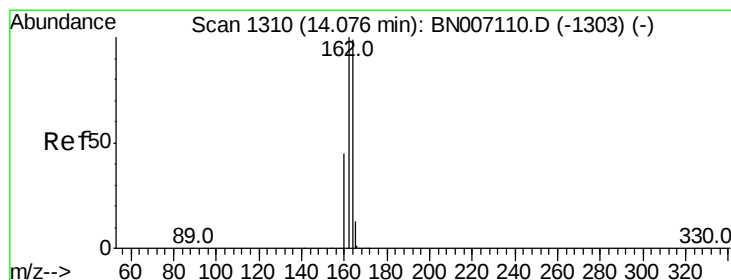
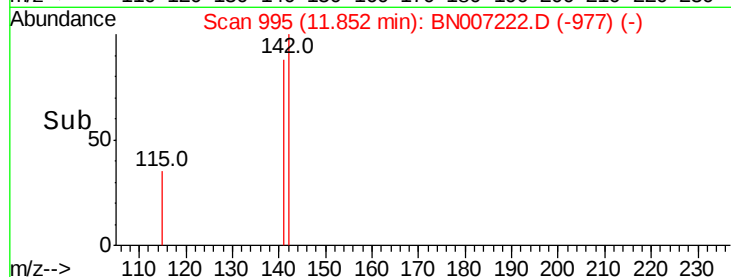
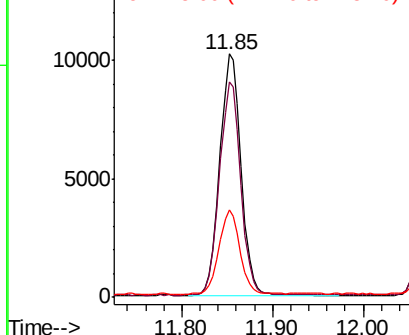


Abundance

Ion 142.00 (141.70 to 142.70): E

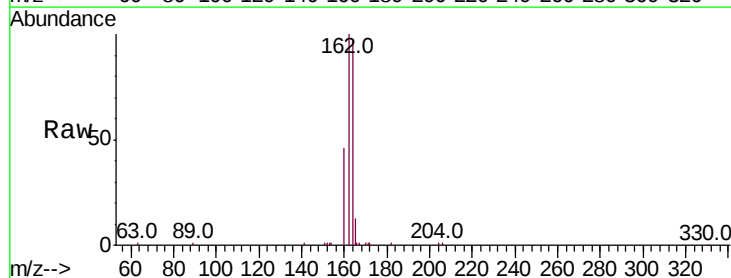
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007222.D
Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.4
160	47.2	38.3	57.5

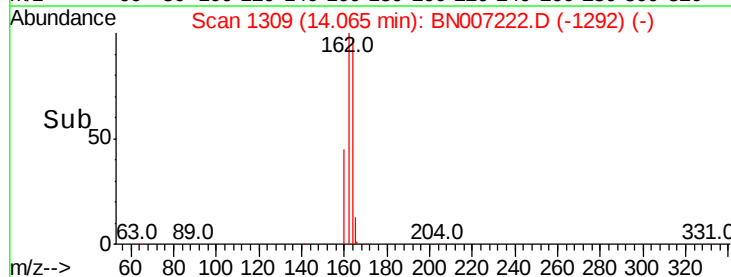
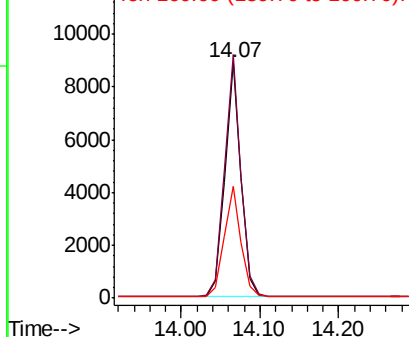


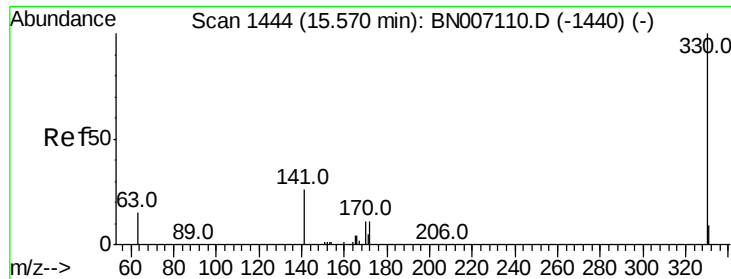
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



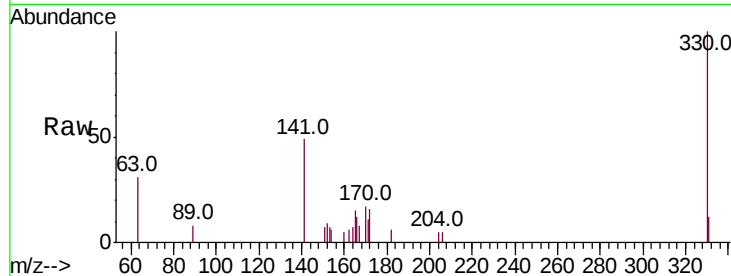


#13
 2,4,6-Tribromophenol
 Concen: 0.313 ng
 RT: 15.56 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

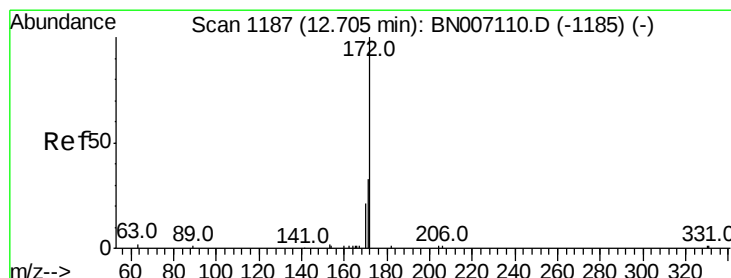
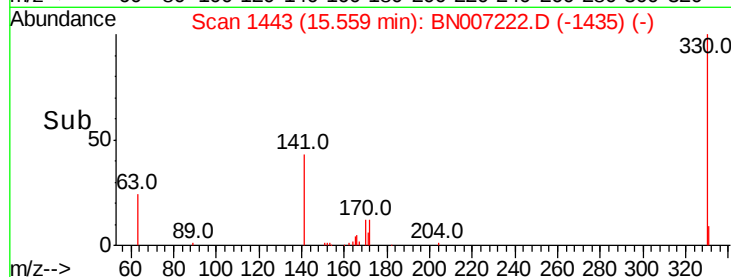
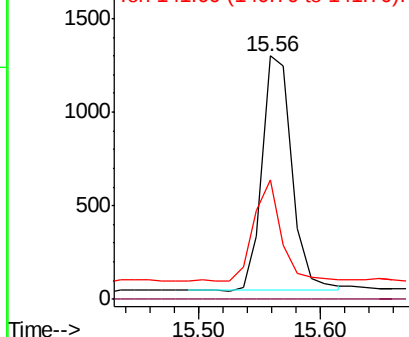
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.1	33.6	50.4

Manual Integrations
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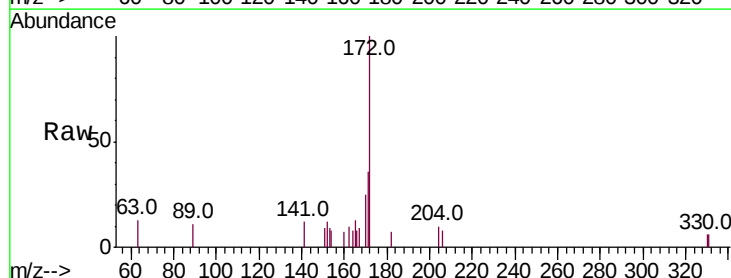


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

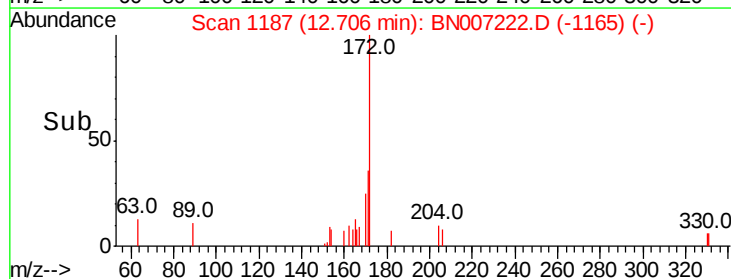
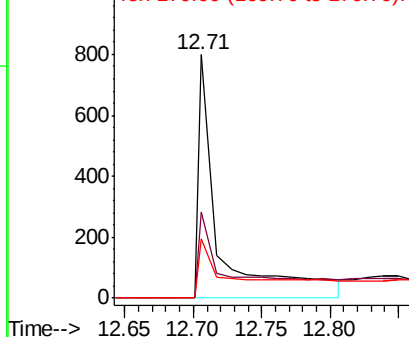


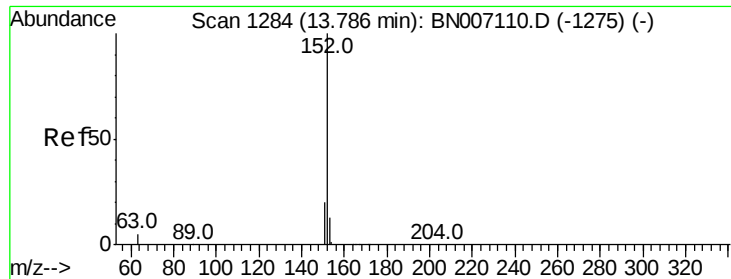
#14
 2-Fluorobiphenyl
 Concen: 0.048 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.3	39.5
170	24.5	17.0	25.4



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





#15

Acenaphthylene

Concen: 0.375 ng

RT: 13.78 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

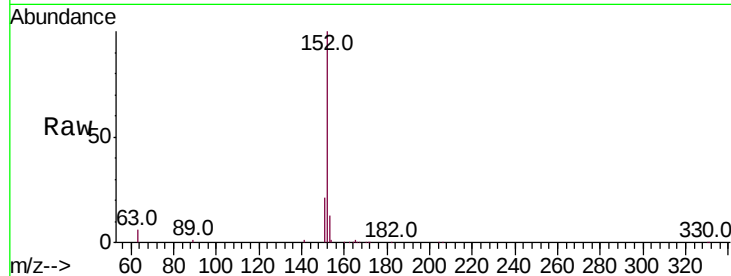
Instrument :

BNA_N

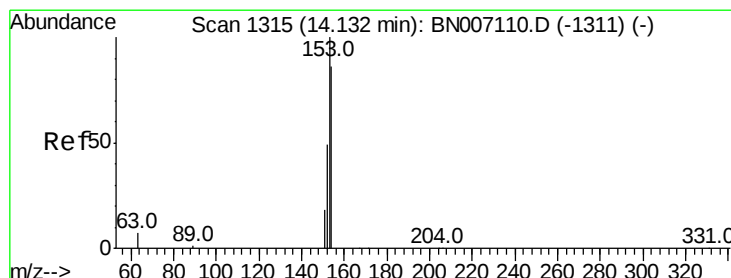
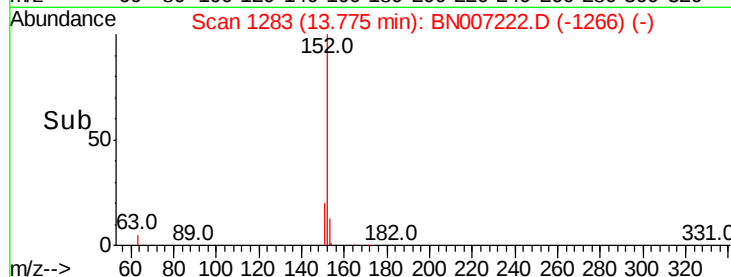
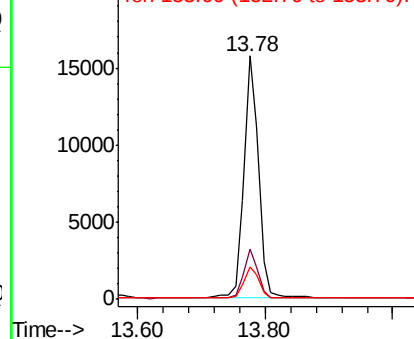
ClientSampleId :

Tot Ion:	152	Resp:	25082
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.8	23.6
153	13.2	10.4	15.6

Manual Integrations
APPROVED



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.362 ng

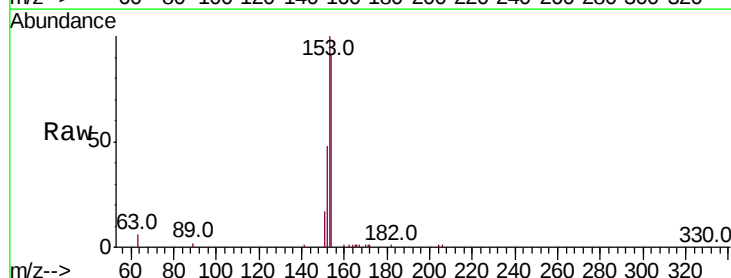
RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

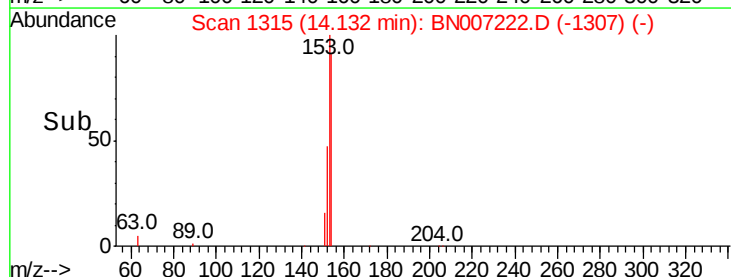
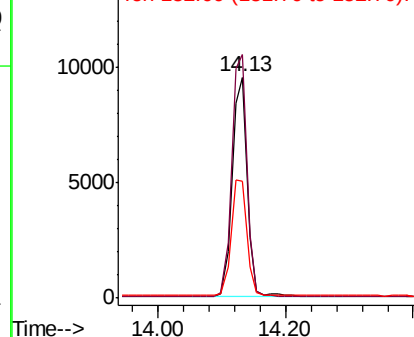
Lab File: BN007222.D

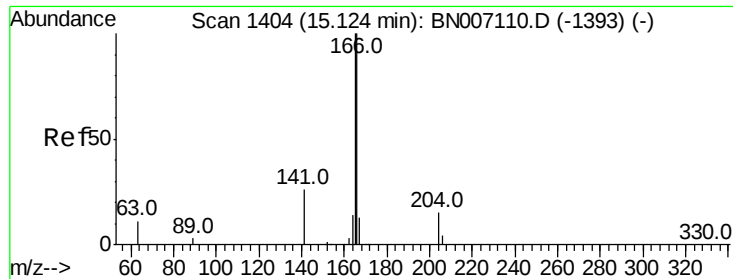
Acq: 16 Aug 2019 14:36

Tgt Ion:	154	Resp:	15498
Ion Ratio	Lower	Upper	
154	100		
153	111.3	89.5	134.3
152	55.2	44.8	67.2



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



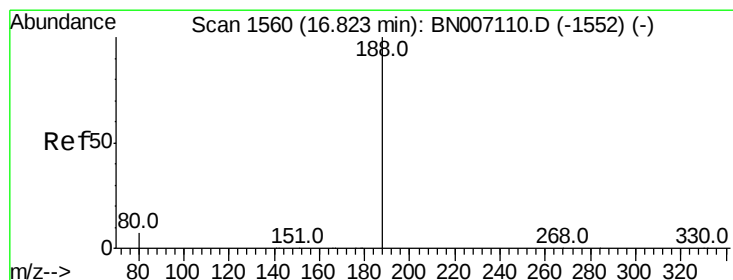
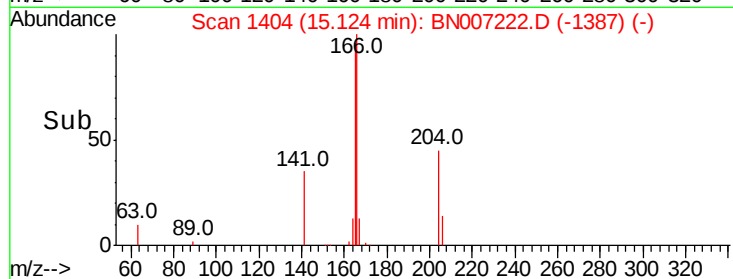
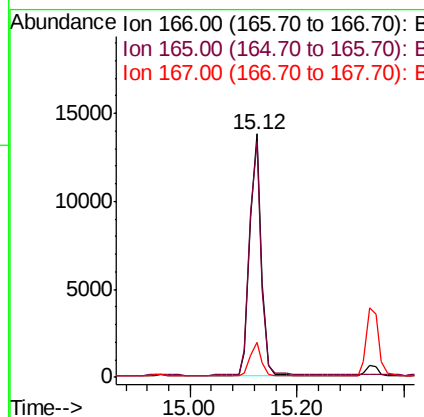
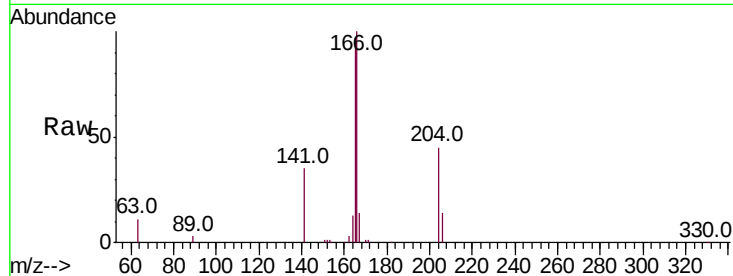


#17
Fluorene
 Concen: 0.320 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Instrument :
 BNA_N
 ClientSampleId :

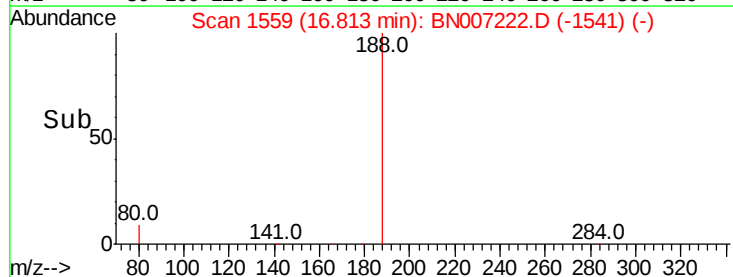
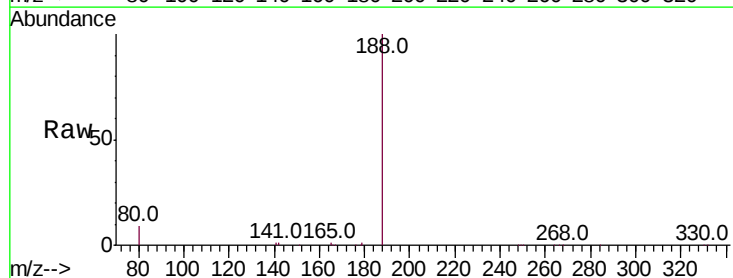
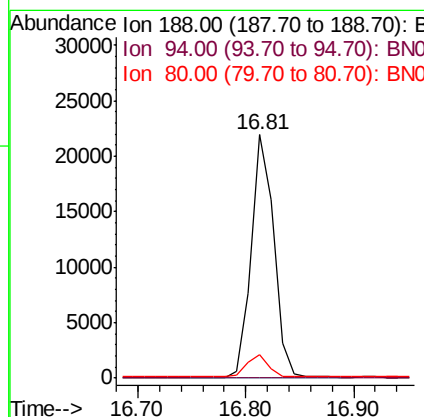
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.9	116.9
167	13.3	10.9	16.3

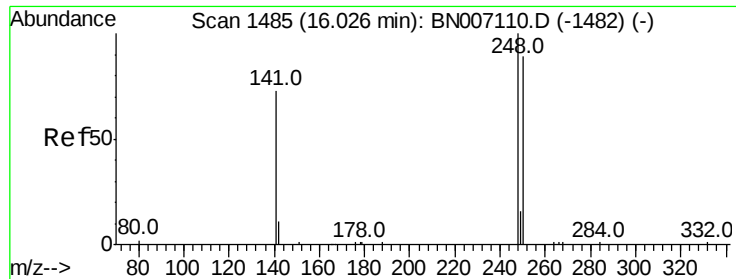
Manual Integrations
 APPROVED



#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.81 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.8	11.6



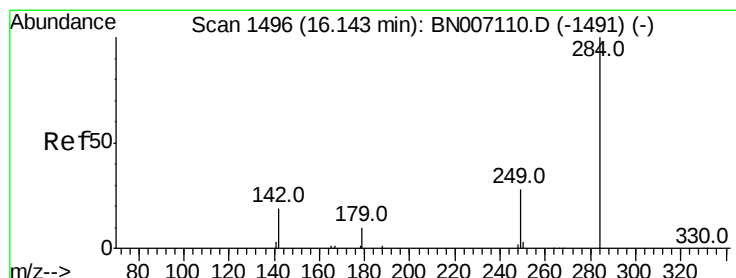
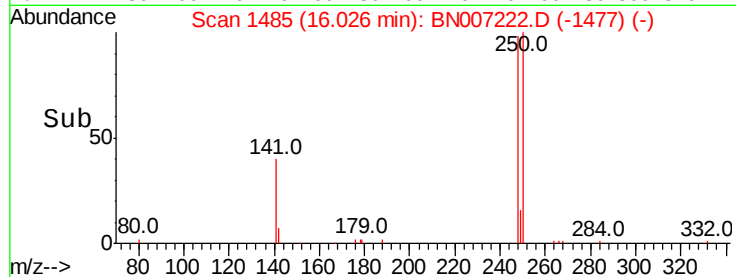
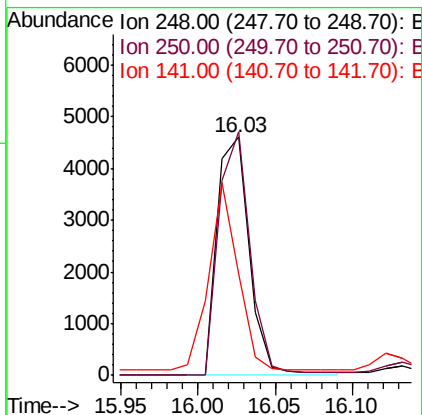
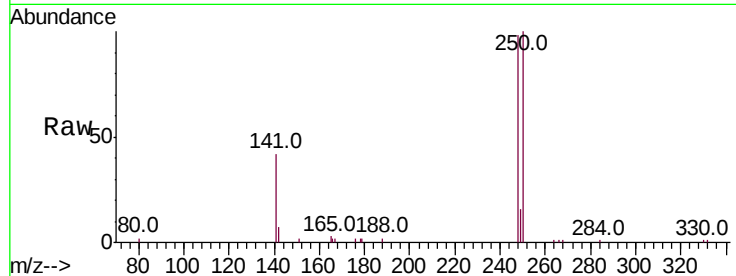


#19
4-Bromophenyl-phenylether
Concen: 0.342 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007222.D
Acq: 16 Aug 2019 14:36

Instrument :
BNA_N
ClientSampleId :

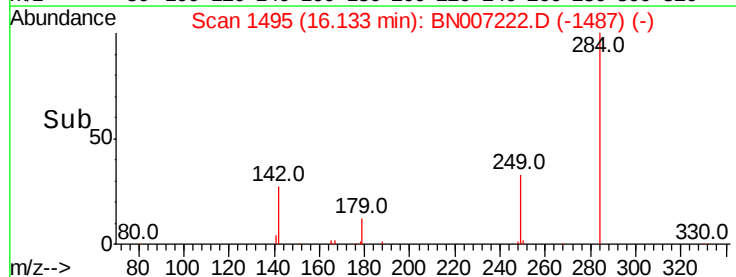
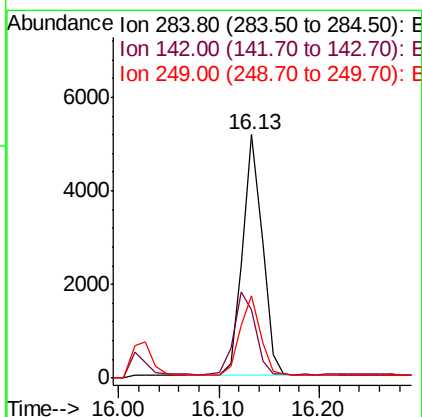
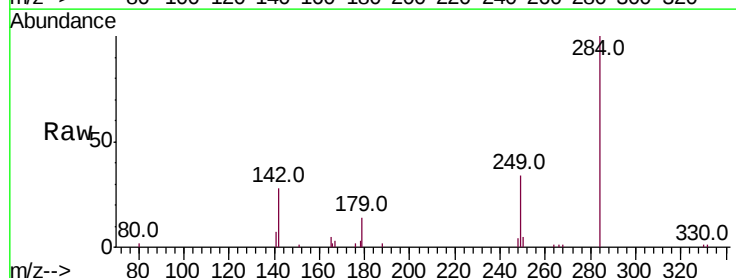
Tot Ion	Ratio	Lower	Upper
248	100		
250	102.1	78.9	118.3
141	42.5	43.3	64.9

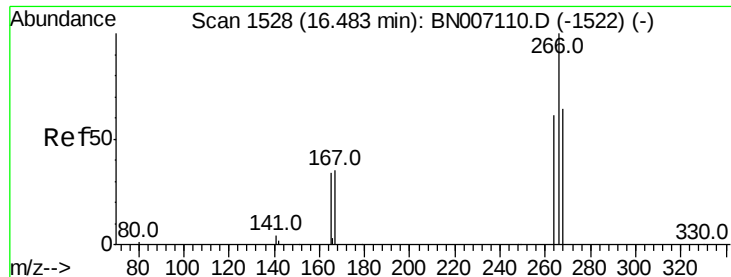
Manual Integrations
APPROVED



#20
Hexachlorobenzene
Concen: 0.373 ng
RT: 16.13 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BN007222.D
Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.8	30.5	45.7
249	33.5	26.7	40.1



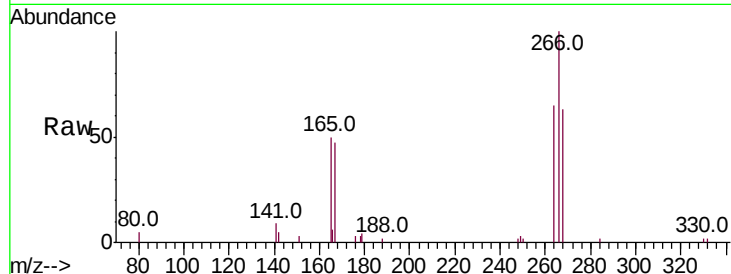


#21
 Pentachlorophenol
 Concen: 0.668 ng
 RT: 16.47 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
264	65.3	52.3	78.5
268	63.3	51.5	77.3

Manual Integrations
 APPROVED

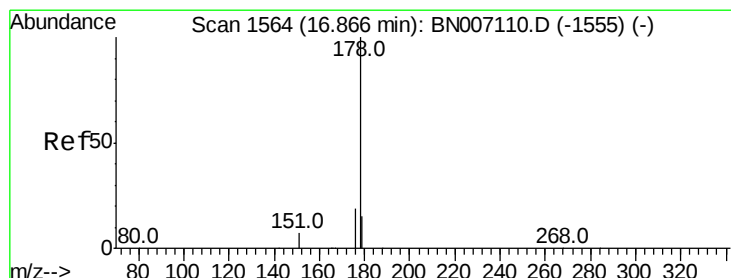
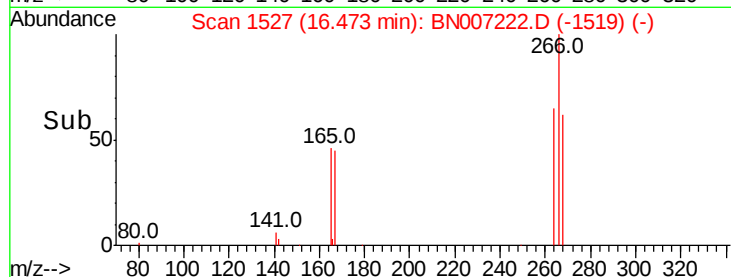
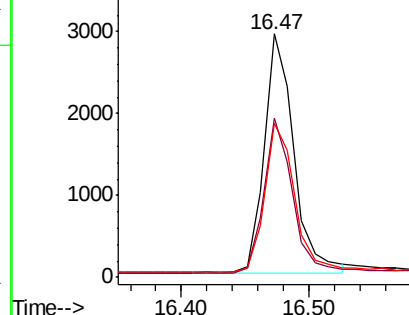


Abundance

Ion 266.00 (265.70 to 266.70): E

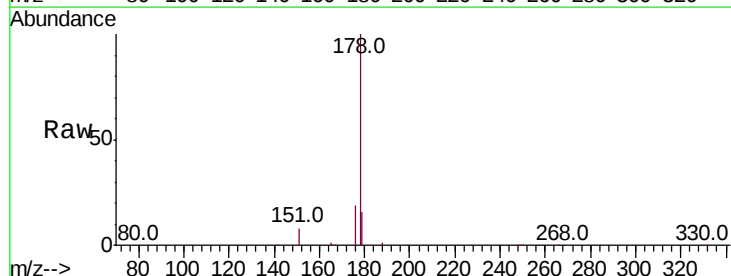
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#22
 Phenanthrene
 Concen: 0.370 ng
 RT: 16.86 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.3	12.3	18.5

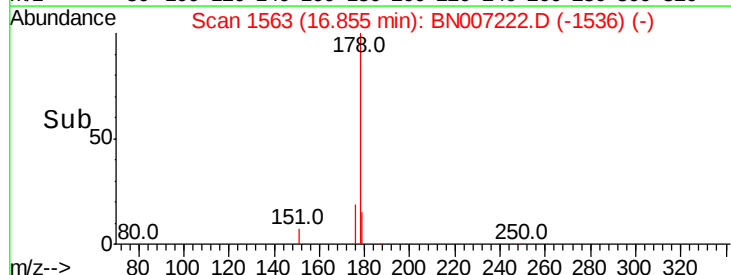
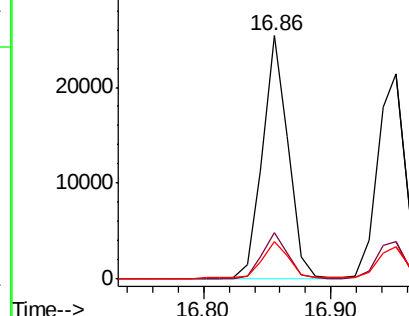


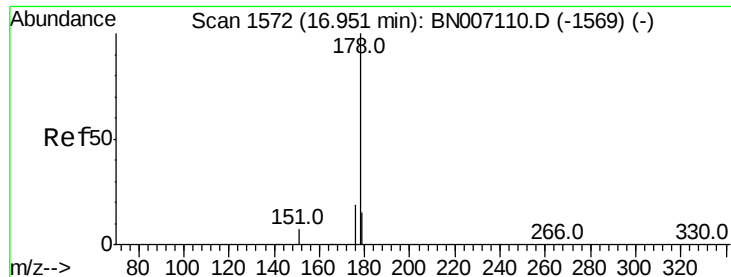
Abundance

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



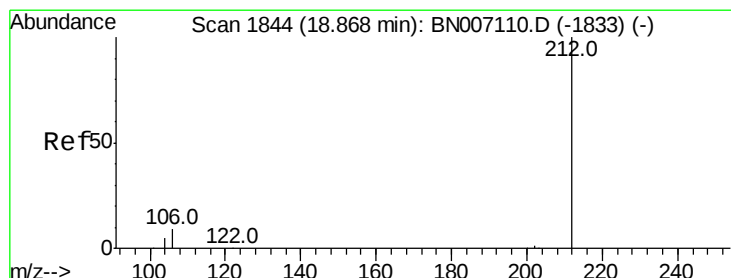
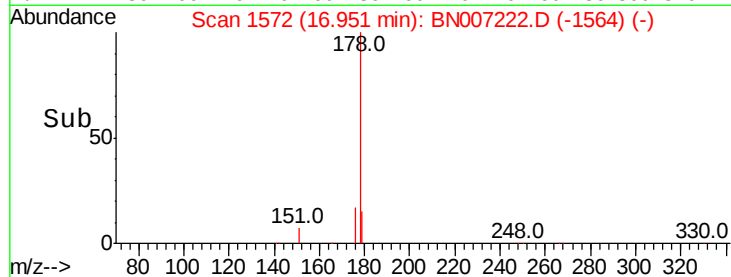
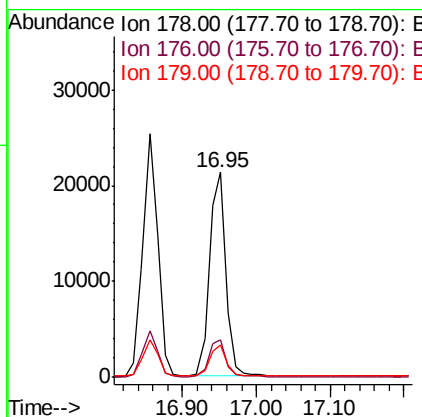
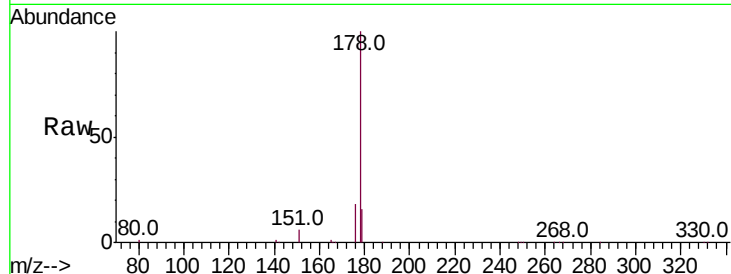


#23
 Anthracene
 Concen: 0.377 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Instrument :
 BNA_N
 ClientSampleId :

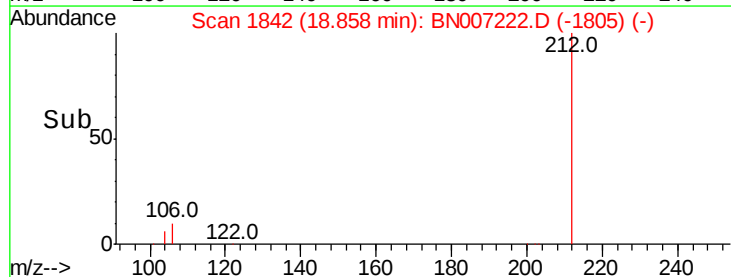
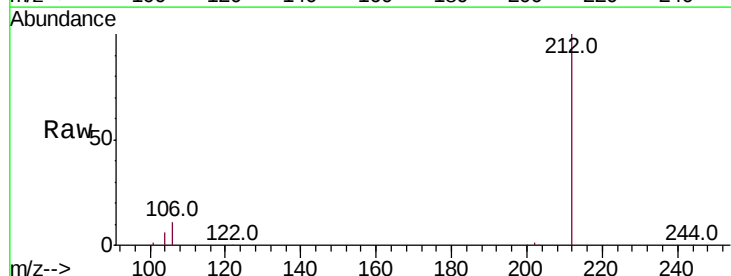
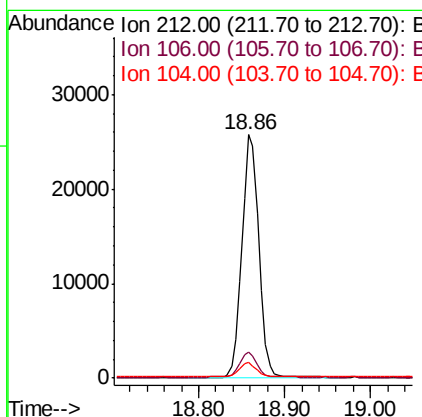
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.5	12.5	18.7

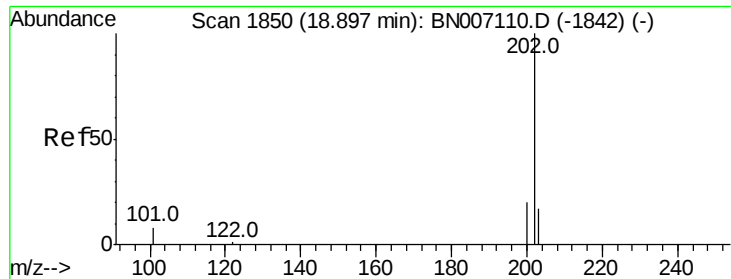
Manual Integrations
 APPROVED



#24
 Fluoranthene-d10
 Concen: 0.311 ng
 RT: 18.86 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.2
104	5.8	4.5	6.7





#25

Fluoranthene

Concen: 0.358 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

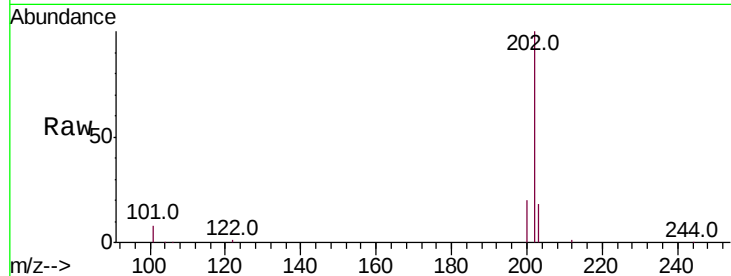
Instrument :

BNA_N

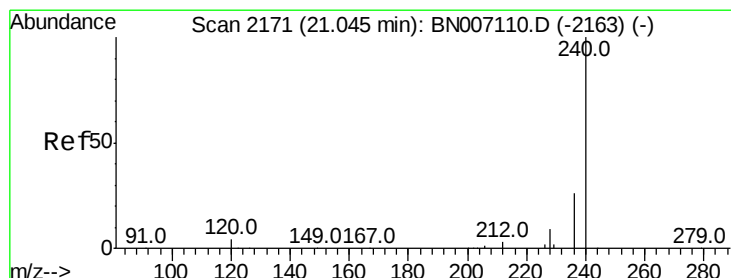
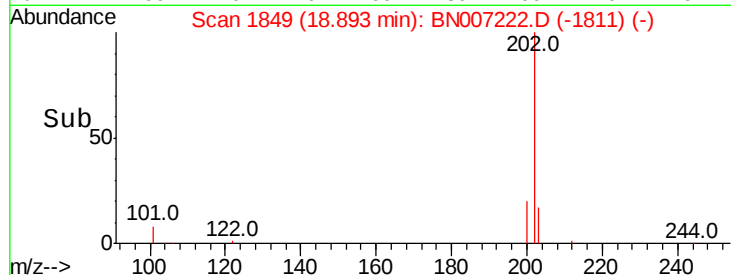
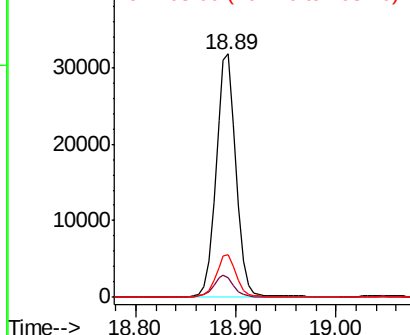
ClientSampleId :

Tot Ion:	202	Resp:	43558
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.0	10.4
203	17.2	13.8	20.8

Manual Integrations
APPROVED



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



#26

Chrysene-d12

Concen: 0.400 ng

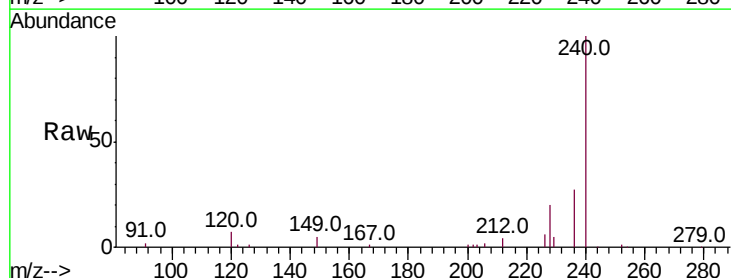
RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

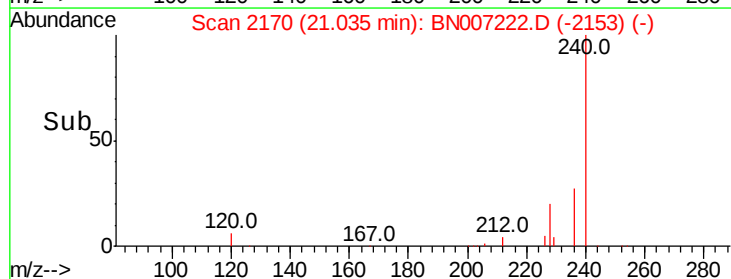
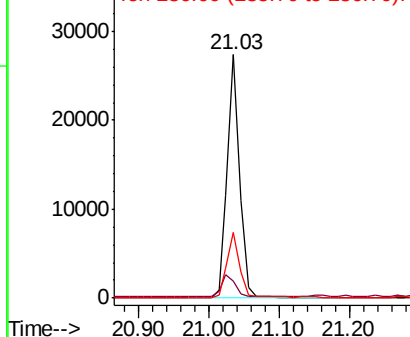
Lab File: BN007222.D

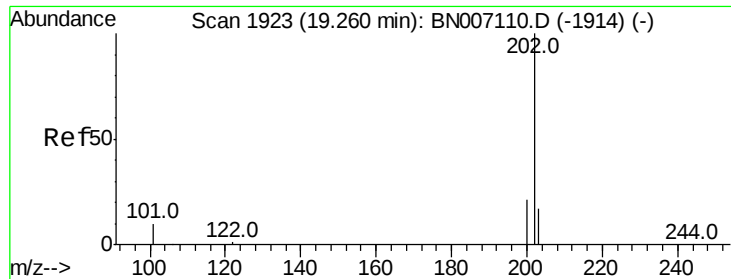
Acq: 16 Aug 2019 14:36

Tgt Ion:	240	Resp:	33331
Ion Ratio	Lower	Upper	
240	100		
120	7.1	4.0	6.0#
236	26.9	21.3	31.9



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



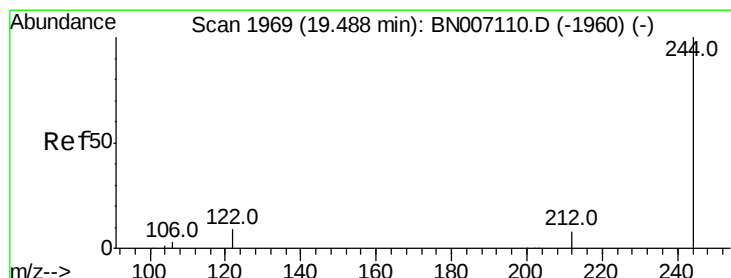
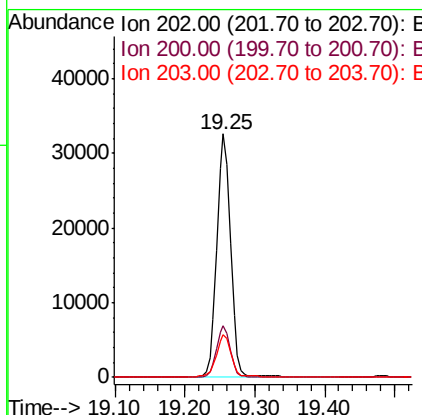
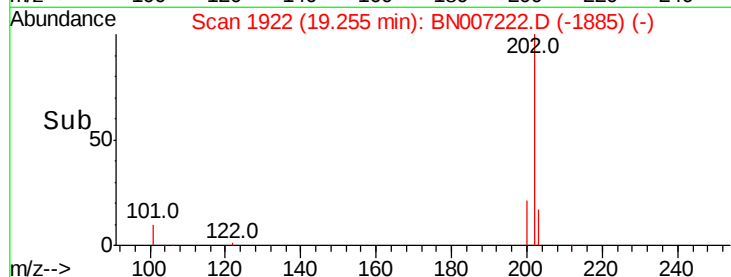
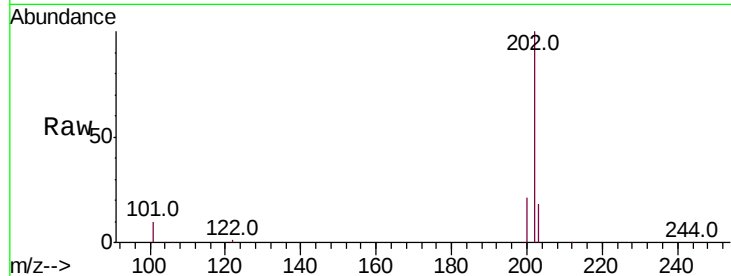


#27
 Pvrene
 Concen: 0.378 ng
 RT: 19.25 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Instrument :
 BNA_N
 ClientSampleId :

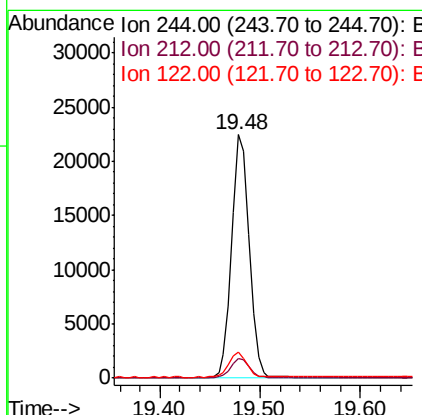
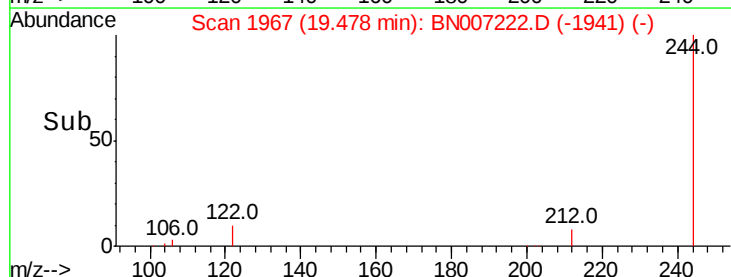
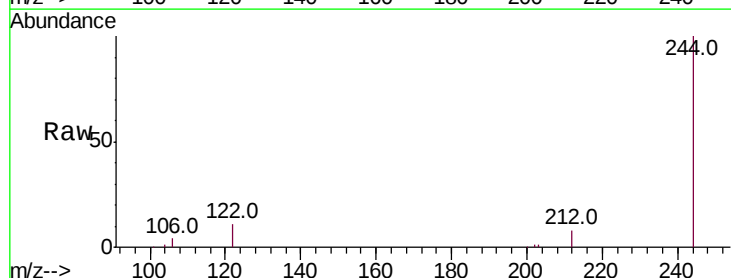
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	18.0	14.0	21.0

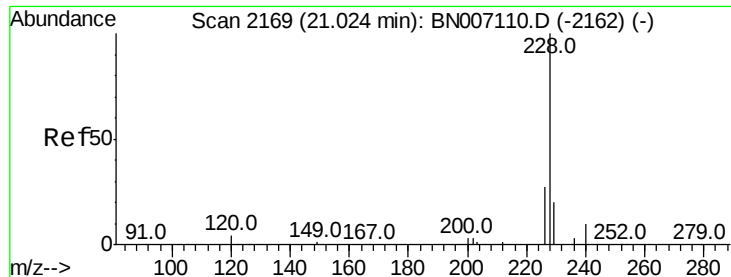
Manual Integrations
 APPROVED



#28
 Terphenyl-d14
 Concen: 0.295 ng
 RT: 19.48 min Scan# 1967
 Delta R.T. -0.02 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	10.6	7.4	11.2



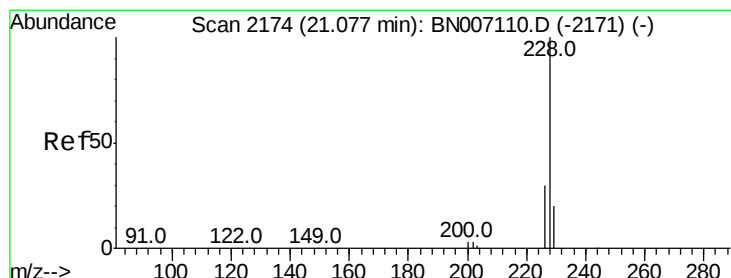
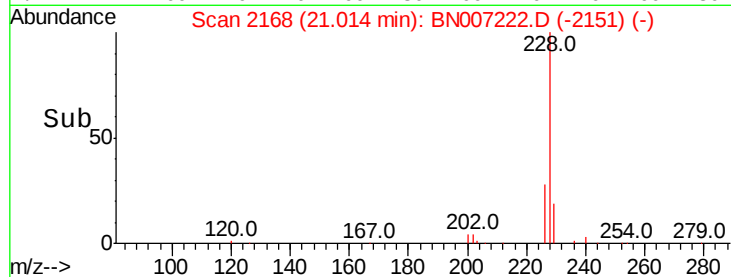
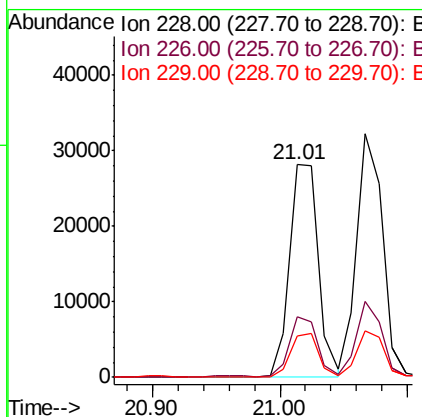
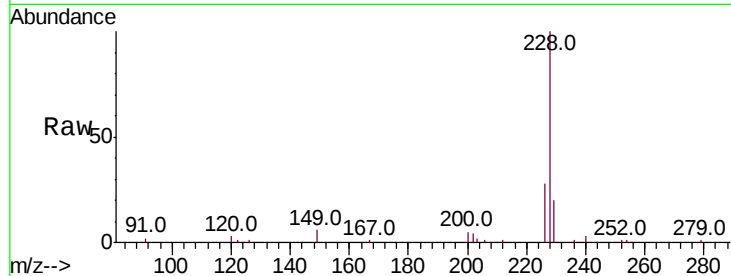


#29
Benzo(a)anthracene
Concen: 0.357 ng
RT: 21.01 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BN007222.D
Acq: 16 Aug 2019 14:36

Instrument :
BNA_N
ClientSampleId :

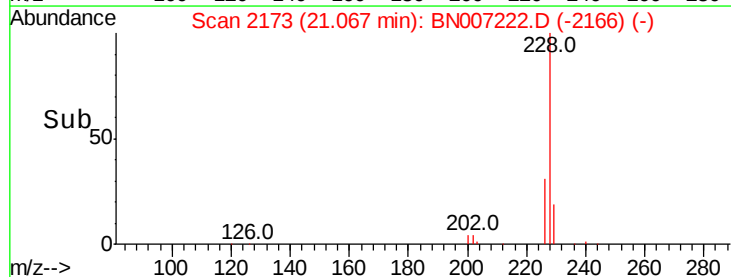
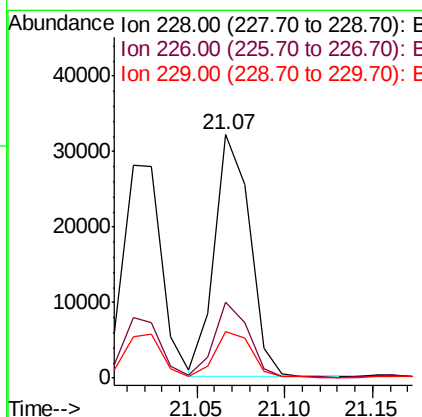
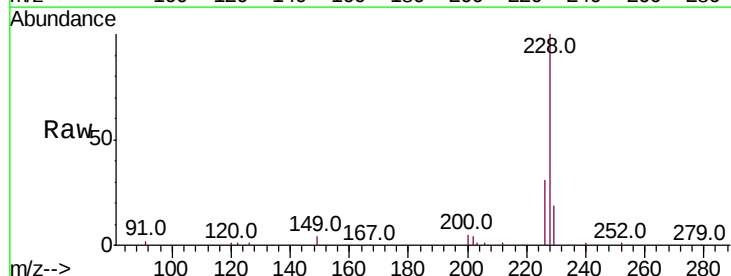
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.6
229	19.6	15.6	23.4

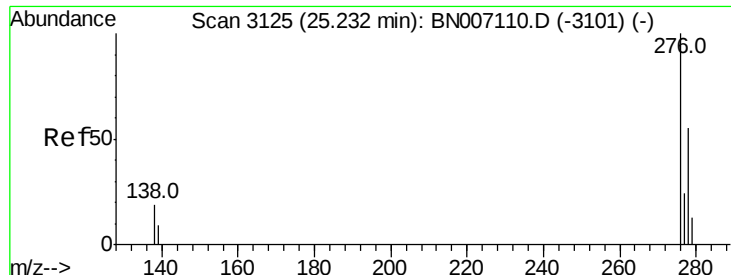
Manual Integrations
APPROVED



#30
Chrysene
Concen: 0.377 ng
RT: 21.07 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BN007222.D
Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.6
229	19.1	15.7	23.5



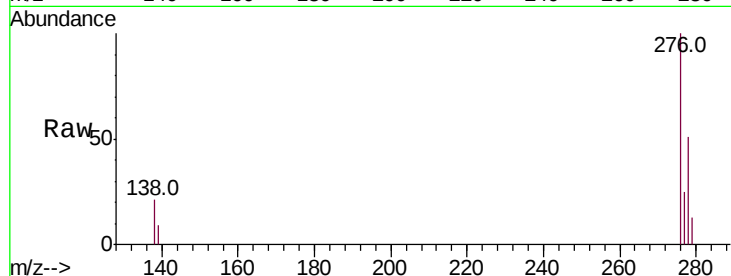


#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.407 ng
 RT: 25.22 min Scan# 3121
 Delta R.T. -0.03 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.0	24.0
277	24.9	19.9	29.9

Manual Integrations
 APPROVED

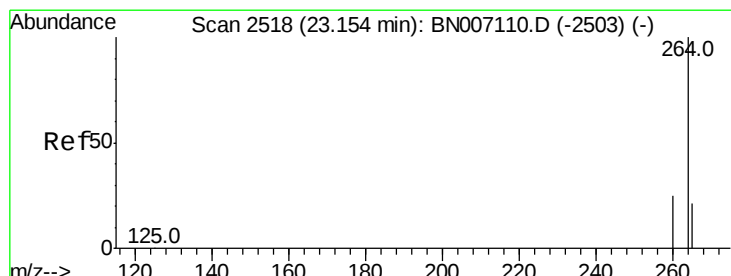
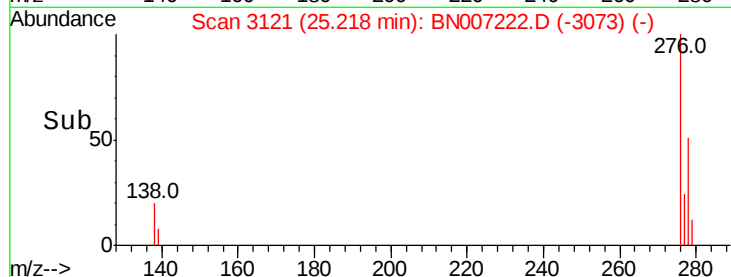
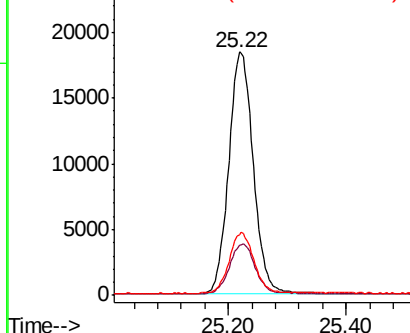


Abundance

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



#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2516
 Delta R.T. -0.02 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

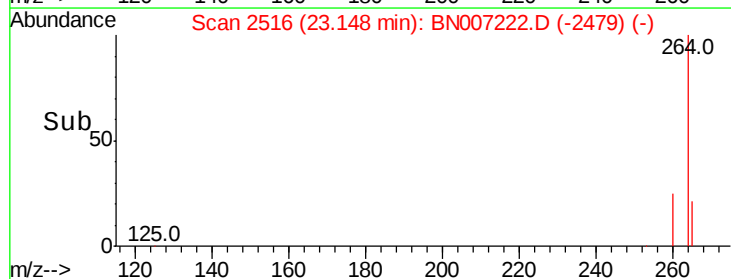
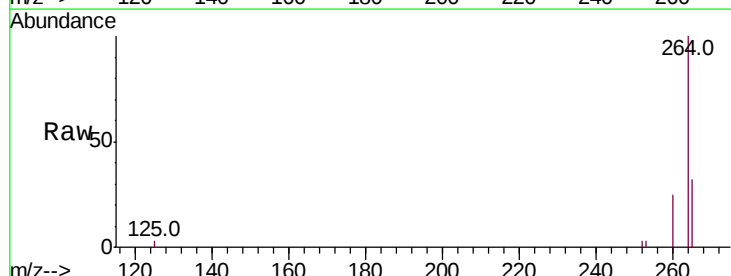
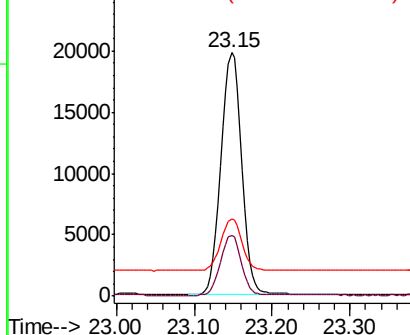
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	31.7	26.2	39.4

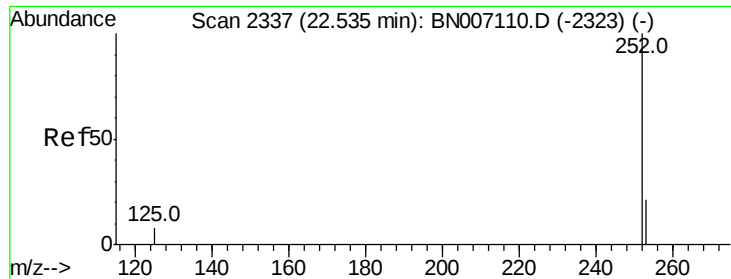
Abundance

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



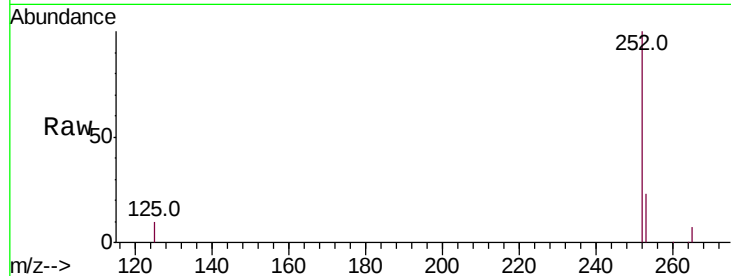


#33
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 22.52 min Scan# 2334
Delta R.T. -0.02 min
Lab File: BN007222.D
Acq: 16 Aug 2019 14:36

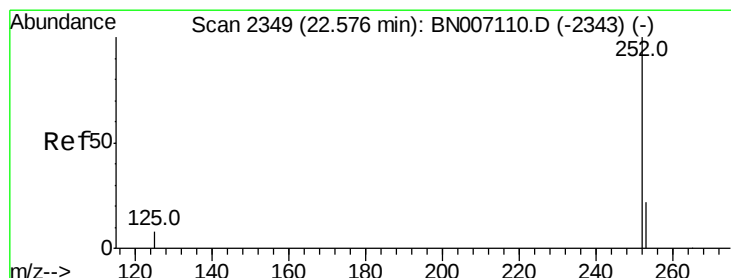
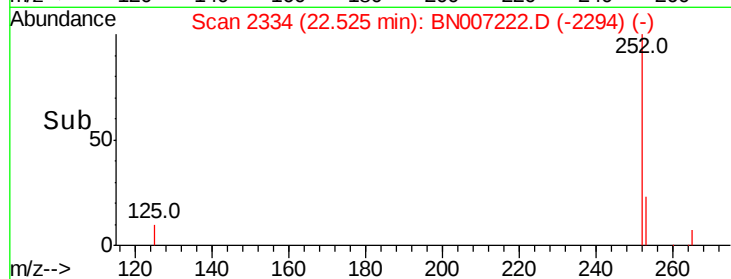
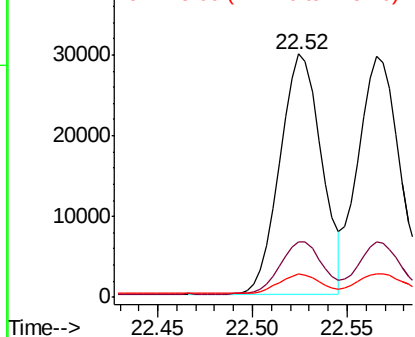
Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	9.6	7.4	11.0

Manual Integrations
APPROVED



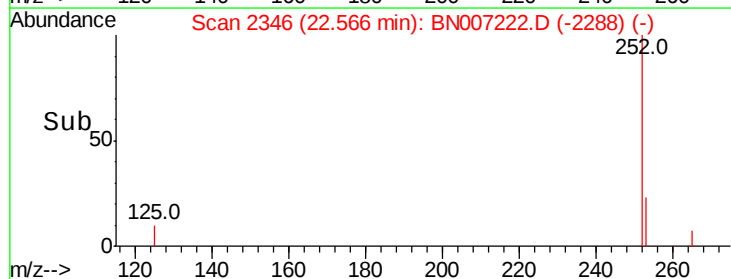
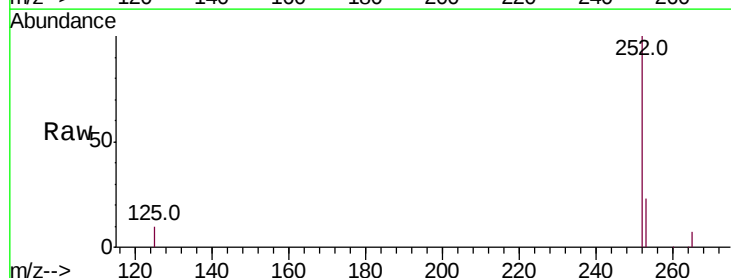
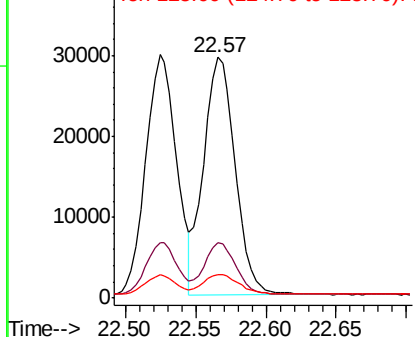
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

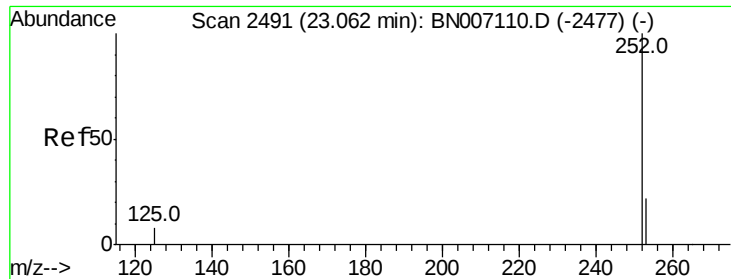


#34
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 22.57 min Scan# 2346
Delta R.T. -0.02 min
Lab File: BN007222.D
Acq: 16 Aug 2019 14:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	9.9	7.4	11.0

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





#35

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.06 min Scan# 2489

Delta R.T. -0.03 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

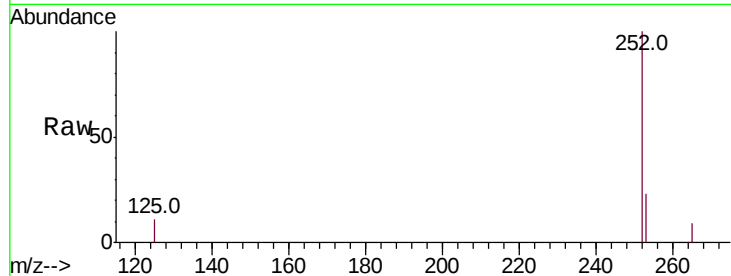
Instrument :

BNA_N

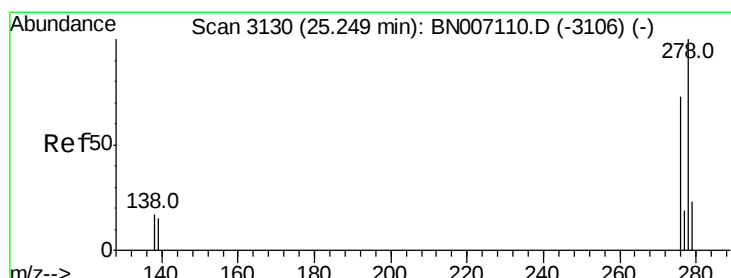
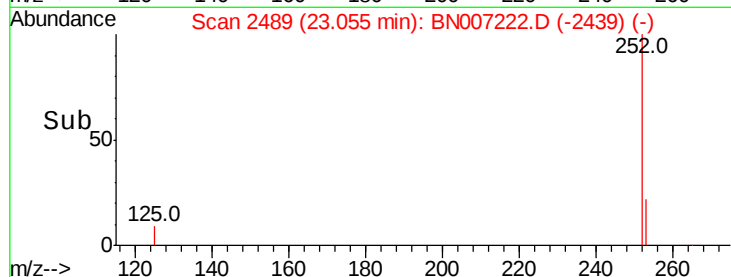
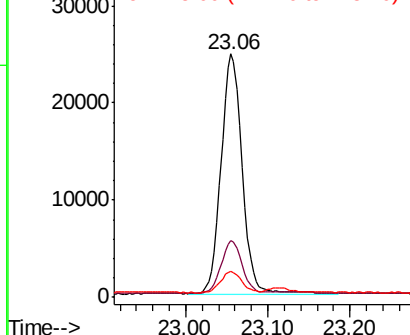
ClientSampleId :

Tot Ion:	252	Resp:	44098
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.5	27.7
125	10.9	8.2	12.4

Manual Integrations
APPROVED



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



#36

Dibenzo(a,h)anthracene

Concen: 0.387 ng

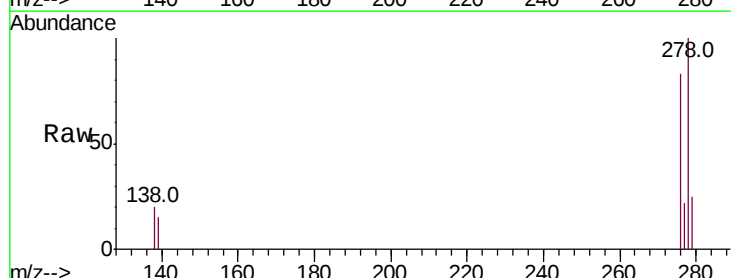
RT: 25.24 min Scan# 3126

Delta R.T. -0.04 min

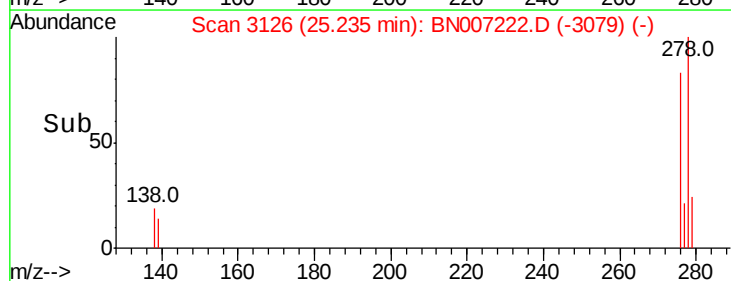
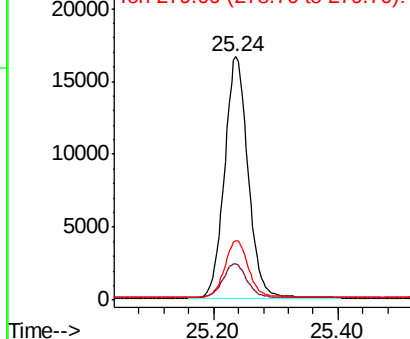
Lab File: BN007222.D

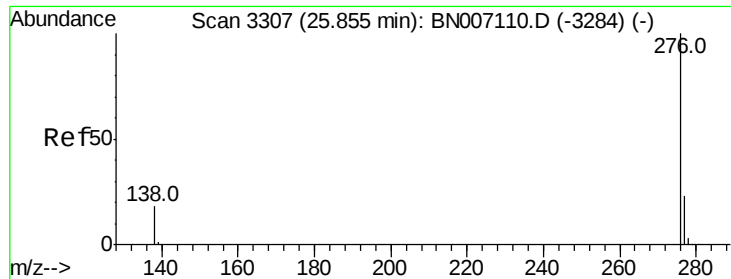
Acq: 16 Aug 2019 14:36

Tgt Ion:	278	Resp:	43716
Ion Ratio	Lower	Upper	
278	100		
139	15.0	11.3	16.9
279	24.6	19.3	28.9



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



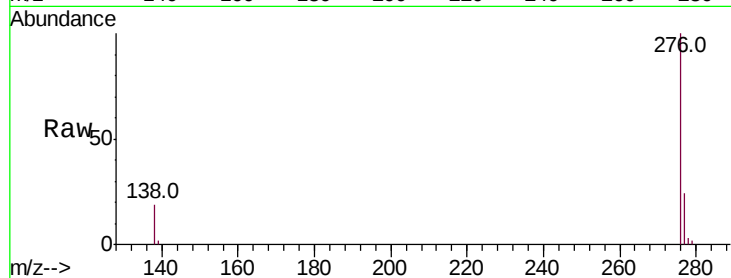


#37
 Benzo(a,h,i)perylene
 Concen: 0.387 ng
 RT: 25.85 min Scan# 3305
 Delta R.T. -0.03 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	18.9	14.6	22.0

Manual Integrations
 APPROVED



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

