

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
 Data File : BN007396.D
 Acq On : 25 Aug 2019 15:27
 Operator : HP/JU
 Sample : K4409-11DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S301-J-2.0-2.5-081919DL

Manual Integrations
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 8/26/2019 3:25:11 PM

Quant Time: Aug 26 06:07:15 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	38258	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	153724	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	89194	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	184236	0.40	ng	0.00
27) Chrysene-d12	21.02	240	201482	0.40	ng	0.00
34) Perylene-d12	23.13	264	227350	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	925	-0.02	ng	0.00
5) Phenol-d6	6.59	99	1176	-0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	924	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	1713	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	343	0.01	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2179	0.01	ng	0.00
25) Fluoranthene-d10	18.84	212	3534	0.01	ng	0.00
29) Terphenyl-d14	19.46	244	2930	0.01	ng	0.00
Target Compounds						
23) Phenanthrene	16.84	178	108576	0.196	ng	Qvalue 100
24) Anthracene	16.93	178	29242	0.052	ng	99
26) Fluoranthene	18.87	202	367579	0.517	ng	100
28) Pyrene	19.24	202	302738	0.374	ng	# 96
30) Benzo(a)anthracene	21.00	228	226561	0.286	ng	100
31) Chrysene	21.06	228	182117	0.238	ng	97
33) Indeno(1,2,3-cd)pyrene	25.18	276	111086	0.121	ng	99
35) Benzo(b)fluoranthene	22.51	252	243352m	0.295	ng	
36) Benzo(k)fluoranthene	22.54	252	92415m	0.114	ng	
37) Benzo(a)pyrene	23.03	252	182225m	0.232	ng	
38) Dibenzo(a,h)anthracene	25.19	278	29742	0.038	ng	98
39) Benzo(g,h,i)perylene	25.81	276	100885	0.129	ng	97

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

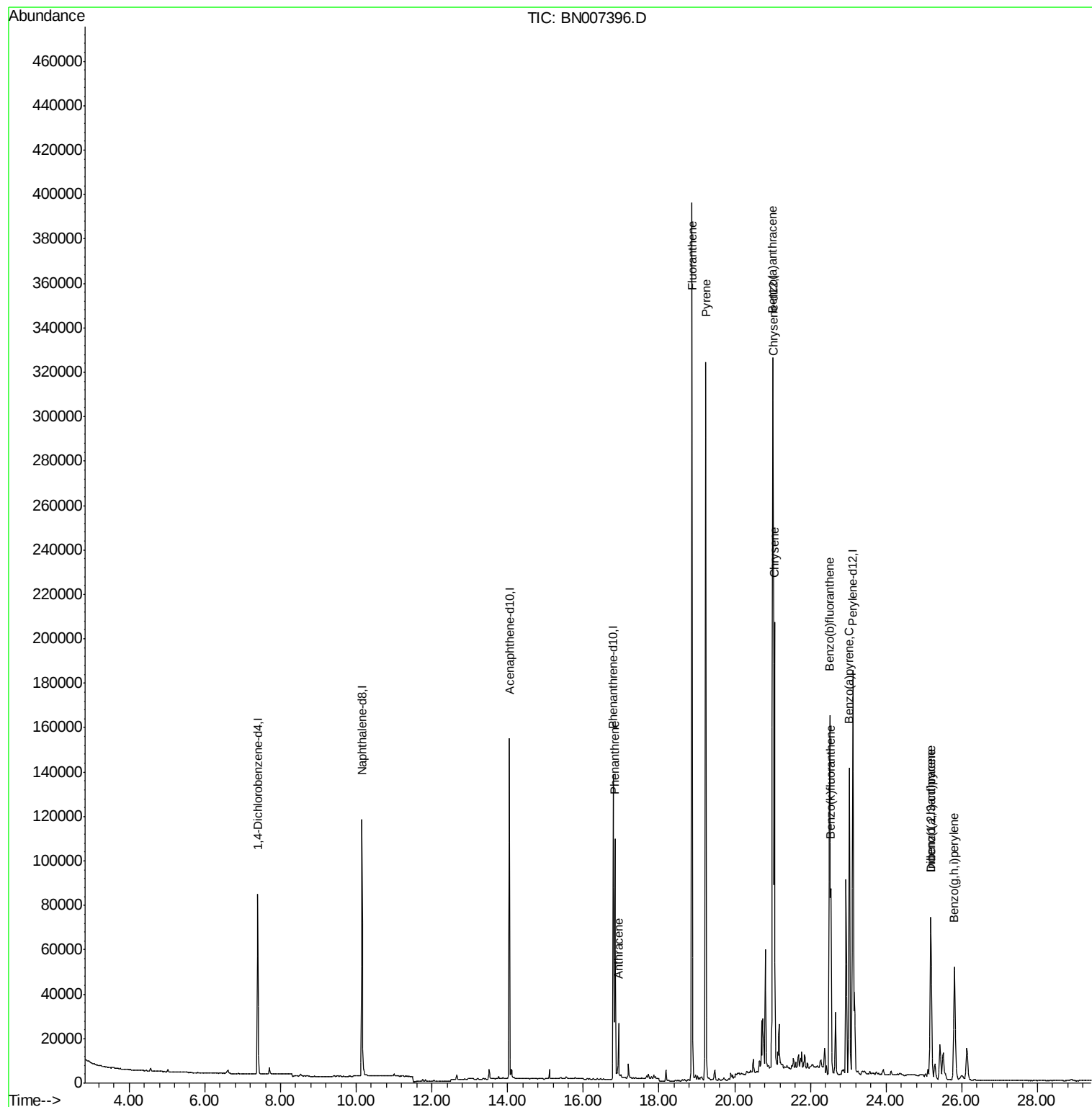
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
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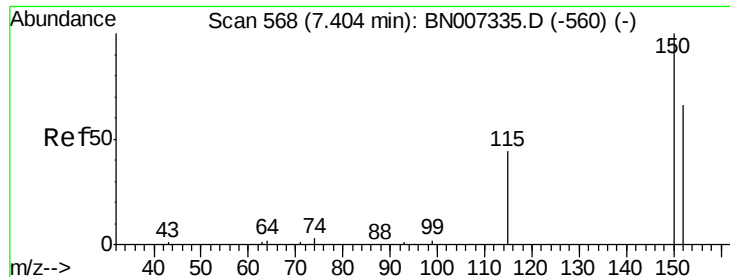
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#1

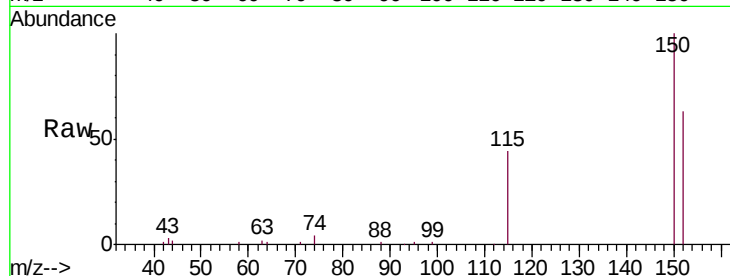
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	109.1	163.7
115	69.1	59.6	89.4

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Abundance

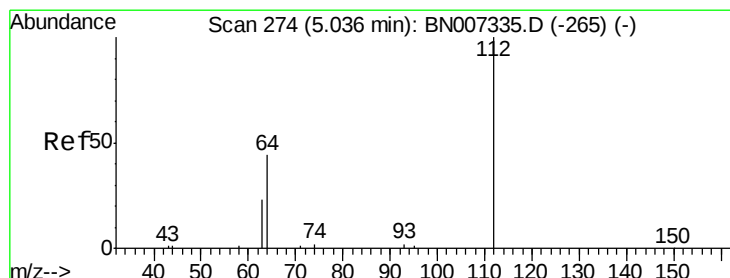
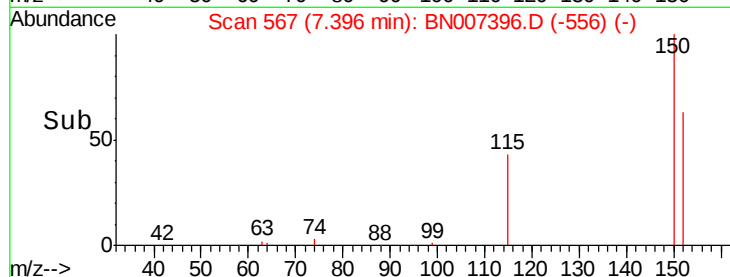
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.40

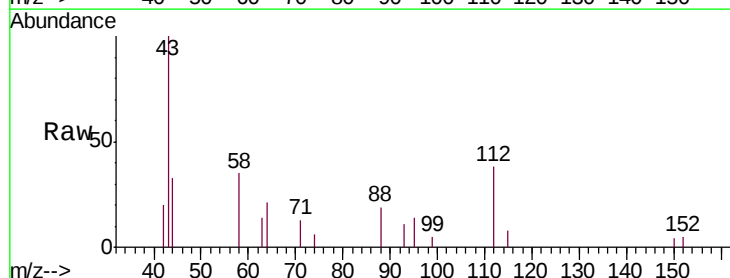
Time-->



#4

2-Fluorophenol
Concen: -0.023 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.3	63.5
63	30.4	23.6	35.4



Abundance

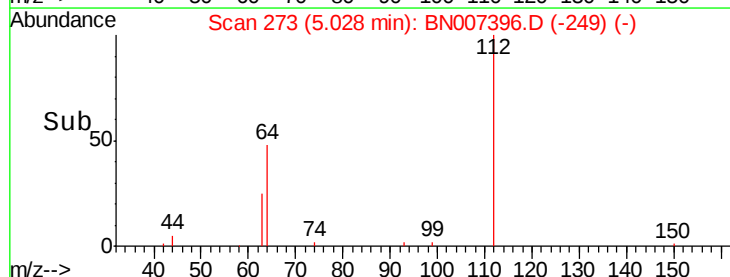
Ion 112.00 (111.70 to 112.70): E

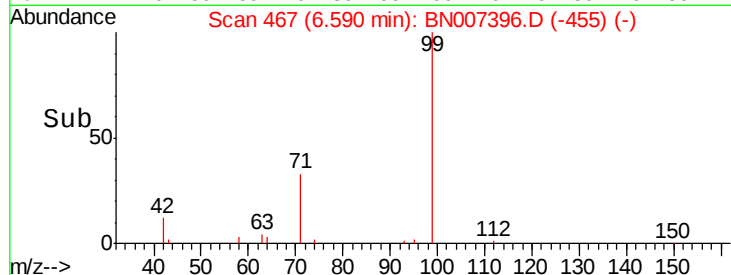
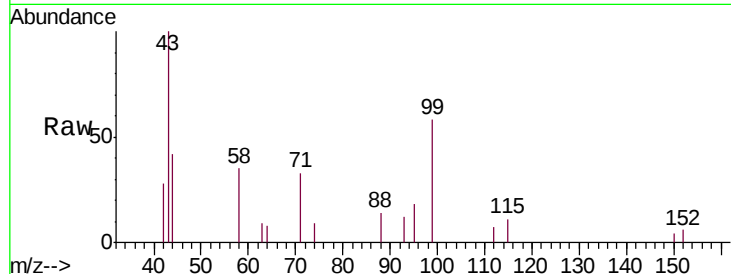
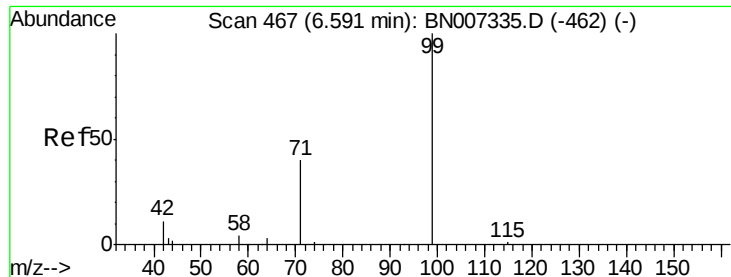
Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

5.03

Time-->





#5

Phenol-d6

Concen: -0.025 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Tot Ion:	99	Resp:	1176
Ion	Ratio	Lower	Upper
99	100		
42	20.0	11.2	16.8#
71	40.8	31.8	47.8

Instrument :

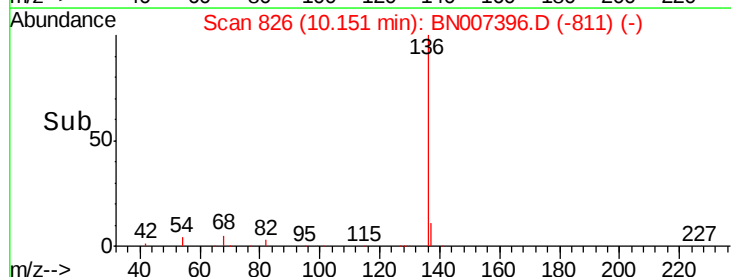
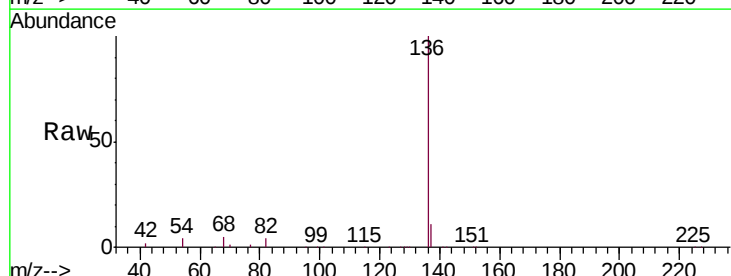
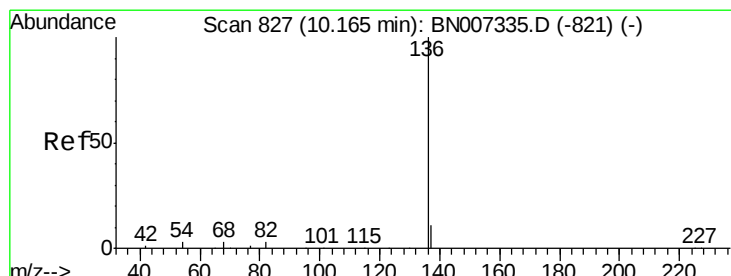
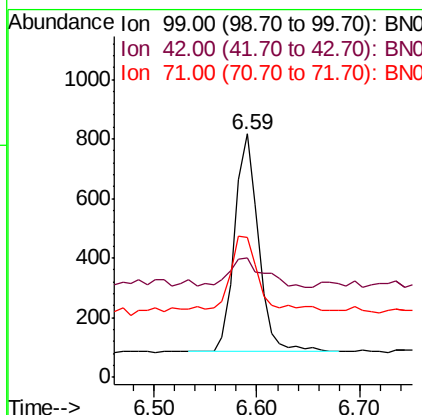
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

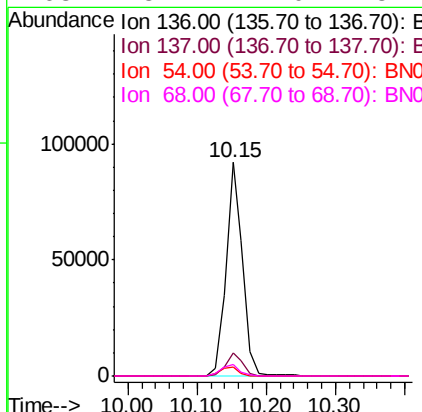
RT: 10.15 min Scan# 826

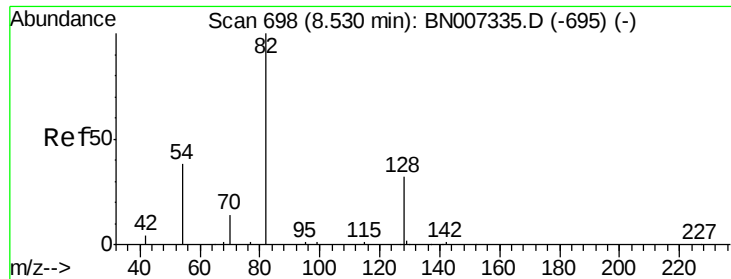
Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Tgt Ion:	136	Resp:	153724
Ion	Ratio	Lower	Upper
136	100		
137	10.9	12.9	19.3#
54	4.1	8.6	12.8#
68	5.2	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.007 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

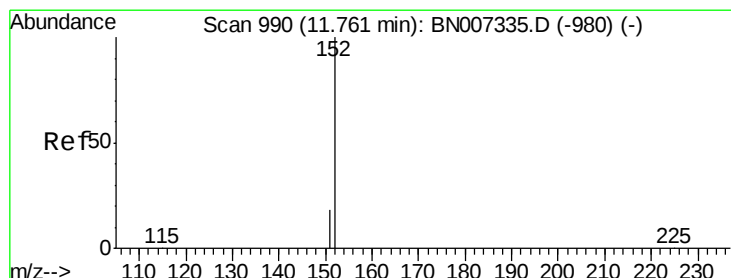
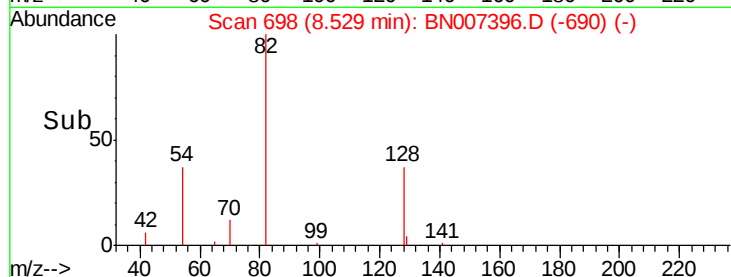
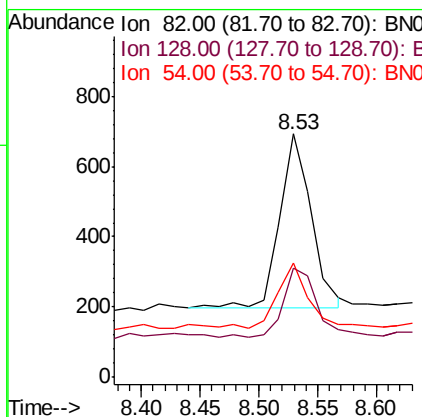
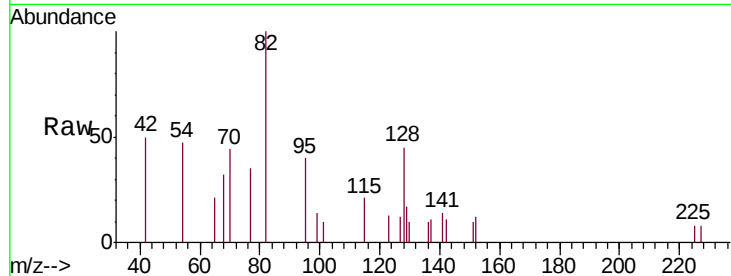
ClientSampleId :

S301-J-2.0-2.5-081919DL

Tot Ion:	82	Resp:	924
Ion Ratio	Lower	Upper	
82	100		
128	44.7	19.7	29.5#
54	46.8	25.8	38.6#

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#11

2-Methylnaphthalene-d10

Concen: 0.007 ng

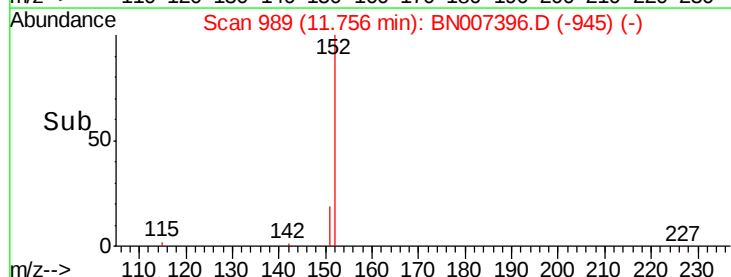
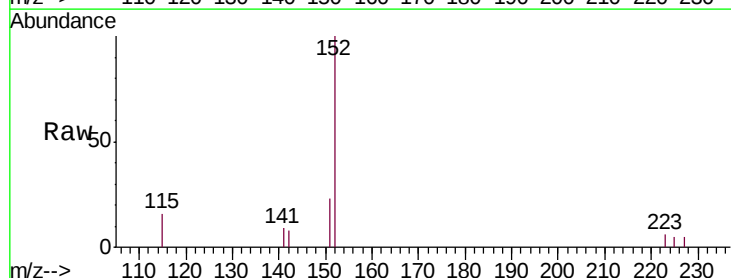
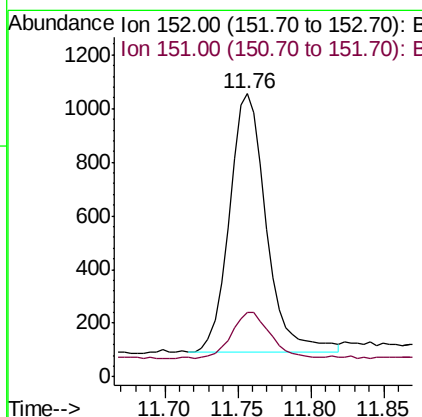
RT: 11.76 min Scan# 989

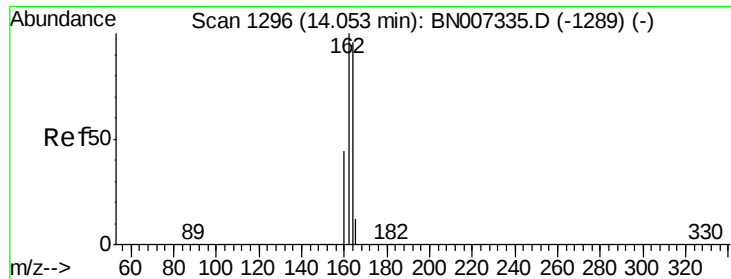
Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Tgt Ion:	152	Resp:	1713
Ion Ratio	Lower	Upper	
152	100		
151	19.4	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: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

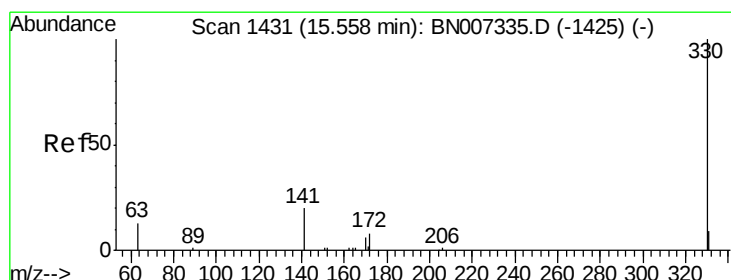
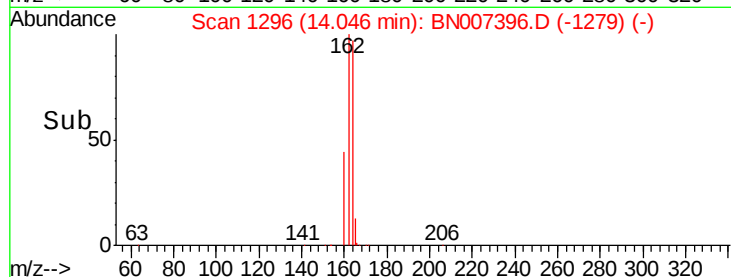
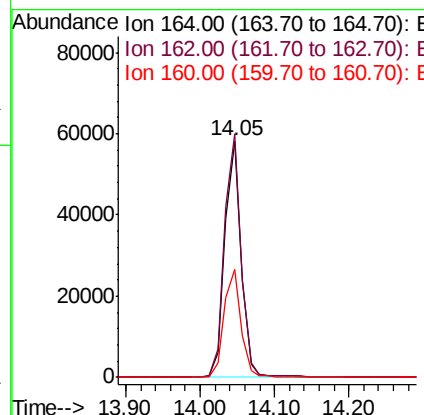
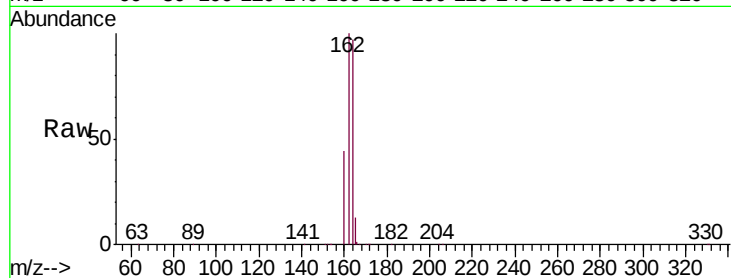
ClientSampleId :

S301-J-2.0-2.5-081919DL

Tot Ion:	164	Resp:	89194
Ion Ratio	Lower	Upper	
164	100		
162	102.9	83.5	125.3
160	45.5	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.007 ng

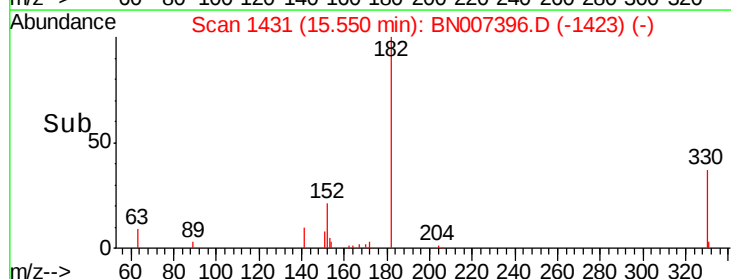
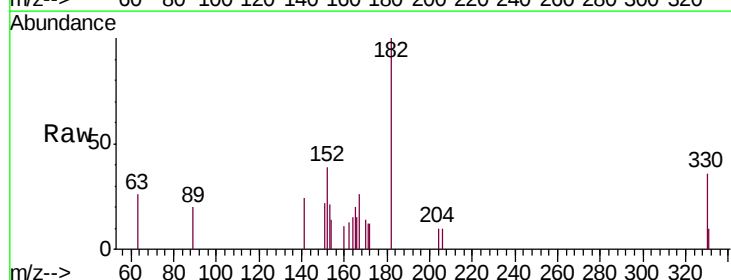
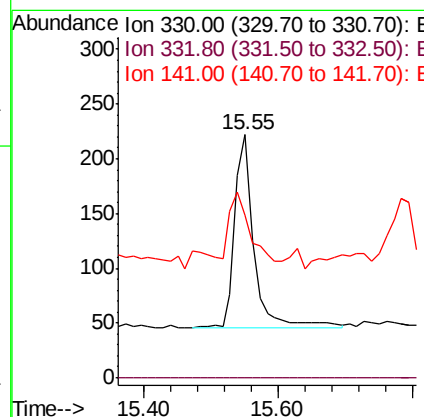
RT: 15.55 min Scan# 1431

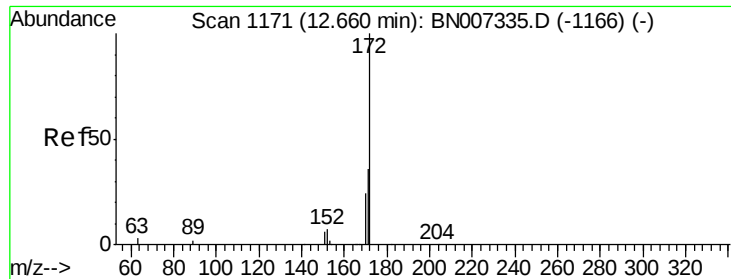
Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Tgt Ion:	330	Resp:	343
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	37.3	26.9	40.3





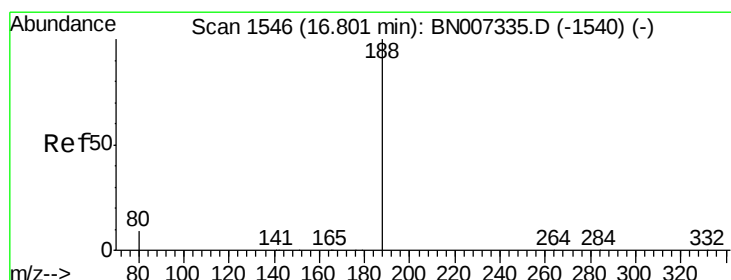
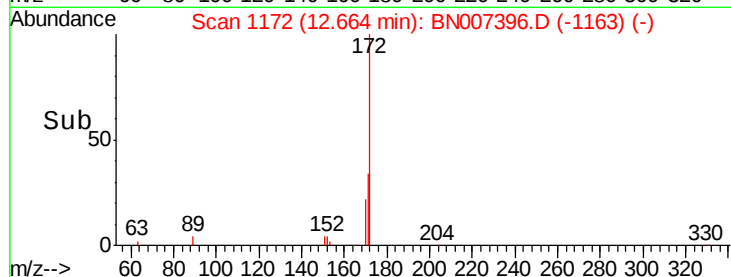
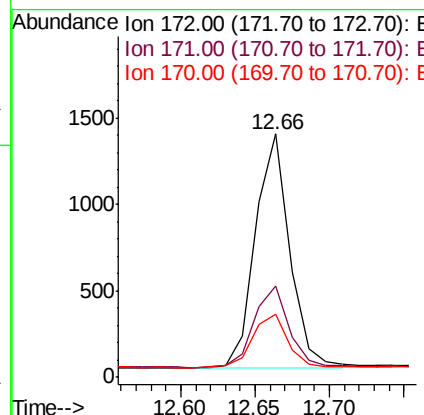
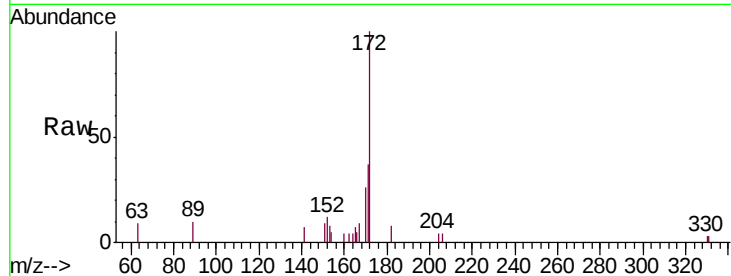
#15
2-Fluorobiphenyl
Concen: 0.006 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.3	45.5
170	25.7	20.7	31.1

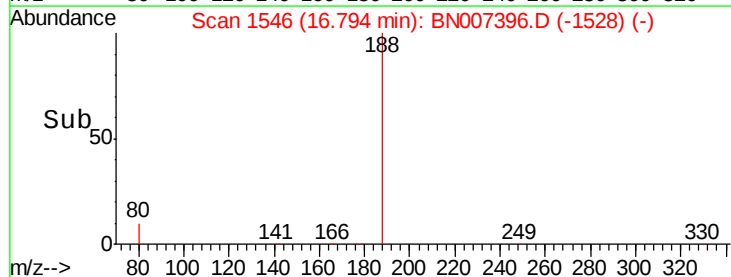
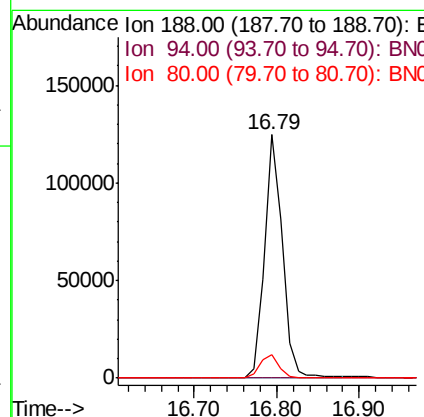
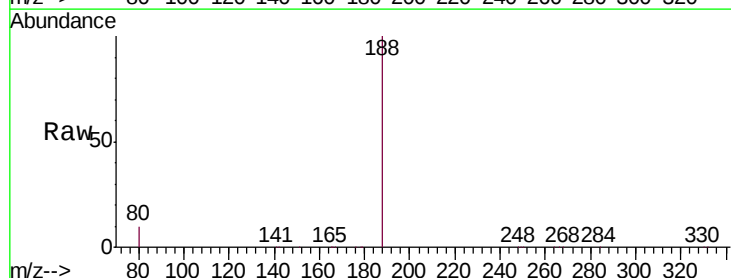
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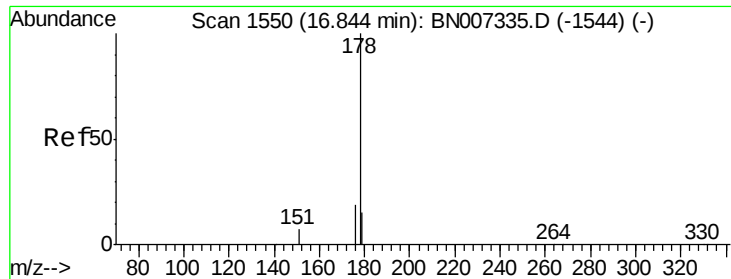
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	11.8	17.8#





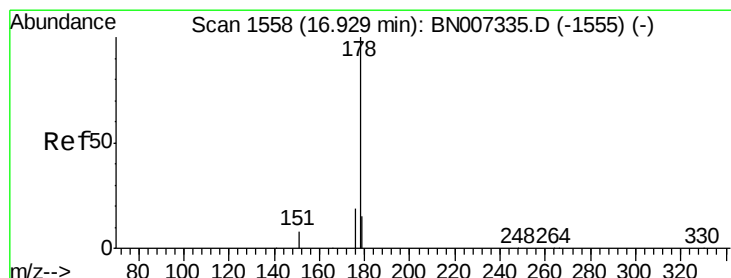
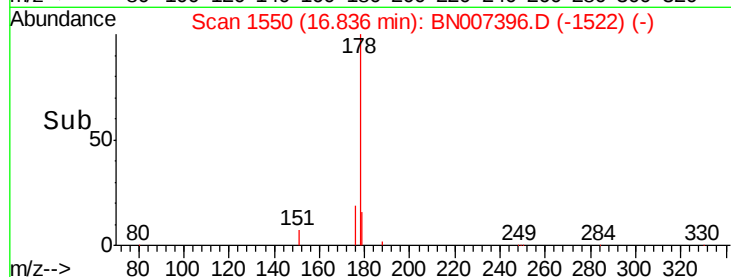
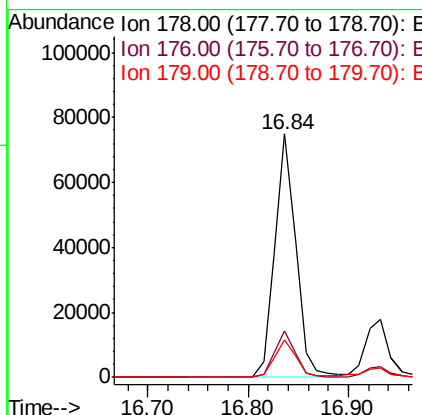
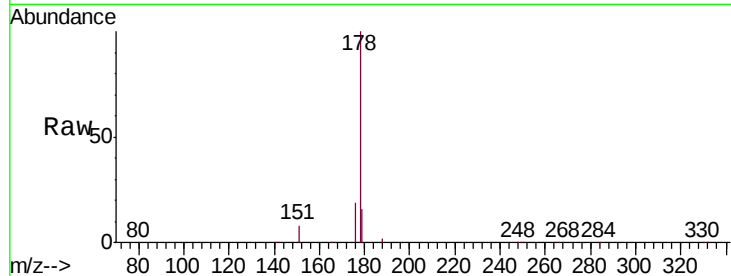
#23
Phenanthrene
Concen: 0.196 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	12.6	19.0

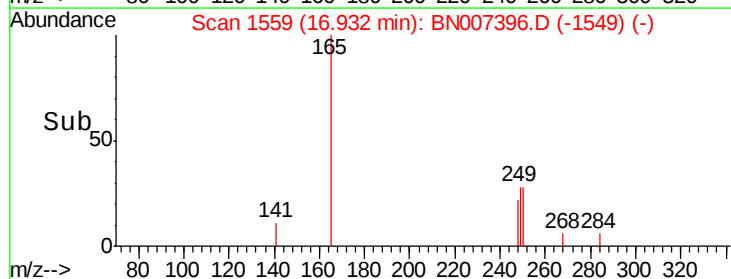
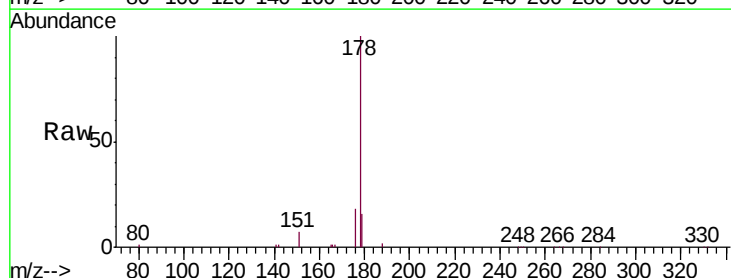
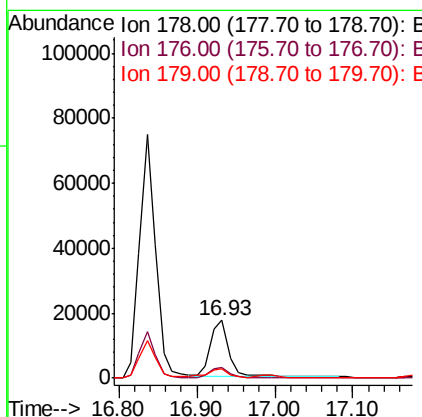
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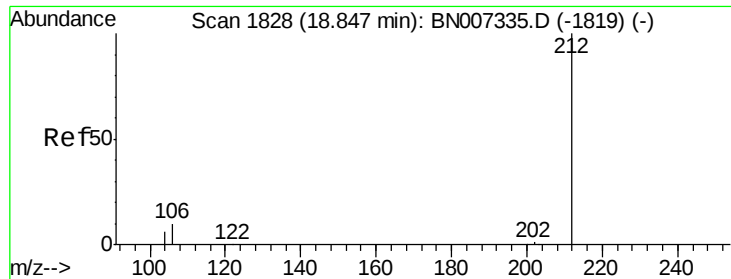
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#24
Anthracene
Concen: 0.052 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.9	22.3
179	15.8	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.006 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

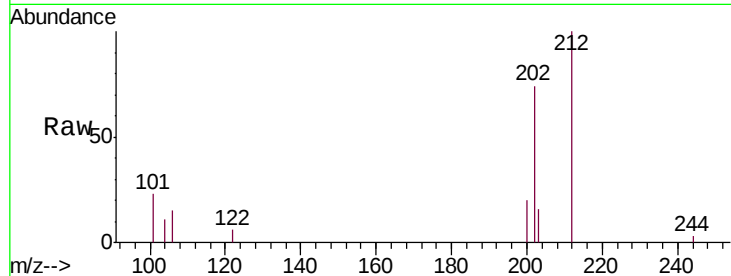
ClientSampleId :

S301-J-2.0-2.5-081919DL

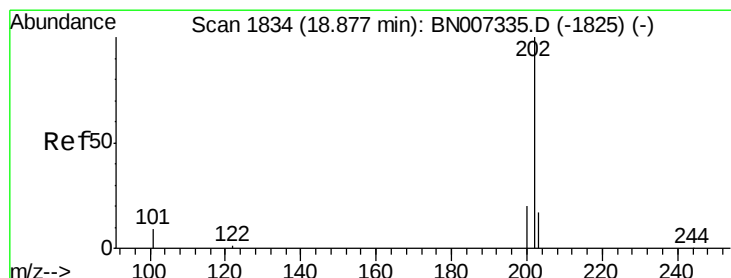
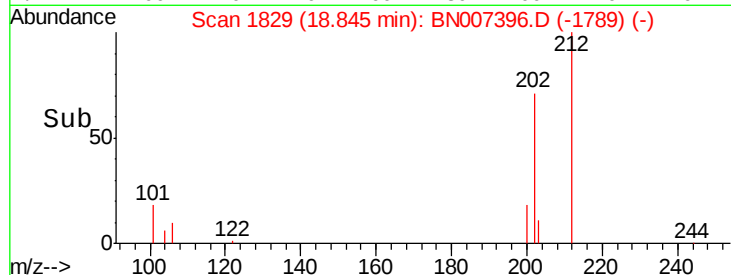
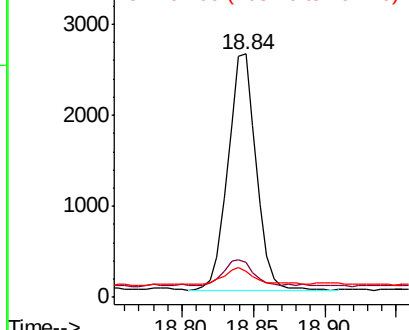
Tot Ion:	212	Resp:	3534
Ion Ratio	Lower	Upper	
212	100		
106	11.3	9.0	13.4
104	8.9	5.4	8.2#

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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: 0.517 ng

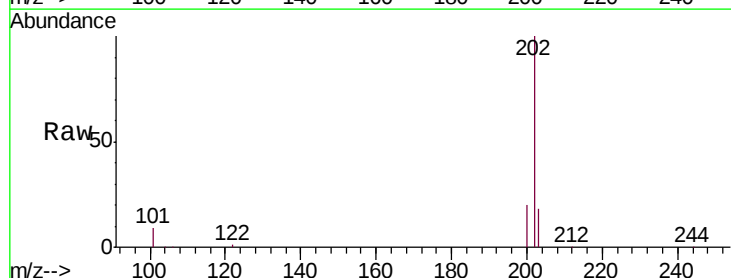
RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

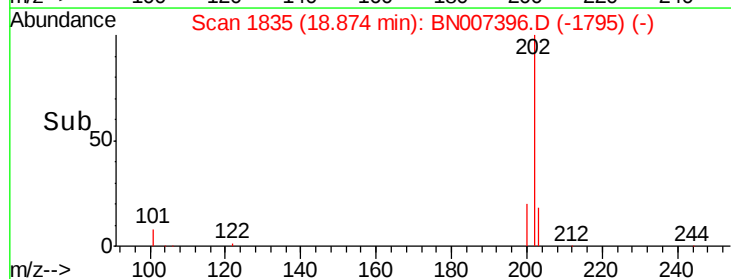
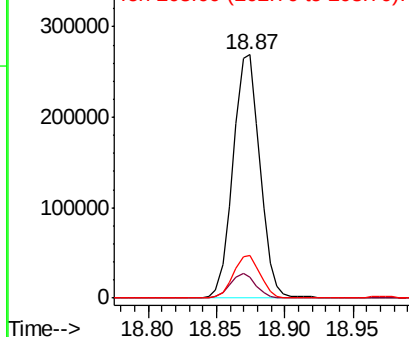
Lab File: BN007396.D

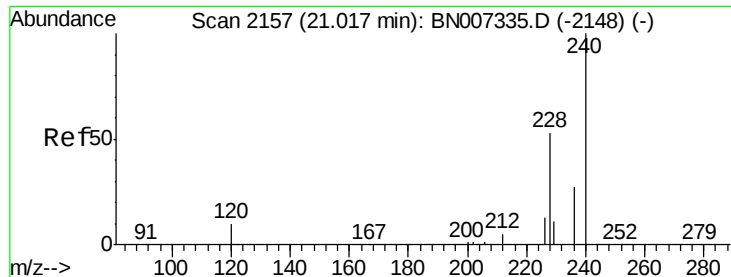
Acq: 25 Aug 2019 15:27

Tgt Ion:	202	Resp:	367579
Ion Ratio	Lower	Upper	
202	100		
101	9.7	7.7	11.5
203	17.4	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





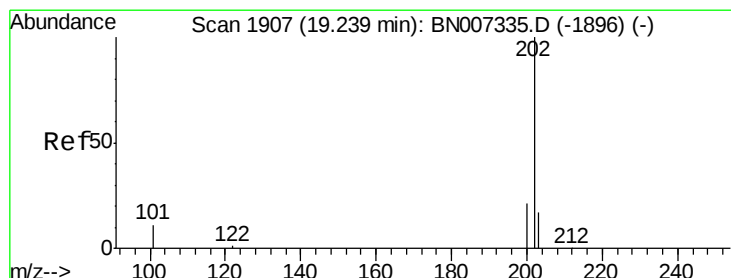
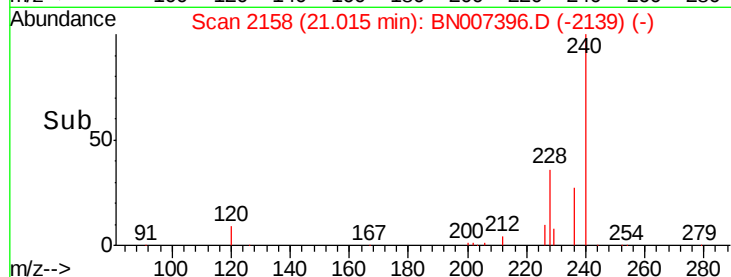
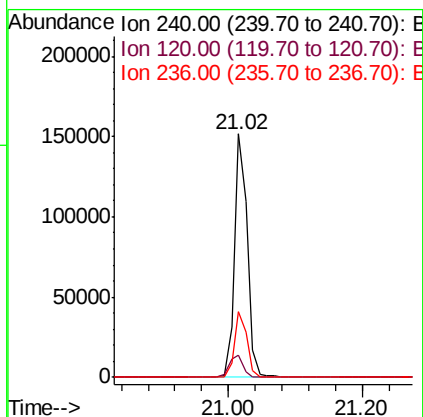
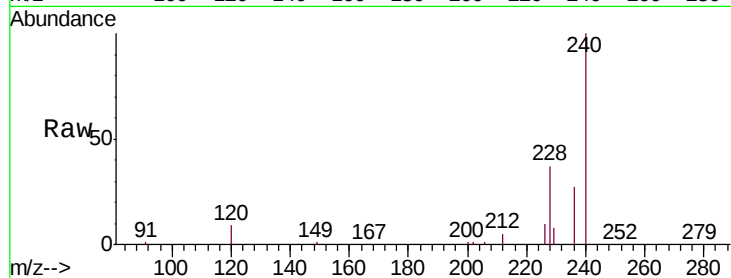
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.6	14.4#
236	26.8	22.2	33.2

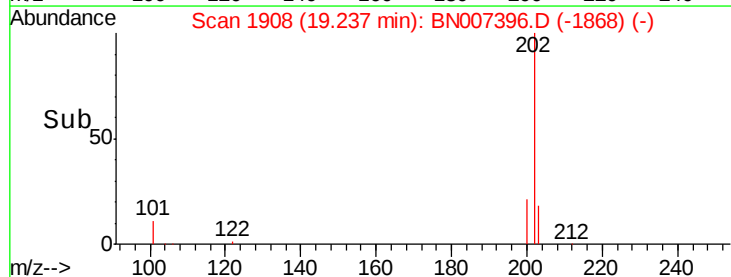
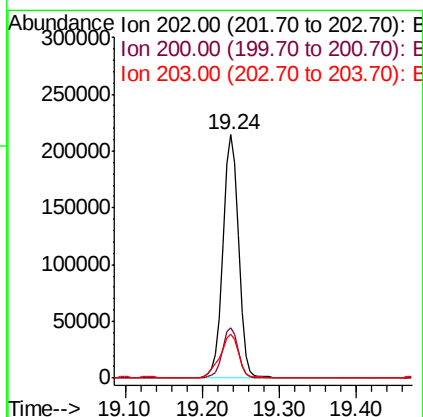
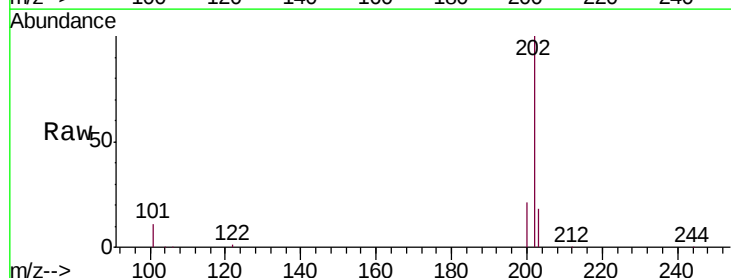
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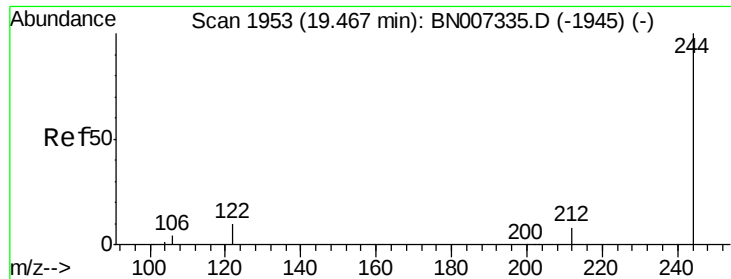
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#28
Pyrene
Concen: 0.374 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	21.5	14.2	21.4#





#29

Terphenyl-d14

Concen: 0.006 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

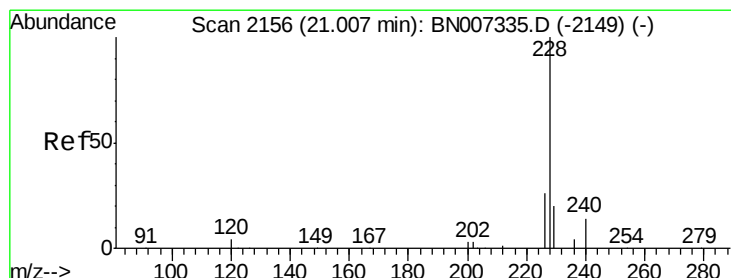
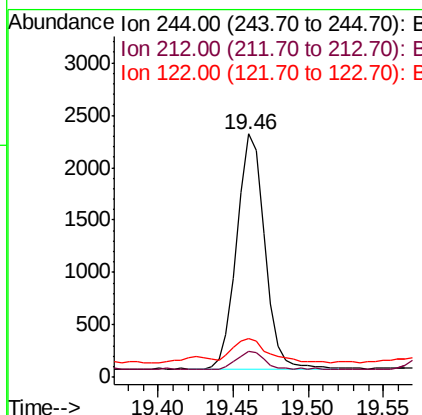
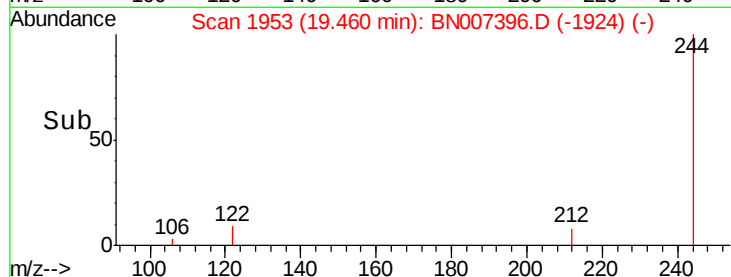
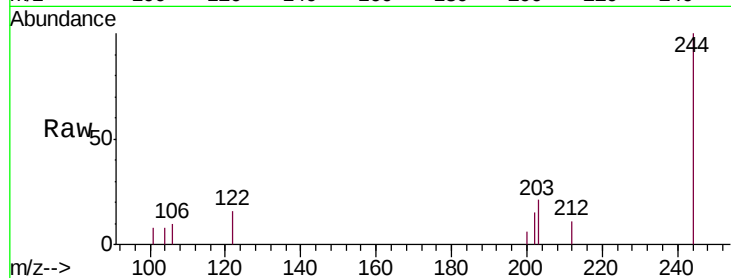
ClientSampleId :

S301-J-2.0-2.5-081919DL

Tot Ion:	244	Resp:	2930
Ion Ratio	Lower	Upper	
244	100		
212	10.9	7.0	10.6#
122	16.2	9.6	14.4#

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#30

Benzo(a)anthracene

Concen: 0.286 ng

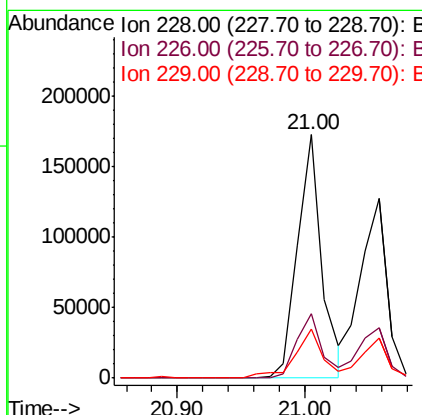
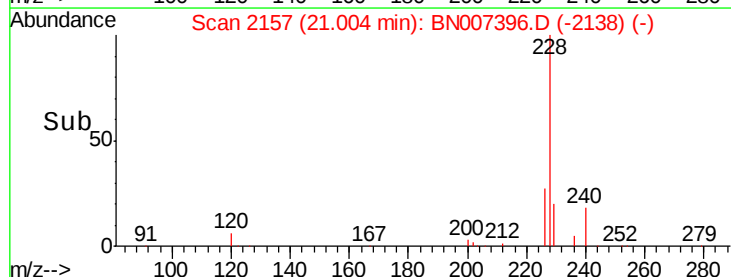
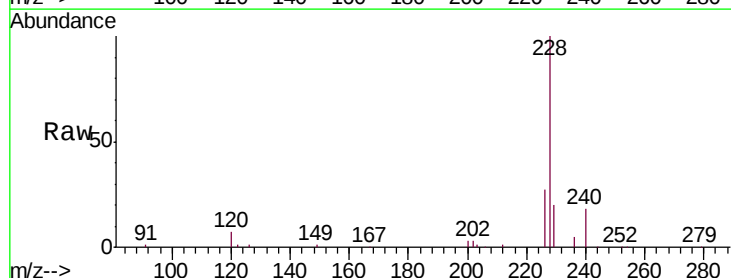
RT: 21.00 min Scan# 2157

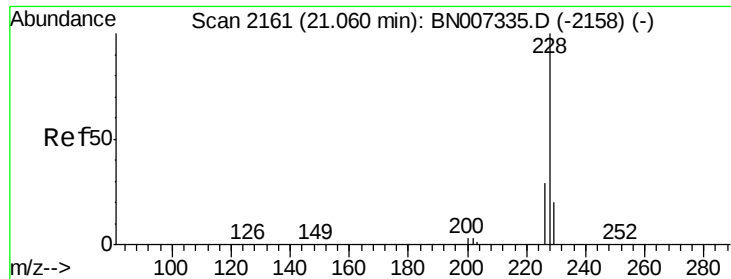
Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Tgt Ion:	228	Resp:	226561
Ion Ratio	Lower	Upper	
228	100		
226	26.7	21.3	31.9
229	20.1	16.1	24.1





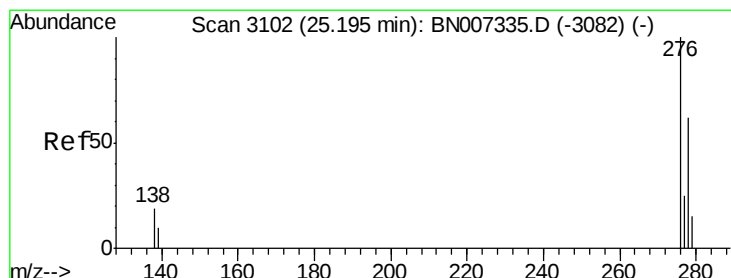
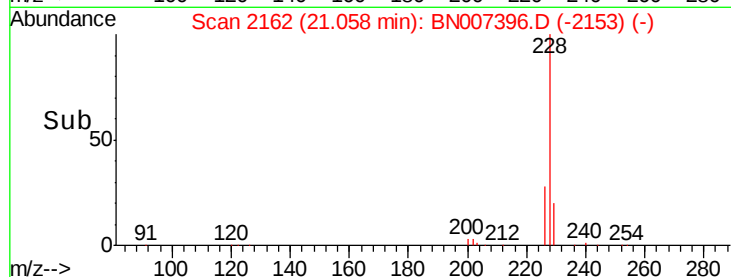
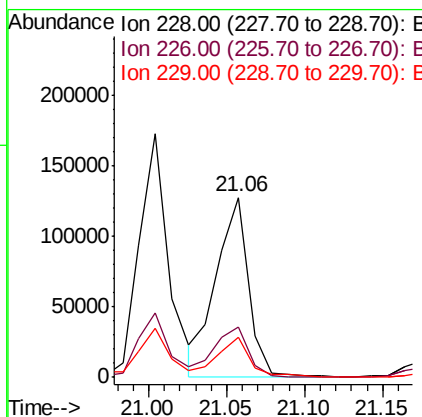
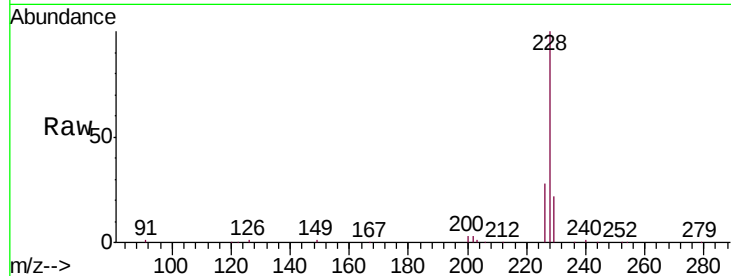
#31
Chrysene
Concen: 0.238 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tot Ion:228	Resp:	182117
Ion Ratio	Lower	Upper
228 100		
226 28.1	23.5	35.3
229 22.0	16.6	24.8

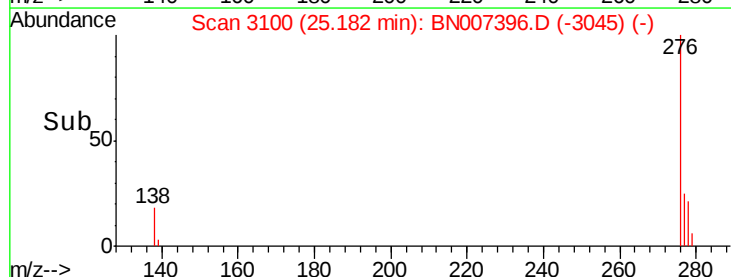
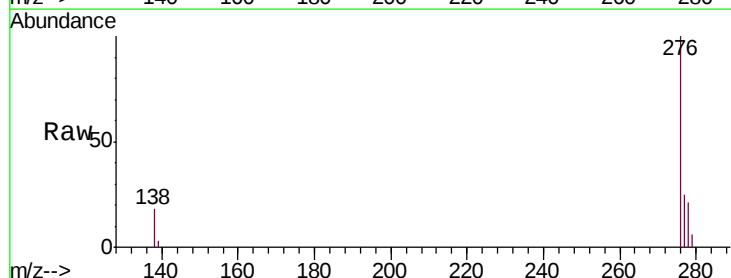
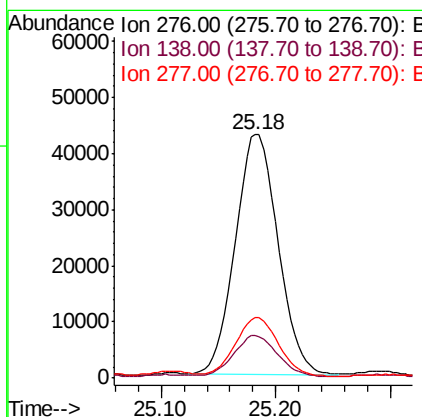
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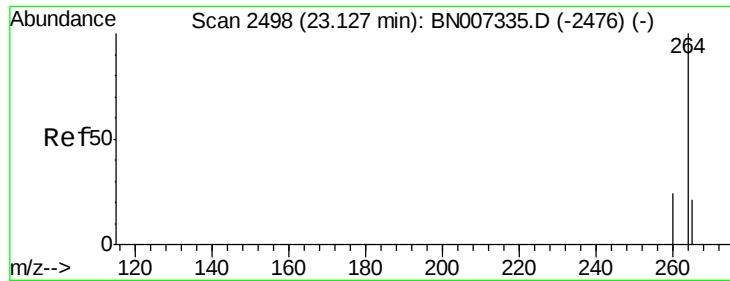
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.121 ng
RT: 25.18 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:276	Resp:	111086
Ion Ratio	Lower	Upper
276 100		
138 18.4	15.1	22.7
277 25.1	19.7	29.5





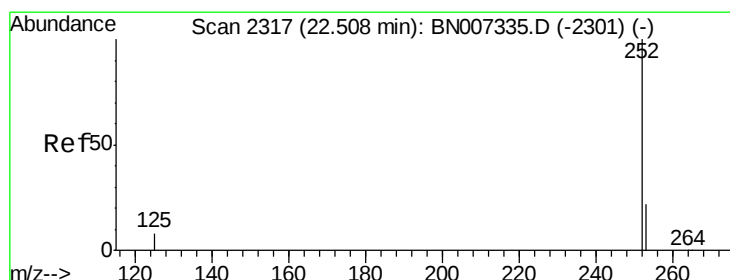
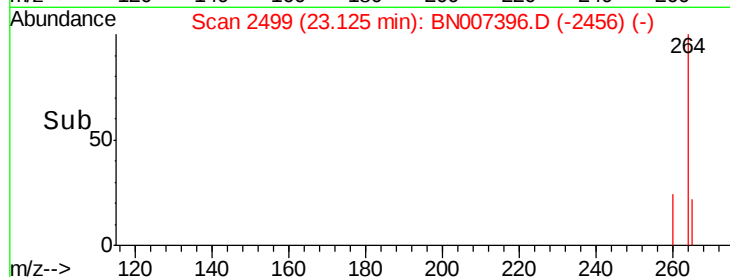
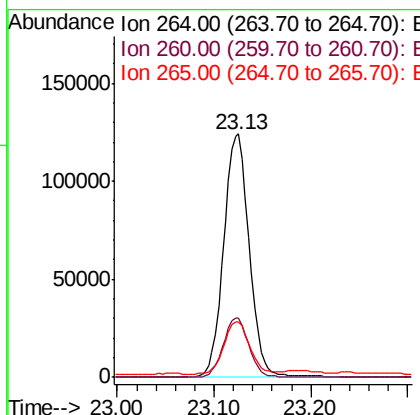
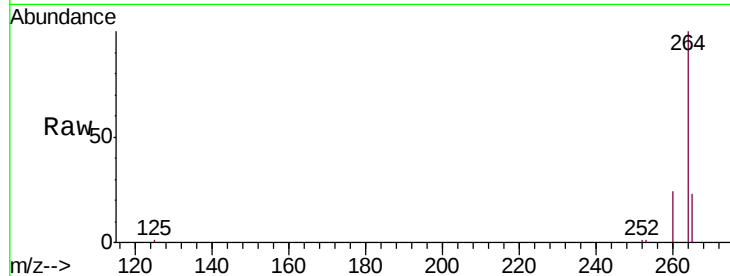
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2499
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.9	29.9	44.9

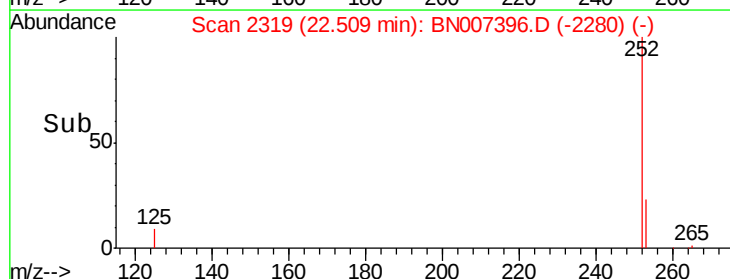
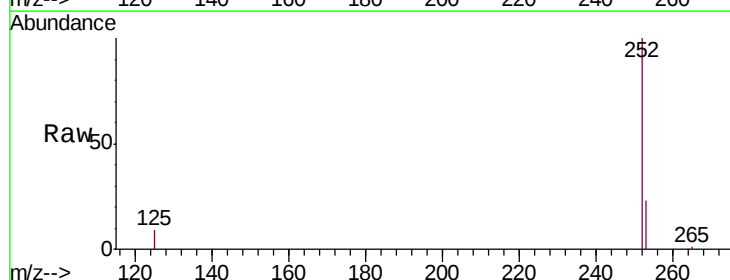
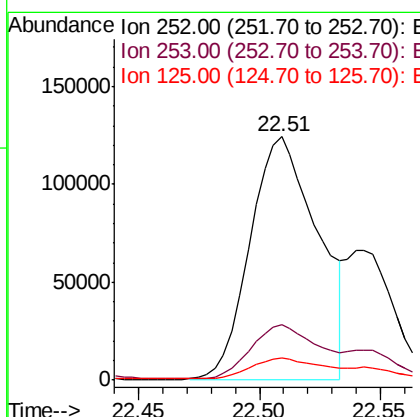
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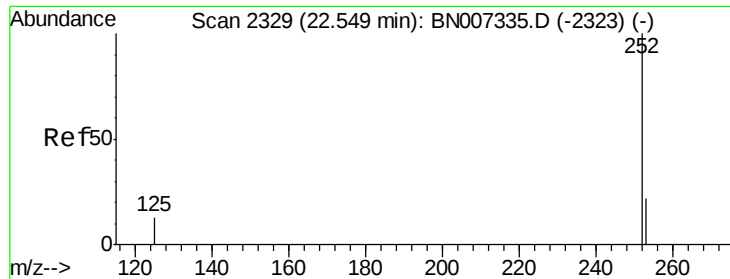
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#35
Benzo(b)fluoranthene
Concen: 0.295 ng m
RT: 22.51 min Scan# 2319
Delta R.T. 0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.2	28.8
125	8.9	10.6	16.0





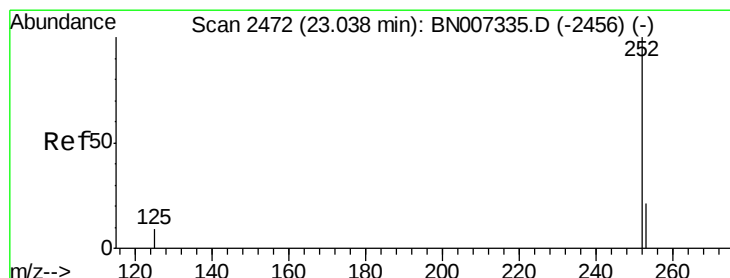
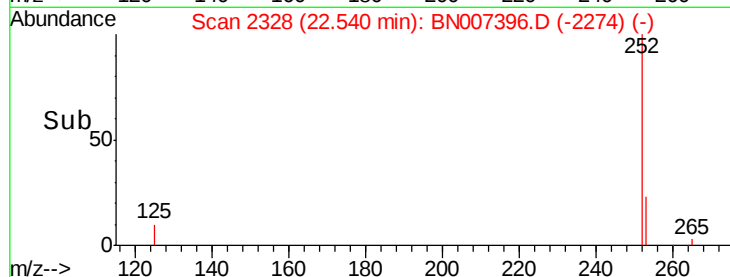
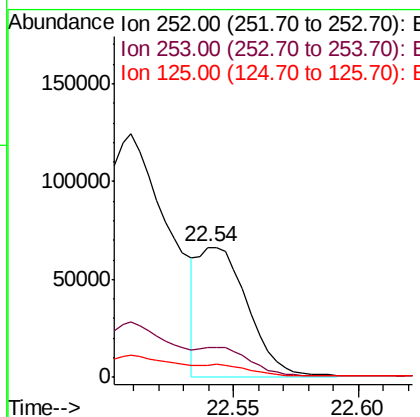
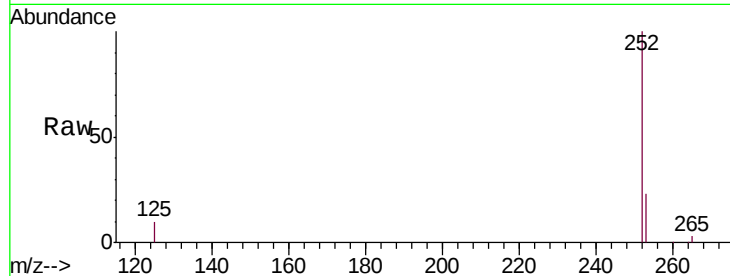
#36
Benzo(k)fluoranthene
Concen: 0.114 ng m
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.4	29.2
125	9.6	13.1	19.7#

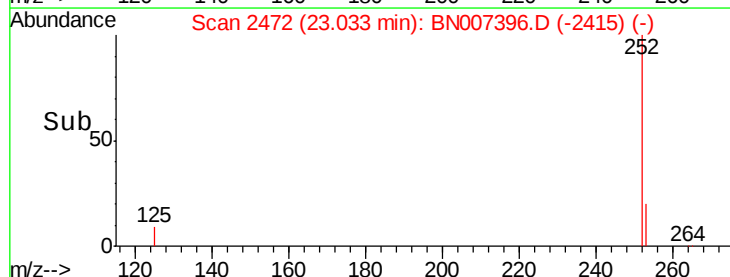
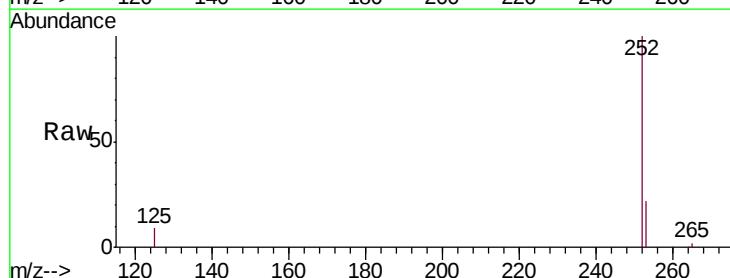
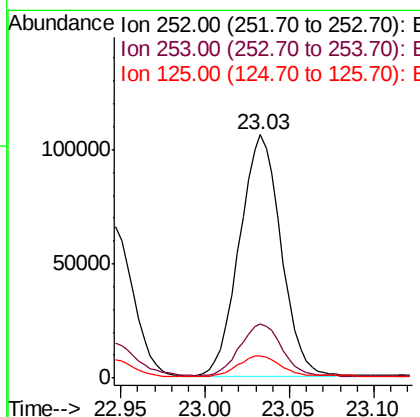
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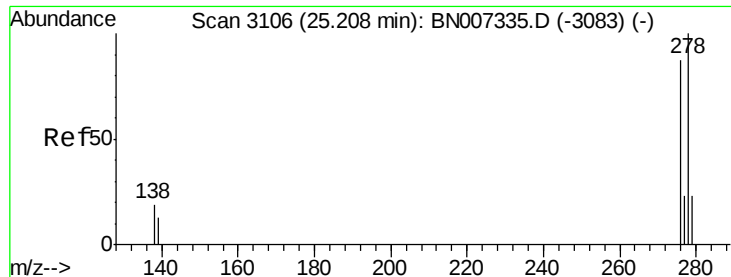
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#37
Benzo(a)pyrene
Concen: 0.232 ng m
RT: 23.03 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.5	29.3
125	9.3	12.1	18.1#





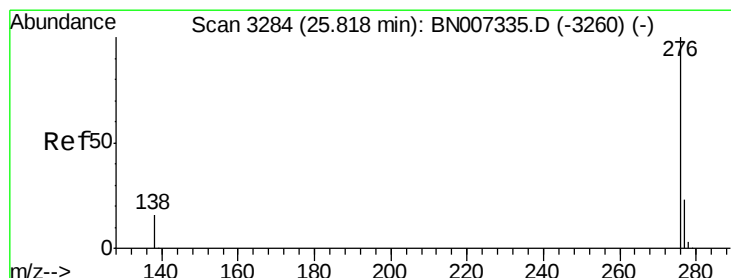
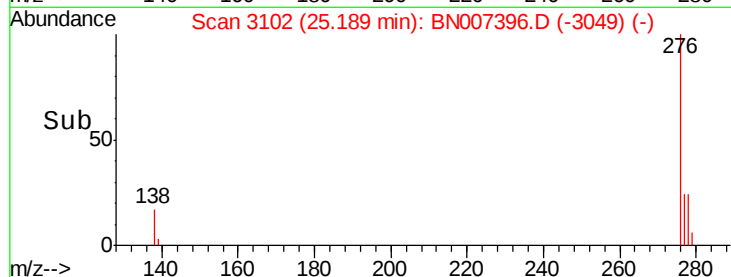
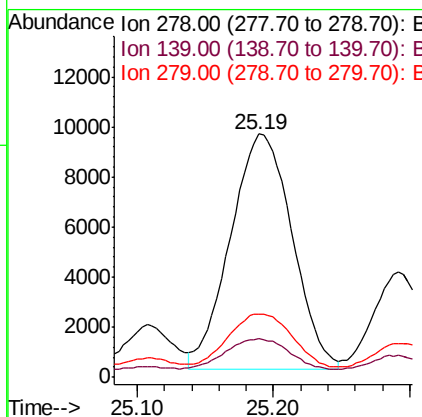
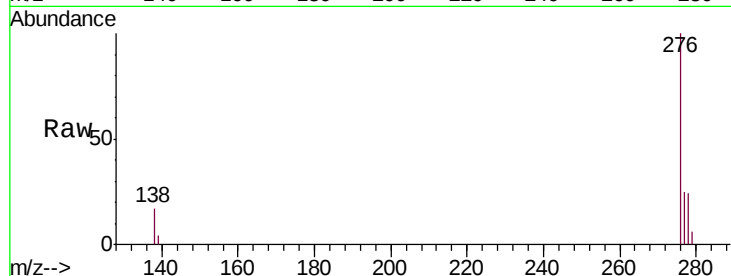
#38
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.7	20.5
279	26.2	20.2	30.4

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.129 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.6	29.4
138	17.8	16.3	24.5

