

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007355.D
 Acq On : 24 Aug 2019 08:14
 Operator : HP/JU
 Sample : K4239-17DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW092-080519DL

Manual Integrations
 APPROVED

mohammad
 8/29/2019 8:00:09 AM

Quant Time: Aug 24 23:05:04 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	5950	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	25318	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	14354	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	31296	0.40	ng	0.00
27) Chrysene-d12	21.02	240	30209	0.40	ng	0.00
34) Perylene-d12	23.13	264	34587	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	560	-0.00	ng	0.00
5) Phenol-d6	6.59	99	699	-0.00	ng	0.00
8) Nitrobenzene-d5	8.53	82	616	0.03	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	1055	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	183	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	1396	0.02	ng	0.00
25) Fluoranthene-d10	18.84	212	2501	0.02	ng	0.00
29) Terphenyl-d14	19.46	244	1988	0.03	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.20	128	3855	0.053	ng	# 94
12) 2-Methylnaphthalene	11.83	142	5040	0.102	ng	99
16) Acenaphthylene	13.76	152	19033	0.224	ng	# 96
17) Acenaphthene	14.11	154	8202	0.165	ng	95
18) Fluorene	15.10	166	14888	0.237	ng	# 85
23) Phenanthrene	16.84	178	408692	4.341	ng	99
24) Anthracene	16.93	178	52418	0.554	ng	98
26) Fluoranthene	18.87	202	392626	3.248	ng	98
28) Pyrene	19.24	202	695459	5.723	ng	97
30) Benzo(a)anthracene	21.00	228	289655	2.441	ng	96
31) Chrysene	21.06	228	299760	2.618	ng	99
33) Indeno(1,2,3-cd)pyrene	25.19	276	98929	0.717	ng	97
35) Benzo(b)fluoranthene	22.51	252	215629m	1.721	ng	
36) Benzo(k)fluoranthene	22.55	252	67824m	0.548	ng	
37) Benzo(a)pyrene	23.03	252	188738m	1.583	ng	
38) Dibenzo(a,h)anthracene	25.19	278	34026	0.286	ng	# 92
39) Benzo(a,h,i)perylene	25.81	276	121457	1.024	ng	97

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

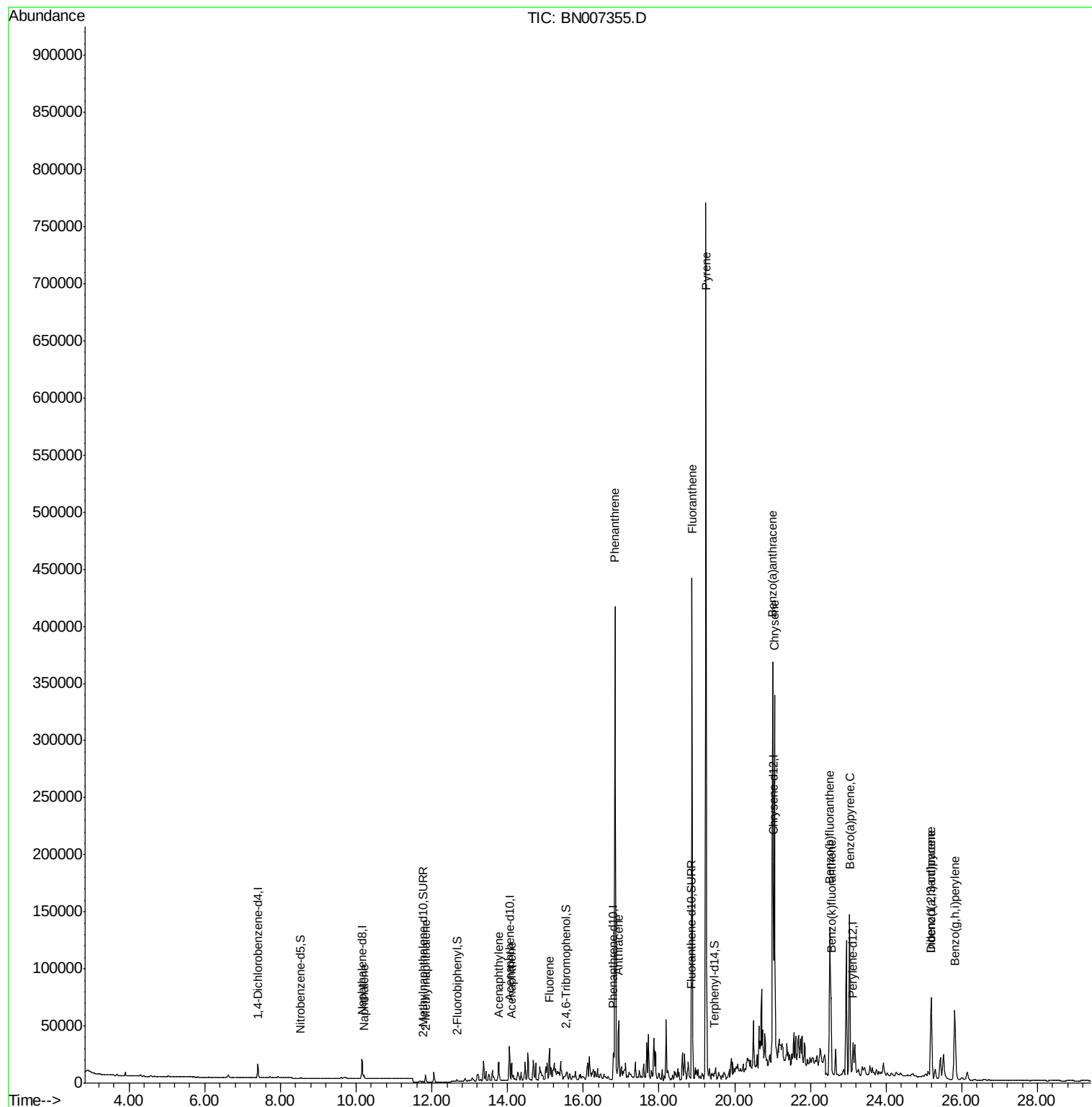
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
Data File : BN007355.D
Acq On : 24 Aug 2019 08:14
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Misc :
ALS Vial : 23 Sample Multiplier: 1

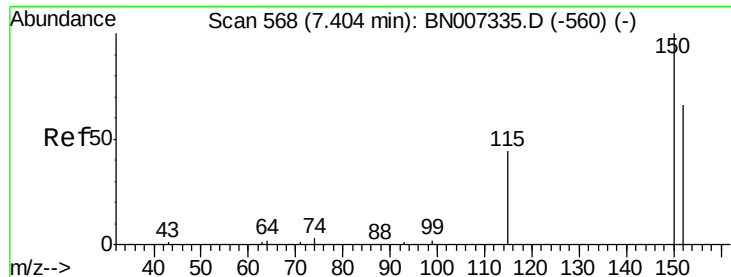
Instrument :
BNA_N
ClientSampleId :
EXT-034-SW092-080519DL

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

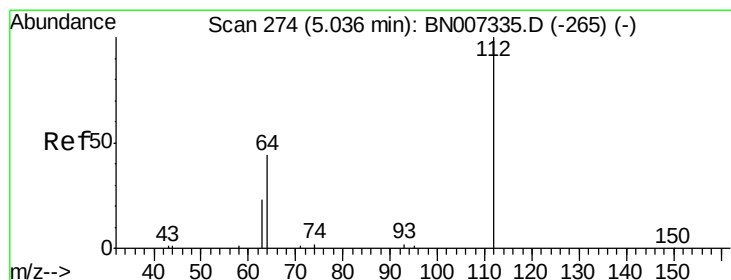
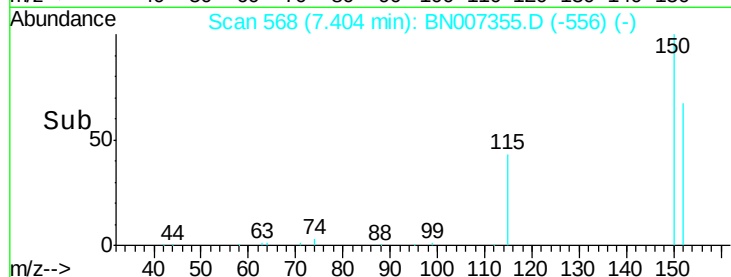
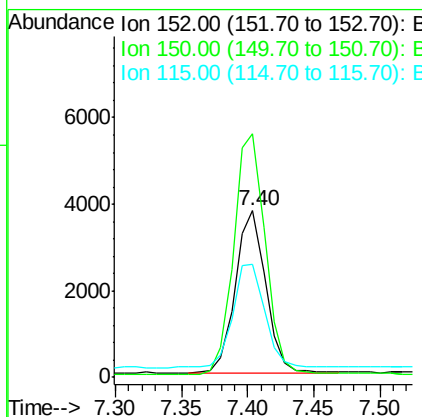
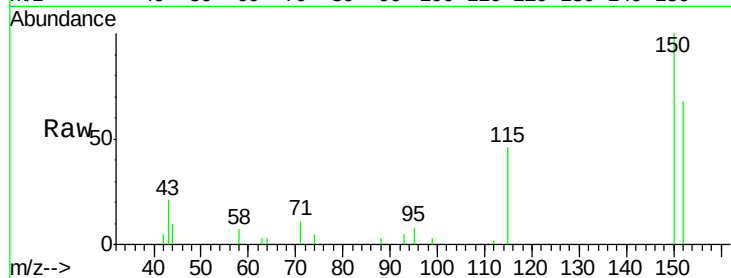
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW092-080519DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.2	109.1	163.7
115	68.0	59.6	89.4

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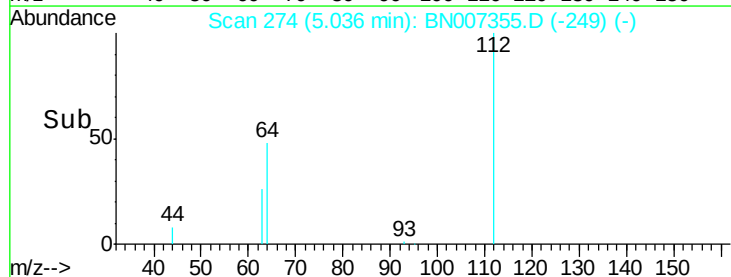
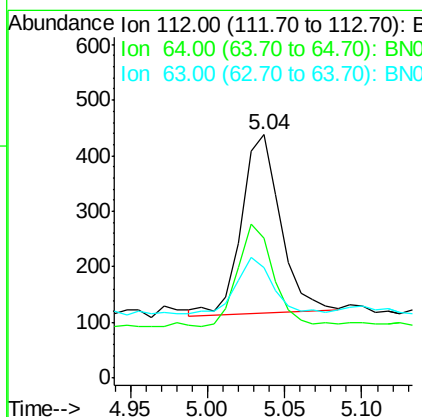
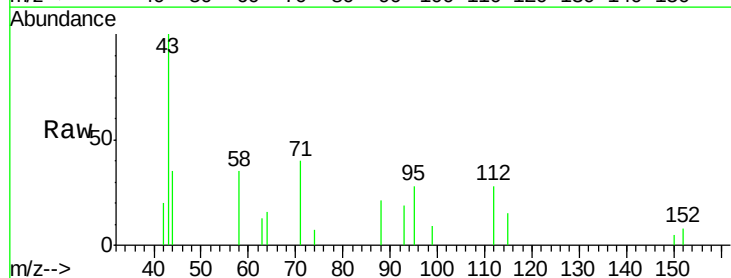
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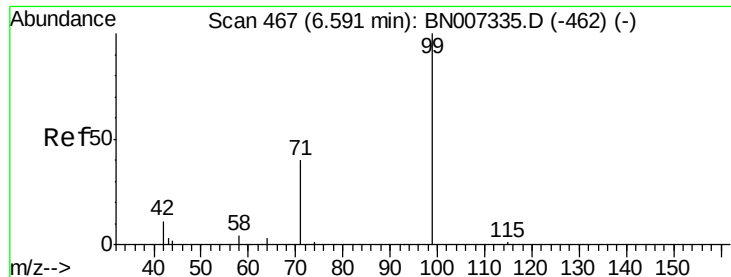


#4

2-Fluorophenol
Concen: -0.001 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	42.3	63.5
63	30.9	23.6	35.4





#5

Phenol-d6

Concen: -0.004 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

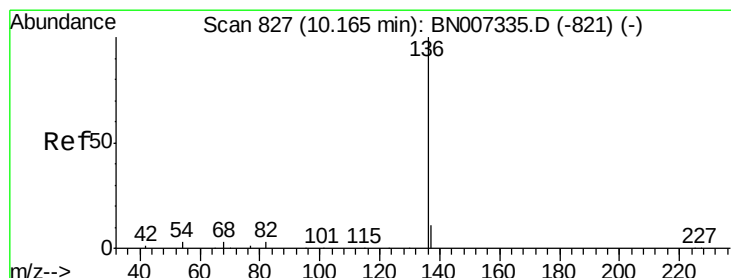
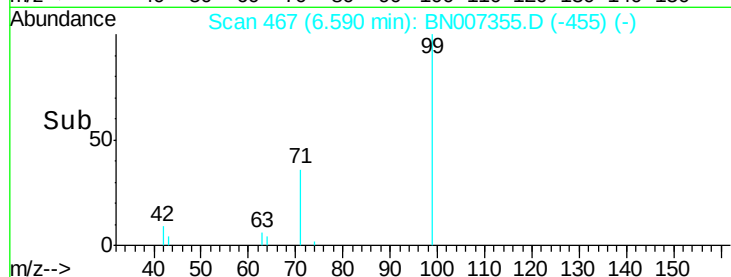
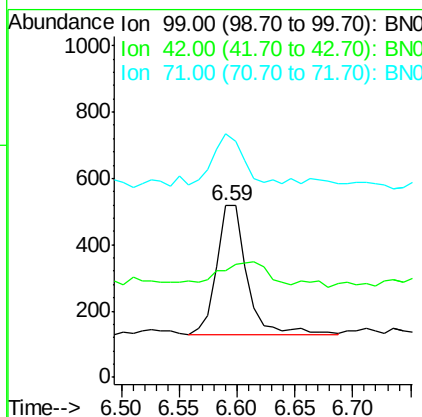
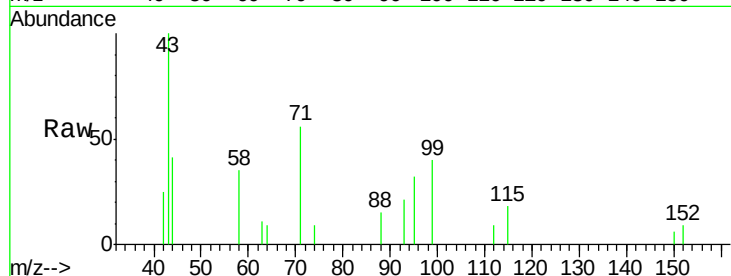
ClientSampled :

EXT-034-SW092-080519DL

Tot Ion:	99	Resp:	699
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	45.1	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

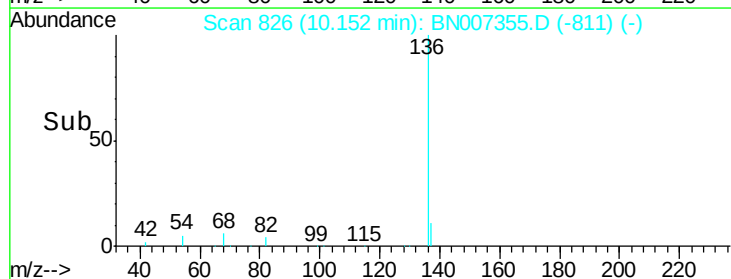
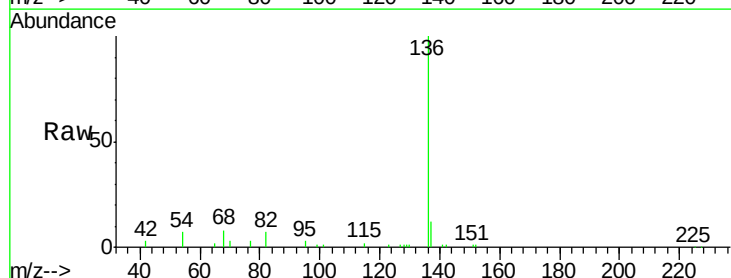
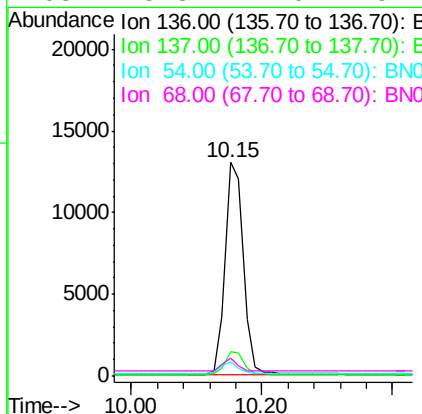
RT: 10.15 min Scan# 826

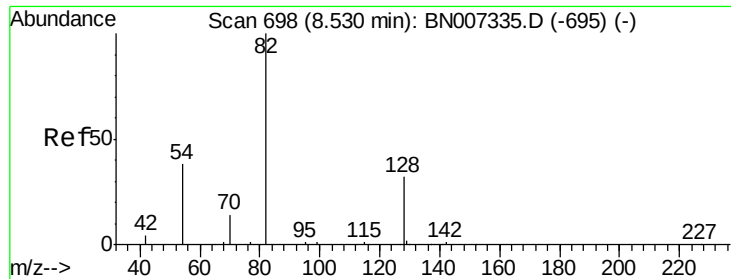
Delta R.T. -0.01 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Tgt Ion:	136	Resp:	25318
Ion	Ratio	Lower	Upper
136	100		
137	11.5	12.9	19.3#
54	6.5	8.6	12.8#
68	8.3	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.028 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

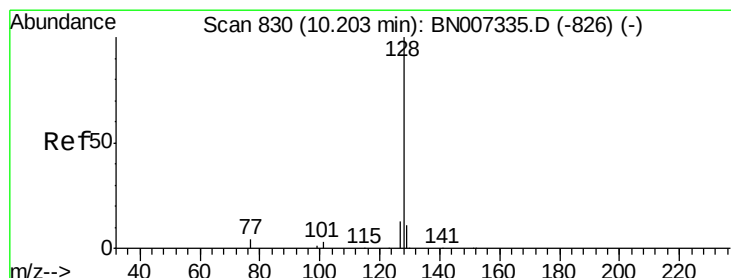
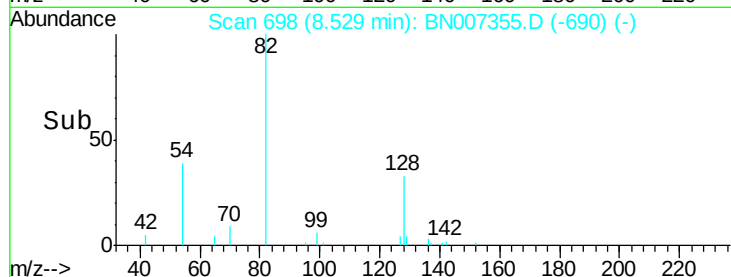
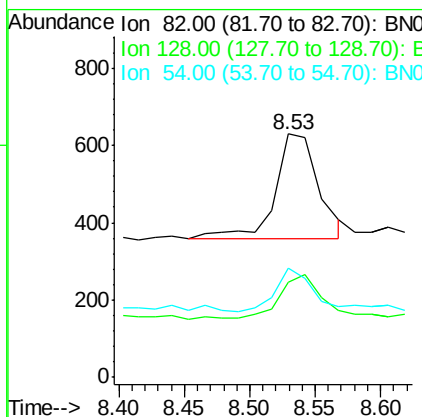
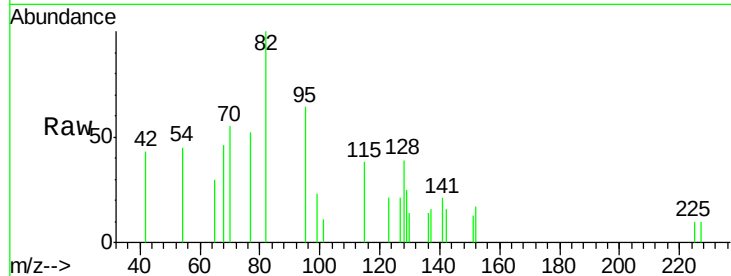
ClientSampleId :

EXT-034-SW092-080519DL

Tot Ion:	82	Resp:	616
Ion	Ratio	Lower	Upper
82	100		
128	38.9	19.7	29.5#
54	44.6	25.8	38.6#

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#9

Naphthalene

Concen: 0.053 ng

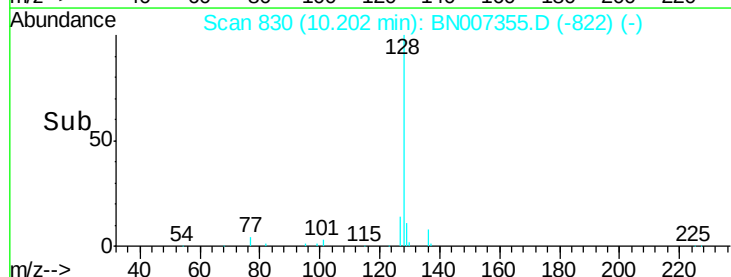
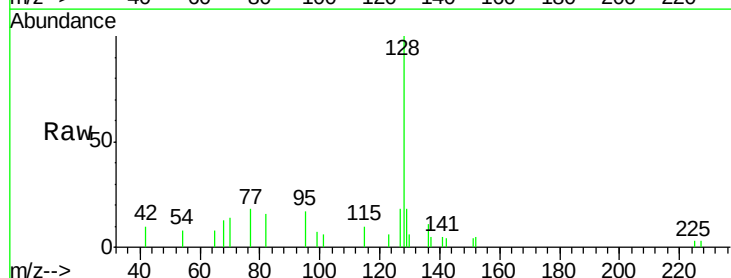
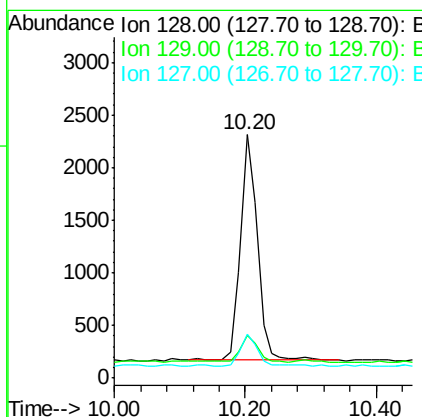
RT: 10.20 min Scan# 830

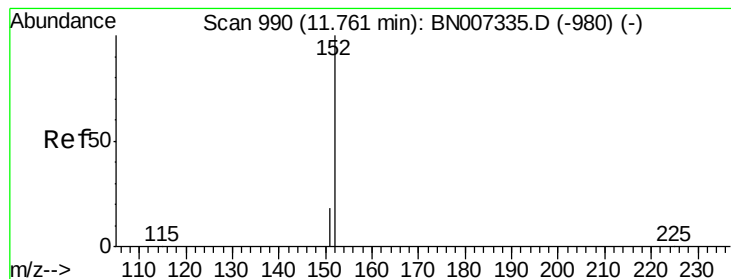
Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Tgt Ion:	128	Resp:	3855
Ion	Ratio	Lower	Upper
128	100		
129	17.7	11.1	16.7#
127	18.0	15.5	23.3





#11

2-Methylnaphthalene-d10

Concen: 0.025 ng

RT: 11.76 min Scan# 990

Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

ClientSampleId :

EXT-034-SW092-080519DL

Tot Ion:152 Resp: 1055

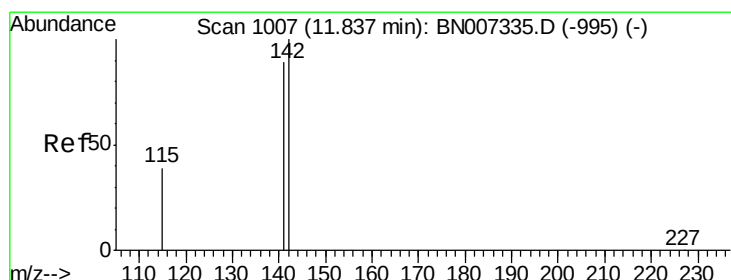
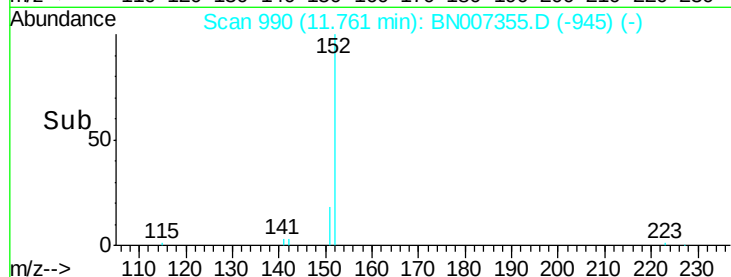
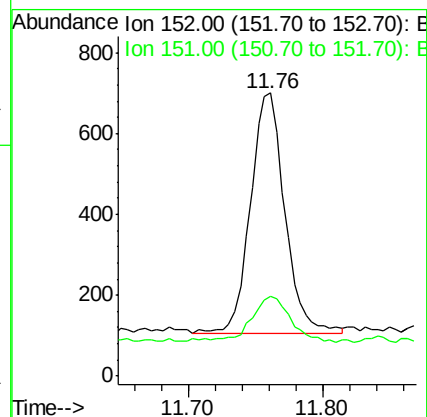
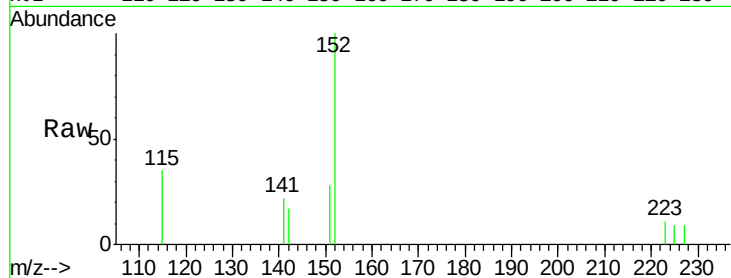
Ion Ratio Lower Upper

152 100

151 23.1 16.2 24.2

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#12

2-Methylnaphthalene

Concen: 0.102 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

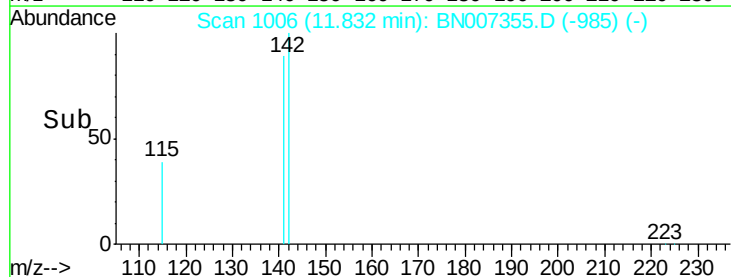
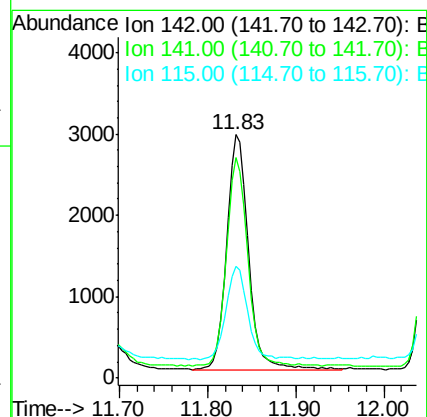
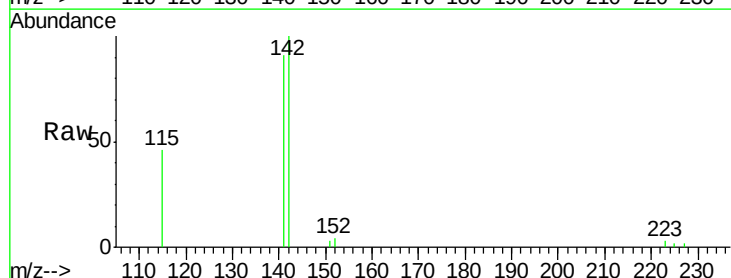
Tgt Ion:142 Resp: 5040

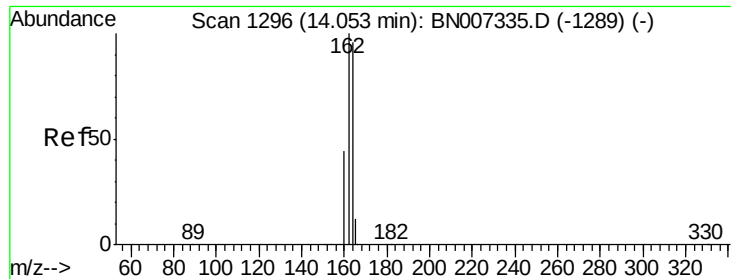
Ion Ratio Lower Upper

142 100

141 90.7 72.8 109.2

115 46.0 35.2 52.8





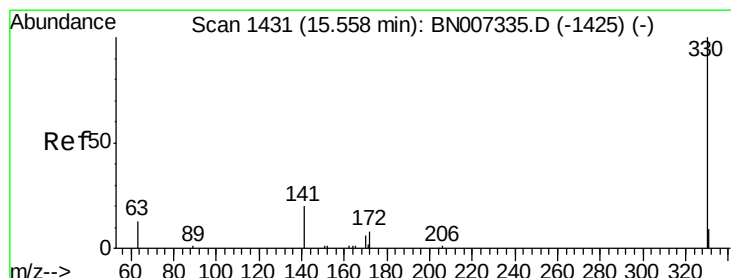
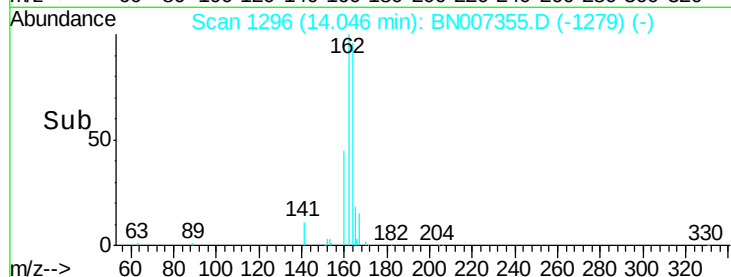
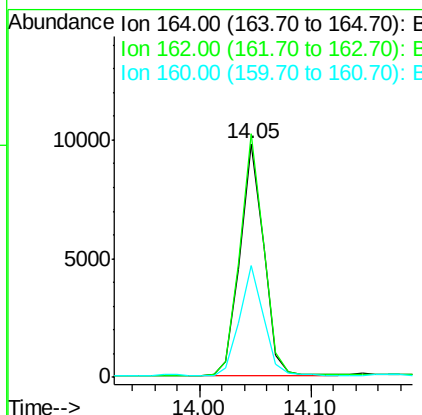
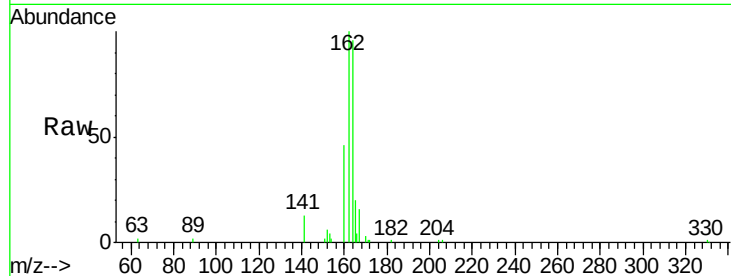
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.05 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: BN007355.D
 Acq: 24 Aug 2019 08:14

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW092-080519DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.5	125.3
160	47.7	38.2	57.4

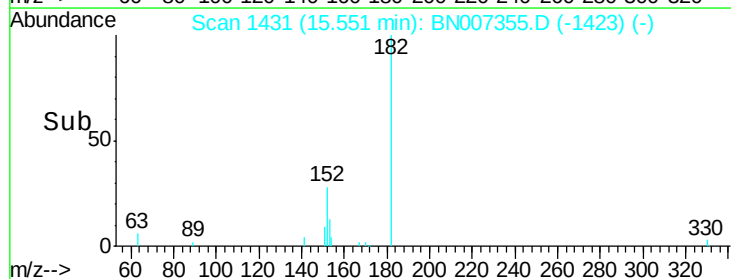
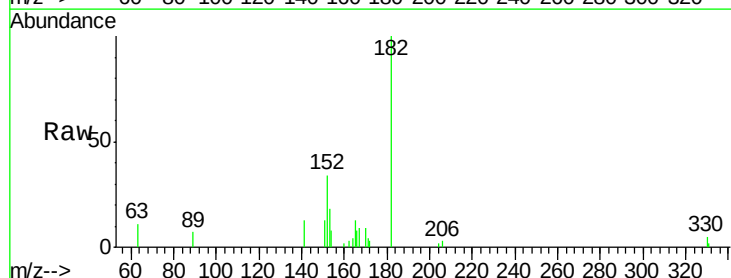
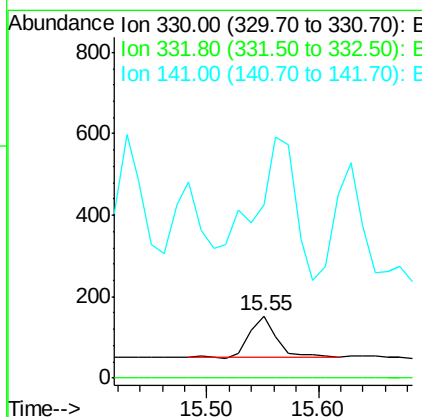
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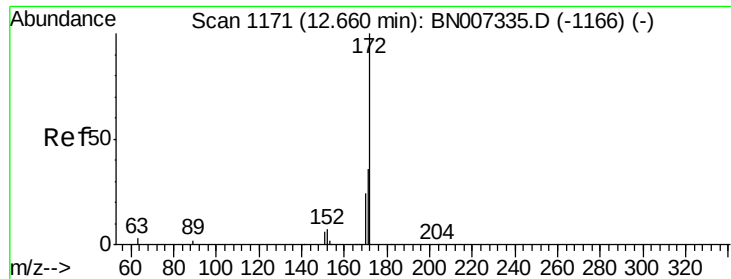
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#14
 2,4,6-Tribromophenol
 Concen: 0.024 ng
 RT: 15.55 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BN007355.D
 Acq: 24 Aug 2019 08:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	500.0	26.9	40.3#





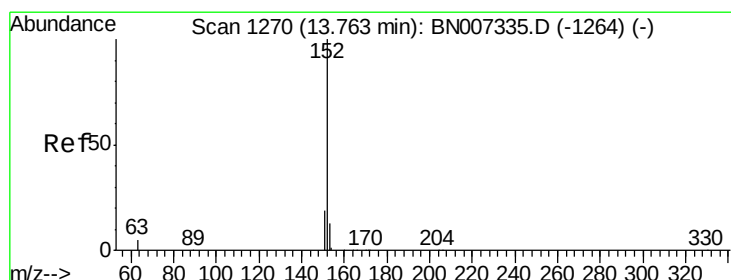
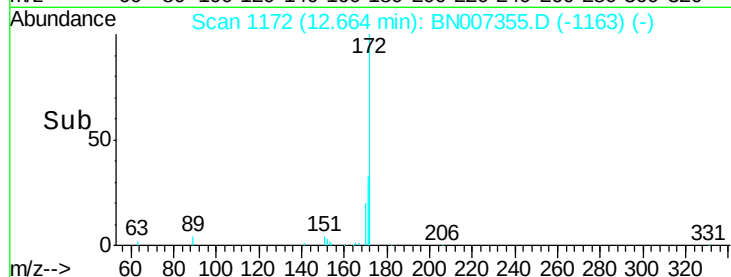
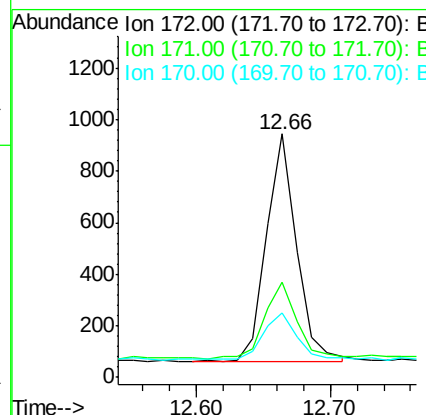
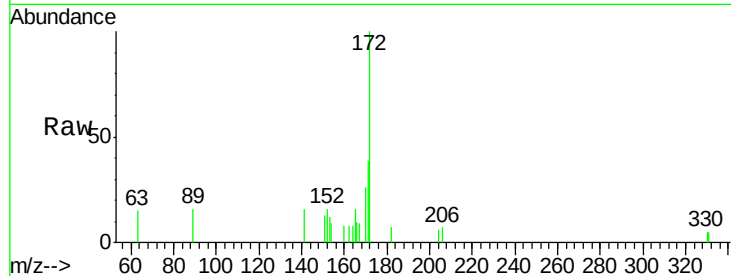
#15
2-Fluorobiphenyl
Concen: 0.024 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW092-080519DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.0	30.3	45.5
170	26.4	20.7	31.1

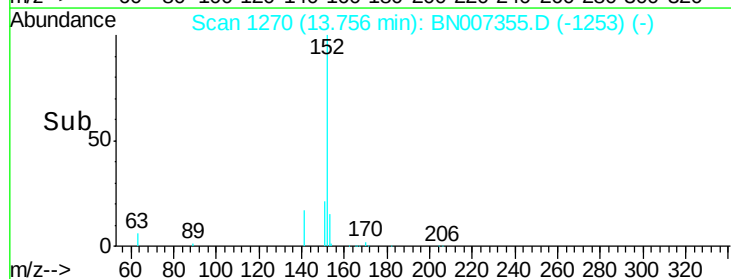
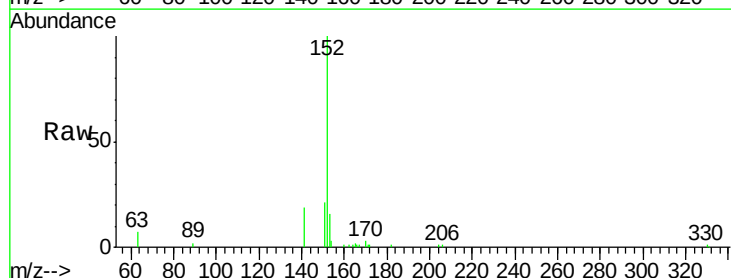
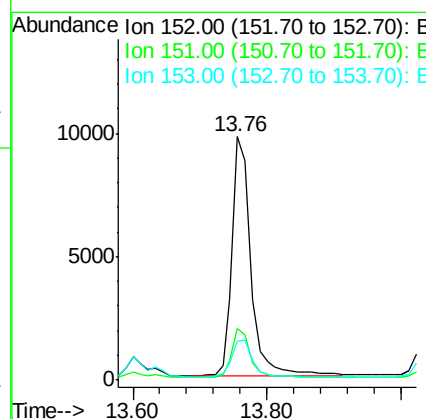
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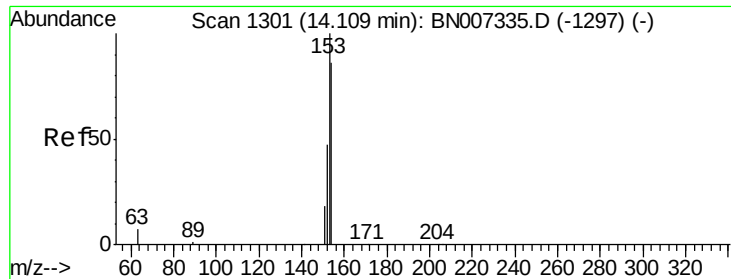
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#16
Acenaphthylene
Concen: 0.224 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	17.1	10.6	15.8#





#17

Acenaphthene

Concen: 0.165 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

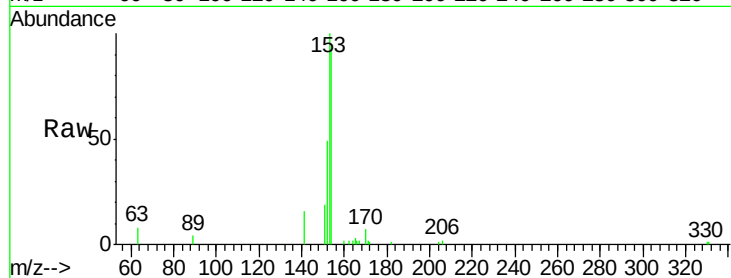
ClientSampleId :

EXT-034-SW092-080519DL

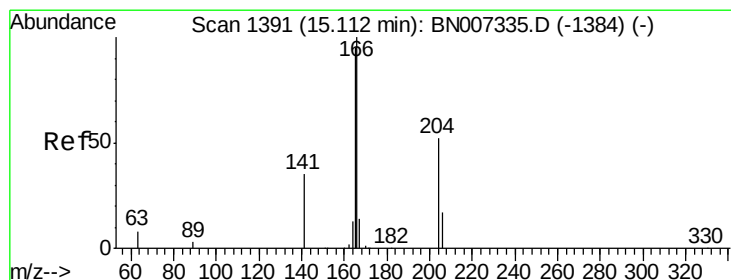
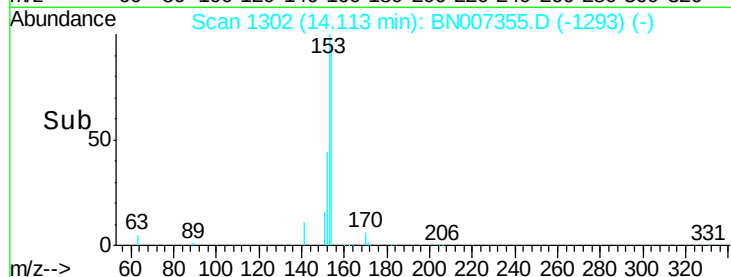
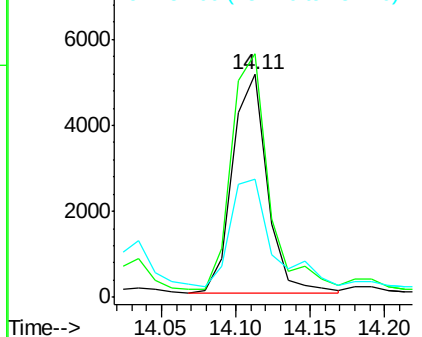
Tot Ion:	154	Resp:	8202
Ion Ratio	Lower	Upper	
154	100		
153	116.6	92.8	139.2
152	64.5	43.8	65.8

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: 0.237 ng

RT: 15.10 min Scan# 1391

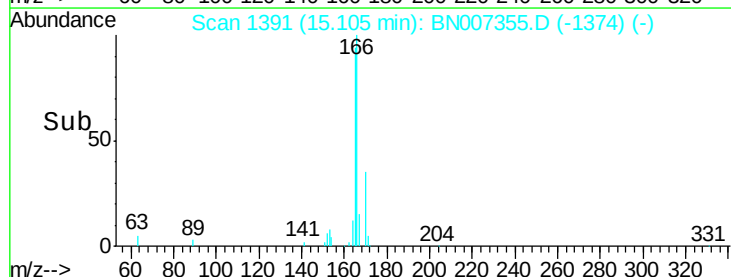
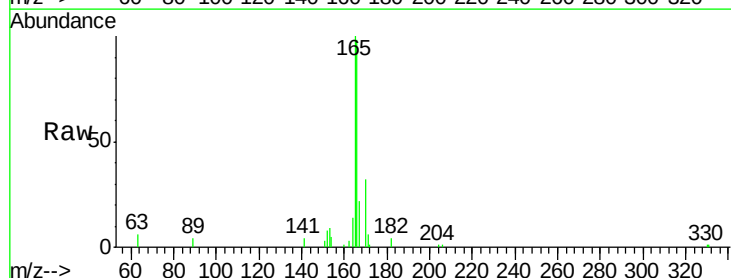
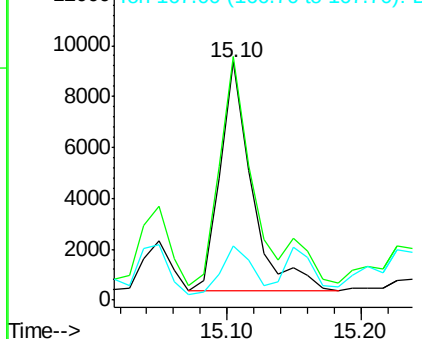
Delta R.T. -0.01 min

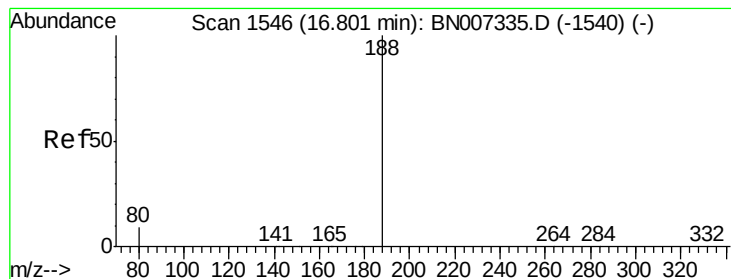
Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Tgt Ion:	166	Resp:	14888
Ion Ratio	Lower	Upper	
166	100		
165	112.7	79.0	118.4
167	20.3	10.6	15.8#

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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

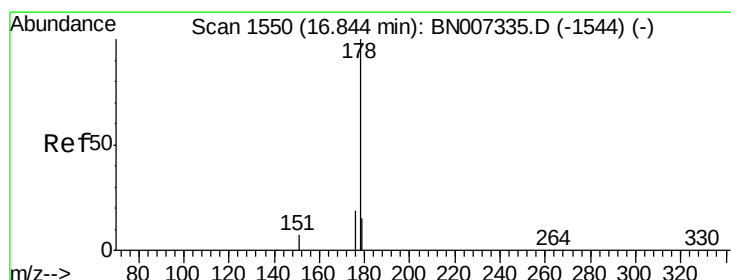
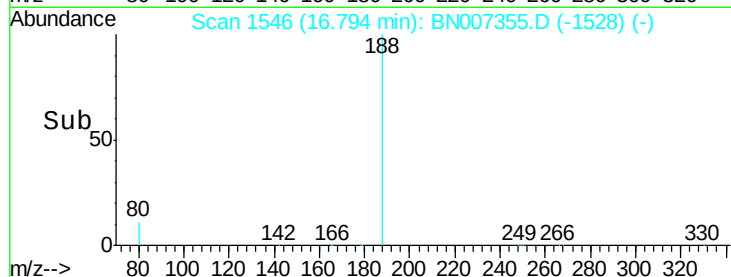
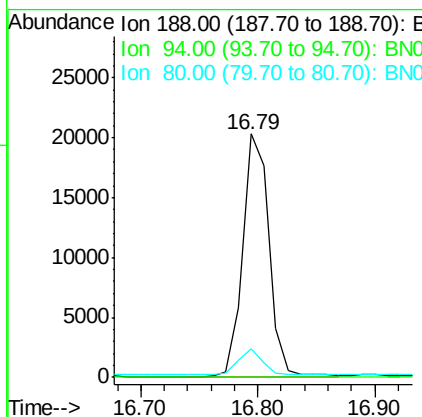
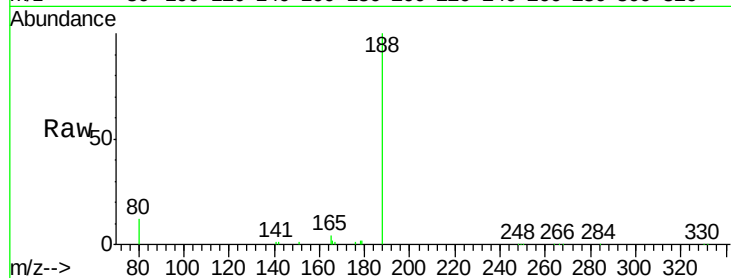
ClientSampleId :

EXT-034-SW092-080519DL

Tot Ion:	188	Resp:	31296
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.8	11.8	17.8#

Manual Integrations
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#23

Phenanthrene

Concen: 4.341 ng

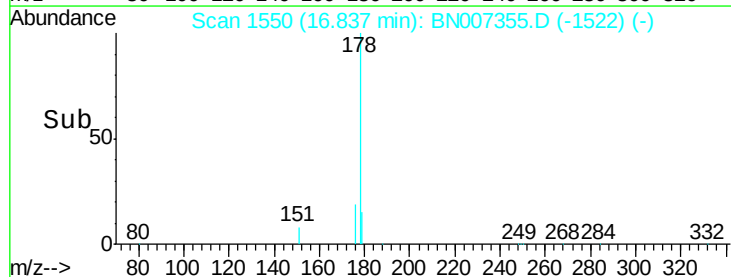
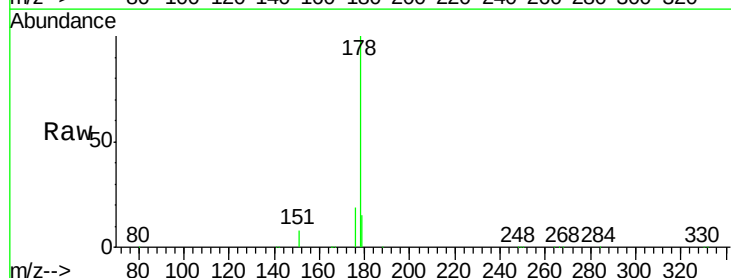
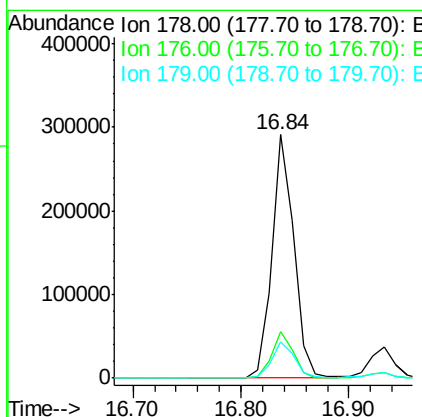
RT: 16.84 min Scan# 1550

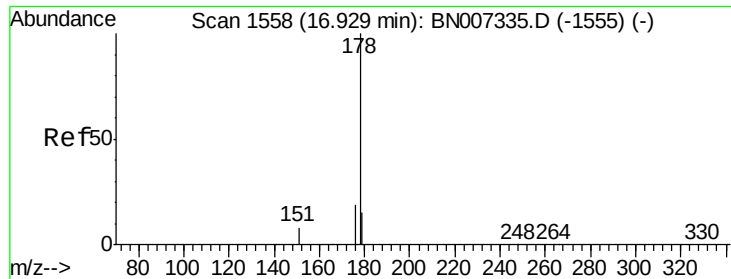
Delta R.T. -0.01 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Tgt Ion:	178	Resp:	408692
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.3	22.9
179	15.5	12.6	19.0





#24

Anthracene

Concen: 0.554 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

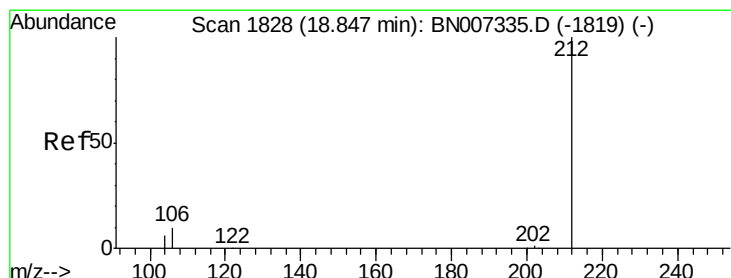
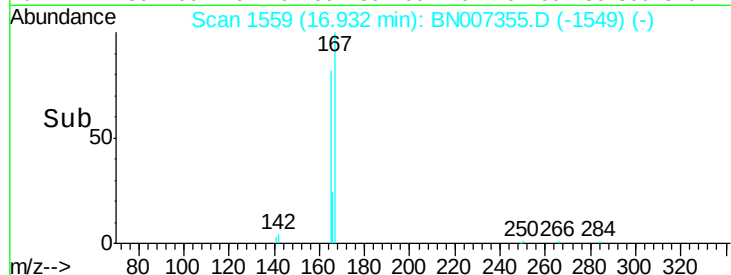
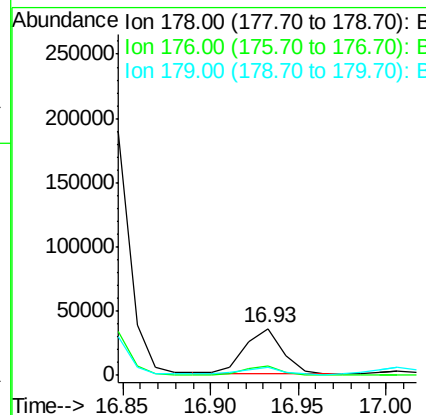
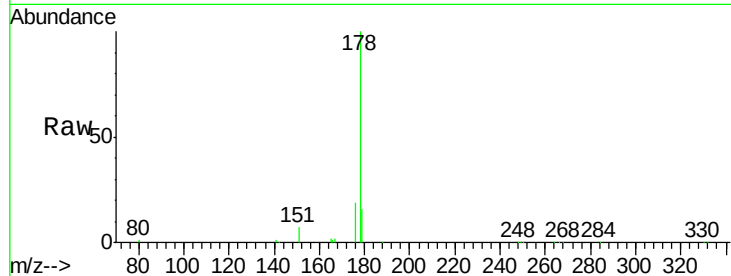
ClientSampleId :

EXT-034-SW092-080519DL

Tot Ion:	178	Resp:	52418
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	17.3	12.4	18.6

Manual Integrations
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mohammad
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#25

Fluoranthene-d10

Concen: 0.025 ng

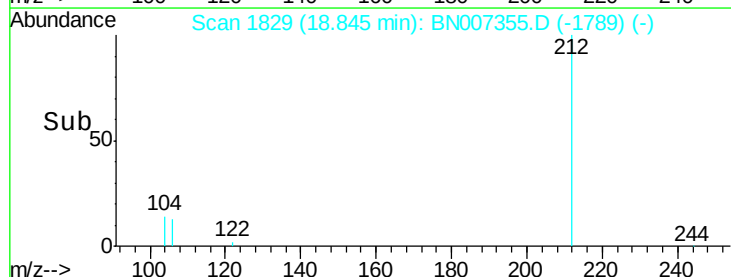
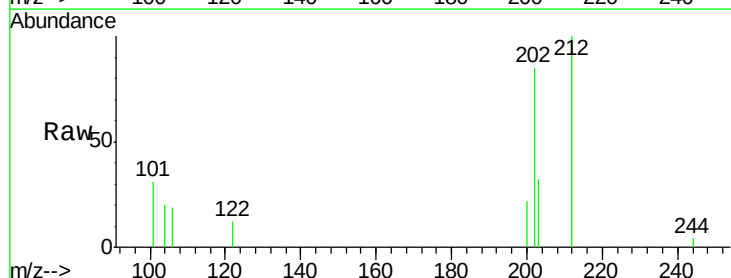
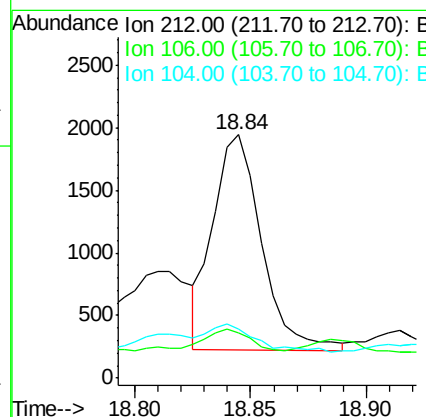
RT: 18.84 min Scan# 1829

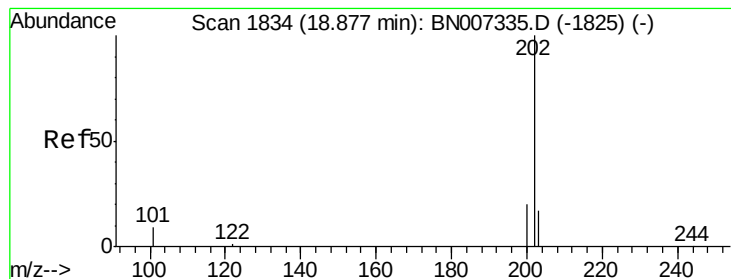
Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Tgt Ion:	212	Resp:	2501
Ion Ratio	Lower	Upper	
212	100		
106	10.2	9.0	13.4
104	13.0	5.4	8.2#





#26

Fluoranthene

Concen: 3.248 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

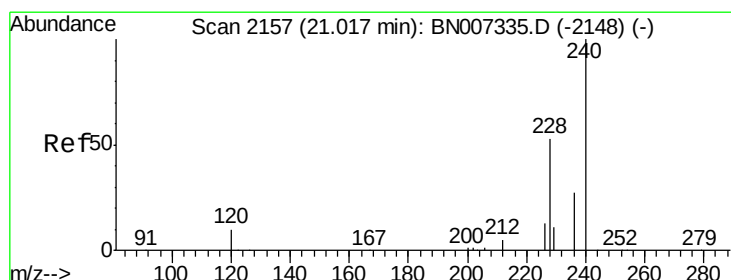
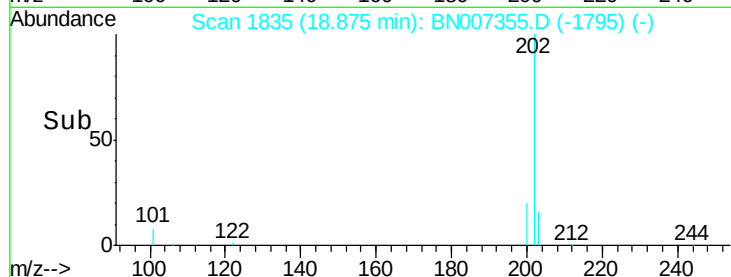
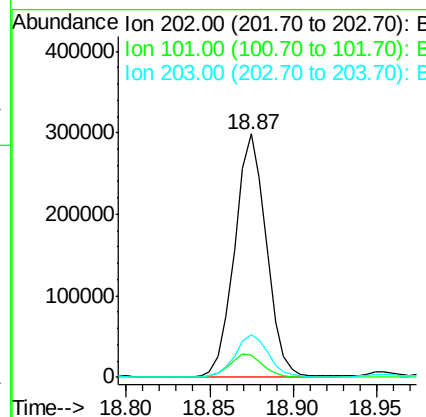
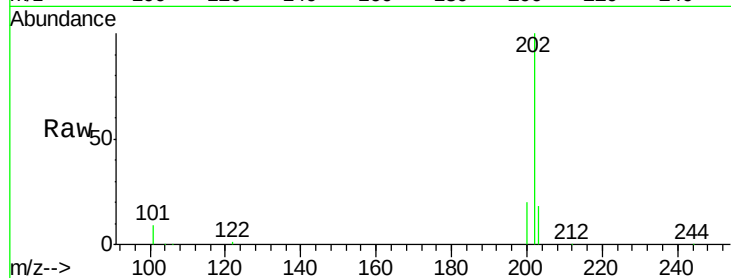
ClientSampleId :

EXT-034-SW092-080519DL

Tot Ion:	202	Resp:	392626
Ion Ratio	Lower	Upper	
202	100		
101	9.6	7.7	11.5
203	18.1	13.7	20.5

Manual Integrations
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mohammad
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#27

Chrysene-d12

Concen: 0.400 ng

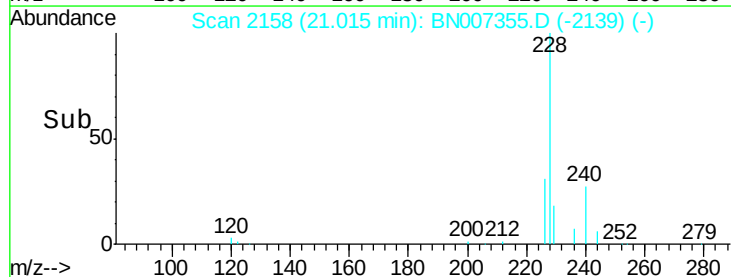
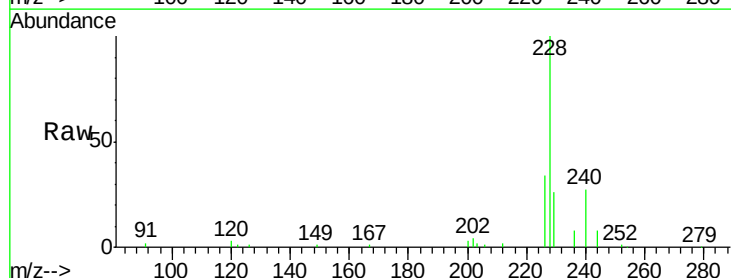
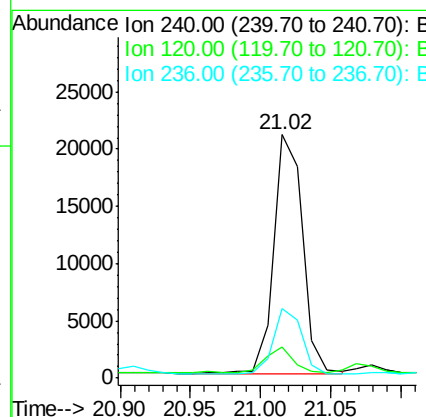
RT: 21.02 min Scan# 2158

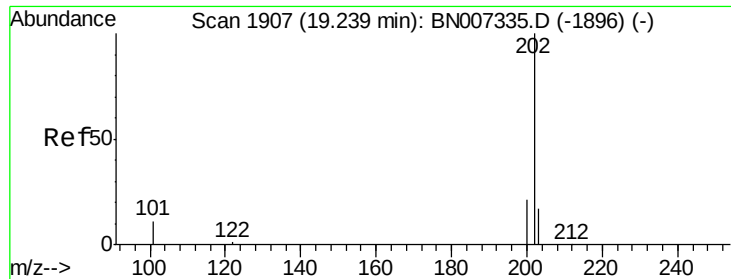
Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Tgt Ion:	240	Resp:	30209
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.6	14.4
236	28.5	22.2	33.2





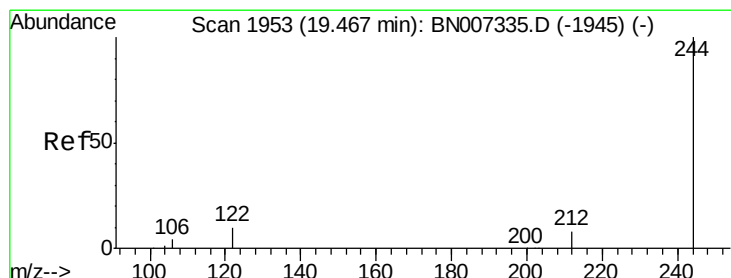
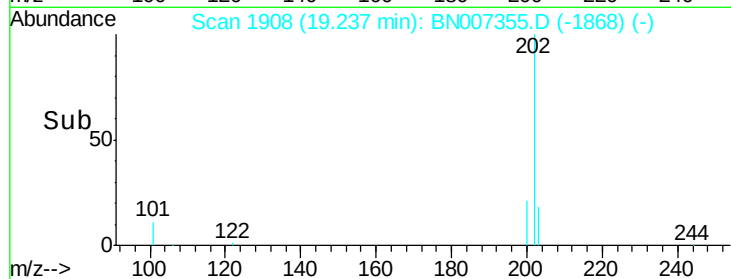
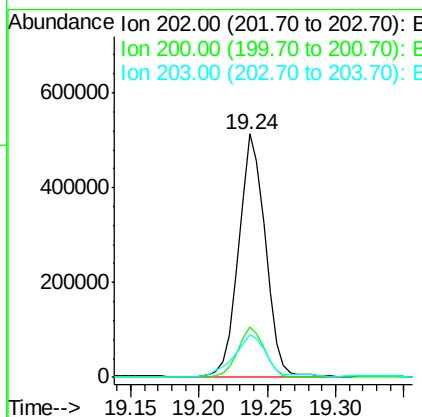
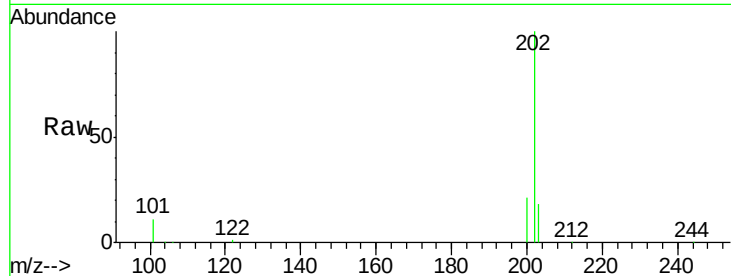
#28
Pvrene
Concen: 5.723 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW092-080519DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	20.6	14.2	21.4

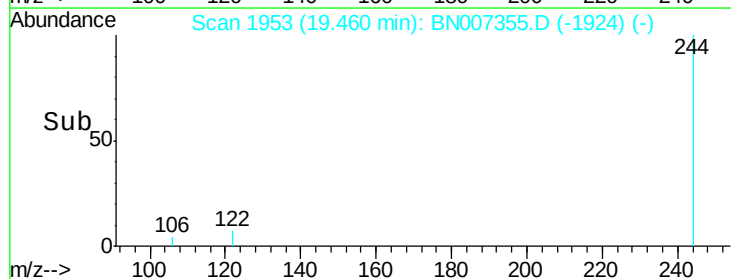
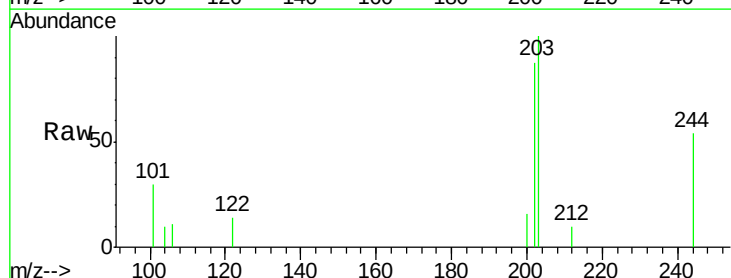
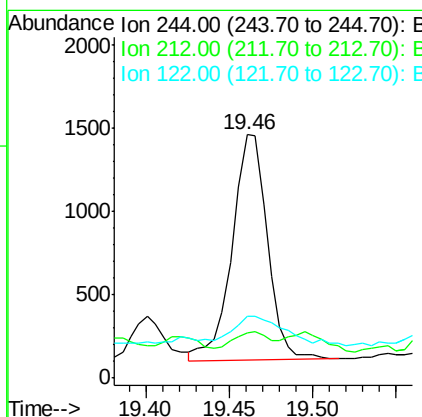
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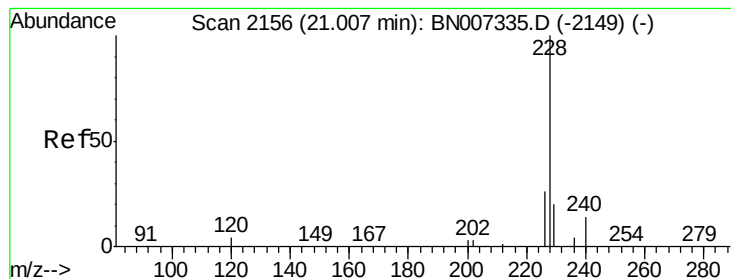
mohammad
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#29
Terphenyl-d14
Concen: 0.025 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	18.5	7.0	10.6#
122	25.3	9.6	14.4#





#30

Benzo(a)anthracene

Concen: 2.441 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

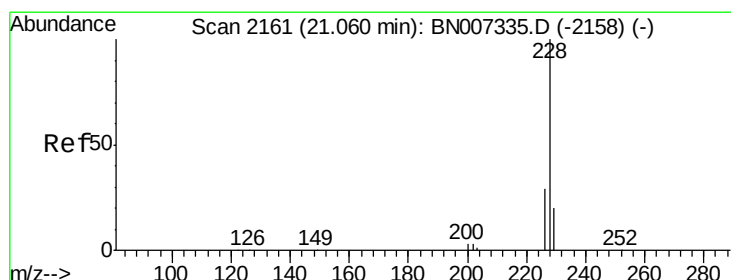
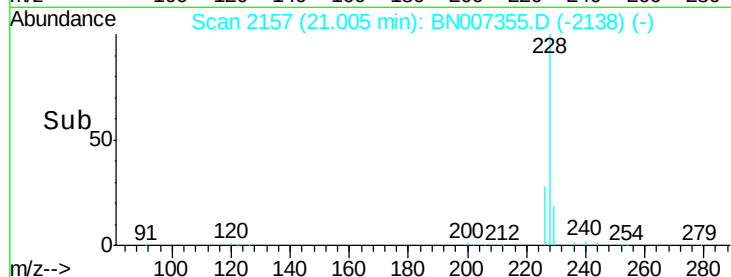
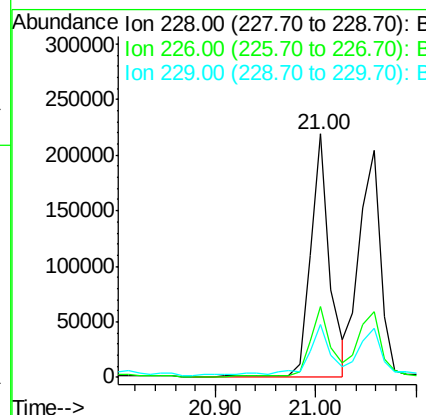
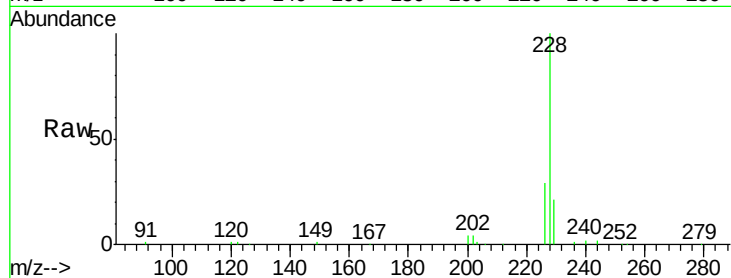
ClientSampleId :

EXT-034-SW092-080519DL

Tot Ion:	228	Resp:	289655
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.3	31.9
229	21.5	16.1	24.1

Manual Integrations
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#31

Chrysene

Concen: 2.618 ng

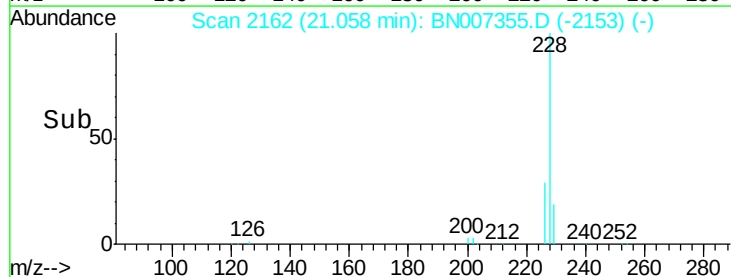
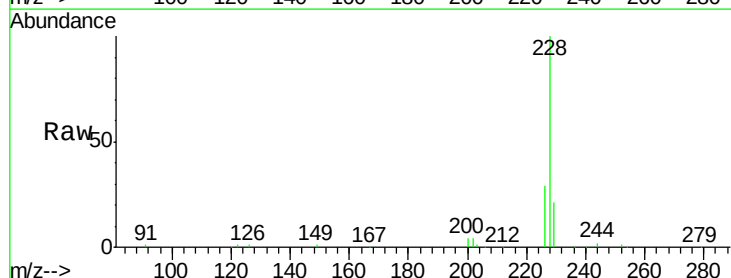
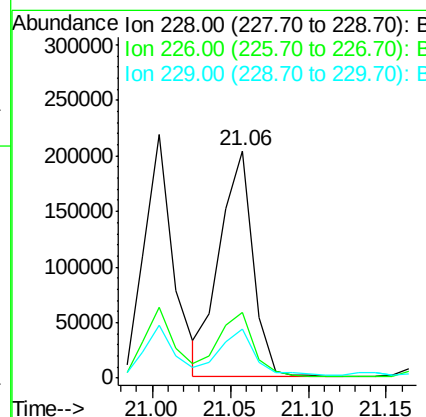
RT: 21.06 min Scan# 2162

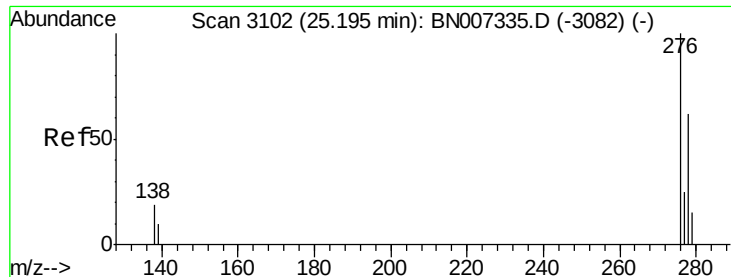
Delta R.T. -0.00 min

Lab File: BN007355.D

Acq: 24 Aug 2019 08:14

Tgt Ion:	228	Resp:	299760
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.5	35.3
229	21.5	16.6	24.8





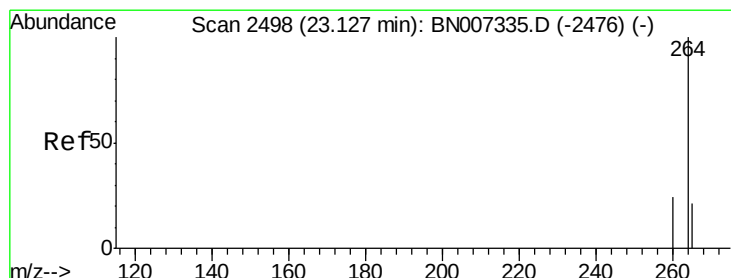
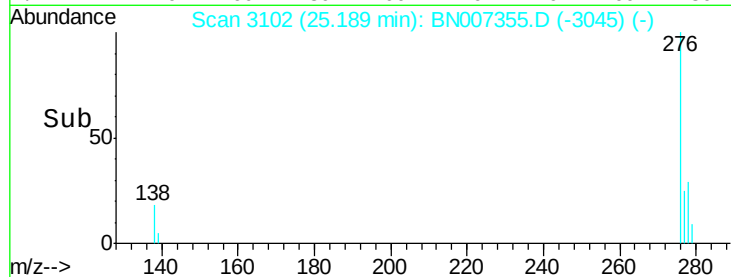
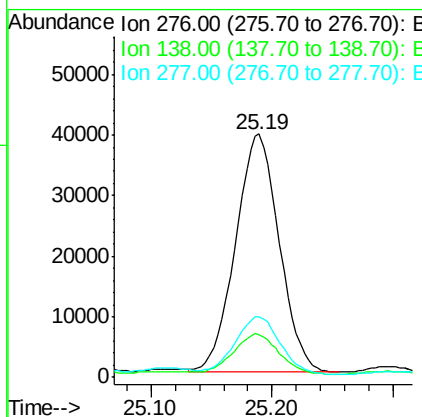
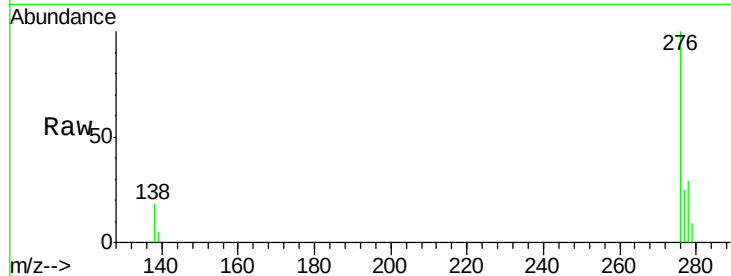
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.717 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW092-080519DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.5	15.1	22.7
277	25.8	19.7	29.5

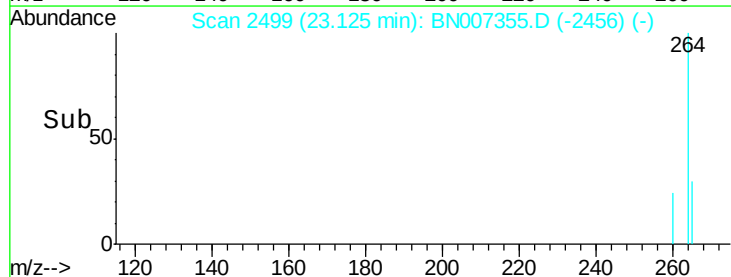
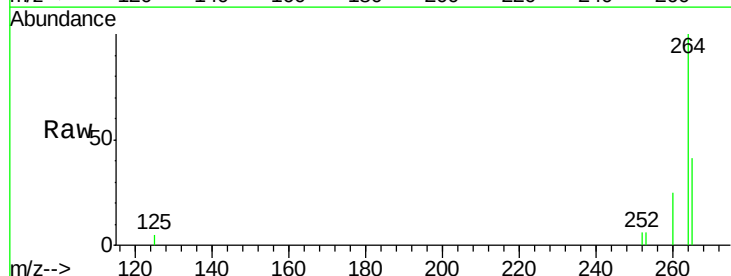
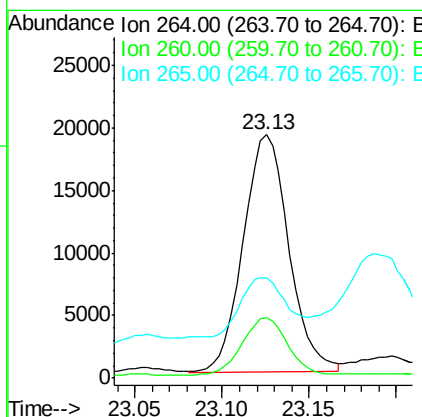
Manual Integrations
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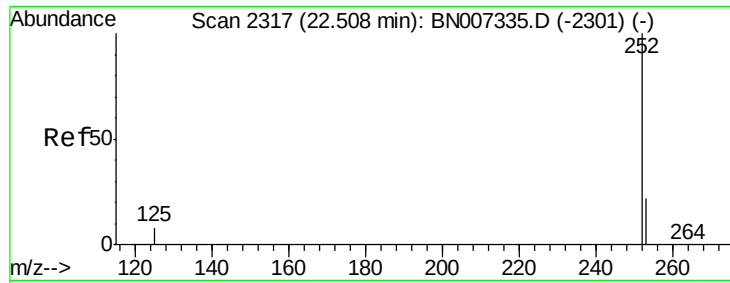
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2499
Delta R.T. -0.00 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	41.3	29.9	44.9





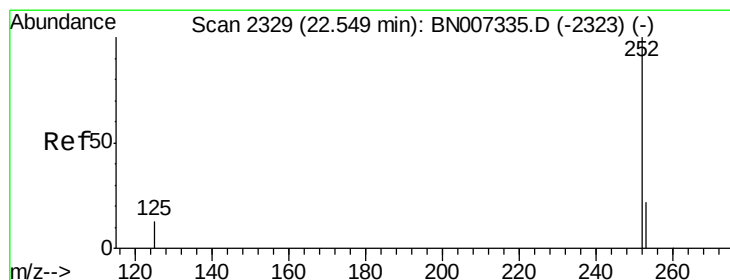
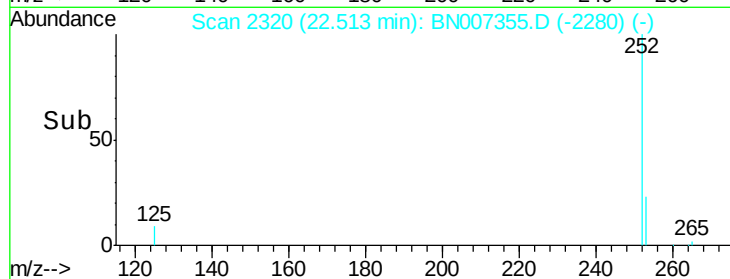
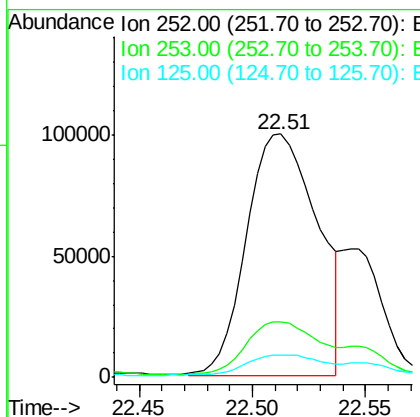
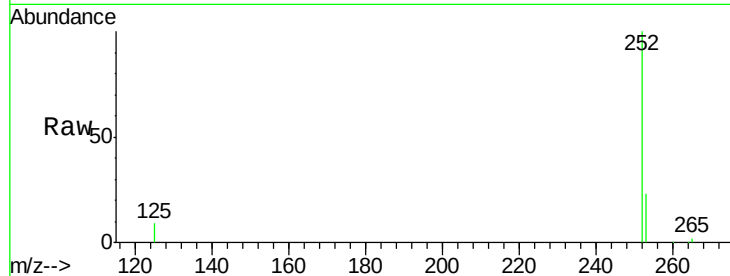
#35
Benzo(b)fluoranthene
Concen: 1.721 ng m
RT: 22.51 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW092-080519DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	9.3	10.6	16.0

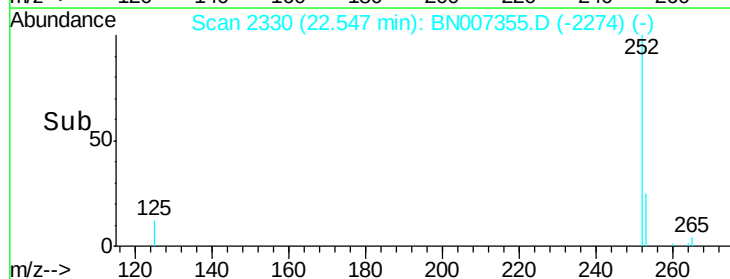
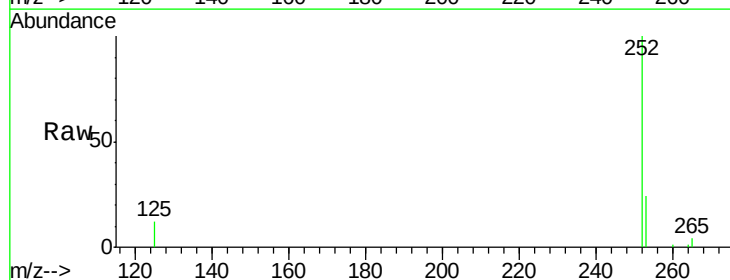
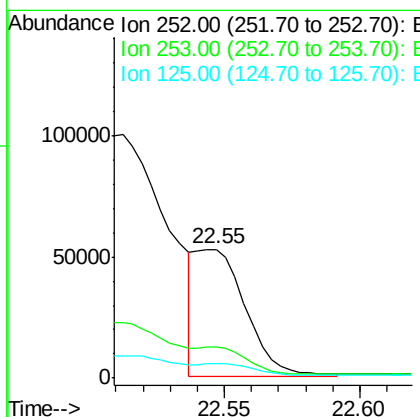
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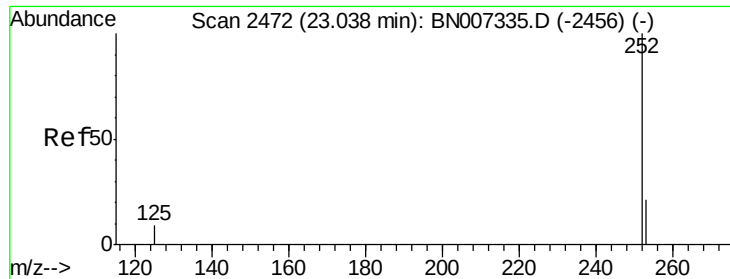
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.548 ng m
RT: 22.55 min Scan# 2330
Delta R.T. -0.00 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.4	29.2
125	11.7	13.1	19.7





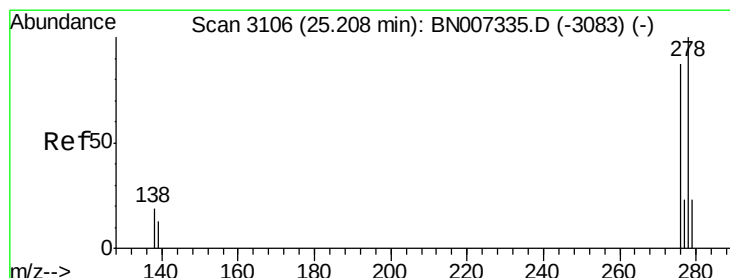
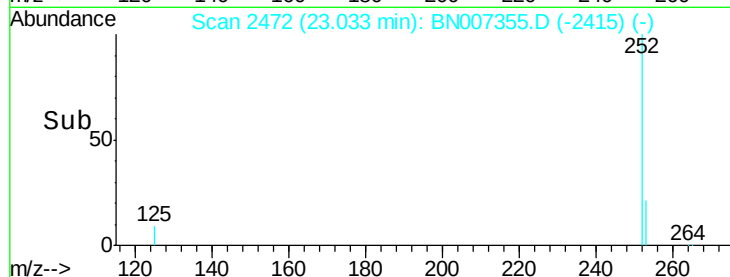
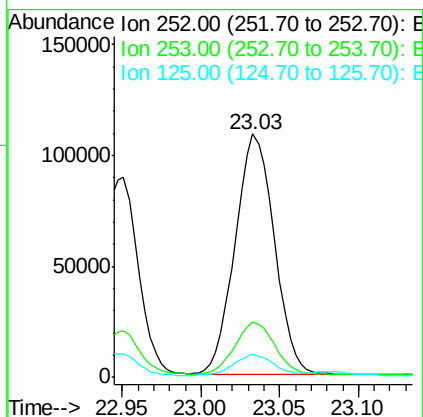
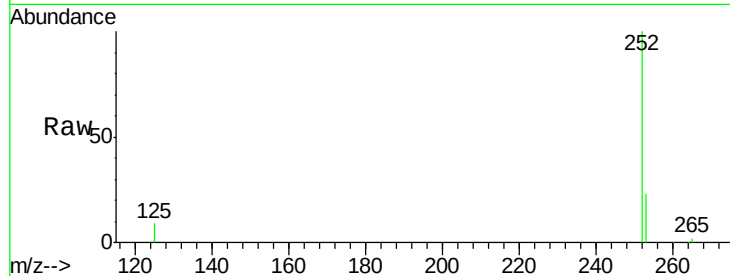
#37
Benzo(a)pyrene
Concen: 1.583 ng m
RT: 23.03 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW092-080519DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.5	29.3
125	9.4	12.1	18.1

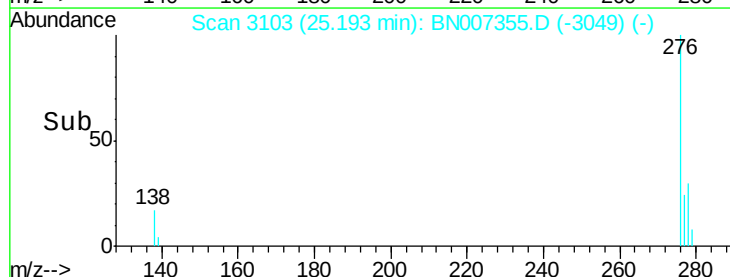
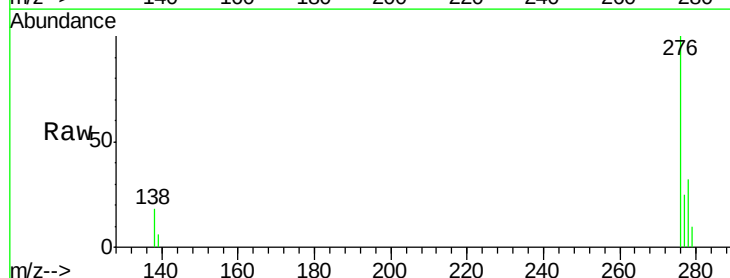
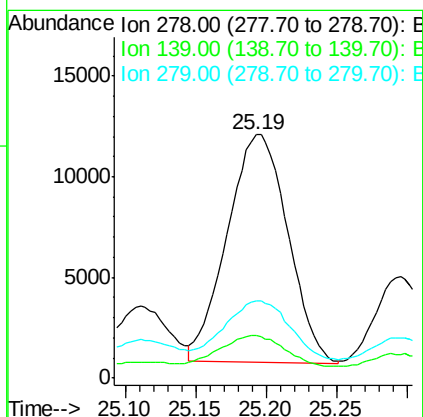
Manual Integrations
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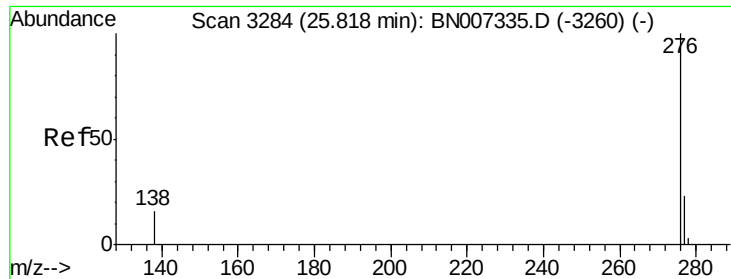
mohammad
8/29/2019 8:00:09 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.286 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007355.D
Acq: 24 Aug 2019 08:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.7	20.5
279	31.5	20.2	30.4





#39

Benzo(a,h,i)perylene

Concen: 1.024 ng

RT: 25.81 min Scan# 3284

Delta R.T. -0.01 min

Lab File: BN007355.D

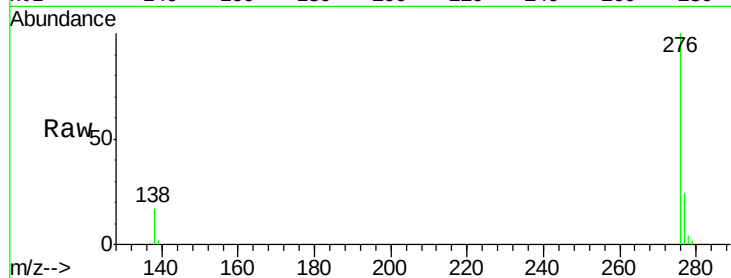
Acq: 24 Aug 2019 08:14

Instrument :

BNA_N

ClientSampleId :

EXT-034-SW092-080519DL



Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	17.3	16.3	24.5

Manual Integrations
APPROVED

mohammad
8/29/2019 8:00:09 AM

