

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007353.D
 Acq On : 24 Aug 2019 07:02
 Operator : HP/JU
 Sample : K4282-19 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-011-SW151-080819DL

Manual Integrations
 APPROVED

mohammad
 8/29/2019 8:00:01 AM

Quant Time: Aug 24 22:59:06 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	5176	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	21964	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	12147	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	26637	0.40	ng	0.00
27) Chrysene-d12	21.02	240	26814	0.40	ng	0.00
34) Perylene-d12	23.12	264	37776	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	1029	0.03	ng	0.00
5) Phenol-d6	6.60	99	1250	0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	945	0.05	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	1975	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	355	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2352	0.05	ng	0.00
25) Fluoranthene-d10	18.84	212	4208	0.05	ng	0.00
29) Terphenyl-d14	19.46	244	2960	0.04	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	6322	0.101	ng	94
12) 2-Methylnaphthalene	11.83	142	3884	0.091	ng	98
16) Acenaphthylene	13.76	152	42257	0.588	ng	100
17) Acenaphthene	14.11	154	1798	0.043	ng	96
18) Fluorene	15.10	166	5156	0.097	ng	# 78
23) Phenanthrene	16.84	178	85530	1.067	ng	100
24) Anthracene	16.93	178	30094	0.373	ng	99
26) Fluoranthene	18.87	202	220586	2.144	ng	99
28) Pyrene	19.24	202	240098	2.226	ng	97
30) Benzo(a)anthracene	21.00	228	131971m	1.253	ng	
31) Chrysene	21.05	228	143720	1.414	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	79773	1.152	ng	99
33) Indeno(1,2,3-cd)pyrene	25.18	276	90154	0.736	ng	97
35) Benzo(b)fluoranthene	22.51	252	200271m	1.463	ng	
36) Benzo(k)fluoranthene	22.54	252	60084m	0.444	ng	
37) Benzo(a)pyrene	23.03	252	116864m	0.897	ng	
38) Dibenzo(a,h)anthracene	25.19	278	23094	0.178	ng	# 91
39) Benzo(a,h,i)perylene	25.81	276	90117	0.696	ng	97

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

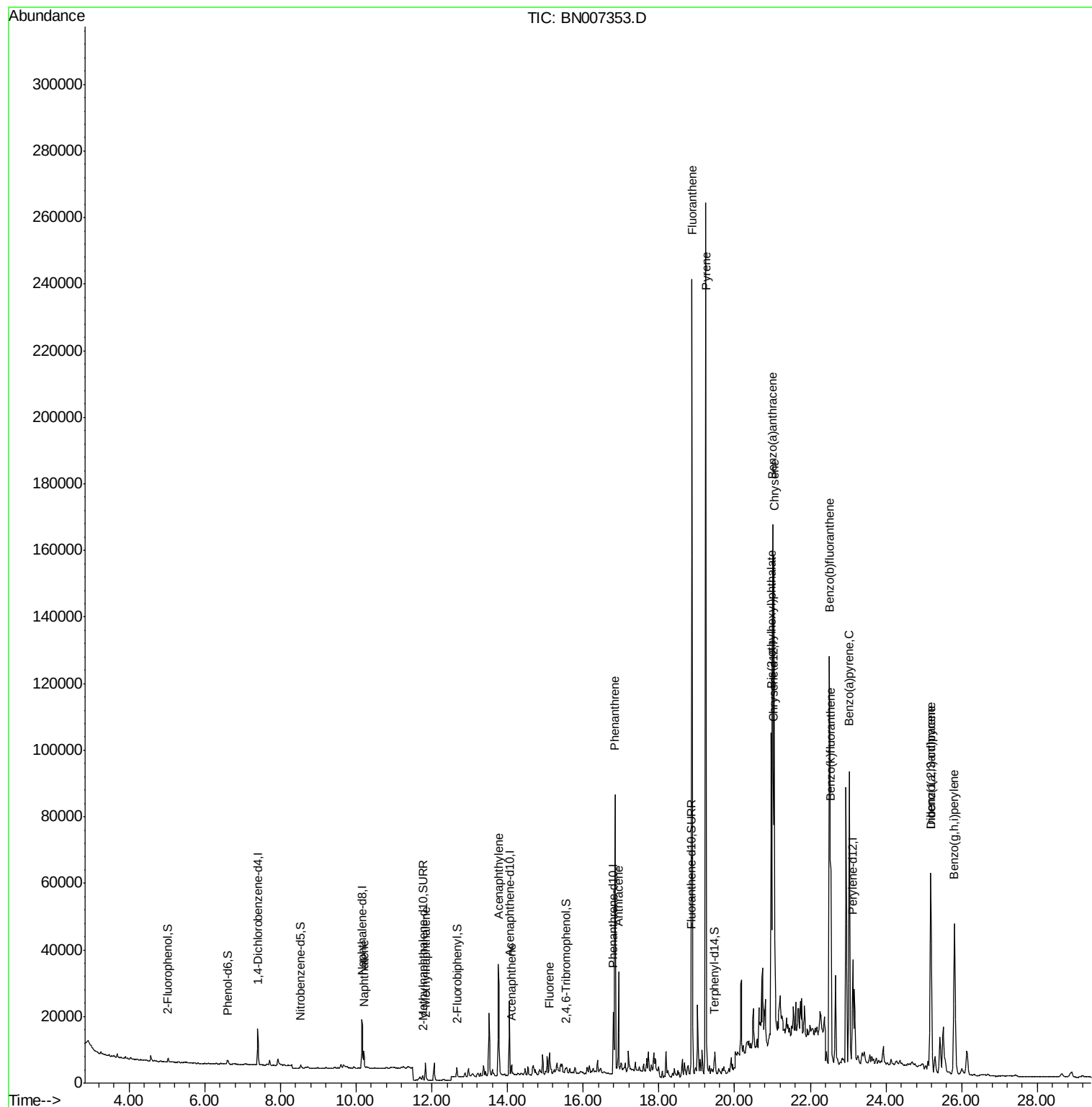
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
Data File : BN007353.D
Acq On : 24 Aug 2019 07:02
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Misc :
ALS Vial : 21 Sample Multiplier: 1

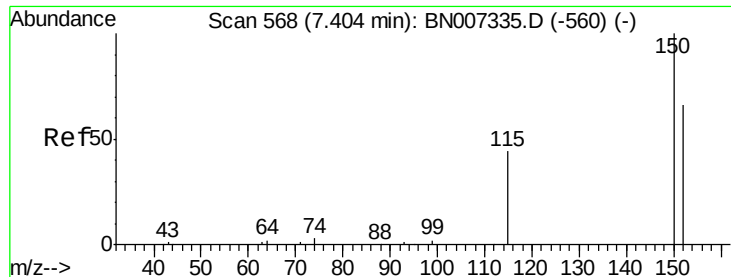
Instrument :
BNA_N
ClientSampleId :
EXT-011-SW151-080819DL

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

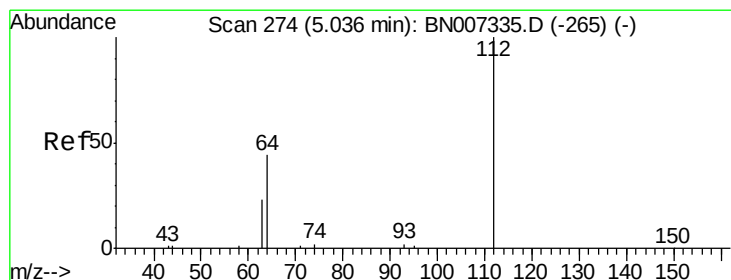
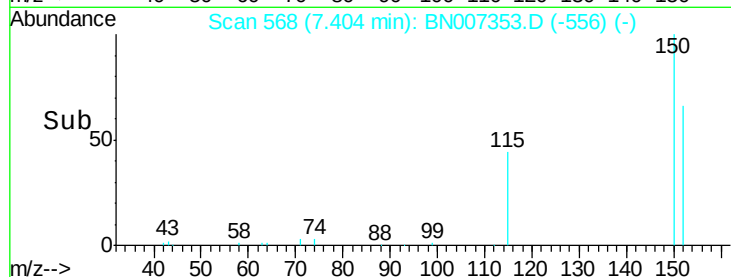
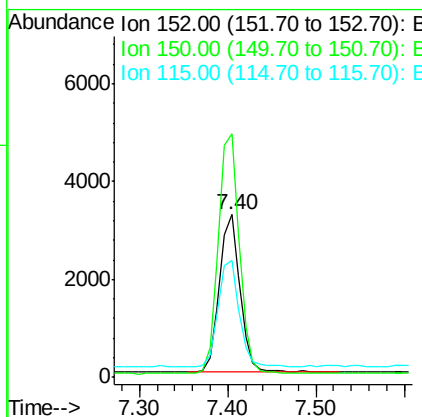
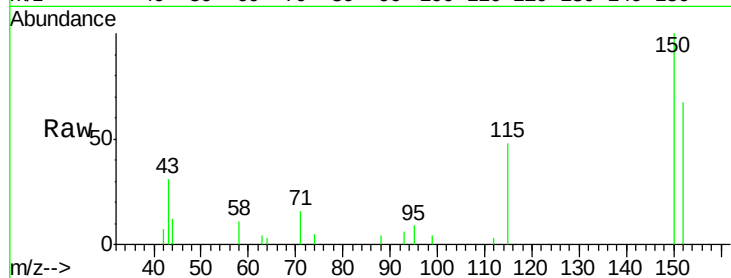
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Instrument :
BNA_N
ClientSampleId :
EXT-011-SW151-080819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	109.1	163.7
115	72.0	59.6	89.4

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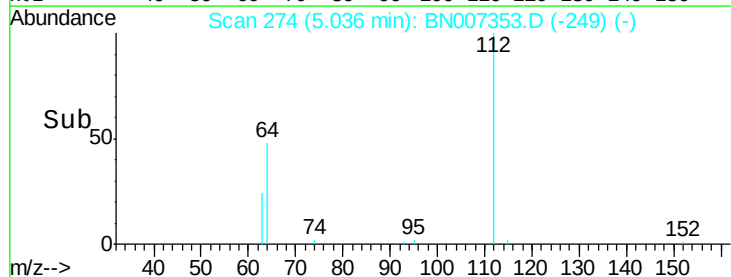
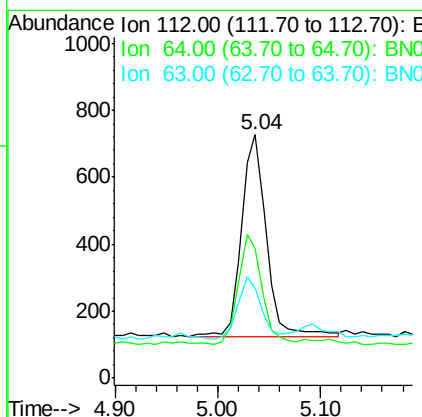
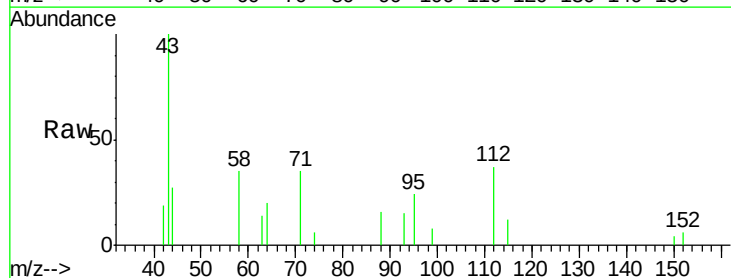
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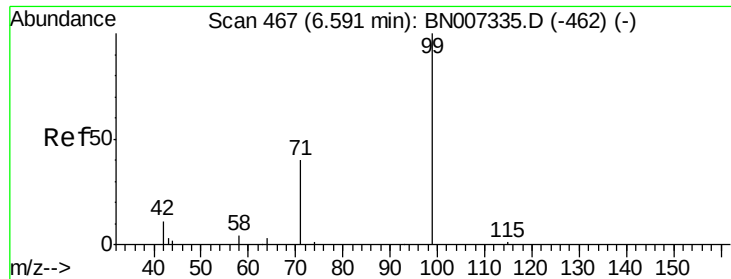


#4

2-Fluorophenol
Concen: 0.031 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	42.3	63.5
63	28.8	23.6	35.4





#5

Phenol-d6

Concen: 0.026 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Instrument :

BNA_N

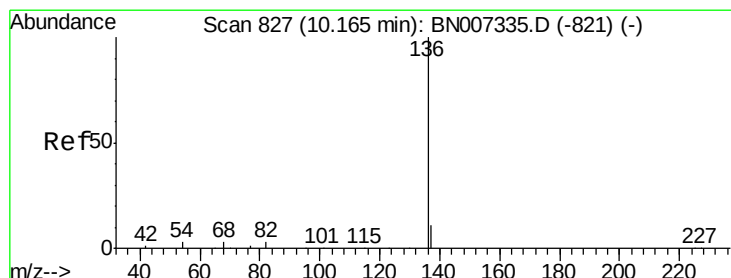
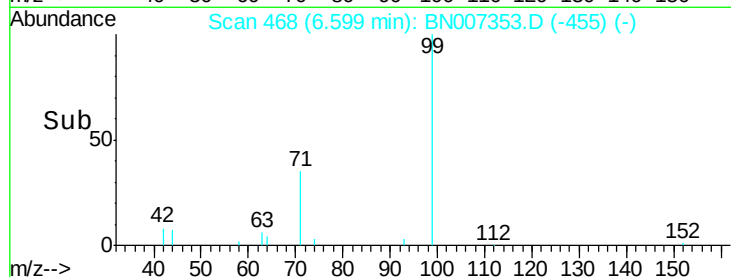
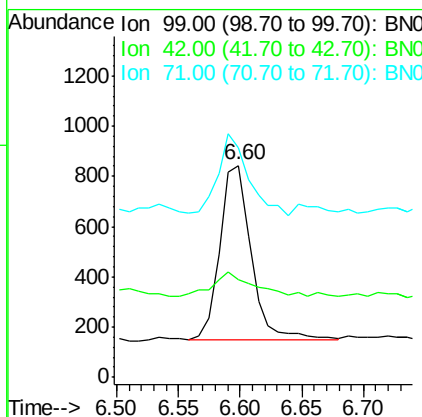
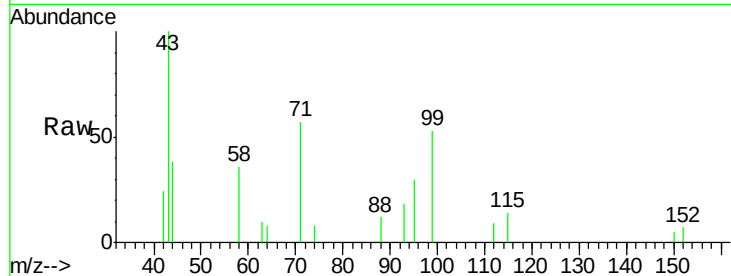
ClientSampleId :

EXT-011-SW151-080819DL

Tot Ion:	99	Resp:	1250
Ion	Ratio	Lower	Upper
99	100		
42	17.7	11.2	16.8#
71	45.0	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

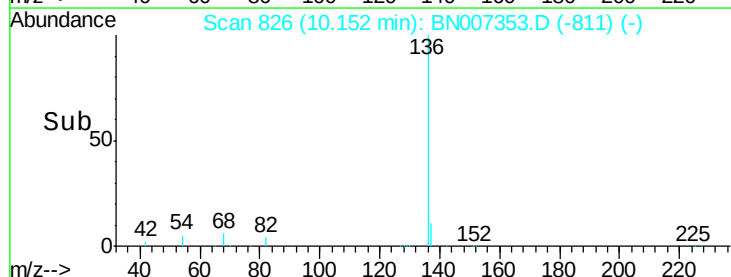
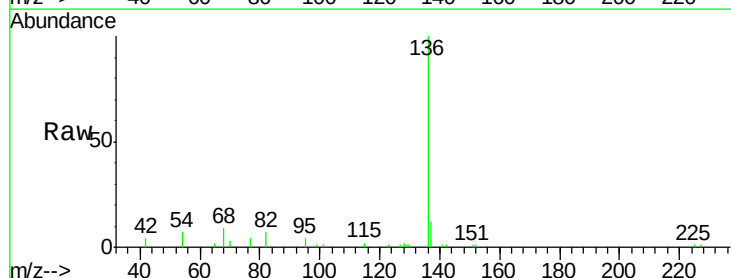
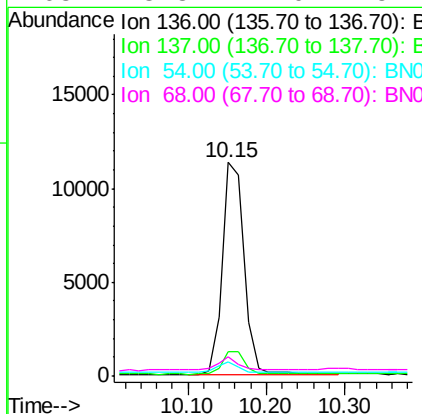
RT: 10.15 min Scan# 826

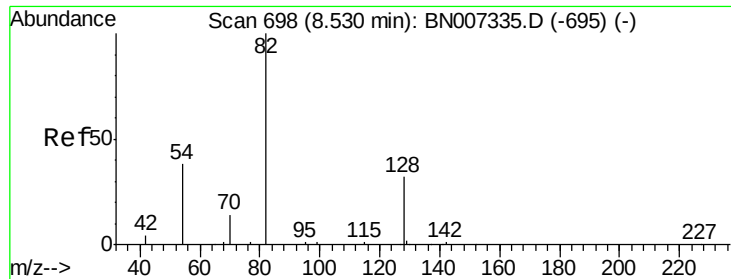
Delta R.T. -0.01 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Tgt Ion:	136	Resp:	21964
Ion	Ratio	Lower	Upper
136	100		
137	11.7	12.9	19.3#
54	6.7	8.6	12.8#
68	8.8	17.0	25.4#





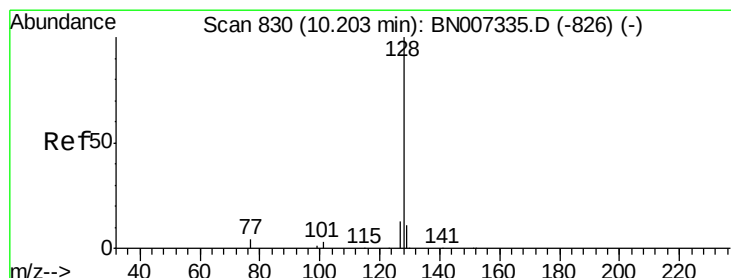
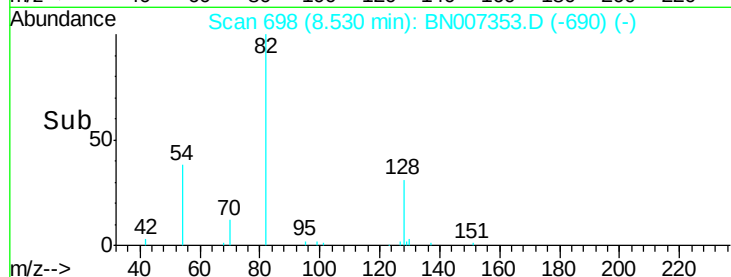
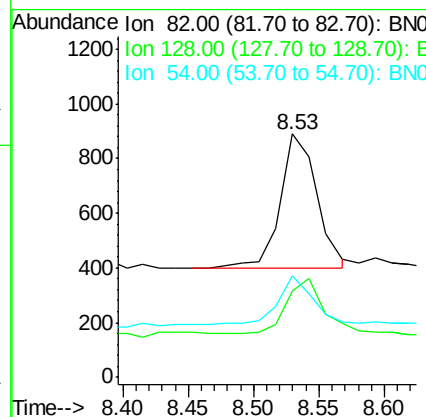
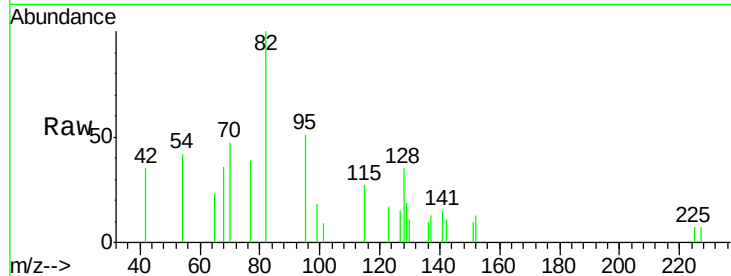
#8
 Nitrobenzene-d5
 Concen: 0.049 ng
 RT: 8.53 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BN007353.D
 Acq: 24 Aug 2019 07:02

Instrument :
 BNA_N
 ClientSampleId :
 EXT-011-SW151-080819DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.2	19.7	29.5#
54	41.9	25.8	38.6#

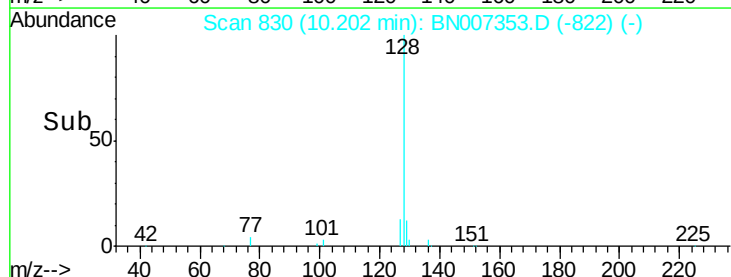
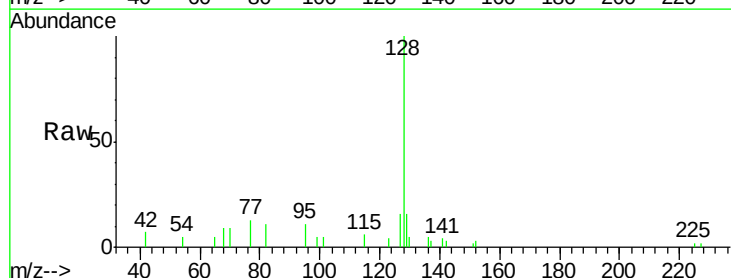
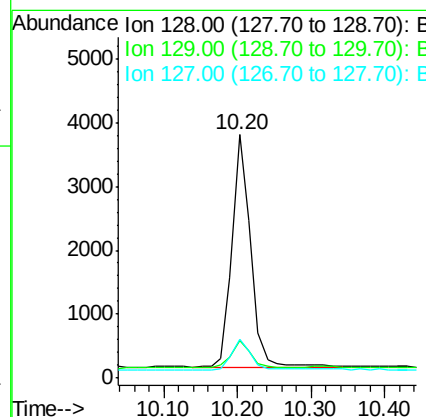
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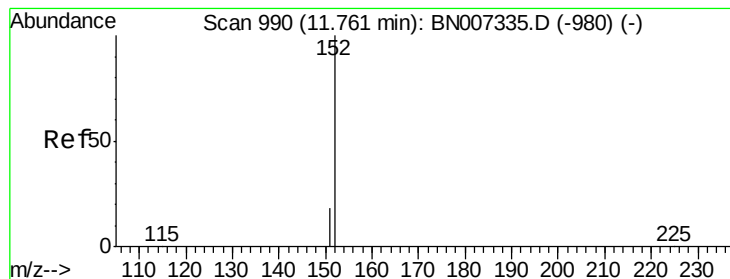
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#9
 Naphthalene
 Concen: 0.101 ng
 RT: 10.20 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BN007353.D
 Acq: 24 Aug 2019 07:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.5	11.1	16.7
127	16.2	15.5	23.3





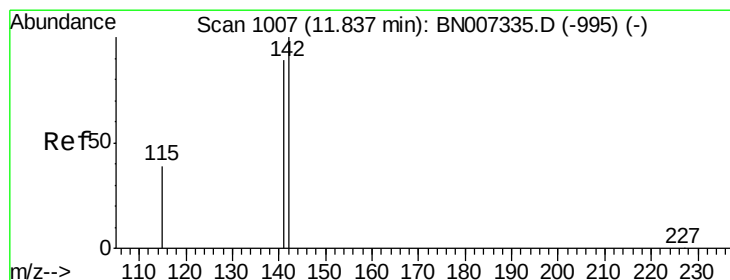
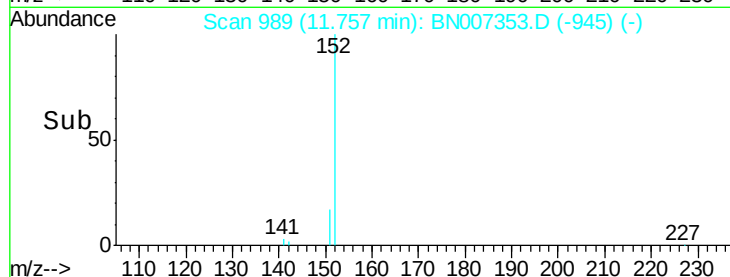
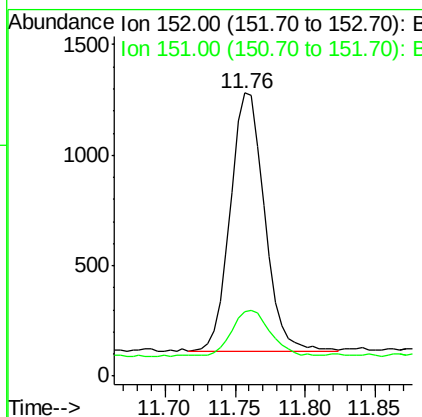
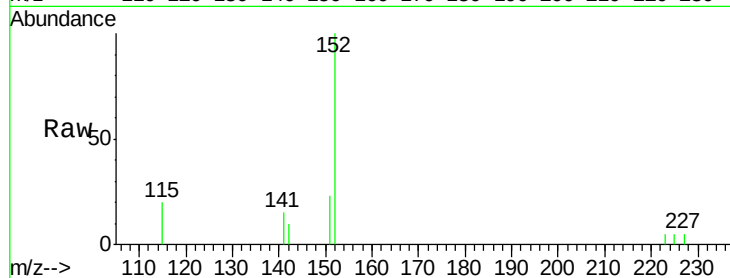
#11
 2-Methylnaphthalene-d10
 Concen: 0.054 ng
 RT: 11.76 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BN007353.D
 Acq: 24 Aug 2019 07:02

Instrument :
 BNA_N
 ClientSampleId :
 EXT-011-SW151-080819DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.2

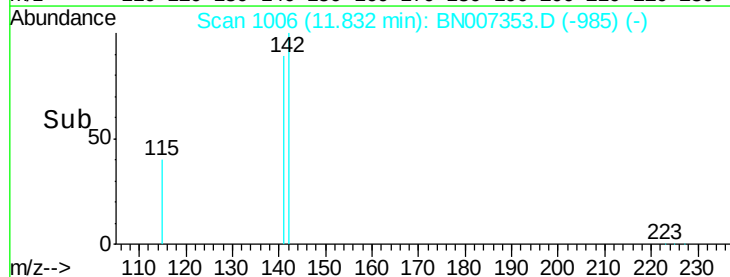
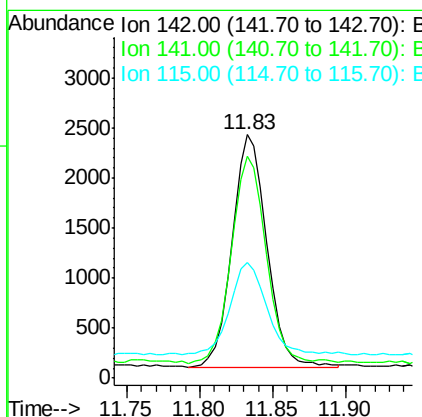
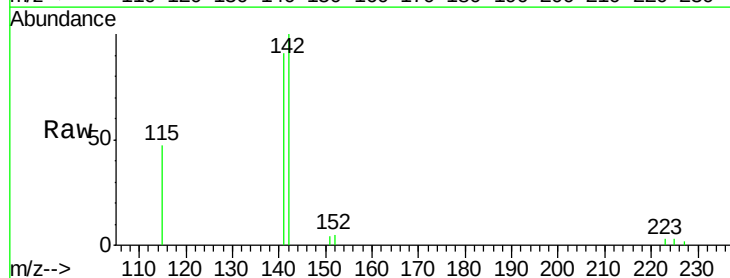
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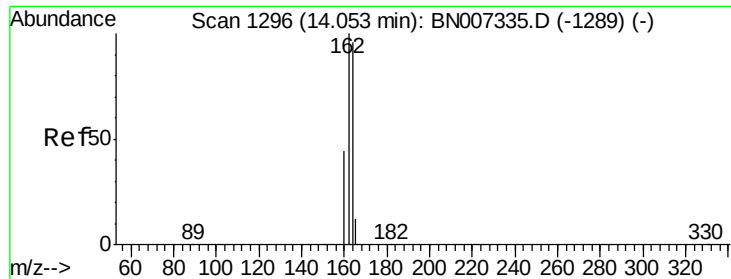
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#12
 2-Methylnaphthalene
 Concen: 0.091 ng
 RT: 11.83 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BN007353.D
 Acq: 24 Aug 2019 07:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.8	109.2
115	47.3	35.2	52.8





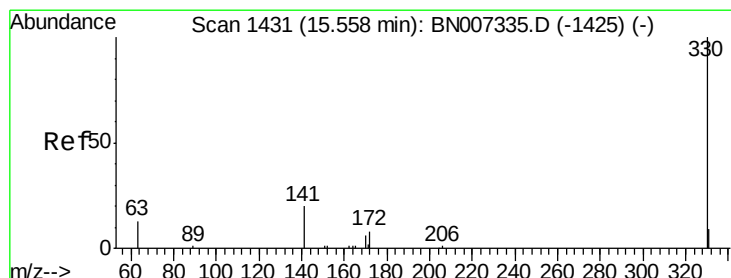
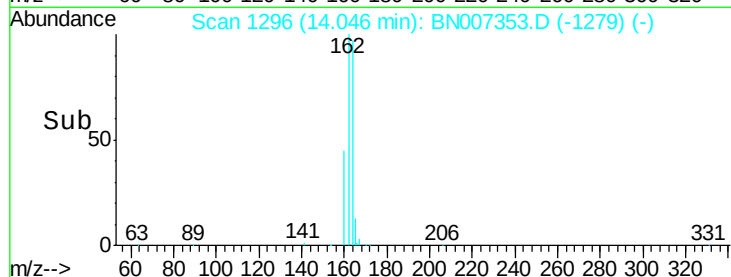
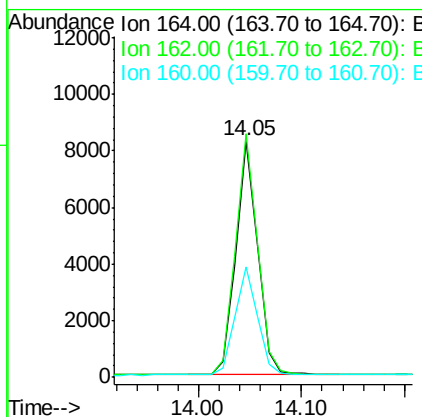
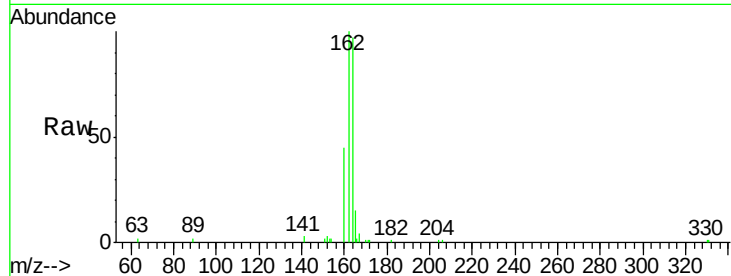
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Instrument :
BNA_N
ClientSampleId :
EXT-011-SW151-080819DL

Tot Ion:	164	Resp:	12147
Ion Ratio	Lower	Upper	
164	100		
162	103.1	83.5	125.3
160	46.7	38.2	57.4

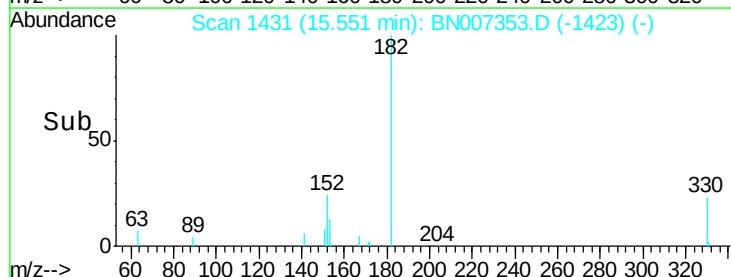
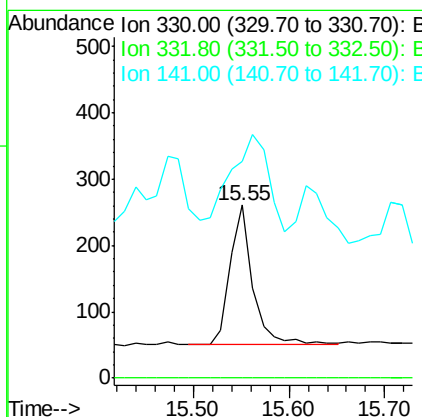
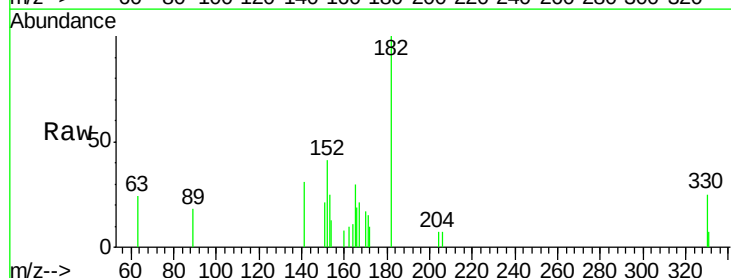
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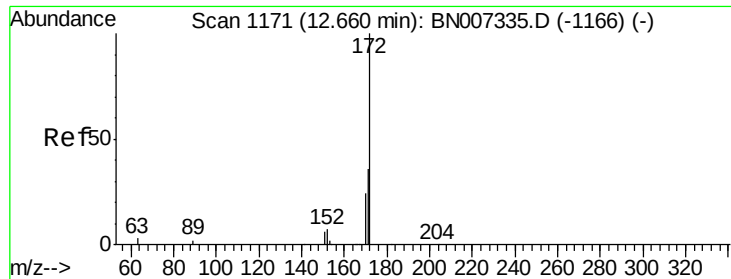
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#14
2,4,6-Tribromophenol
Concen: 0.056 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Tgt Ion:	330	Resp:	355
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	112.7	26.9	40.3#





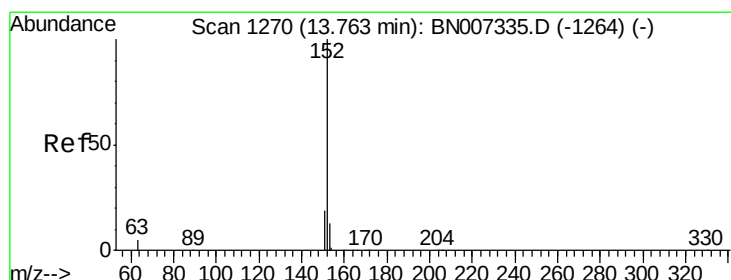
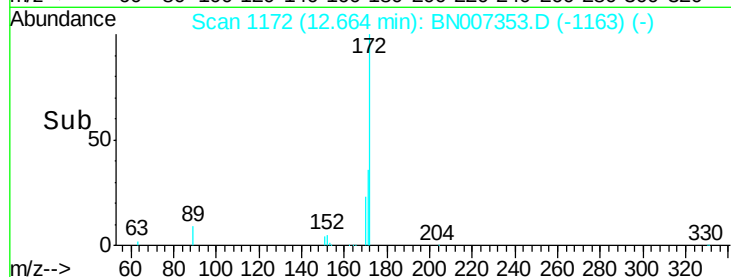
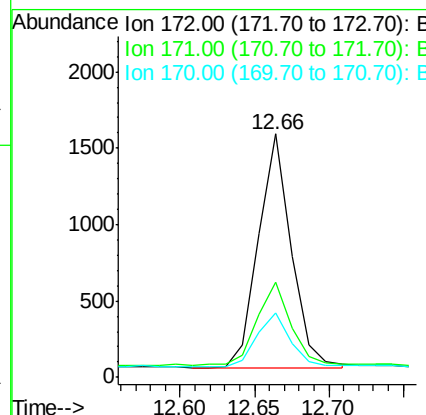
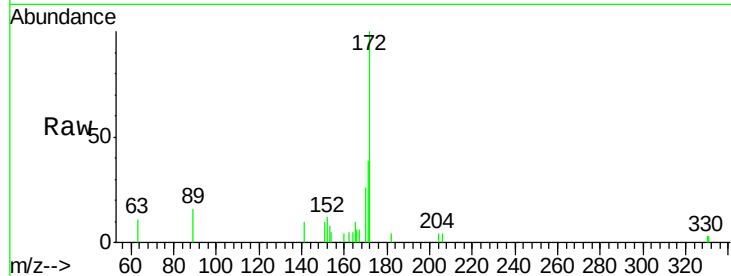
#15
2-Fluorobiphenyl
Concen: 0.048 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Instrument :
BNA_N
ClientSampleId :
EXT-011-SW151-080819DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.3	30.3	45.5
170	26.2	20.7	31.1

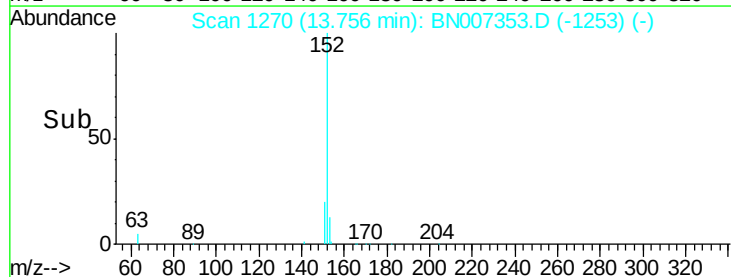
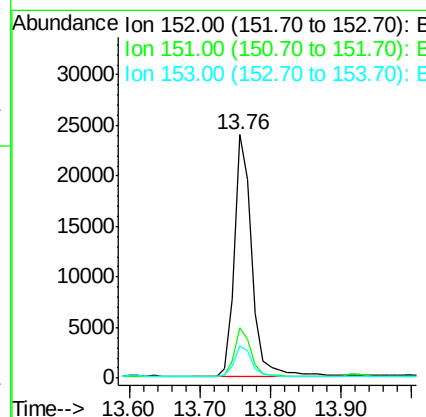
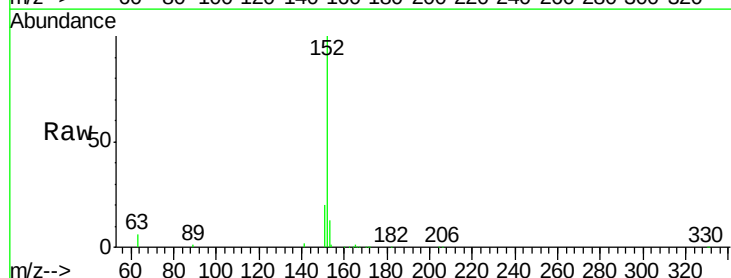
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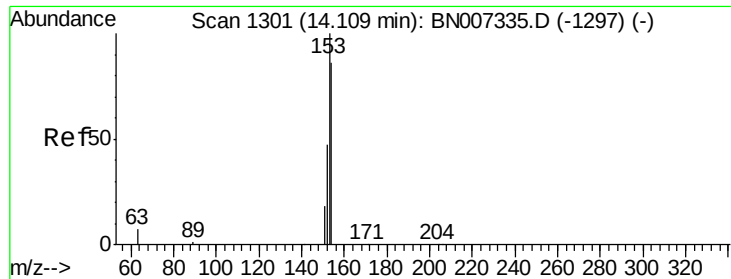
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#16
Acenaphthylene
Concen: 0.588 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.2	10.6	15.8





#17

Acenaphthene

Concen: 0.043 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Instrument :

BNA_N

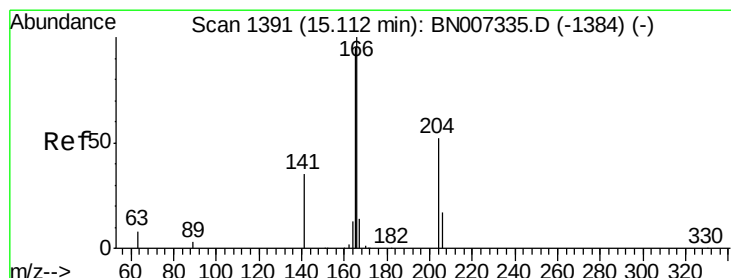
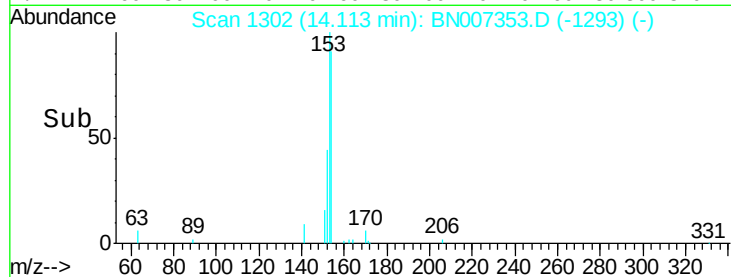
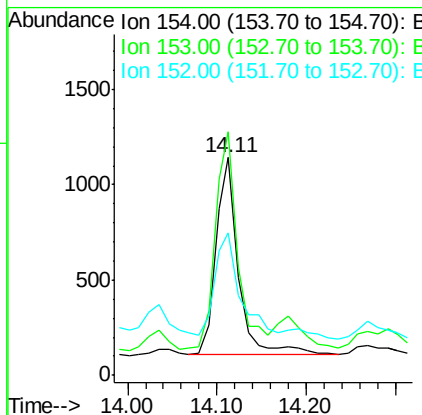
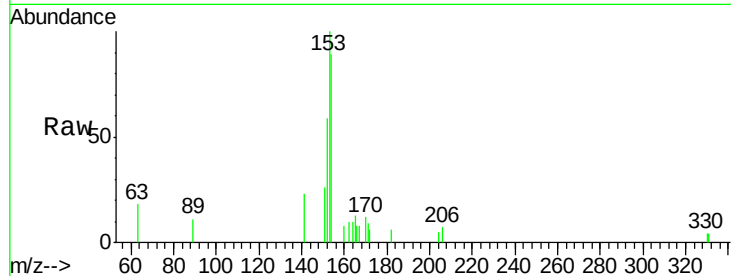
ClientSampleId :

EXT-011-SW151-080819DL

Tot Ion:	154	Resp:	1798
Ion	Ratio	Lower	Upper
154	100		
153	110.6	92.8	139.2
152	56.8	43.8	65.8

Manual Integrations
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#18

Fluorene

Concen: 0.097 ng

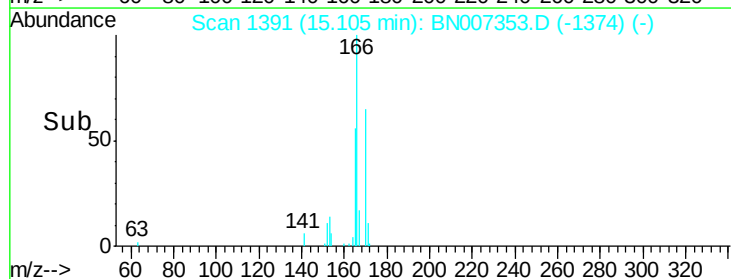
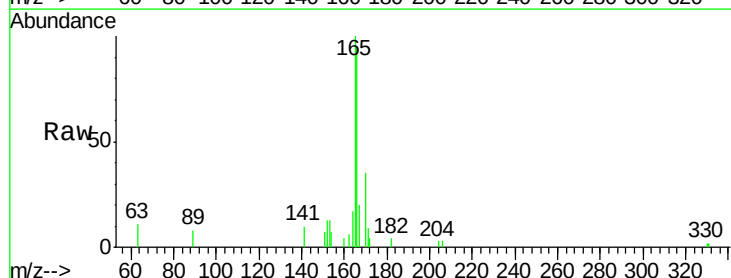
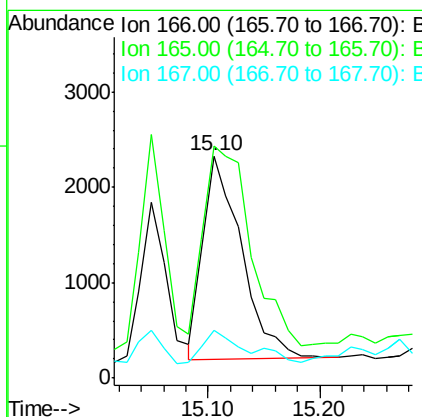
RT: 15.10 min Scan# 1391

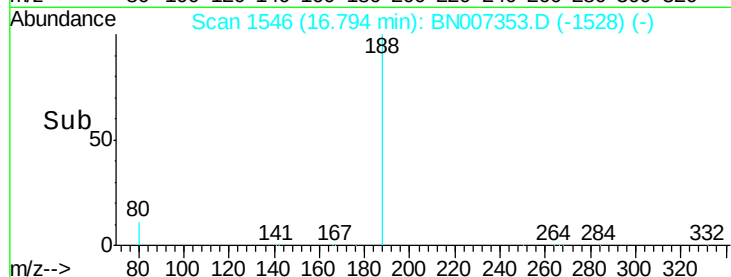
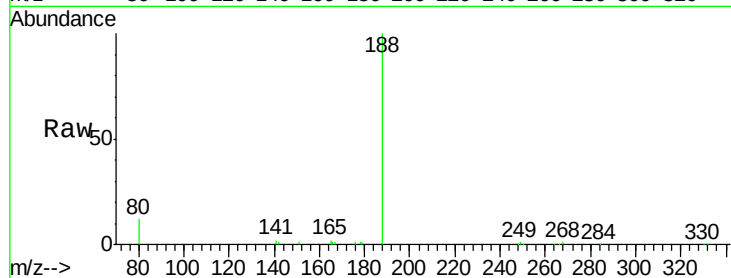
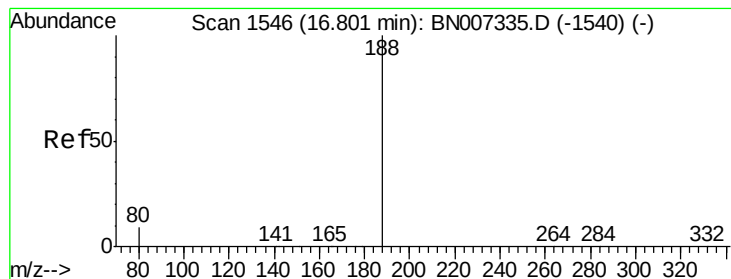
Delta R.T. -0.01 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Tgt Ion:	166	Resp:	5156
Ion	Ratio	Lower	Upper
166	100		
165	121.9	79.0	118.4#
167	18.4	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: BN007353.D

Acq: 24 Aug 2019 07:02

Tot Ion:	188	Resp:	26637
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.3	11.8	17.8

Instrument :

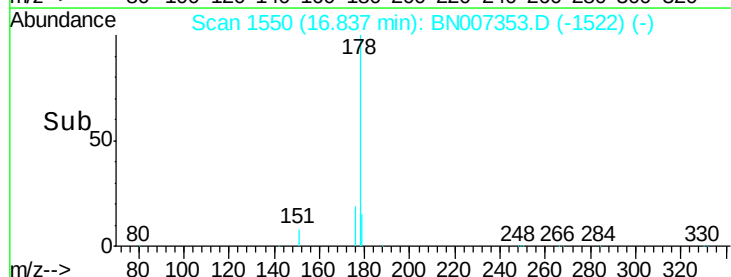
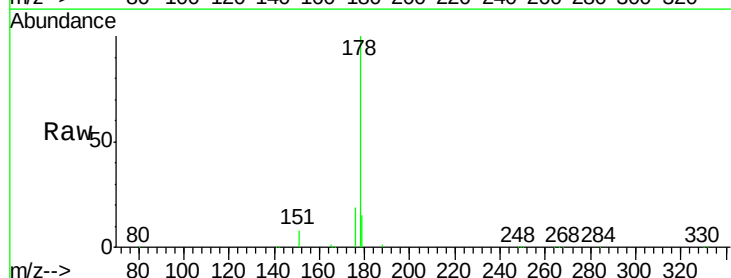
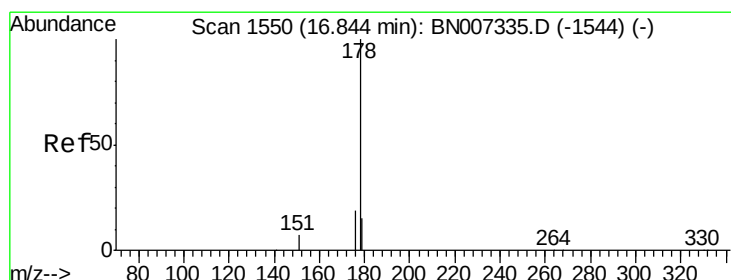
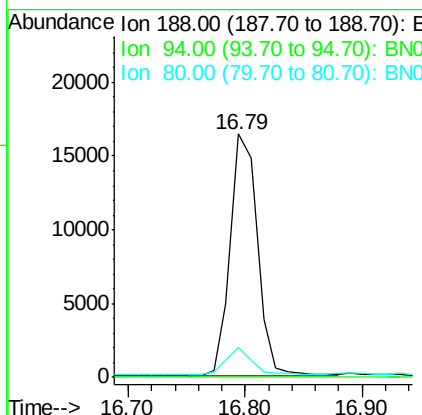
BNA_N

ClientSampleId :

EXT-011-SW151-080819DL

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#23

Phenanthrene

Concen: 1.067 ng

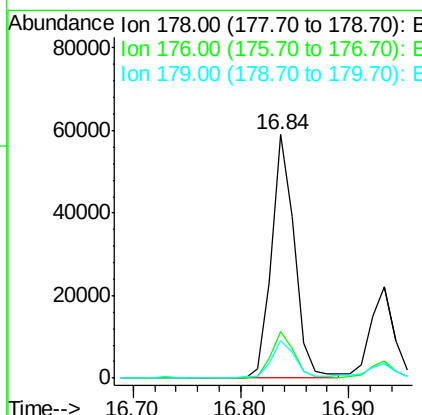
RT: 16.84 min Scan# 1550

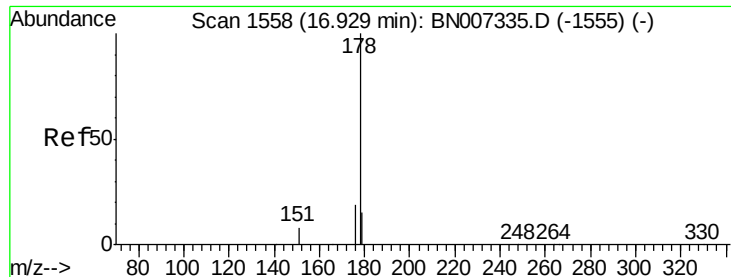
Delta R.T. -0.01 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Tgt Ion:	178	Resp:	85530
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.5	12.6	19.0





#24

Anthracene

Concen: 0.373 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Instrument :

BNA_N

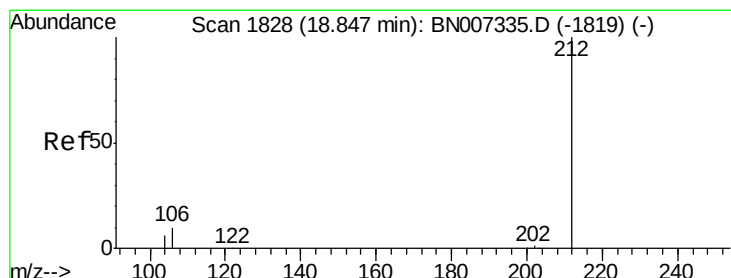
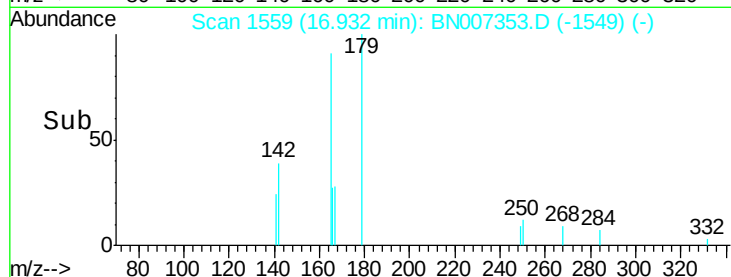
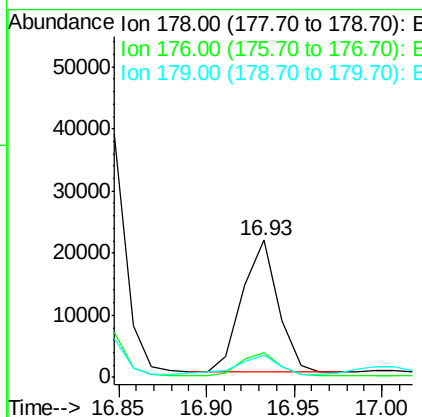
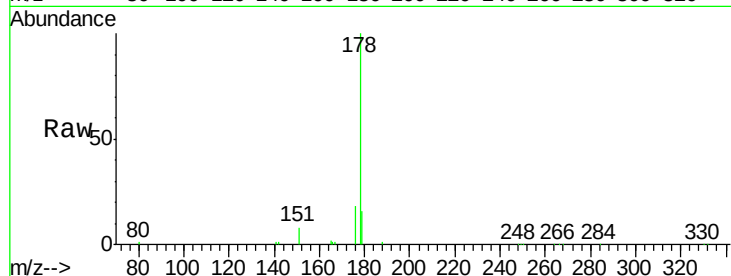
ClientSampleId :

EXT-011-SW151-080819DL

Tot Ion:	178	Resp:	30094
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.9	22.3
179	16.6	12.4	18.6

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.049 ng

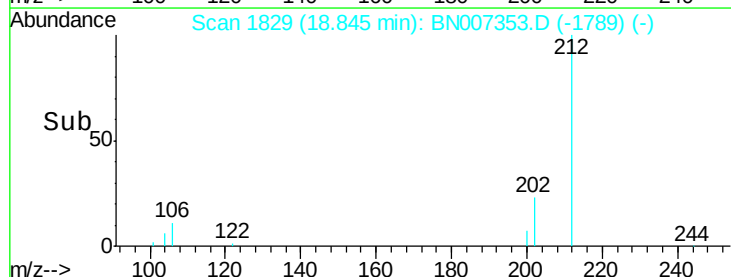
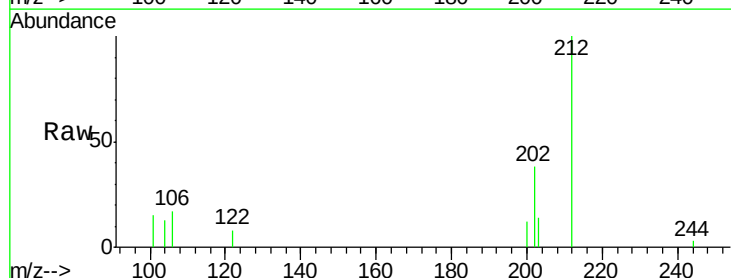
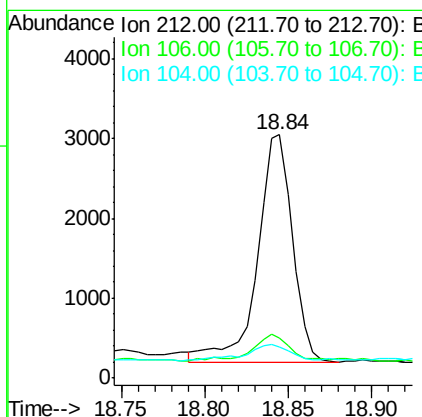
RT: 18.84 min Scan# 1829

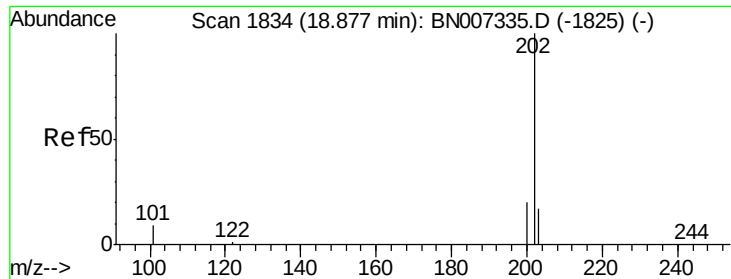
Delta R.T. -0.00 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Tgt Ion:	212	Resp:	4208
Ion Ratio	Lower	Upper	
212	100		
106	12.4	9.0	13.4
104	9.9	5.4	8.2#





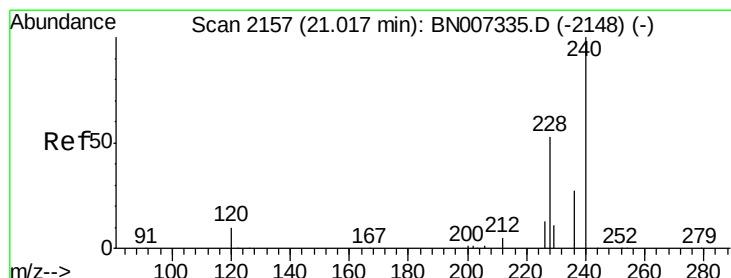
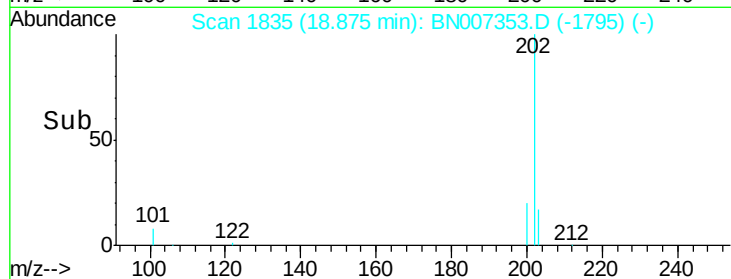
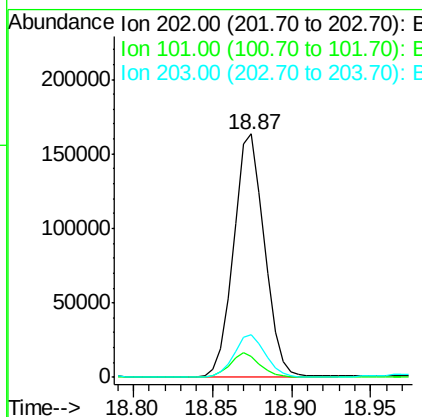
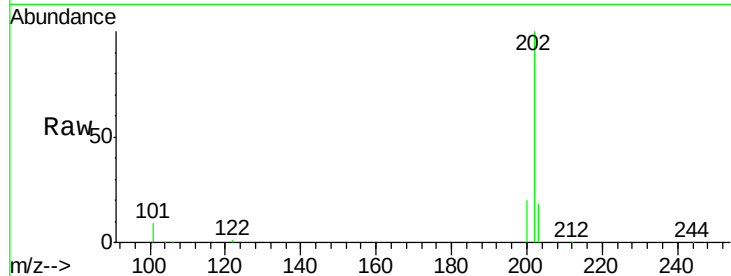
#26
Fluoranthene
Concen: 2.144 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Instrument :
BNA_N
ClientSampleId :
EXT-011-SW151-080819DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	220586		
101	9.6		7.7	11.5
203	17.6		13.7	20.5

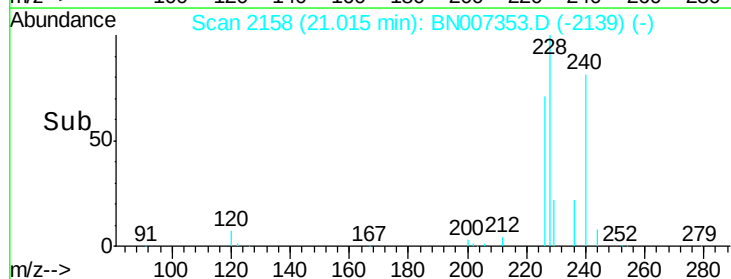
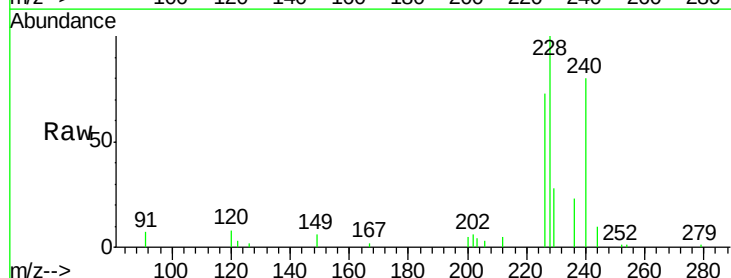
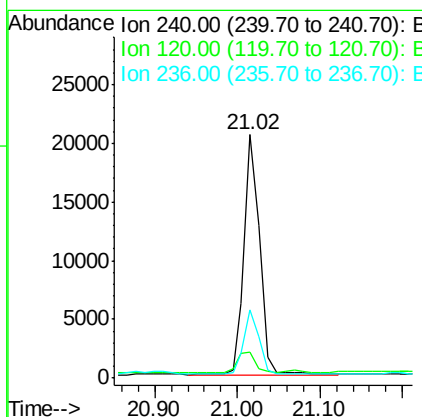
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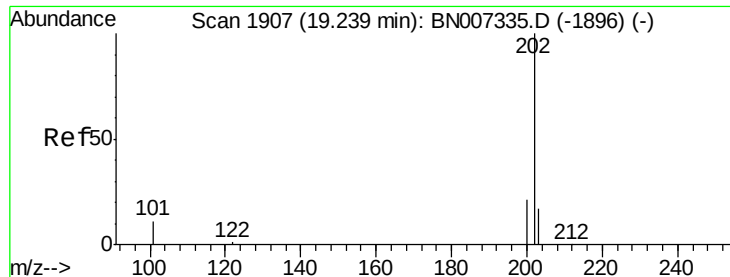
mohammad
8/29/2019 8:00:01 AM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	26814		
120	10.5		9.6	14.4
236	28.3		22.2	33.2





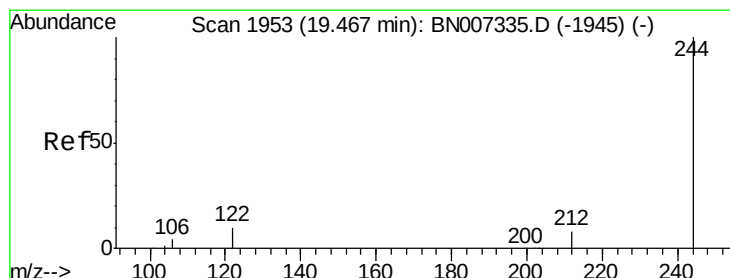
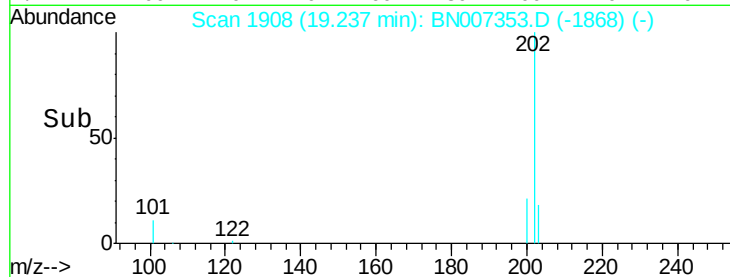
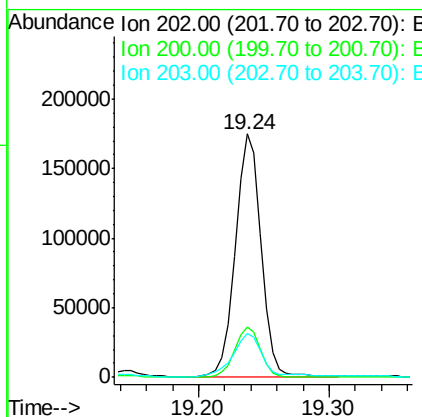
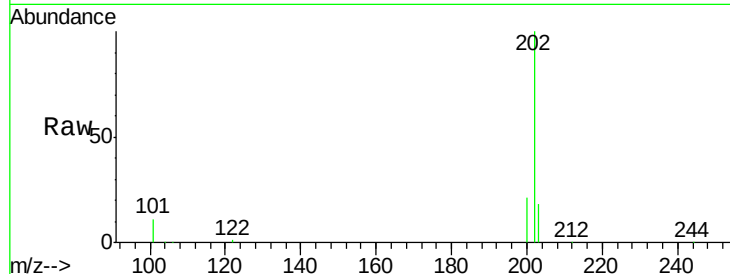
#28
Pvrene
Concen: 2.226 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Instrument :
BNA_N
ClientSampleId :
EXT-011-SW151-080819DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	16.6	25.0	
203	20.3	14.2	21.4	

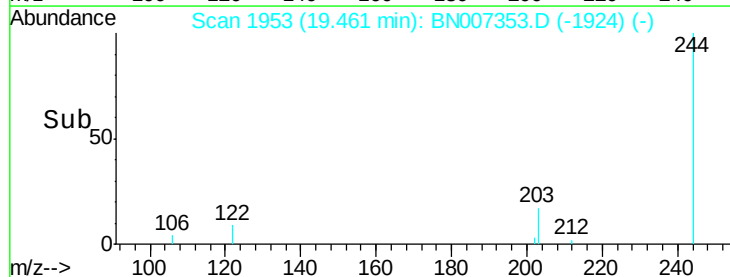
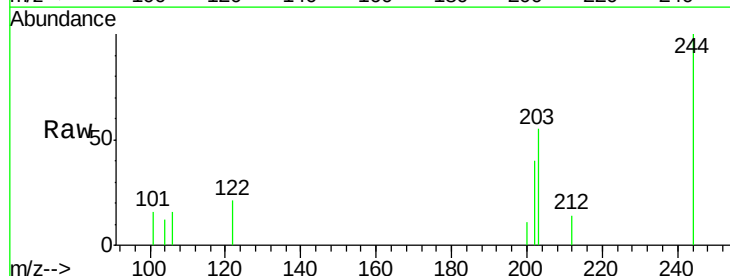
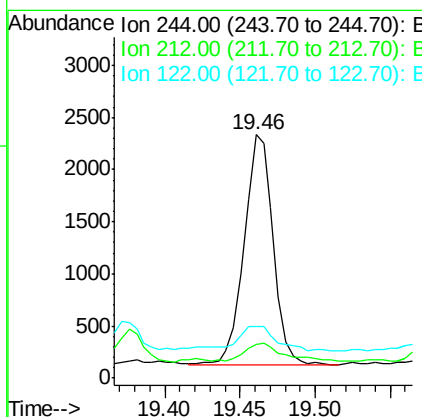
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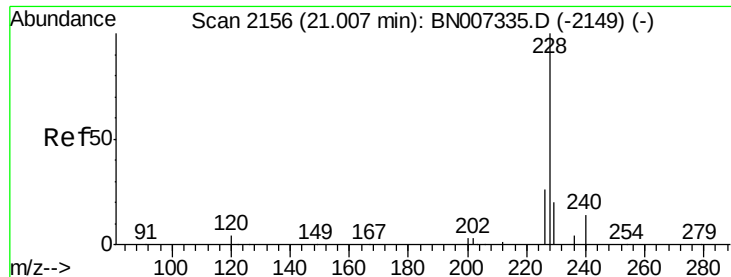
mohammad
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#29
Terphenyl-d14
Concen: 0.042 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	14.1	7.0	10.6#	
122	21.2	9.6	14.4#	





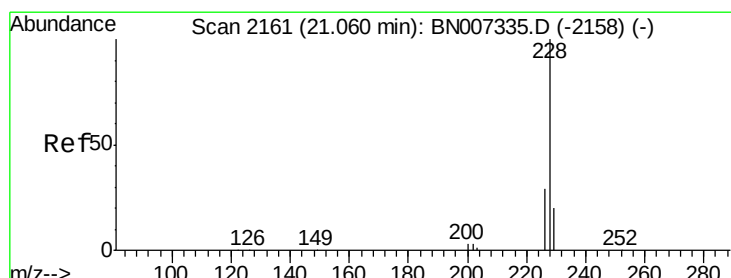
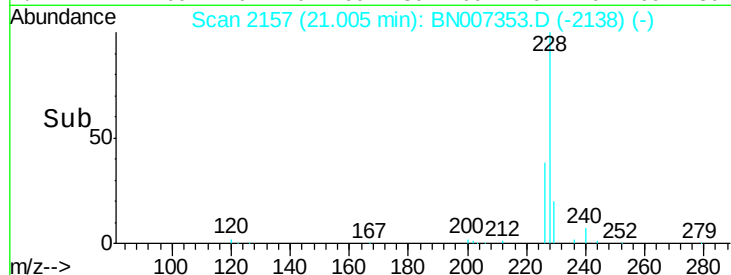
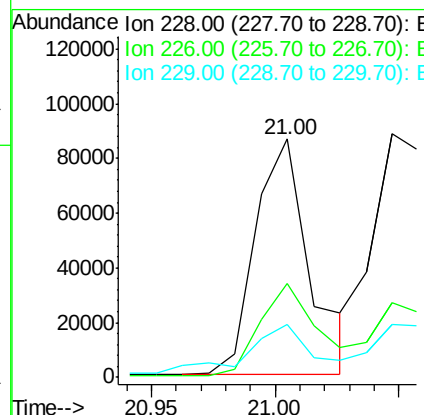
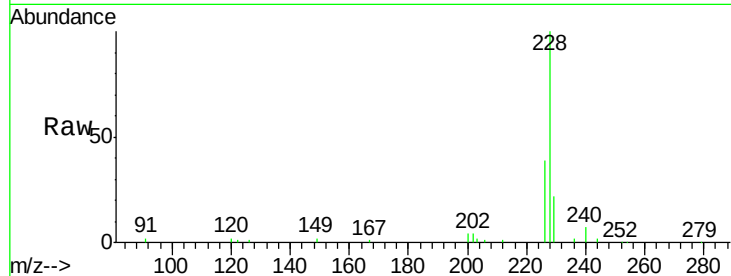
#30
Benzo(a)anthracene
Concen: 1.253 ng m
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Instrument :
BNA_N
ClientSampleId :
EXT-011-SW151-080819DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.2	21.3	31.9#
229	22.0	16.1	24.1

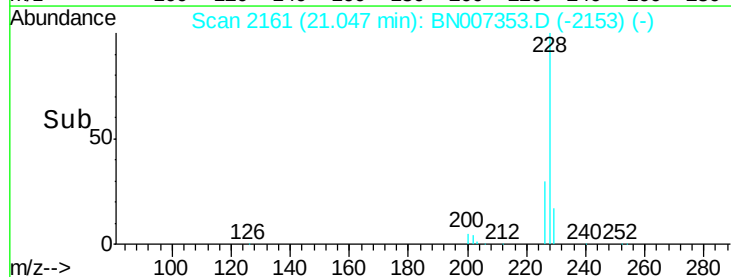
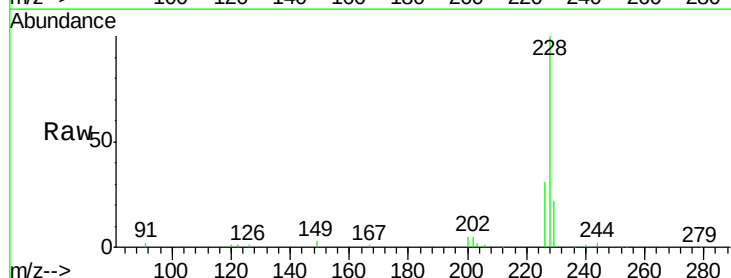
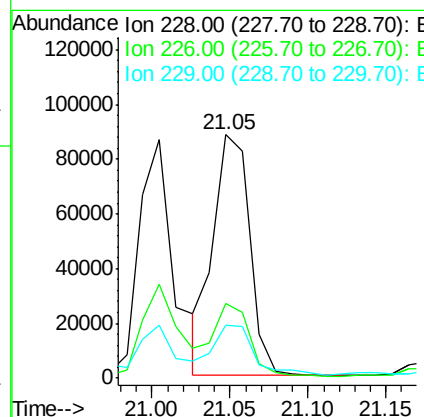
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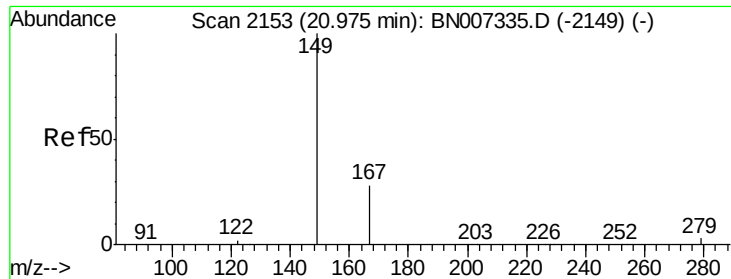
mohammad
8/29/2019 8:00:01 AM



#31
Chrysene
Concen: 1.414 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.5	35.3
229	21.8	16.6	24.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.152 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Instrument :

BNA_N

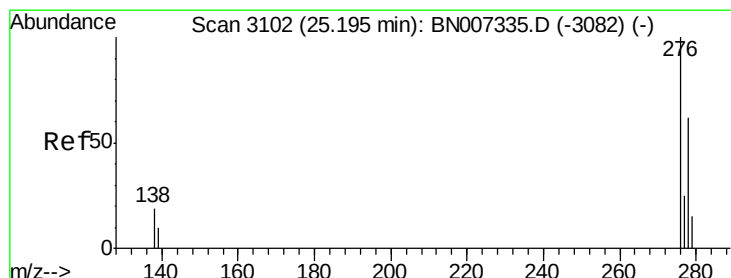
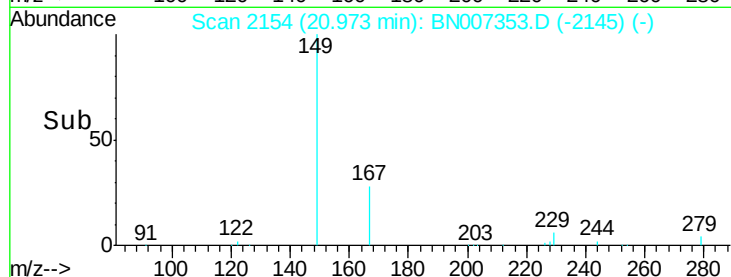
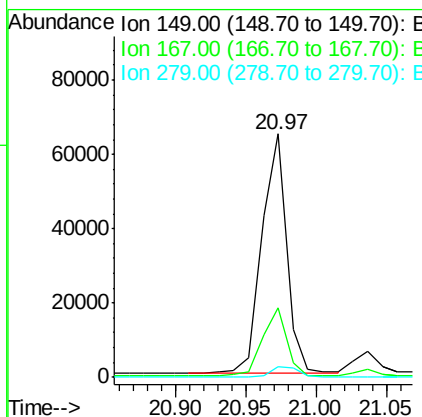
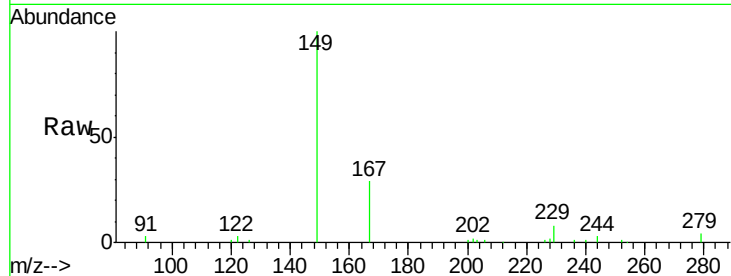
ClientSampleId :

EXT-011-SW151-080819DL

Tot Ion:	149	Resp:	79773
Ion Ratio	Lower	Upper	
149	100		
167	27.6	22.8	34.2
279	4.4	3.5	5.3

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.736 ng

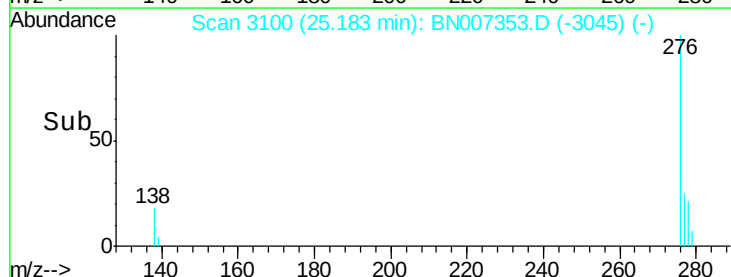
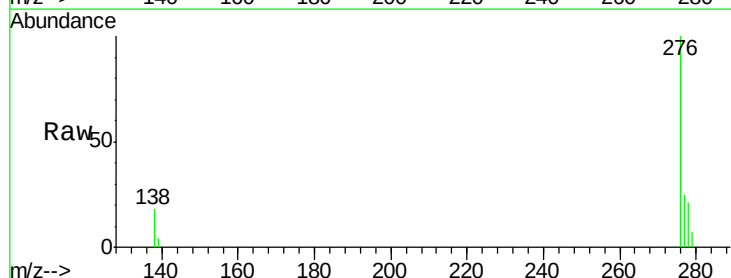
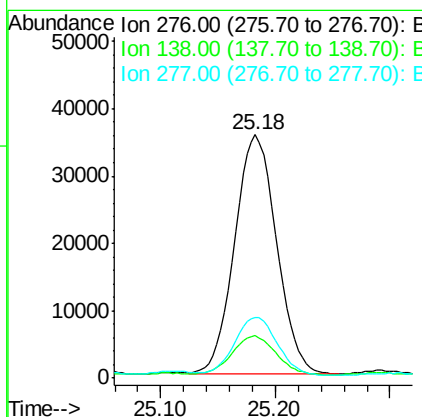
RT: 25.18 min Scan# 3100

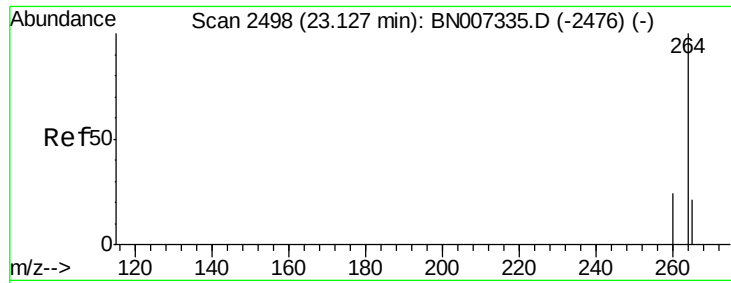
Delta R.T. -0.01 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Tgt Ion:	276	Resp:	90154
Ion Ratio	Lower	Upper	
276	100		
138	17.0	15.1	22.7
277	25.1	19.7	29.5





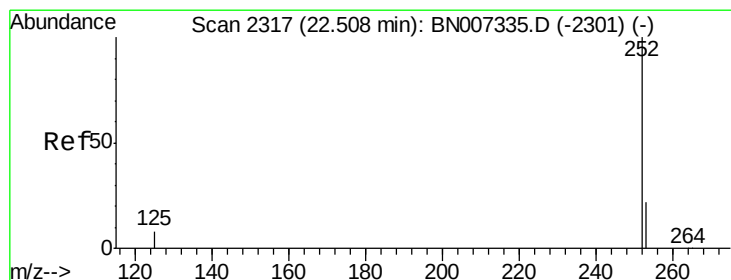
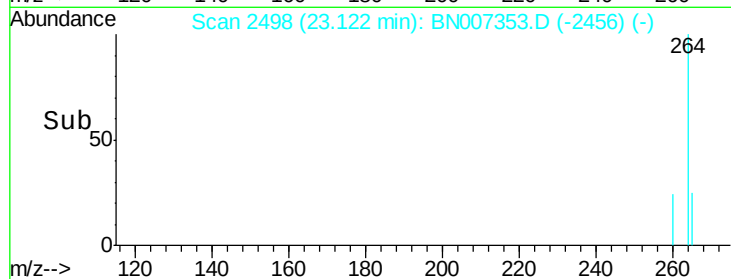
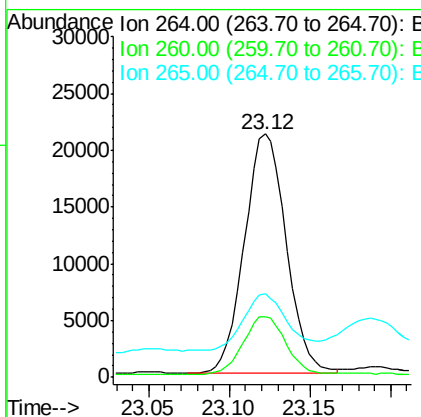
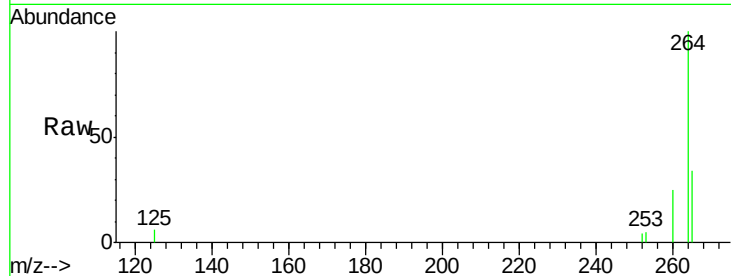
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BN007353.D
 Acq: 24 Aug 2019 07:02

Instrument :
 BNA_N
 ClientSampleId :
 EXT-011-SW151-080819DL

Tot Ion:	264	Resp:	37776
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.7	29.5
265	34.3	29.9	44.9

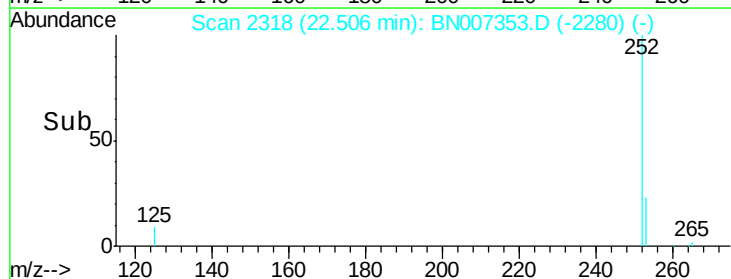
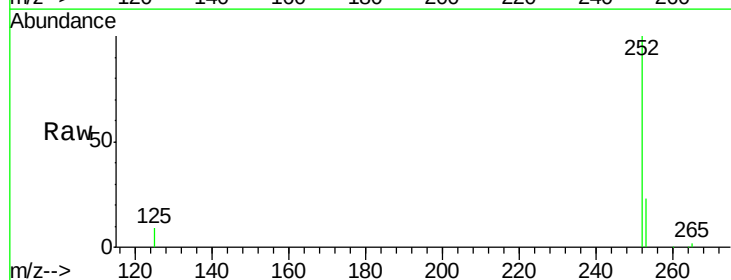
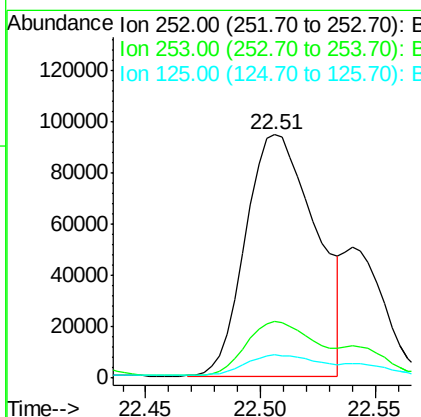
Manual Integrations
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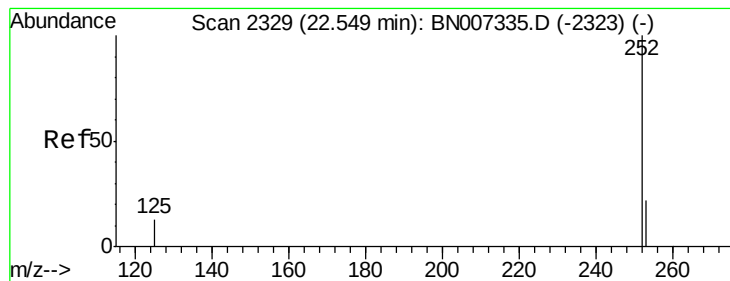
mohammad
 8/29/2019 8:00:01 AM



#35
 Benzo(b)fluoranthene
 Concen: 1.463 ng m
 RT: 22.51 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BN007353.D
 Acq: 24 Aug 2019 07:02

Tgt Ion:	252	Resp:	200271
Ion Ratio	Lower	Upper	
252	100		
253	23.1	19.2	28.8
125	9.4	10.6	16.0#





#36

Benzo(k)fluoranthene

Concen: 0.444 ng m

RT: 22.54 min Scan# 2328

Delta R.T. -0.01 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

Instrument :

BNA_N

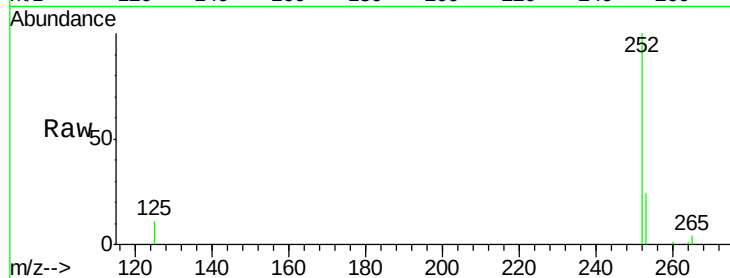
ClientSampleId :

EXT-011-SW151-080819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.4	29.2
125	10.9	13.1	19.7#

Manual Integrations
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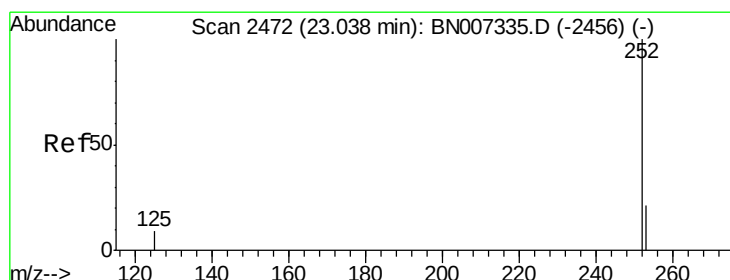
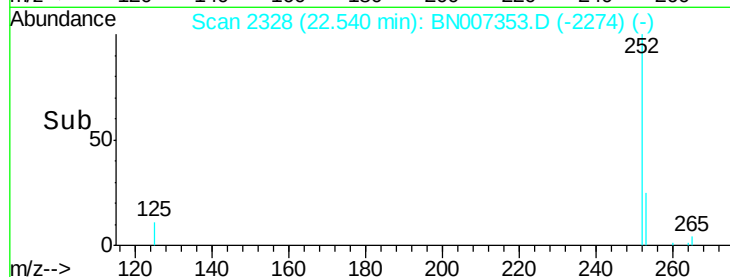
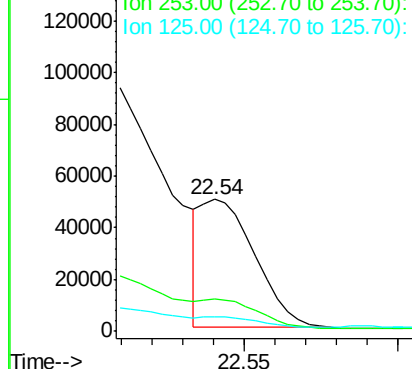


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.897 ng m

RT: 23.03 min Scan# 2471

Delta R.T. -0.01 min

Lab File: BN007353.D

Acq: 24 Aug 2019 07:02

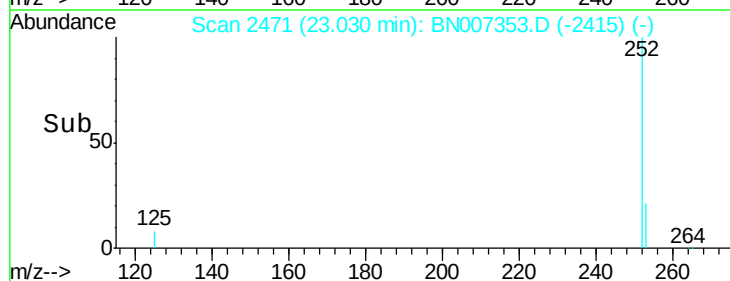
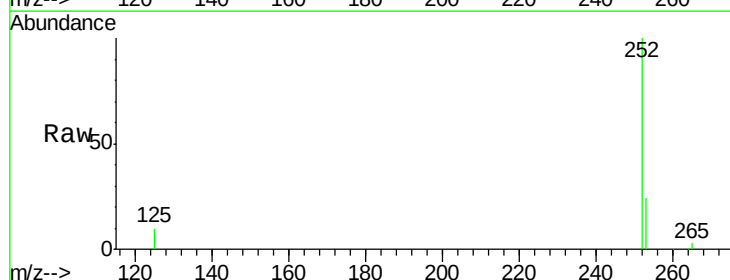
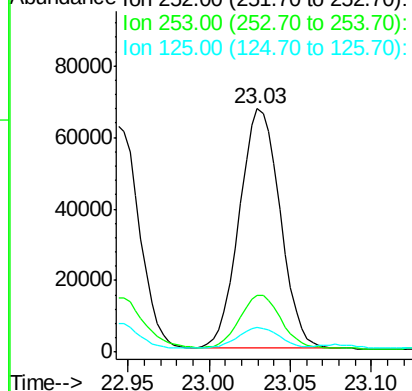
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.5	29.3
125	10.0	12.1	18.1#

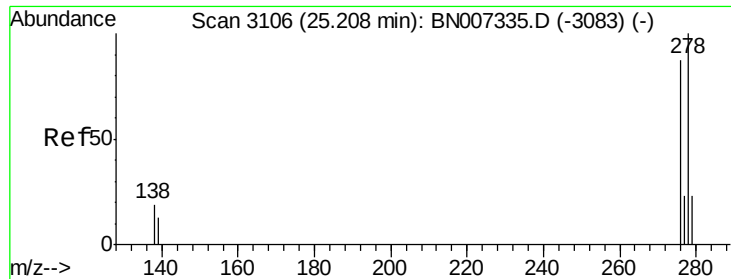
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





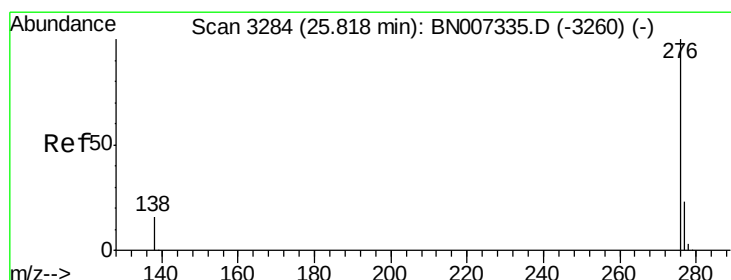
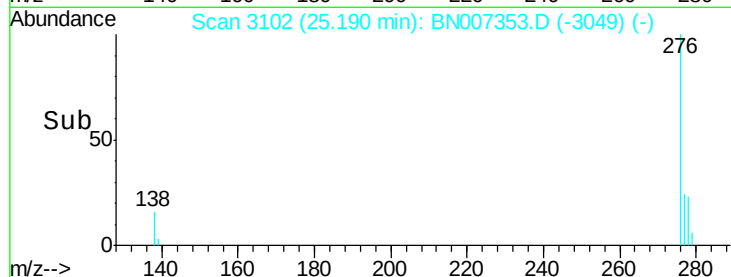
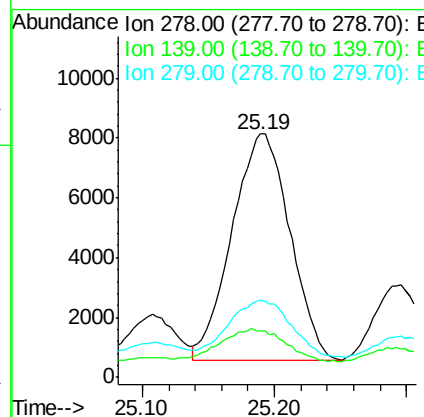
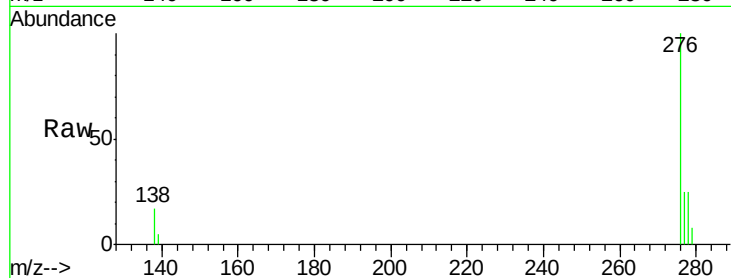
#38
Dibenzo(a,h)anthracene
Concen: 0.178 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Instrument :
BNA_N
ClientSampleId :
EXT-011-SW151-080819DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.0	13.7	20.5
279	31.6	20.2	30.4

Manual Integrations
APPROVED

mohammad
8/29/2019 8:00:01 AM



#39
Benzo(g,h,i)perylene
Concen: 0.696 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007353.D
Acq: 24 Aug 2019 07:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	17.6	16.3	24.5

