

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
 Data File : BN008011.D
 Acq On : 04 Oct 2019 19:46
 Operator : JU
 Sample : K5078-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW068-092619

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:45:29 AM

Quant Time: Oct 05 03:45:32 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	14616	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	73852	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	59852	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	149911	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	174971	0.40	ng	-0.02
34) Perylene-d12	23.47	264	192019	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	5105	0.10	ng	-0.02
5) Phenol-d6	6.86	99	7738	0.12	ng	0.00
8) Nitrobenzene-d5	8.81	82	6802	0.11	ng	-0.03
11) 2-Methylnaphthalene-d10	12.04	152	14356	0.12	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	4014	0.12	ng	-0.02
15) 2-Fluorobiphenyl	12.92	172	19867	0.08	ng	-0.02
25) Fluoranthene-d10	19.09	212	52892	0.10	ng	-0.02
29) Terphenyl-d14	19.69	244	44819	0.10	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	6809	0.033	ng	# 83
12) 2-Methylnaphthalene	12.11	142	6319	0.045	ng	# 90
16) Acenaphthylene	14.02	152	205834	0.648	ng	99
17) Acenaphthene	14.37	154	7422	0.036	ng	92
18) Fluorene	15.36	166	27213	0.104	ng	# 71
23) Phenanthrene	17.09	178	381042	0.816	ng	99
24) Anthracene	17.18	178	224145	0.531	ng	99
26) Fluoranthene	19.12	202	897006	1.545	ng	99
28) Pyrene	19.48	202	980699	1.643	ng	# 96
30) Benzo(a)anthracene	21.24	228	517531m	0.803	ng	
31) Chrysene	21.28	228	591346	0.942	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	285640	0.862	ng	98
33) Indeno(1,2,3-cd)pyrene	25.69	276	436529	0.555	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	831623	1.248	ng	# 93
36) Benzo(k)fluoranthene	22.84	252	242566m	0.368	ng	
37) Benzo(a)pyrene	23.37	252	558417	0.891	ng	# 94
38) Dibenzo(a,h)anthracene	25.69	278	130719	0.204	ng	# 64
39) Benzo(a,h,i)perylene	26.37	276	516060	0.814	ng	96

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

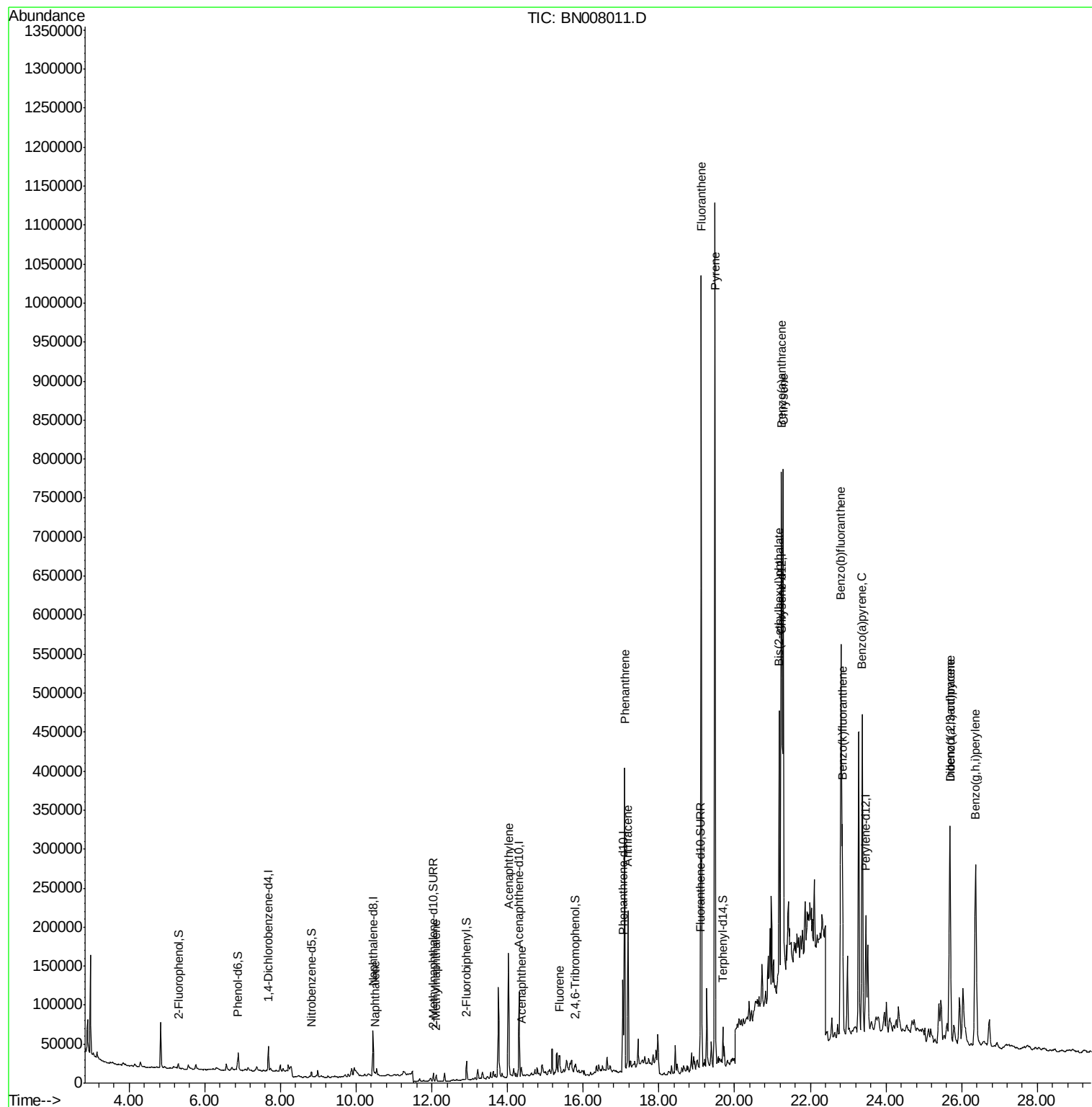
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
Data File : BN008011.D
Acq On : 04 Oct 2019 19:46
Operator : JU
Sample : K5078-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

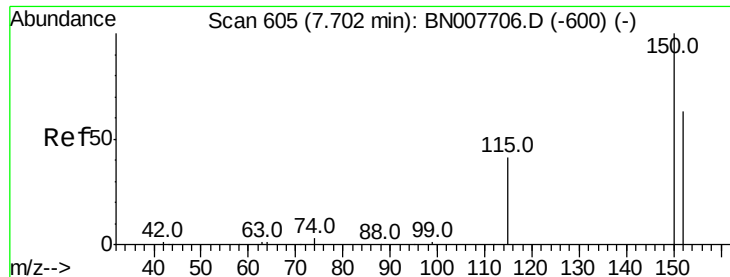
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Manual Integrations
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10/7/2019 8:45:29 AM

Quant Time: Oct 05 03:45:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration





#1

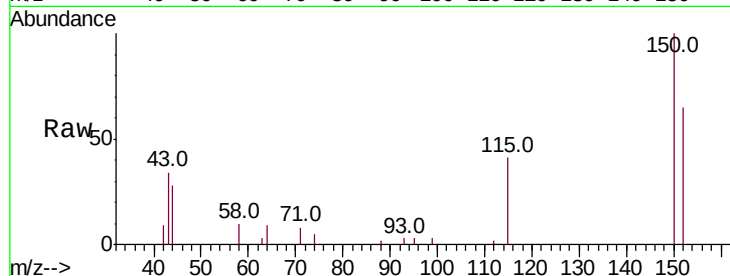
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.6	188.4
115	63.1	53.3	79.9

Manual Integrations
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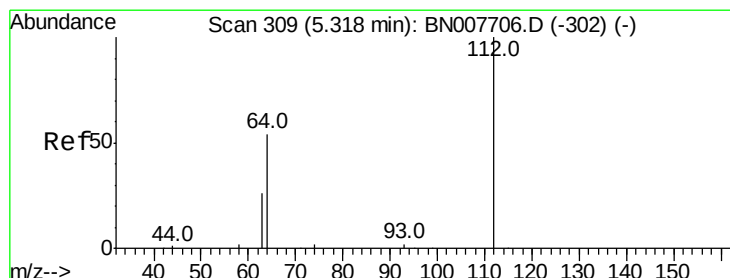
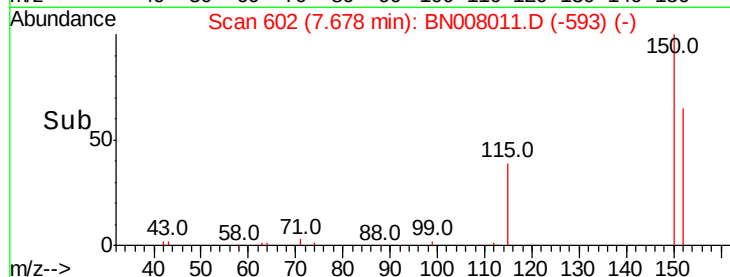
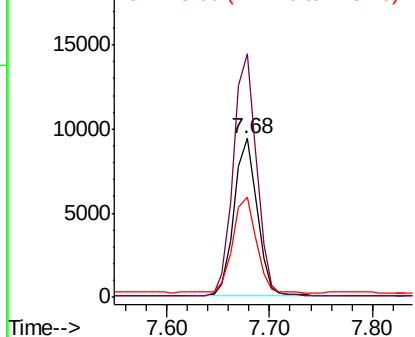


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

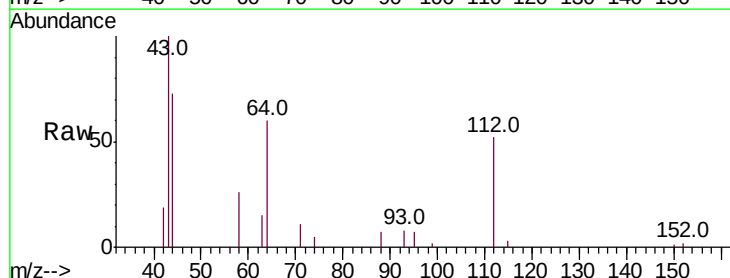
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.101 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.6	70.0
63	26.0	23.1	34.7

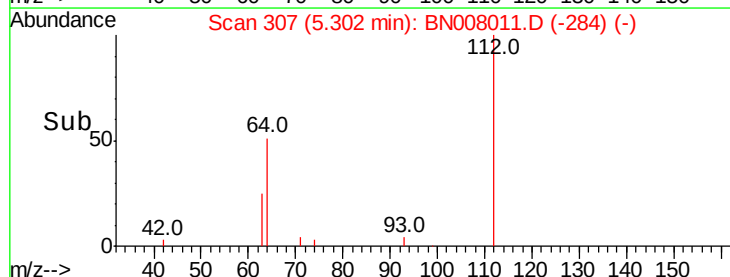
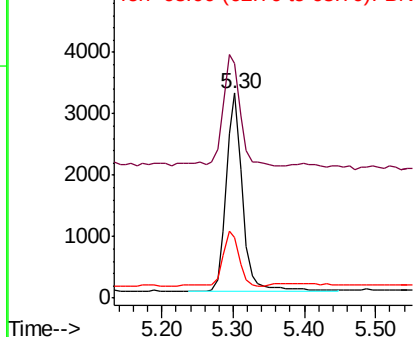


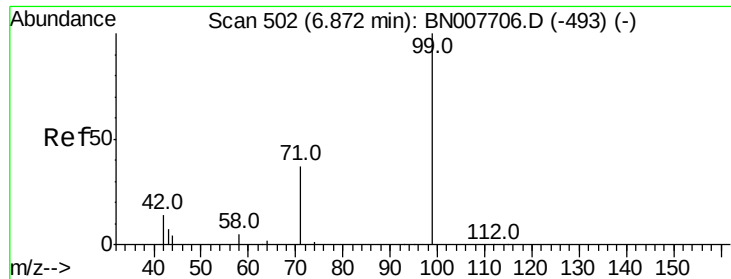
Abundance

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: 0.119 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN008011.D

Acq: 04 Oct 2019 19:46

Instrument :

BNA_N

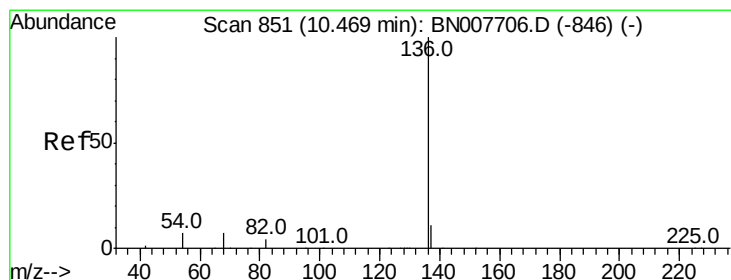
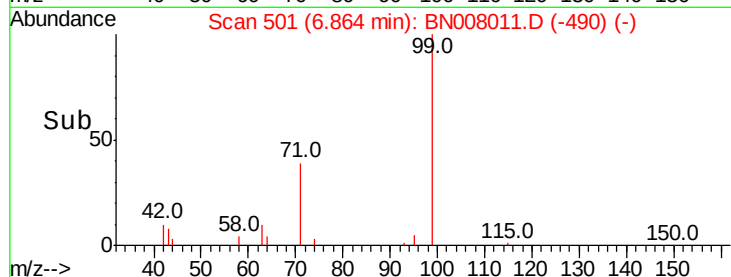
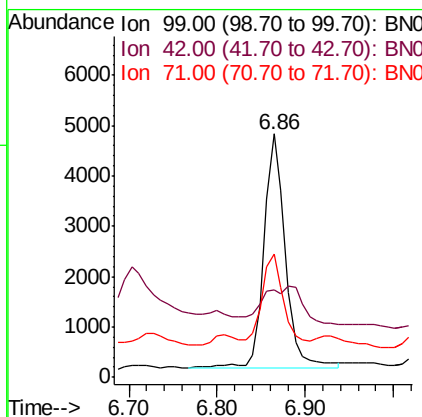
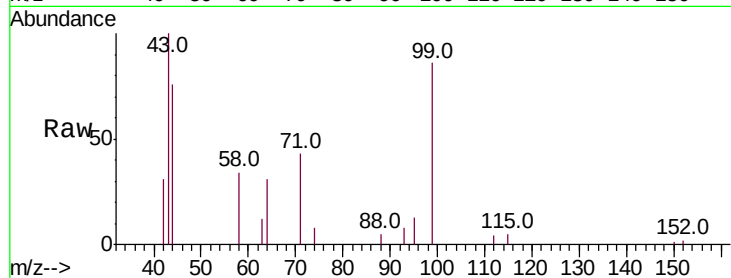
ClientSampleId :

EXT-024-SW068-092619

Tot Ion:	99	Resp:	7738
Ion	Ratio	Lower	Upper
99	100		
42	30.2	12.8	19.2#
71	40.8	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

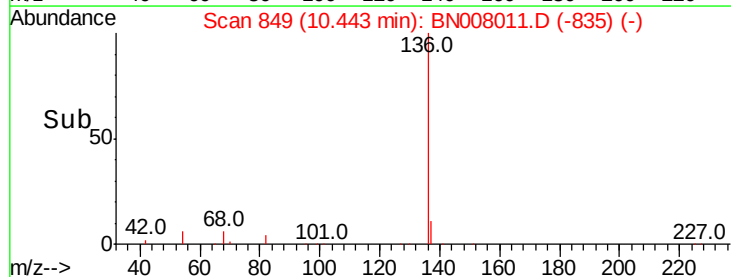
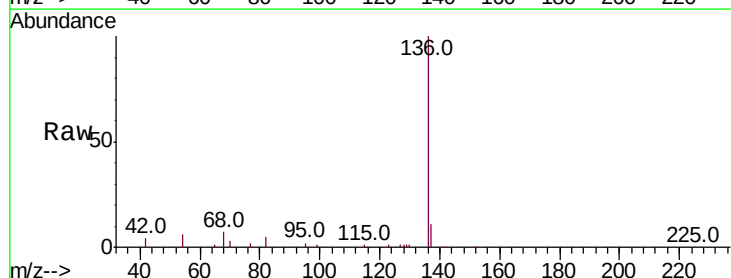
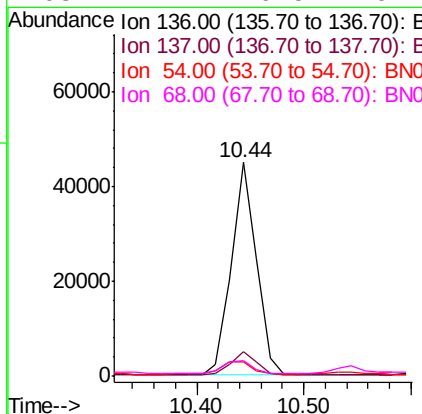
RT: 10.44 min Scan# 849

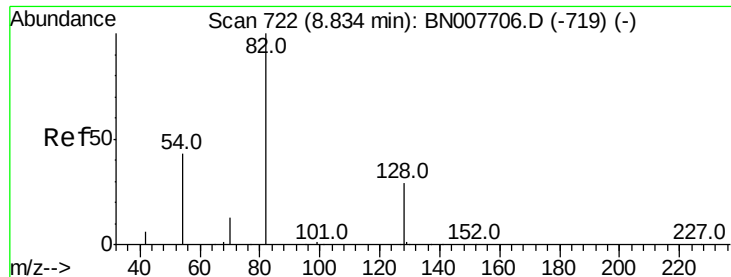
Delta R.T. -0.03 min

Lab File: BN008011.D

Acq: 04 Oct 2019 19:46

Tgt Ion:	136	Resp:	73852
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.4	5.8	8.8
68	7.4	6.5	9.7





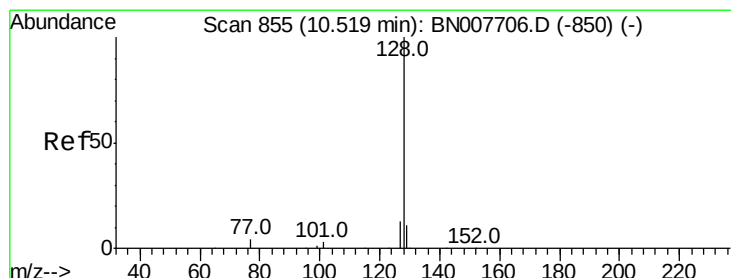
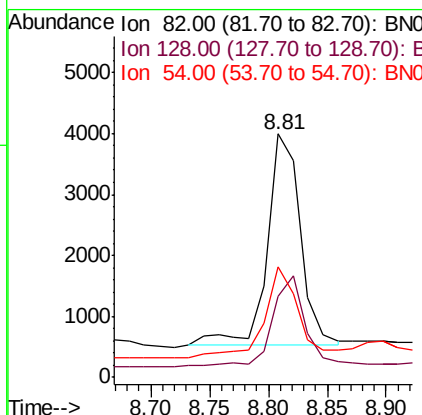
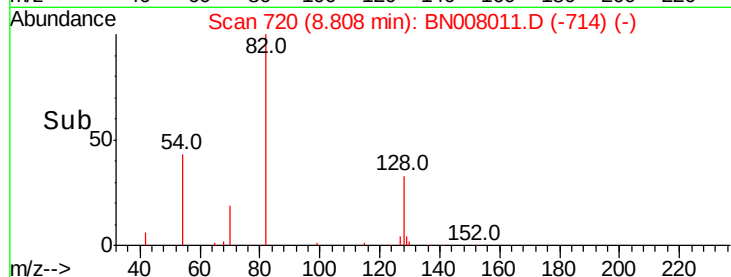
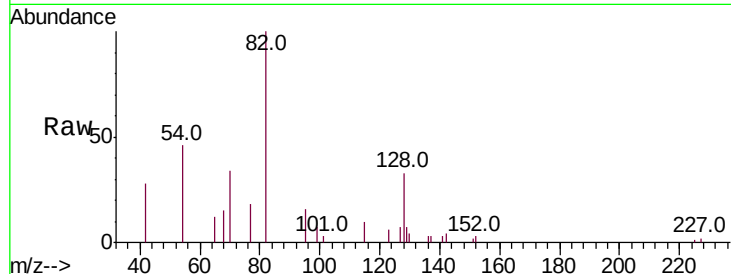
#8
Nitrobenzene-d5
Concen: 0.105 ng
RT: 8.81 min Scan# 720
Delta R.T. -0.03 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.1	24.5	36.7
54	45.6	35.2	52.8

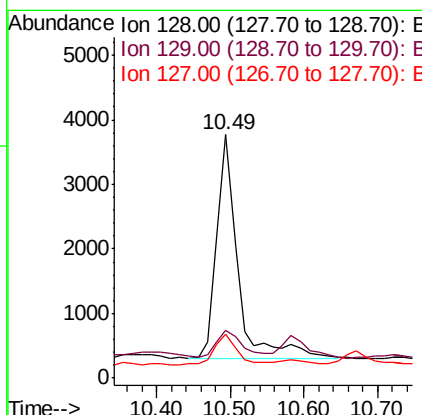
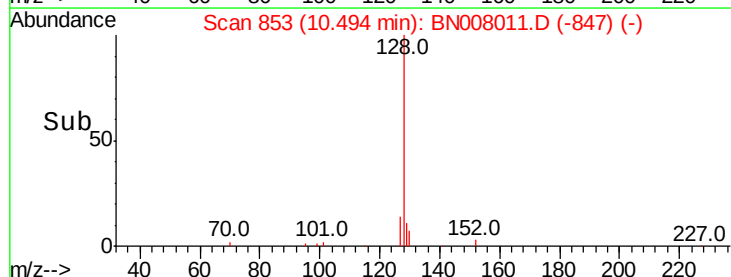
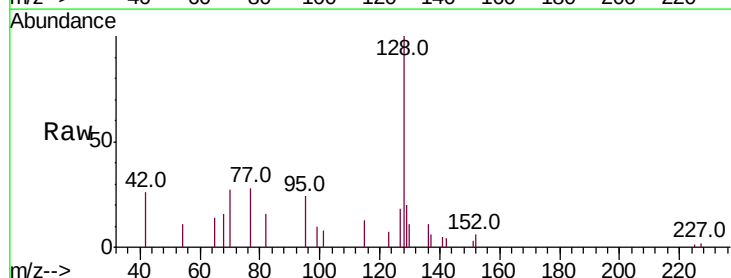
Manual Integrations
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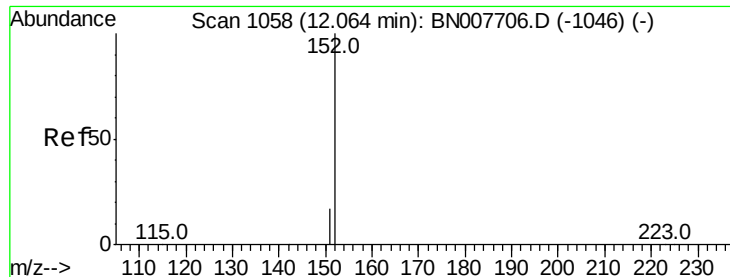
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#9
Naphthalene
Concen: 0.033 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.03 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	19.8	9.1	13.7#
127	18.3	10.6	15.8#





#11

2-Methylnaphthalene-d10

Concen: 0.115 ng

RT: 12.04 min Scan# 1052

Delta R.T. -0.03 min

Lab File: BN008011.D

Acq: 04 Oct 2019 19:46

Instrument :

BNA_N

ClientSampleId :

EXT-024-SW068-092619

Tot Ion:152 Resp: 14356

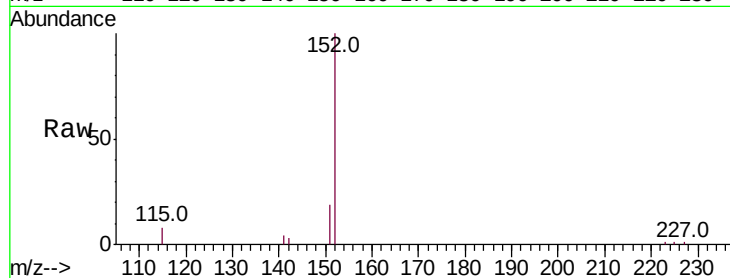
Ion Ratio Lower Upper

152 100

151 20.1 15.4 23.2

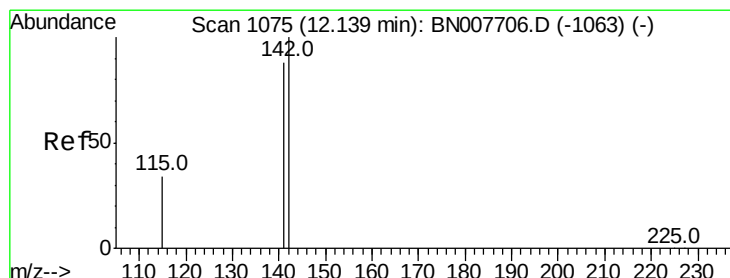
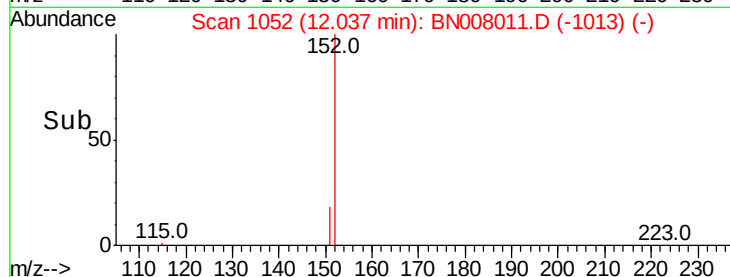
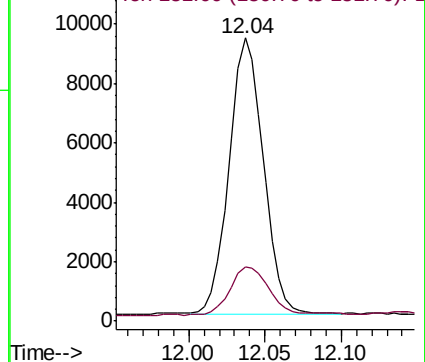
Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.045 ng

RT: 12.11 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BN008011.D

Acq: 04 Oct 2019 19:46

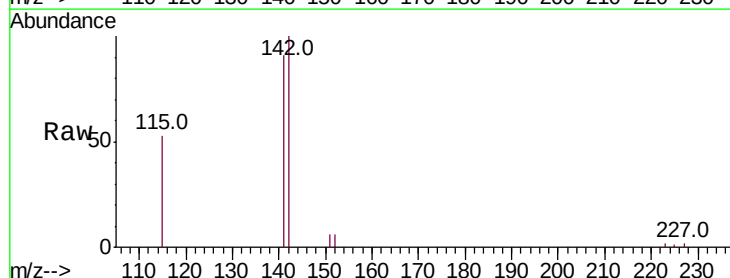
Tgt Ion:142 Resp: 6319

Ion Ratio Lower Upper

142 100

141 90.7 70.6 106.0

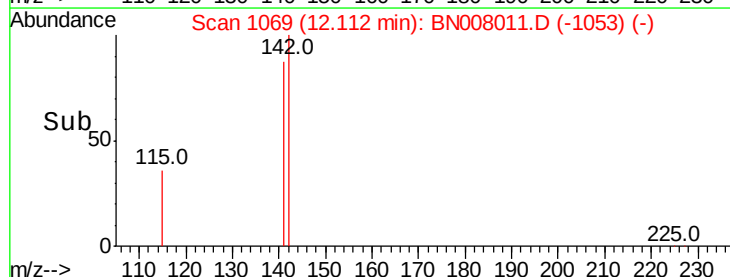
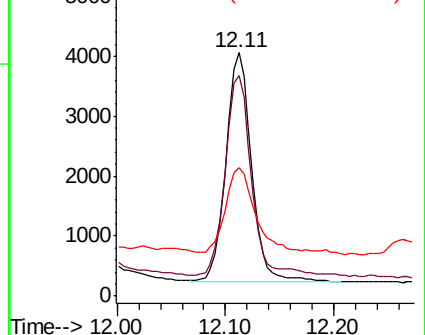
115 52.7 28.3 42.5#

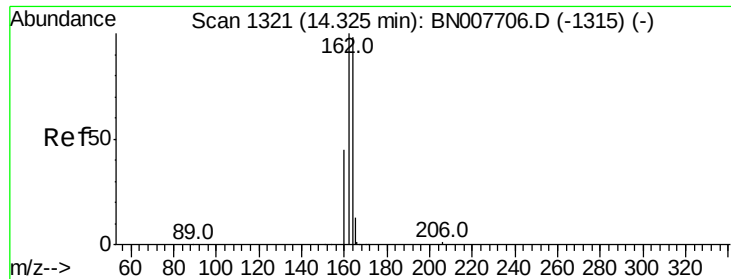


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





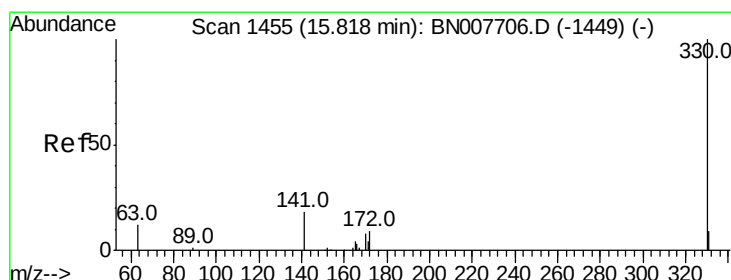
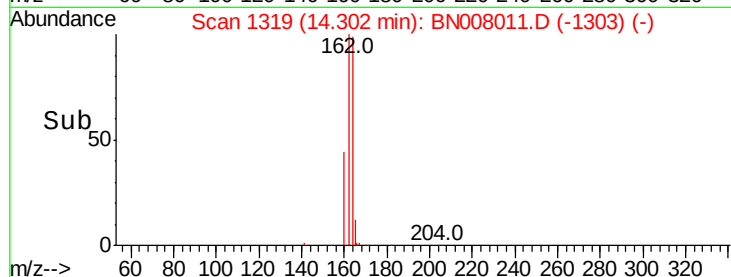
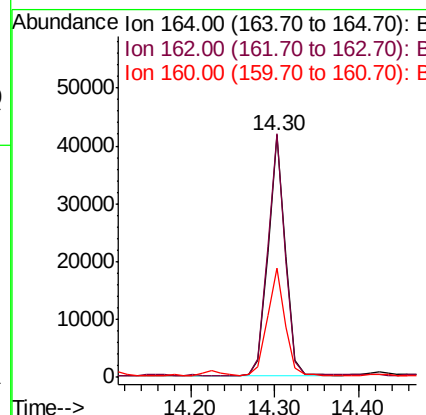
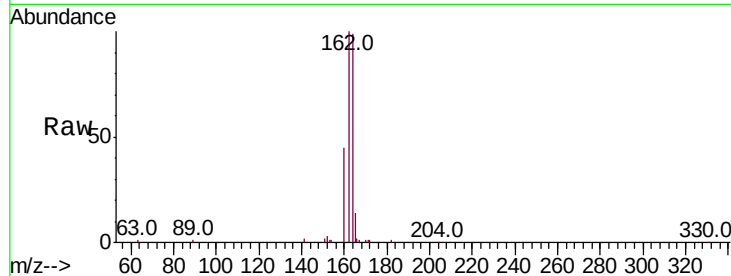
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.7	122.5
160	45.0	37.0	55.4

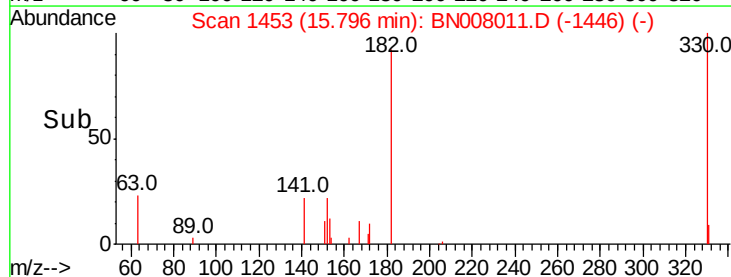
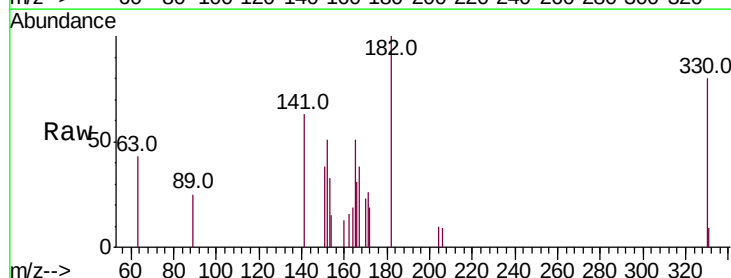
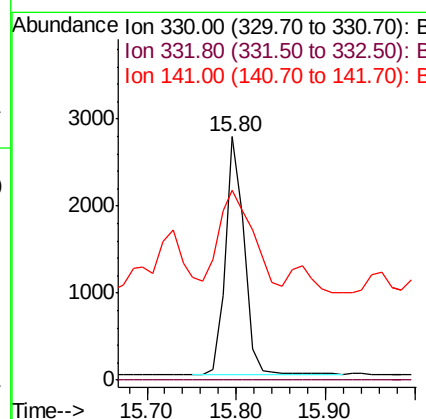
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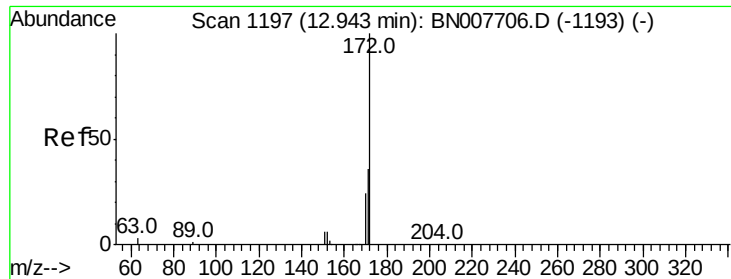
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#14
2,4,6-Tribromophenol
Concen: 0.123 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	70.1	28.7	43.1#





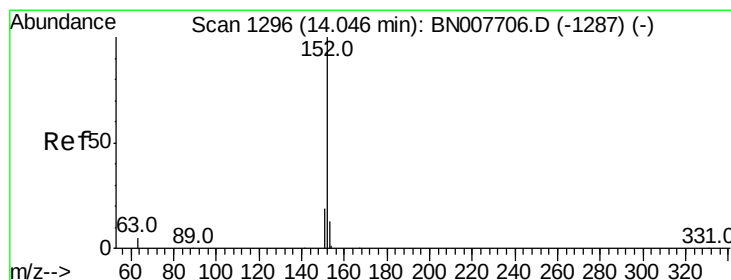
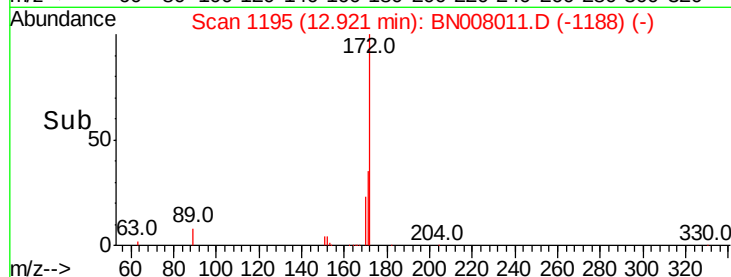
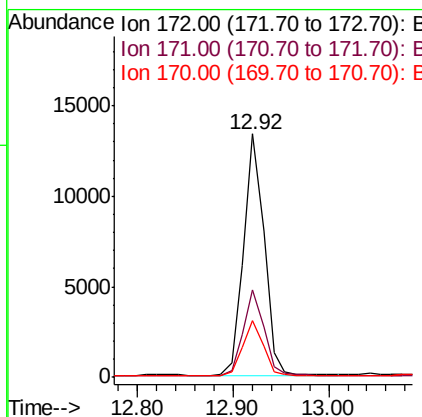
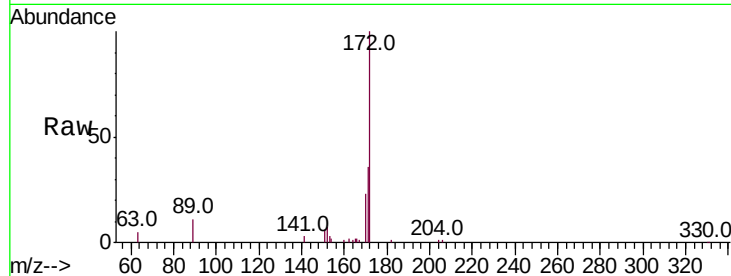
#15
2-Fluorobiphenyl
Concen: 0.081 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.1	19.5	29.3

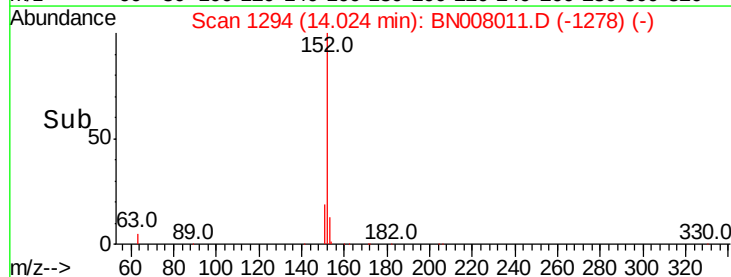
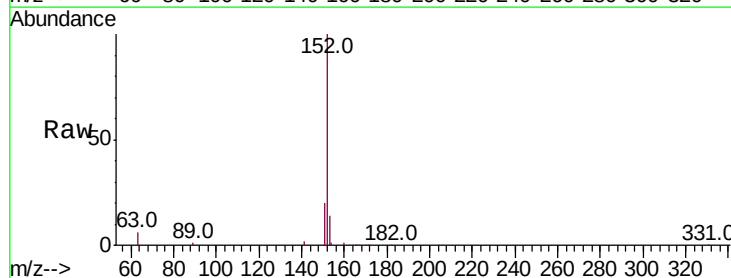
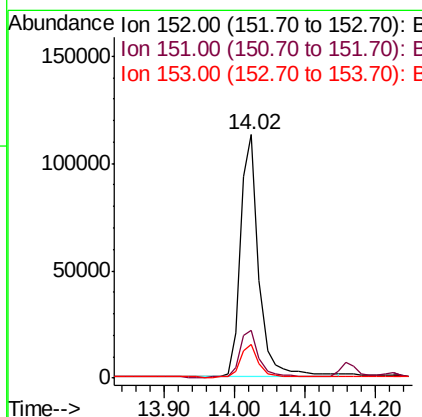
Manual Integrations
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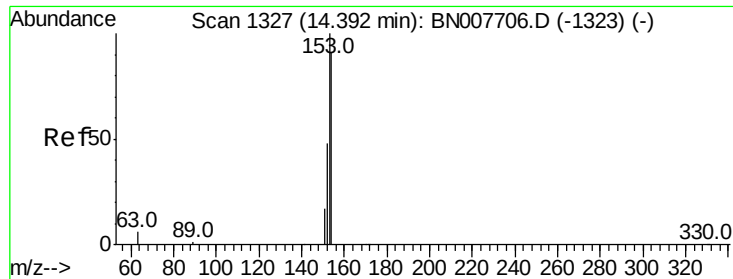
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#16
Acenaphthylene
Concen: 0.648 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.5	23.3
153	13.2	10.4	15.6





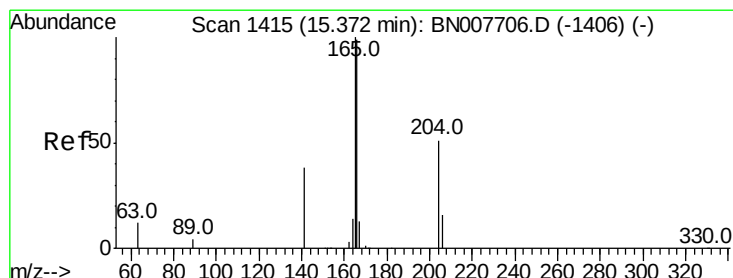
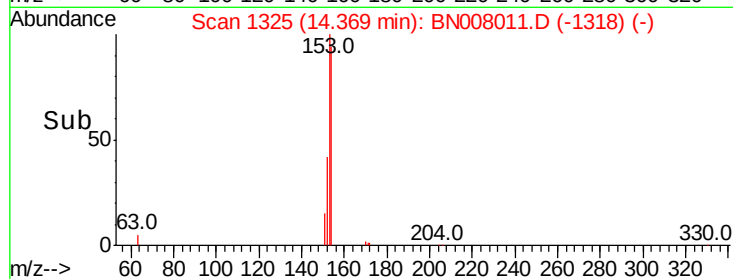
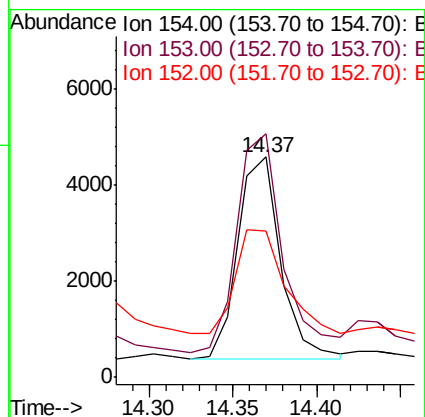
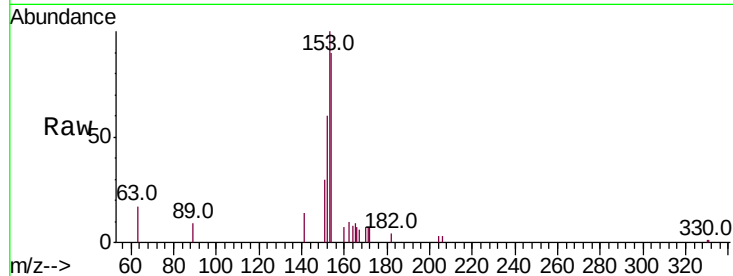
#17
Acenaphthene
Concen: 0.036 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.0	87.0	130.4
152	58.7	42.7	64.1

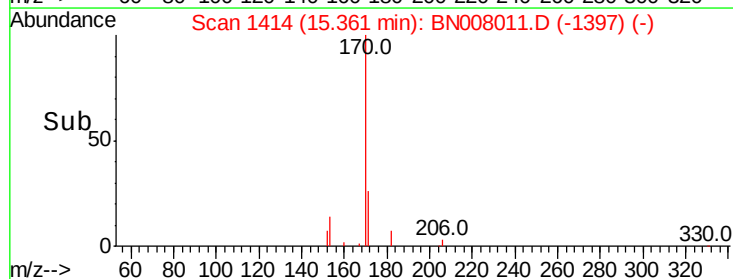
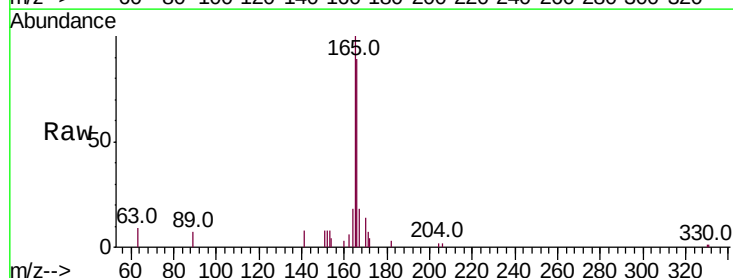
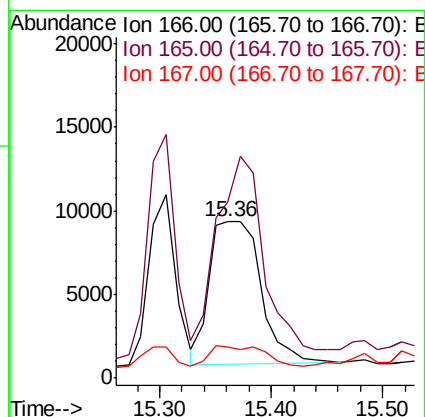
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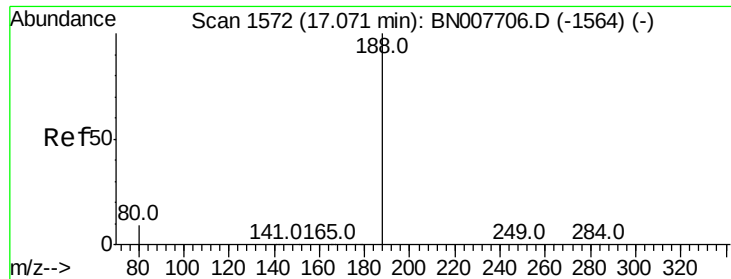
mohammad
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#18
Fluorene
Concen: 0.104 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	125.3	78.0	117.0#
167	0.0	10.9	16.3#





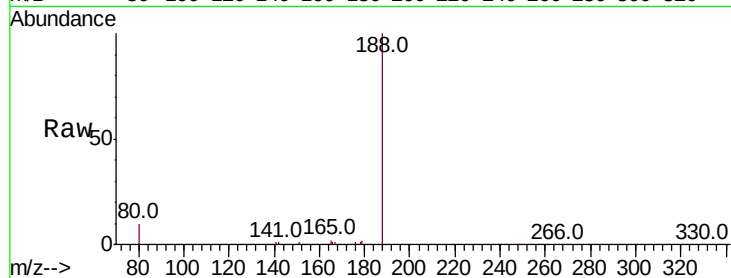
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

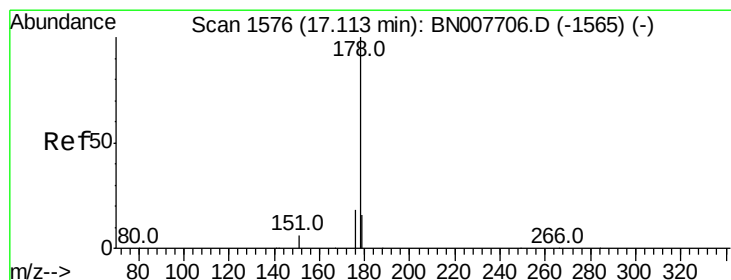
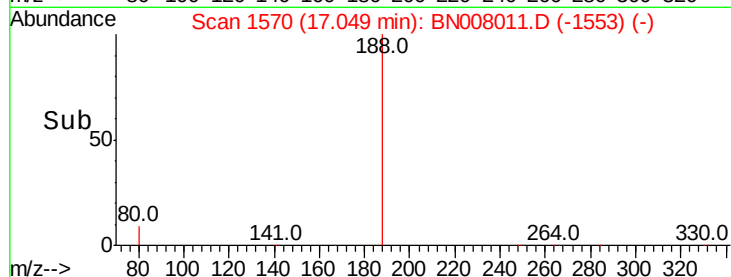
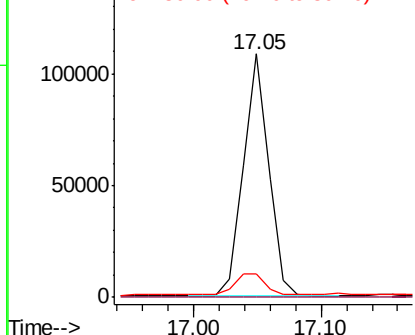
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	7.4	11.2

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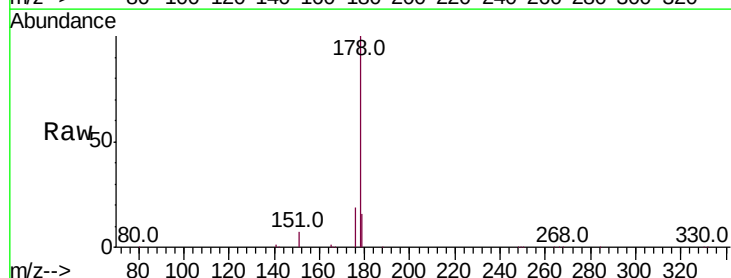


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

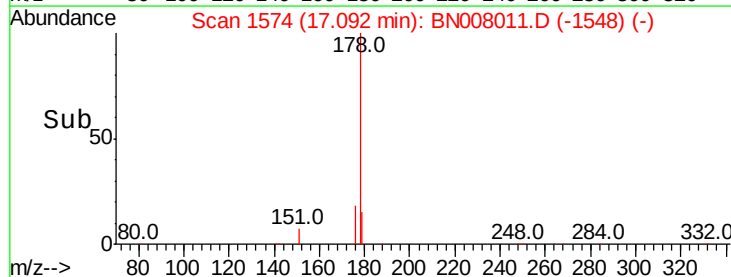
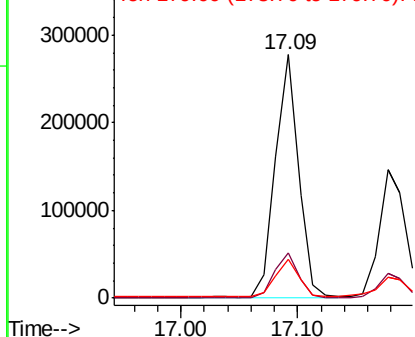


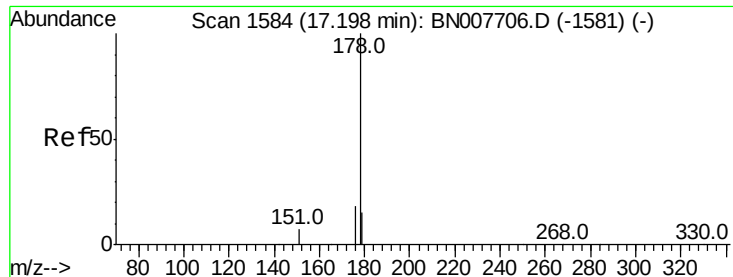
#23
Phenanthrene
Concen: 0.816 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	14.9	22.3
179	16.1	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.531 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BN008011.D

Acq: 04 Oct 2019 19:46

Instrument :

BNA_N

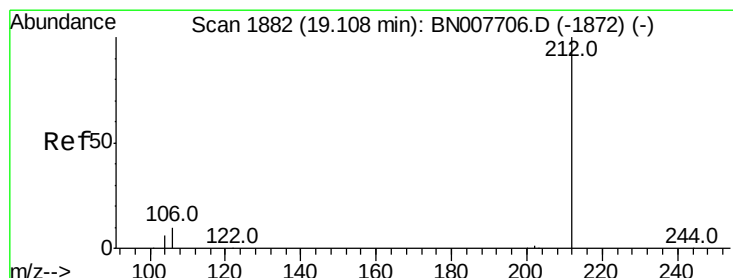
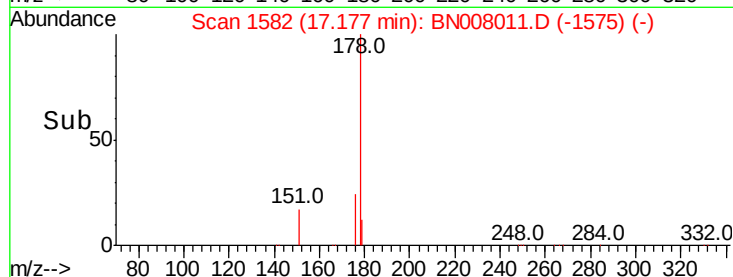
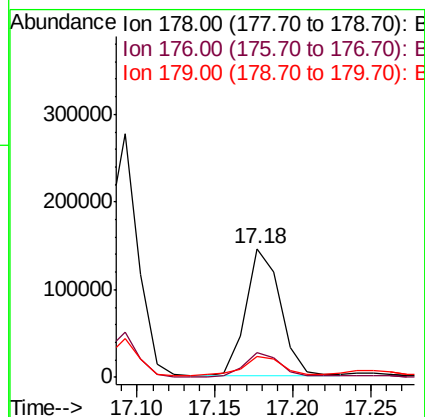
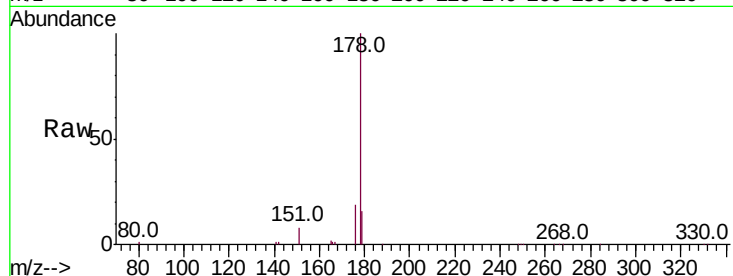
ClientSampleId :

EXT-024-SW068-092619

Tot Ion:	178	Resp:	224145
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	21.8
179	15.8	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.105 ng

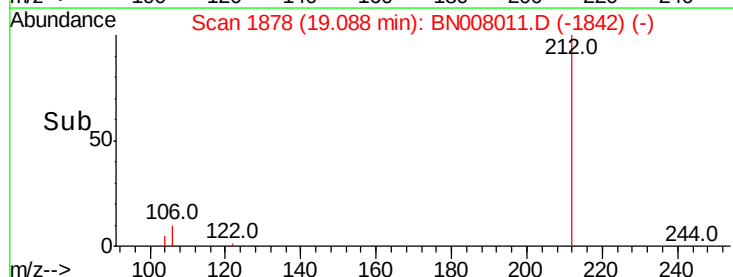
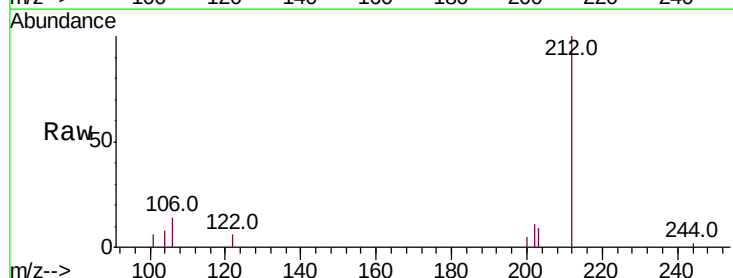
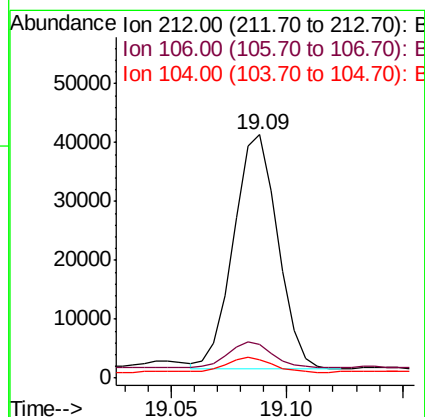
RT: 19.09 min Scan# 1878

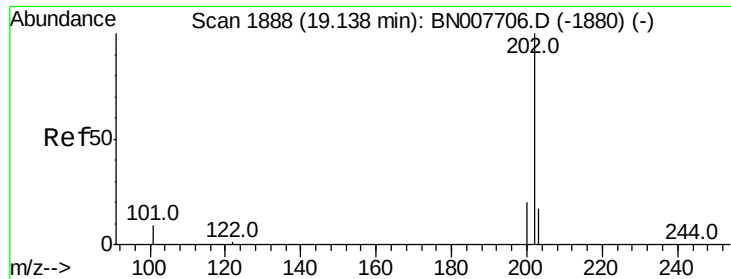
Delta R.T. -0.02 min

Lab File: BN008011.D

Acq: 04 Oct 2019 19:46

Tgt Ion:	212	Resp:	52892
Ion Ratio	Lower	Upper	
212	100		
106	11.2	9.4	14.0
104	7.6	5.3	7.9





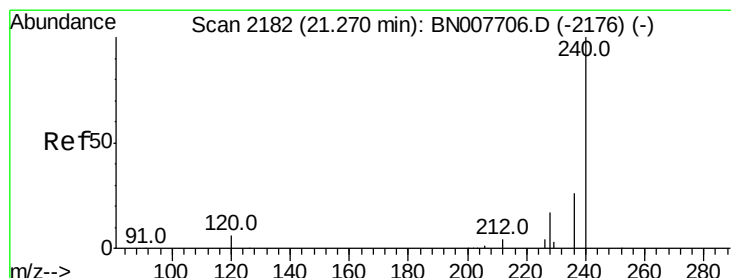
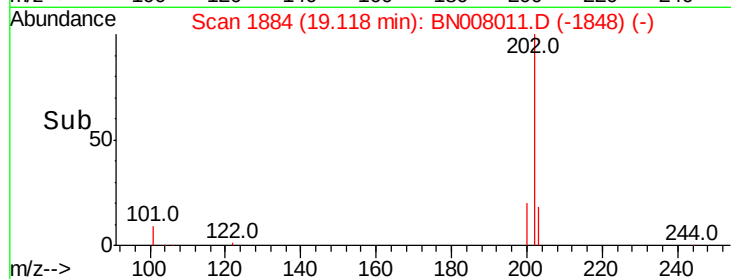
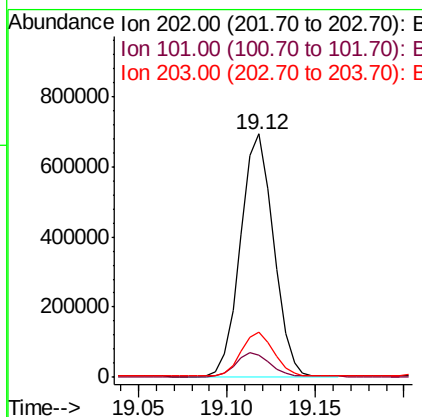
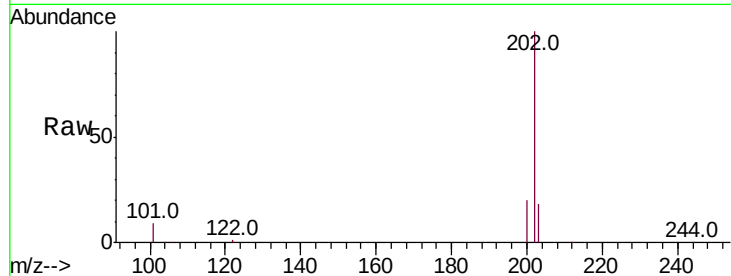
#26
Fluoranthene
Concen: 1.545 ng
RT: 19.12 min Scan# 1884
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	897006		
101	10.7		8.4	12.6
203	17.9		13.8	20.8

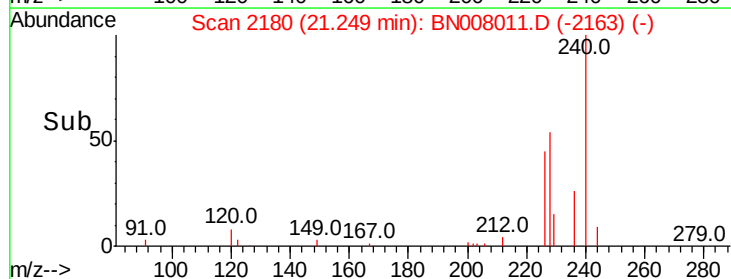
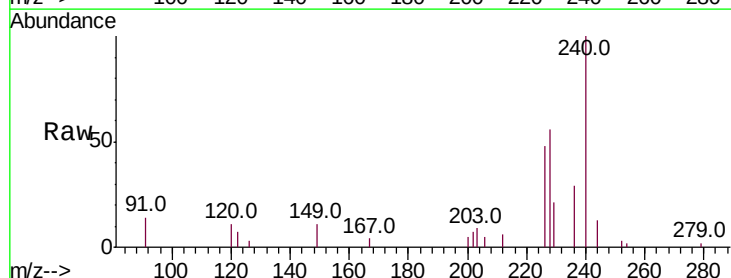
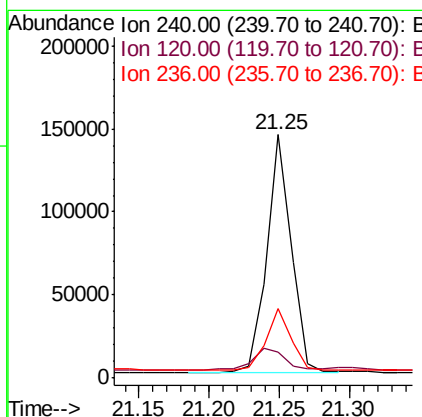
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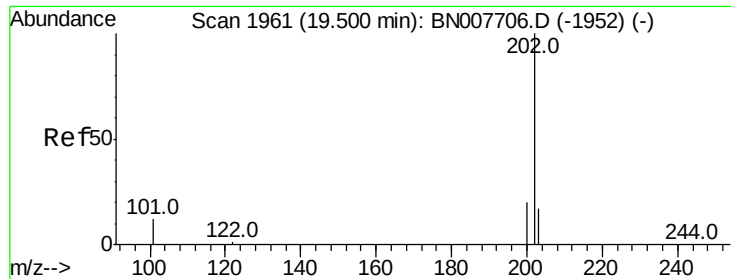
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	174971		
120	10.9		5.4	8.2#
236	28.7		21.0	31.4





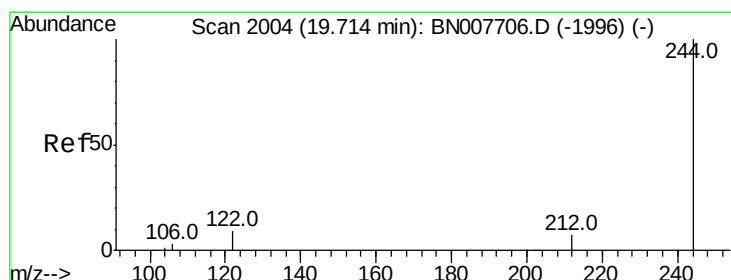
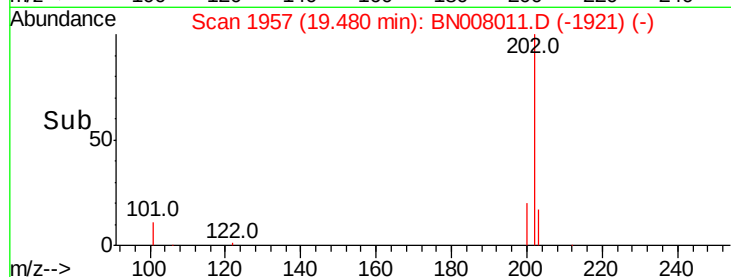
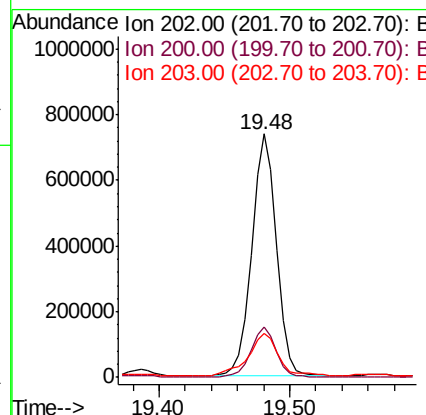
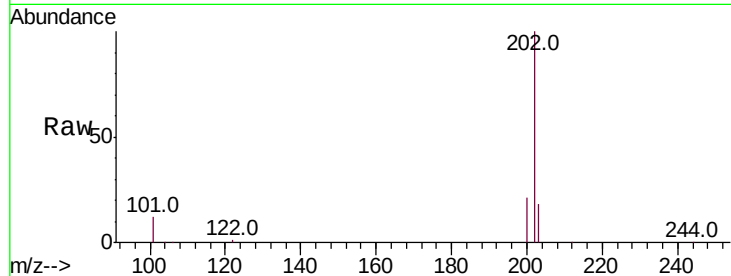
#28
Pvrene
Concen: 1.643 ng
RT: 19.48 min Scan# 1957
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.3	14.1	21.1#

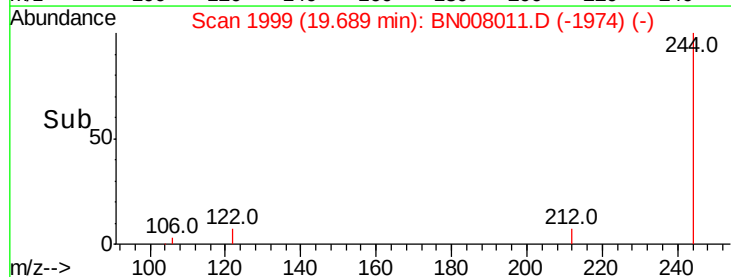
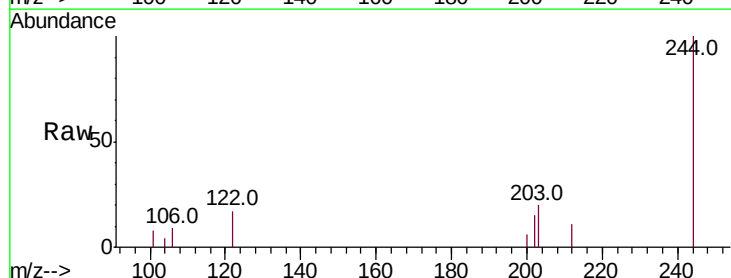
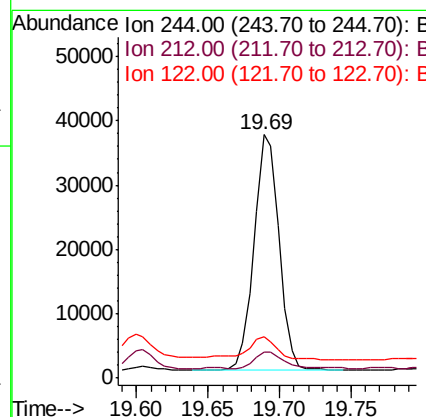
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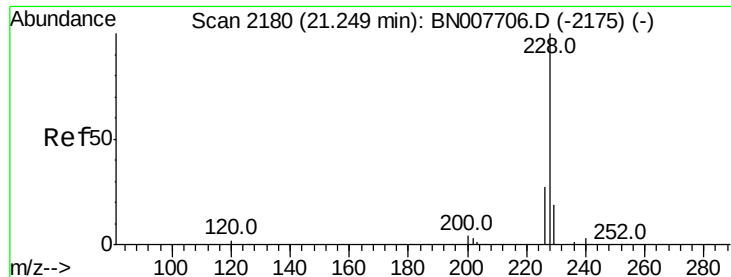
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#29
Terphenyl-d14
Concen: 0.104 ng
RT: 19.69 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.8	5.9	8.9#
122	17.0	7.4	11.2#





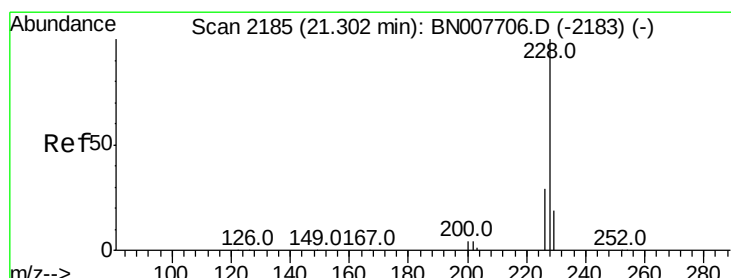
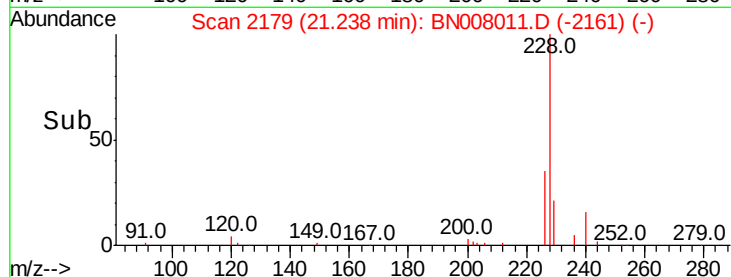
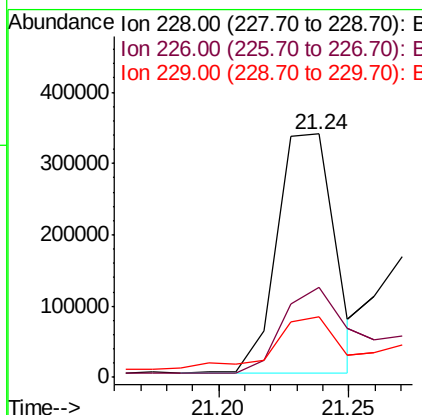
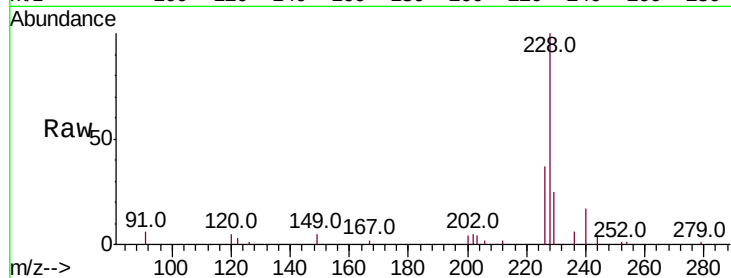
#30
Benzo(a)anthracene
Concen: 0.803 ng m
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.1	22.1	33.1#
229	24.6	15.8	23.6#

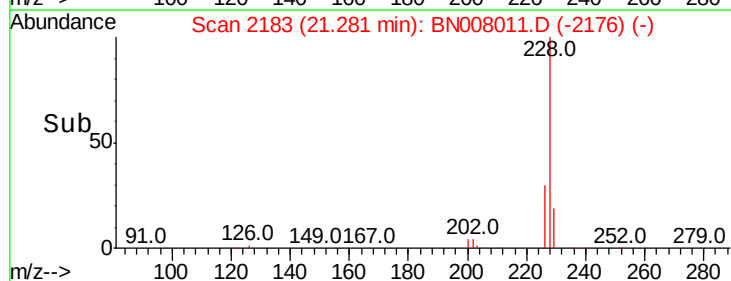
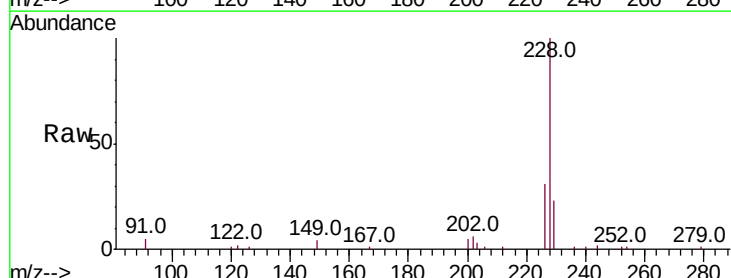
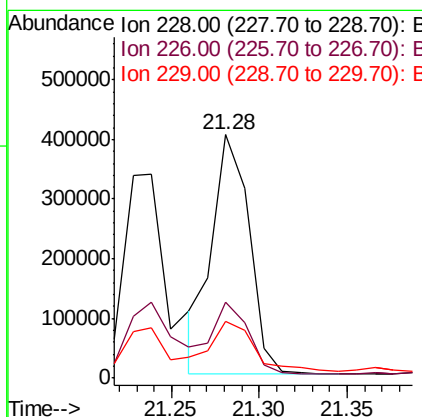
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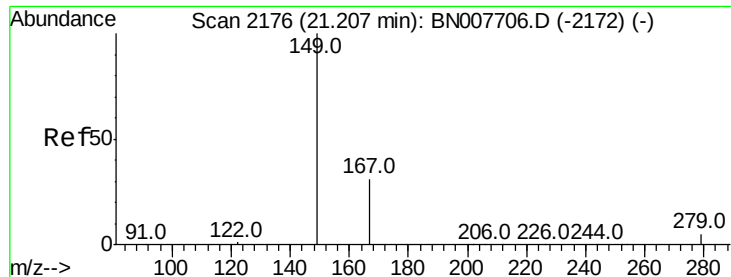
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#31
Chrysene
Concen: 0.942 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	23.1	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.862 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN008011.D

Acq: 04 Oct 2019 19:46

Instrument :

BNA_N

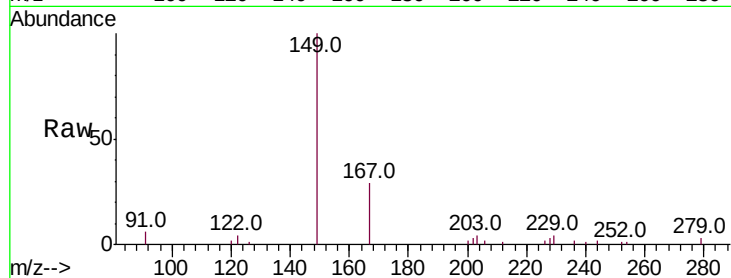
ClientSampleId :

EXT-024-SW068-092619

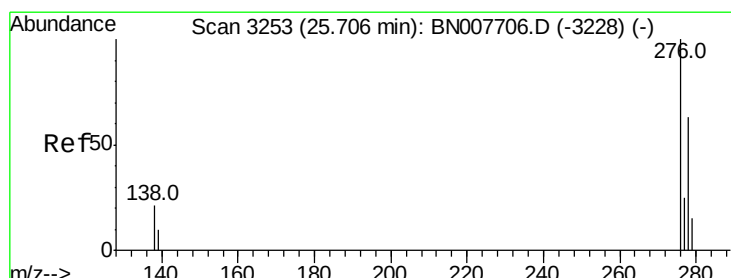
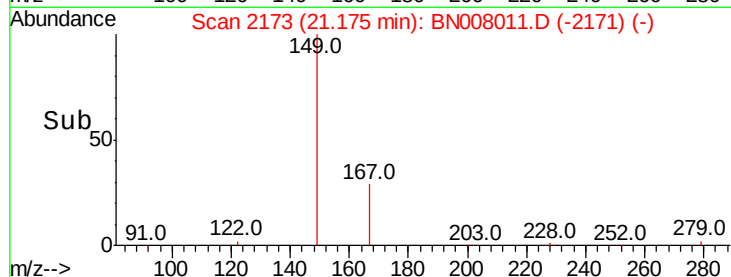
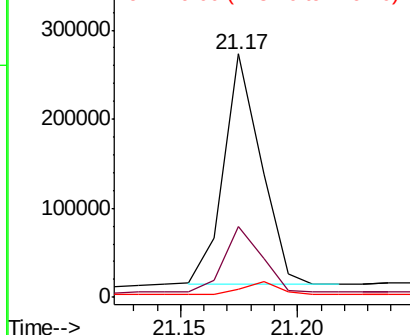
Tot Ion:	149	Resp:	285640
Ion Ratio	Lower	Upper	
149	100		
167	28.4	23.7	35.5
279	5.3	4.2	6.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.555 ng

RT: 25.69 min Scan# 3248

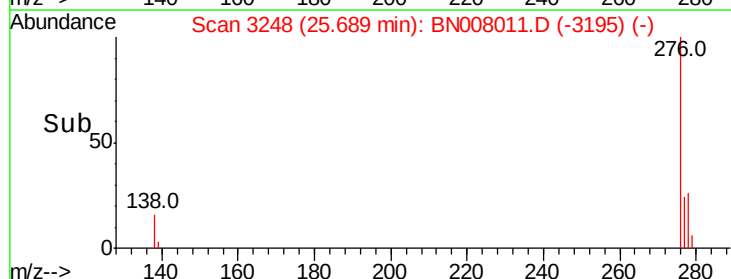
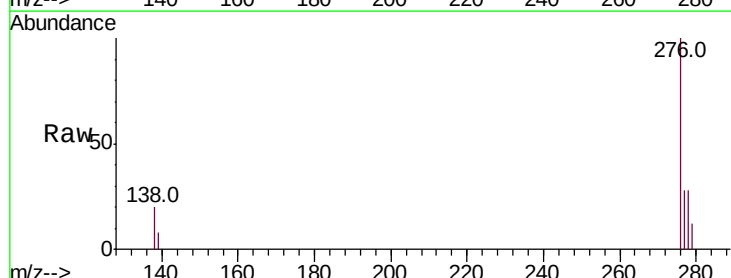
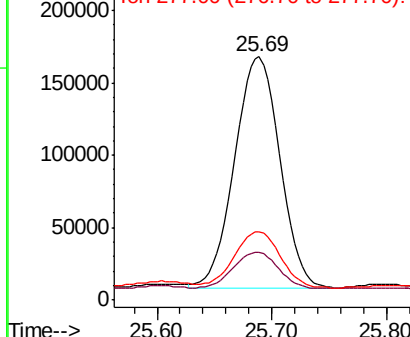
Delta R.T. -0.02 min

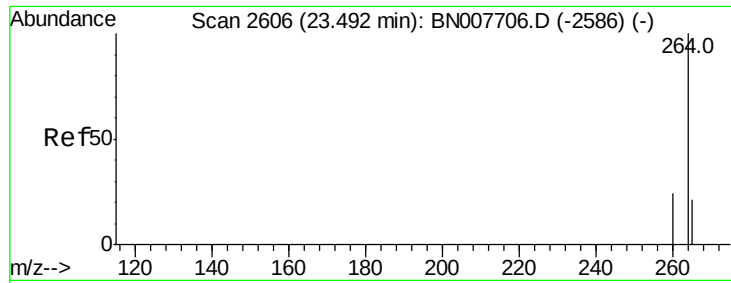
Lab File: BN008011.D

Acq: 04 Oct 2019 19:46

Tgt Ion:	276	Resp:	436529
Ion Ratio	Lower	Upper	
276	100		
138	16.1	17.1	25.7#
277	25.0	20.0	30.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





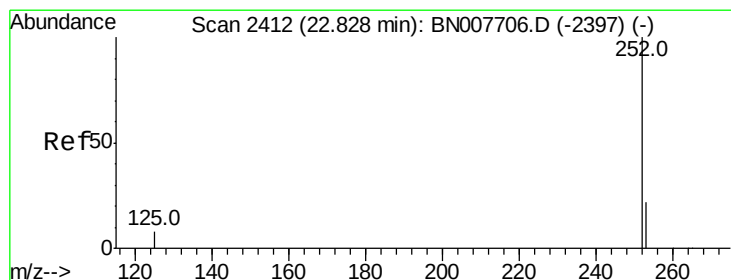
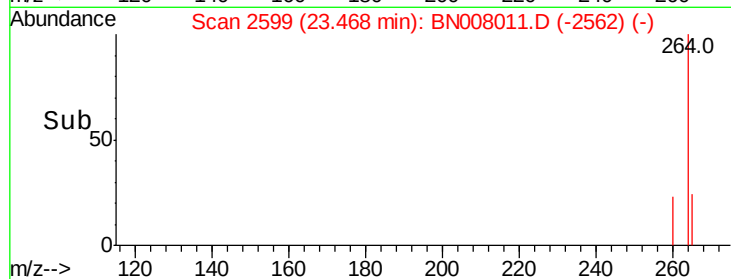
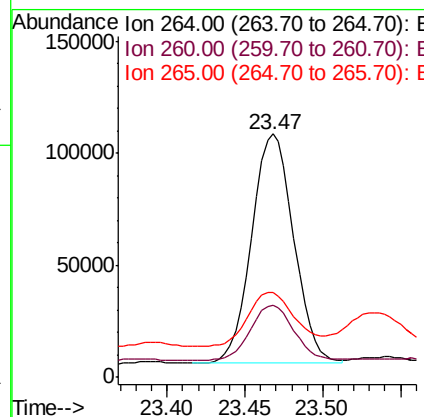
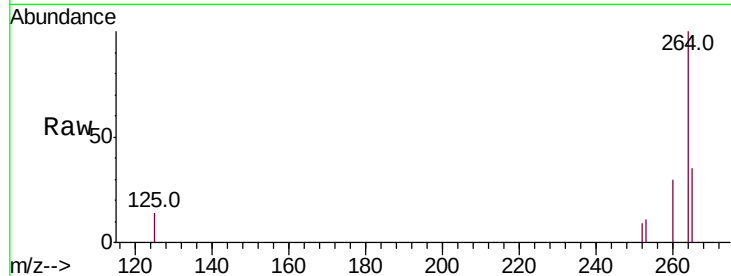
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2599
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	29.7	19.3	28.9#	
265	34.7	26.9	40.3	

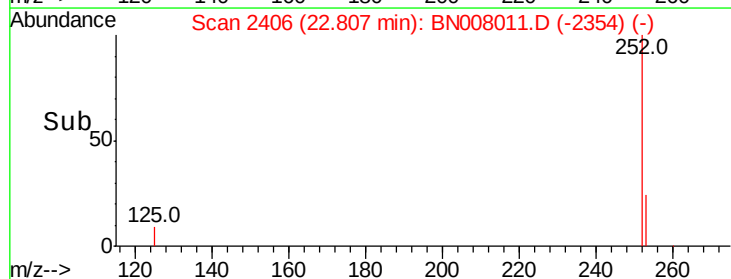
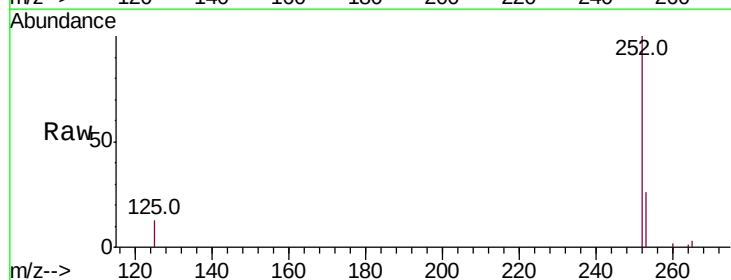
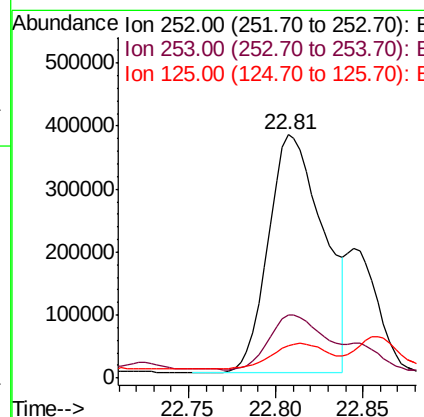
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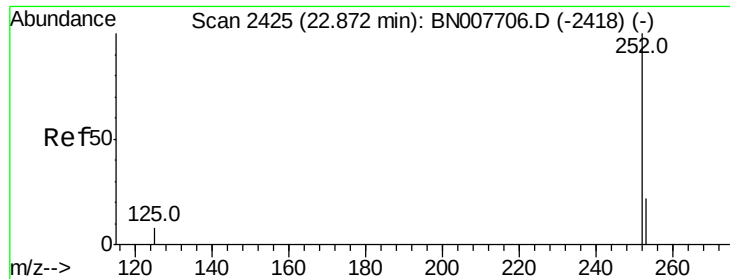
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#35
Benzo(b)fluoranthene
Concen: 1.248 ng
RT: 22.81 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	26.0	18.3	27.5	
125	13.2	8.2	12.4#	





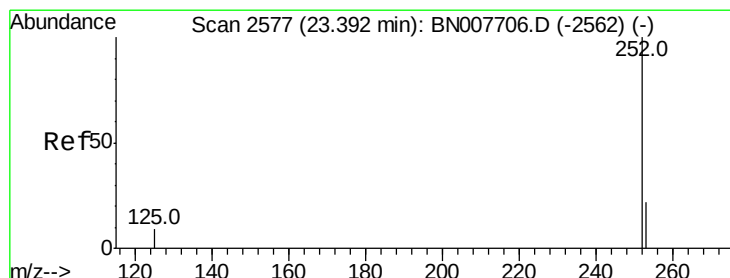
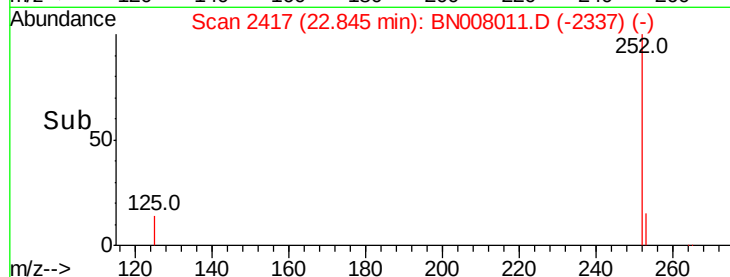
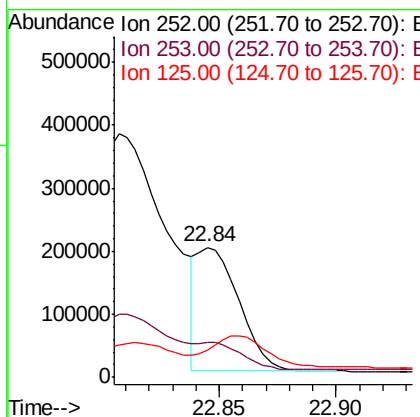
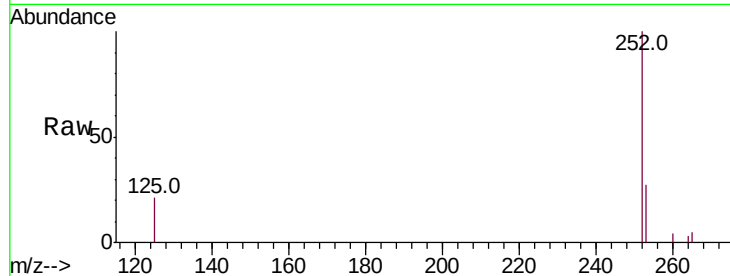
#36
Benzo(k)fluoranthene
Concen: 0.368 ng/mL
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.5	27.7
125	21.3	8.4	12.6

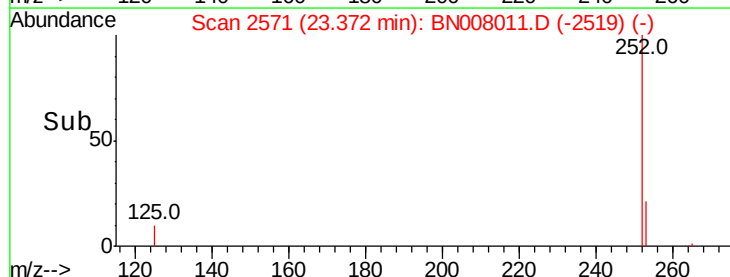
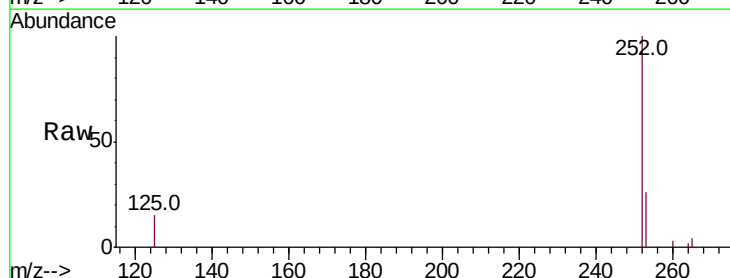
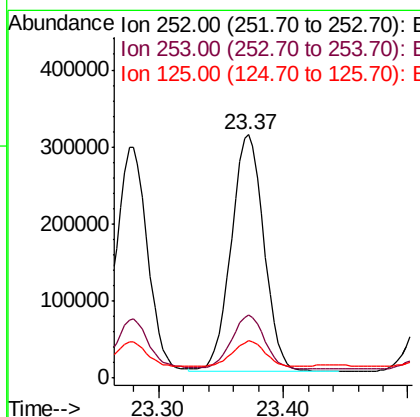
Manual Integrations
APPROVED

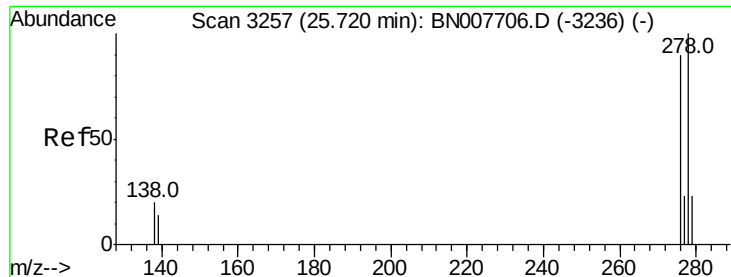
mohammad
10/7/2019 8:45:29 AM



#37
Benzo(a)pyrene
Concen: 0.891 ng/mL
RT: 23.37 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.6	27.8
125	15.2	9.4	14.0





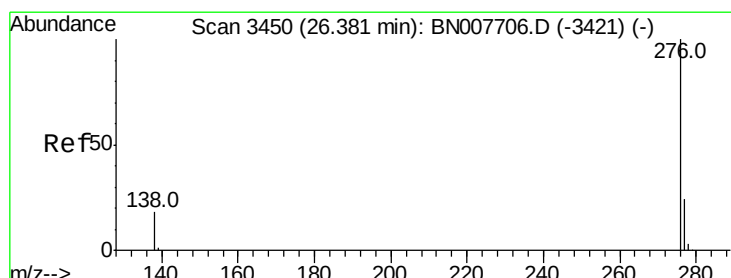
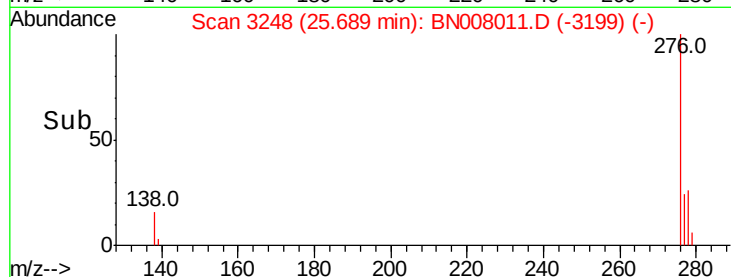
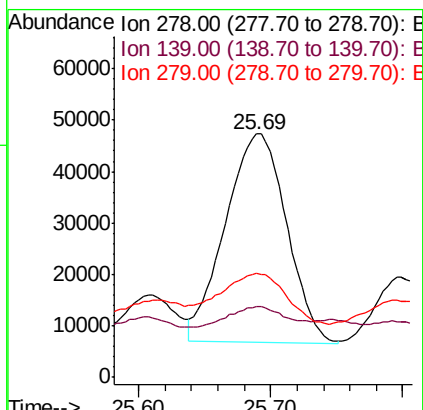
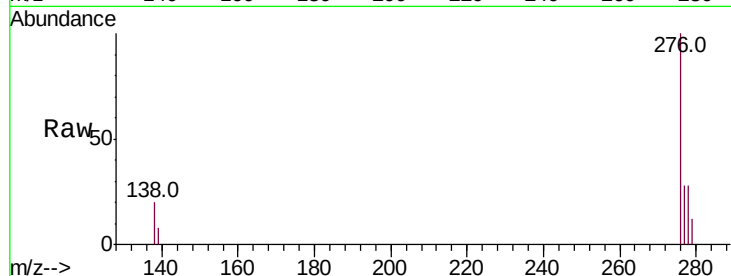
#38
Dibenzo(a,h)anthracene
Concen: 0.204 ng
RT: 25.69 min Scan# 3248
Delta R.T. -0.03 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.0	11.8	17.6#
279	42.6	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 8:45:29 AM



#39
Benzo(g,h,i)perylene
Concen: 0.814 ng
RT: 26.37 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BN008011.D
Acq: 04 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.8	29.8
138	19.6	15.1	22.7

