

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007348.D
 Acq On : 24 Aug 2019 04:02
 Operator : HP/JU
 Sample : K4470-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S703-N-0.0-0.5-082119

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:59:47 AM

Quant Time: Aug 24 07:57:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 24 00:38:17 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4401	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	18459	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	10206	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	23062	0.40	ng	0.00
27) Chrysene-d12	21.02	240	25710	0.40	ng	0.00
34) Perylene-d12	23.12	264	29845	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	3174	0.19	ng	0.00
5) Phenol-d6	6.60	99	4135	0.20	ng	0.00
8) Nitrobenzene-d5	8.53	82	3328	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	6435	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1246	0.23	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	7703	0.19	ng	0.00
25) Fluoranthene-d10	18.84	212	12902	0.17	ng	0.00
29) Terphenyl-d14	19.46	244	9911	0.15	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	17083	0.324	ng	# 92
12) 2-Methylnaphthalene	11.83	142	7968	0.222	ng	99
16) Acenaphthylene	13.76	152	13466	0.223	ng	98
17) Acenaphthene	14.11	154	84382	2.388	ng	98
18) Fluorene	15.10	166	88676	1.984	ng	99
22) Pentachlorophenol	16.46	266	170	0.035	ng	93
23) Phenanthrene	16.84	178	1955060	28.183	ng	100
24) Anthracene	16.93	178	312279	4.476	ng	# 92
26) Fluoranthene	18.88	202	3732260	41.904	ng	98
28) Pylene	19.24	202	3218769	31.122	ng	# 94
30) Benzo(a)anthracene	21.00	228	1829667	18.121	ng	98
31) Chrysene	21.06	228	1754222	18.000	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	32312m	0.476	ng	
33) Indeno(1,2,3-cd)pyrene	25.19	276	1117106	9.515	ng	98
35) Benzo(b)fluoranthene	22.51	252	2274790m	21.037	ng	
36) Benzo(k)fluoranthene	22.55	252	888738m	8.316	ng	
37) Benzo(a)pyrene	23.04	252	1588906m	15.441	ng	
38) Dibenzo(a,h)anthracene	25.20	278	282460	2.751	ng	96
39) Benzo(g,h,i)perylene	25.82	276	1087487	10.630	ng	96

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

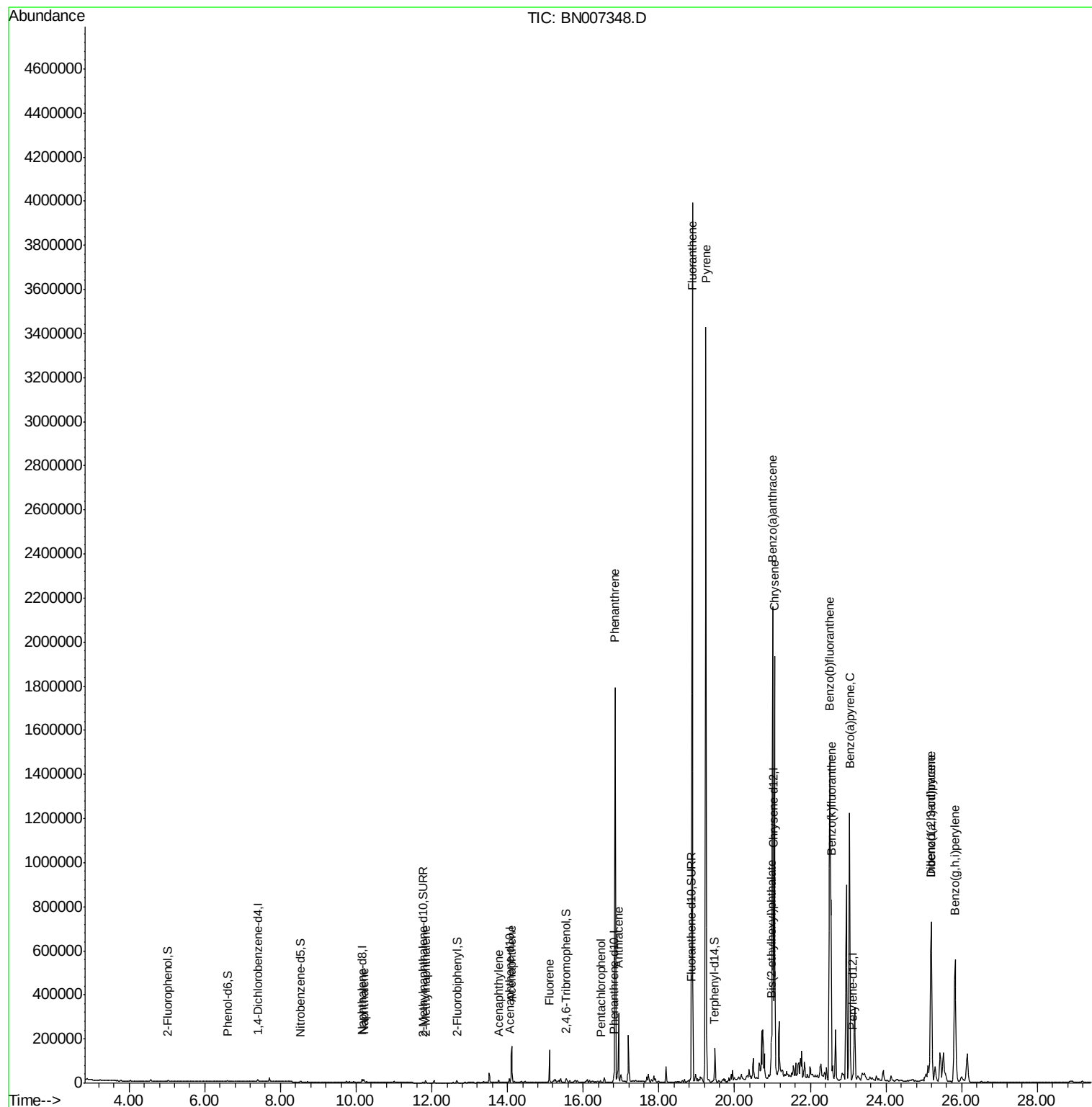
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
Data File : BN007348.D
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Sample : K4470-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

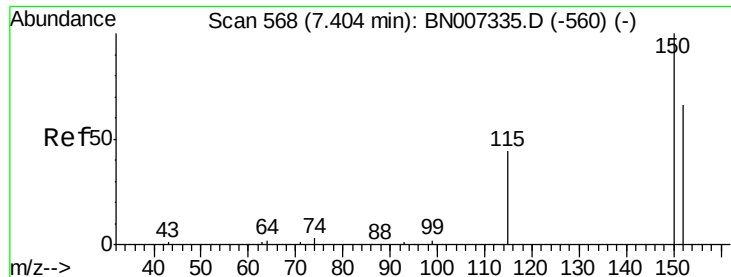
Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Manual Integrations
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#1

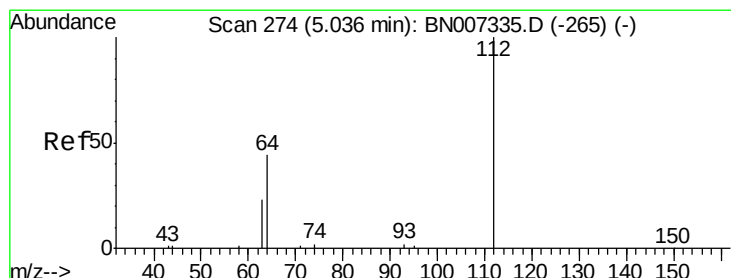
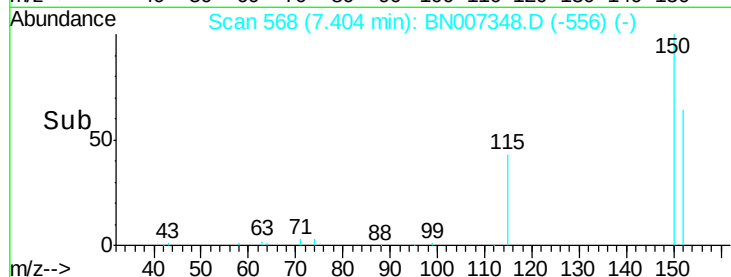
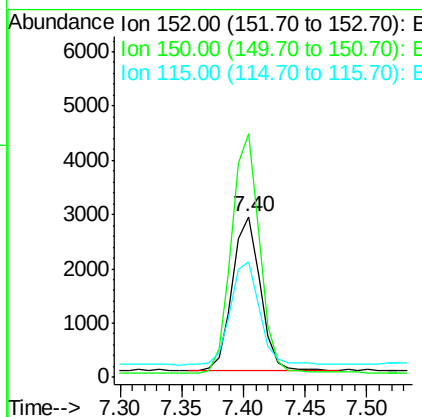
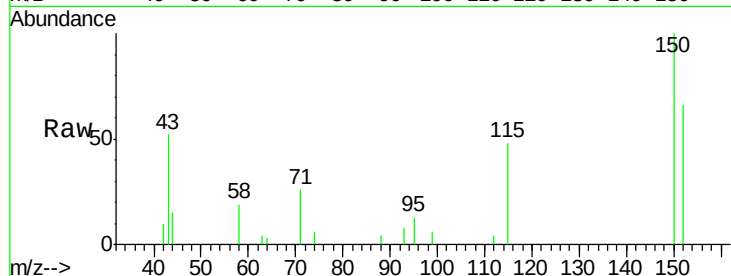
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	109.1	163.7
115	72.0	59.6	89.4

Manual Integrations
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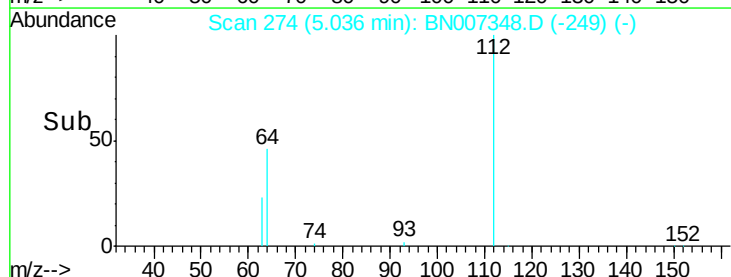
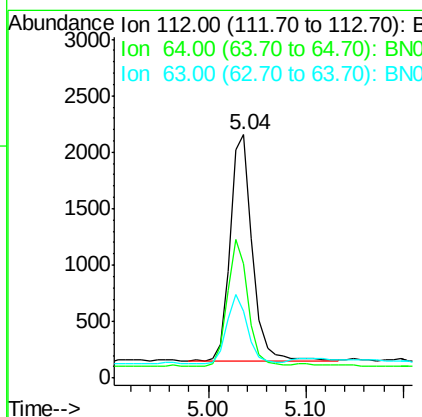
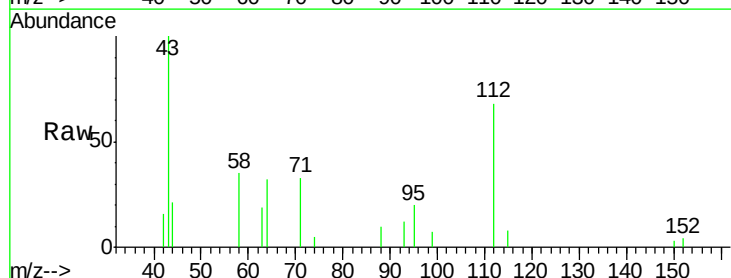
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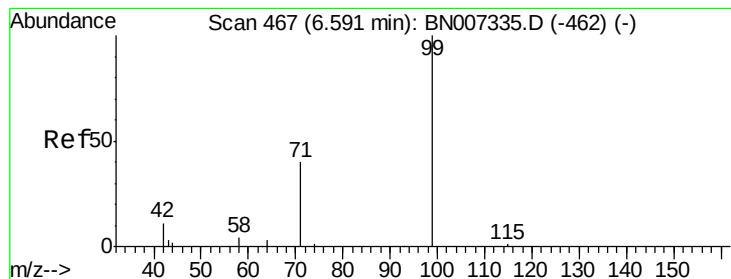


#4

2-Fluorophenol
Concen: 0.193 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.3	63.5
63	28.4	23.6	35.4





#5

Phenol-d6

Concen: 0.198 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Instrument :

BNA_N

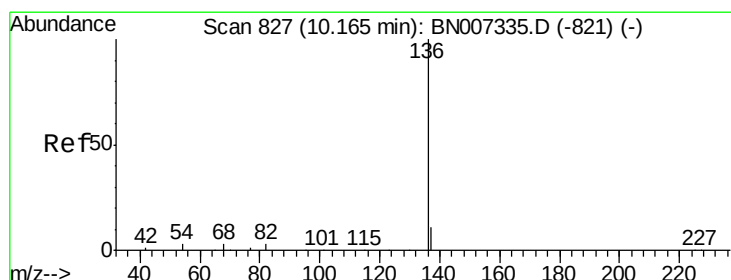
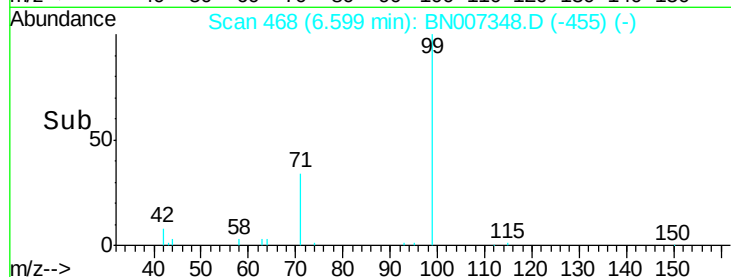
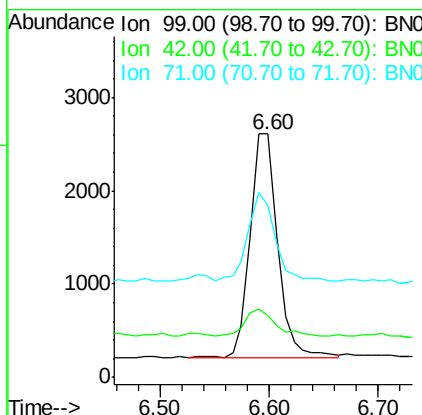
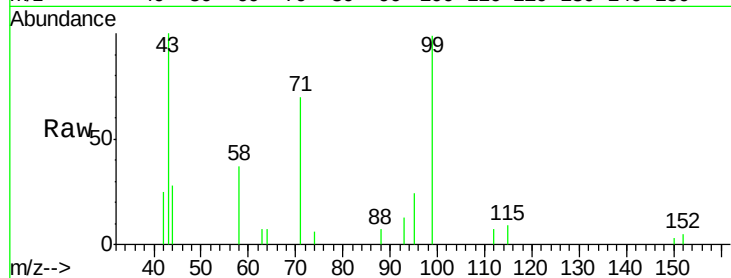
ClientSampleId :

S703-N-0.0-0.5-082119

Tot Ion:	99	Resp:	4135
Ion	Ratio	Lower	Upper
99	100		
42	14.2	11.2	16.8
71	40.0	31.8	47.8

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

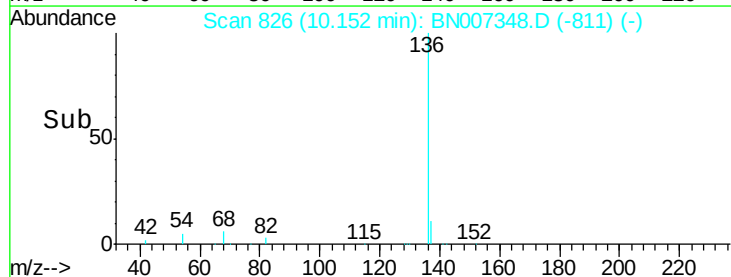
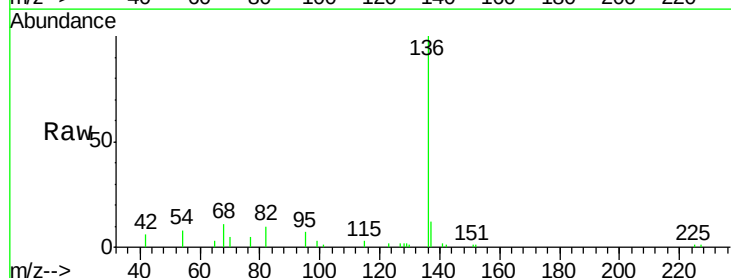
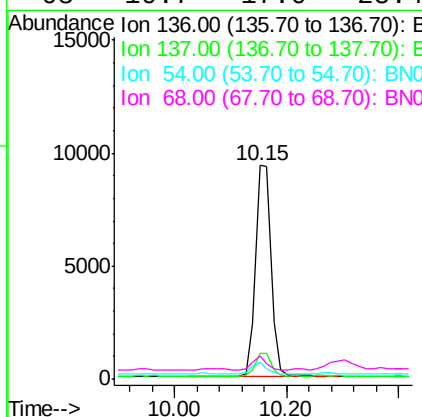
RT: 10.15 min Scan# 826

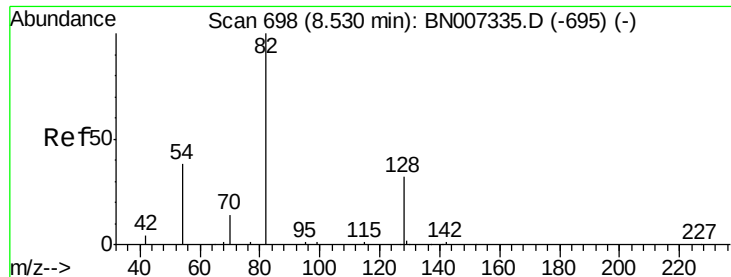
Delta R.T. -0.01 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Tgt Ion:	136	Resp:	18459
Ion	Ratio	Lower	Upper
136	100		
137	12.1	12.9	19.3#
54	7.7	8.6	12.8#
68	10.7	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.207 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Instrument :

BNA_N

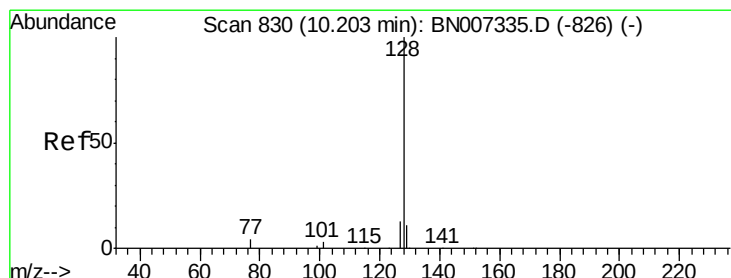
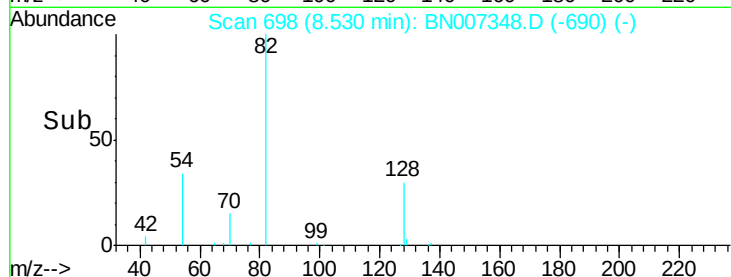
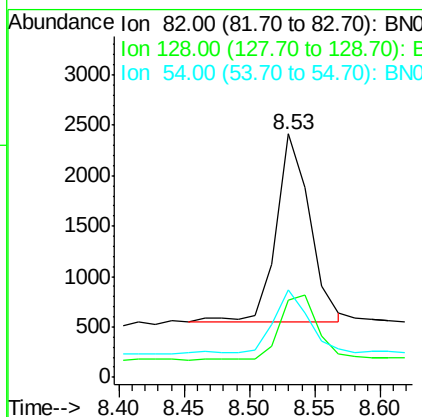
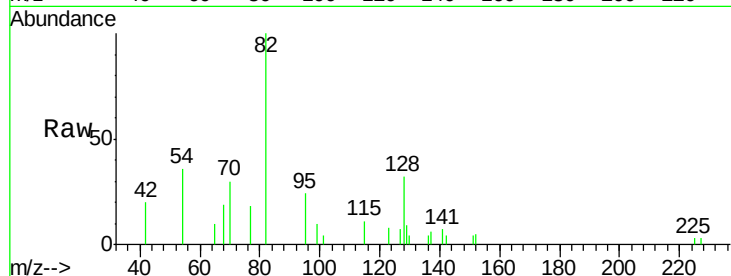
ClientSampleId :

S703-N-0.0-0.5-082119

Tot Ion:	82	Resp:	3328
Ion Ratio	Lower	Upper	
82	100		
128	31.5	19.7	29.5#
54	36.0	25.8	38.6

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#9

Naphthalene

Concen: 0.324 ng

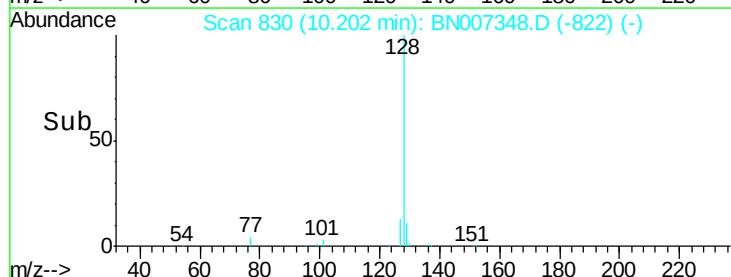
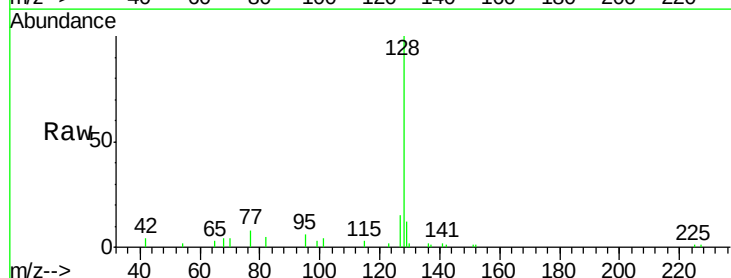
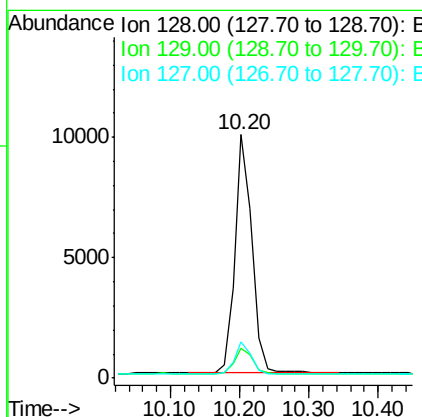
RT: 10.20 min Scan# 830

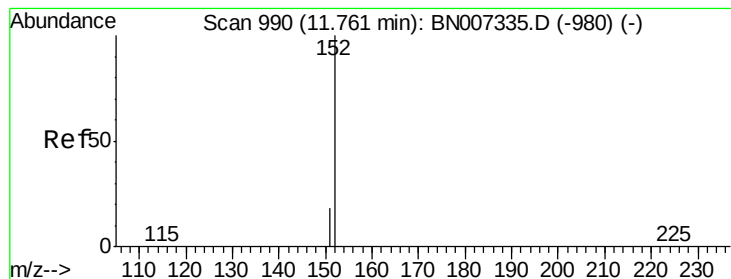
Delta R.T. -0.00 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Tgt Ion:	128	Resp:	17083
Ion Ratio	Lower	Upper	
128	100		
129	12.4	11.1	16.7
127	14.7	15.5	23.3#





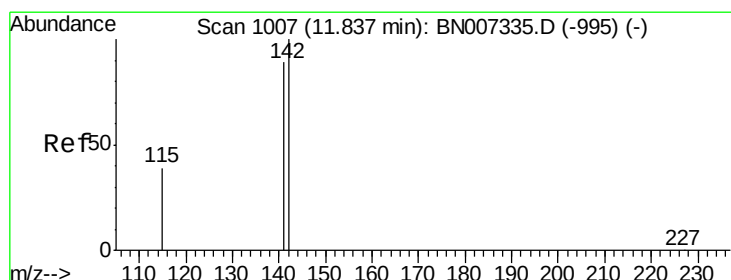
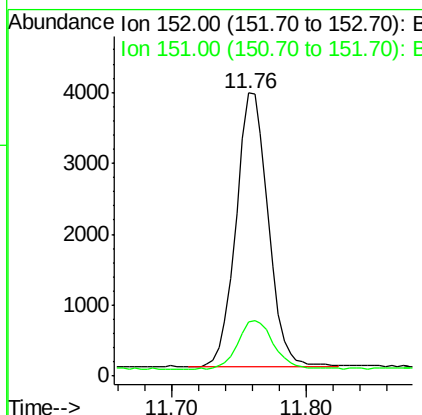
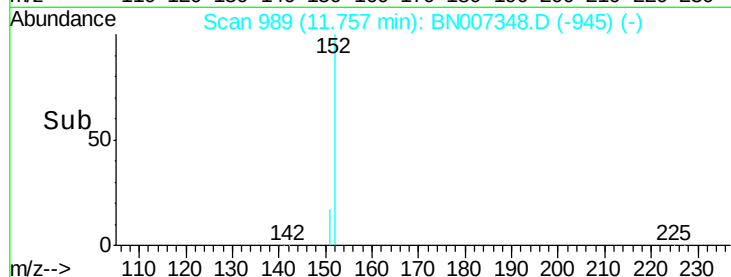
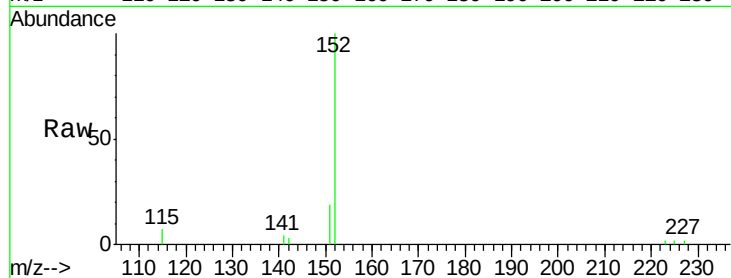
#11
2-Methylnaphthalene-d10
Concen: 0.210 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.2

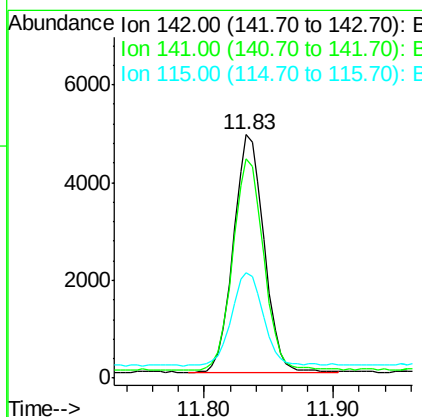
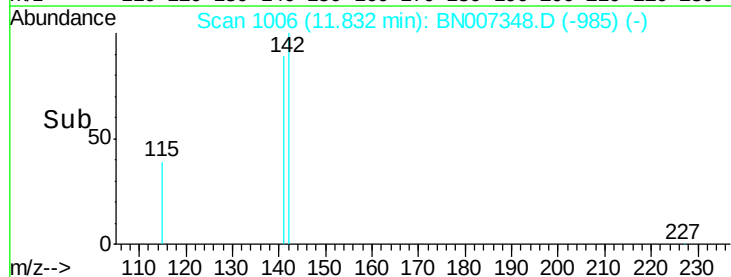
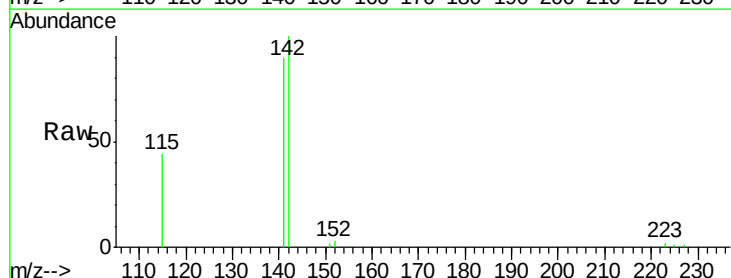
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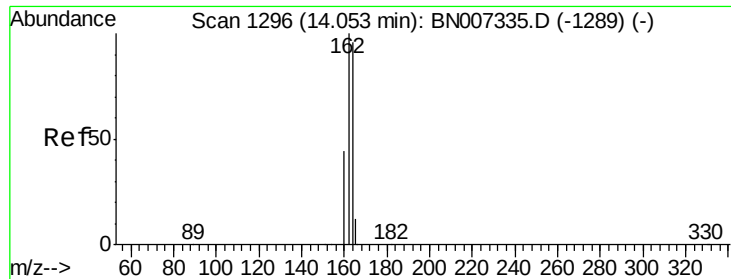
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#12
2-Methylnaphthalene
Concen: 0.222 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.8	109.2
115	43.5	35.2	52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Instrument :

BNA_N

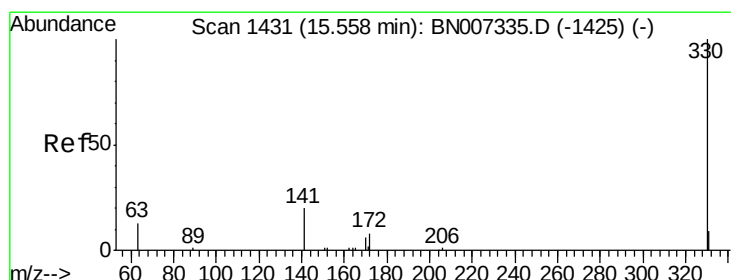
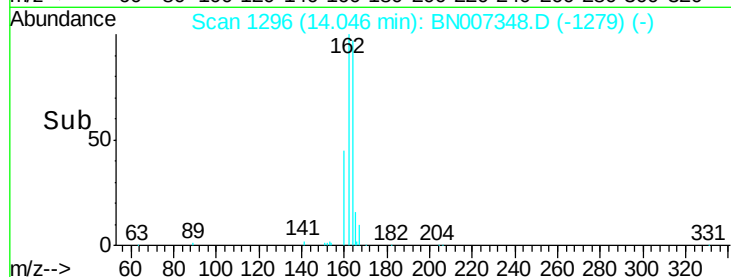
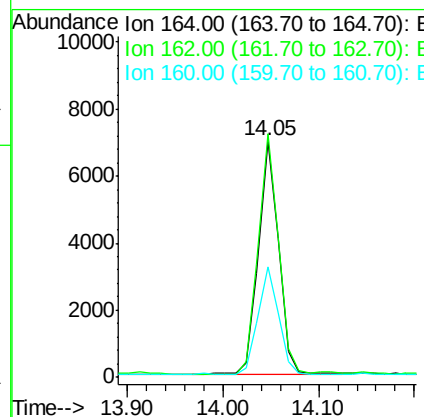
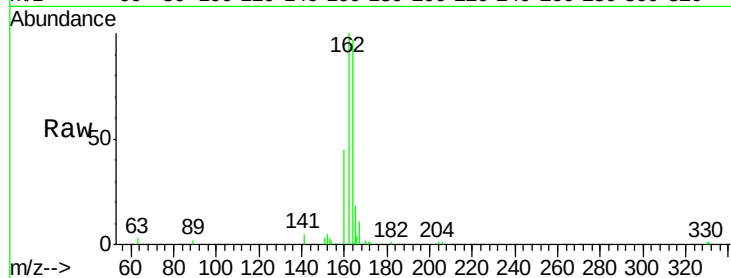
ClientSampleId :

S703-N-0.0-0.5-082119

Tot Ion:	164	Resp:	10206
Ion Ratio	Lower	Upper	
164	100		
162	103.1	83.5	125.3
160	46.8	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.233 ng

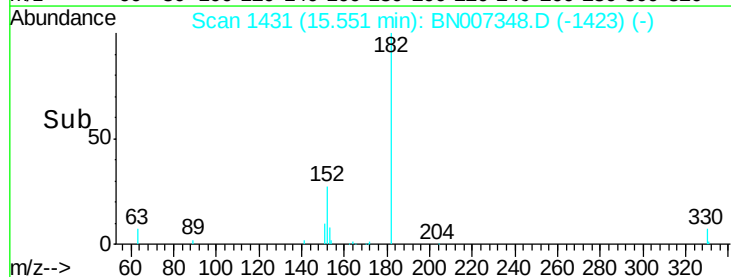
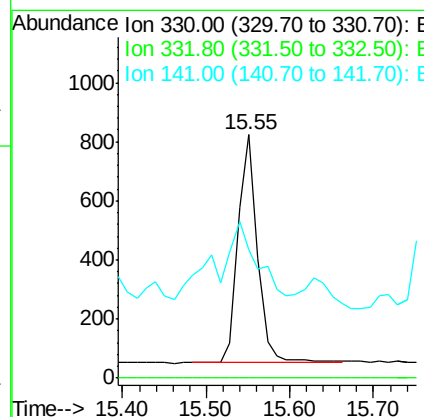
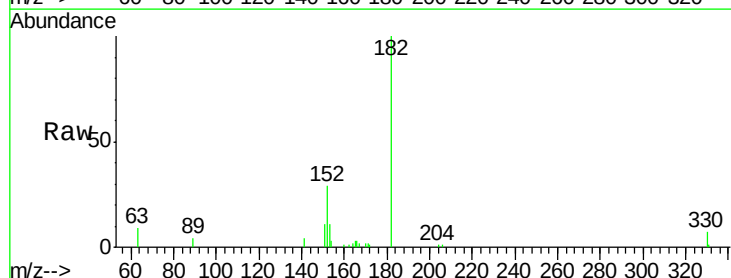
RT: 15.55 min Scan# 1431

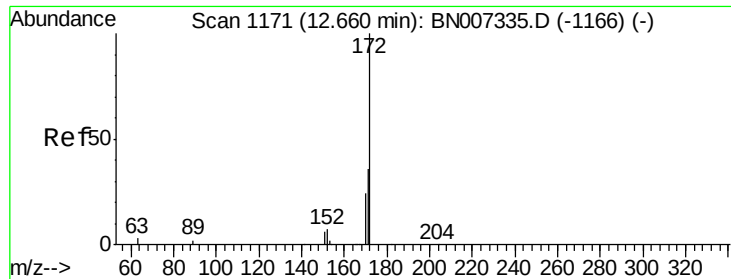
Delta R.T. -0.01 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Tgt Ion:	330	Resp:	1246
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	63.2	26.9	40.3#





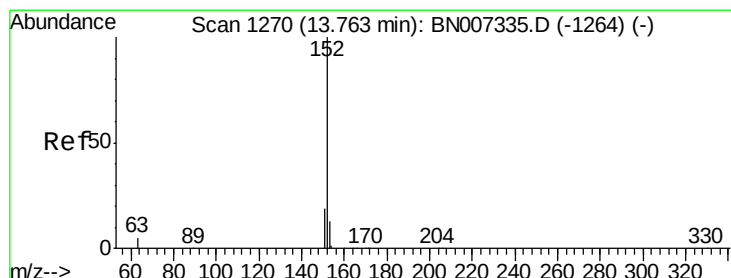
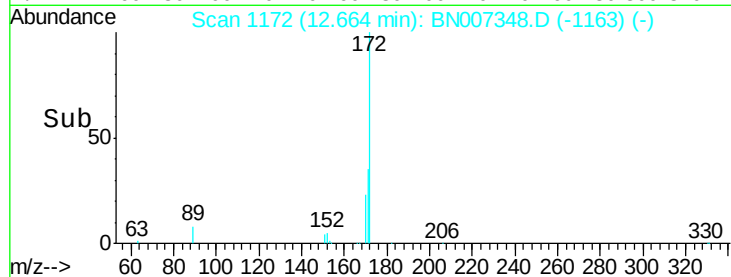
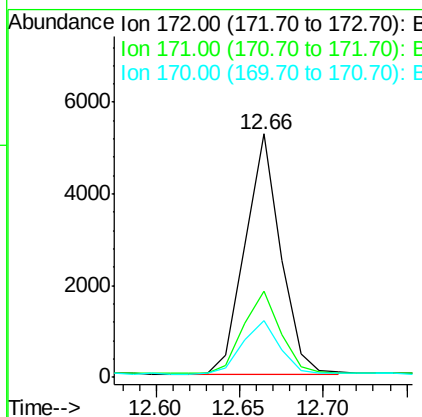
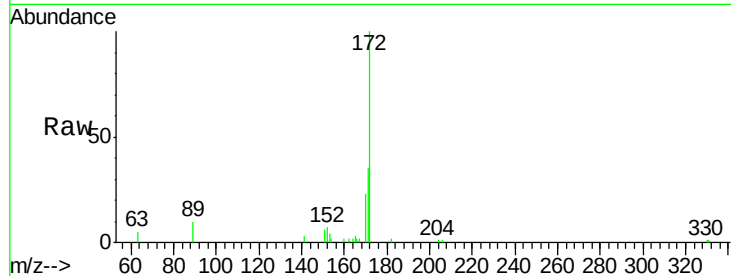
#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.3	45.5
170	23.5	20.7	31.1

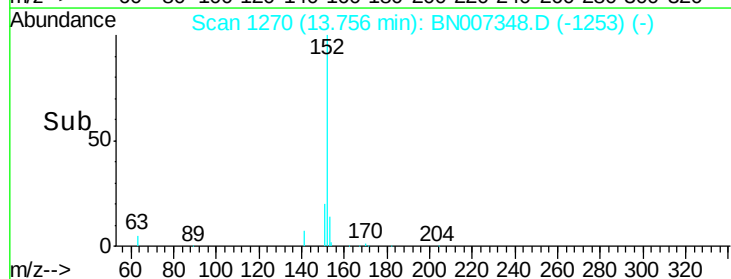
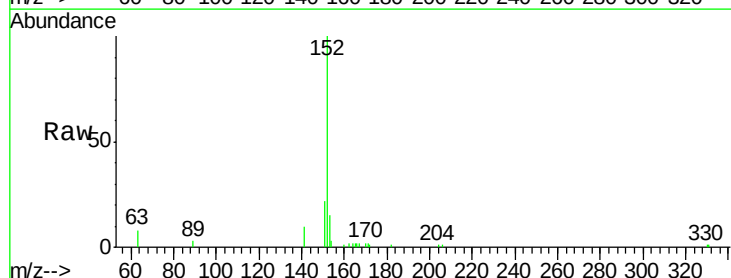
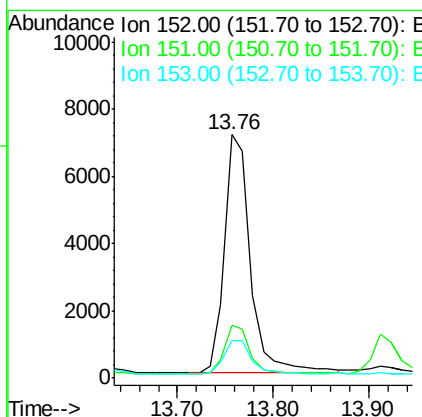
Manual Integrations
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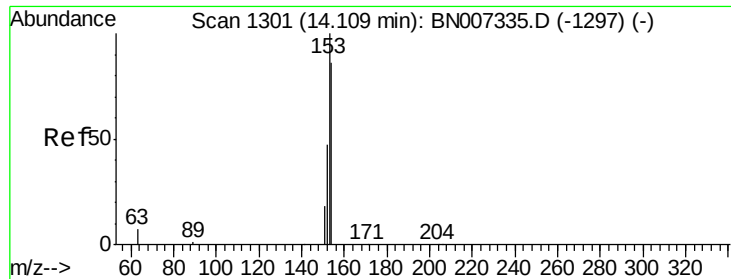
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#16
Acenaphthylene
Concen: 0.223 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	15.2	10.6	15.8





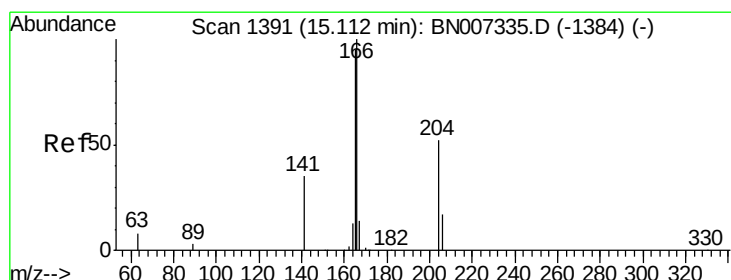
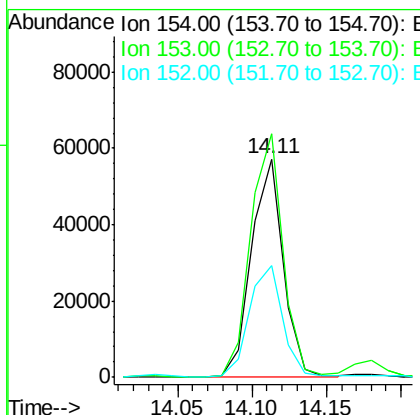
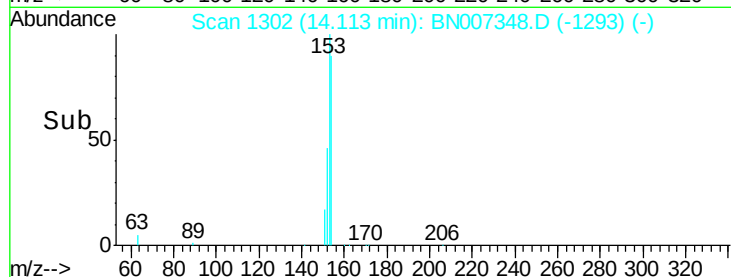
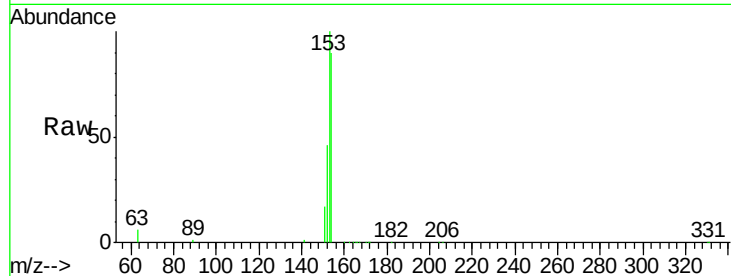
#17
Acenaphthene
Concen: 2.388 ng
RT: 14.11 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.5	92.8	139.2
152	54.4	43.8	65.8

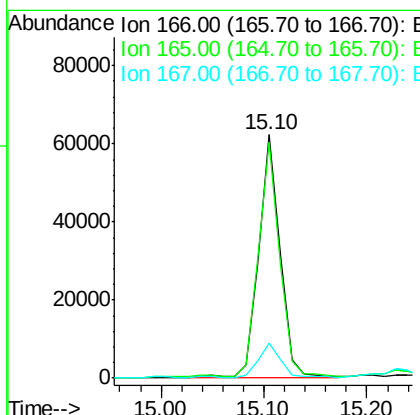
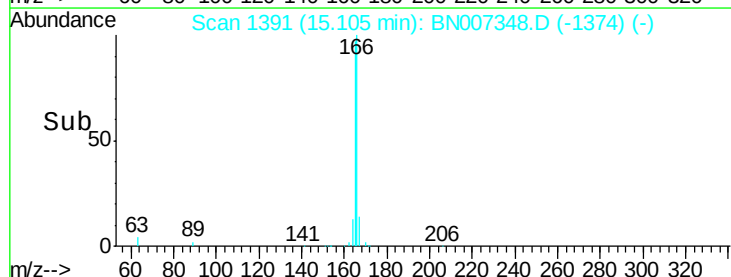
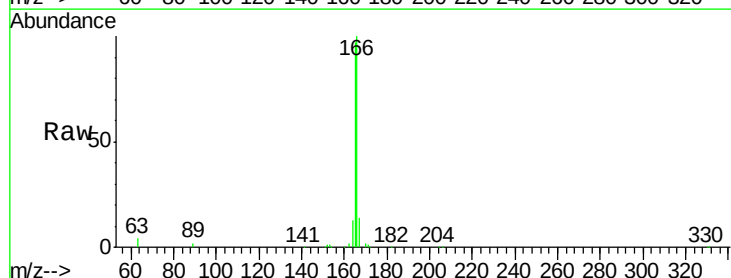
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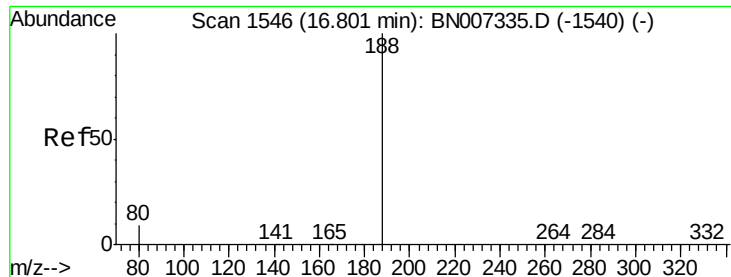
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#18
Fluorene
Concen: 1.984 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.0	118.4
167	14.6	10.6	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Instrument :

BNA_N

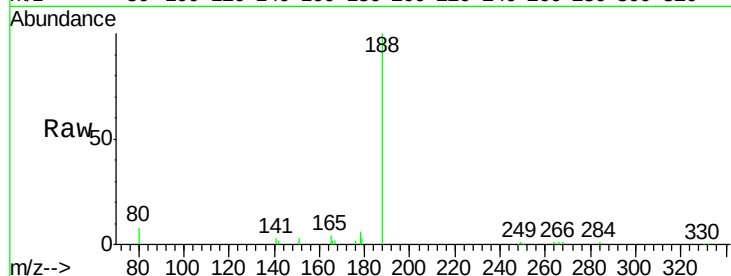
ClientSampleId :

S703-N-0.0-0.5-082119

Tot Ion:	188	Resp:	23062
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.5	11.8	17.8#

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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

16.80

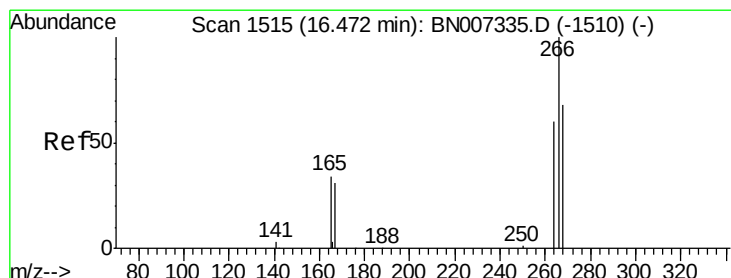
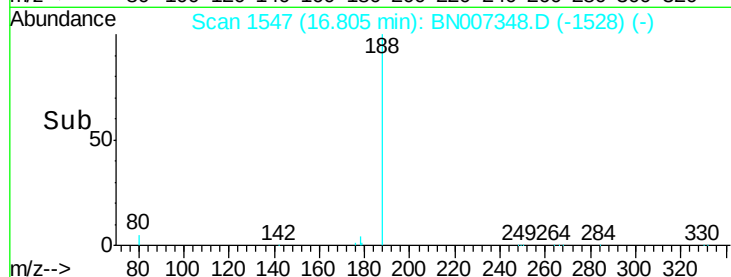
15000

10000

5000

0

Time-->



#22

Pentachlorophenol

Concen: 0.035 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Tgt Ion:	266	Resp:	170
Ion Ratio	Lower	Upper	
266	100		
264	81.1	57.8	86.8
268	118.2	99.7	149.5

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

16.46

200

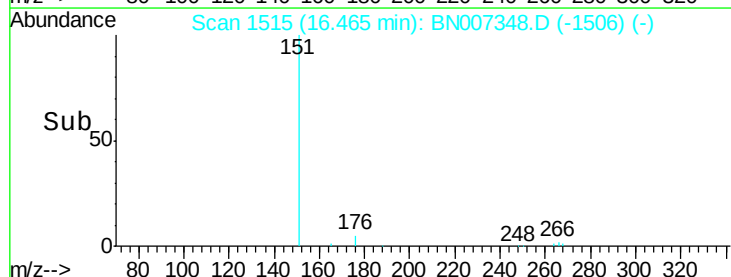
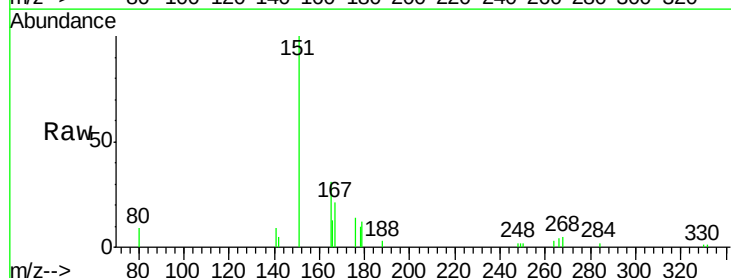
150

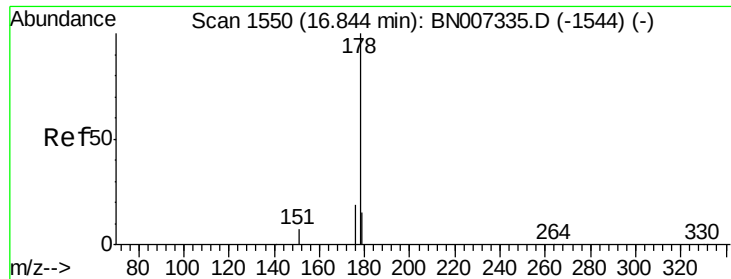
100

50

0

Time-->





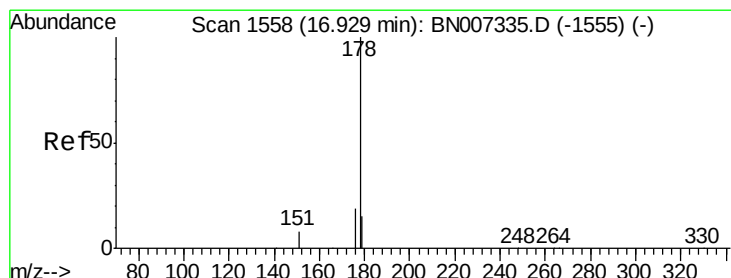
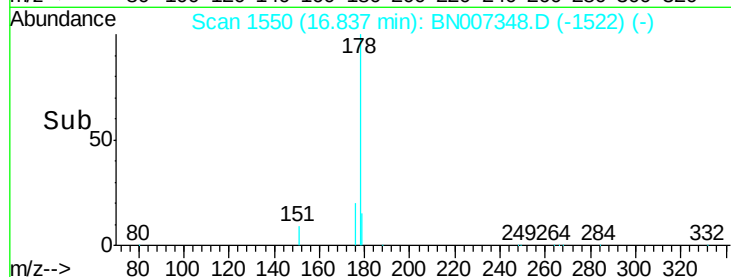
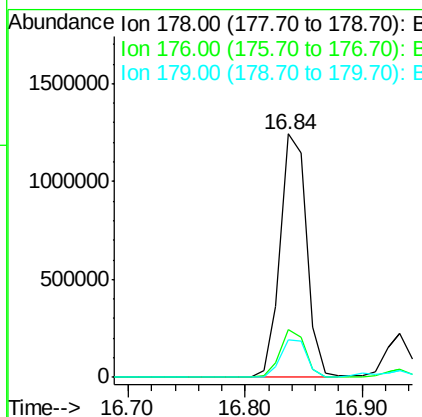
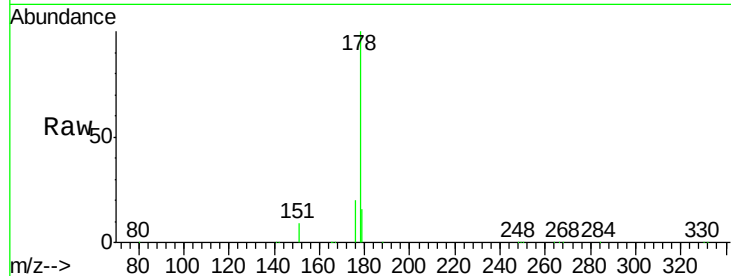
#23
Phenanthrene
Concen: 28.183 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.7	12.6	19.0

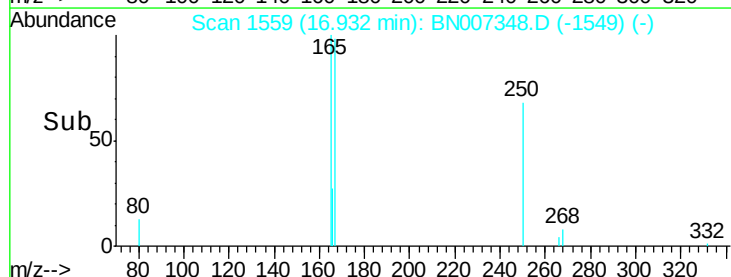
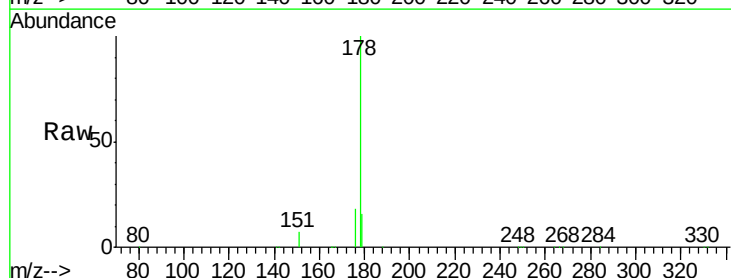
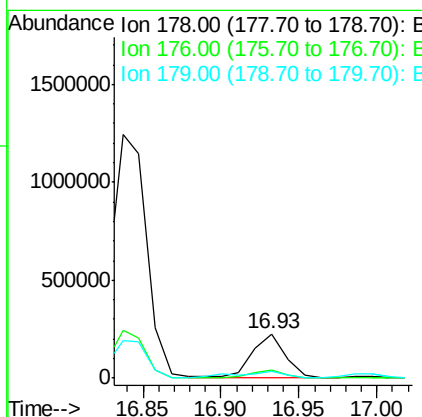
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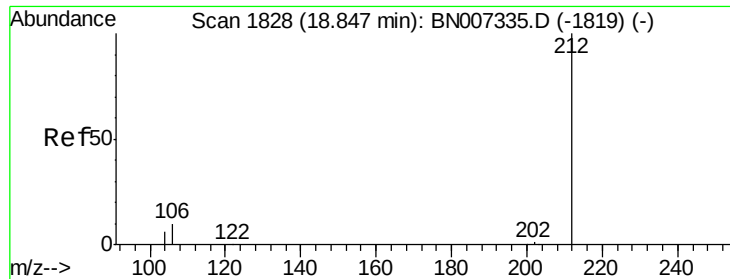
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#24
Anthracene
Concen: 4.476 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	22.4	12.4	18.6





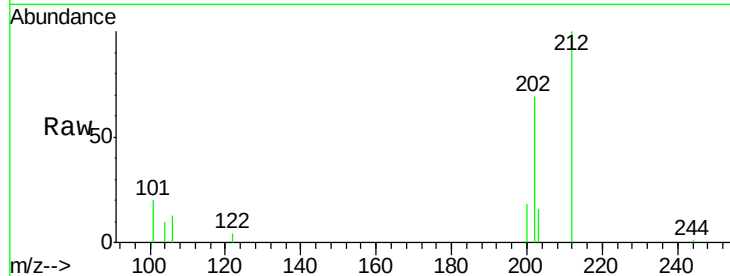
#25
Fluoranthene-d10
Concen: 0.174 ng
RT: 18.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

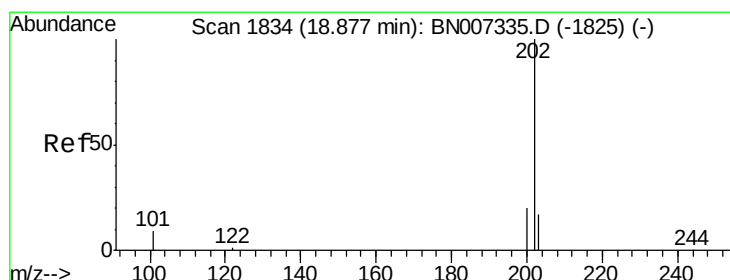
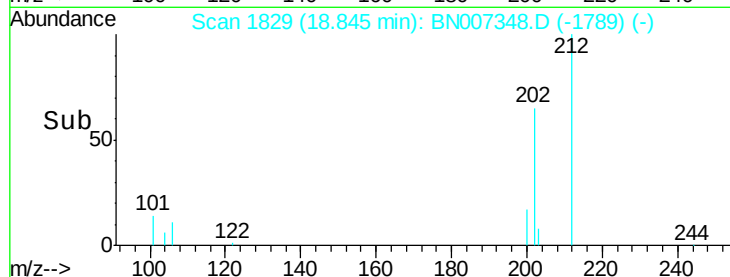
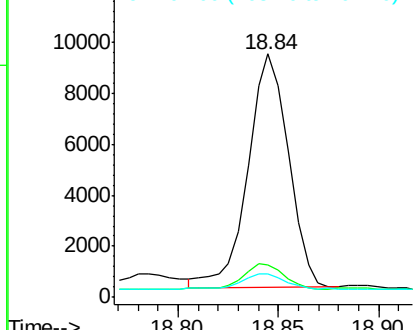
Tot Ion	Ratio	Lower	Upper
212	100		
106	11.6	9.0	13.4
104	8.1	5.4	8.2

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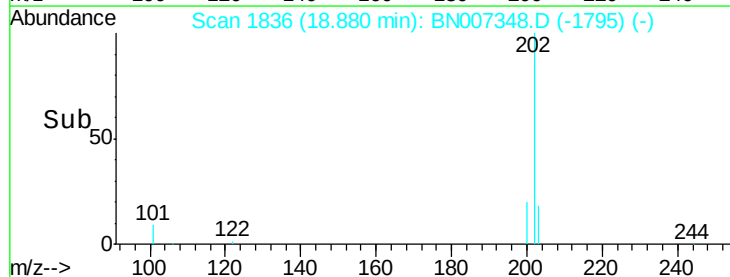
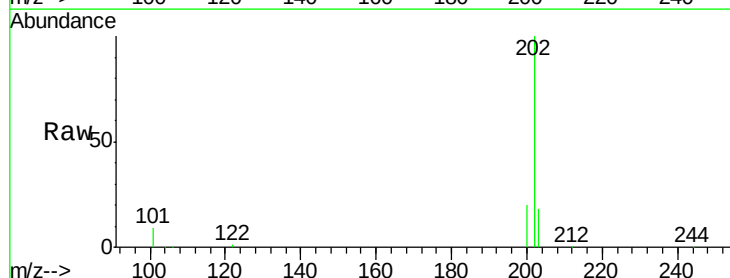
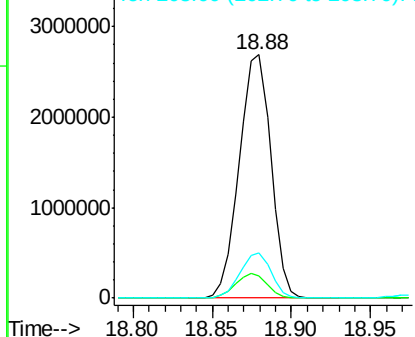
Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

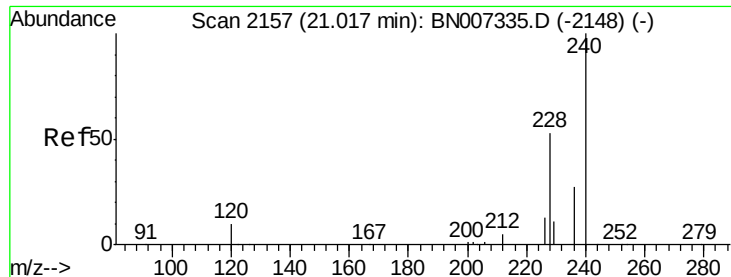


#26
Fluoranthene
Concen: 41.904 ng
RT: 18.88 min Scan# 1836
Delta R.T. 0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.7	11.5
203	18.0	13.7	20.5

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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Instrument :

BNA_N

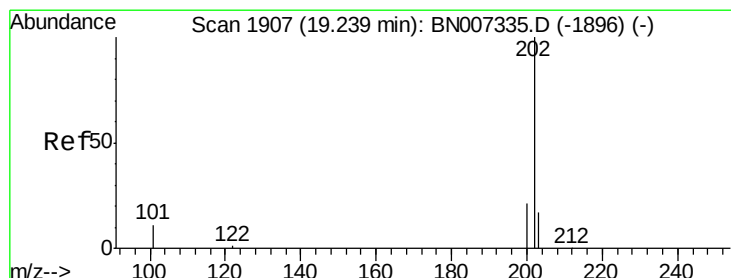
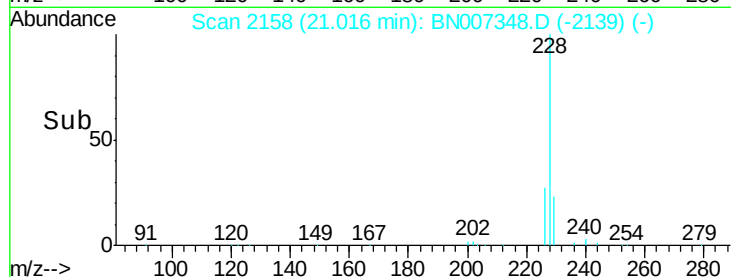
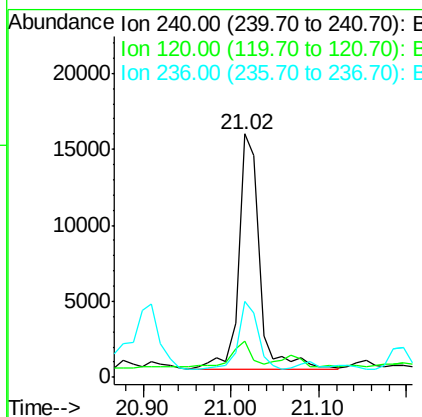
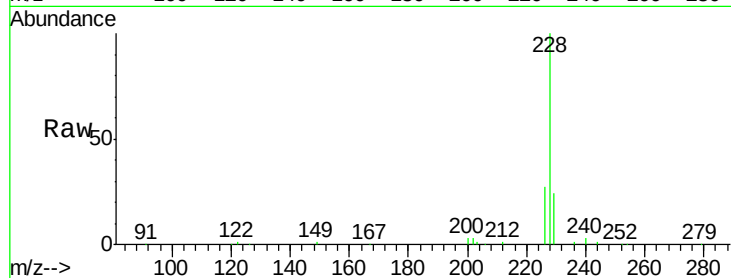
ClientSampleId :

S703-N-0.0-0.5-082119

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.0	9.6	14.4#
236	31.4	22.2	33.2

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#28

Pyrene

Concen: 31.122 ng

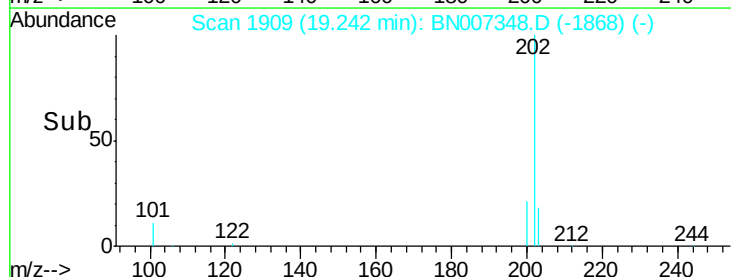
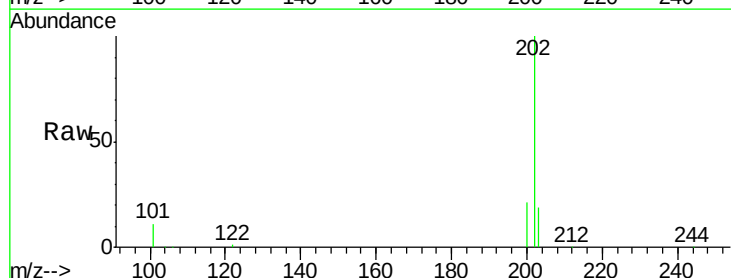
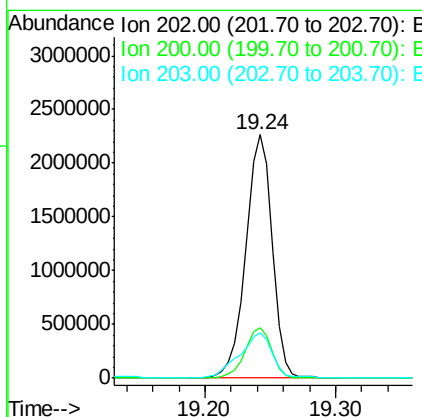
RT: 19.24 min Scan# 1909

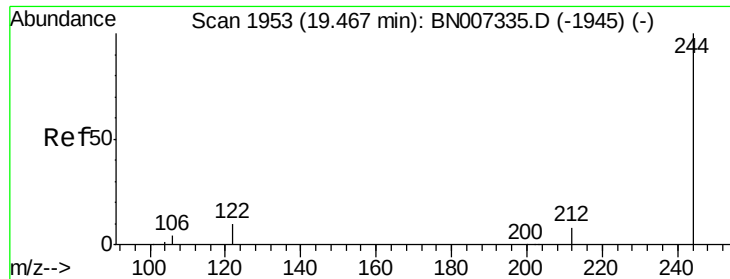
Delta R.T. 0.00 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	23.3	14.2	21.4#





#29

Terphenyl-d14

Concen: 0.147 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007348.D

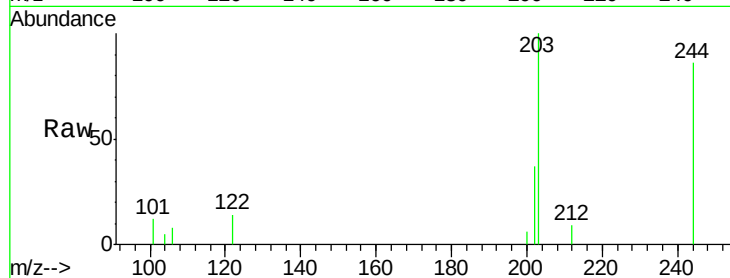
Acq: 24 Aug 2019 04:02

Instrument :

BNA_N

ClientSampleId :

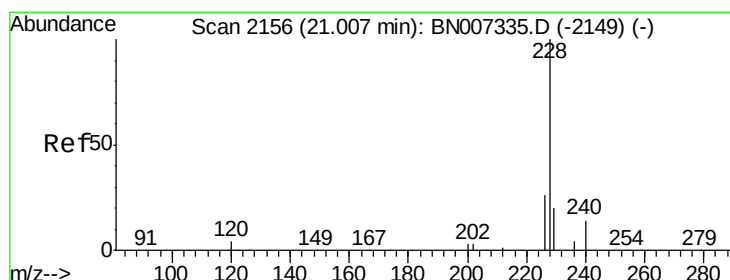
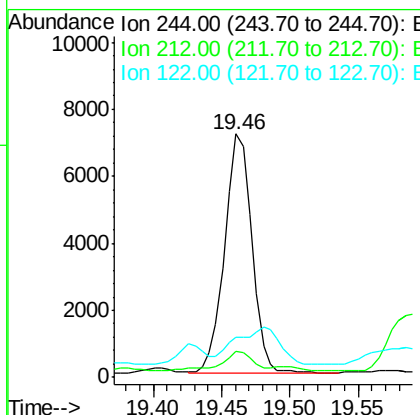
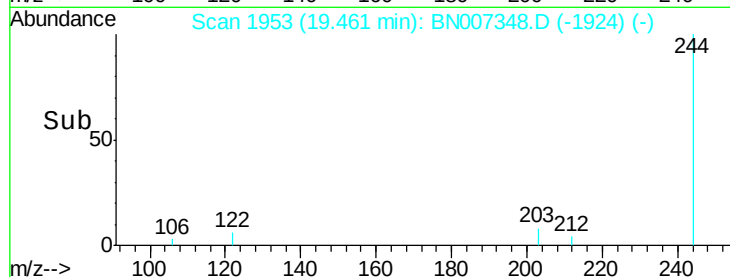
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
9911	244	100			
	212	10.4		7.0	10.6
	122	16.5		9.6	14.4

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#30

Benzo(a)anthracene

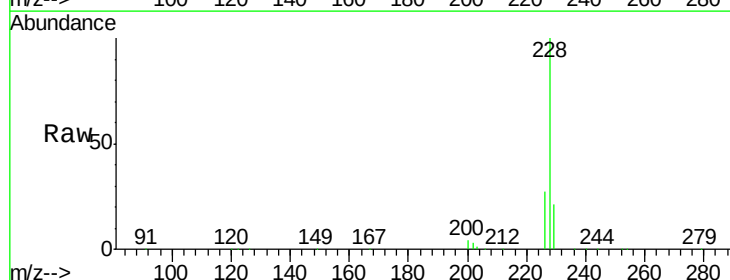
Concen: 18.121 ng

RT: 21.00 min Scan# 2157

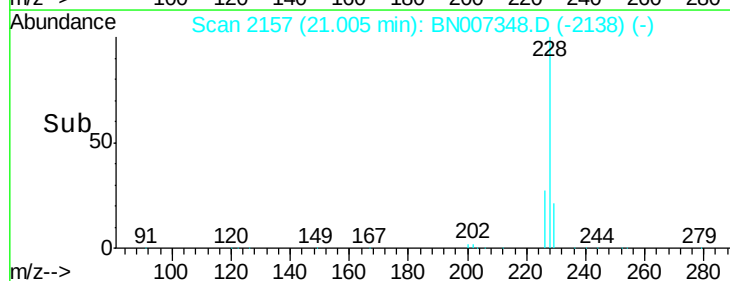
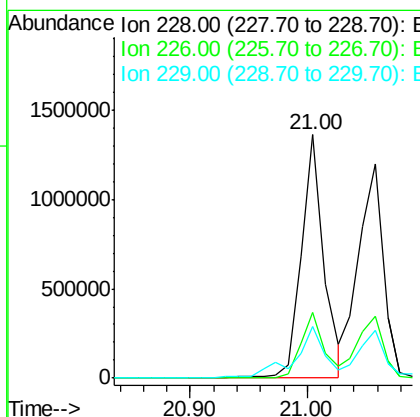
Delta R.T. -0.00 min

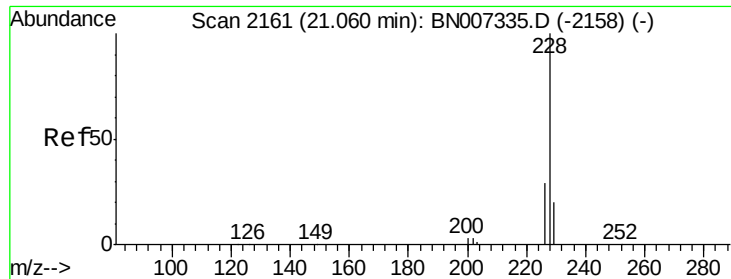
Lab File: BN007348.D

Acq: 24 Aug 2019 04:02



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
1829667	228	100			
	226	27.2		21.3	31.9
	229	21.0		16.1	24.1





#31

Chrysene

Concen: 18.000 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Instrument :

BNA_N

ClientSampleId :

S703-N-0.0-0.5-082119

Tot Ion:228 Resp: 1754222

Ion Ratio Lower Upper

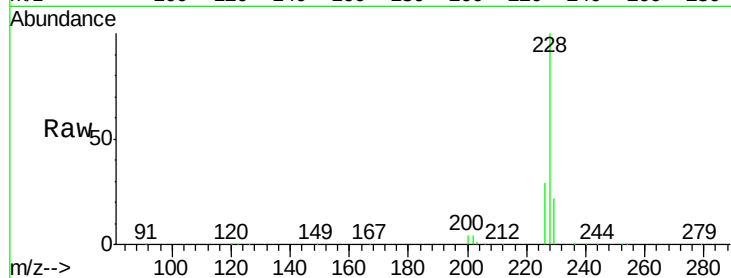
228 100

226 28.8 23.5 35.3

229 22.3 16.6 24.8

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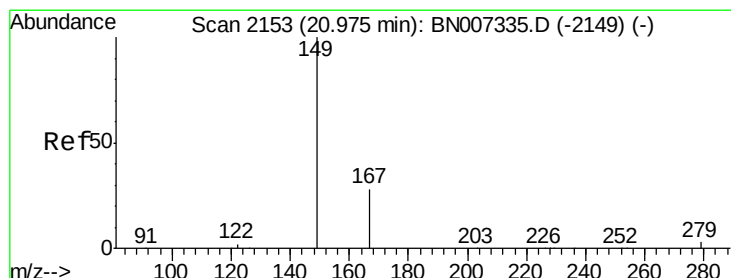
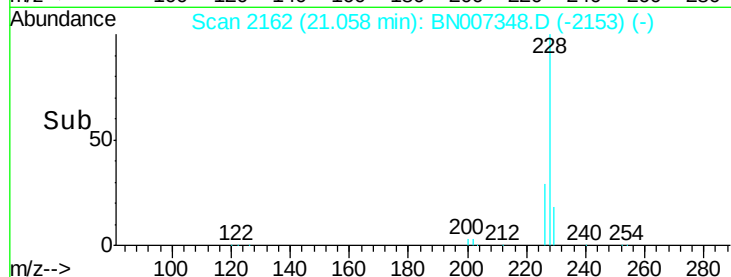
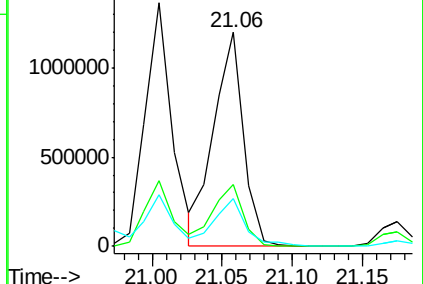
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.476 ng m

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

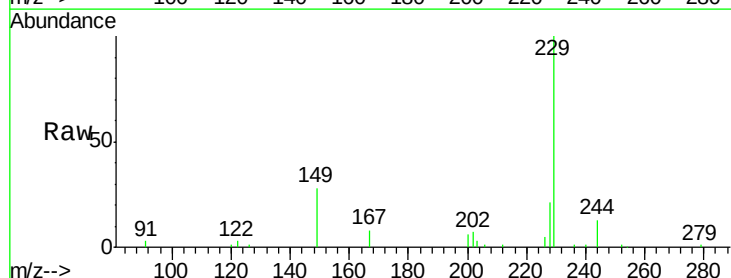
Tgt Ion:149 Resp: 32312

Ion Ratio Lower Upper

149 100

167 26.0 22.8 34.2

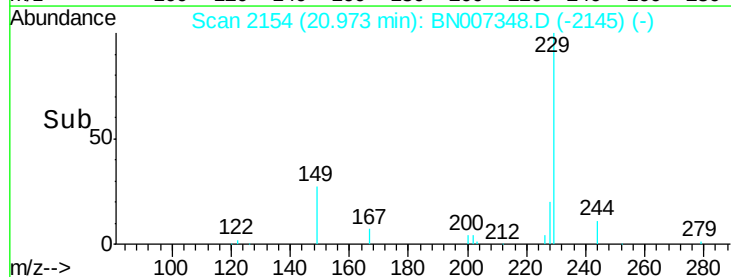
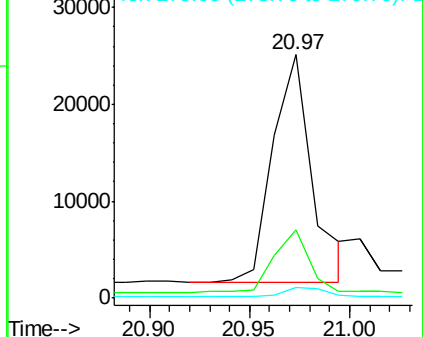
279 4.1 3.5 5.3

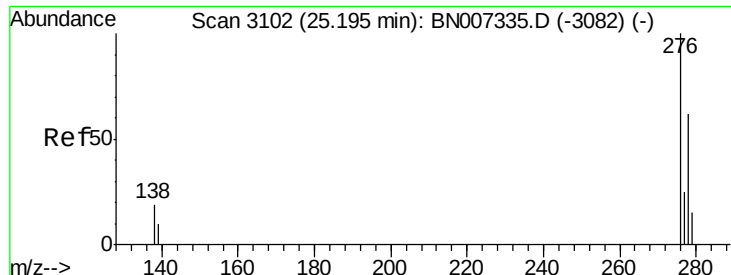


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





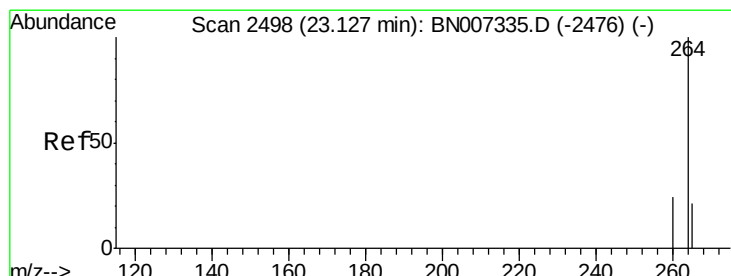
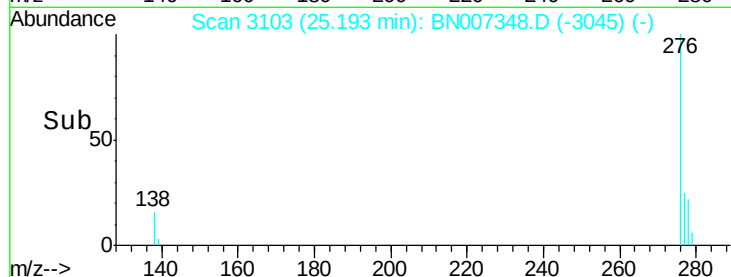
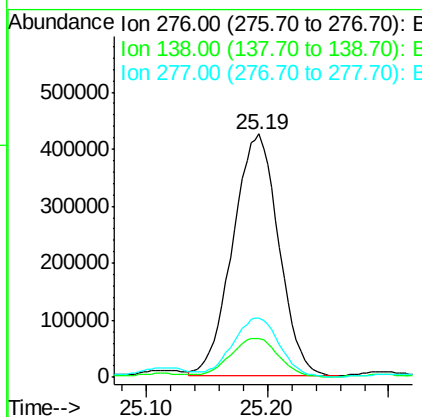
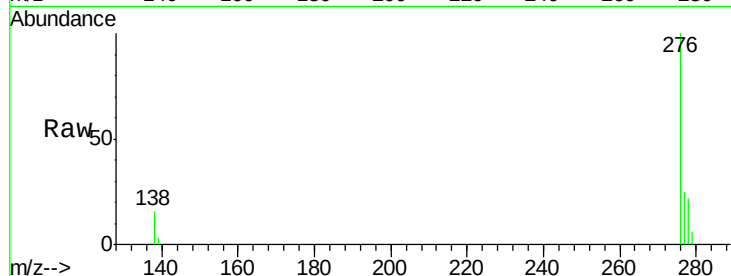
#33
Indeno(1,2,3-cd)pyrene
Concen: 9.515 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Tot Ion:276 Resp: 1117106
Ion Ratio Lower Upper
276 100
138 17.0 15.1 22.7
277 24.7 19.7 29.5

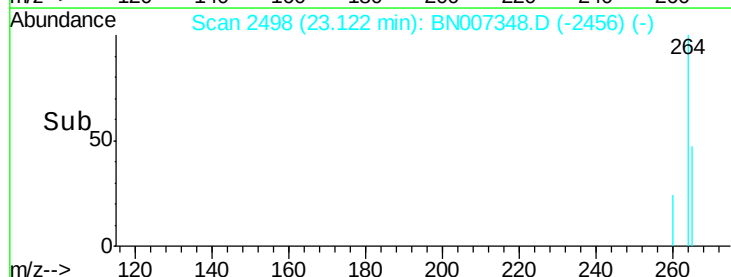
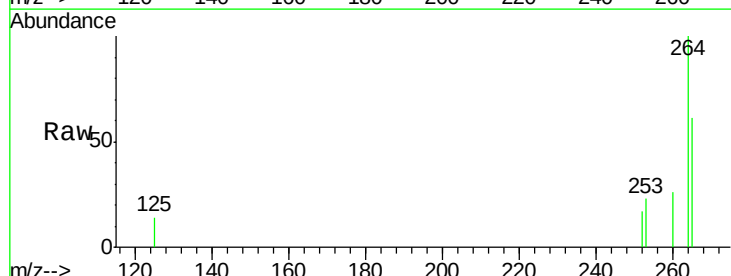
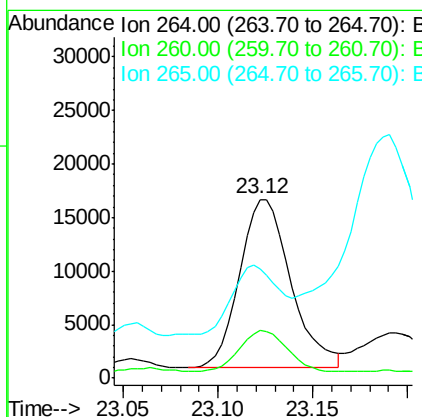
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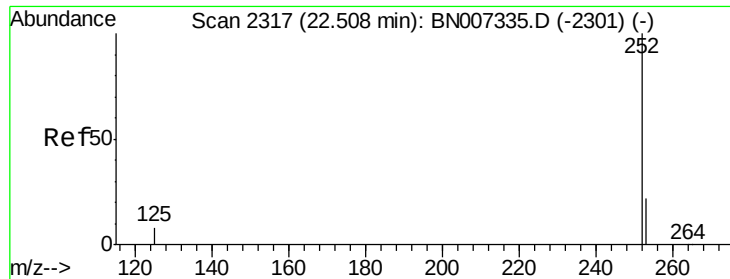
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion:264 Resp: 29845
Ion Ratio Lower Upper
264 100
260 26.4 19.7 29.5
265 61.3 29.9 44.9#





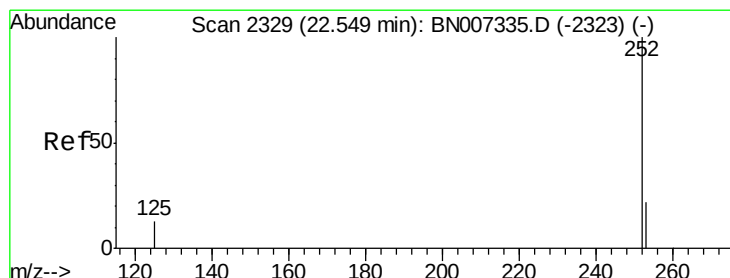
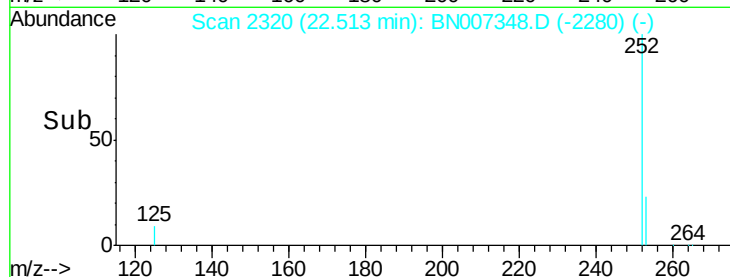
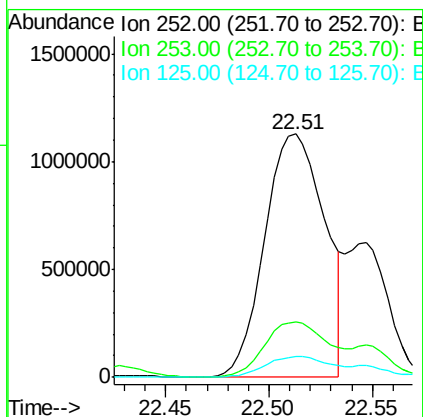
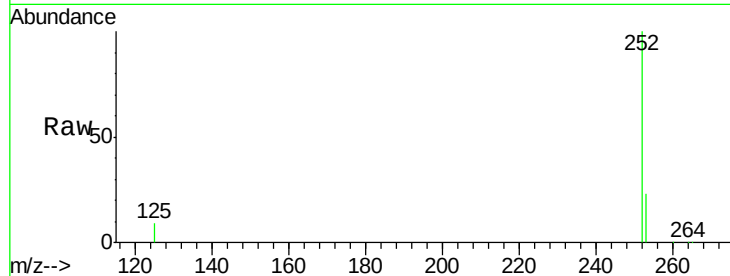
#35
Benzo(b)fluoranthene
Concen: 21.037 ng m
RT: 22.51 min Scan# 2320
Delta R.T. 0.01 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.2	28.8
125	8.5	10.6	16.0

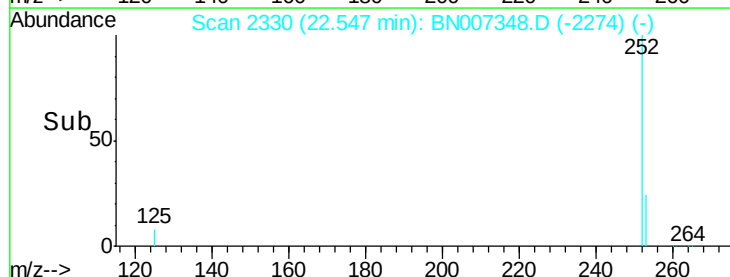
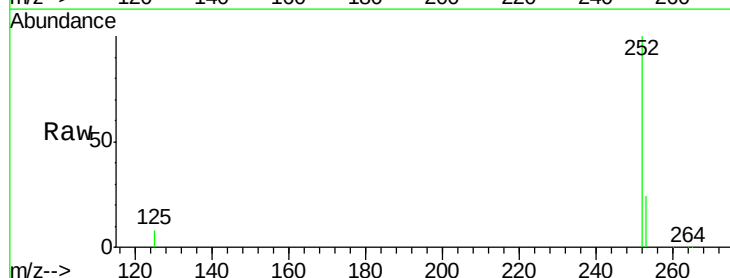
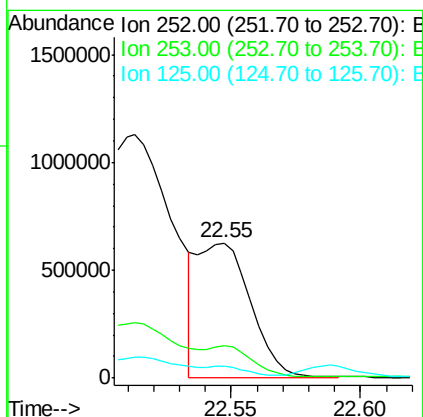
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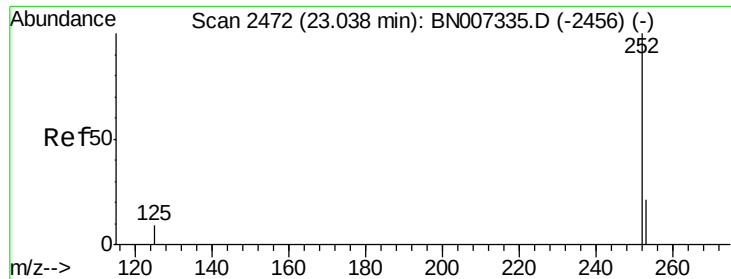
mohammad
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#36
Benzo(k)fluoranthene
Concen: 8.316 ng m
RT: 22.55 min Scan# 2330
Delta R.T. -0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.2
125	8.4	13.1	19.7





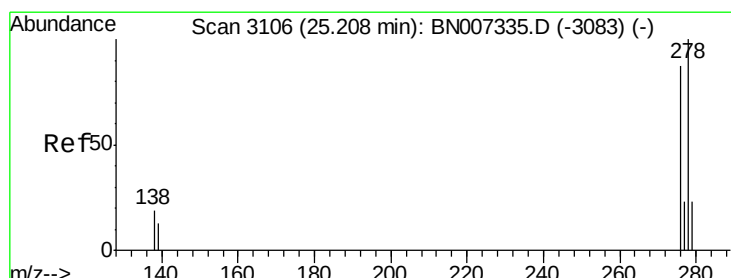
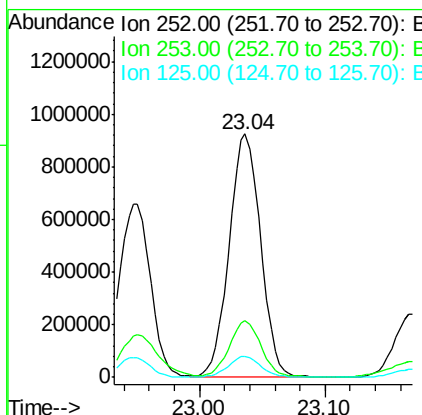
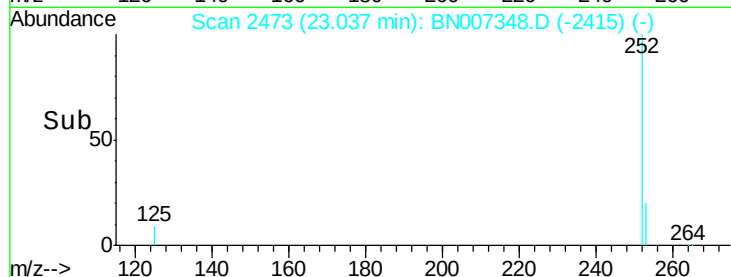
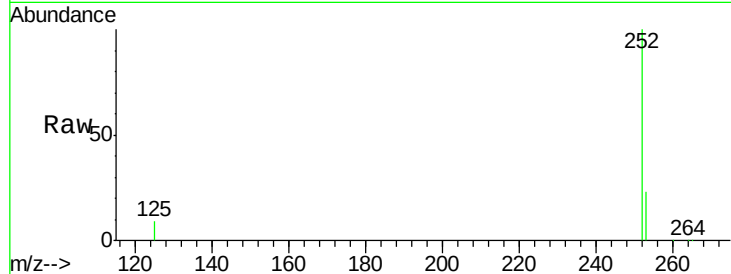
#37
Benzo(a)pyrene
Concen: 15.441 ng m
RT: 23.04 min Scan# 2473
Delta R.T. -0.00 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Instrument :
BNA_N
ClientSampleId :
S703-N-0.0-0.5-082119

Tot Ion:252 Resp: 1588906
Ion Ratio Lower Upper
252 100
253 23.1 19.5 29.3
125 8.7 12.1 18.1#

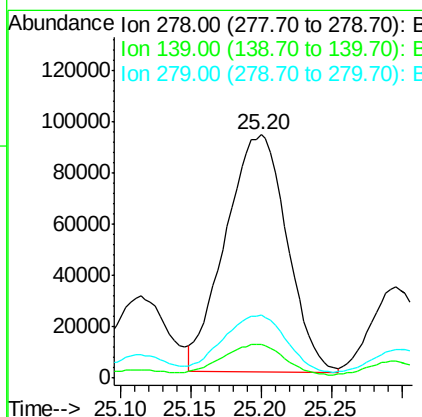
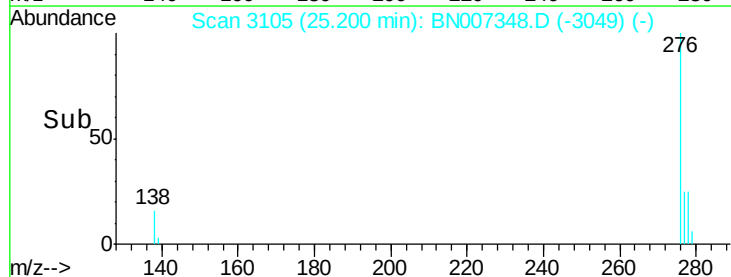
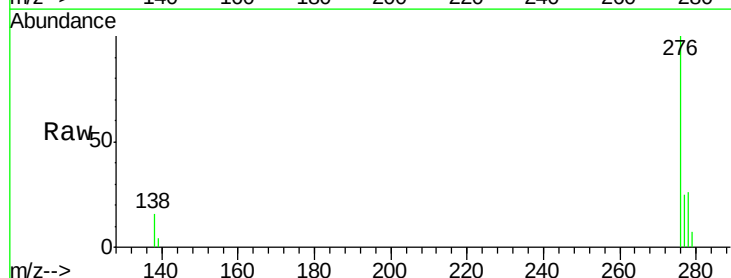
Manual Integrations
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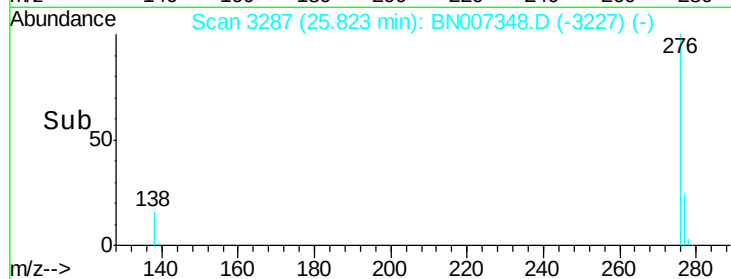
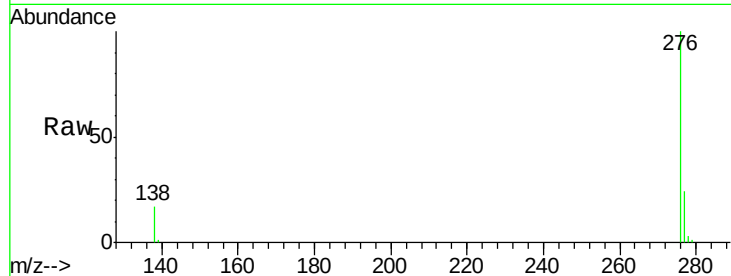
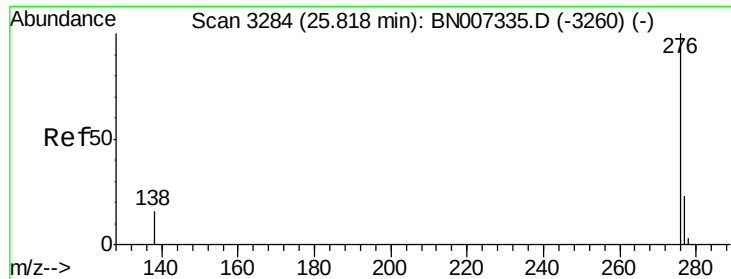
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#38
Dibenzo(a,h)anthracene
Concen: 2.751 ng
RT: 25.20 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN007348.D
Acq: 24 Aug 2019 04:02

Tgt Ion:278 Resp: 282460
Ion Ratio Lower Upper
278 100
139 13.7 13.7 20.5
279 25.7 20.2 30.4





#39

Benzo(a,h,i)perylene

Concen: 10.630 ng

RT: 25.82 min Scan# 3287

Delta R.T. 0.01 min

Lab File: BN007348.D

Acq: 24 Aug 2019 04:02

Tot Ion:	276	Resp:	1087487
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.6	29.4
138	16.6	16.3	24.5

Instrument :

BNA_N

ClientSampleId :

S703-N-0.0-0.5-082119

Manual Integrations
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8/29/2019 7:59:47 AM

