

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008036.D
 Acq On : 05 Oct 2019 21:13
 Operator : JU
 Sample : K5078-10 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW074-092519

Manual Integrations
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mohammad
 10/7/2019 4:40:05 PM

Quant Time: Oct 07 07:05:00 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	4607	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	18689	0.40	ng	-0.03
13) Acenaphthene-d10	14.31	164	11801	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	23924	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	24750	0.40	ng	-0.02
34) Perylene-d12	23.47	264	28289	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	592	0.04	ng	-0.02
5) Phenol-d6	6.88	99	704	0.03	ng	0.00
8) Nitrobenzene-d5	8.82	82	693	0.04	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1229	0.04	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	308	0.05	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	1731	0.04	ng	-0.02
25) Fluoranthene-d10	19.09	212	2858	0.04	ng	-0.02
29) Terphenyl-d14	19.69	244	2998	0.05	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	3511	0.067	ng	# 87
12) 2-Methylnaphthalene	12.12	142	2111	0.060	ng	# 91
16) Acenaphthylene	14.02	152	38960	0.622	ng	100
17) Acenaphthene	14.37	154	10703	0.265	ng	95
18) Fluorene	15.36	166	19145	0.370	ng	97
23) Phenanthrene	17.10	178	430808	5.781	ng	100
24) Anthracene	17.18	178	63367	0.941	ng	# 94
26) Fluoranthene	19.12	202	756909	8.168	ng	99
28) Pyrene	19.48	202	619217	7.336	ng	# 96
30) Benzo(a)anthracene	21.23	228	308683	3.387	ng	98
31) Chrysene	21.28	228	309591	3.485	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	41520	0.886	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	236178	2.124	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	448183	4.563	ng	99
36) Benzo(k)fluoranthene	22.85	252	158891m	1.636	ng	
37) Benzo(a)pyrene	23.37	252	289601	3.138	ng	99
38) Dibenzo(a,h)anthracene	25.68	278	55835	0.591	ng	# 85
39) Benzo(g,h,i)perylene	26.36	276	229571	2.457	ng	99

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

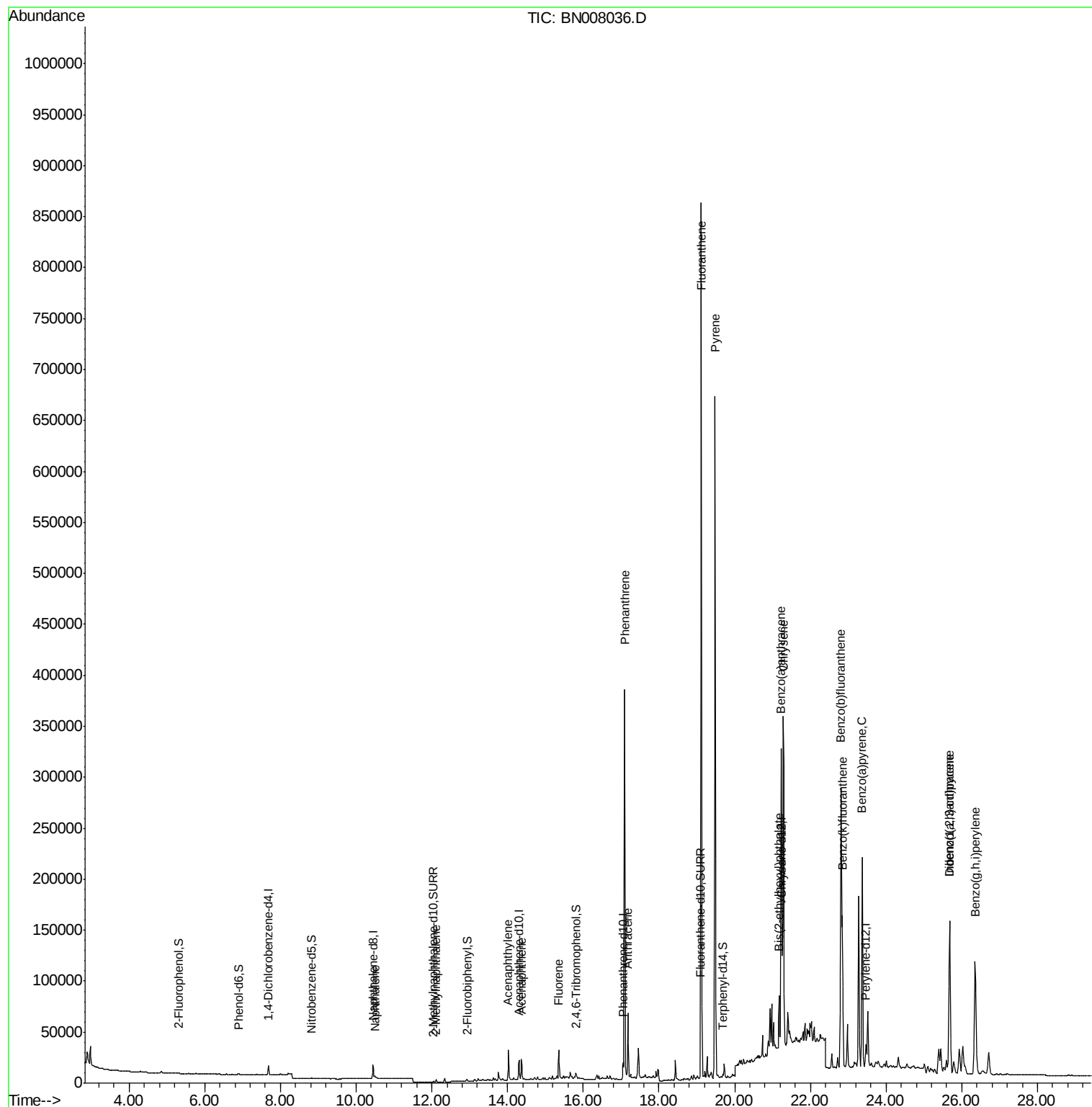
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

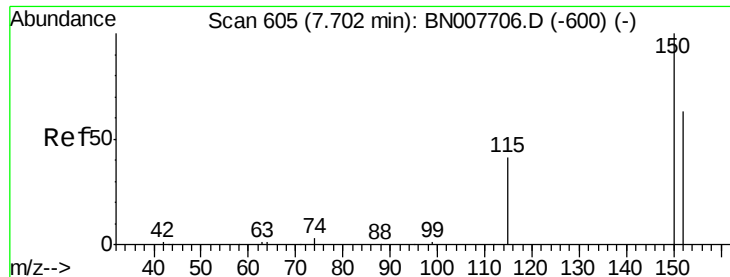
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

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Quant Time: Oct 07 07:05:00 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

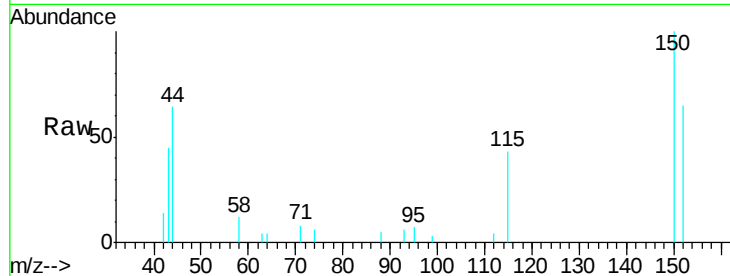




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

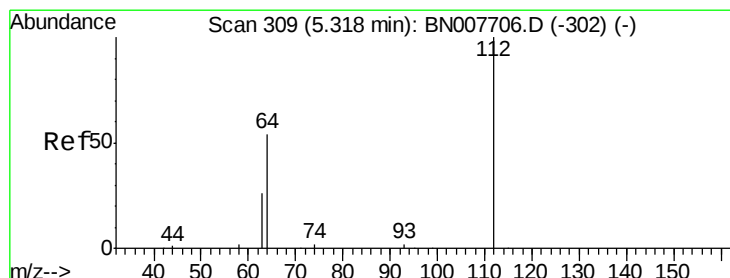
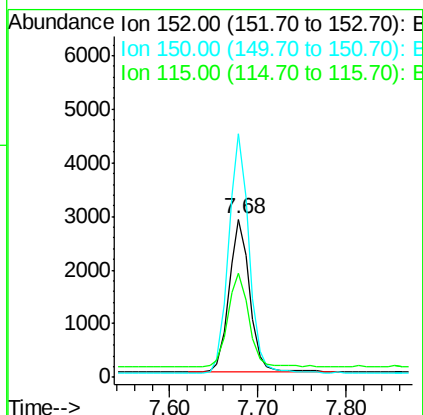
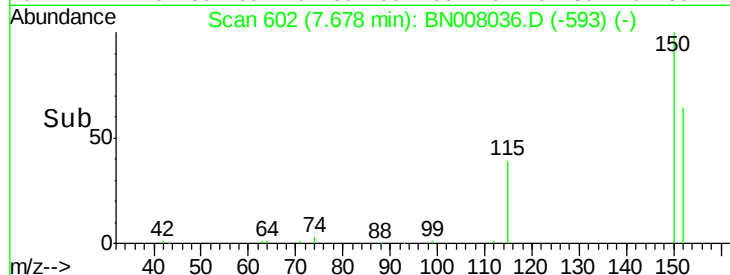
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519



Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.6	188.4
115	65.9	53.3	79.9

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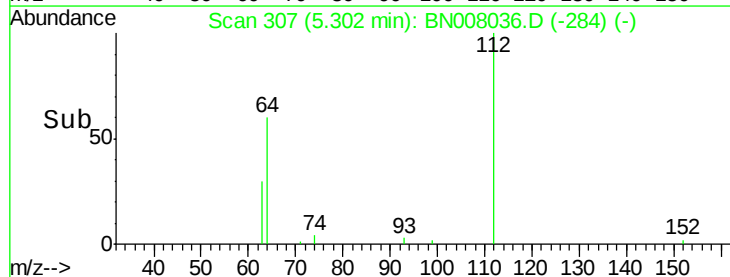
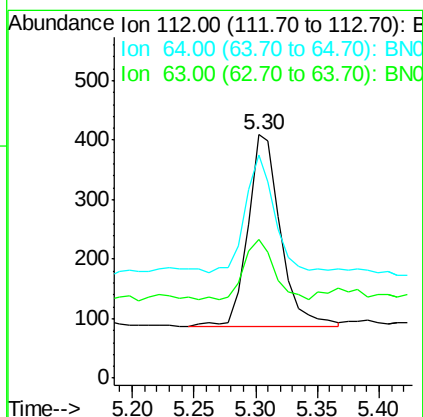
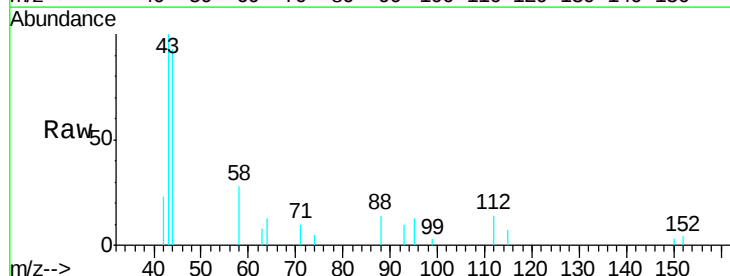
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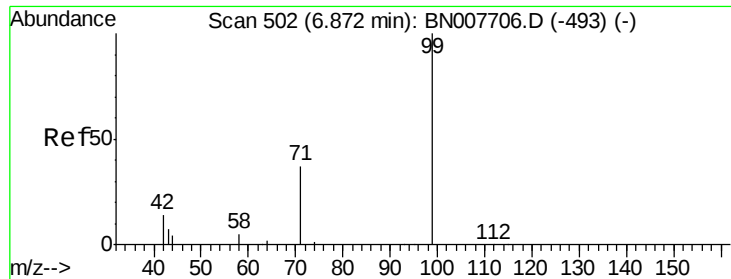


#4

2-Fluorophenol
Concen: 0.037 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	46.6	70.0
63	28.4	23.1	34.7





#5

Phenol-d6

Concen: 0.030 ng

RT: 6.88 min Scan# 503

Delta R.T. 0.01 min

Lab File: BN008036.D

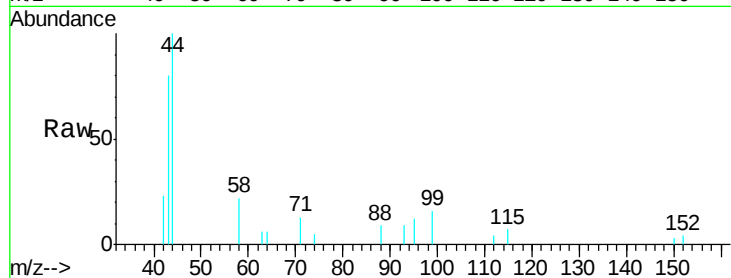
Acq: 05 Oct 2019 21:13

Instrument :

BNA_N

ClientSampleId :

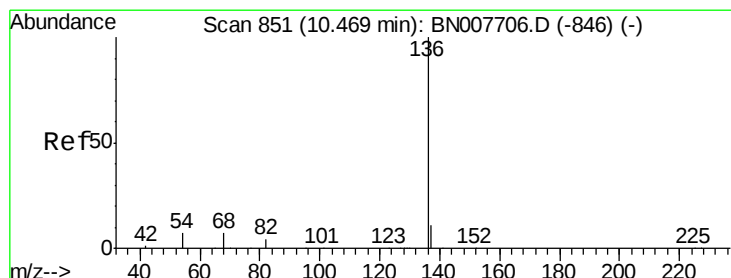
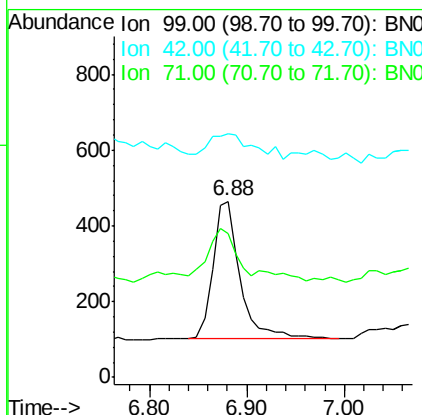
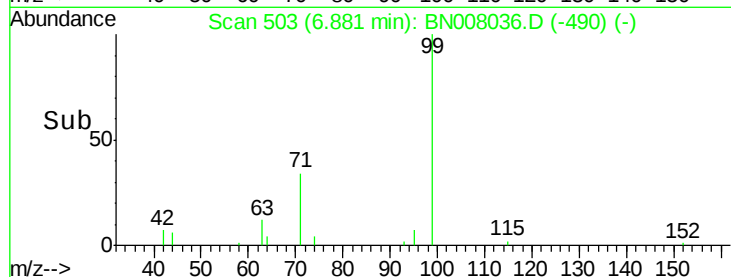
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Tgt Ion:	99	Resp:	704
Ion	Ratio	Lower	Upper
99	100		
42	29.4	12.8	19.2#
71	34.1	27.6	41.4

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#7

Naphthalene-d8

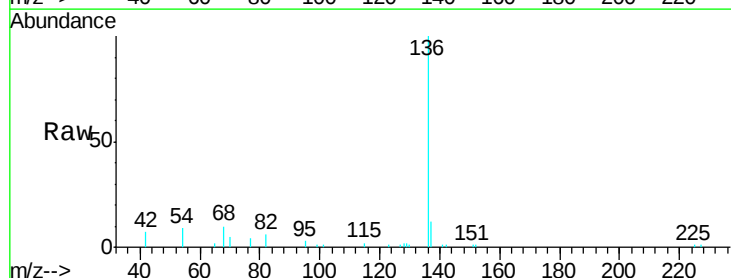
Concen: 0.400 ng

RT: 10.44 min Scan# 849

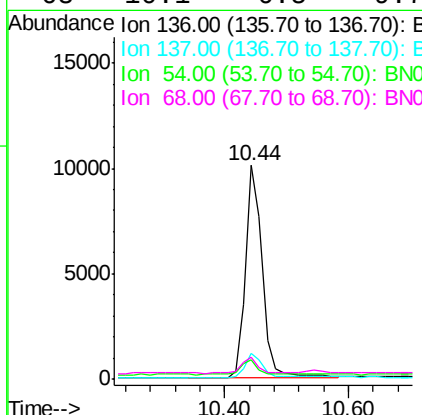
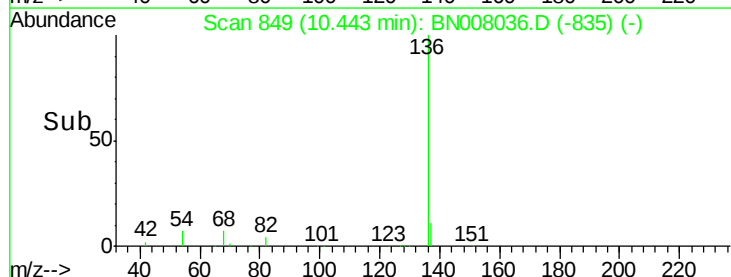
Delta R.T. -0.03 min

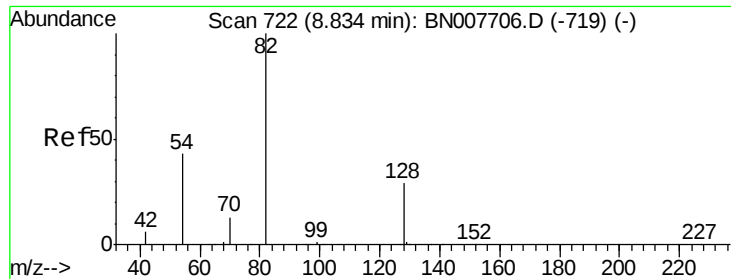
Lab File: BN008036.D

Acq: 05 Oct 2019 21:13



Tgt Ion:	136	Resp:	18689
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	8.7	5.8	8.8
68	10.1	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.042 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008036.D

Acq: 05 Oct 2019 21:13

Instrument :

BNA_N

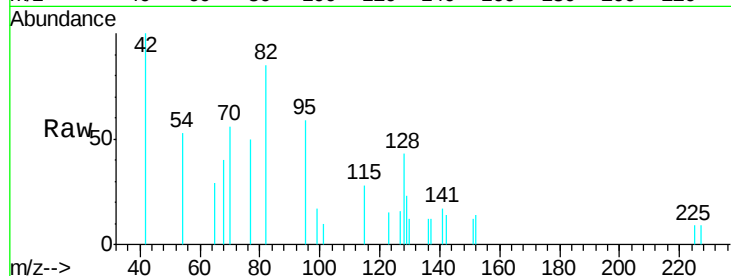
ClientSampleId :

EXT-024-SW074-092519

Tgt Ion:	82	Resp:	693
Ion Ratio	Lower	Upper	
82	100		
128	50.9	24.5	36.7#
54	61.6	35.2	52.8#

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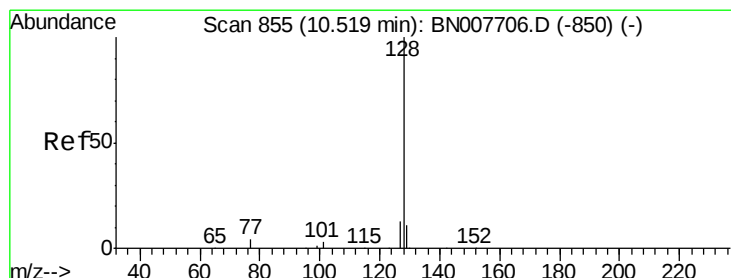
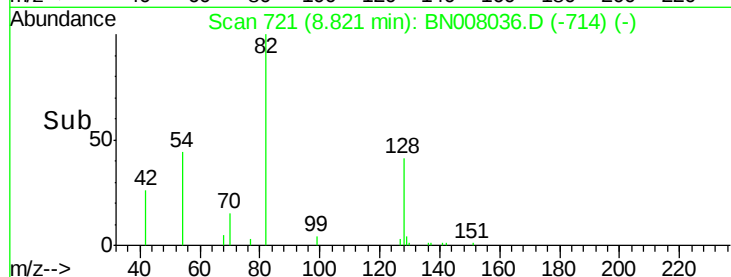
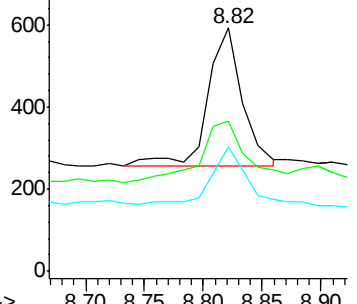
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Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



#9

Naphthalene

Concen: 0.067 ng

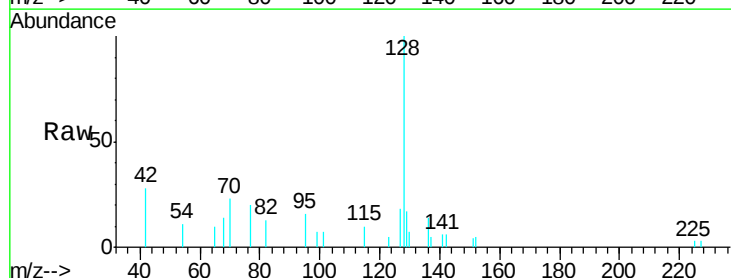
RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN008036.D

Acq: 05 Oct 2019 21:13

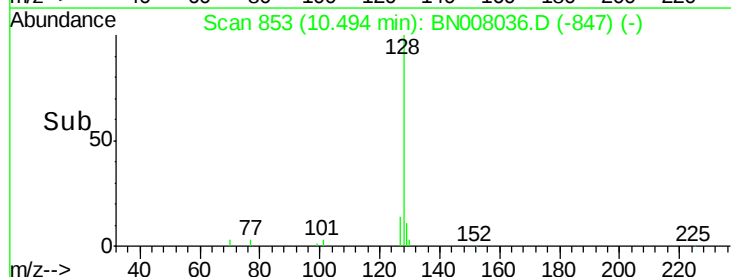
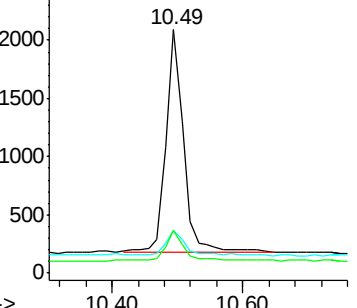
Tgt Ion:	128	Resp:	3511
Ion Ratio	Lower	Upper	
128	100		
129	17.4	9.1	13.7#
127	17.5	10.6	15.8#

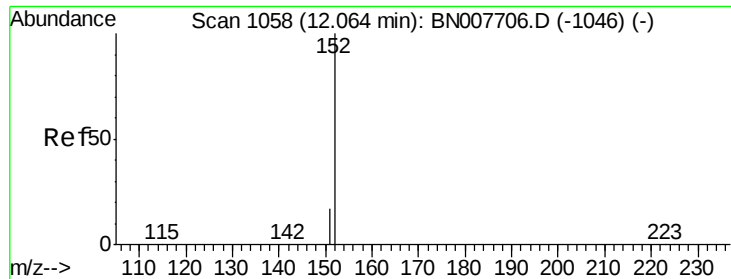


Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

Ion 129.00 (128.70 to 129.70): BN007706.D (-850) (-)

Ion 127.00 (126.70 to 127.70): BN007706.D (-850) (-)





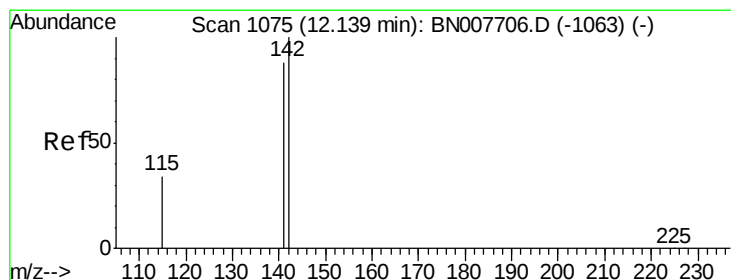
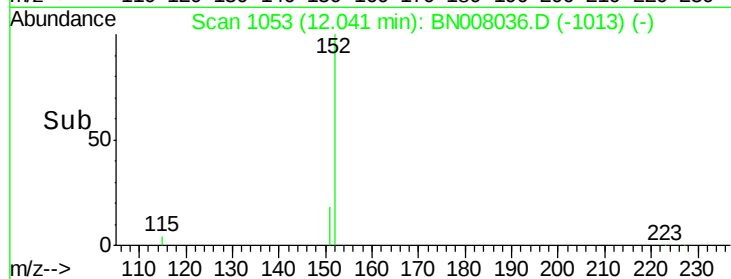
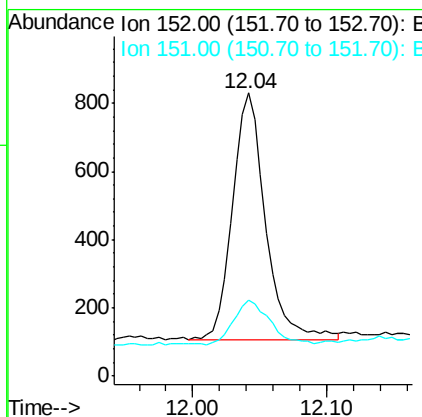
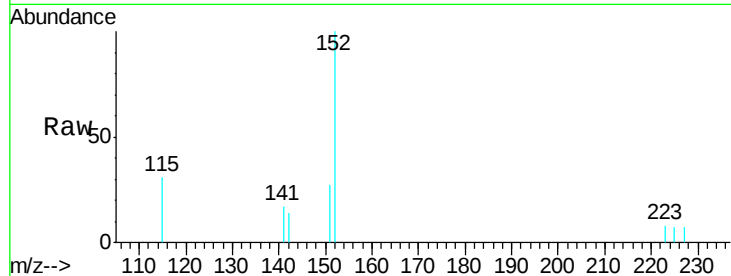
#11
2-Methylnaphthalene-d10
Concen: 0.039 ng
RT: 12.04 min Scan# 1053
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.2

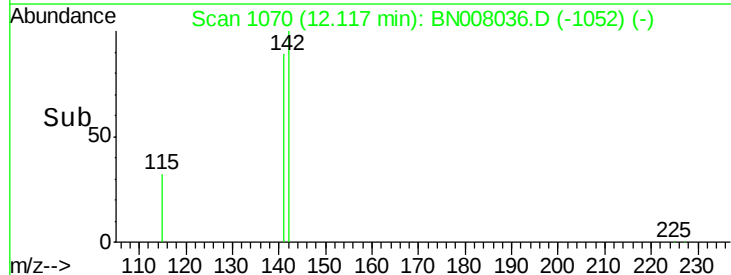
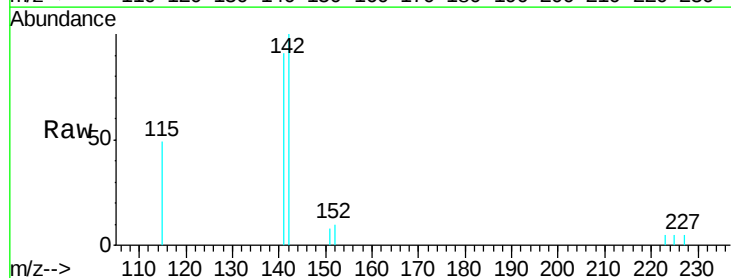
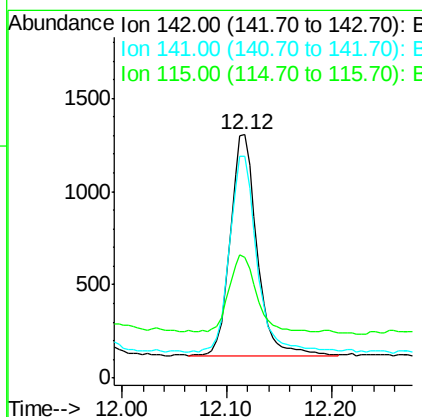
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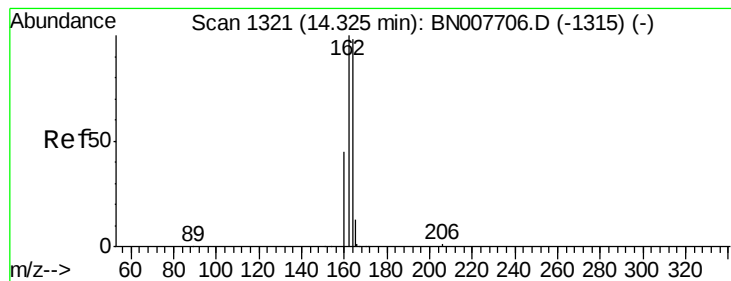
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#12
2-Methylnaphthalene
Concen: 0.060 ng
RT: 12.12 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.6	106.0
115	49.4	28.3	42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BN008036.D

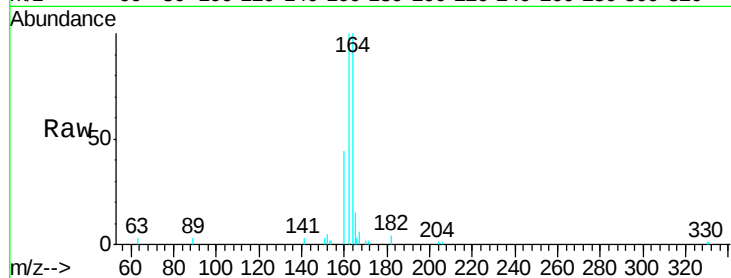
Acq: 05 Oct 2019 21:13

Instrument :

BNA_N

ClientSampleId :

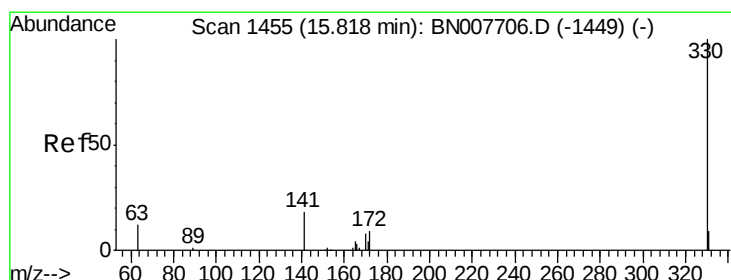
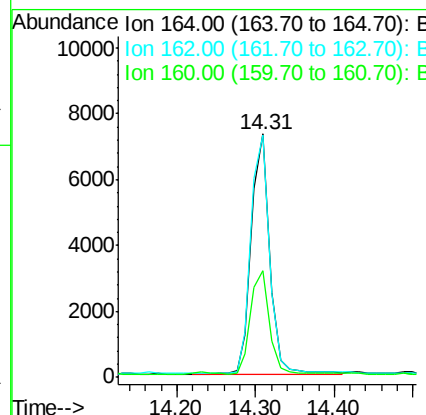
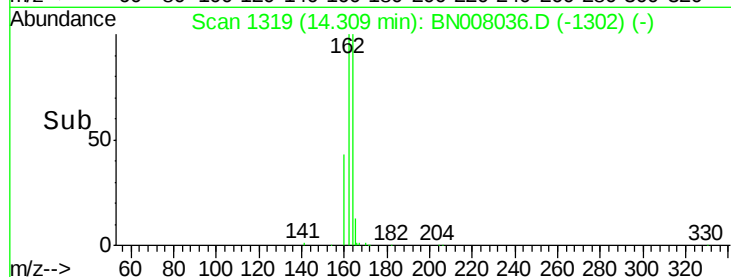
EXT-024-SW074-092519



Tgt Ion:	164	Resp:	11801
Ion Ratio	Lower	Upper	
164	100		
162	99.8	81.7	122.5
160	43.6	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.048 ng

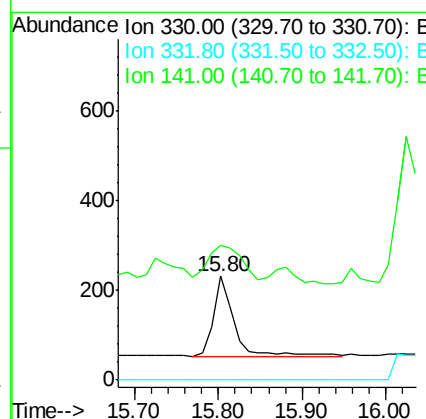
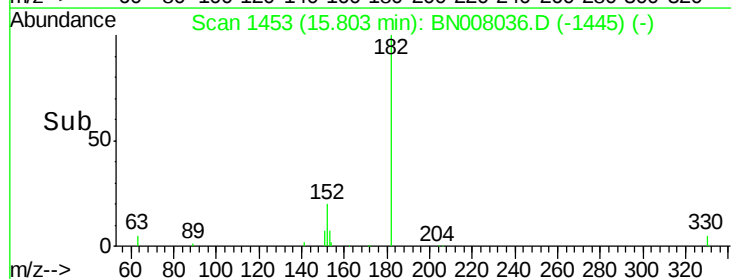
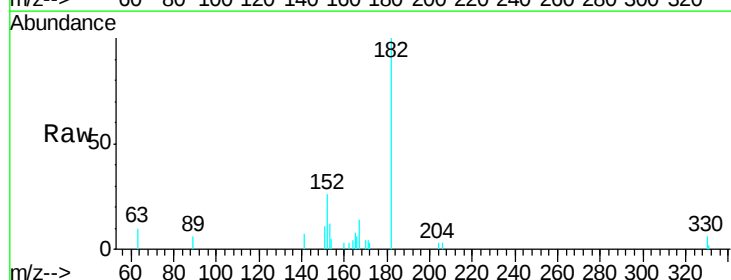
RT: 15.80 min Scan# 1453

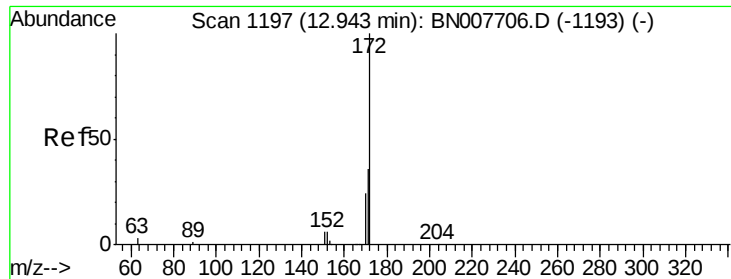
Delta R.T. -0.02 min

Lab File: BN008036.D

Acq: 05 Oct 2019 21:13

Tgt Ion:	330	Resp:	308
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	68.8	28.7	43.1#





#15

2-Fluorobiphenyl

Concen: 0.036 ng

RT: 12.93 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BN008036.D

Acq: 05 Oct 2019 21:13

Instrument :

BNA_N

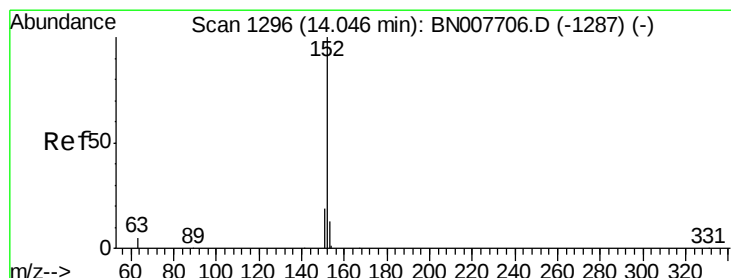
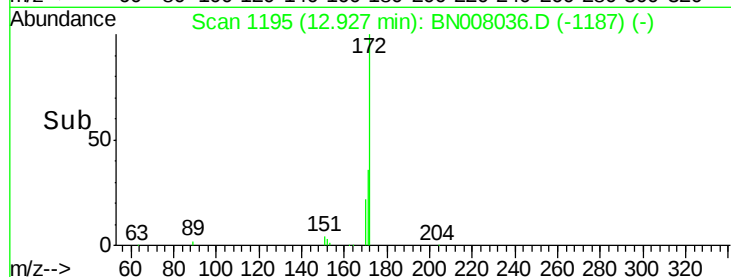
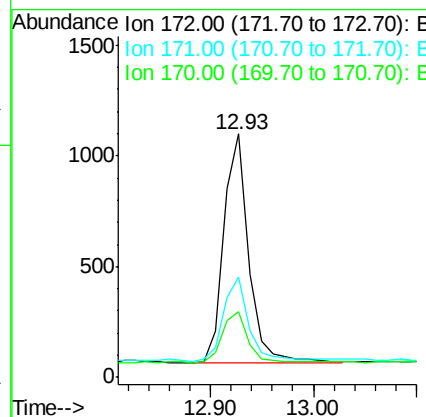
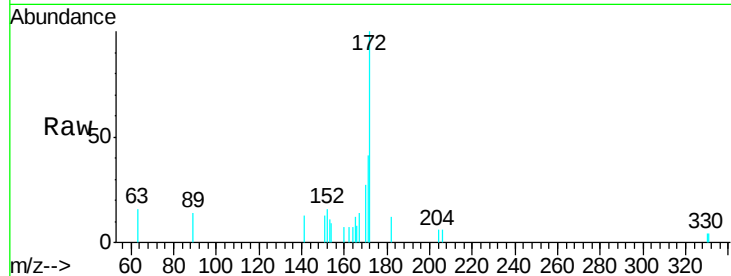
ClientSampleId :

EXT-024-SW074-092519

Tgt Ion:	172	Resp:	1731
Ion Ratio	Lower	Upper	
172	100		
171	40.9	28.8	43.2
170	26.9	19.5	29.3

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#16

Acenaphthylene

Concen: 0.622 ng

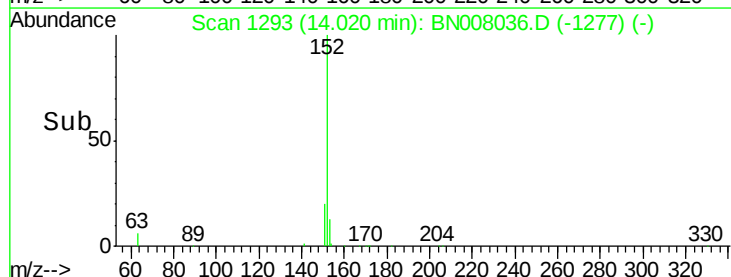
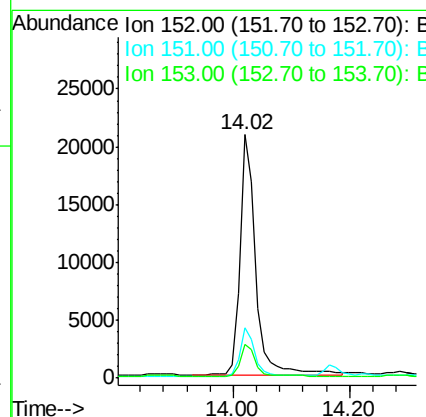
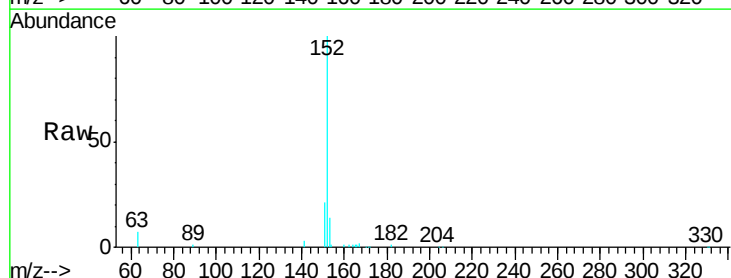
RT: 14.02 min Scan# 1293

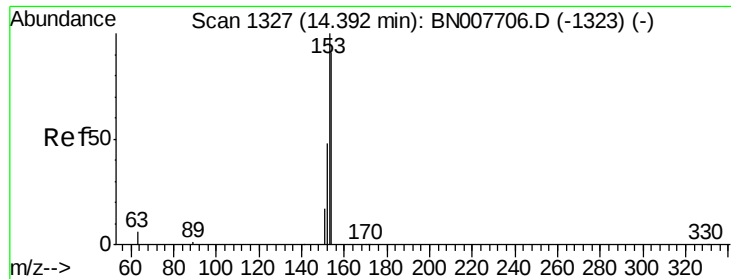
Delta R.T. -0.03 min

Lab File: BN008036.D

Acq: 05 Oct 2019 21:13

Tgt Ion:	152	Resp:	38960
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.5	23.3
153	13.2	10.4	15.6





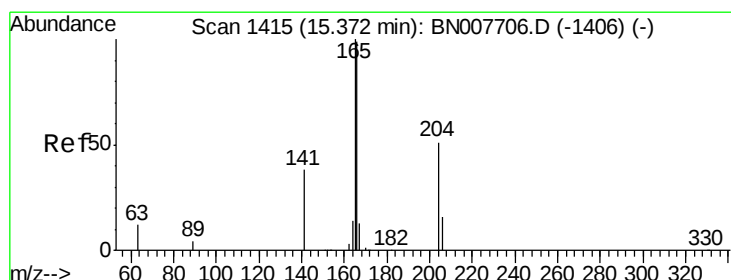
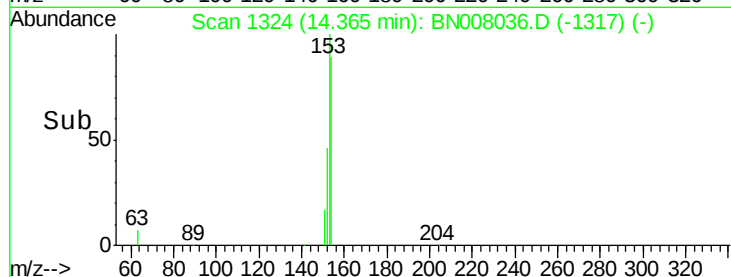
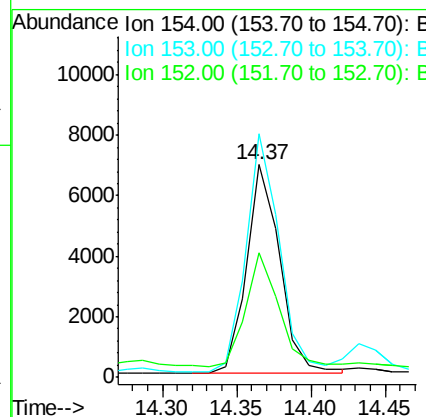
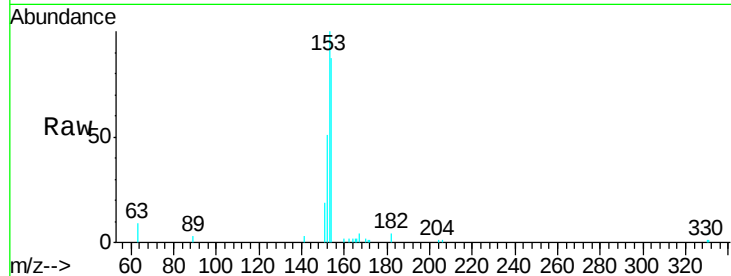
#17
Acenaphthene
Concen: 0.265 ng
RT: 14.37 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.3	87.0	130.4
152	56.9	42.7	64.1

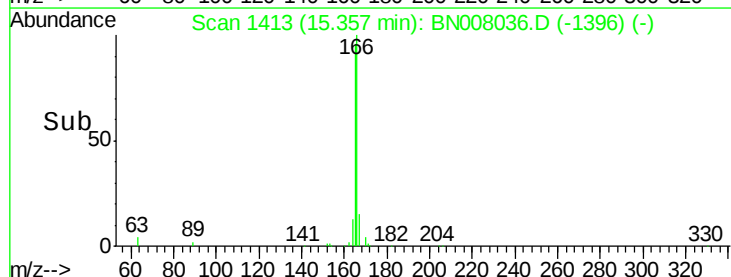
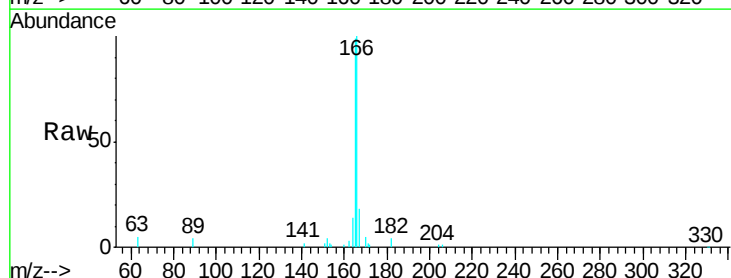
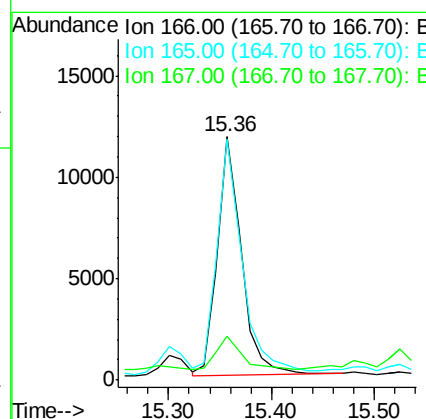
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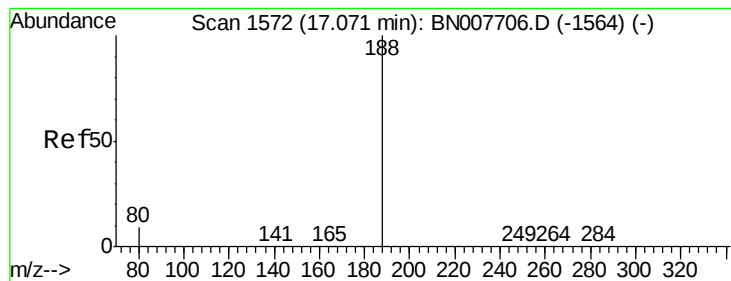
mohammad
10/7/2019 4:40:05 PM



#18
Fluorene
Concen: 0.370 ng
RT: 15.36 min Scan# 1413
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.0	117.0
167	15.7	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: BN008036.D

Acq: 05 Oct 2019 21:13

Instrument :

BNA_N

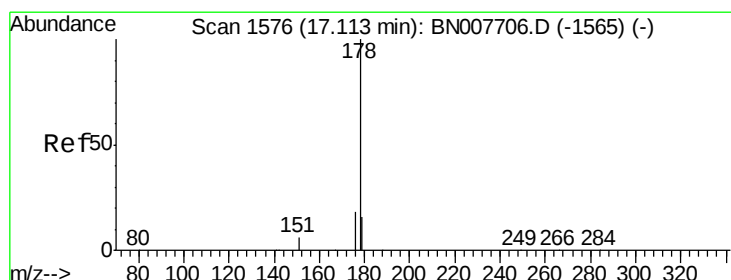
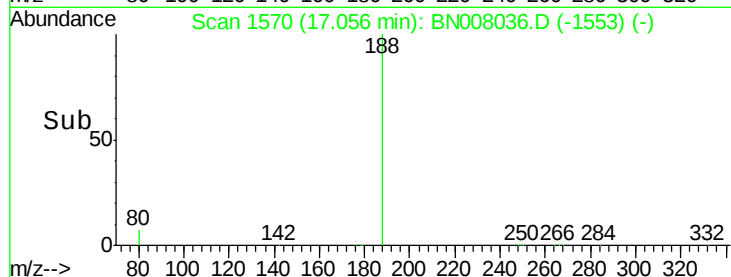
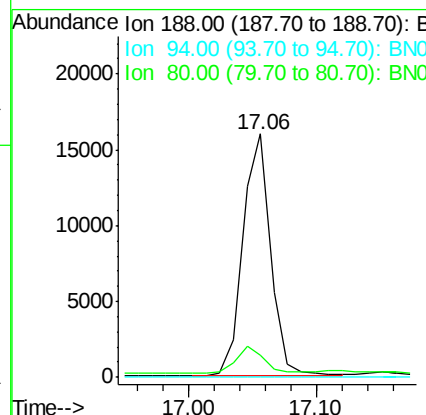
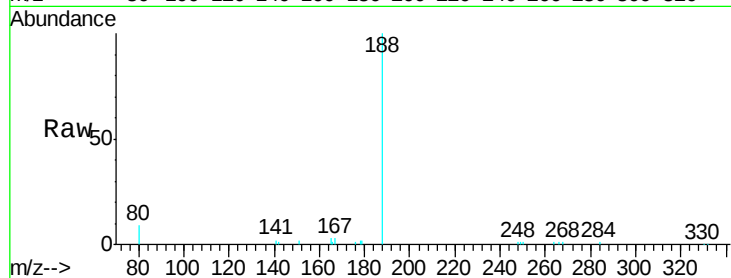
ClientSampleId :

EXT-024-SW074-092519

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	23924		
94	0.0	0.0	0.0	
80	9.3	7.4	11.2	

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#23

Phenanthrene

Concen: 5.781 ng

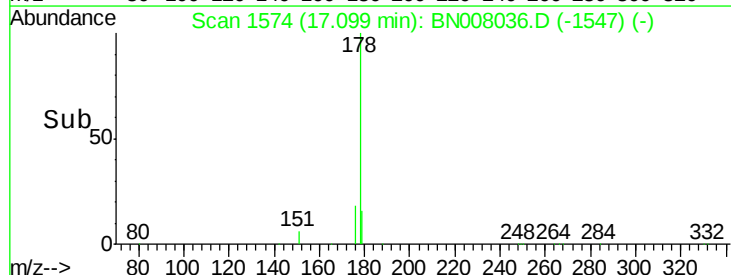
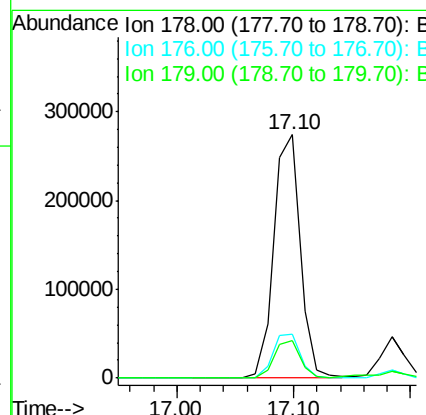
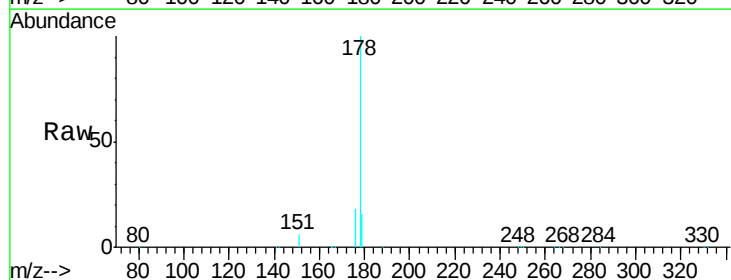
RT: 17.10 min Scan# 1574

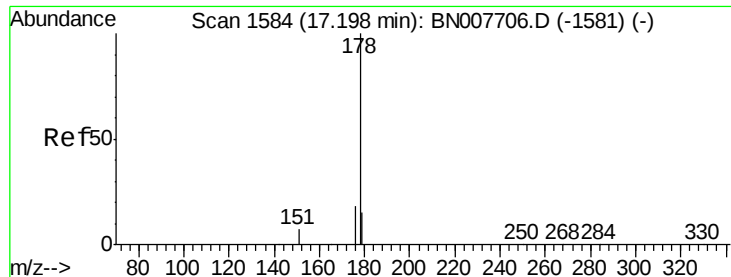
Delta R.T. -0.01 min

Lab File: BN008036.D

Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	430808		
176	18.7	14.9	22.3	
179	15.4	12.5	18.7	





#24

Anthracene

Concen: 0.941 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN008036.D

Acq: 05 Oct 2019 21:13

Instrument :

BNA_N

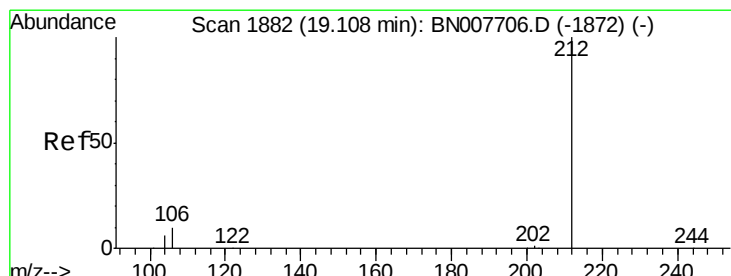
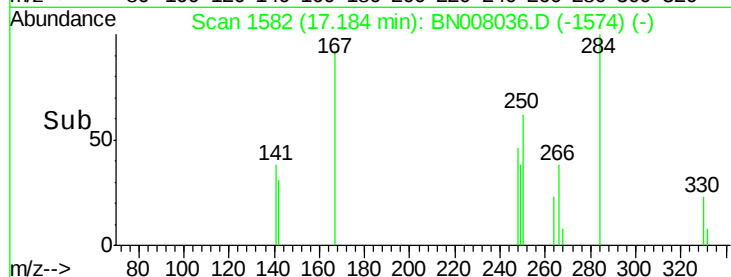
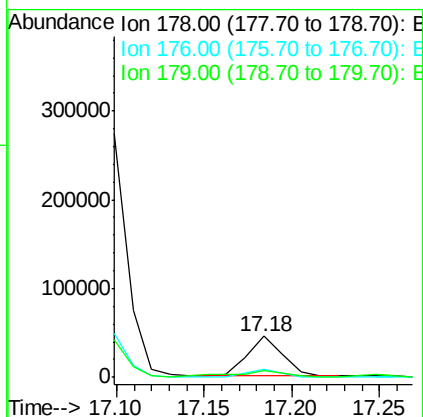
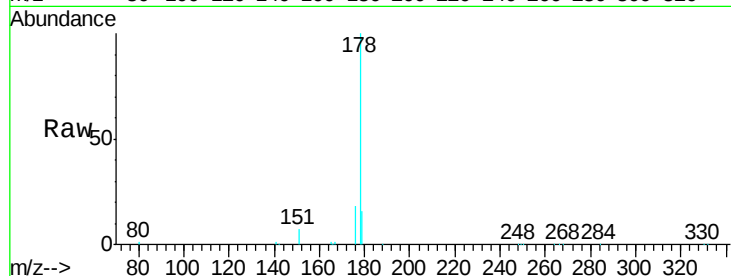
ClientSampleId :

EXT-024-SW074-092519

Tgt Ion:	178	Resp:	63367
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.6	21.8
179	20.4	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.035 ng

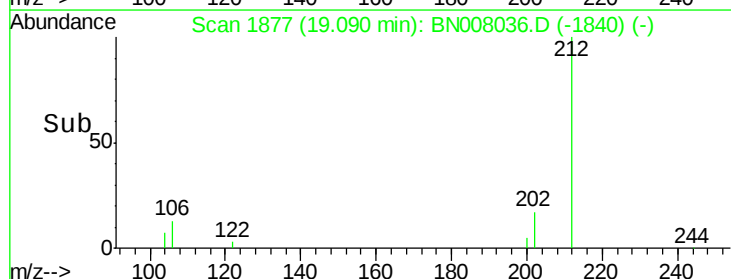
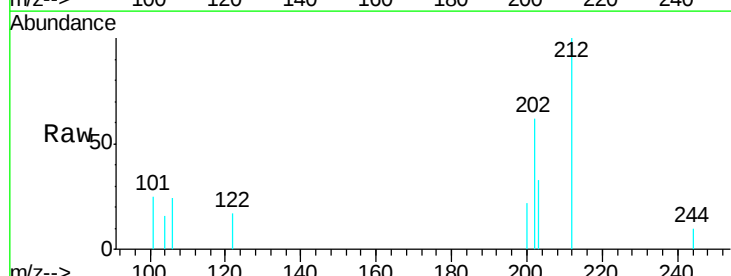
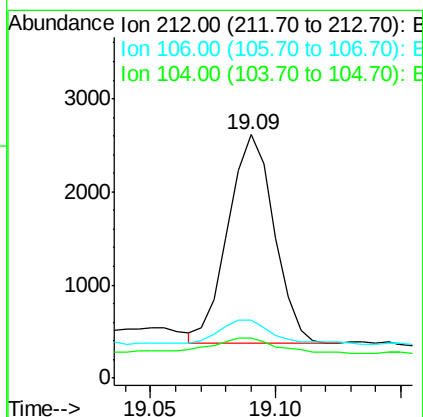
RT: 19.09 min Scan# 1877

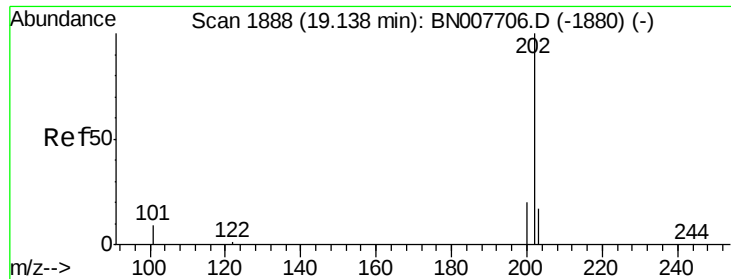
Delta R.T. -0.02 min

Lab File: BN008036.D

Acq: 05 Oct 2019 21:13

Tgt Ion:	212	Resp:	2858
Ion Ratio	Lower	Upper	
212	100		
106	15.2	9.4	14.0
104	12.3	5.3	7.9





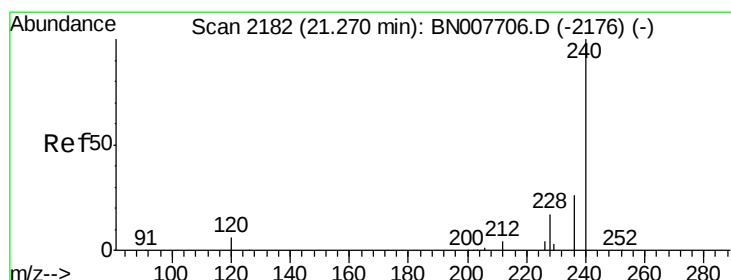
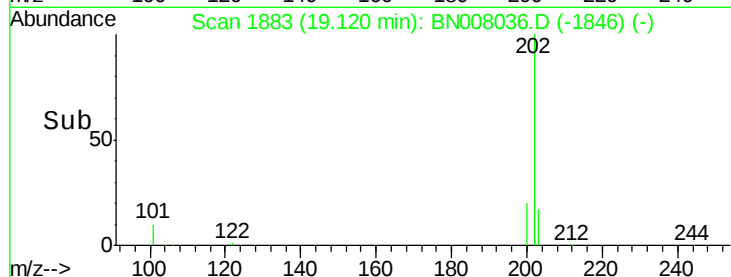
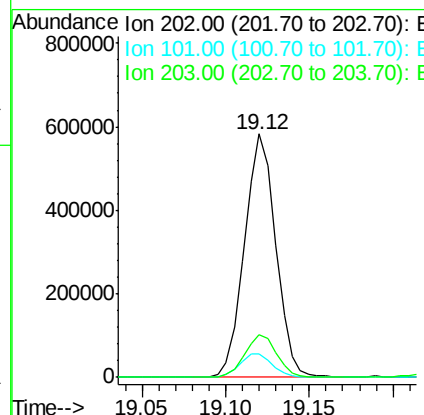
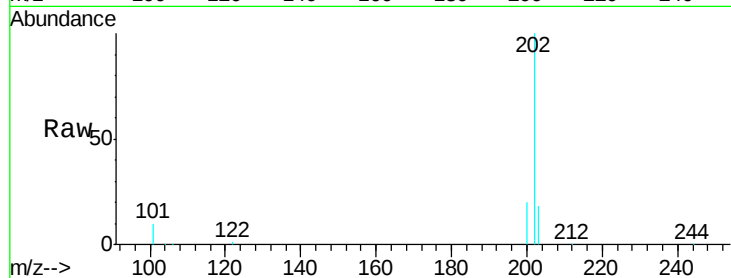
#26
Fluoranthene
Concen: 8.168 ng
RT: 19.12 min Scan# 1883
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.1	8.4	12.6
203	17.5	13.8	20.8

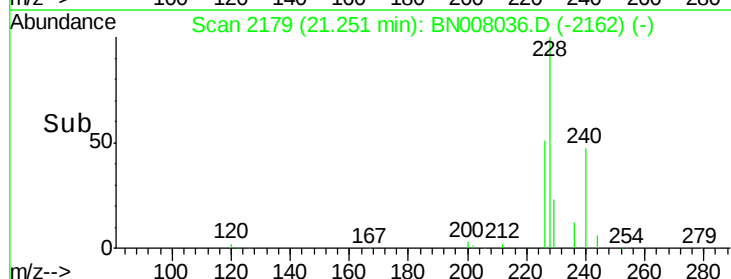
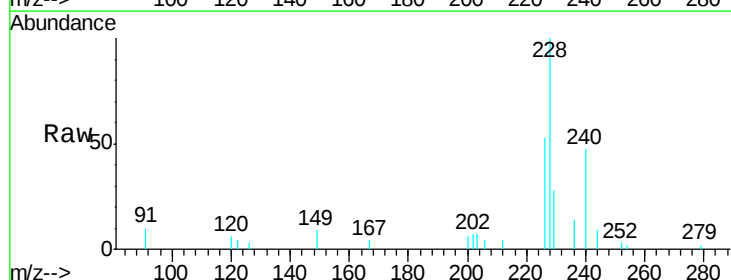
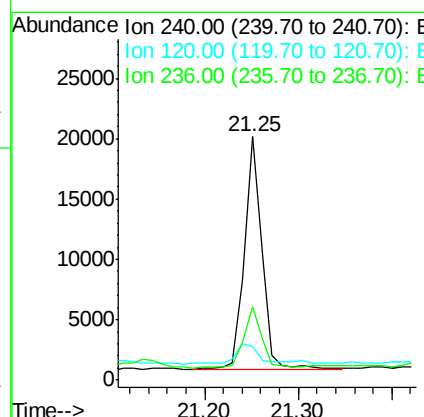
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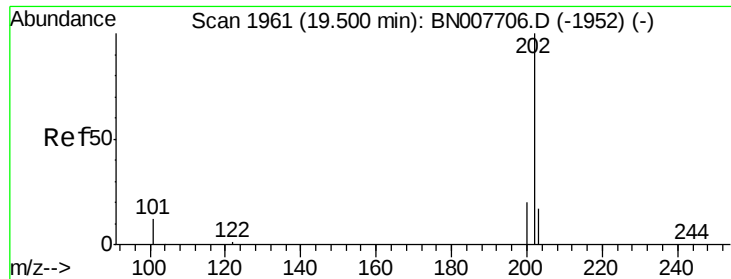
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.6	5.4	8.2#
236	30.3	21.0	31.4





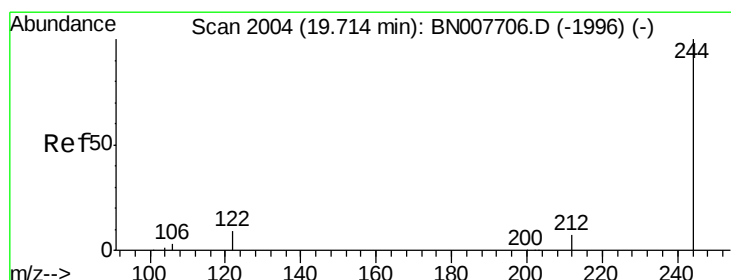
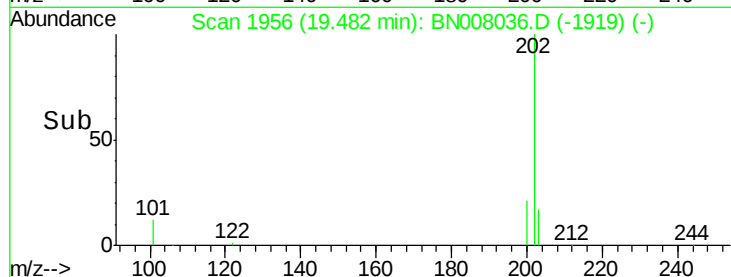
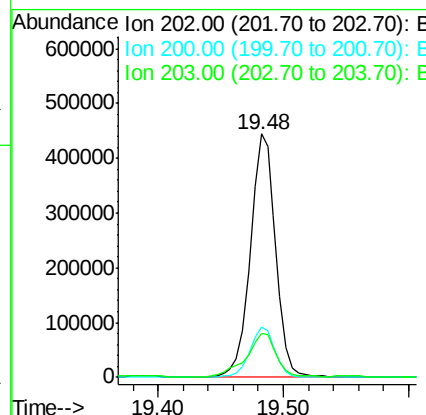
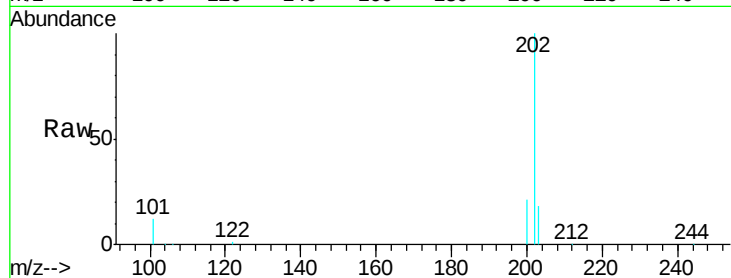
#28
 Pyrene
 Concen: 7.336 ng
 RT: 19.48 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: BN008036.D
 Acq: 05 Oct 2019 21:13

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW074-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	16.4	24.6
203	21.2	14.1	21.1#

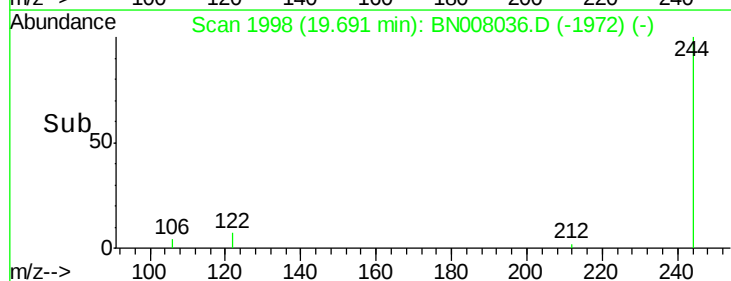
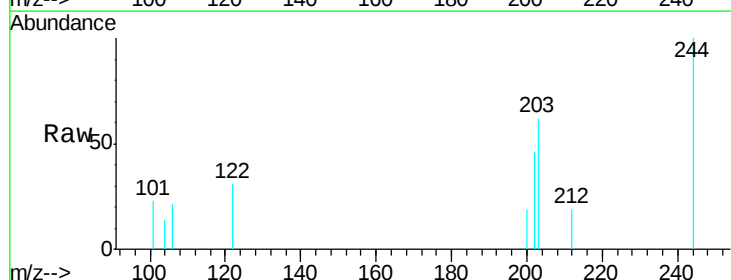
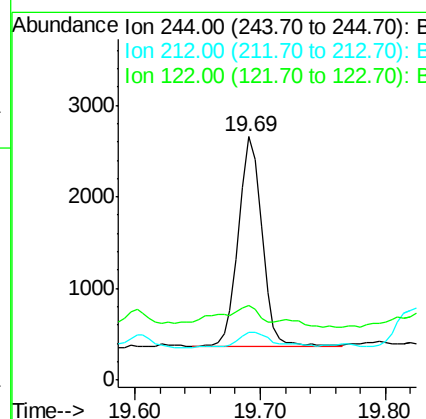
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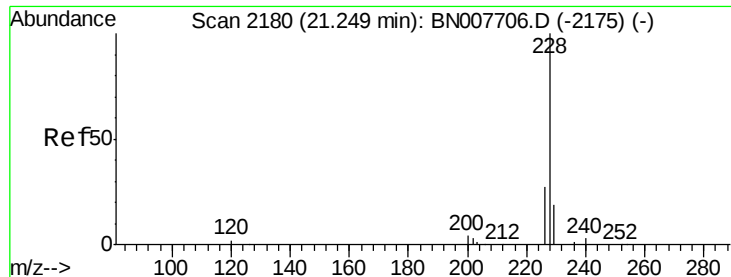
mohammad
 10/7/2019 4:40:05 PM



#29
 Terphenyl-d14
 Concen: 0.049 ng
 RT: 19.69 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BN008036.D
 Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	19.5	5.9	8.9#
122	30.7	7.4	11.2#





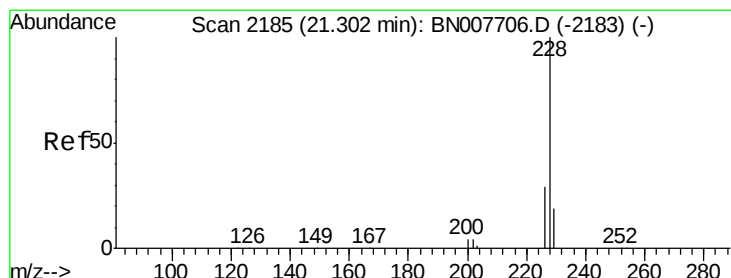
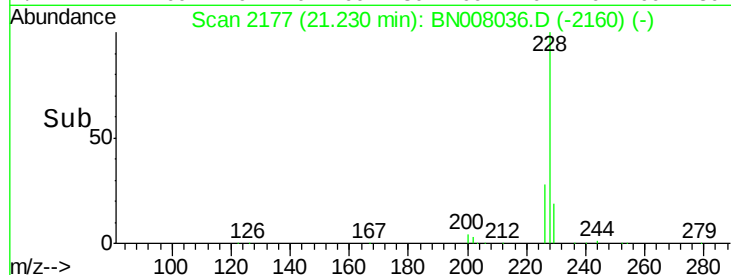
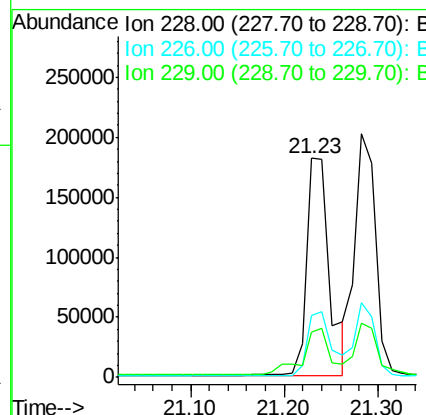
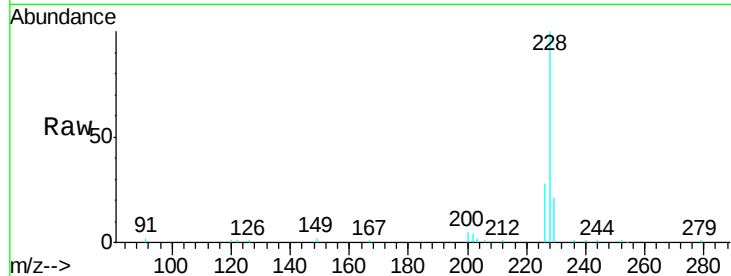
#30
Benzo(a)anthracene
Concen: 3.387 ng
RT: 21.23 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	20.8	15.8	23.6

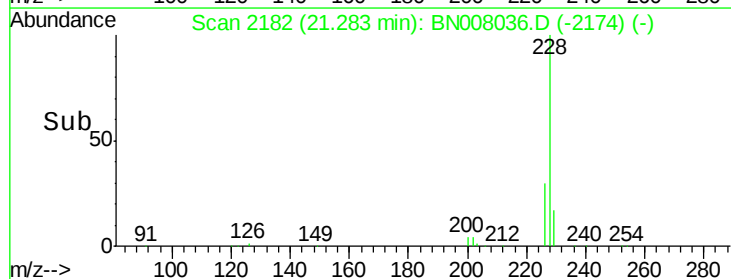
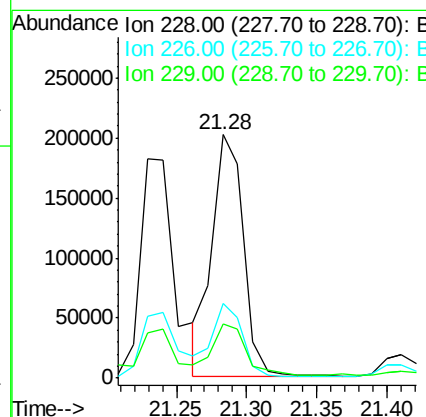
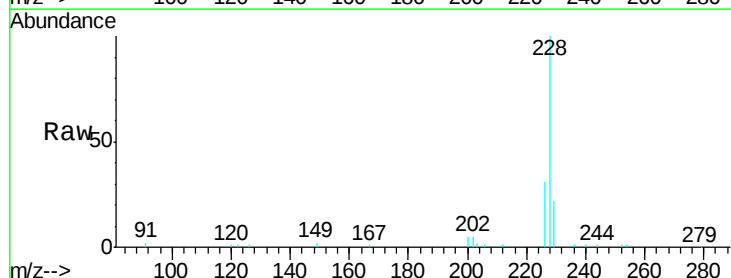
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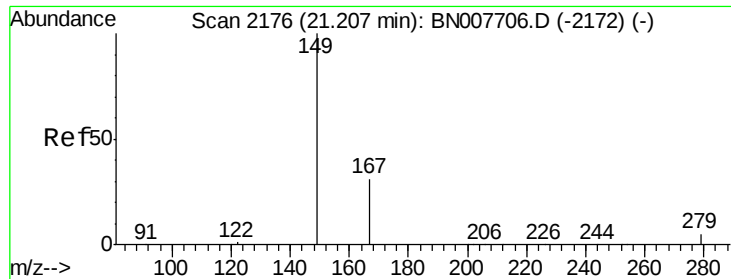
mohammad
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#31
Chrysene
Concen: 3.485 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	22.0	15.8	23.6





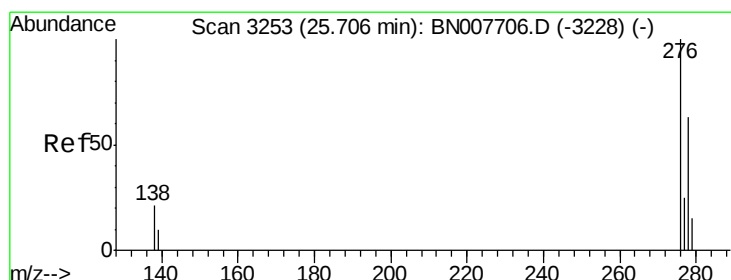
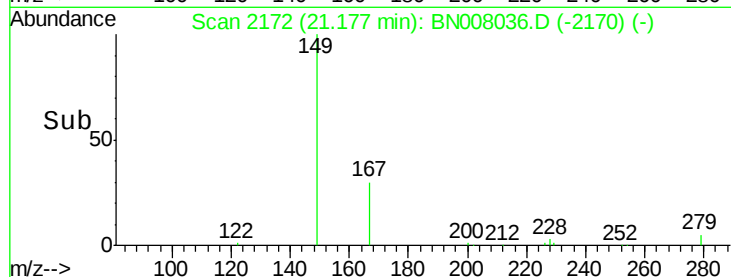
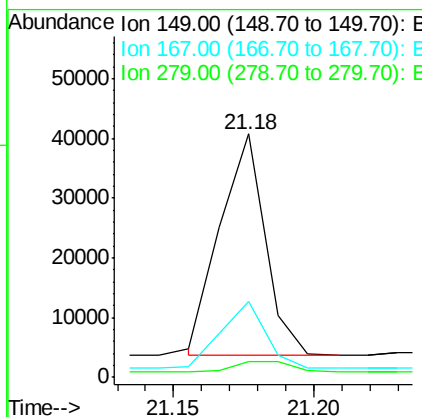
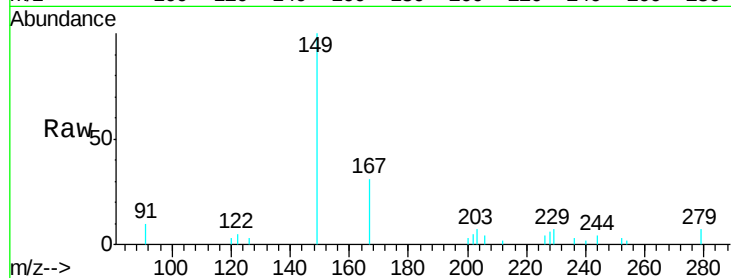
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.886 ng
 RT: 21.18 min Scan# 2172
 Delta R.T. -0.03 min
 Lab File: BN008036.D
 Acq: 05 Oct 2019 21:13

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW074-092519

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.5	23.7	35.5
279	5.9	4.2	6.2

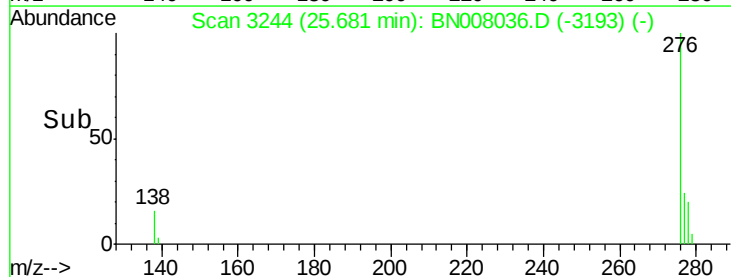
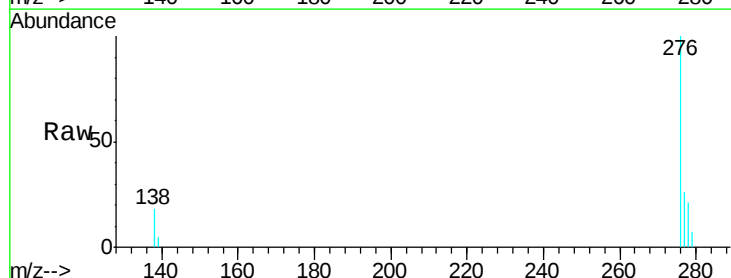
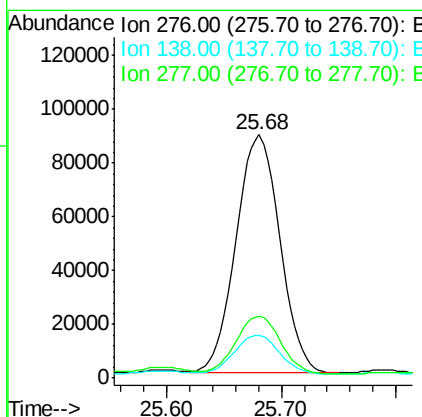
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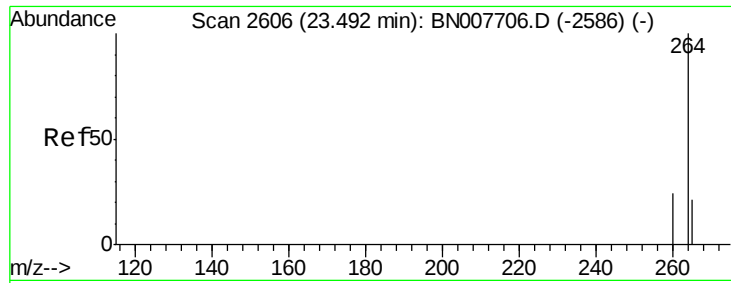
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 2.124 ng
 RT: 25.68 min Scan# 3244
 Delta R.T. -0.03 min
 Lab File: BN008036.D
 Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	17.1	25.7#
277	24.7	20.0	30.0





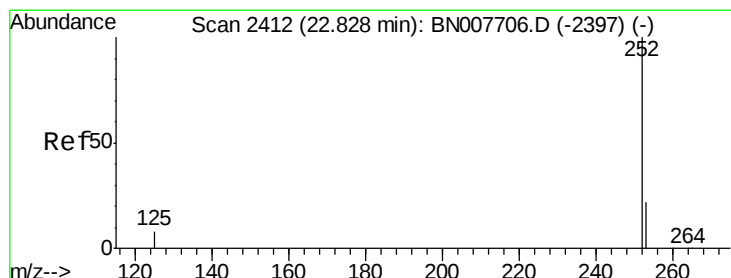
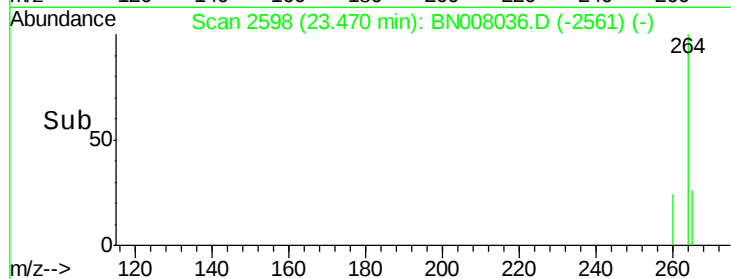
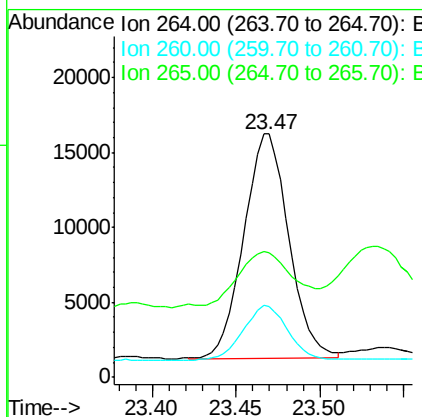
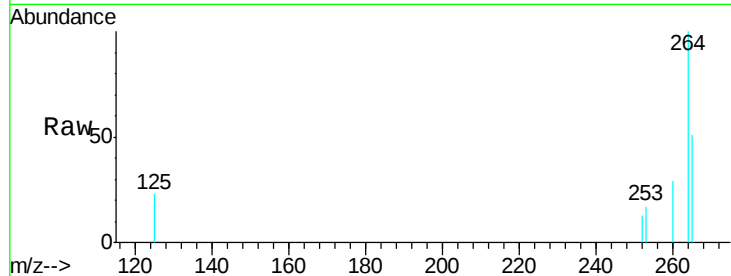
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2598
 Delta R.T. -0.02 min
 Lab File: BN008036.D
 Acq: 05 Oct 2019 21:13

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW074-092519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.1	19.3	28.9#
265	51.1	26.9	40.3#

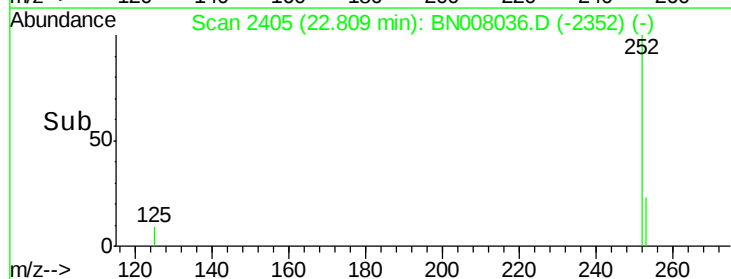
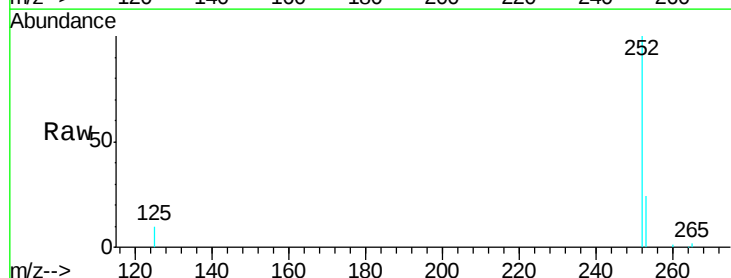
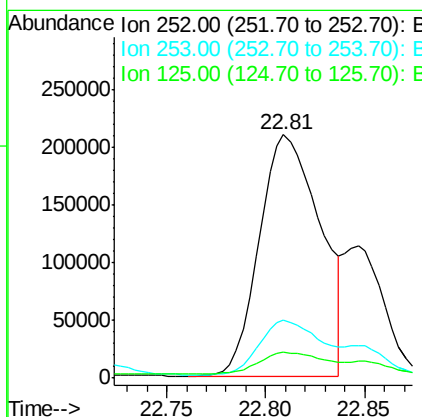
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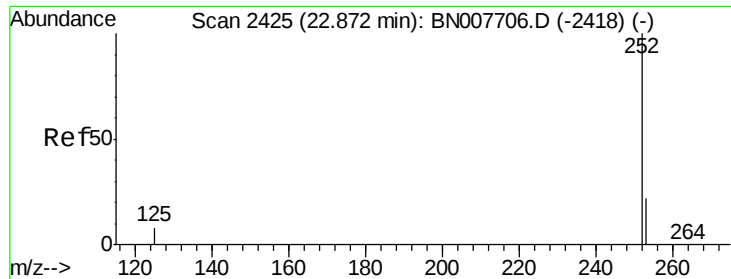
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 4.563 ng
 RT: 22.81 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BN008036.D
 Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	10.5	8.2	12.4





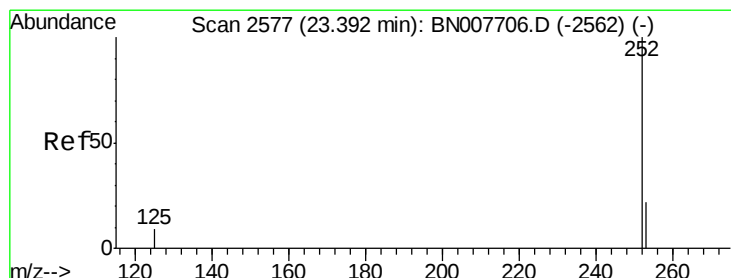
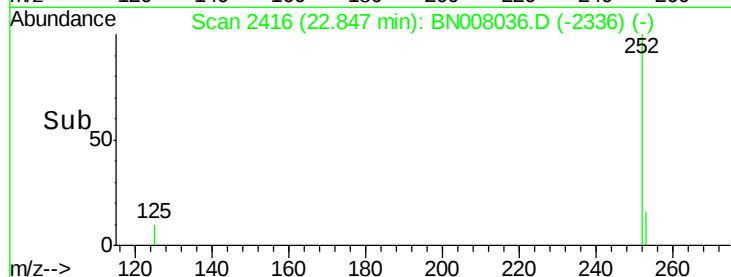
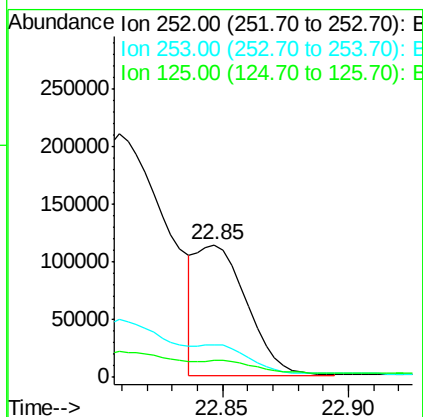
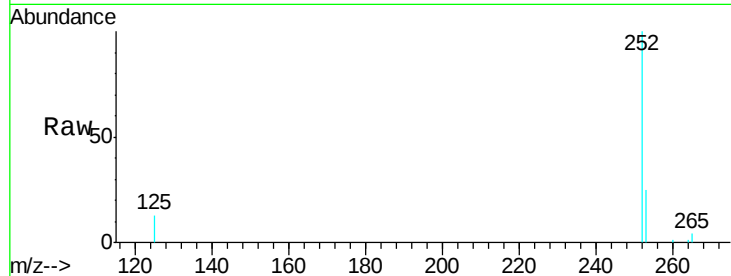
#36
Benzo(k)fluoranthene
Concen: 1.636 ng m
RT: 22.85 min Scan# 2416
Delta R.T. -0.03 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.5	27.7
125	12.8	8.4	12.6

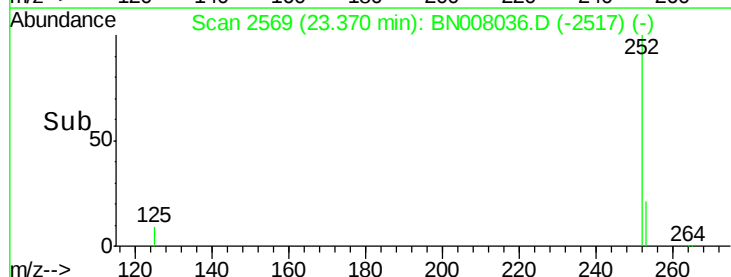
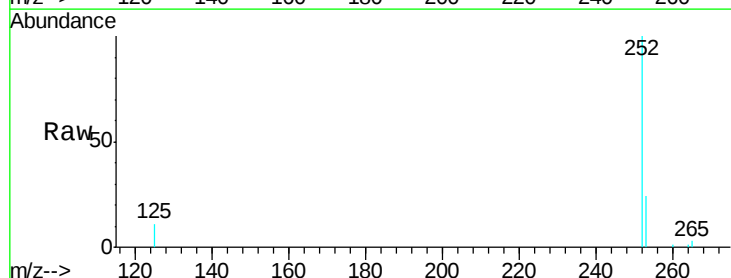
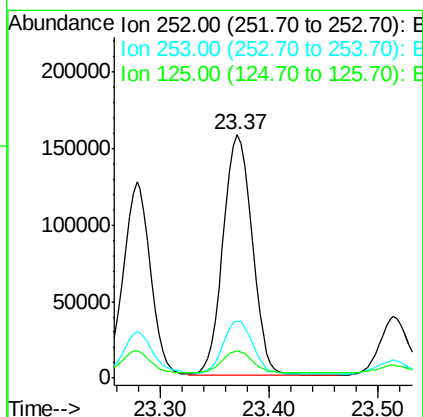
Manual Integrations
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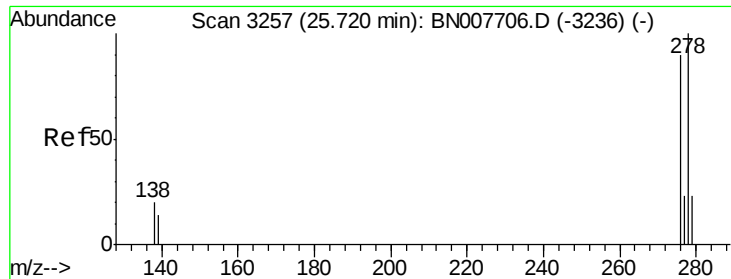
mohammad
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#37
Benzo(a)pyrene
Concen: 3.138 ng
RT: 23.37 min Scan# 2569
Delta R.T. -0.02 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	27.8
125	11.3	9.4	14.0





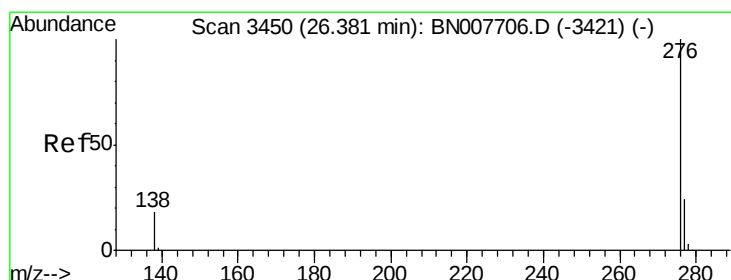
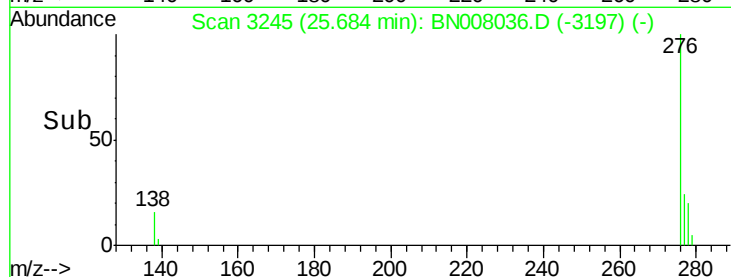
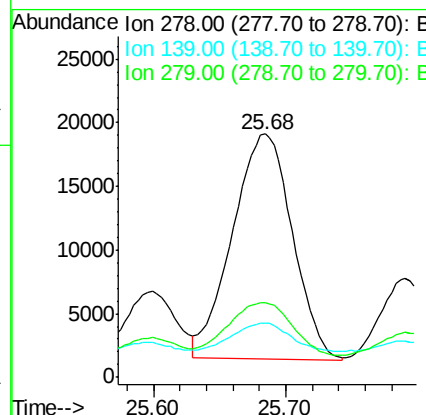
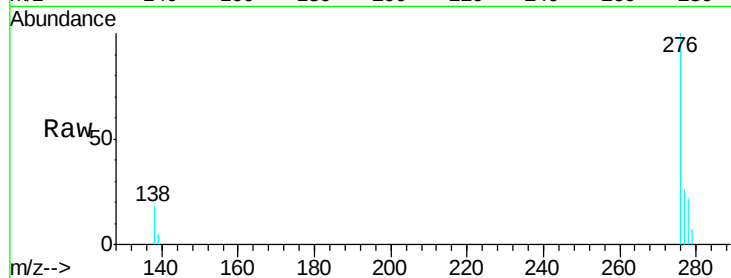
#38
Dibenzo(a,h)anthracene
Concen: 0.591 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.04 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	11.8	17.6#
279	30.9	19.4	29.2#

Manual Integrations
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mohammad
10/7/2019 4:40:05 PM



#39
Benzo(g,h,i)perylene
Concen: 2.457 ng
RT: 26.36 min Scan# 3441
Delta R.T. -0.03 min
Lab File: BN008036.D
Acq: 05 Oct 2019 21:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.8	29.8
138	18.3	15.1	22.7

