

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
 Data File : BN007272.D
 Acq On : 20 Aug 2019 19:39
 Operator : HP/JU
 Sample : K4409-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S300-J-1.5-2.0-081919

Manual Integrations
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 8/21/2019 4:06:45 PM

Quant Time: Aug 20 20:12:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 20 18:52:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	5471	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	20418	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	11838	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	28223	0.40	ng	0.00
27) Chrysene-d12	21.03	240	29594	0.40	ng	0.00
34) Perylene-d12	23.14	264	32886	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	3893	0.23	ng	0.00
5) Phenol-d6	6.60	99	4998	0.26	ng	0.00
8) Nitrobenzene-d5	8.54	82	3699	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	8596	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1687	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	11300	0.22	ng	0.00
25) Fluoranthene-d10	18.85	212	19392	0.22	ng	0.00
29) Terphenyl-d14	19.47	244	14070	0.19	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.22	128	7475	0.129	ng	96
12) 2-Methylnaphthalene	11.84	142	7474	0.187	ng	98
16) Acenaphthylene	13.77	152	8582	0.137	ng	# 95
17) Acenaphthene	14.11	154	1551	0.039	ng	# 88
18) Fluorene	15.12	166	2918	0.056	ng	# 94
23) Phenanthrene	16.85	178	66878	0.756	ng	100
24) Anthracene	16.93	178	10208	0.128	ng	# 95
26) Fluoranthene	18.88	202	130856	1.221	ng	100
28) Pyrene	19.25	202	125931	1.138	ng	96
30) Benzo(a)anthracene	21.02	228	68939	0.626	ng	# 90
31) Chrysene	21.06	228	70652	0.629	ng	97
32) Bis(2-ethylhexyl)phthalate	20.98	149	6788	0.154	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.20	276	46746	0.346	ng	98
35) Benzo(b)fluoranthene	22.52	252	97509	0.795	ng	98
36) Benzo(k)fluoranthene	22.55	252	30990m	0.258	ng	
37) Benzo(a)pyrene	23.04	252	62809	0.568	ng	98
38) Dibenzo(a,h)anthracene	25.21	278	12306	0.106	ng	# 77
39) Benzo(a,h,i)perylene	25.83	276	46374	0.395	ng	98

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

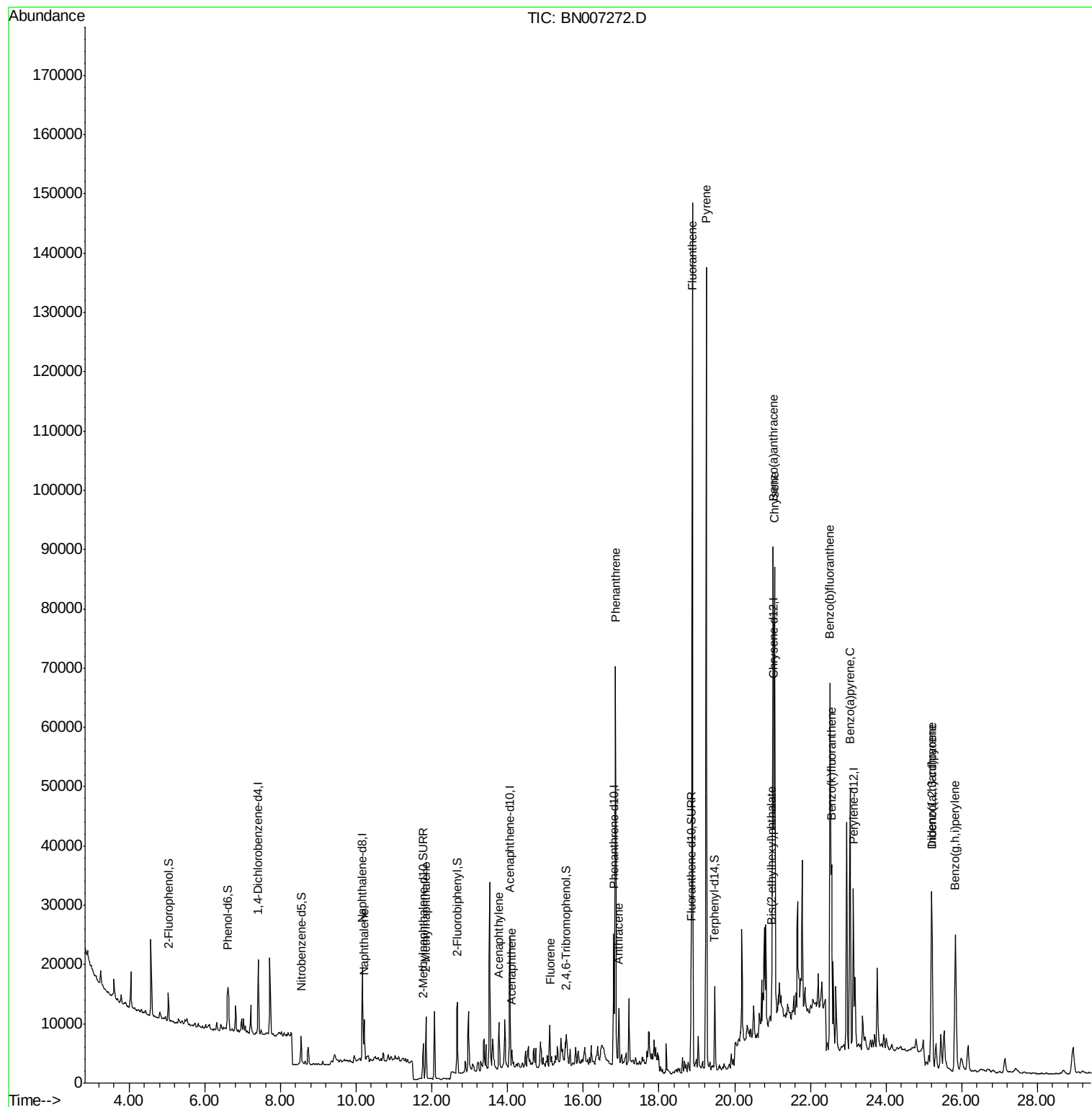
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
Data File : BN007272.D
Acq On : 20 Aug 2019 19:39
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ALS Vial : 13 Sample Multiplier: 1

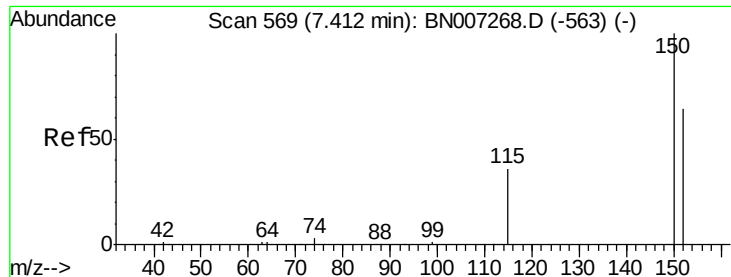
Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919

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#1

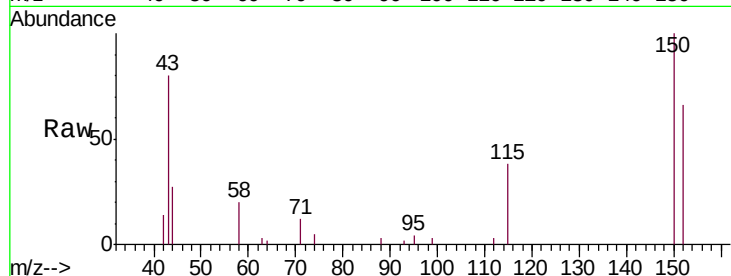
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. 0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	123.8	185.8
115	58.1	47.3	70.9

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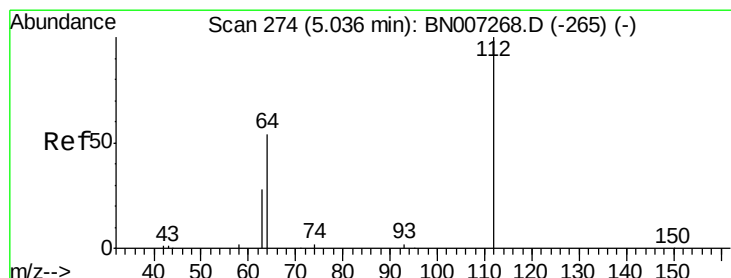
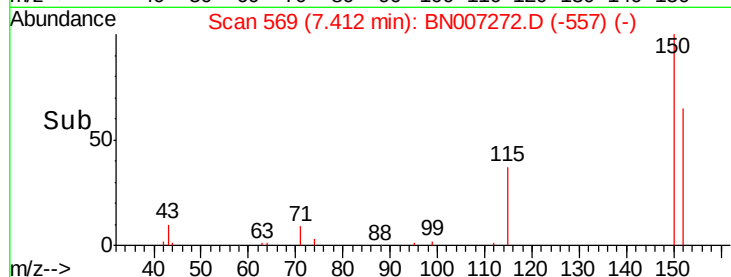
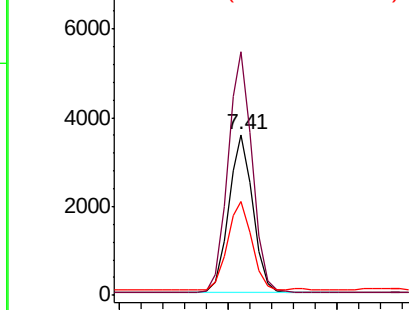


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

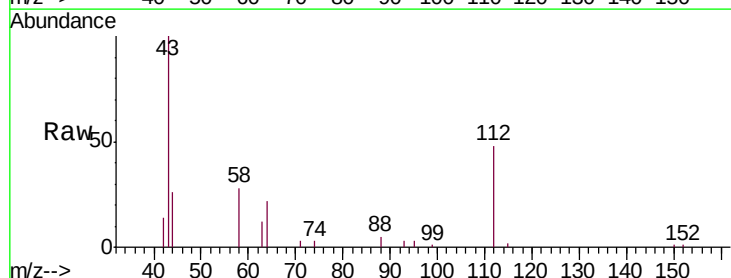
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.233 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.8	62.8
63	27.8	22.6	34.0

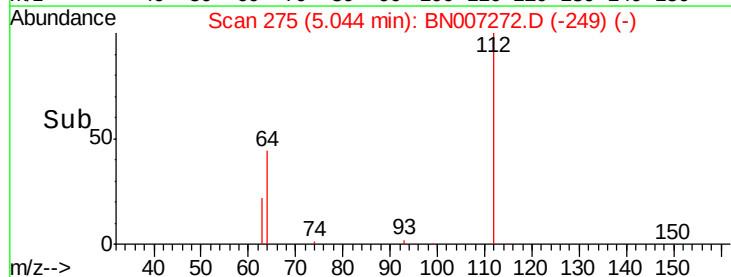
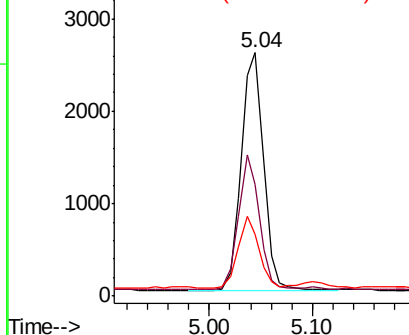


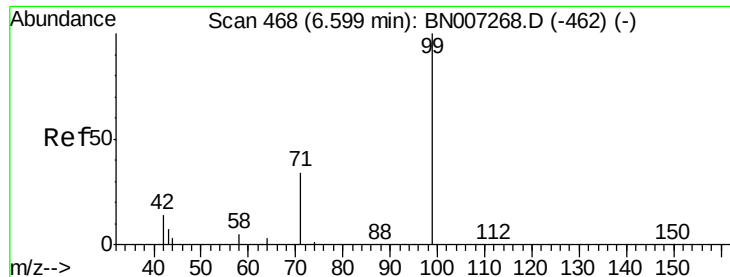
Abundance

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: 0.255 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Instrument :

BNA_N

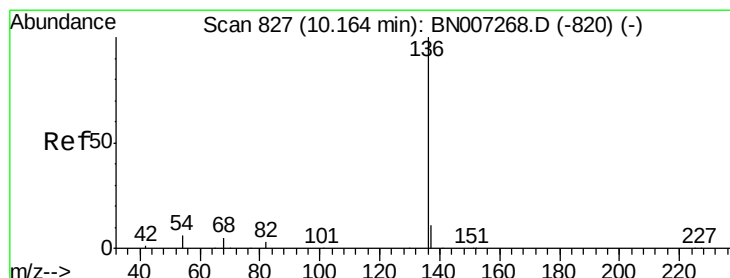
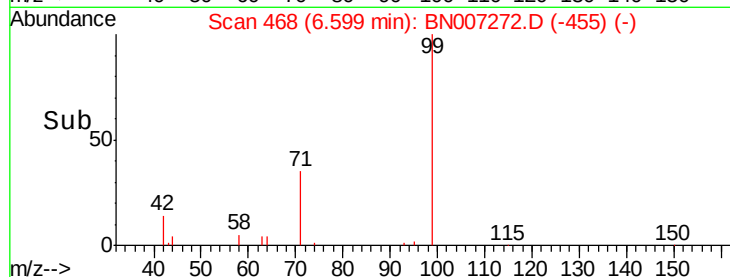
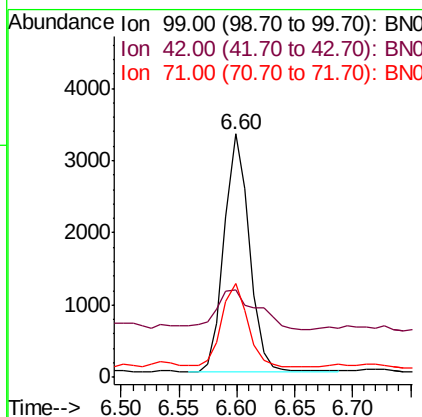
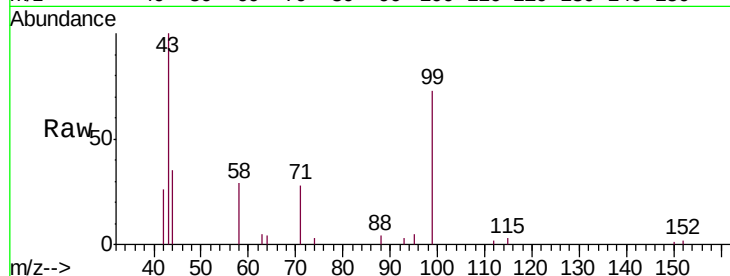
ClientSampleId :

S300-J-1.5-2.0-081919

Tot Ion:	99	Resp:	4998
Ion	Ratio	Lower	Upper
99	100		
42	29.1	14.3	21.5#
71	36.7	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

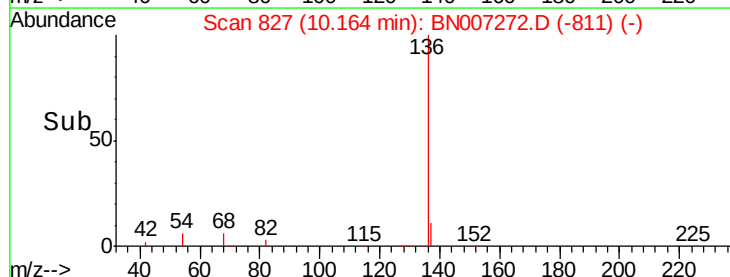
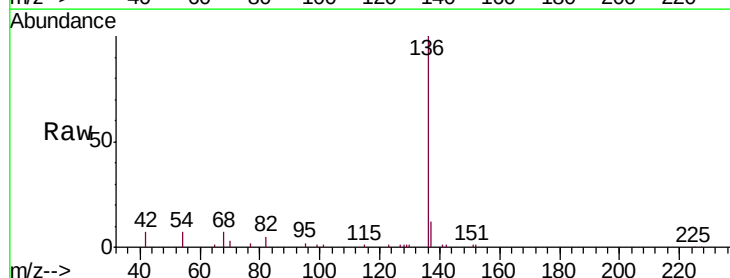
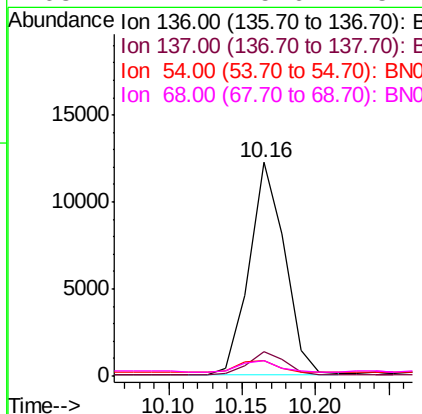
RT: 10.16 min Scan# 827

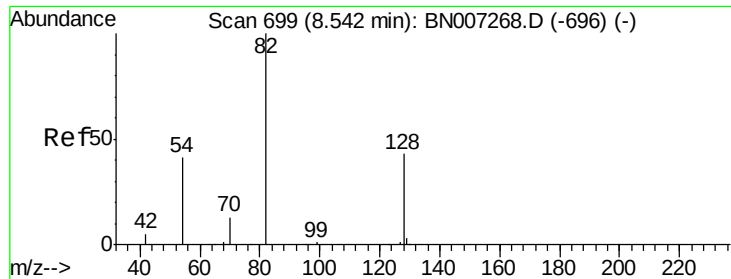
Delta R.T. 0.00 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Tgt Ion:	136	Resp:	20418
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.4	5.9	8.9
68	7.4	5.6	8.4





#8

Nitrobenzene-d5

Concen: 0.236 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.00 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Instrument :

BNA_N

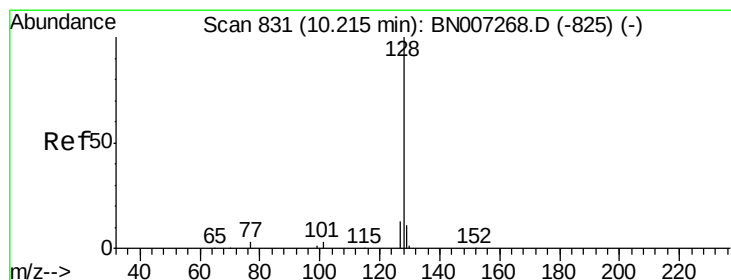
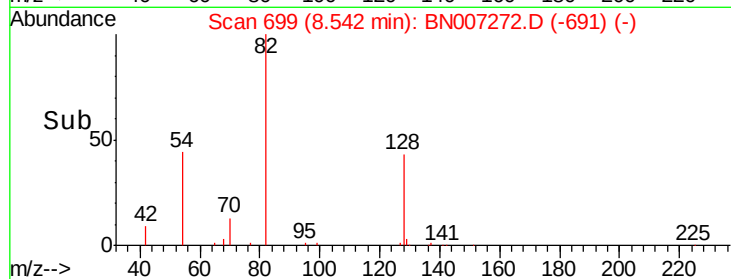
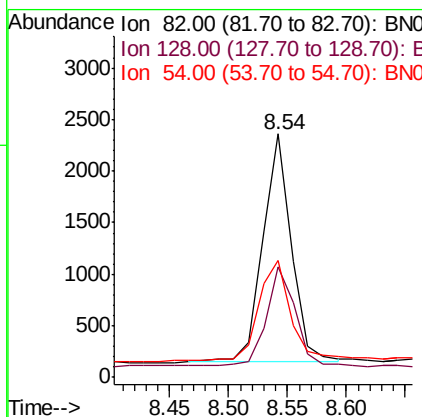
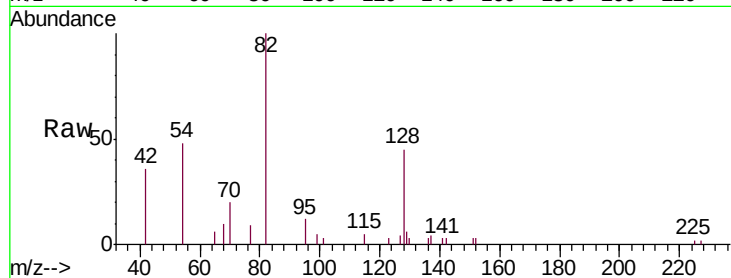
ClientSampleId :

S300-J-1.5-2.0-081919

Tot Ion:	82	Resp:	3699
Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.8	53.6
54	47.9	34.7	52.1

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#9

Naphthalene

Concen: 0.129 ng

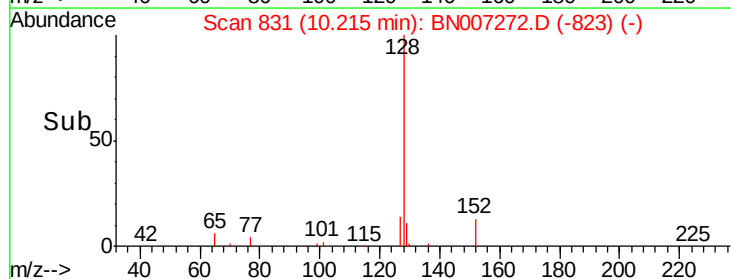
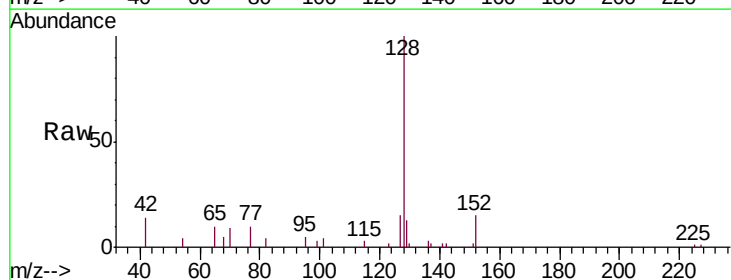
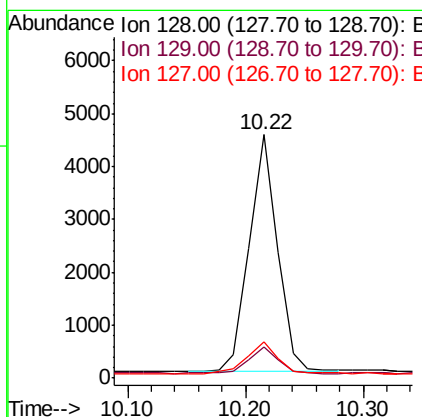
RT: 10.22 min Scan# 831

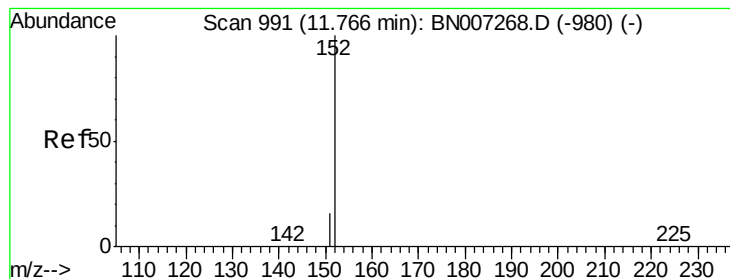
Delta R.T. 0.00 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Tgt Ion:	128	Resp:	7475
Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.1	13.7
127	15.1	10.6	16.0





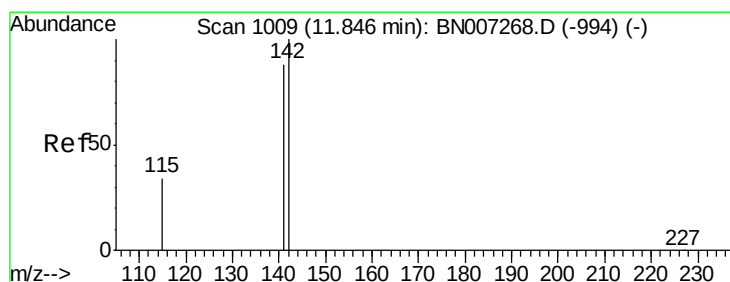
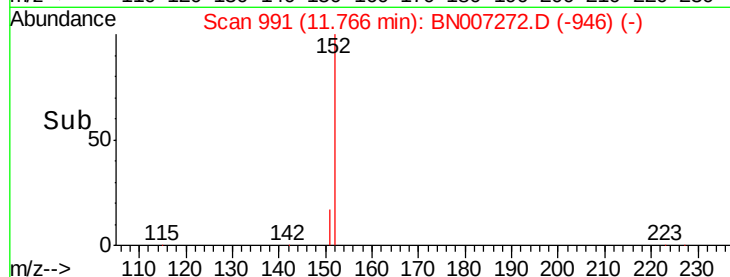
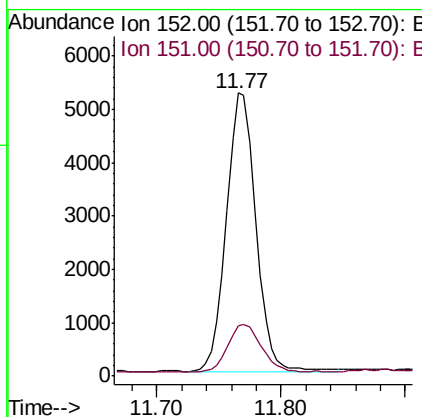
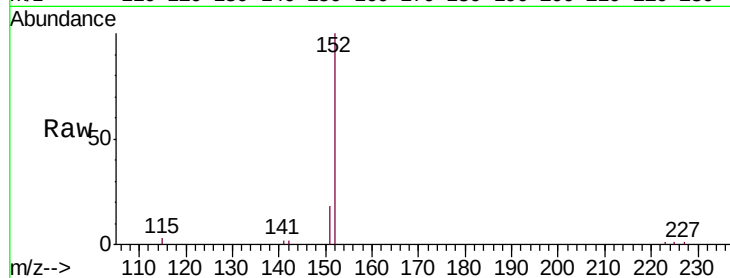
#11
 2-Methylnaphthalene-d10
 Concen: 0.244 ng
 RT: 11.77 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BN007272.D
 Acq: 20 Aug 2019 19:39

Instrument :
 BNA_N
 ClientSampleId :
 S300-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.2	22.8

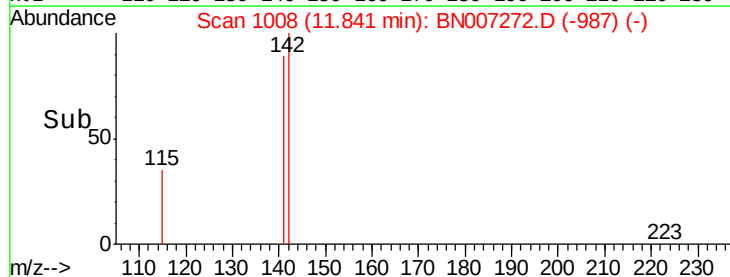
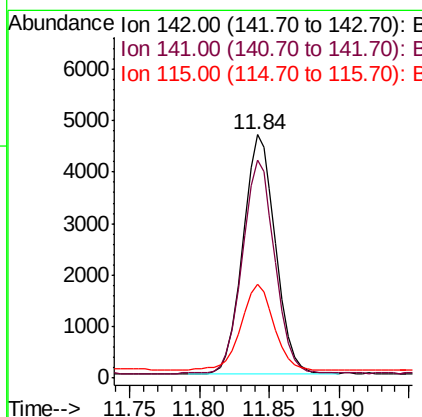
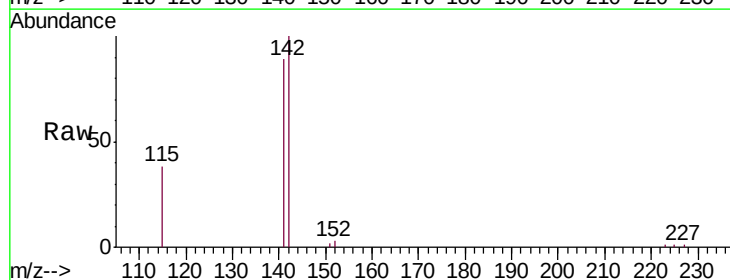
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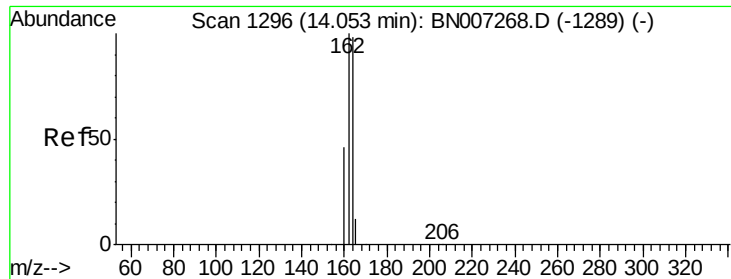
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#12
 2-Methylnaphthalene
 Concen: 0.187 ng
 RT: 11.84 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BN007272.D
 Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.7	106.1
115	38.3	28.1	42.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Instrument :

BNA_N

ClientSampleId :

S300-J-1.5-2.0-081919

Tot Ion:164 Resp: 11838

Ion Ratio Lower Upper

164 100

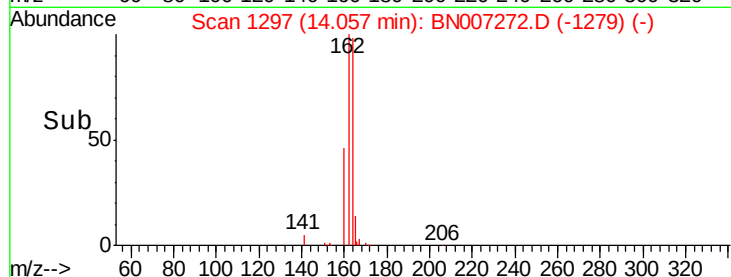
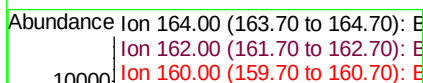
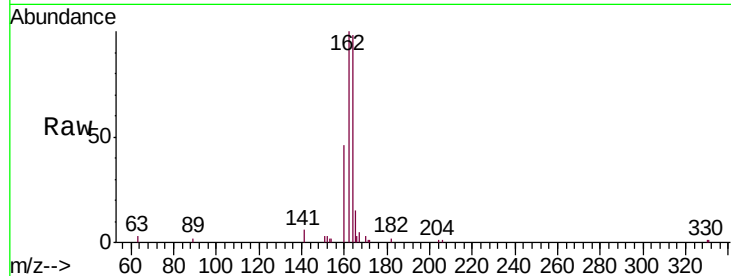
162 101.6 82.0 123.0

160 47.1 38.2 57.4

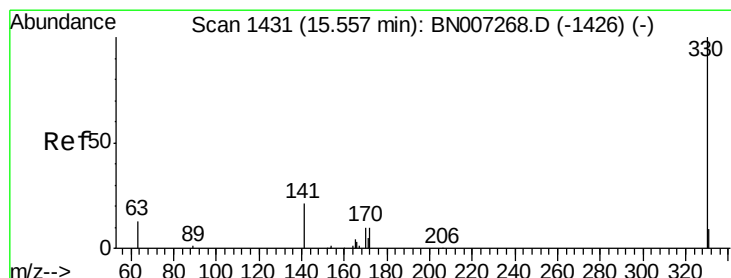
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Time-->



#14

2,4,6-Tribromophenol

Concen: 0.254 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

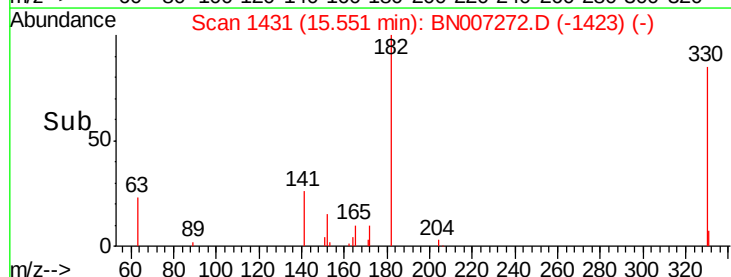
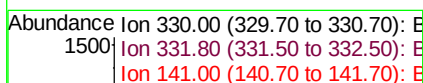
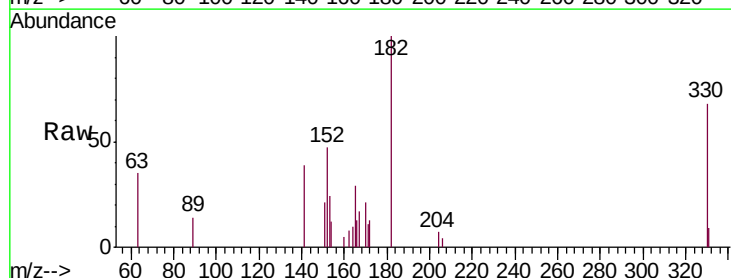
Tgt Ion:330 Resp: 1687

Ion Ratio Lower Upper

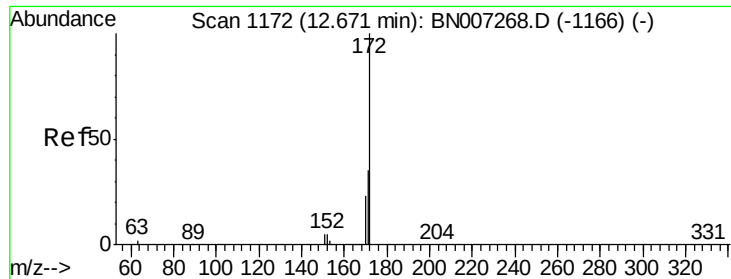
330 100

332 0.0 0.0 0.0

141 56.7 30.3 45.5#



Time-->



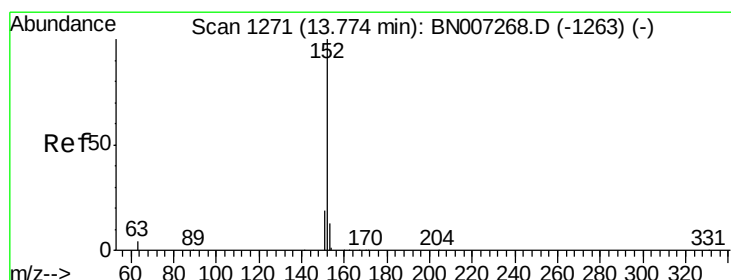
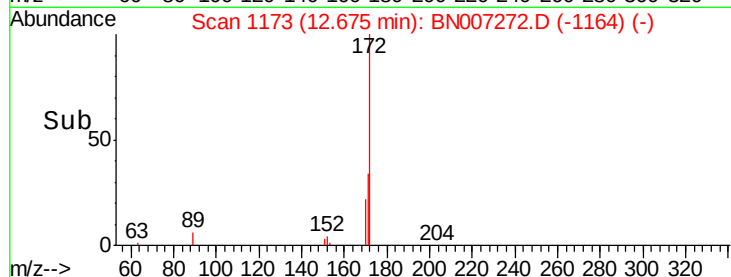
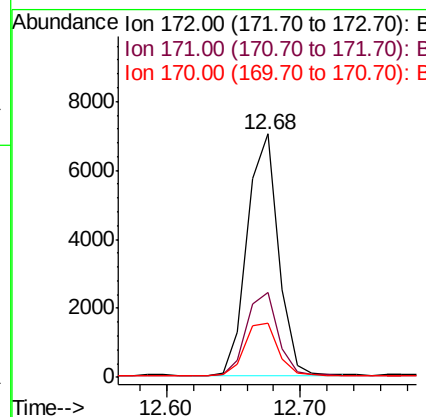
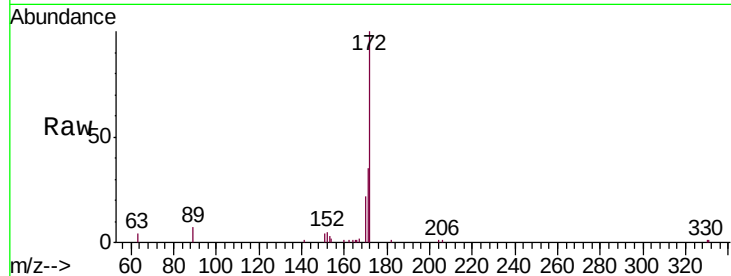
#15
2-Fluorobiphenyl
Concen: 0.223 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.2	18.7	28.1

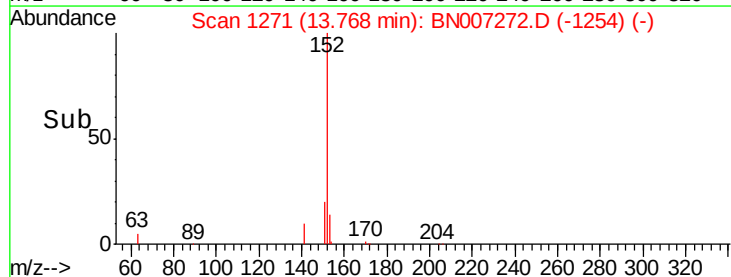
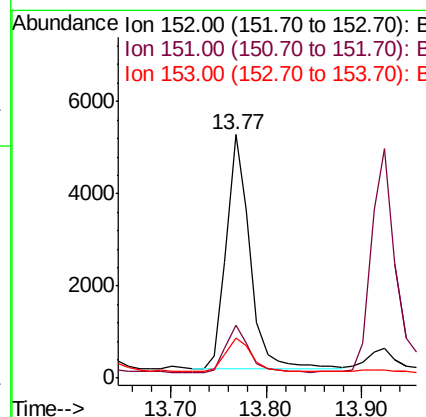
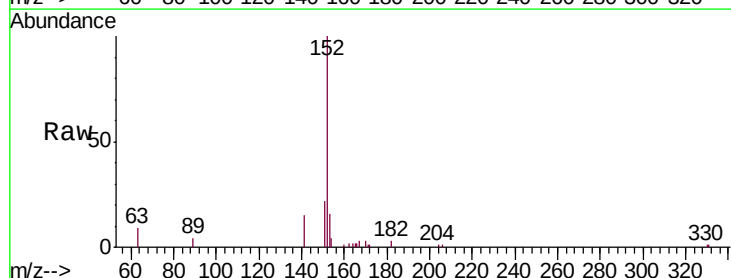
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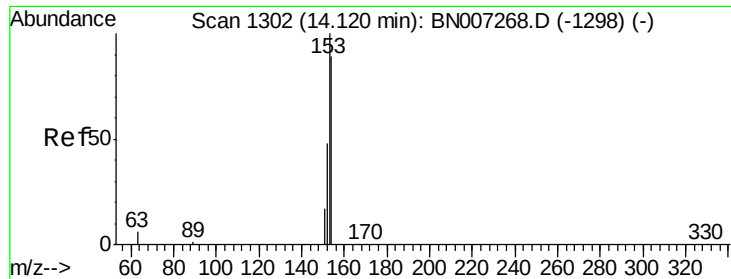
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#16
Acenaphthylene
Concen: 0.137 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.4	23.2
153	15.9	10.1	15.1#





#17

Acenaphthene

Concen: 0.039 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Instrument :

BNA_N

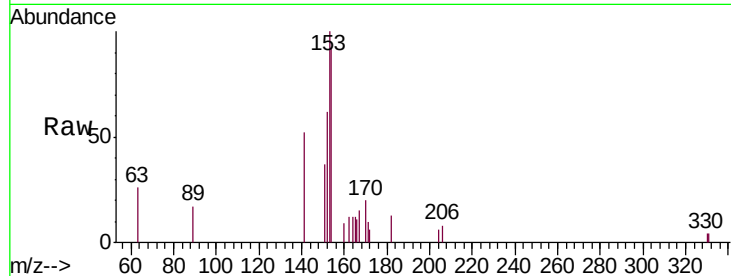
ClientSampleId :

S300-J-1.5-2.0-081919

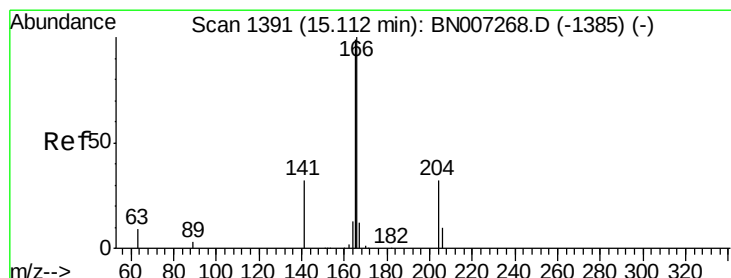
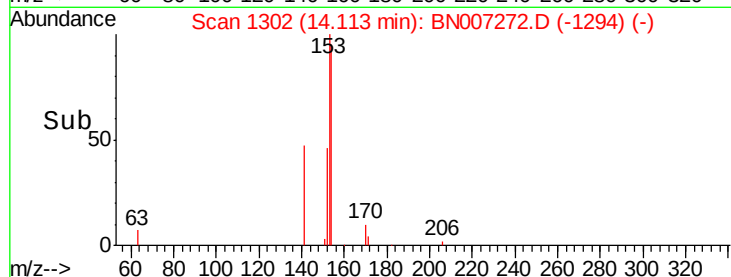
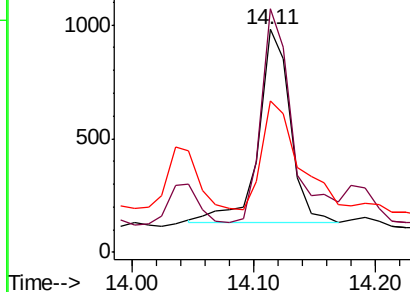
Tot Ion:	154	Resp:	1551
Ion Ratio	Lower	Upper	
154	100		
153	110.2	89.9	134.9
152	77.2	43.9	65.9#

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.056 ng

RT: 15.12 min Scan# 1392

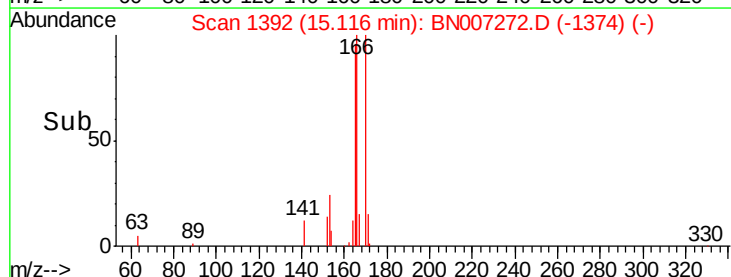
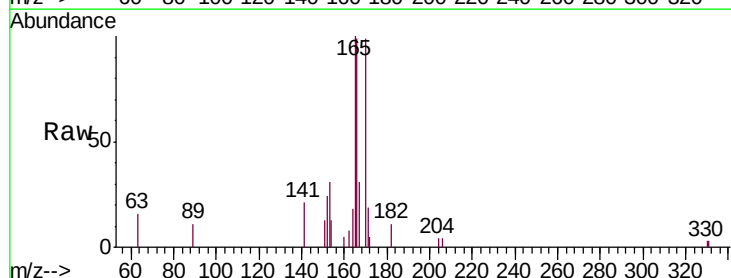
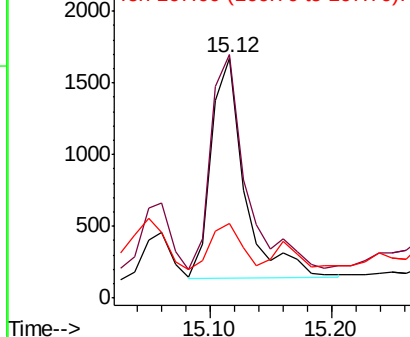
Delta R.T. 0.00 min

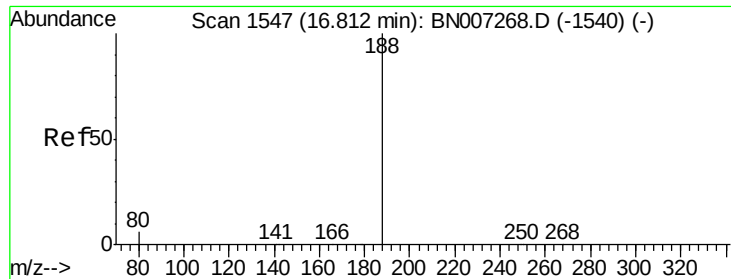
Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Tgt Ion:	166	Resp:	2918
Ion Ratio	Lower	Upper	
166	100		
165	103.2	78.3	117.5
167	19.0	11.1	16.7#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





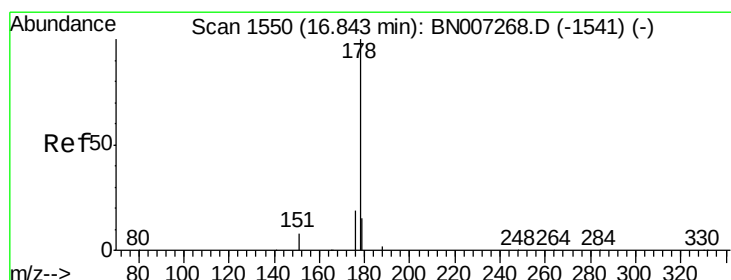
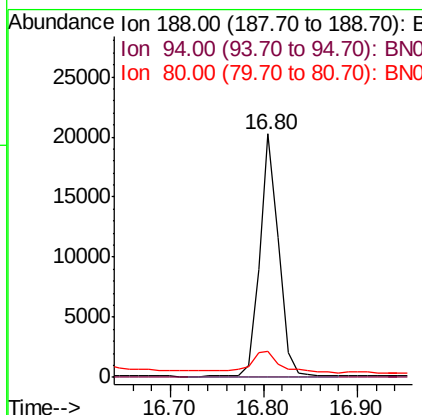
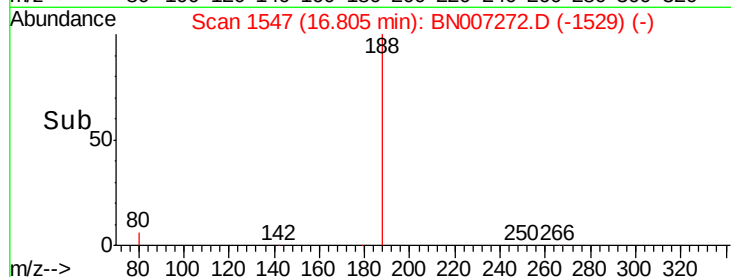
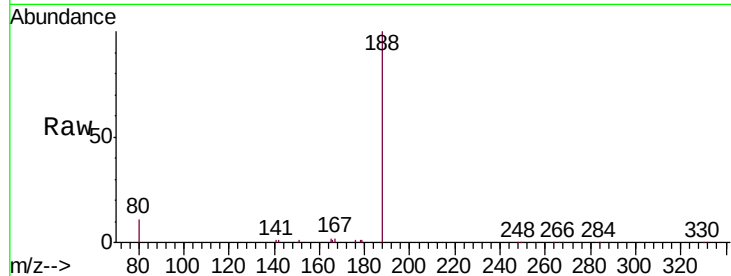
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	5.2	7.8

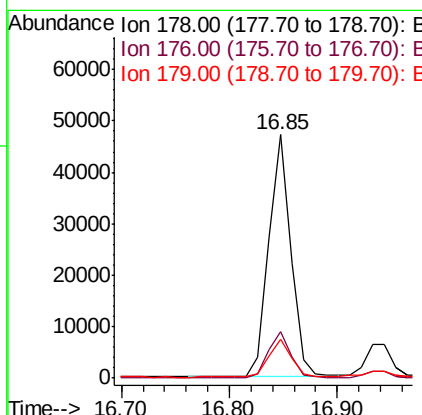
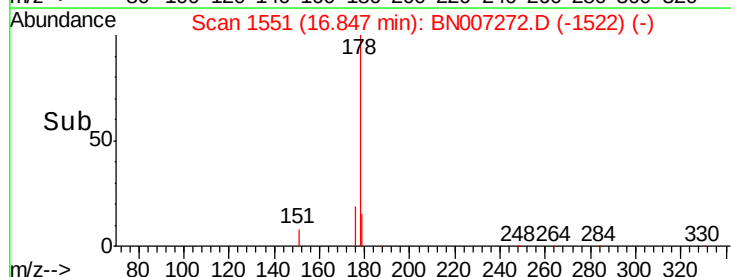
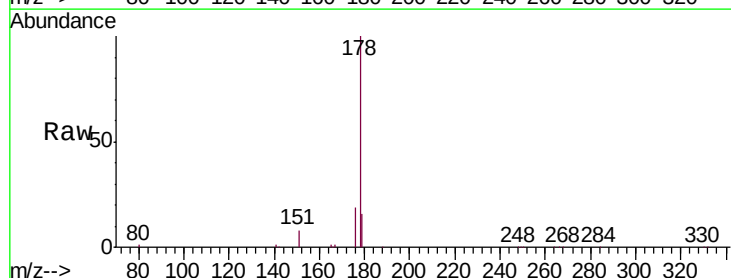
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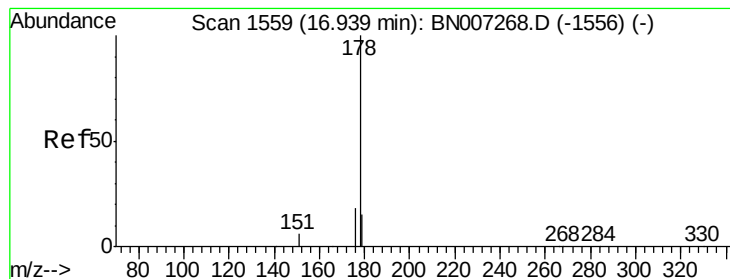
Jagrut
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#23
Phenanthrene
Concen: 0.756 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.5	12.3	18.5





#24

Anthracene

Concen: 0.128 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Instrument :

BNA_N

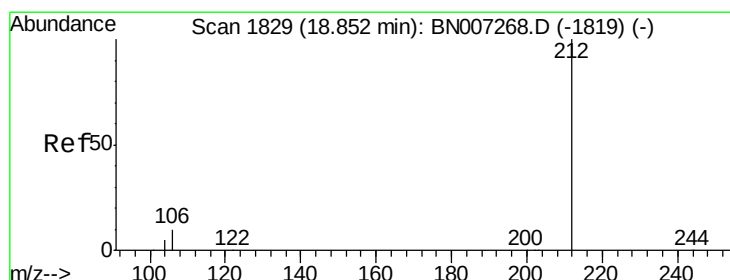
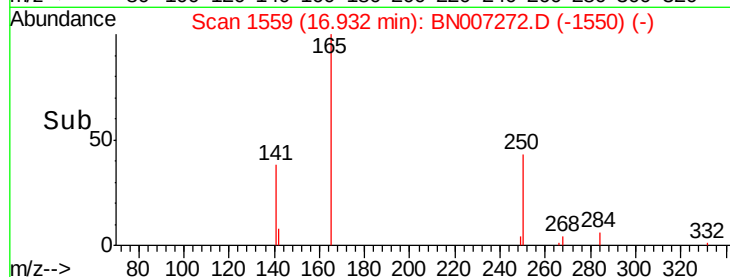
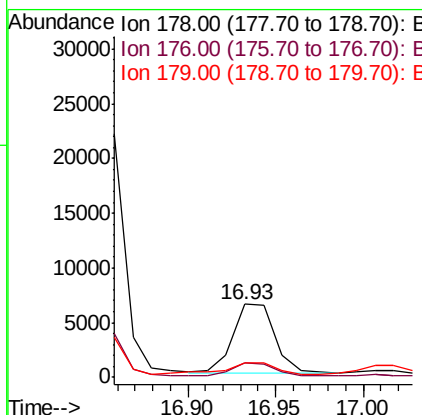
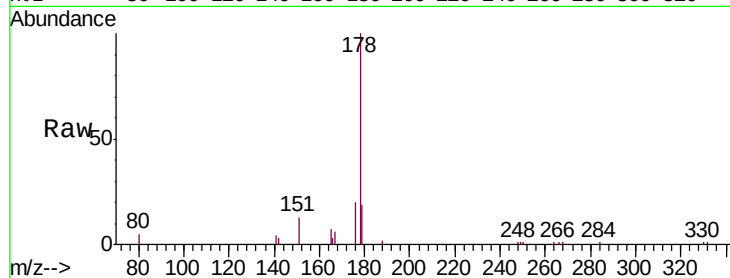
ClientSampleId :

S300-J-1.5-2.0-081919

Tot Ion:	178	Resp:	10208
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.3	21.5
179	19.1	12.3	18.5#

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#25

Fluoranthene-d10

Concen: 0.217 ng

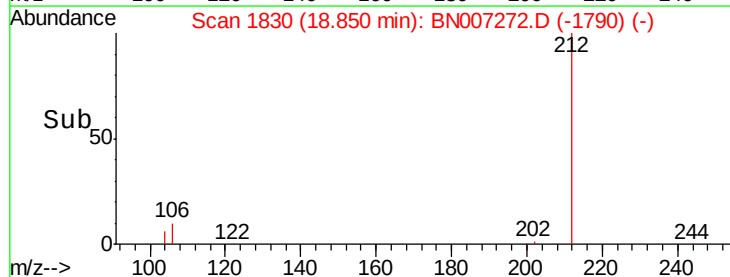
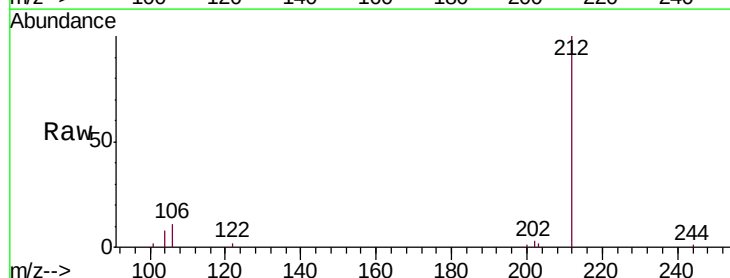
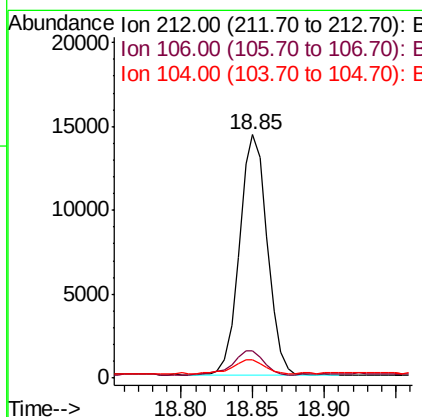
RT: 18.85 min Scan# 1830

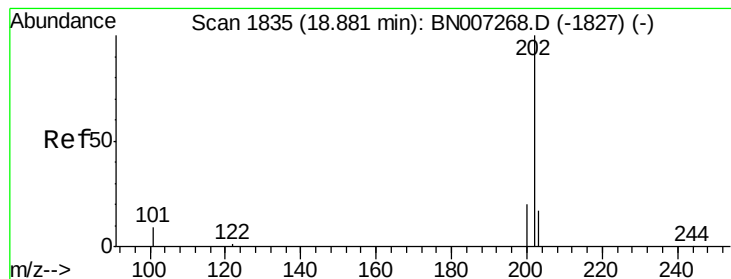
Delta R.T. -0.00 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Tgt Ion:	212	Resp:	19392
Ion Ratio	Lower	Upper	
212	100		
106	11.4	8.2	12.4
104	6.3	4.7	7.1





#26

Fluoranthene

Concen: 1.221 ng

RT: 18.88 min Scan# 1836

Delta R.T. -0.00 min

Lab File: BN007272.D

Acq: 20 Aug 2019 19:39

Instrument :

BNA_N

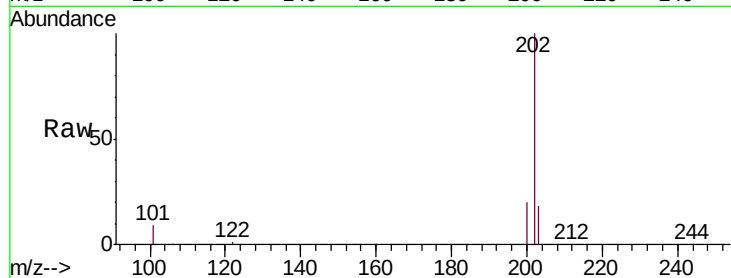
ClientSampleId :

S300-J-1.5-2.0-081919

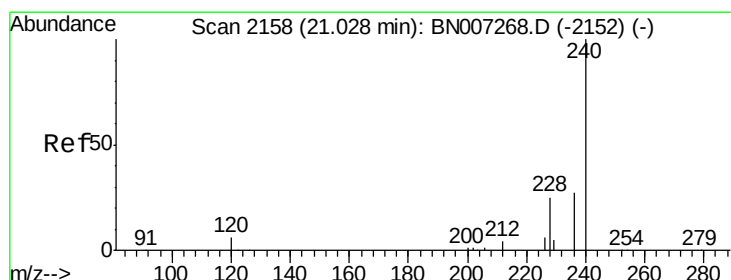
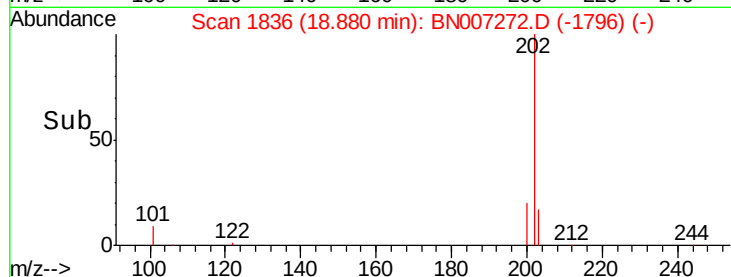
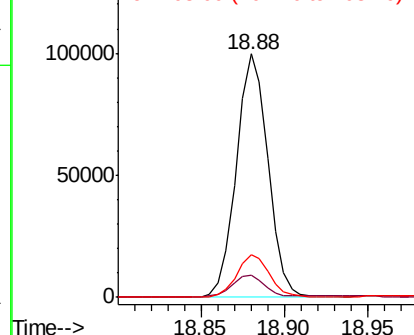
Tot Ion:	202	Resp:	130856
Ion Ratio	Lower	Upper	
202	100		
101	9.0	7.2	10.8
203	17.5	13.8	20.6

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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

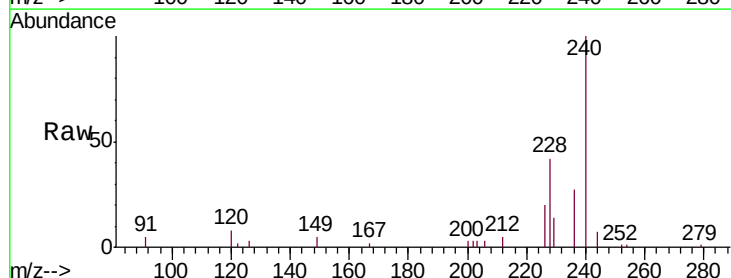
RT: 21.03 min Scan# 2159

Delta R.T. -0.00 min

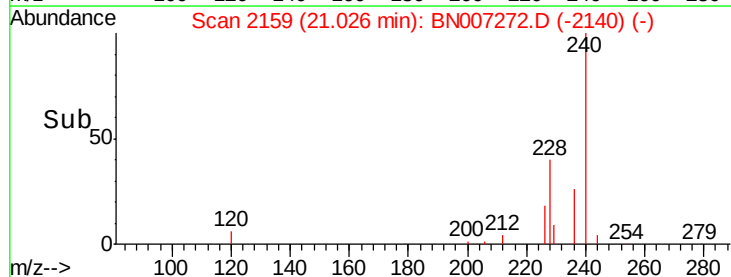
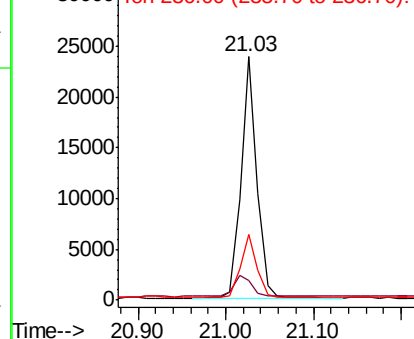
Lab File: BN007272.D

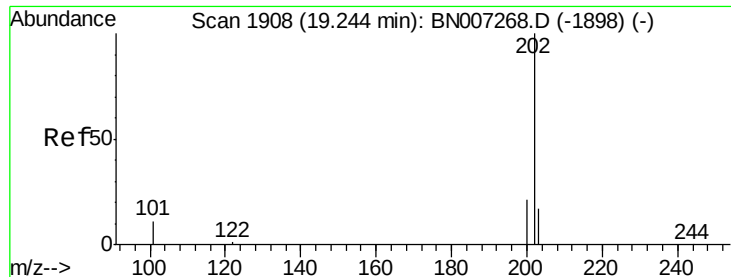
Acq: 20 Aug 2019 19:39

Tgt Ion:	240	Resp:	29594
Ion Ratio	Lower	Upper	
240	100		
120	8.0	5.6	8.4
236	27.0	21.6	32.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





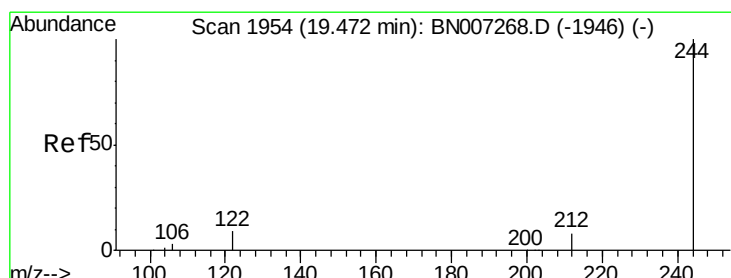
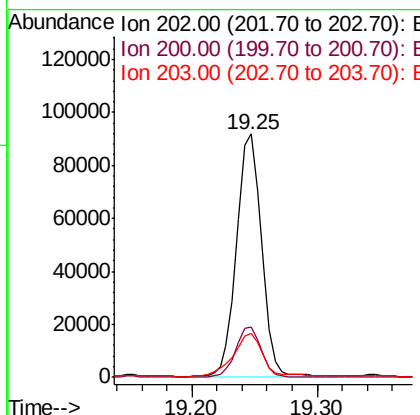
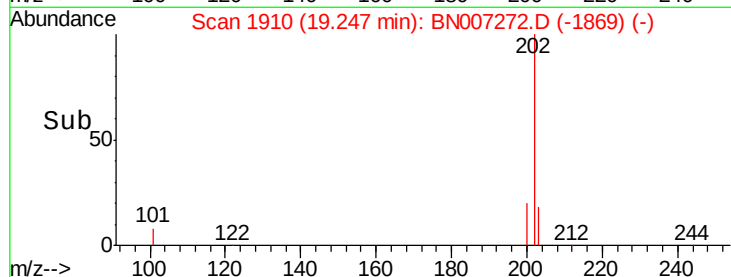
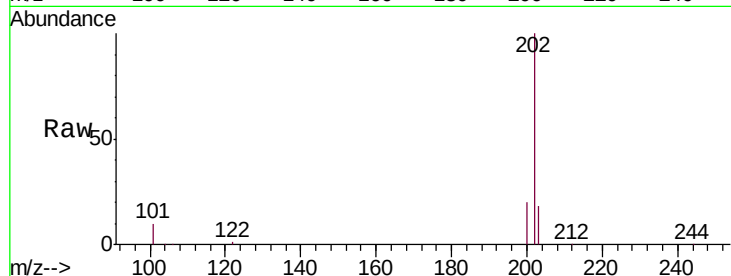
#28
Pvrene
Concen: 1.138 ng
RT: 19.25 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919

Tot Ion	Ratio	Resp	Lower	Upper
202	100	125931		
200	20.8		16.7	25.1
203	20.8		13.9	20.9

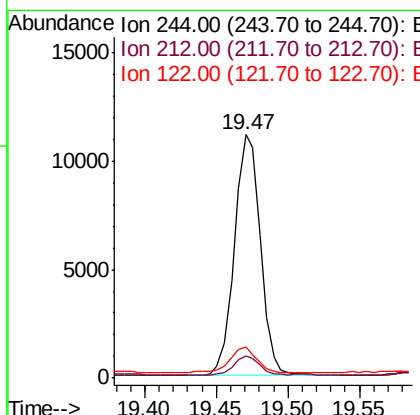
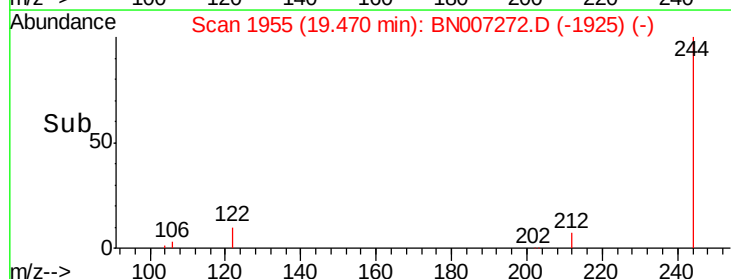
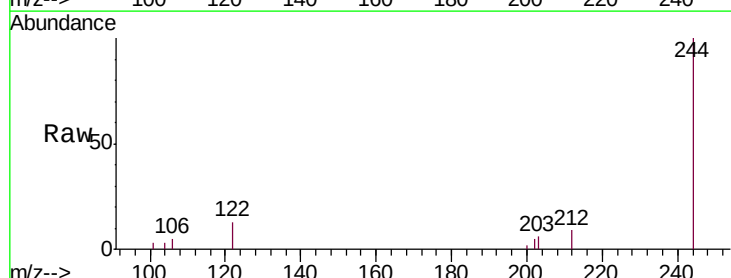
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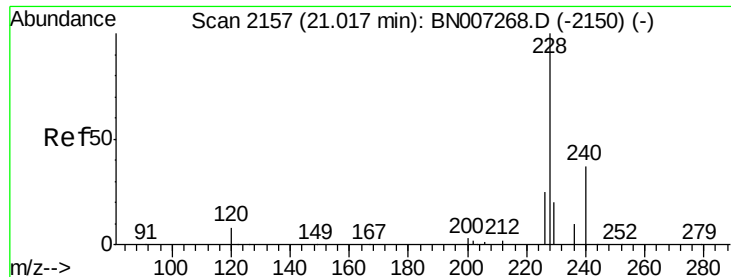
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#29
Terphenyl-d14
Concen: 0.190 ng
RT: 19.47 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	14070		
212	9.0		6.5	9.7
122	12.6		7.9	11.9





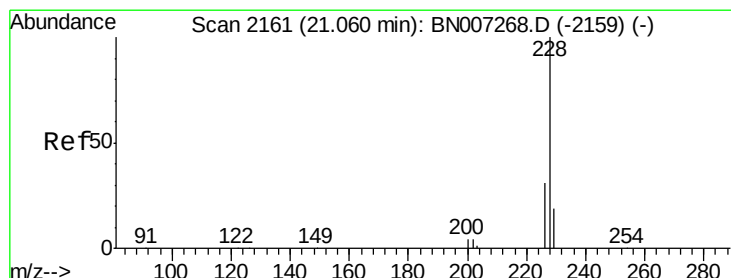
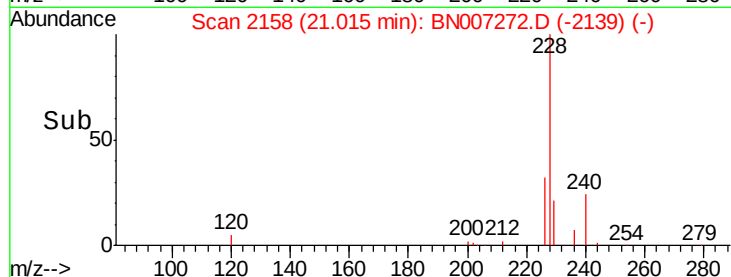
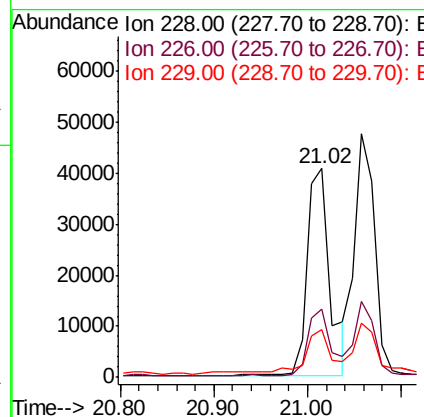
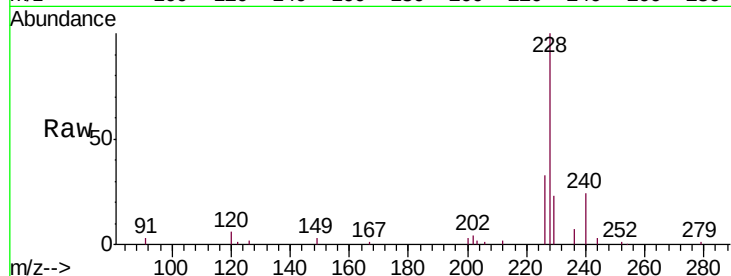
#30
Benzo(a)anthracene
Concen: 0.626 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	20.6	30.8#
229	23.0	16.9	25.3

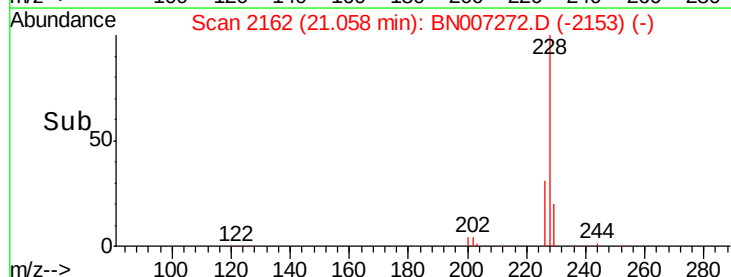
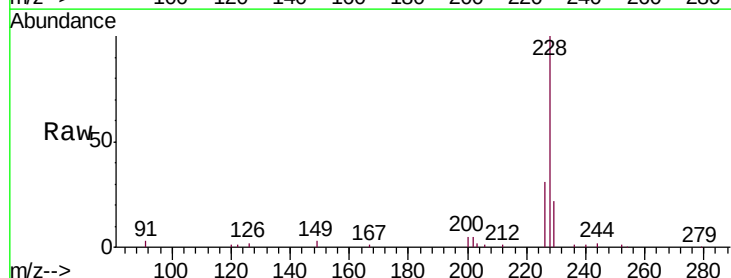
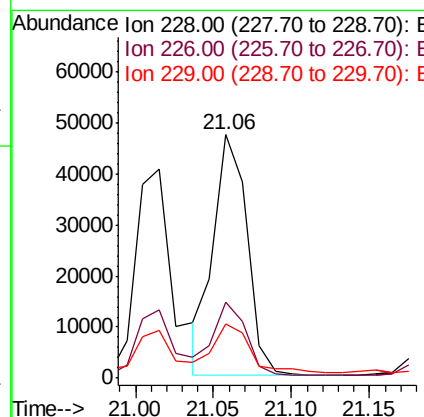
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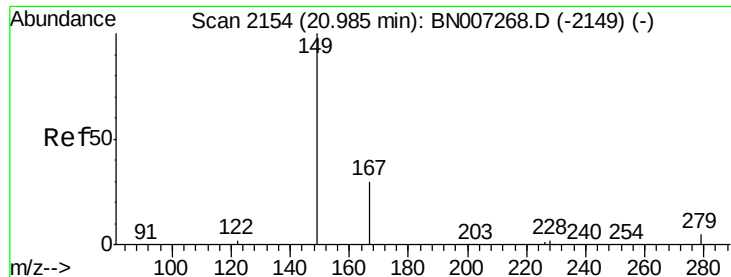
Jagrut
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#31
Chrysene
Concen: 0.629 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	36.8
229	22.1	15.6	23.4





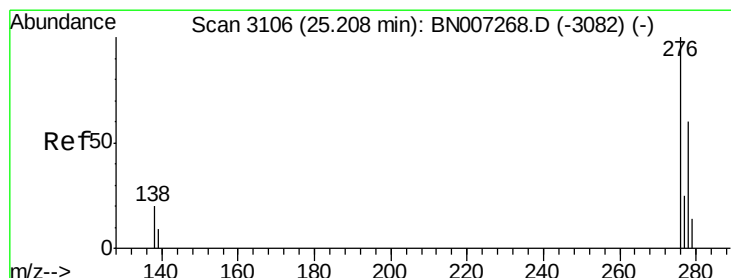
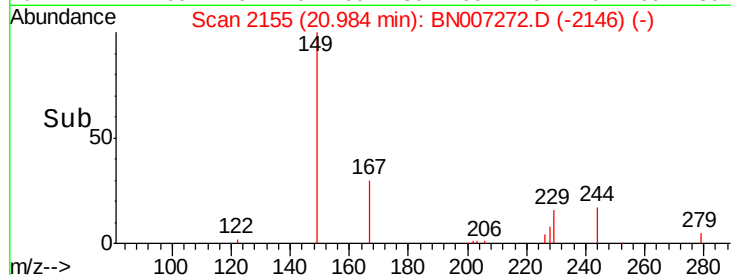
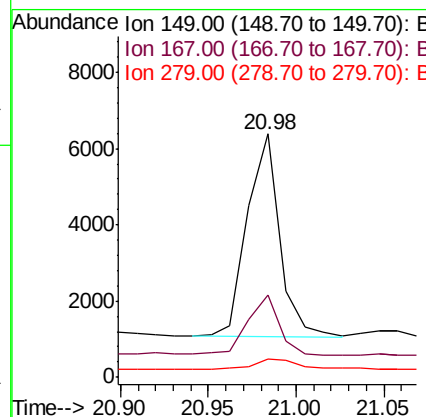
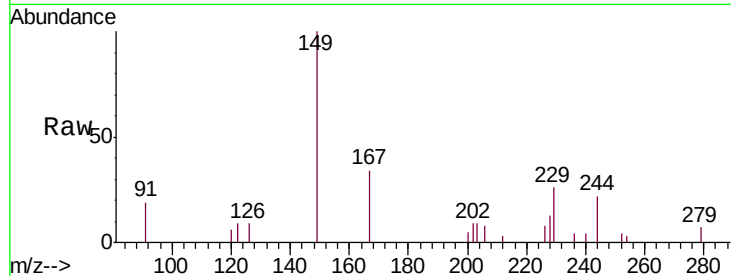
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.154 ng
 RT: 20.98 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BN007272.D
 Acq: 20 Aug 2019 19:39

Instrument :
 BNA_N
 ClientSampleId :
 S300-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.8	35.6
279	8.3	3.8	5.8

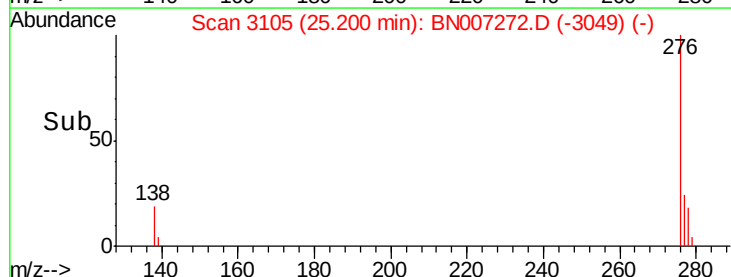
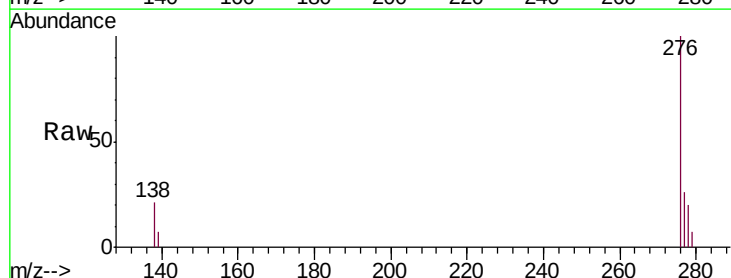
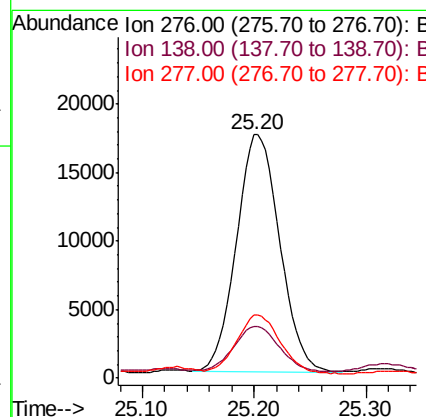
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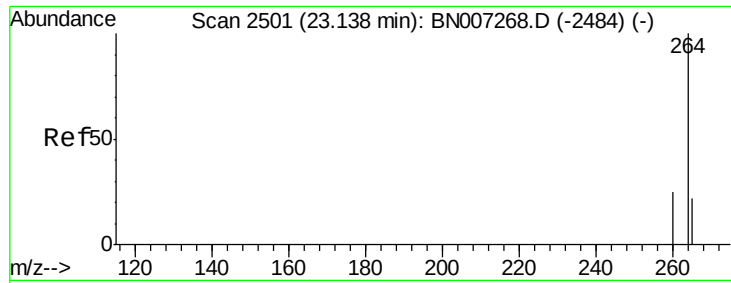
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 8/21/2019 4:06:45 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.346 ng
 RT: 25.20 min Scan# 3105
 Delta R.T. -0.01 min
 Lab File: BN007272.D
 Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	17.1	25.7
277	24.7	20.1	30.1





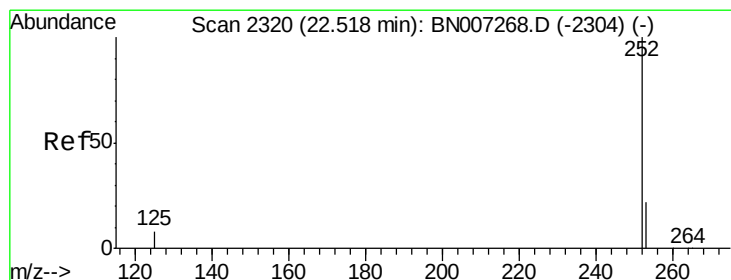
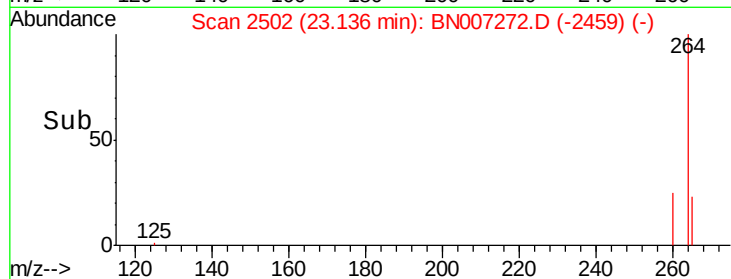
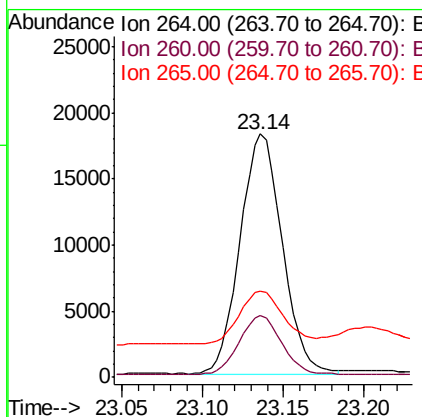
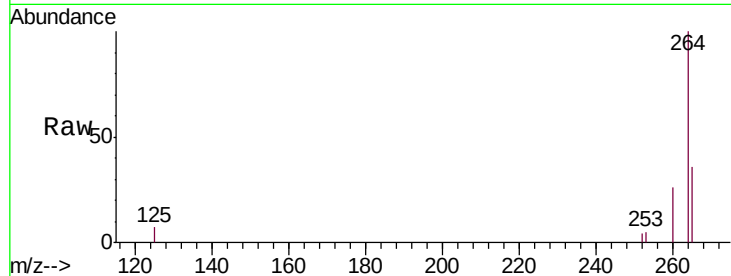
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.14 min Scan# 2502
 Delta R.T. -0.00 min
 Lab File: BN007272.D
 Acq: 20 Aug 2019 19:39

Instrument :
 BNA_N
 ClientSampleId :
 S300-J-1.5-2.0-081919

Tot Ion:	264	Resp:	32886
Ion Ratio	Lower	Upper	
264	100		
260	25.6	20.1	30.1
265	35.6	29.0	43.6

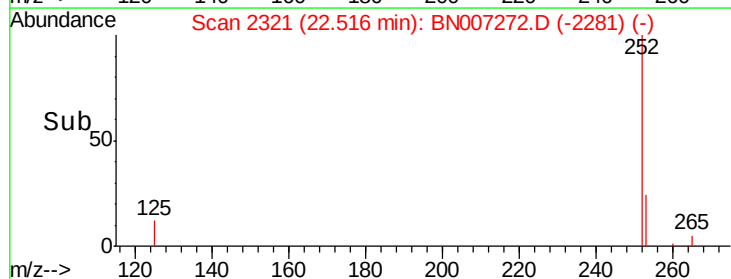
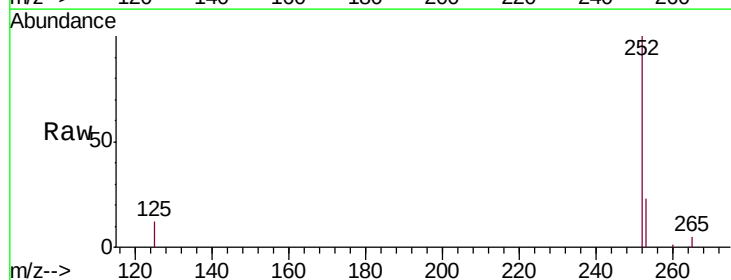
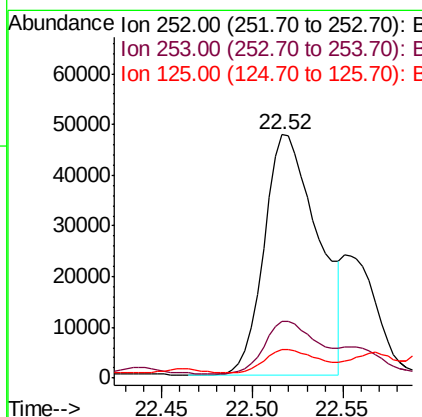
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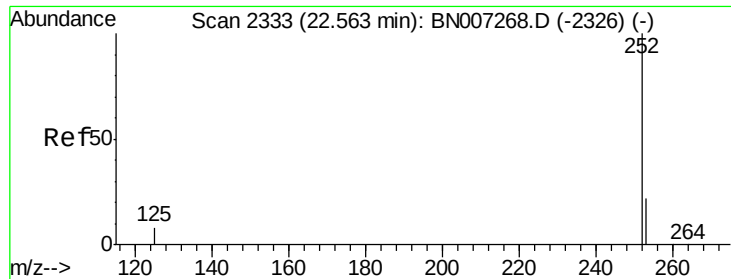
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#35
 Benzo(b)fluoranthene
 Concen: 0.795 ng
 RT: 22.52 min Scan# 2321
 Delta R.T. -0.00 min
 Lab File: BN007272.D
 Acq: 20 Aug 2019 19:39

Tgt Ion:	252	Resp:	97509
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.5	27.7
125	11.6	7.8	11.6





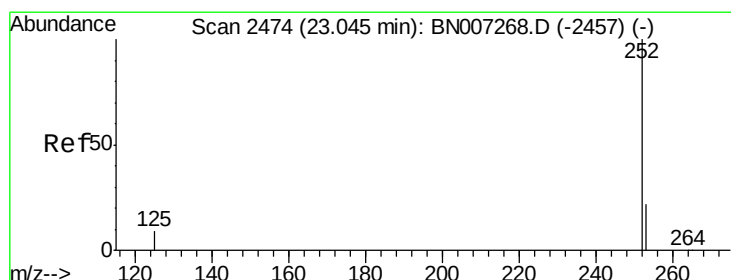
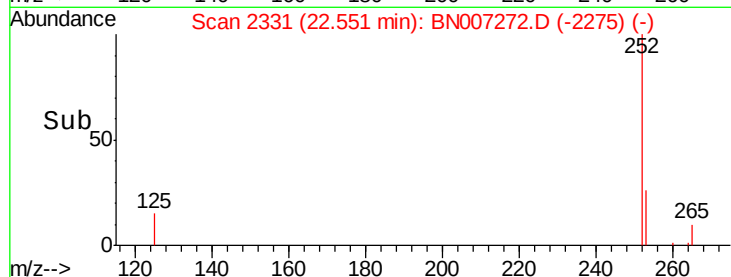
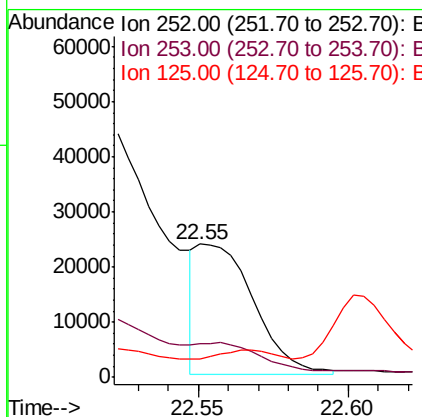
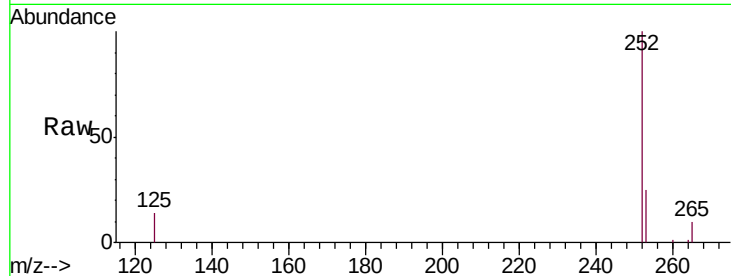
#36
Benzo(k)fluoranthene
Concen: 0.258 ng m
RT: 22.55 min Scan# 2331
Delta R.T. -0.01 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.4	27.6
125	14.1	8.0	12.0

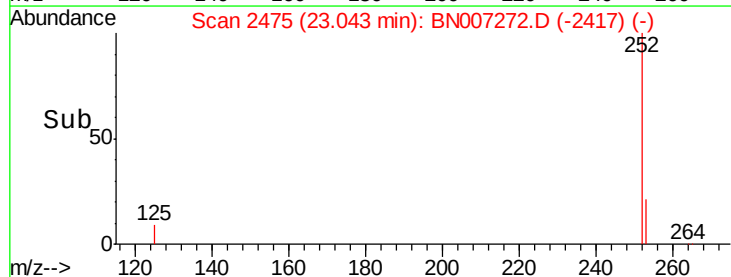
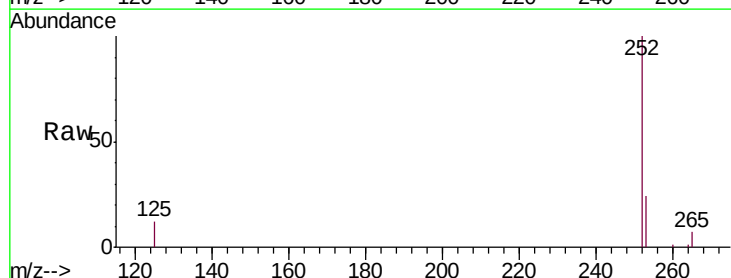
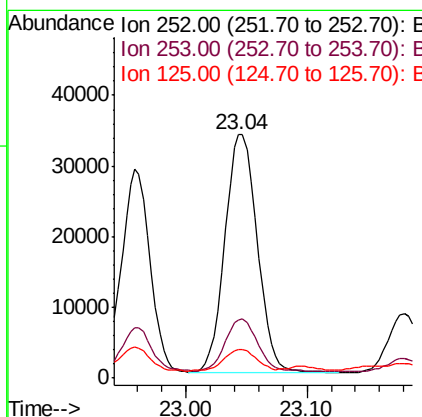
Manual Integrations
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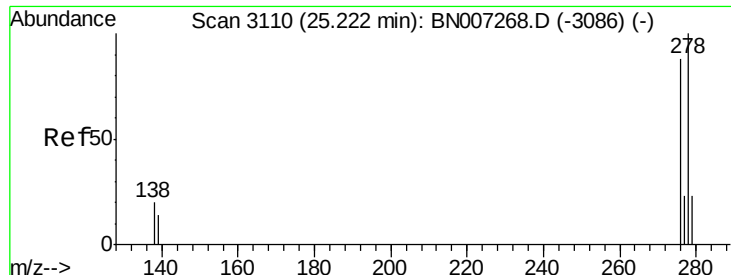
Jagrut
8/21/2019 4:06:45 PM



#37
Benzo(a)pyrene
Concen: 0.568 ng
RT: 23.04 min Scan# 2475
Delta R.T. -0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	11.7	8.7	13.1





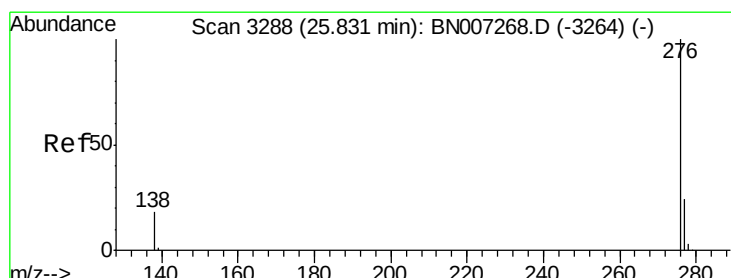
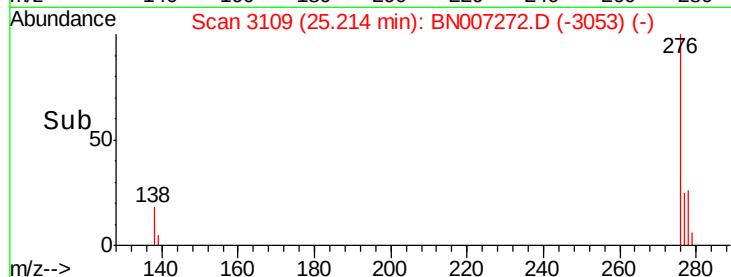
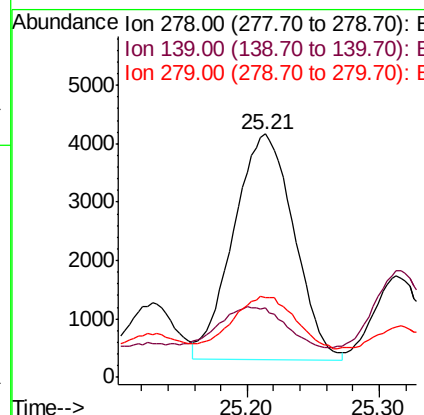
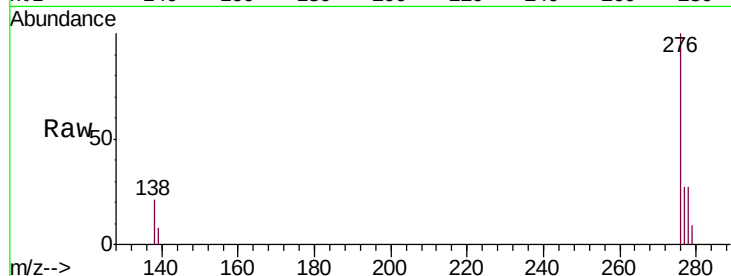
#38
Dibenzo(a,h)anthracene
Concen: 0.106 ng
RT: 25.21 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.4	11.8	17.8#
279	33.0	19.8	29.6#

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 0.395 ng
RT: 25.83 min Scan# 3289
Delta R.T. -0.00 min
Lab File: BN007272.D
Acq: 20 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.5	29.3
138	20.8	15.3	22.9

