

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007972.D
 Acq On : 02 Oct 2019 19:05
 Operator : JU
 Sample : K5078-08DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW072-092619DL

Manual Integrations
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mohammad
 10/4/2019 8:16:35 AM

Quant Time: Oct 03 12:43:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	5858	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	24413	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	15802	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	34152	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	35927	0.40	ng	0.00
34) Perylene-d12	23.47	264	38765	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	1989	0.10	ng	0.00
5) Phenol-d6	6.87	99	2660	0.10	ng	0.00
8) Nitrobenzene-d5	8.82	82	2300	0.11	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	4698	0.11	ng	-0.01
14) 2,4,6-Tribromophenol	15.80	330	917	0.11	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	6466	0.10	ng	-0.02
25) Fluoranthene-d10	19.10	212	12310	0.11	ng	-0.01
29) Terphenyl-d14	19.70	244	10177	0.12	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.51	128	2996	0.044	ng	# 85
12) 2-Methylnaphthalene	12.13	142	2752	0.059	ng	# 94
16) Acenaphthylene	14.03	152	26907	0.321	ng	99
17) Acenaphthene	14.38	154	15776	0.292	ng	96
18) Fluorene	15.37	166	22905	0.331	ng	97
23) Phenanthrene	17.10	178	464105	4.362	ng	100
24) Anthracene	17.18	178	61578	0.641	ng	# 96
26) Fluoranthene	19.12	202	693226	5.240	ng	99
28) Pyrene	19.49	202	572065	4.669	ng	96
30) Benzo(a)anthracene	21.24	228	242772	1.835	ng	98
31) Chrysene	21.29	228	258151	2.002	ng	97
32) Bis(2-ethylhexyl)phthalate	21.19	149	21206	0.312	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.68	276	161235	0.999	ng	95
35) Benzo(b)fluoranthene	22.82	252	332457	2.470	ng	99
36) Benzo(k)fluoranthene	22.85	252	108189m	0.813	ng	
37) Benzo(a)pyrene	23.38	252	213557	1.689	ng	100
38) Dibenzo(a,h)anthracene	25.69	278	38054	0.294	ng	# 86
39) Benzo(g,h,i)perylene	26.36	276	159588	1.246	ng	100

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

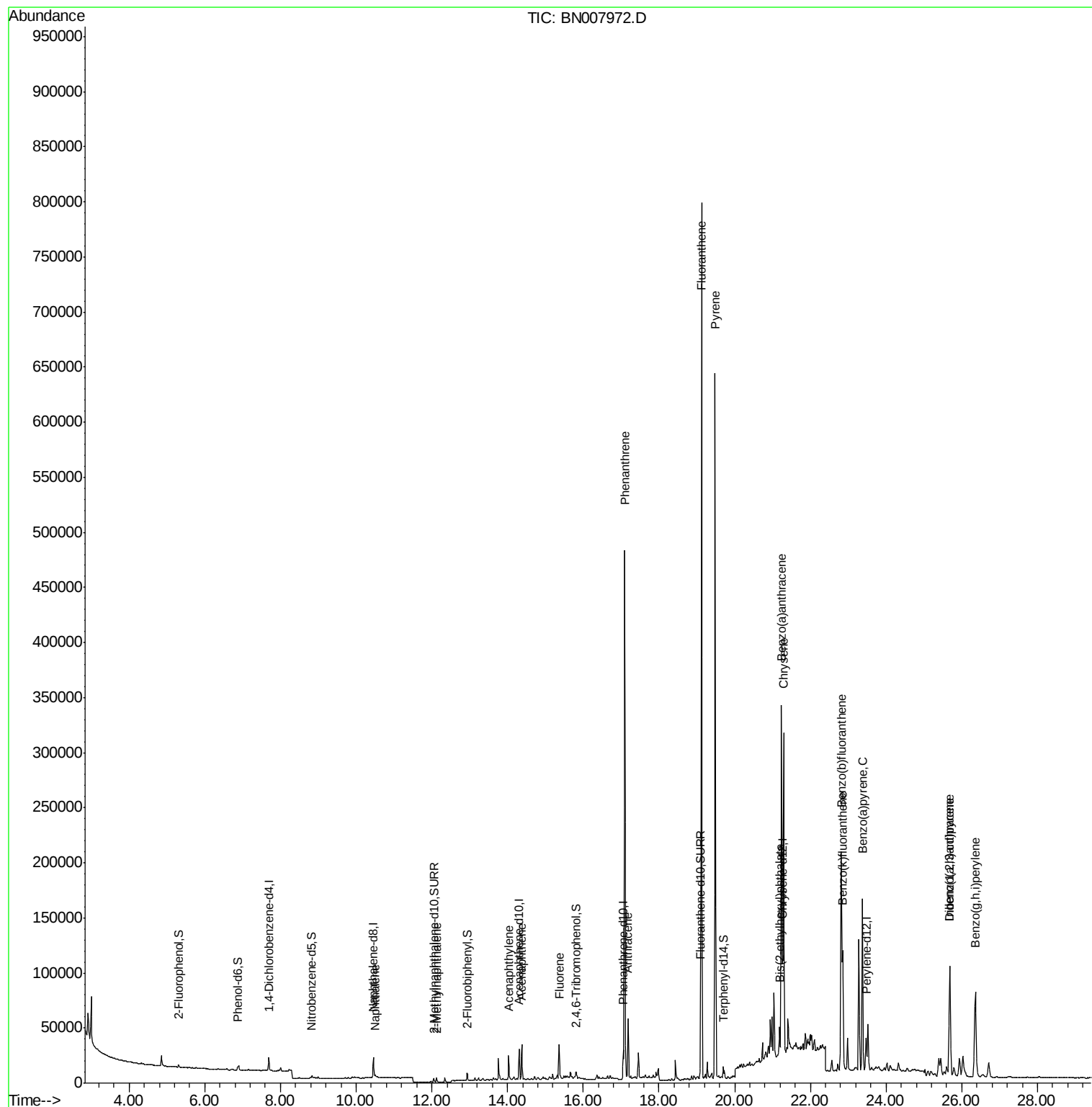
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
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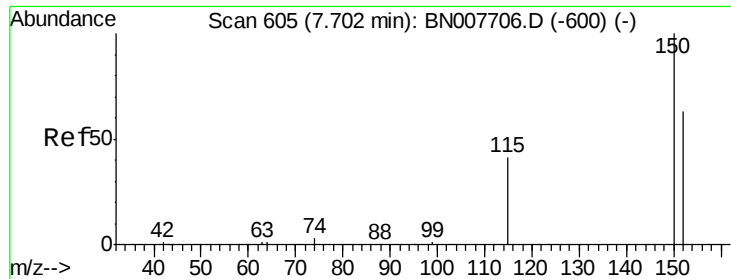
Instrument :
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EXT-024-SW072-092619DL

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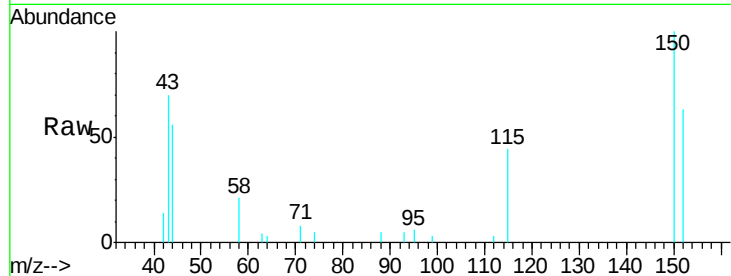




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

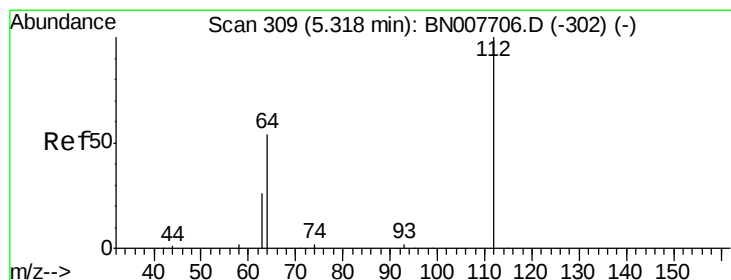
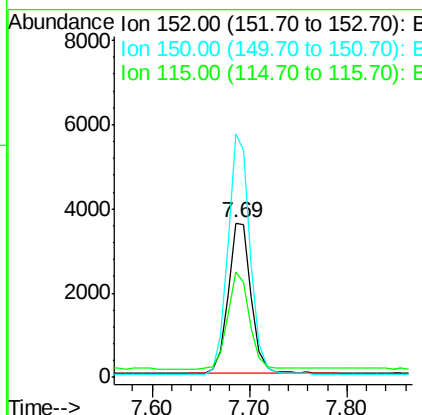
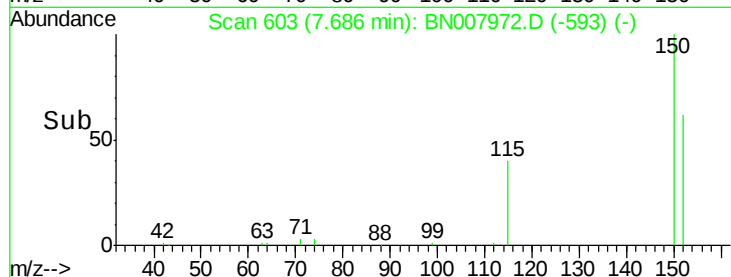
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW072-092619DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.6	188.4
115	68.6	53.3	79.9

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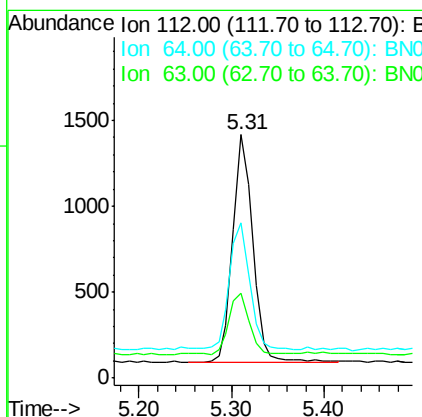
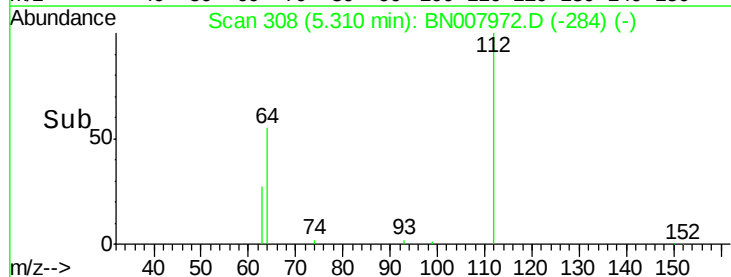
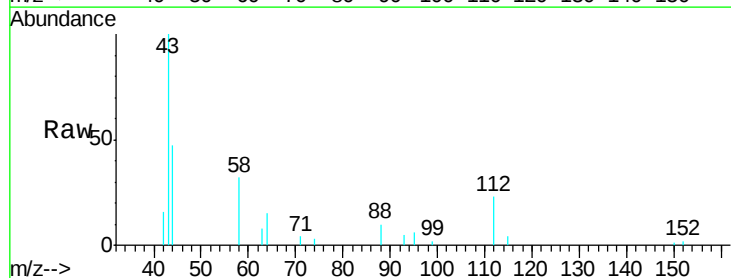
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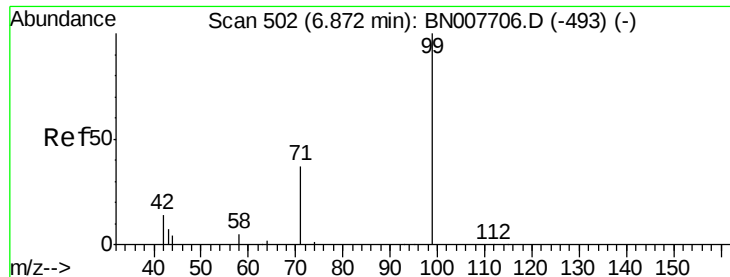


#4

2-Fluorophenol
Concen: 0.099 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.6	70.0
63	26.7	23.1	34.7





#5

Phenol-d6

Concen: 0.101 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Instrument :

BNA_N

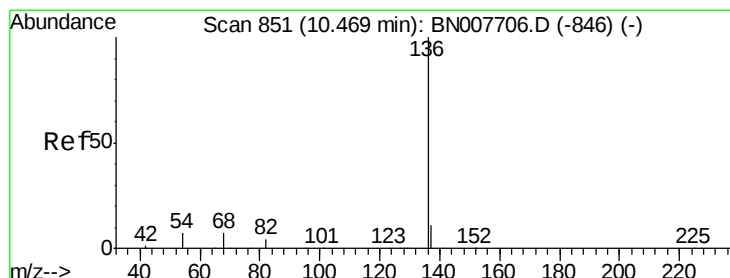
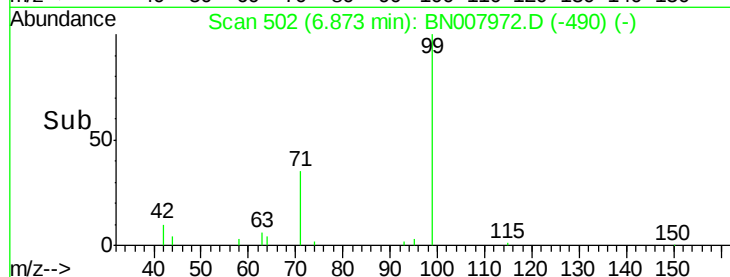
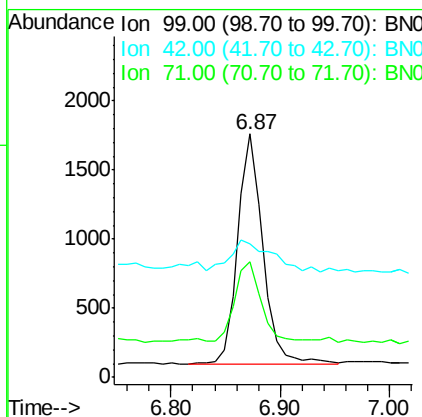
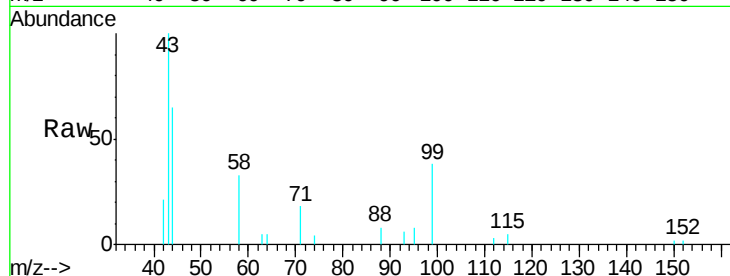
ClientSampleId :

EXT-024-SW072-092619DL

Tgt Ion:	99	Resp:	2660
Ion Ratio	Lower	Upper	
99	100		
42	22.1	12.8	19.2#
71	38.4	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

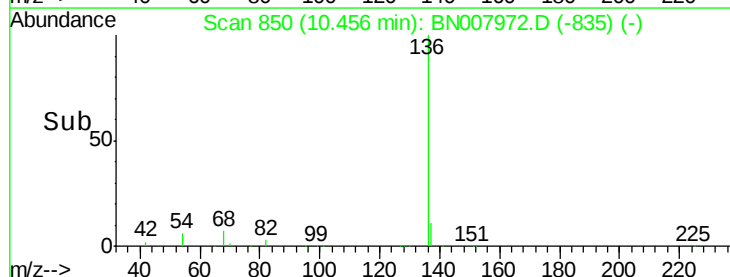
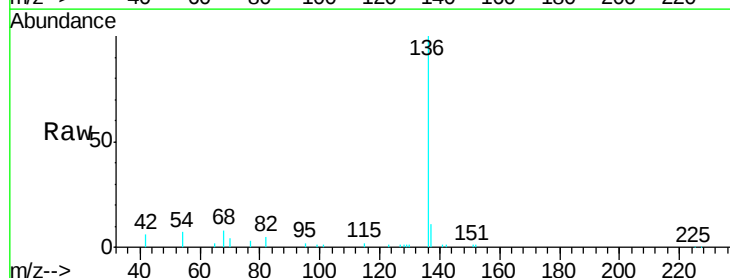
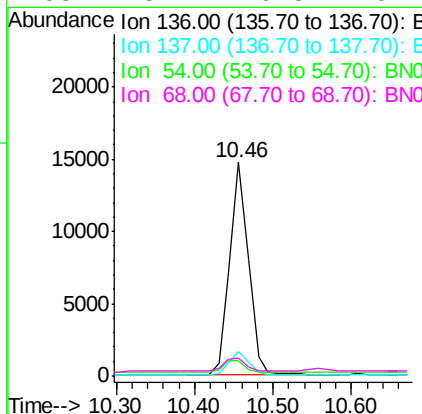
RT: 10.46 min Scan# 850

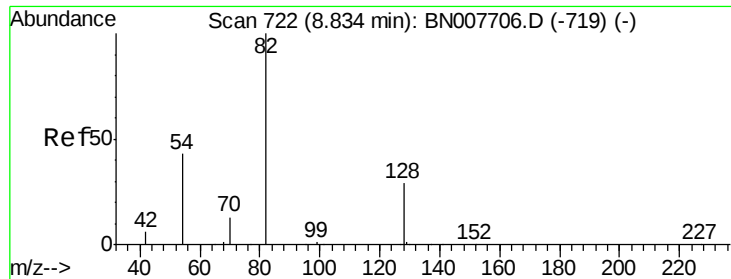
Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Tgt Ion:	136	Resp:	24413
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	7.1	5.8	8.8
68	8.4	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.108 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Instrument :

BNA_N

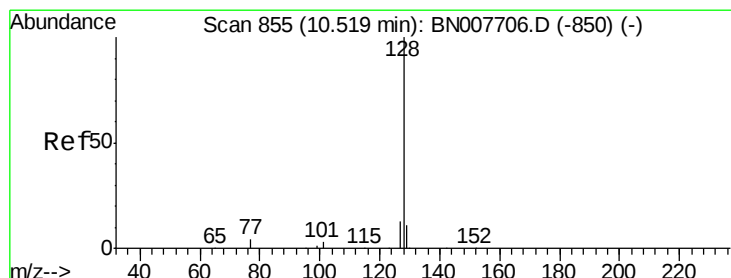
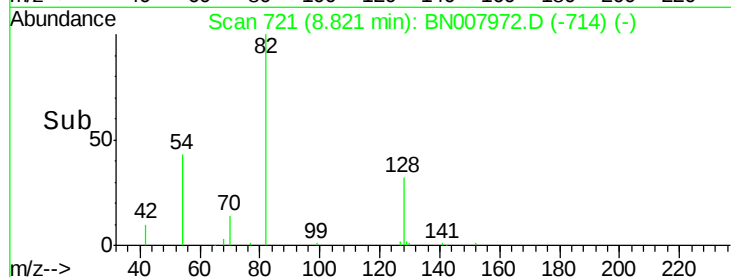
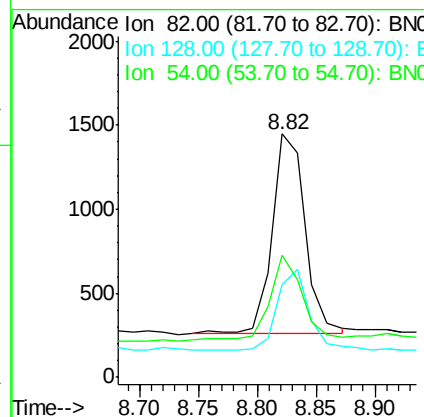
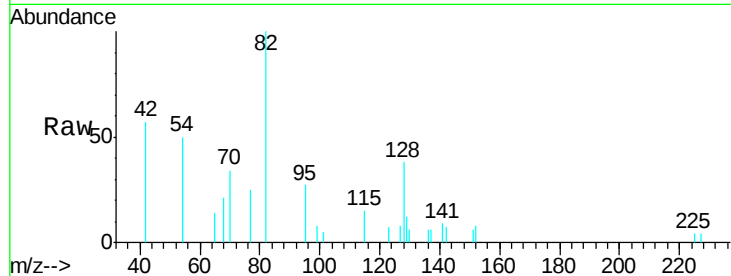
ClientSampleId :

EXT-024-SW072-092619DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	24.5	36.7#
54	50.1	35.2	52.8

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#9

Naphthalene

Concen: 0.044 ng

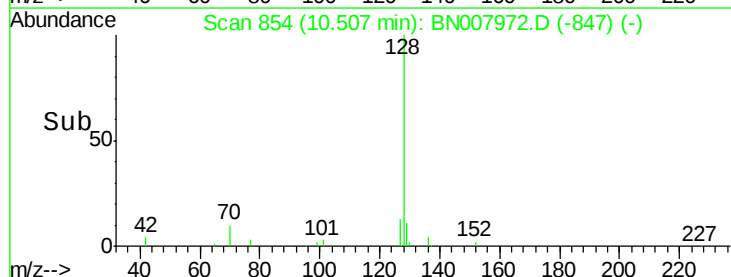
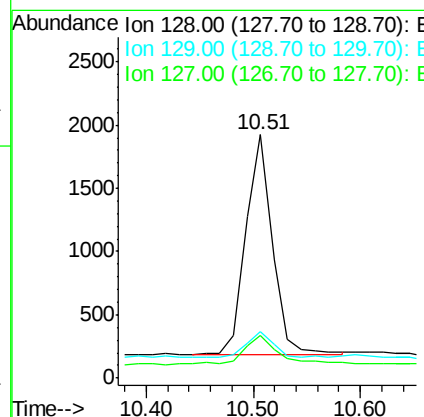
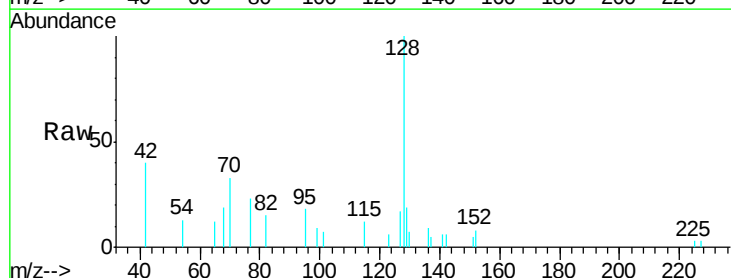
RT: 10.51 min Scan# 854

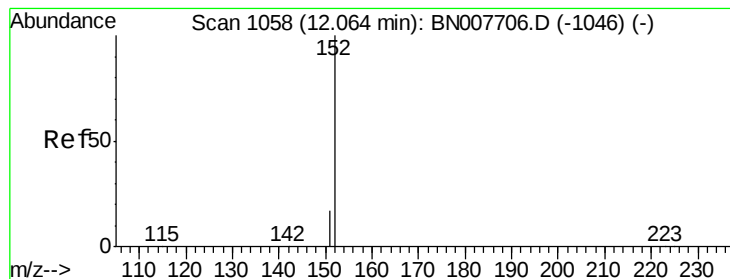
Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	18.9	9.1	13.7#
127	17.3	10.6	15.8#





#11

2-Methylnaphthalene-d10

Concen: 0.114 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Instrument :

BNA_N

ClientSampleId :

EXT-024-SW072-092619DL

Tgt Ion:152 Resp: 4698

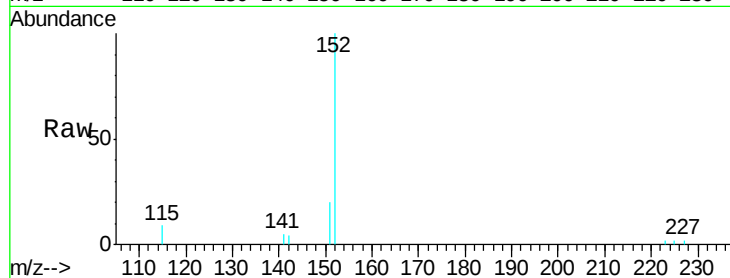
Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

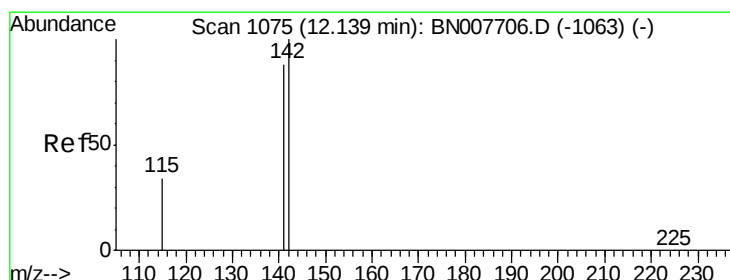
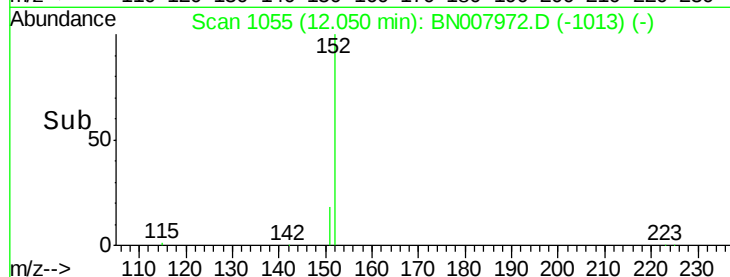
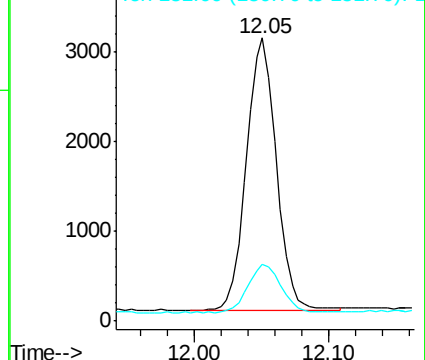
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.059 ng

RT: 12.13 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

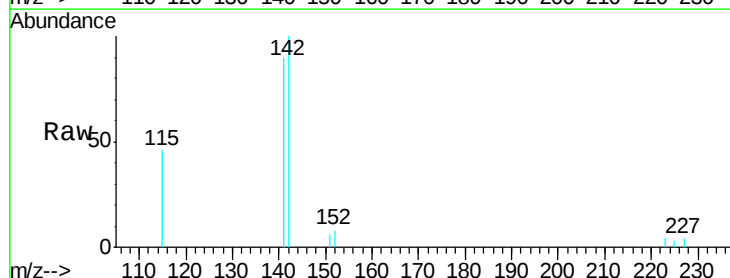
Tgt Ion:142 Resp: 2752

Ion Ratio Lower Upper

142 100

141 89.5 70.6 106.0

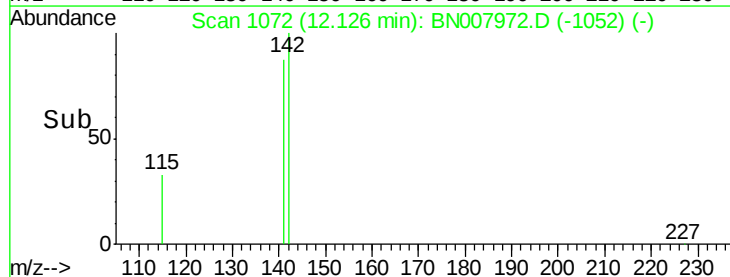
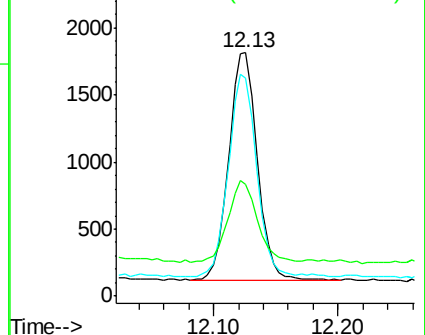
115 46.1 28.3 42.5#

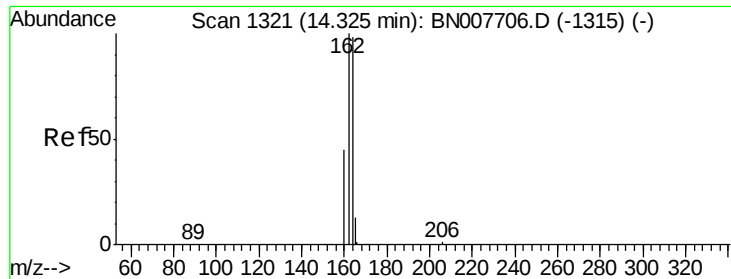


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





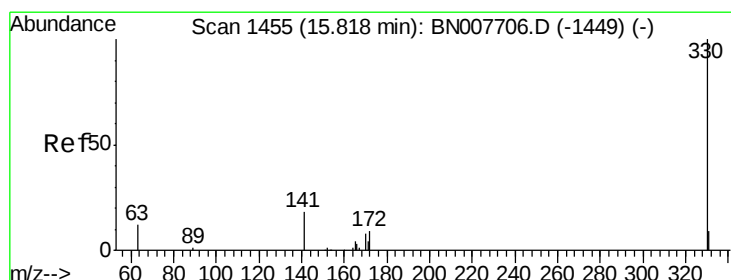
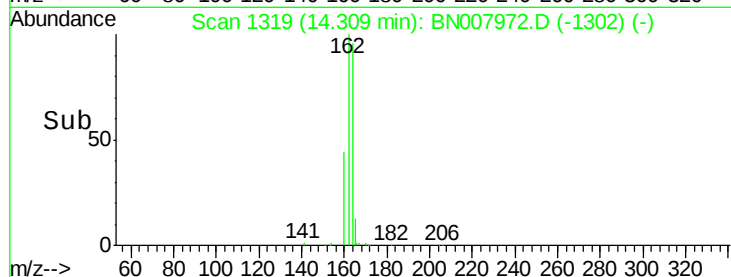
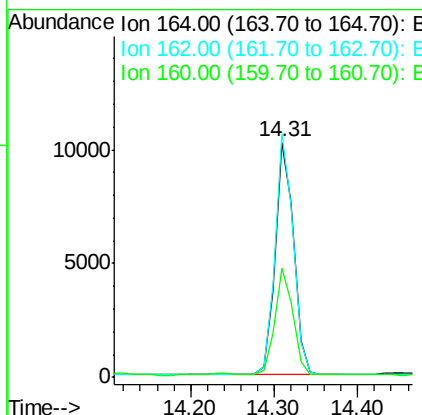
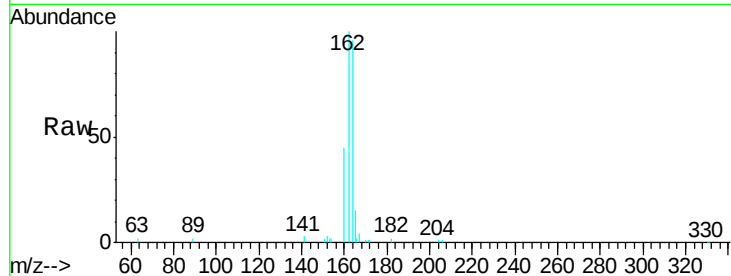
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Instrument :
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 EXT-024-SW072-092619DL

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.7	122.5
160	46.6	37.0	55.4

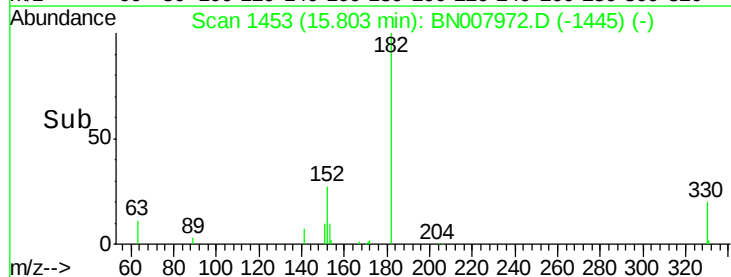
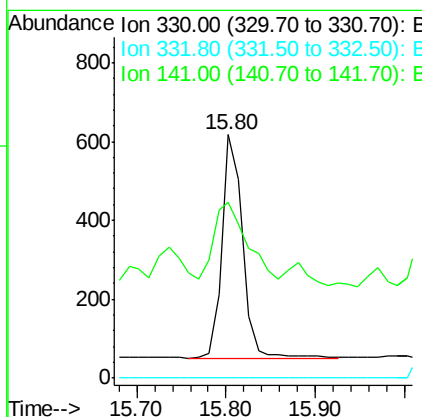
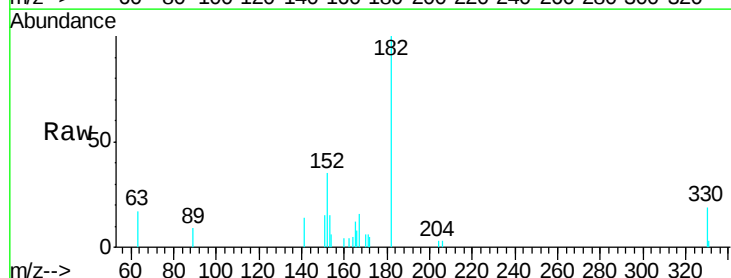
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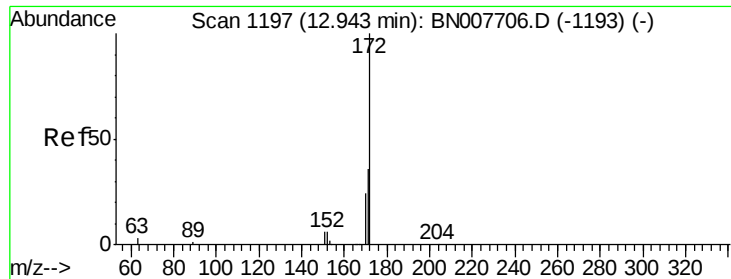
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#14
 2,4,6-Tribromophenol
 Concen: 0.107 ng
 RT: 15.80 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	56.7	28.7	43.1#





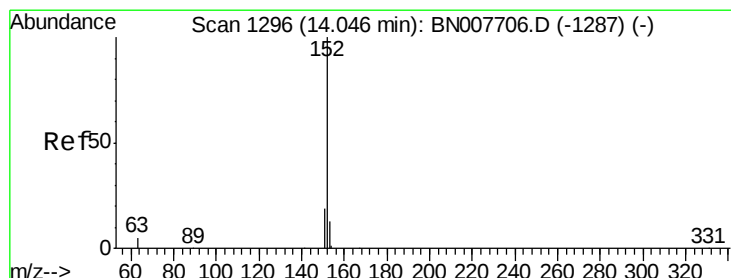
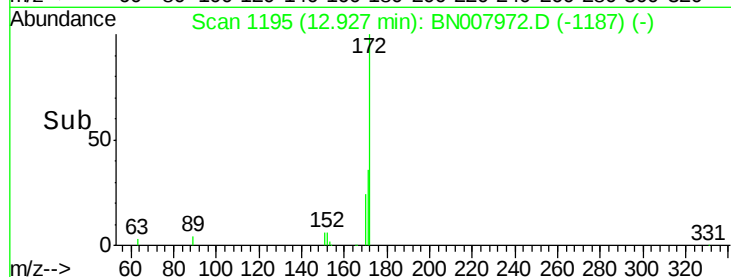
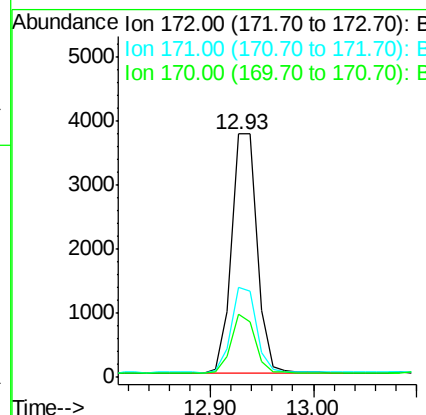
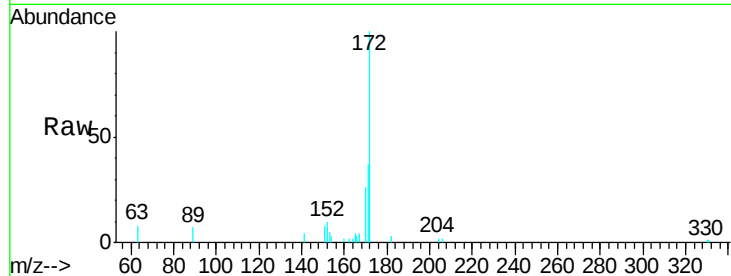
#15
2-Fluorobiphenyl
Concen: 0.099 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW072-092619DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.8	43.2
170	25.8	19.5	29.3

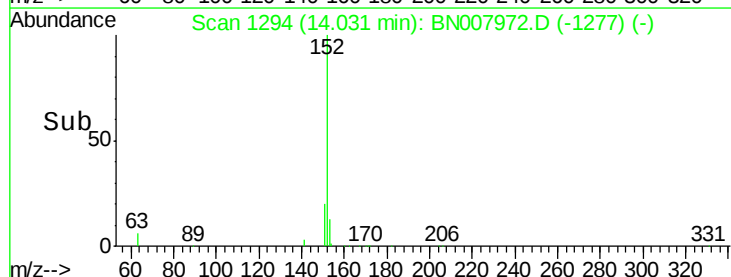
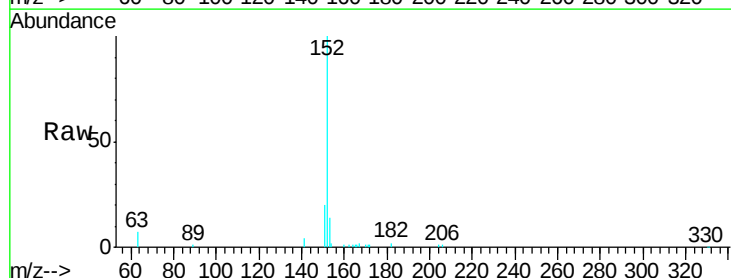
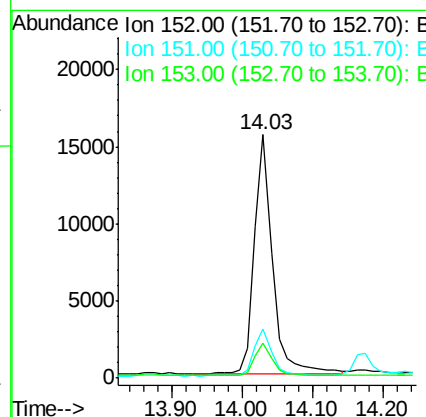
Manual Integrations
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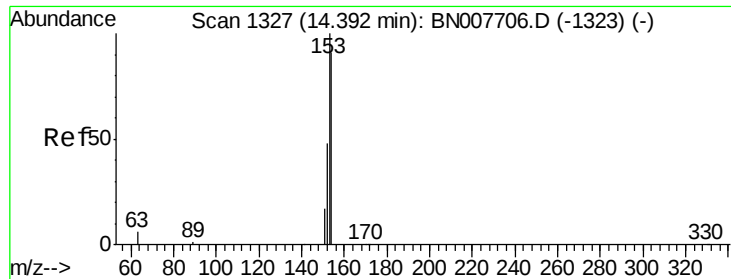
mohammad
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#16
Acenaphthylene
Concen: 0.321 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

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





#17

Acenaphthene

Concen: 0.292 ng

RT: 14.38 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007972.D

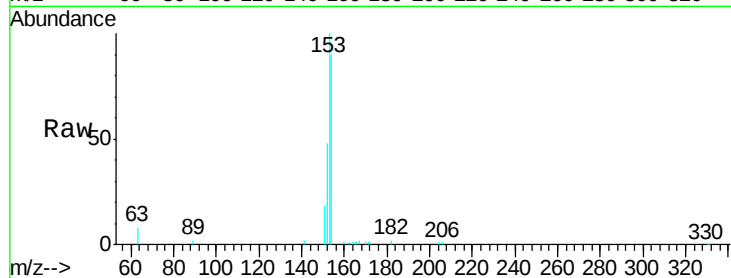
Acq: 02 Oct 2019 19:05

Instrument :

BNA_N

ClientSampleId :

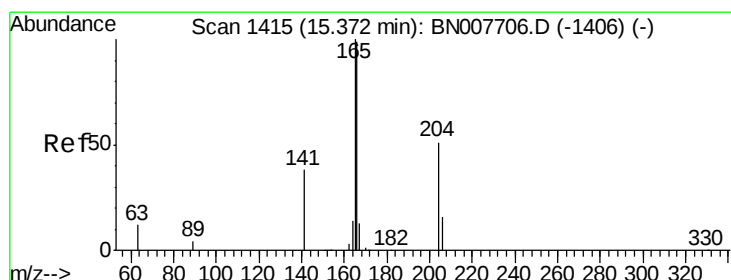
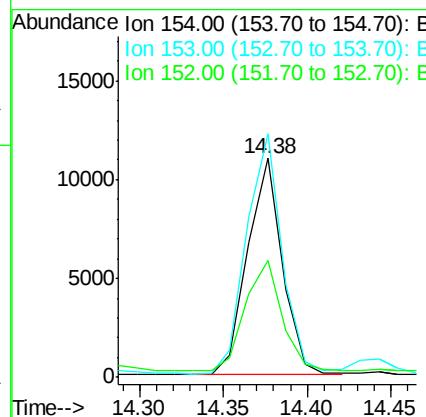
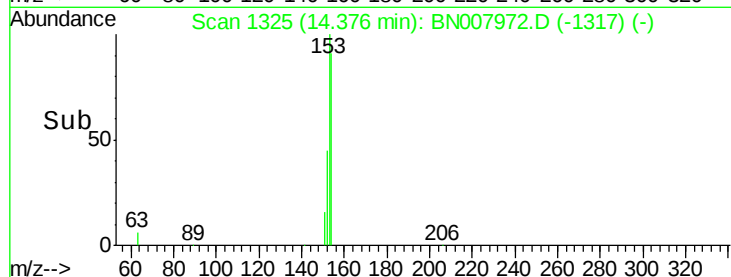
EXT-024-SW072-092619DL



Tgt Ion:	154	Resp:	15776
Ion Ratio	Lower	Upper	
154	100		
153	113.1	87.0	130.4
152	55.6	42.7	64.1

Manual Integrations
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#18

Fluorene

Concen: 0.331 ng

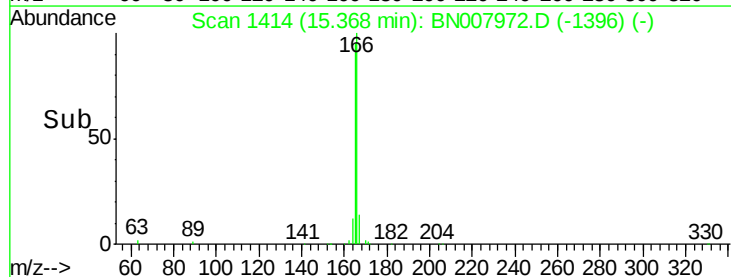
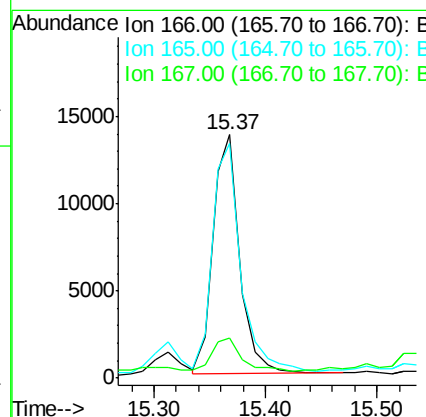
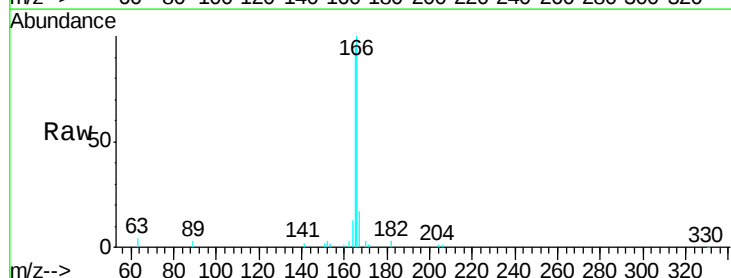
RT: 15.37 min Scan# 1414

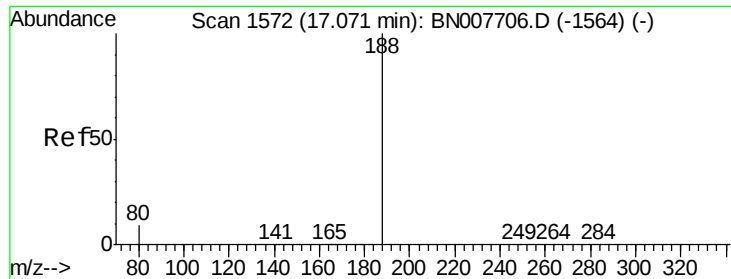
Delta R.T. -0.00 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Tgt Ion:	166	Resp:	22905
Ion Ratio	Lower	Upper	
166	100		
165	100.6	78.0	117.0
167	14.8	10.9	16.3





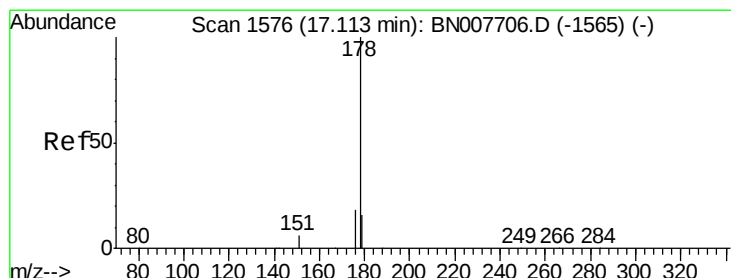
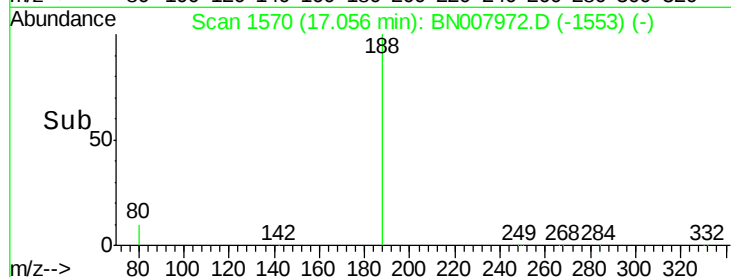
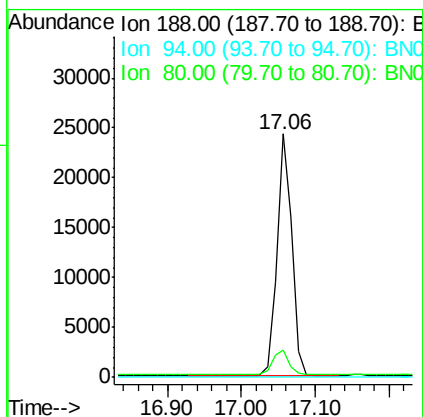
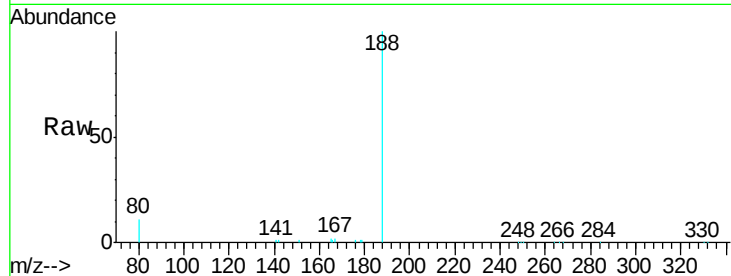
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW072-092619DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	11.5	7.4	11.2

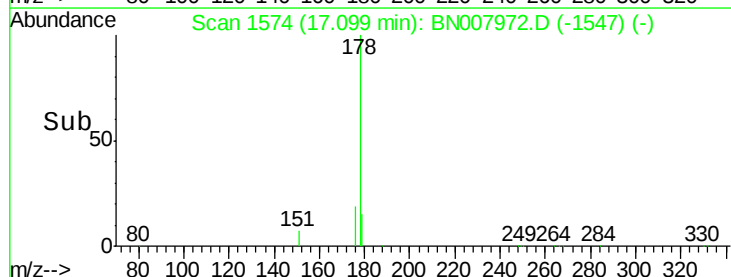
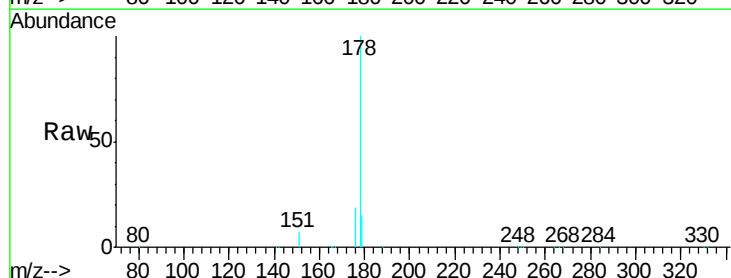
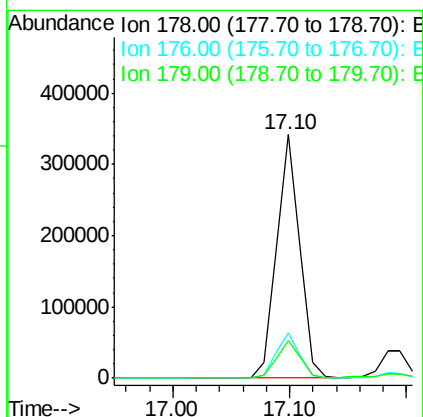
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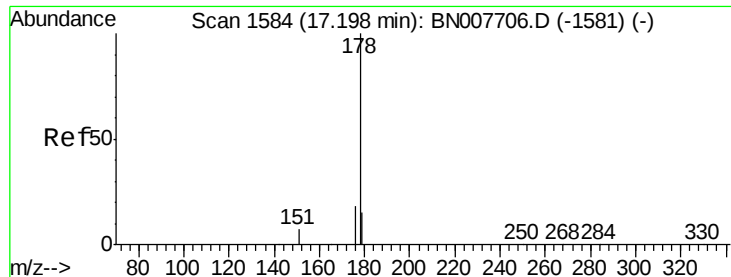
mohammad
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#23
Phenanthrene
Concen: 4.362 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	14.9	22.3
179	15.5	12.5	18.7





#24

Anthracene

Concen: 0.641 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Instrument :

BNA_N

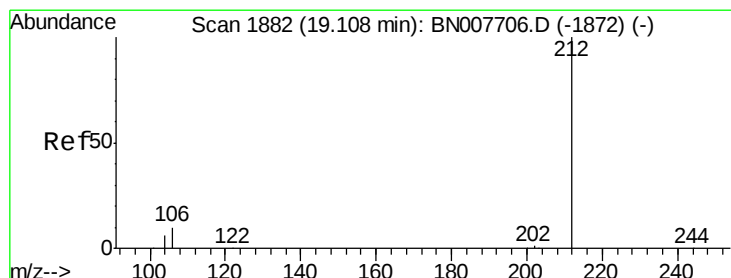
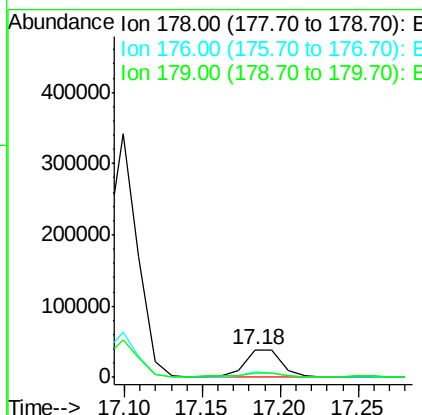
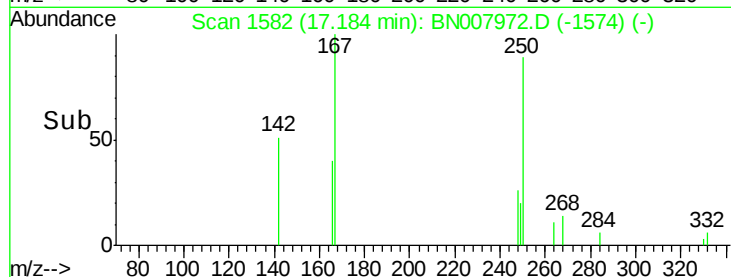
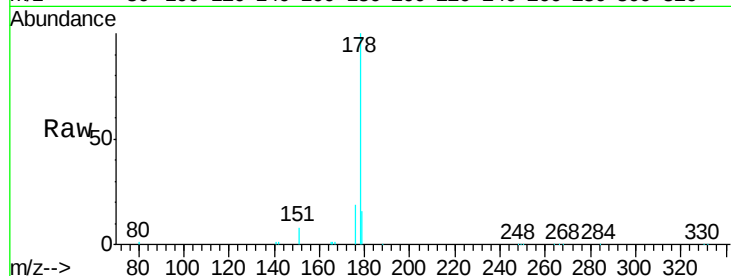
ClientSampleId :

EXT-024-SW072-092619DL

Tgt Ion:	178	Resp:	61578
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.6	21.8
179	18.6	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.107 ng

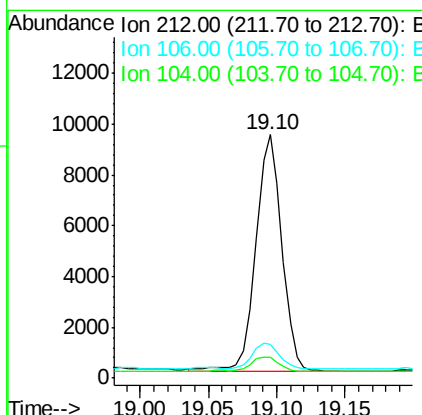
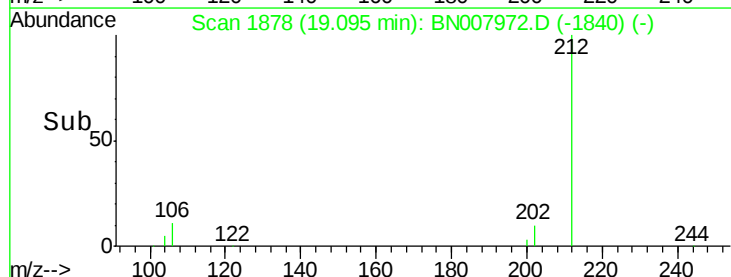
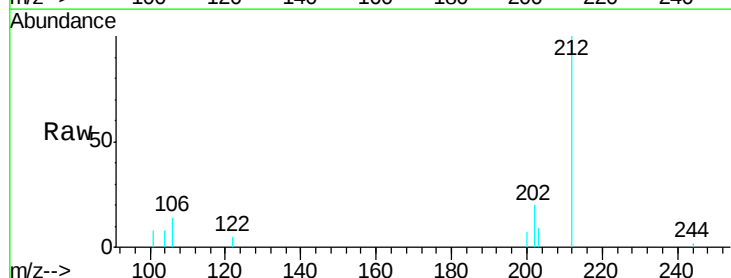
RT: 19.10 min Scan# 1878

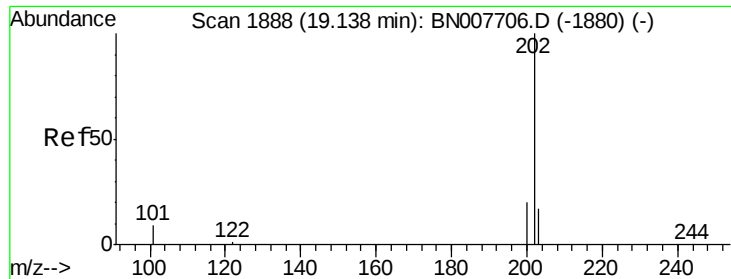
Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Tgt Ion:	212	Resp:	12310
Ion Ratio	Lower	Upper	
212	100		
106	11.5	9.4	14.0
104	7.1	5.3	7.9





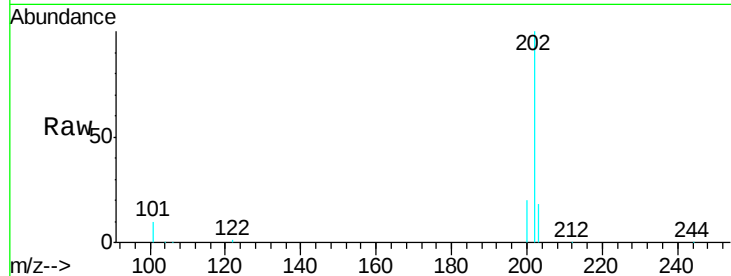
#26
Fluoranthene
 Concen: 5.240 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.01 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW072-092619DL

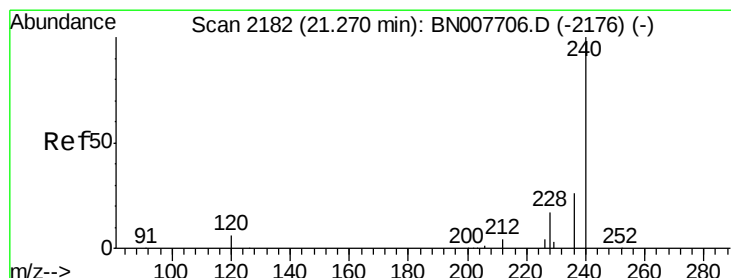
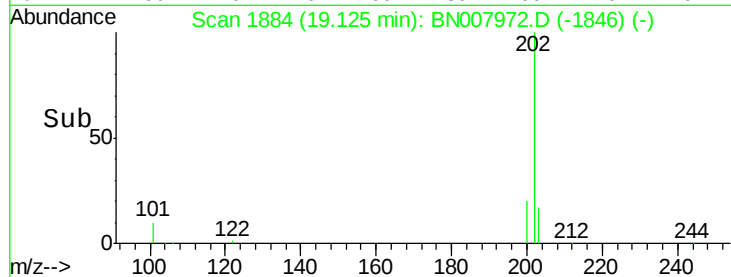
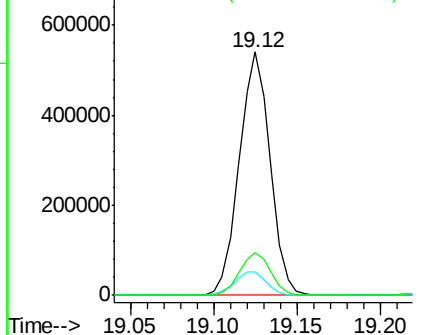
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.2	8.4	12.6
203	17.5	13.8	20.8

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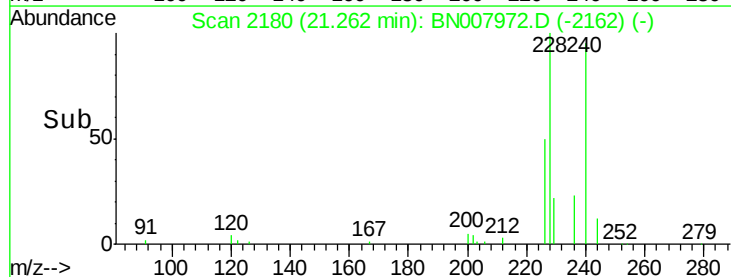
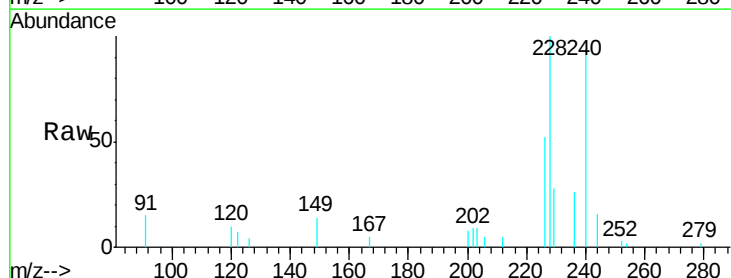
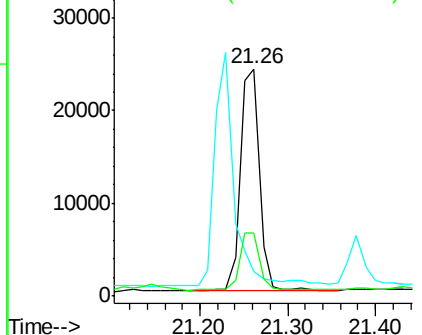
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

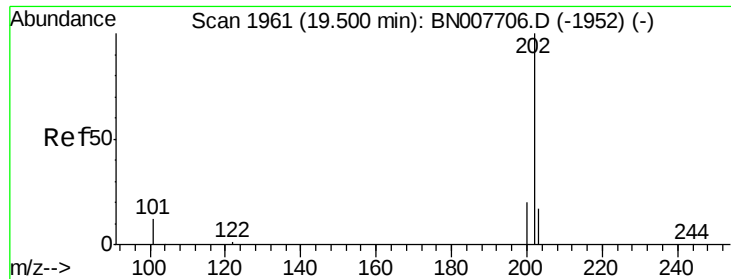


#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.1	5.4	8.2#
236	27.6	21.0	31.4

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





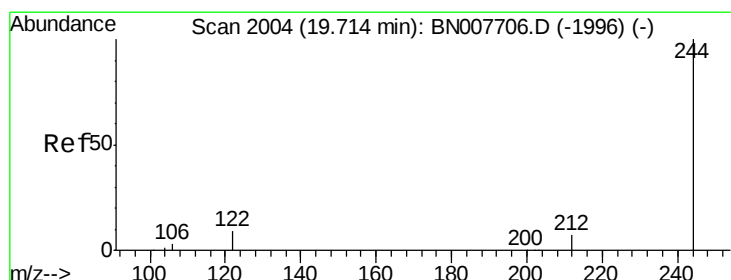
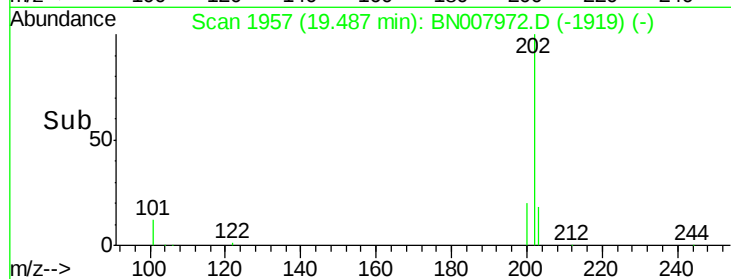
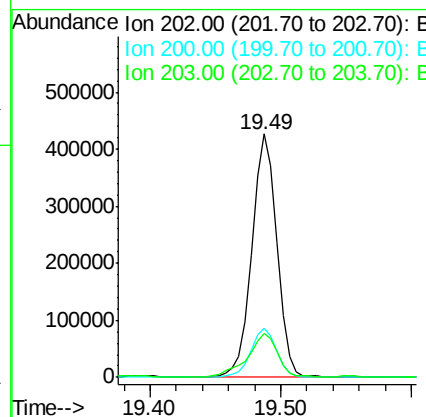
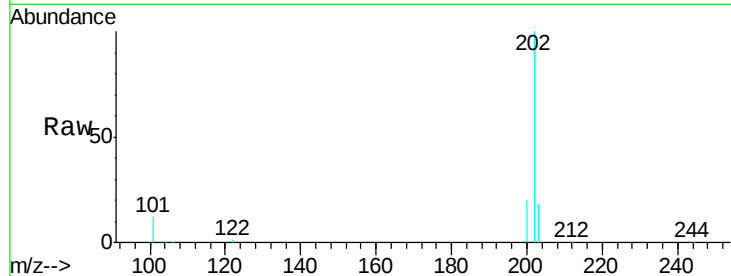
#28
Pyrene
Concen: 4.669 ng
RT: 19.49 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW072-092619DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	16.4	24.6
203	21.1	14.1	21.1

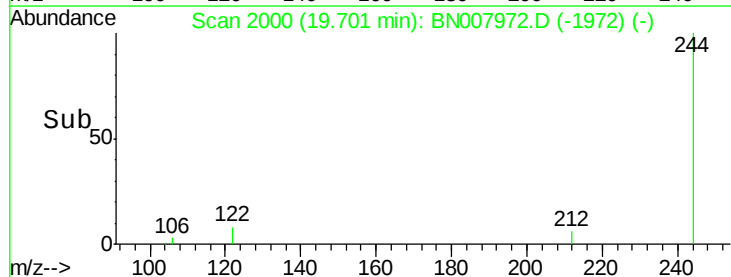
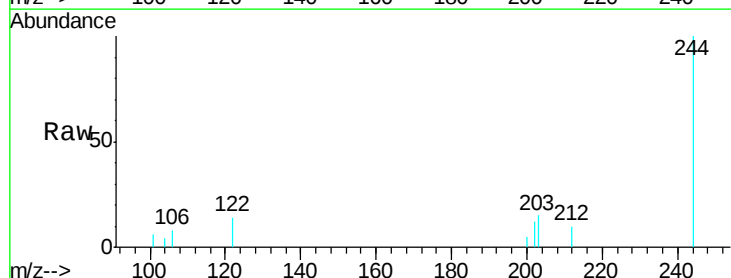
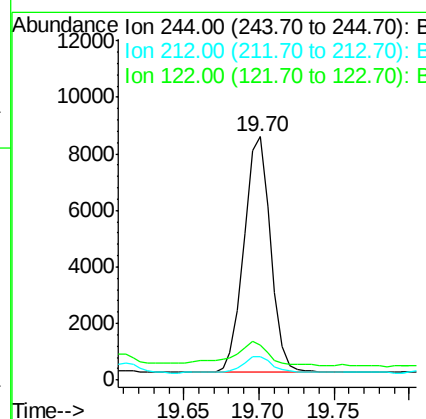
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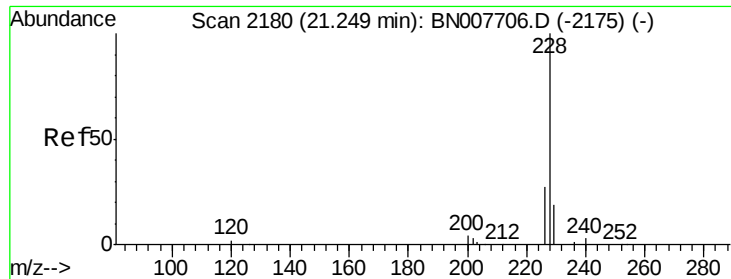
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#29
Terphenyl-d14
Concen: 0.115 ng
RT: 19.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.8	5.9	8.9#
122	14.2	7.4	11.2#





#30

Benzo(a)anthracene

Concen: 1.835 ng

RT: 21.24 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Instrument :

BNA_N

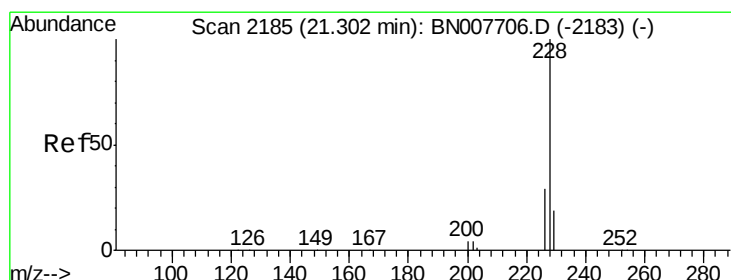
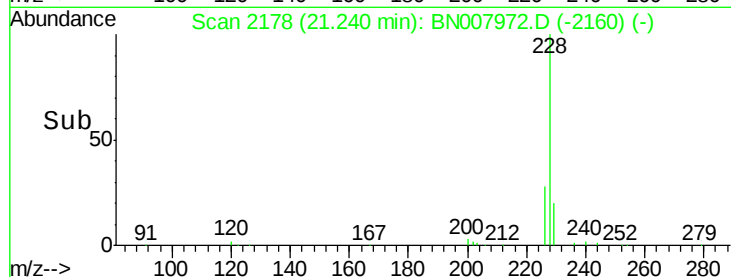
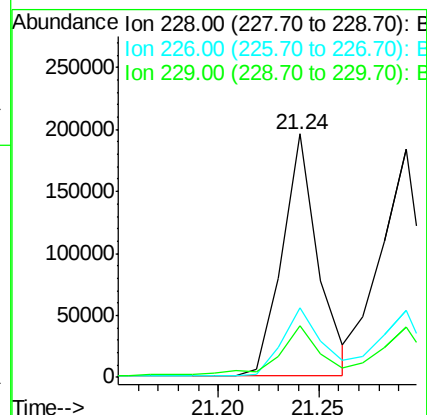
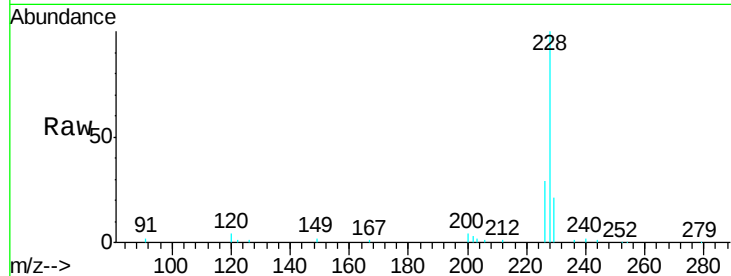
ClientSampleId :

EXT-024-SW072-092619DL

Tgt Ion:	228	Resp:	242772
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.1	33.1
229	21.0	15.8	23.6

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#31

Chrysene

Concen: 2.002 ng

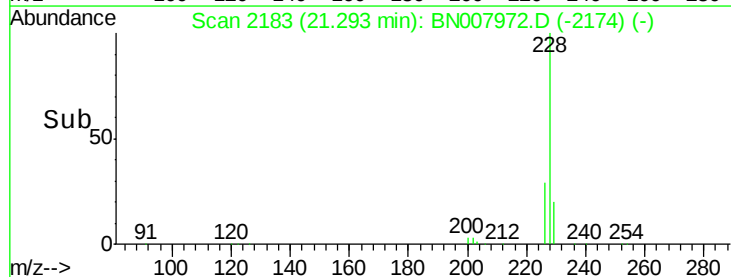
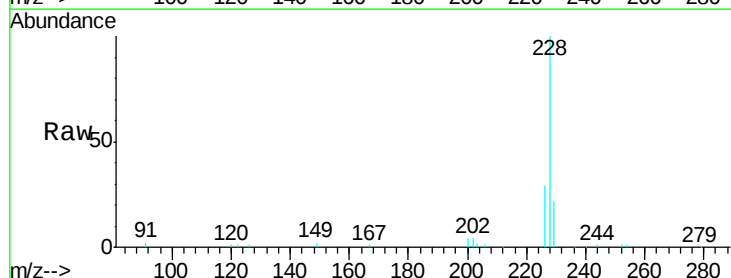
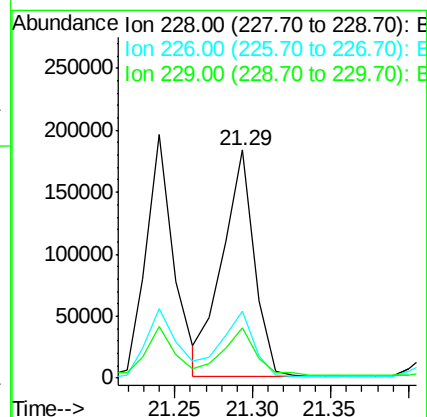
RT: 21.29 min Scan# 2183

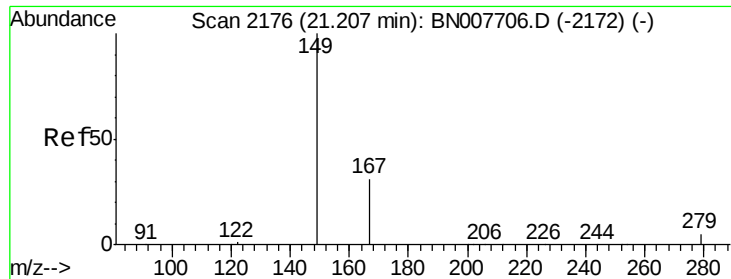
Delta R.T. -0.01 min

Lab File: BN007972.D

Acq: 02 Oct 2019 19:05

Tgt Ion:	228	Resp:	258151
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.9	35.9
229	22.1	15.8	23.6





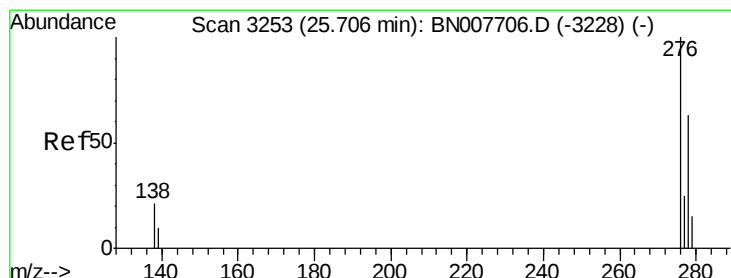
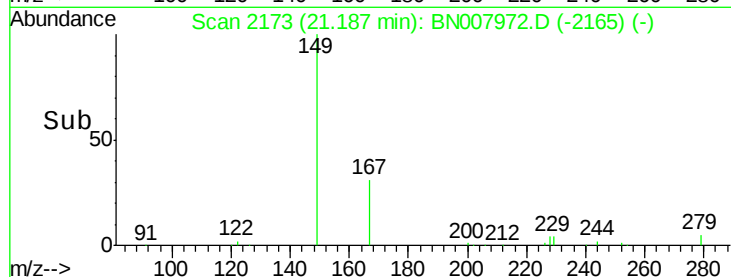
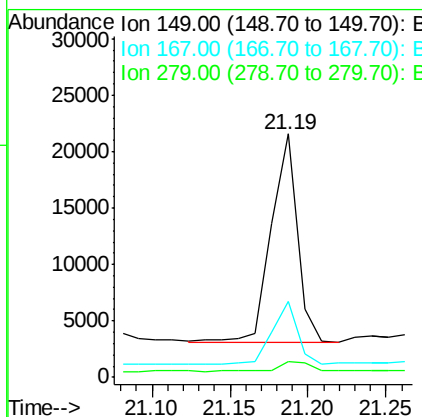
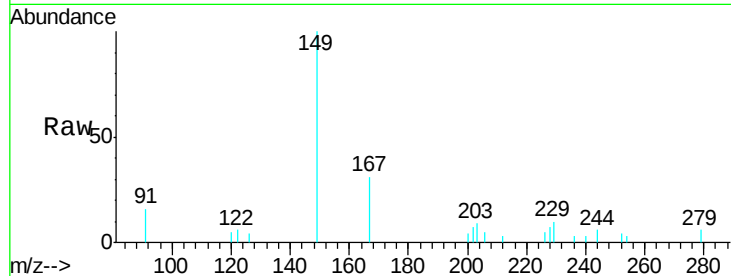
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.312 ng
 RT: 21.19 min Scan# 2173
 Delta R.T. -0.02 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW072-092619DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	30.4	23.7	35.5
279	6.3	4.2	6.2

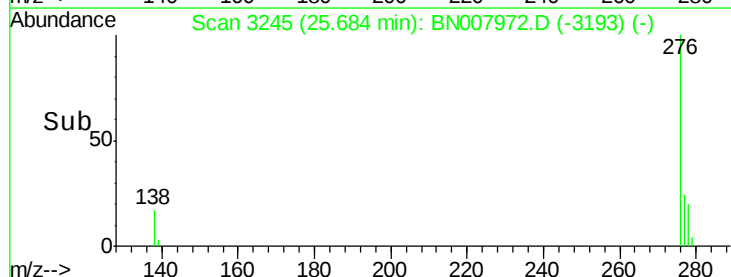
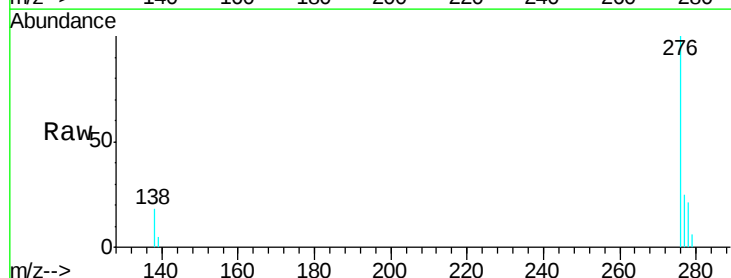
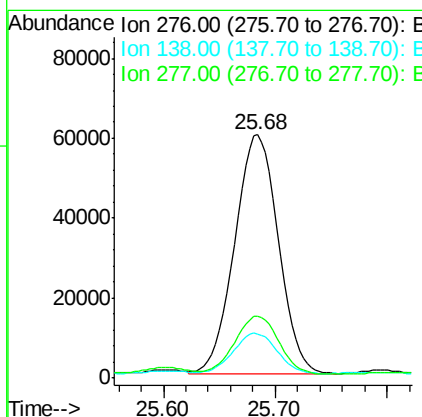
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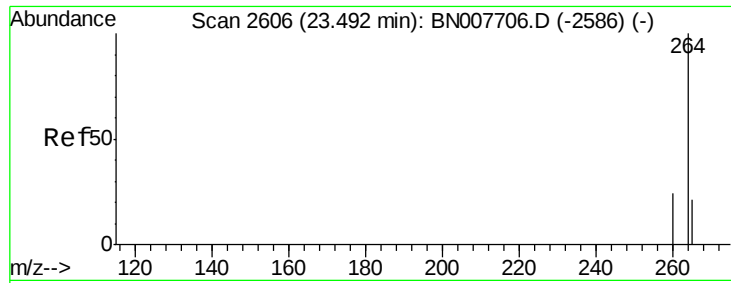
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.999 ng
 RT: 25.68 min Scan# 3245
 Delta R.T. -0.02 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	17.2	17.1	25.7
277	24.6	20.0	30.0





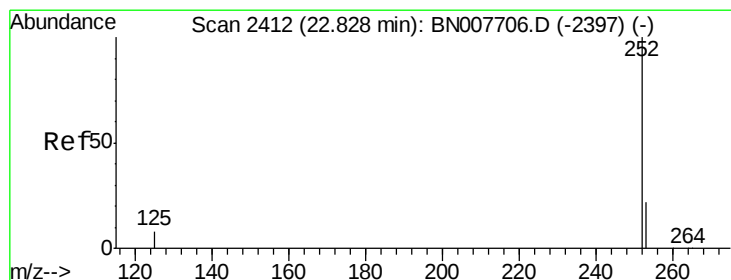
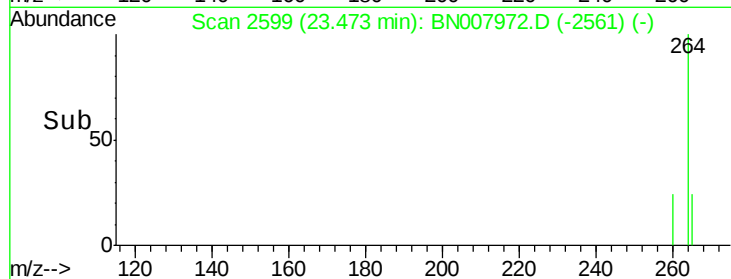
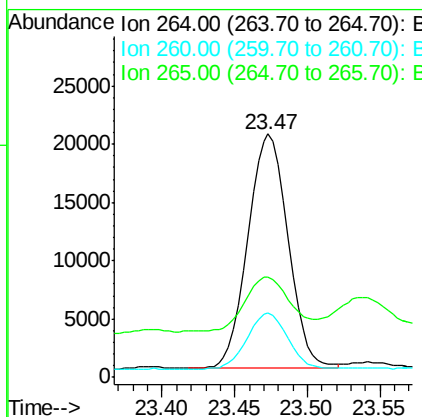
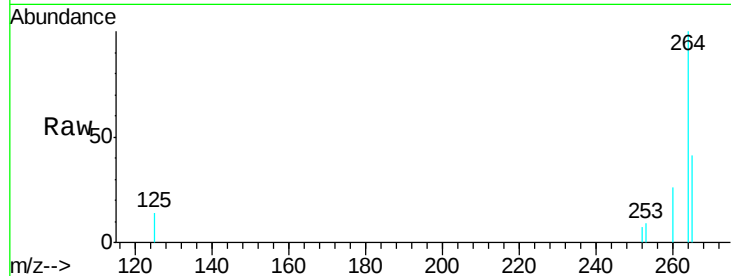
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2599
 Delta R.T. -0.02 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW072-092619DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.3	19.3	28.9
265	41.2	26.9	40.3

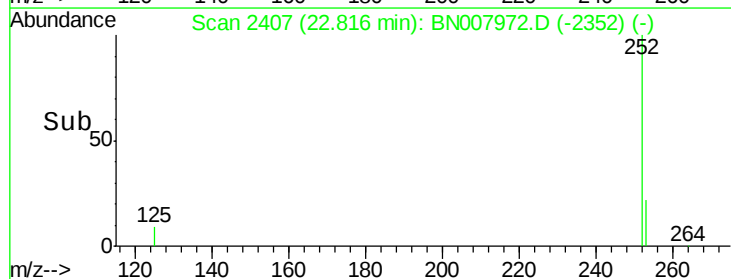
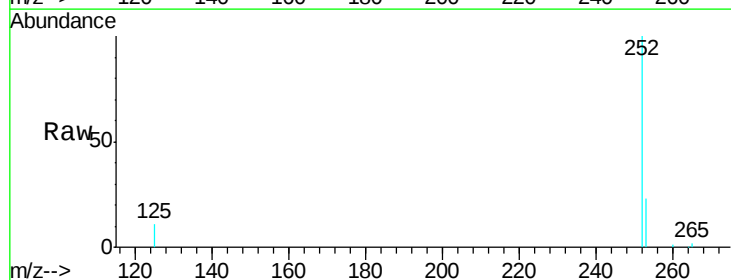
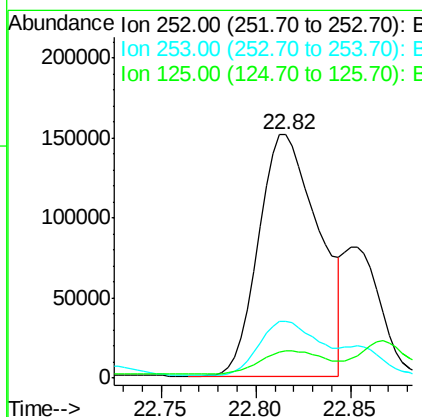
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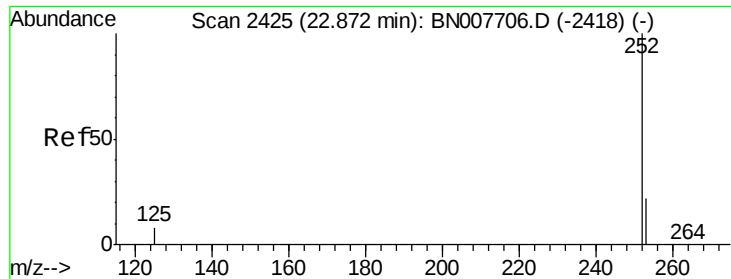
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#35
 Benzo(b)fluoranthene
 Concen: 2.470 ng
 RT: 22.82 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.4	18.3	27.5
125	11.1	8.2	12.4





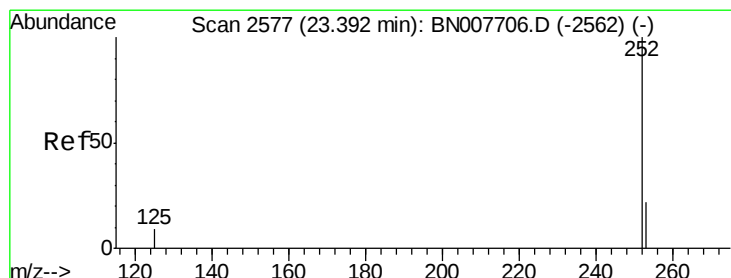
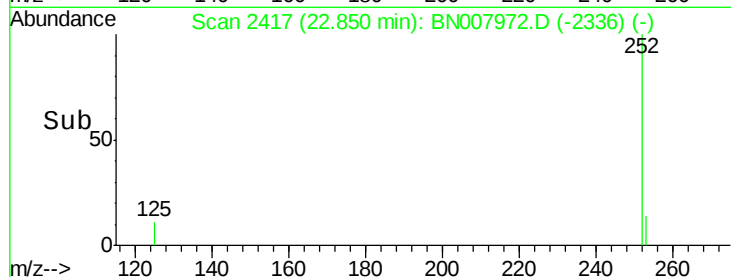
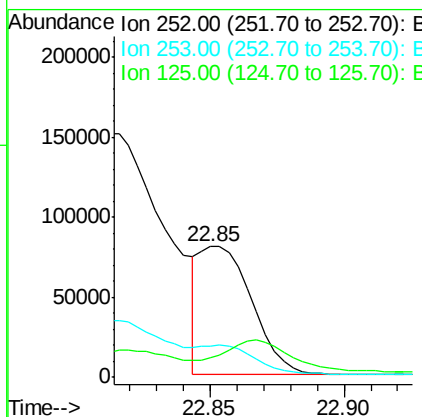
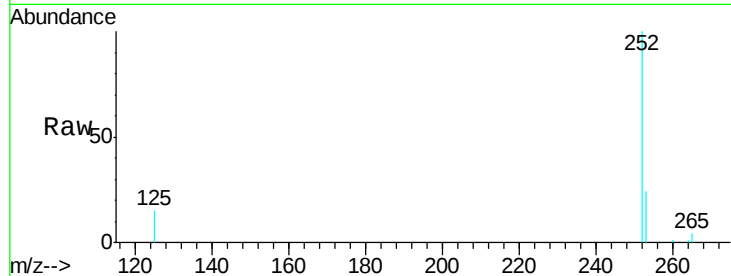
#36
Benzo(k)fluoranthene
Concen: 0.813 ng m
RT: 22.85 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW072-092619DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	14.8	8.4	12.6

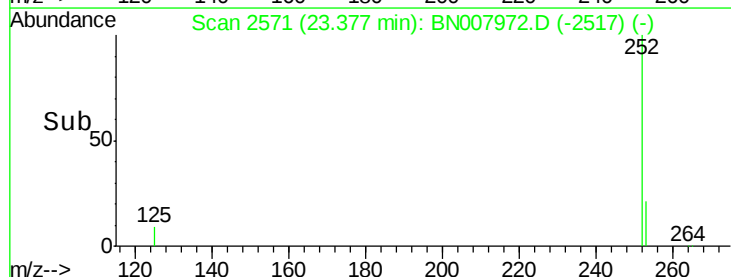
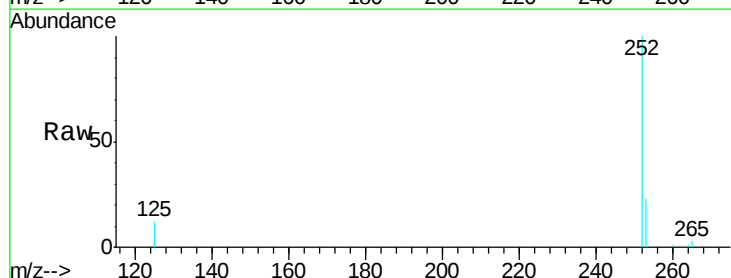
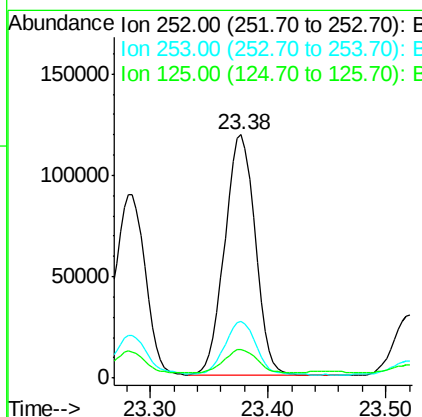
Manual Integrations
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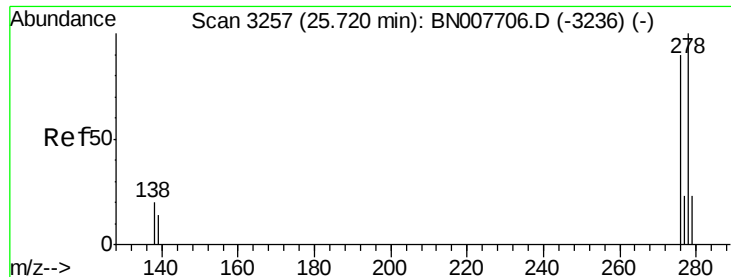
mohammad
10/4/2019 8:16:35 AM



#37
Benzo(a)pyrene
Concen: 1.689 ng
RT: 23.38 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN007972.D
Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	11.8	9.4	14.0





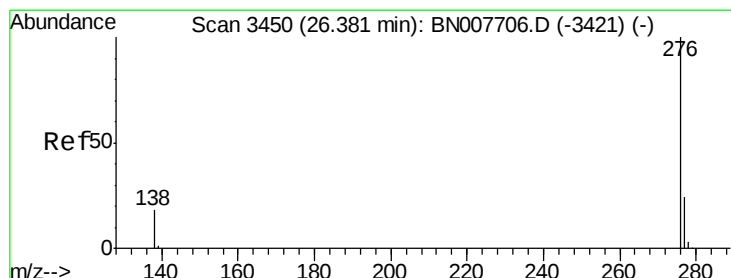
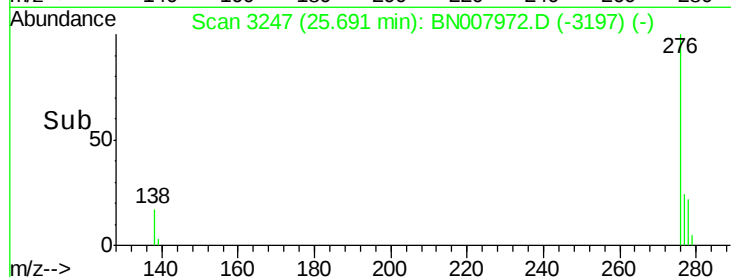
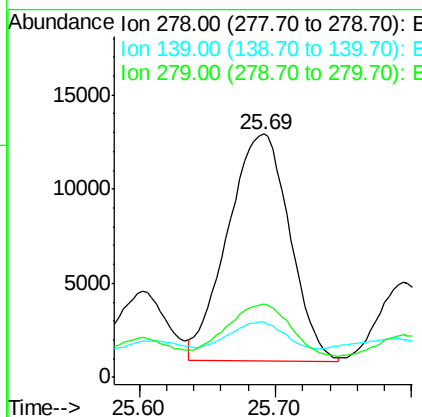
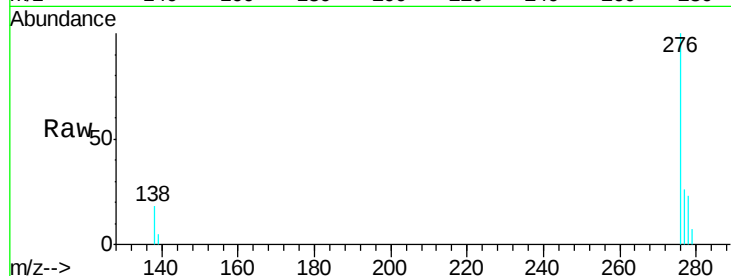
#38
 Dibenzo(a,h)anthracene
 Concen: 0.294 ng
 RT: 25.69 min Scan# 3247
 Delta R.T. -0.03 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW072-092619DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.5	11.8	17.6#
279	30.1	19.4	29.2#

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:16:35 AM



#39
 Benzo(g,h,i)perylene
 Concen: 1.246 ng
 RT: 26.36 min Scan# 3442
 Delta R.T. -0.02 min
 Lab File: BN007972.D
 Acq: 02 Oct 2019 19:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	18.9	15.1	22.7

