

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
 Data File : BN007387.D
 Acq On : 25 Aug 2019 06:42
 Operator : HP/JU
 Sample : K4495-13 20X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S705-N-0.0-0.5-082219

Manual Integrations
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 8/31/2019 2:40:40 PM

Quant Time: Aug 26 05:02:09 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	8546	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	34901	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	17928	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	37690	0.40	ng	0.00
27) Chrysene-d12	21.02	240	38453	0.40	ng	0.00
34) Perylene-d12	23.12	264	42575	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	548	-0.01	ng	0.00
5) Phenol-d6	6.59	99	722	-0.01	ng	0.00
8) Nitrobenzene-d5	8.53	82	580	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	1043	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	217	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	1206	0.02	ng	0.00
25) Fluoranthene-d10	18.84	212	1770	0.01	ng	0.00
29) Terphenyl-d14	19.46	244	1300	0.01	ng	0.00
Target Compounds						
16) Acenaphthylene	13.76	152	8101	0.076	ng	Qvalue 98
23) Phenanthrene	16.84	178	5741	0.051	ng	97
26) Fluoranthene	18.87	202	18439	0.127	ng	100
28) Pyrene	19.24	202	16151	0.104	ng	# 95
30) Benzo(a)anthracene	20.99	228	7901	0.052	ng	# 71
31) Chrysene	21.05	228	9656	0.066	ng	# 88
33) Indeno(1,2,3-cd)pyrene	25.18	276	6276	0.036	ng	# 80
35) Benzo(b)fluoranthene	22.50	252	12945	0.084	ng	# 85
36) Benzo(k)fluoranthene	22.54	252	4155m	0.027	ng	
37) Benzo(a)pyrene	23.03	252	8091	0.055	ng	# 81
39) Benzo(a,h,i)perylene	25.80	276	6569	0.045	ng	# 84

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

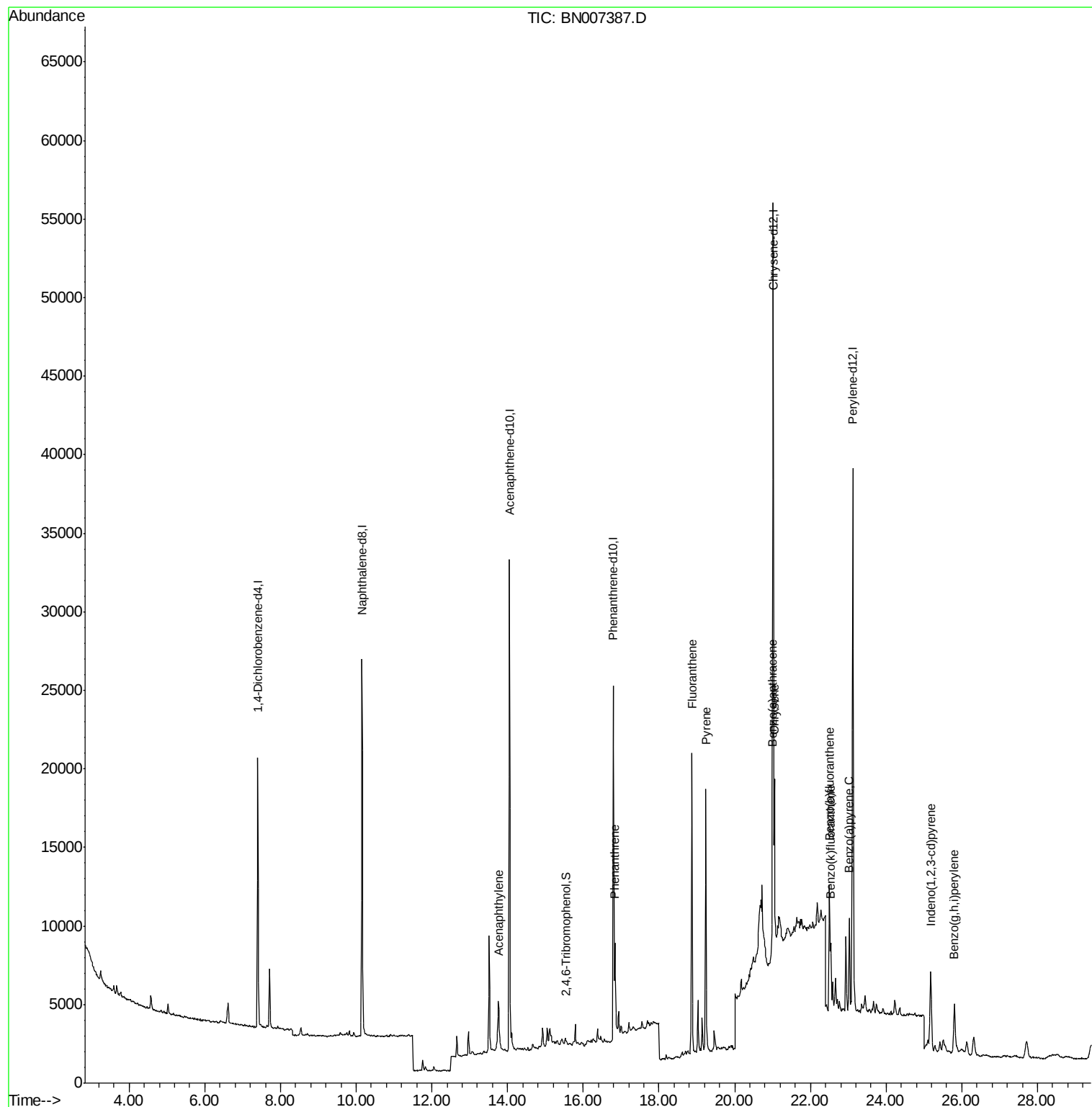
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
Data File : BN007387.D
Acq On : 25 Aug 2019 06:42
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Misc :
ALS Vial : 28 Sample Multiplier: 1

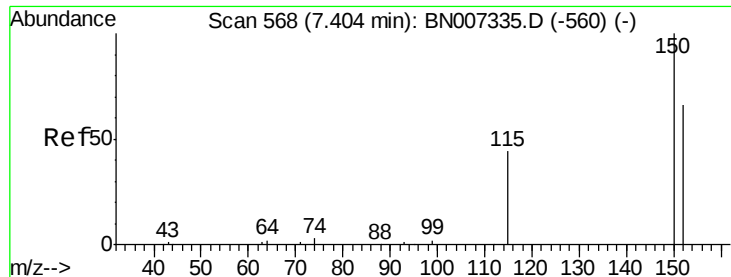
Instrument :
BNA_N
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S705-N-0.0-0.5-082219

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#1

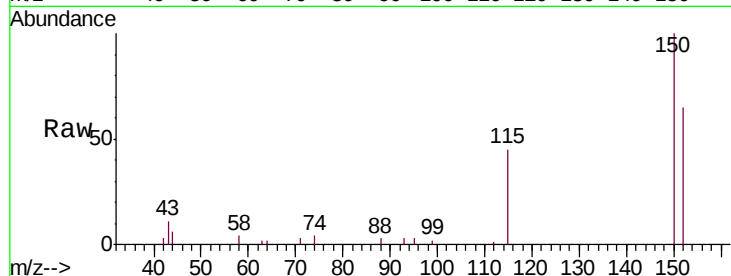
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Instrument :
BNA_N
ClientSampleId :
S705-N-0.0-0.5-082219

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	109.1	163.7
115	68.5	59.6	89.4

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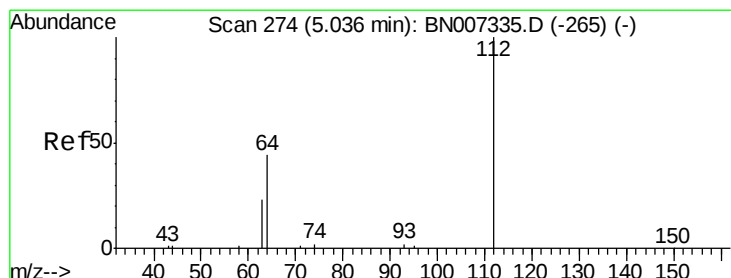
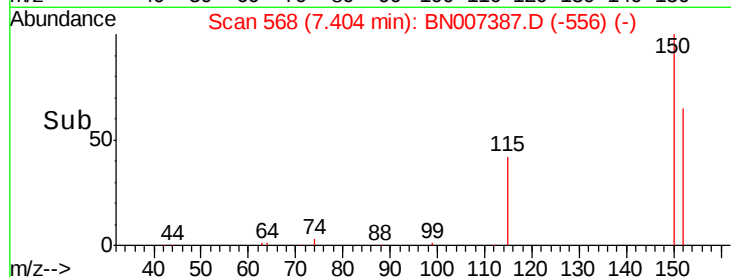
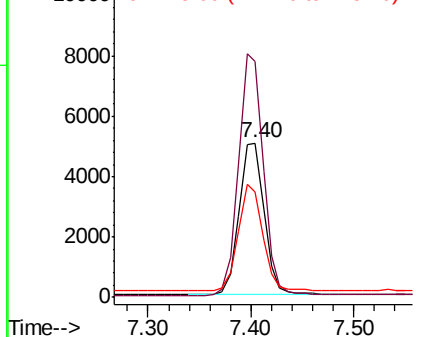


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

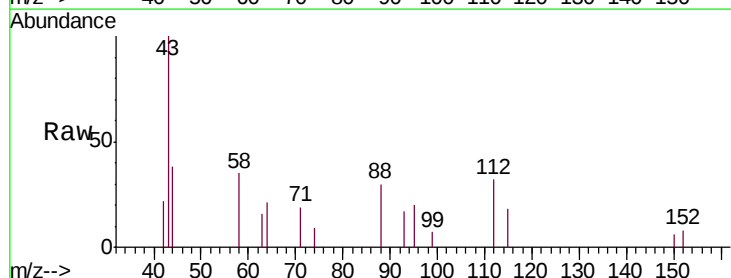
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: -0.010 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	42.3	63.5
63	32.8	23.6	35.4

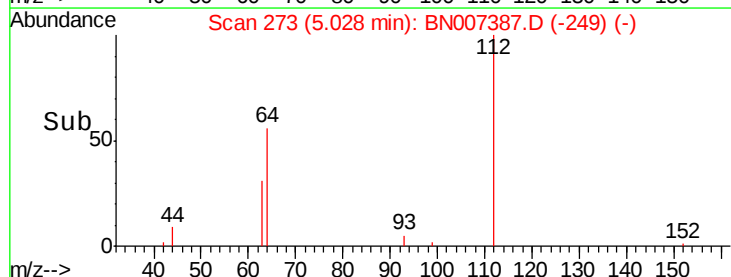
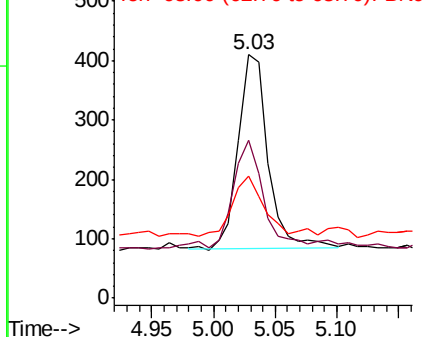


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: -0.012 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

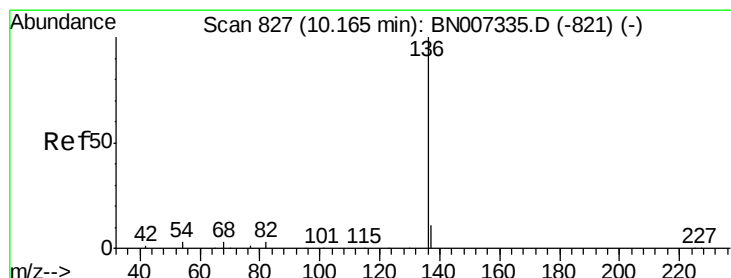
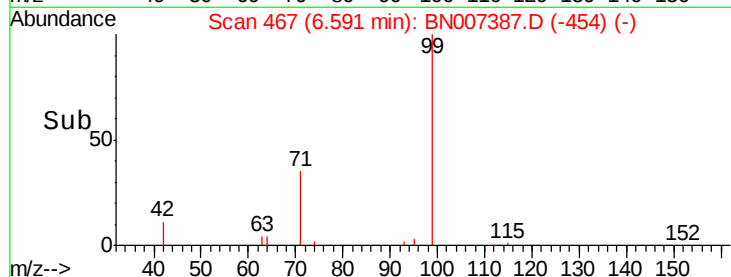
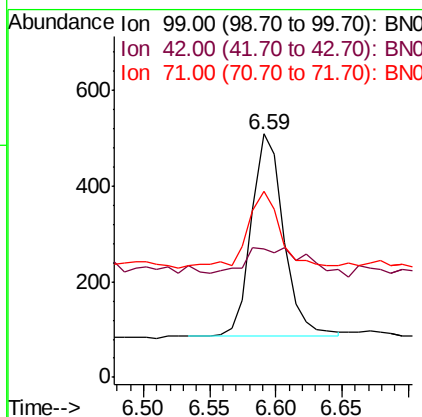
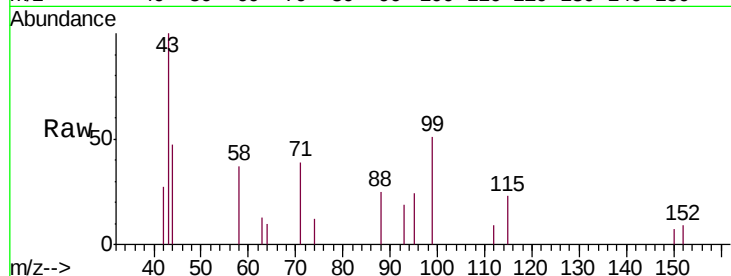
ClientSampleId :

S705-N-0.0-0.5-082219

Tot Ion:	99	Resp:	722
Ion	Ratio	Lower	Upper
99	100		
42	28.3	11.2	16.8#
71	38.6	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

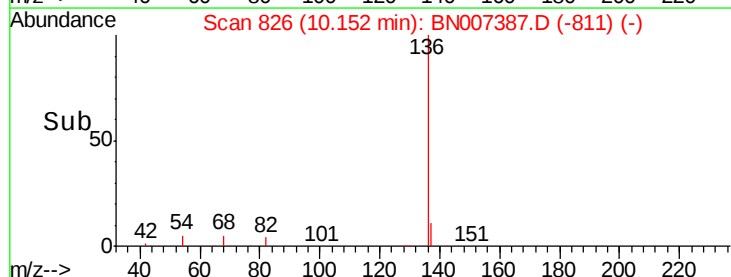
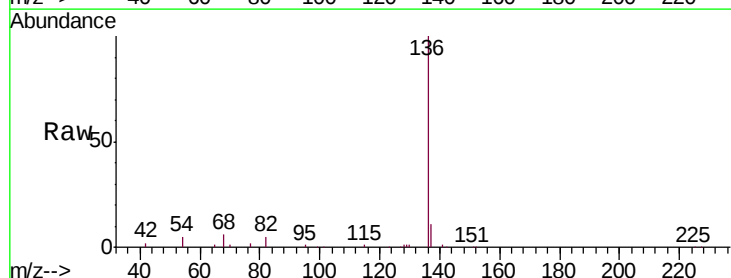
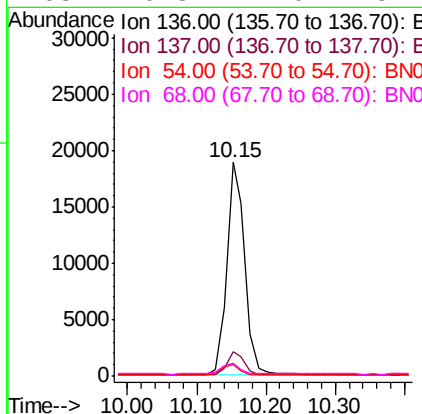
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Tgt Ion:	136	Resp:	34901
Ion	Ratio	Lower	Upper
136	100		
137	11.1	12.9	19.3#
54	5.2	8.6	12.8#
68	6.3	17.0	25.4#





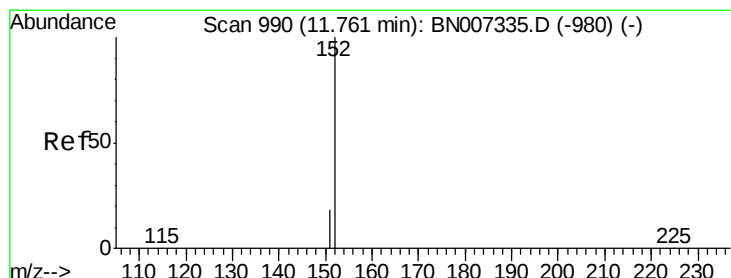
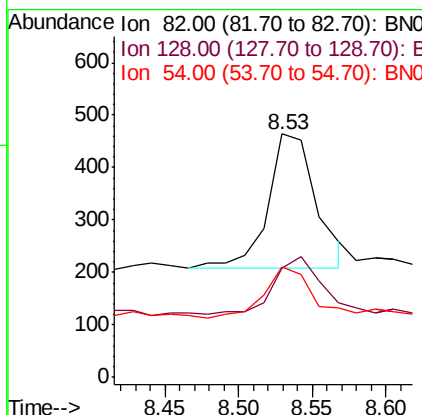
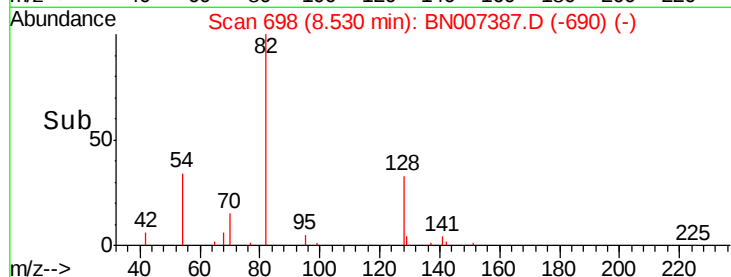
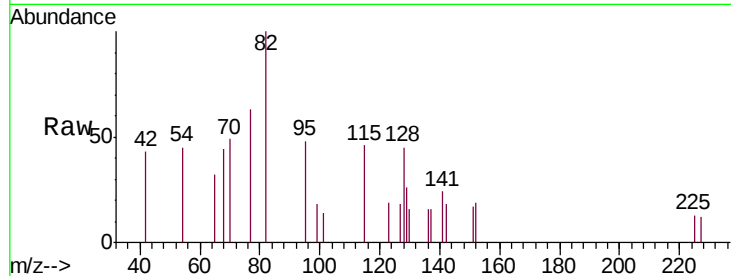
#8
 Nitrobenzene-d5
 Concen: 0.019 ng
 RT: 8.53 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BN007387.D
 Acq: 25 Aug 2019 06:42

Instrument :
 BNA_N
 ClientSampleId :
 S705-N-0.0-0.5-082219

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	19.7	29.5#
54	45.3	25.8	38.6#

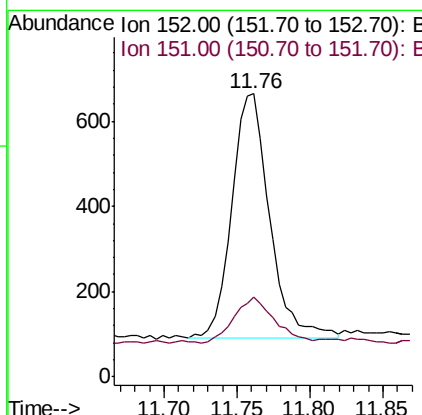
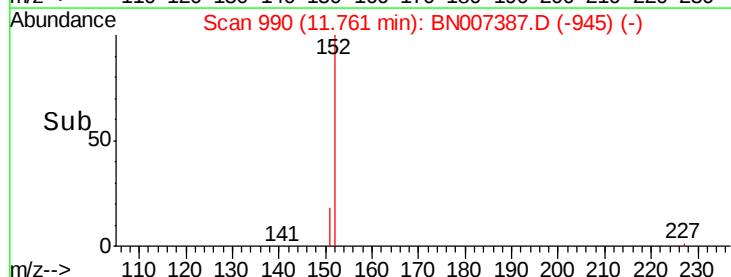
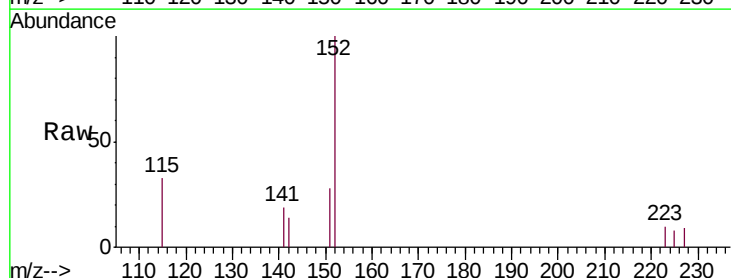
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#11
 2-Methylnaphthalene-d10
 Concen: 0.018 ng
 RT: 11.76 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BN007387.D
 Acq: 25 Aug 2019 06:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2





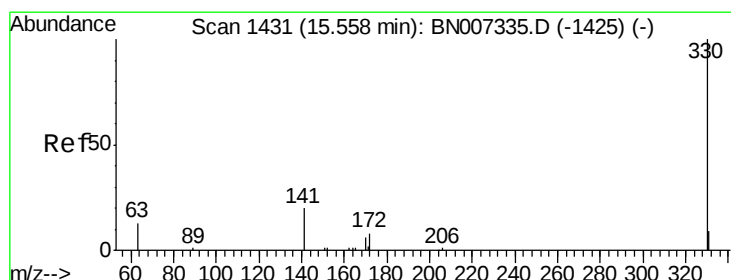
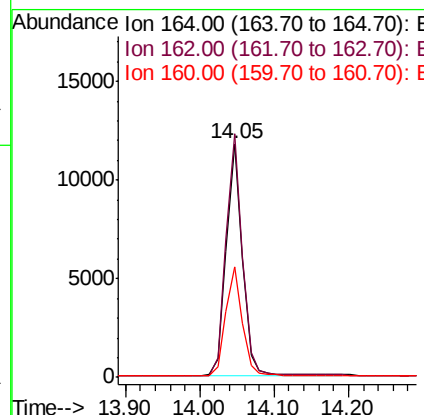
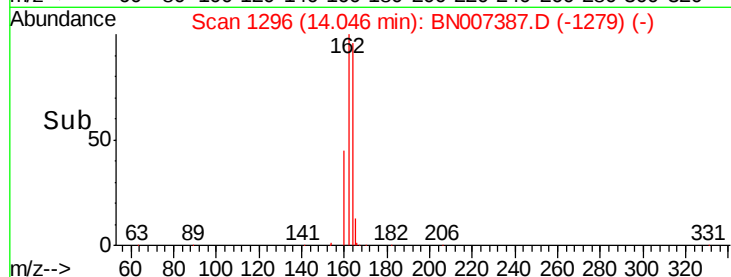
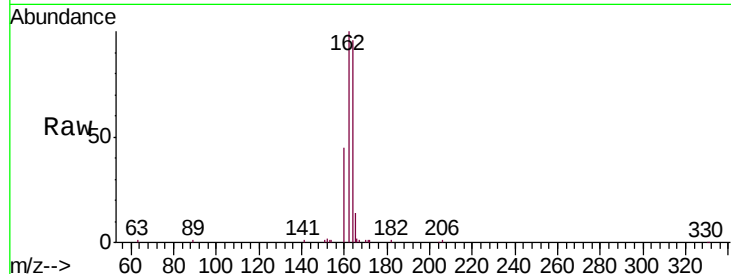
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Instrument :
BNA_N
ClientSampleId :
S705-N-0.0-0.5-082219

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.5	125.3
160	47.1	38.2	57.4

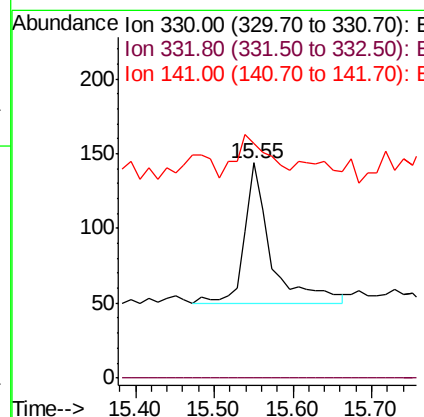
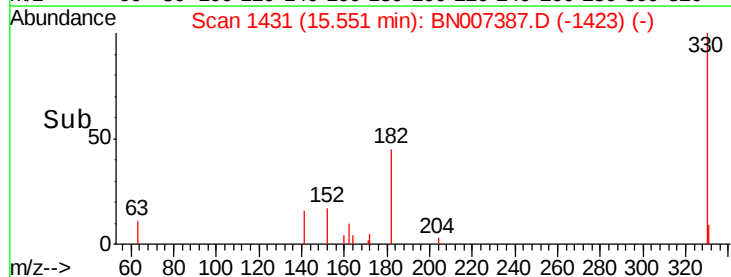
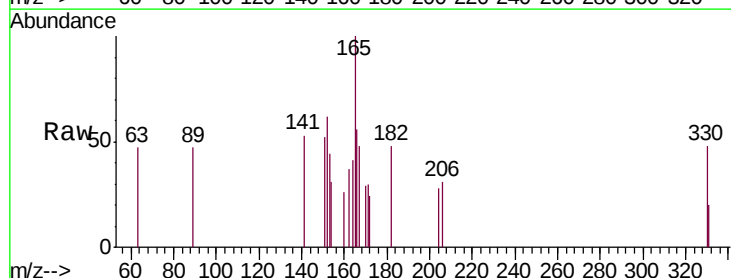
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#14
2,4,6-Tribromophenol
Concen: 0.023 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.7	26.9	40.3





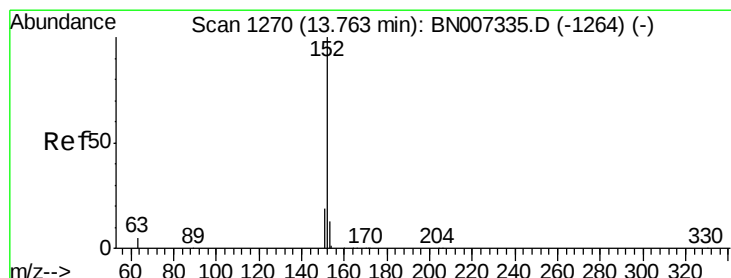
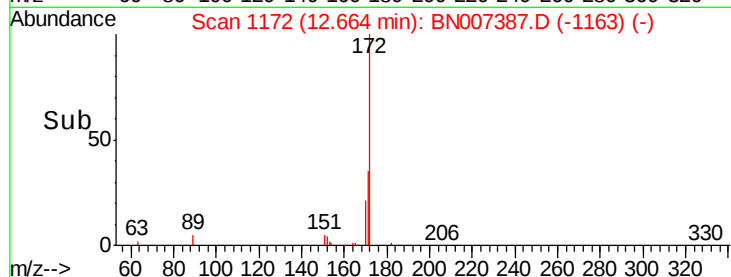
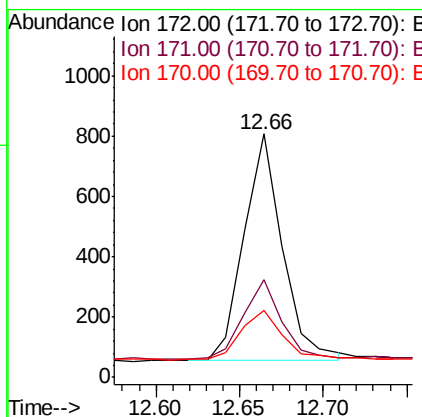
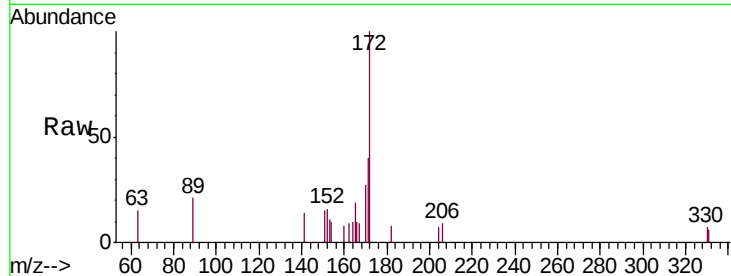
#15
2-Fluorobiphenyl
Concen: 0.017 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Instrument :
BNA_N
ClientSampleId :
S705-N-0.0-0.5-082219

Tot Ion:	172	Resp:	1206
Ion Ratio	Lower	Upper	
172	100		
171	40.1	30.3	45.5
170	27.4	20.7	31.1

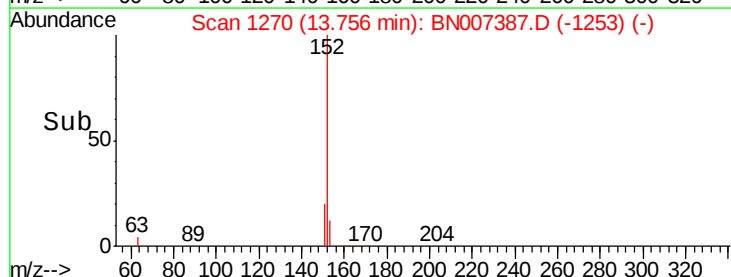
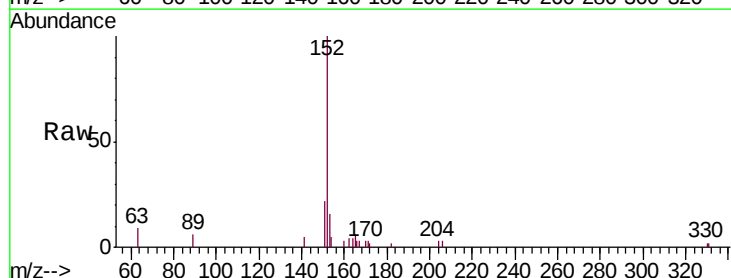
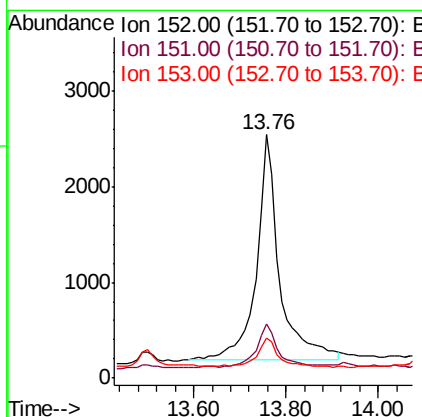
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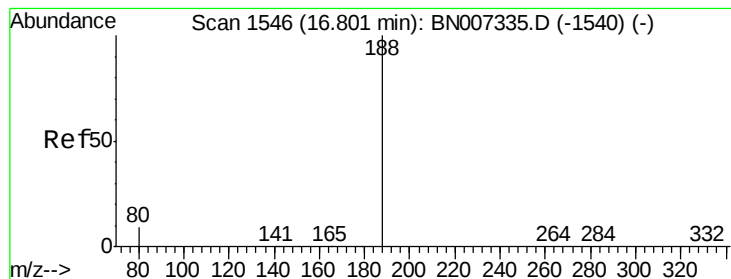
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#16
Acenaphthylene
Concen: 0.076 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Tgt Ion:	152	Resp:	8101
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.1	24.1
153	11.5	10.6	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

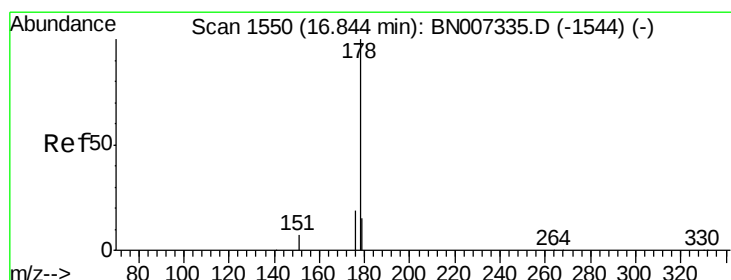
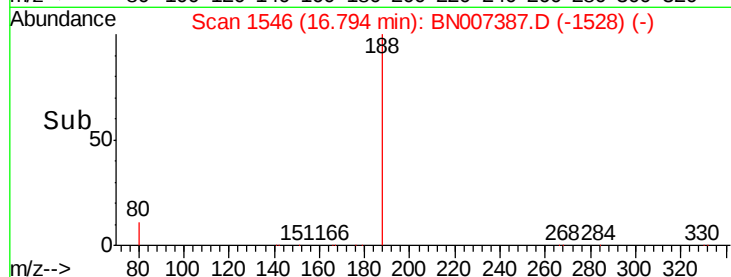
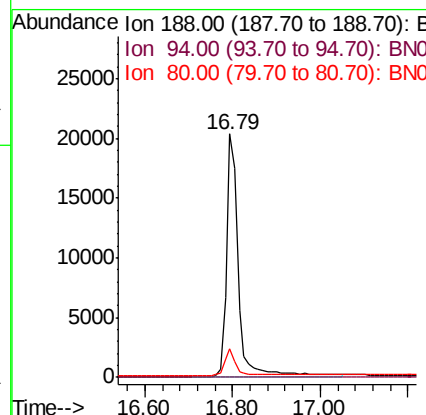
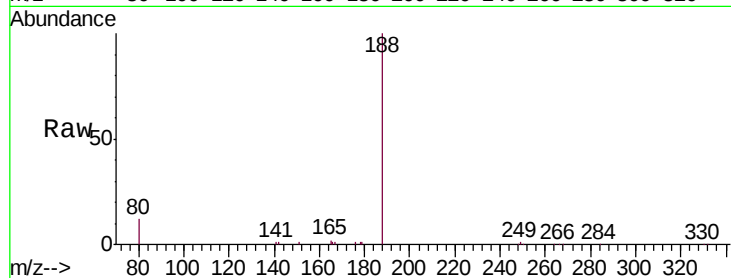
ClientSampleId :

S705-N-0.0-0.5-082219

Tot Ion:	188	Resp:	37690
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.6	11.8	17.8#

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#23

Phenanthrene

Concen: 0.051 ng

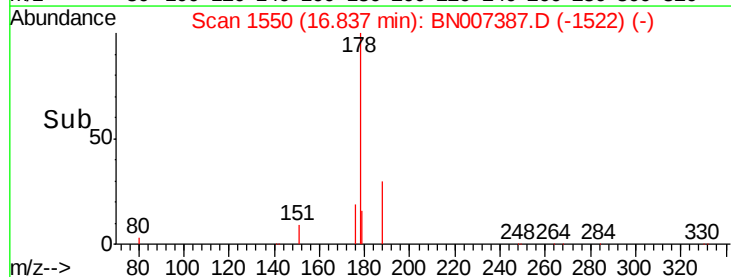
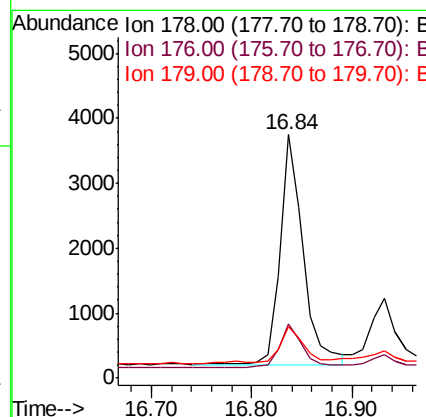
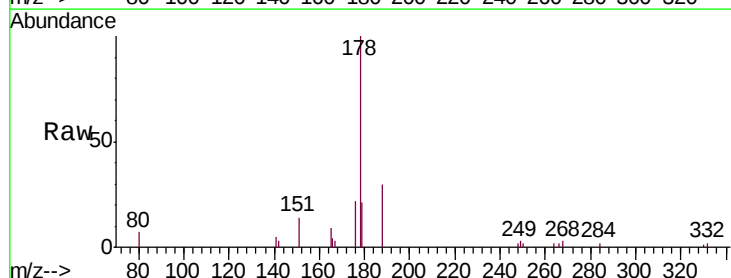
RT: 16.84 min Scan# 1550

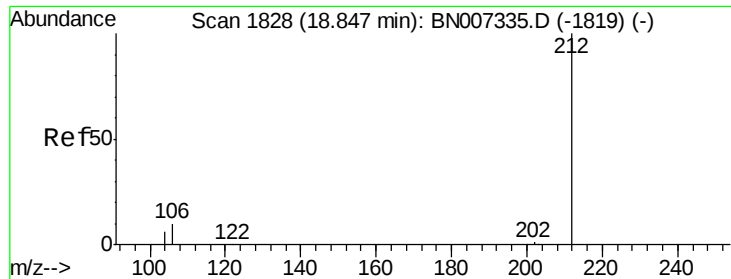
Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Tgt Ion:	178	Resp:	5741
Ion Ratio	Lower	Upper	
178	100		
176	20.8	15.3	22.9
179	15.1	12.6	19.0





#25

Fluoranthene-d10

Concen: 0.015 ng

RT: 18.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

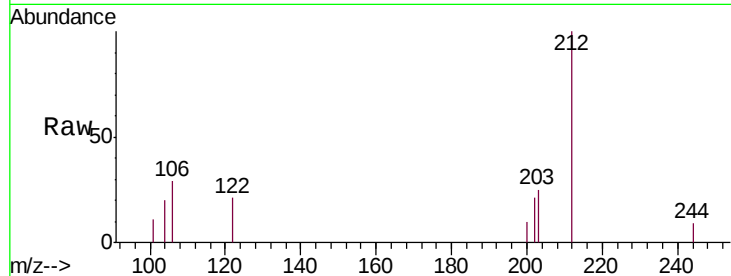
ClientSampleId :

S705-N-0.0-0.5-082219

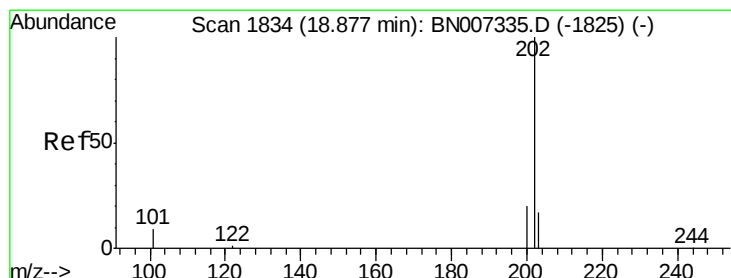
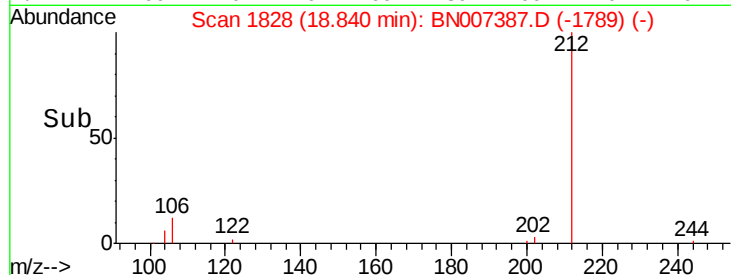
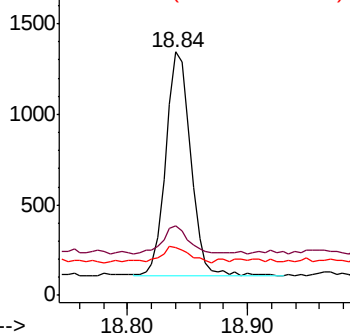
Tot Ion:	212	Resp:	1770
Ion Ratio	Lower	Upper	
212	100		
106	12.7	9.0	13.4
104	8.0	5.4	8.2

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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: 0.127 ng

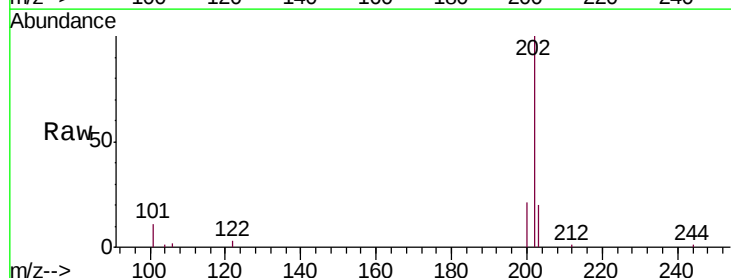
RT: 18.87 min Scan# 1834

Delta R.T. -0.01 min

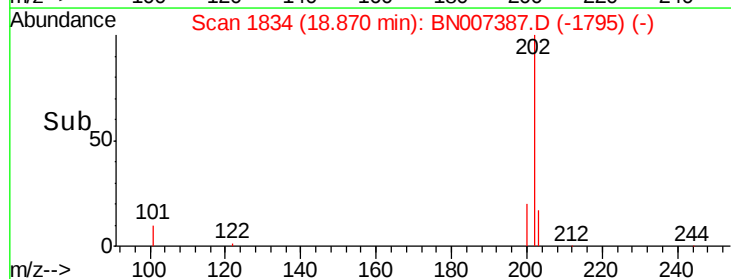
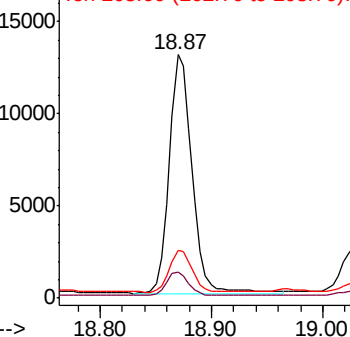
Lab File: BN007387.D

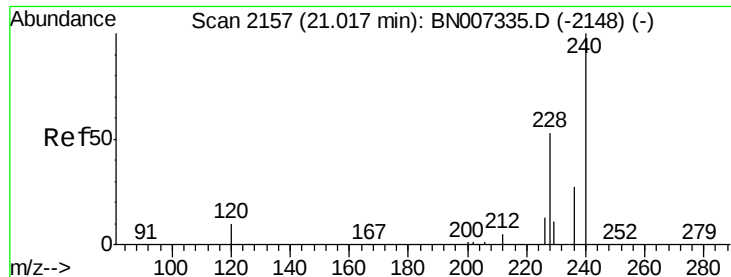
Acq: 25 Aug 2019 06:42

Tgt Ion:	202	Resp:	18439
Ion Ratio	Lower	Upper	
202	100		
101	9.6	7.7	11.5
203	17.0	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





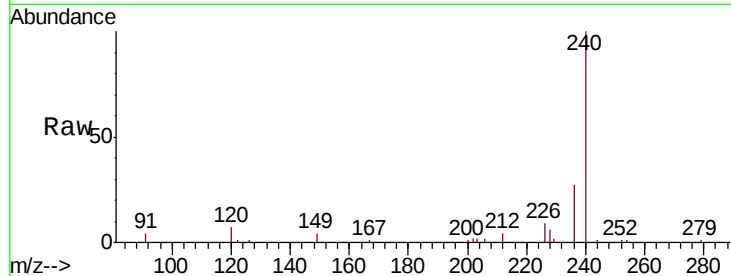
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Instrument :
BNA_N
ClientSampleId :
S705-N-0.0-0.5-082219

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.3	9.6	14.4#
236	27.1	22.2	33.2

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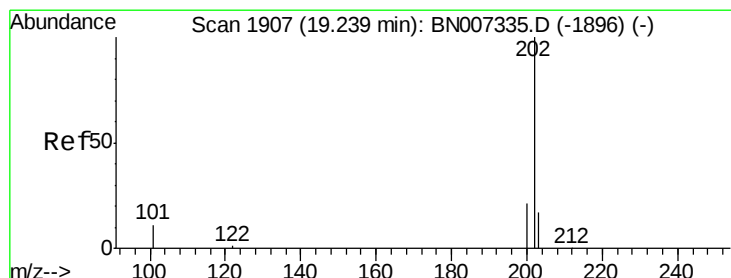
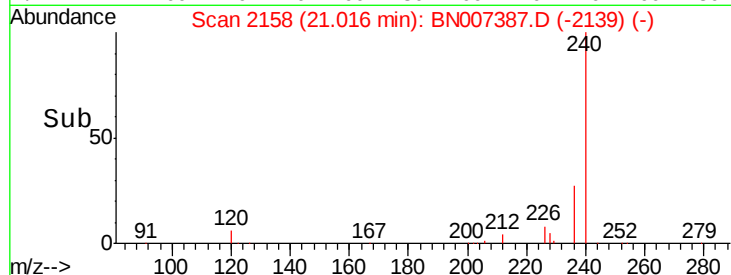
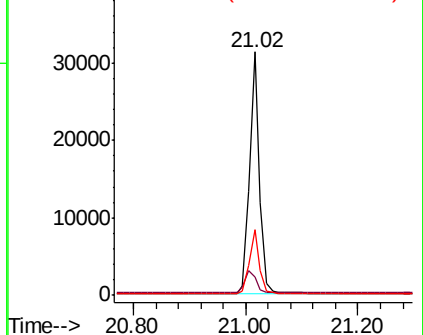


Abundance

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: 0.104 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

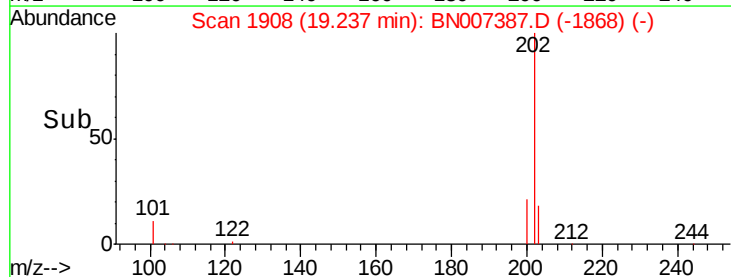
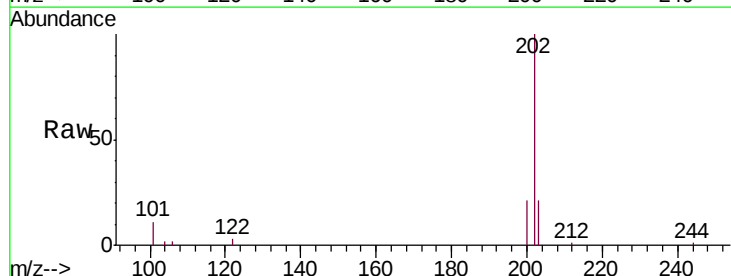
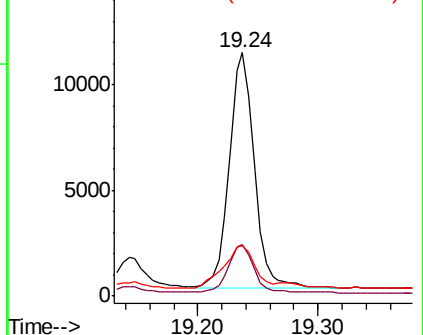
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	22.3	14.2	21.4#

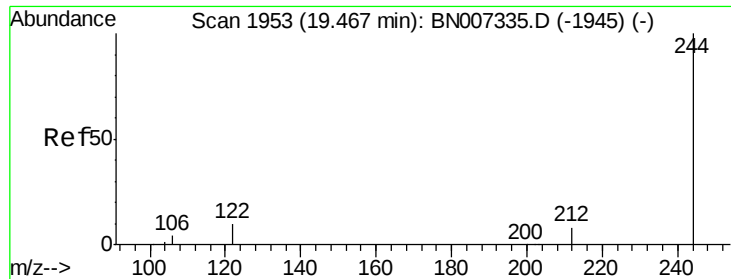
Abundance

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: 0.013 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

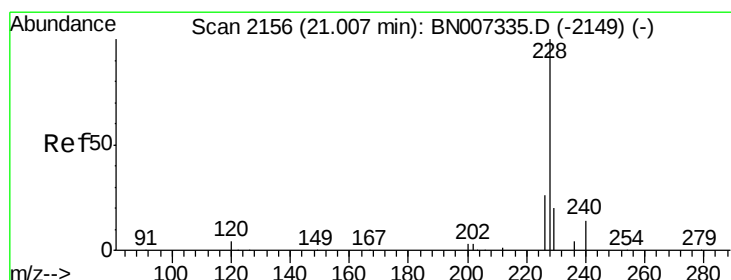
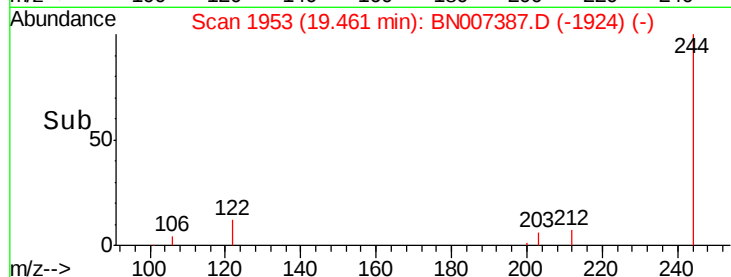
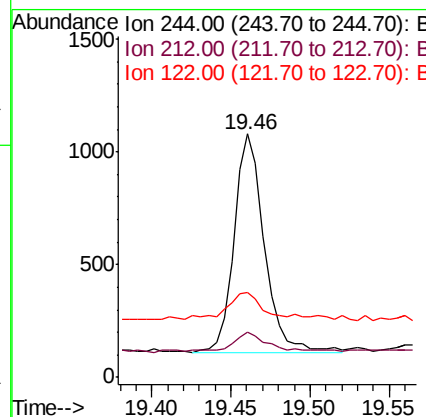
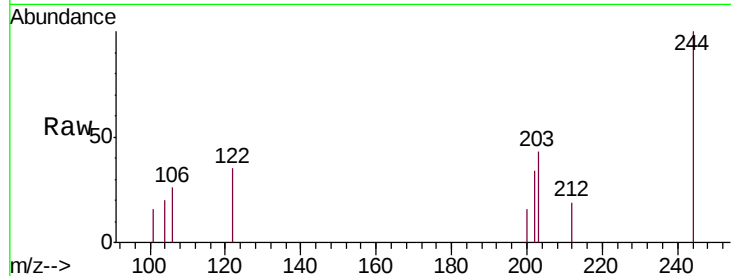
ClientSampleId :

S705-N-0.0-0.5-082219

Tot Ion:	244	Resp:	1300
Ion Ratio	Lower	Upper	
244	100		
212	18.5	7.0	10.6#
122	34.7	9.6	14.4#

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#30

Benzo(a)anthracene

Concen: 0.052 ng

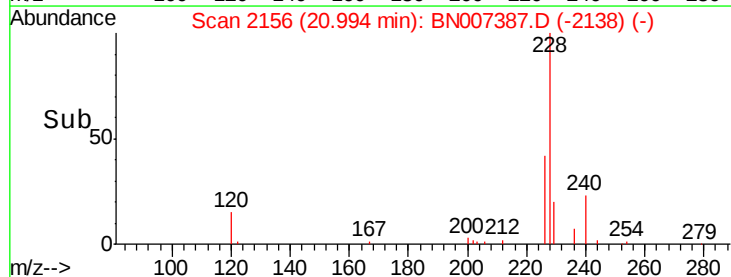
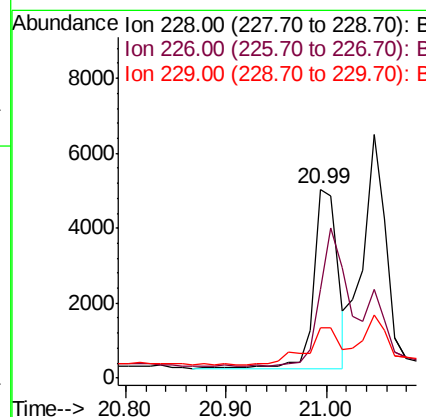
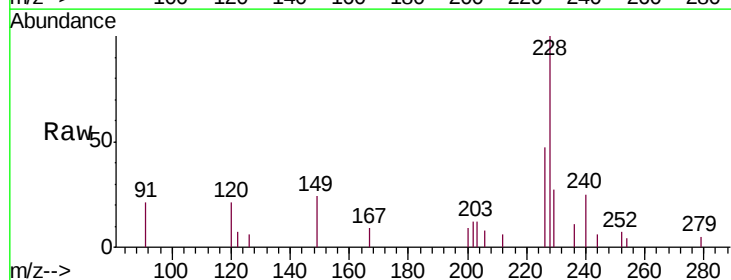
RT: 20.99 min Scan# 2156

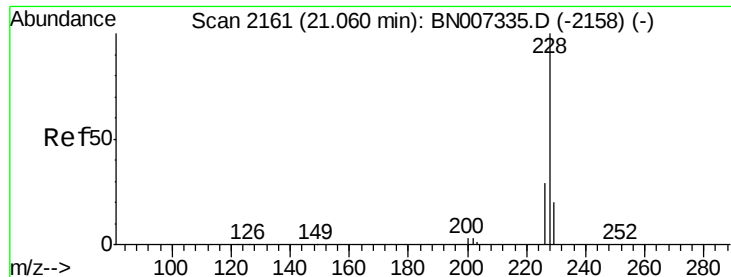
Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Tgt Ion:	228	Resp:	7901
Ion Ratio	Lower	Upper	
228	100		
226	46.8	21.3	31.9#
229	26.8	16.1	24.1#





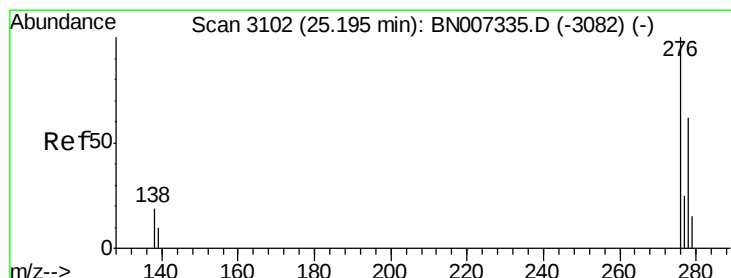
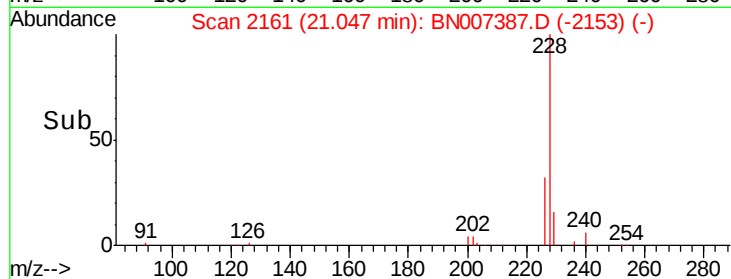
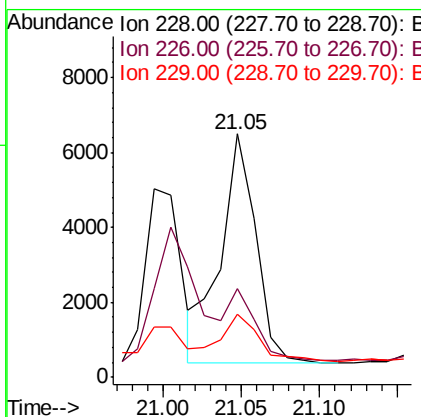
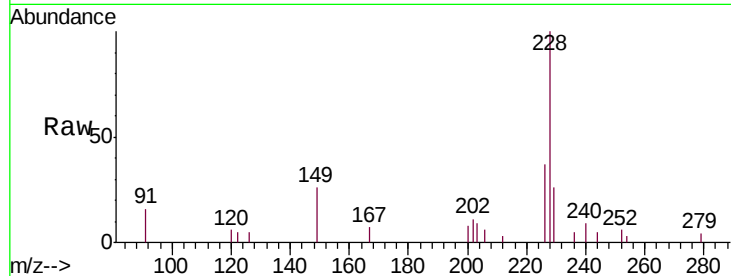
#31
Chrysene
Concen: 0.066 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Instrument :
BNA_N
ClientSampleId :
S705-N-0.0-0.5-082219

Tot Ion:228	Resp:	9656
Ion Ratio	Lower	Upper
228 100		
226 36.6	23.5	35.3#
229 25.7	16.6	24.8#

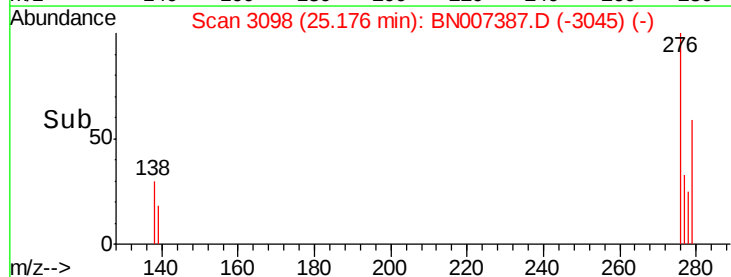
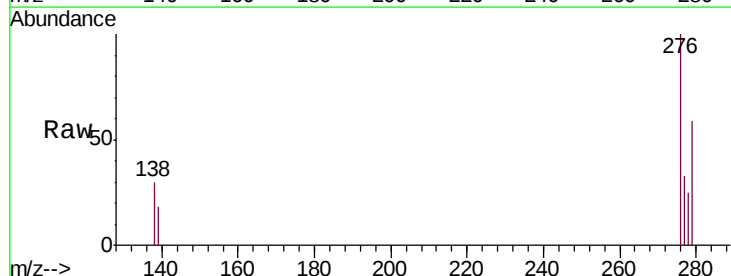
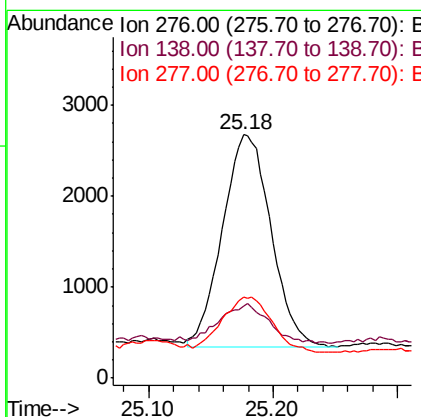
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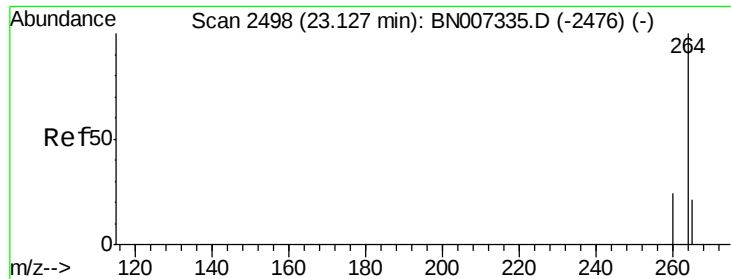
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.036 ng
RT: 25.18 min Scan# 3098
Delta R.T. -0.02 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Tgt Ion:276	Resp:	6276
Ion Ratio	Lower	Upper
276 100		
138 0.0	15.1	22.7#
277 26.4	19.7	29.5





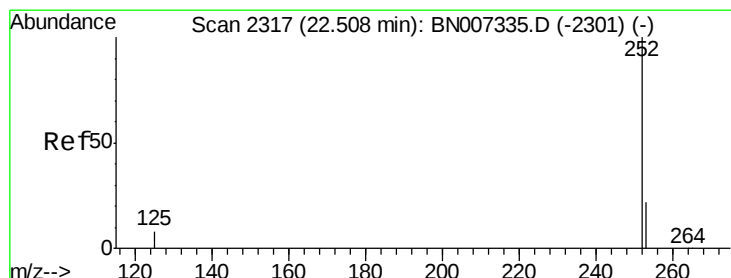
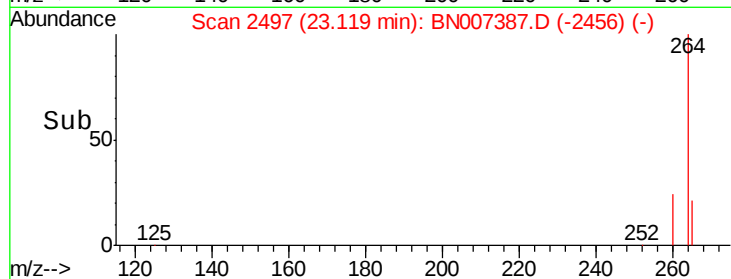
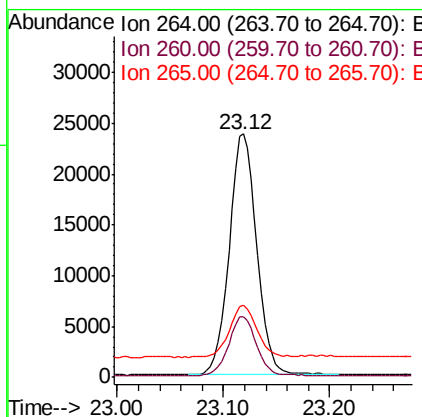
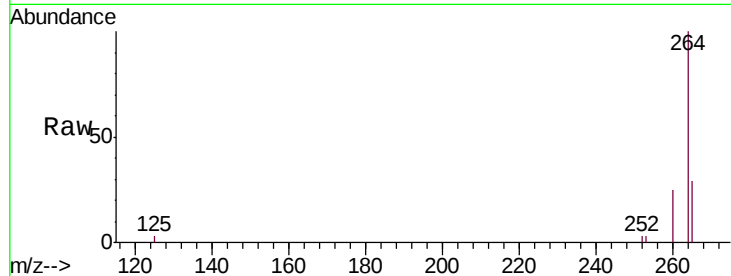
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BN007387.D
 Acq: 25 Aug 2019 06:42

Instrument :
 BNA_N
 ClientSampleId :
 S705-N-0.0-0.5-082219

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	29.4	29.9	44.9#

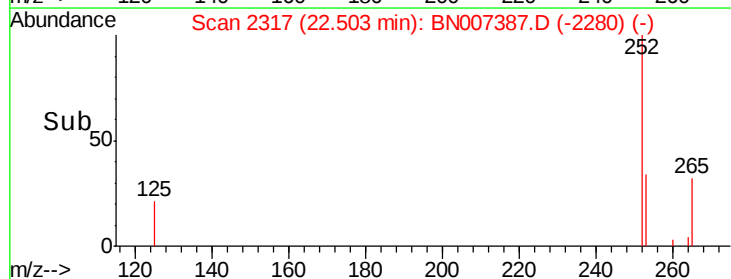
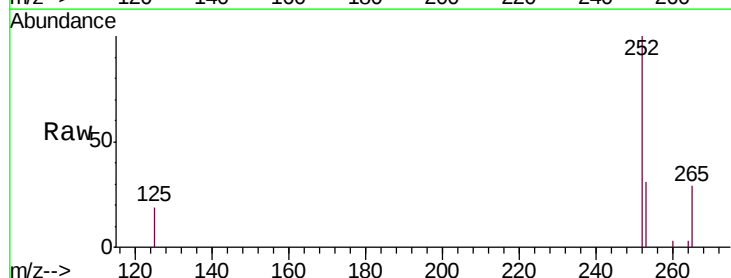
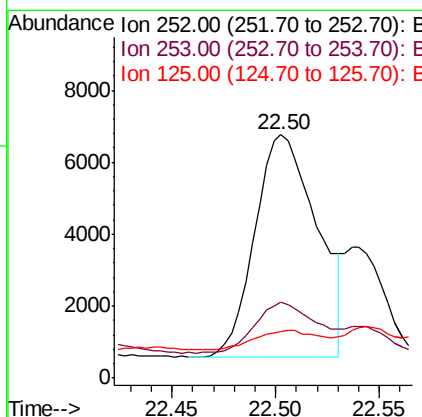
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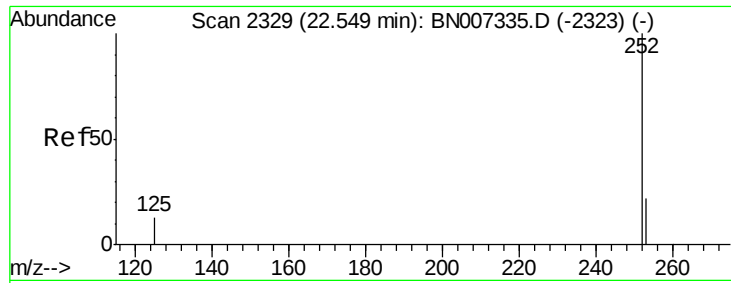
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 0.084 ng
 RT: 22.50 min Scan# 2317
 Delta R.T. -0.01 min
 Lab File: BN007387.D
 Acq: 25 Aug 2019 06:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.2	19.2	28.8#
125	19.1	10.6	16.0#





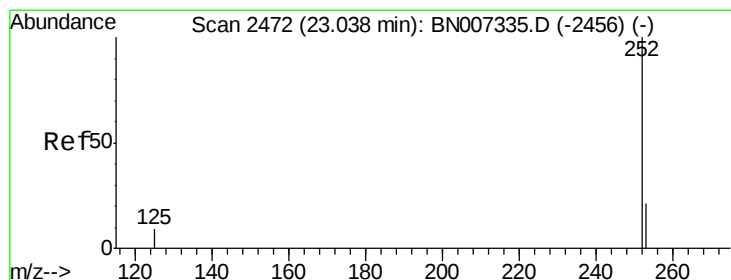
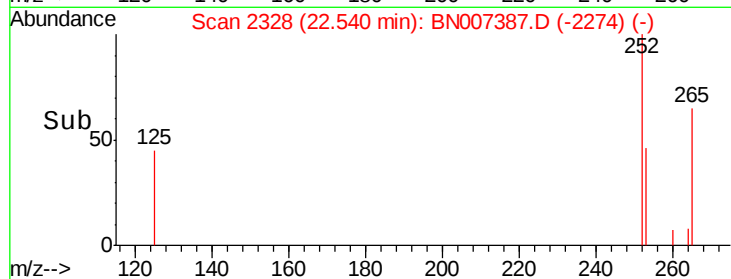
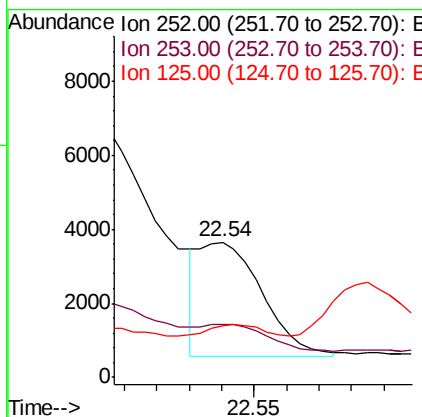
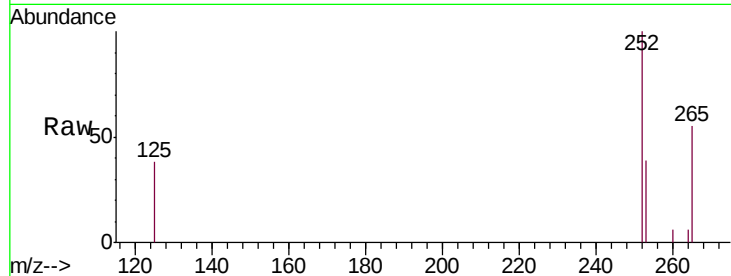
#36
Benzo(k)fluoranthene
Concen: 0.027 ng m
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Instrument :
BNA_N
ClientSampleId :
S705-N-0.0-0.5-082219

Tot Ion	Ratio	Lower	Upper
252	100		
253	39.0	19.4	29.2#
125	38.1	13.1	19.7#

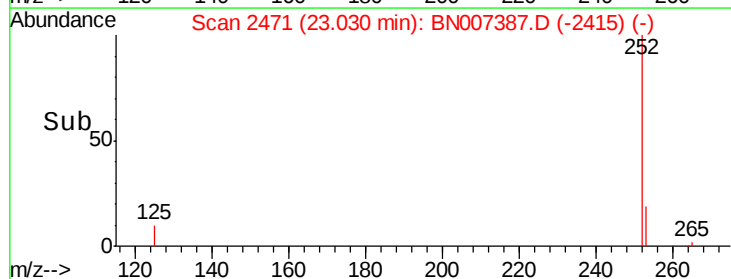
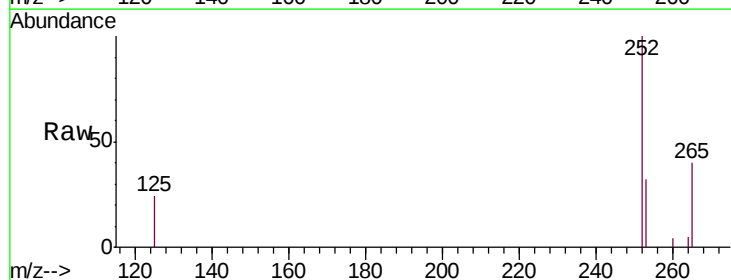
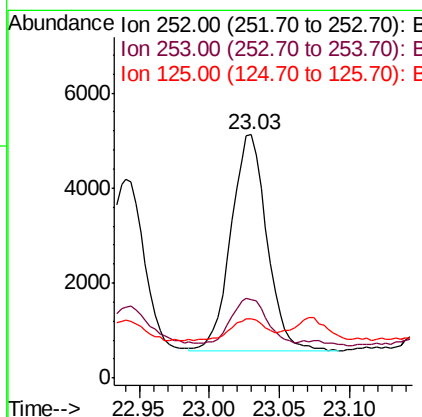
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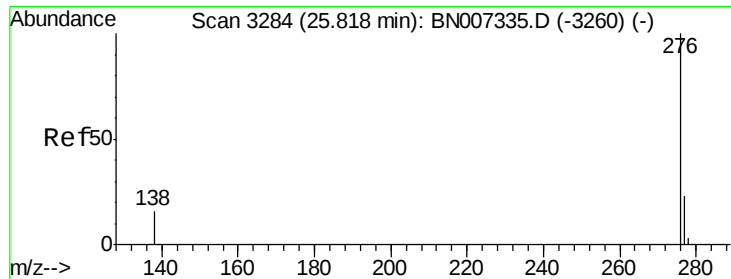
mohammad
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#37
Benzo(a)pyrene
Concen: 0.055 ng
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	19.5	29.3#
125	24.5	12.1	18.1#





#39

Benzo(a,h,i)perylene

Concen: 0.045 ng

RT: 25.80 min Scan# 3281

Delta R.T. -0.02 min

Lab File: BN007387.D

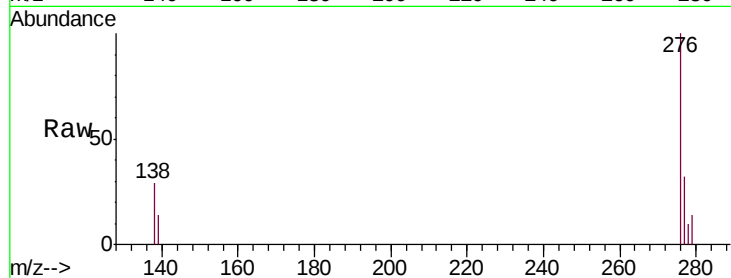
Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219



Tot Ion:	276	Resp:	6569
Ion Ratio	Lower	Upper	
276	100		
277	31.5	19.6	29.4#
138	29.0	16.3	24.5#

Manual Integrations
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8/31/2019 2:40:40 PM

