

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008034.D
 Acq On : 05 Oct 2019 20:02
 Operator : JU
 Sample : K5078-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 10/7/2019 4:40:02 PM

Quant Time: Oct 07 14:27:21 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	4392	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	17483	0.40	ng	-0.03
13) Acenaphthene-d10	14.31	164	11040	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	22015	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	23352	0.40	ng	-0.02
34) Perylene-d12	23.47	264	26071	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	3061	0.20	ng	0.00
5) Phenol-d6	6.87	99	3859	0.20	ng	0.00
8) Nitrobenzene-d5	8.82	82	3707	0.24	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	7031	0.24	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	1432	0.24	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	9595	0.21	ng	-0.02
25) Fluoranthene-d10	19.09	212	17492	0.24	ng	-0.02
29) Terphenyl-d14	19.69	244	14339	0.25	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	4608	0.094	ng	# 89
12) 2-Methylnaphthalene	12.11	142	4035	0.122	ng	# 94
16) Acenaphthylene	14.02	152	40987	0.700	ng	99
17) Acenaphthene	14.36	154	23567	0.624	ng	98
18) Fluorene	15.36	166	33296	0.688	ng	97
22) Pentachlorophenol	16.72	266	193	0.036	ng	# 81
23) Phenanthrene	17.09	178	641720	9.357	ng	100
24) Anthracene	17.18	178	89122	1.439	ng	# 96
26) Fluoranthene	19.12	202	939937	11.022	ng	99
28) Pyrene	19.48	202	777708	9.765	ng	# 96
30) Benzo(a)anthracene	21.23	228	361405	4.203	ng	98
31) Chrysene	21.28	228	335730	4.006	ng	98
32) Bis(2-ethylhexyl)phthalate	21.18	149	27999	0.633	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	234805	2.238	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	462123	5.106	ng	99
36) Benzo(k)fluoranthene	22.85	252	162238m	1.813	ng	
37) Benzo(a)pyrene	23.37	252	302929	3.562	ng	100
38) Dibenzo(a,h)anthracene	25.68	278	55180	0.634	ng	# 85
39) Benzo(g,h,i)perylene	26.36	276	233010	2.706	ng	99

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

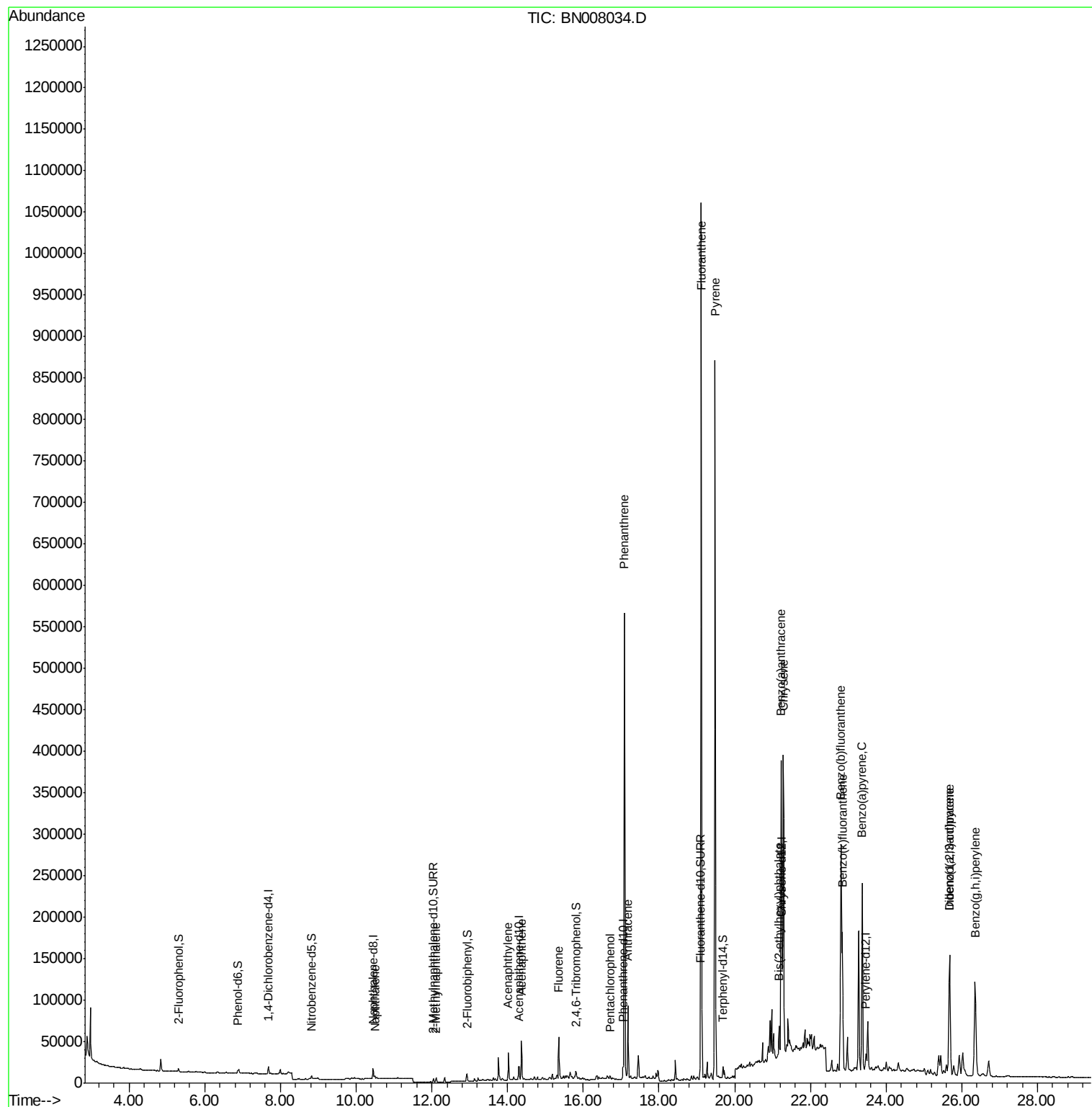
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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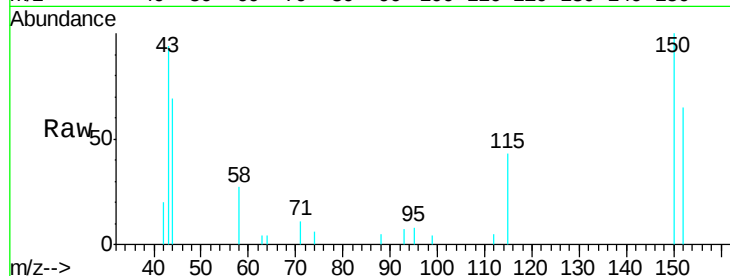




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008034.D
Acq: 05 Oct 2019 20:02

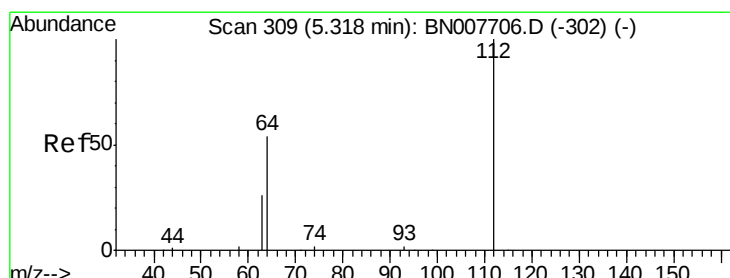
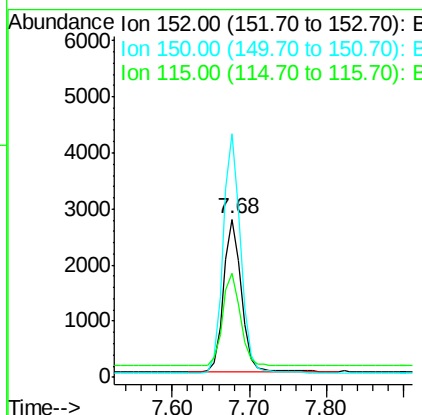
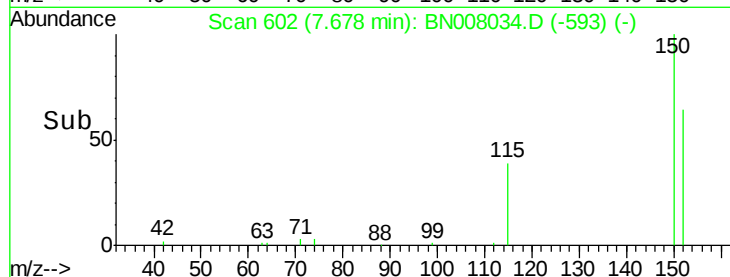
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW072-092619



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.6	188.4
115	66.0	53.3	79.9

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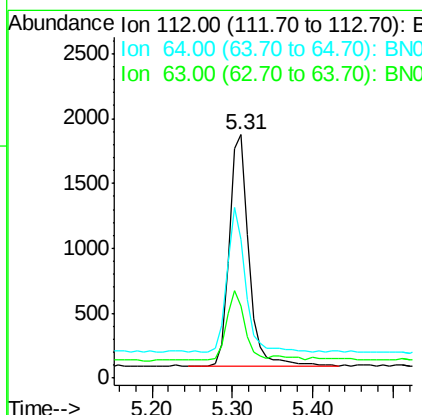
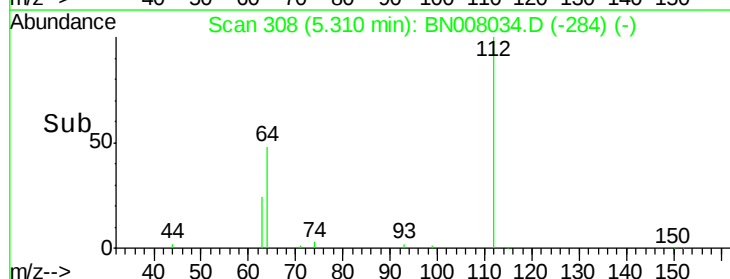
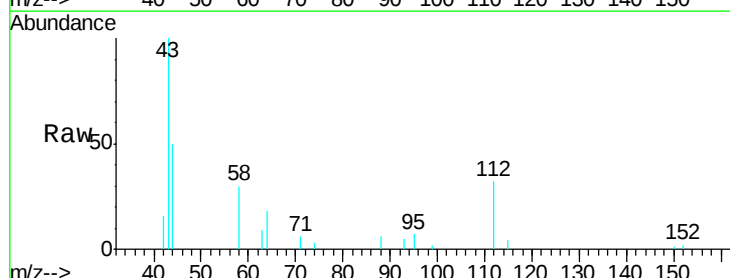
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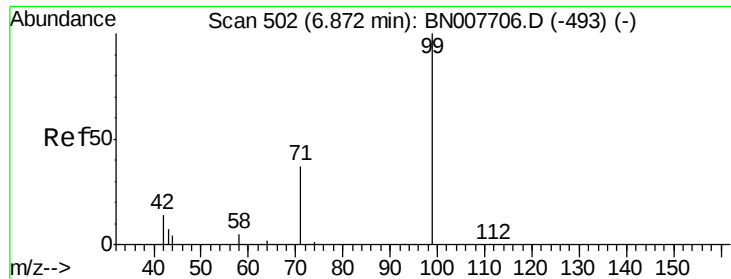


#4

2-Fluorophenol
Concen: 0.202 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN008034.D
Acq: 05 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.6	70.0
63	27.6	23.1	34.7





#5

Phenol-d6

Concen: 0.202 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

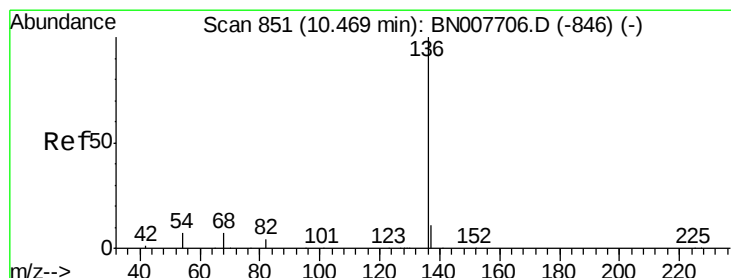
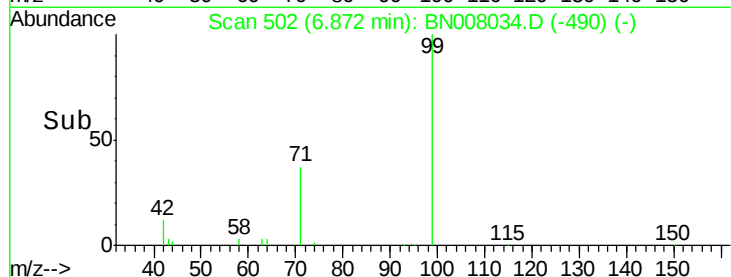
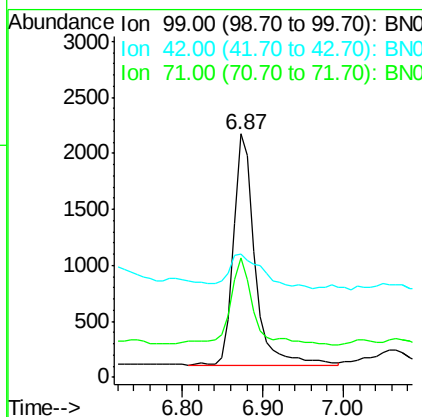
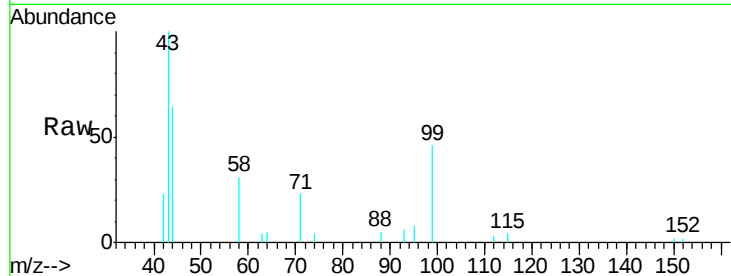
ClientSampleId :

EXT-024-SW072-092619

Tgt Ion:	99	Resp:	3859
Ion Ratio	Lower	Upper	
99	100		
42	22.7	12.8	19.2#
71	42.1	27.6	41.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

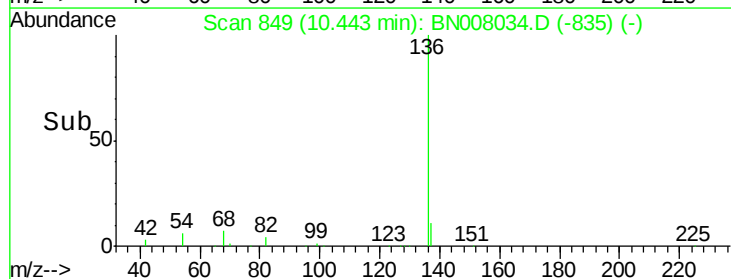
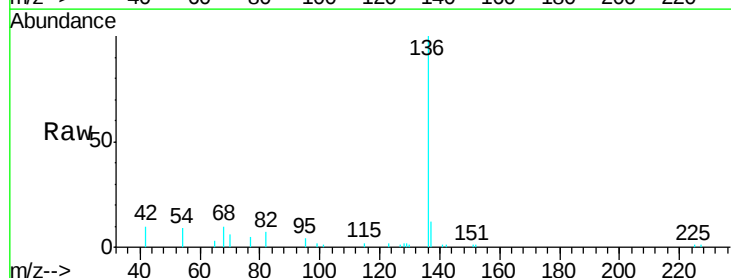
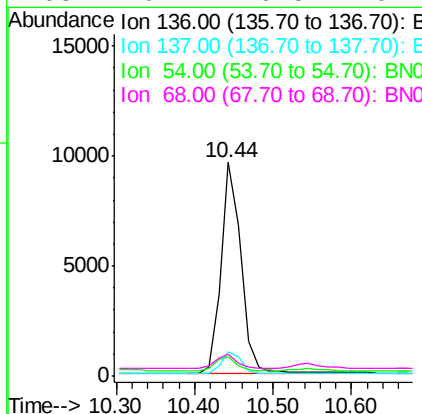
RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Tgt Ion:	136	Resp:	17483
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.2	13.8
54	8.7	5.8	8.8
68	10.4	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.242 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

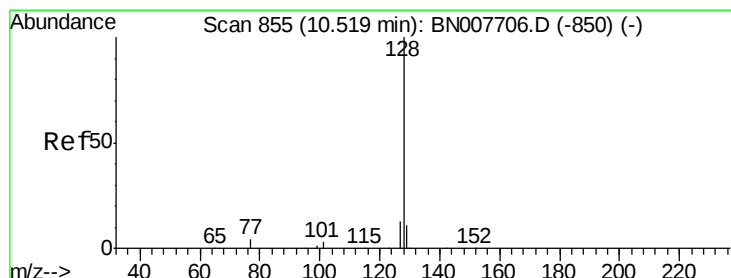
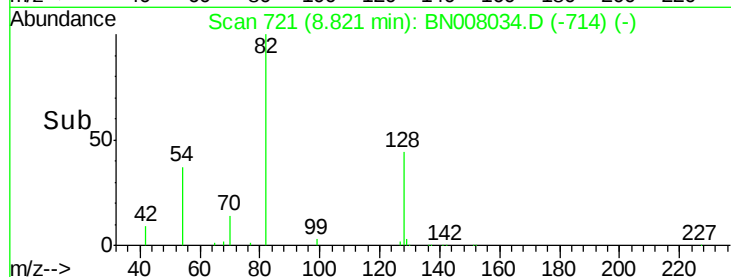
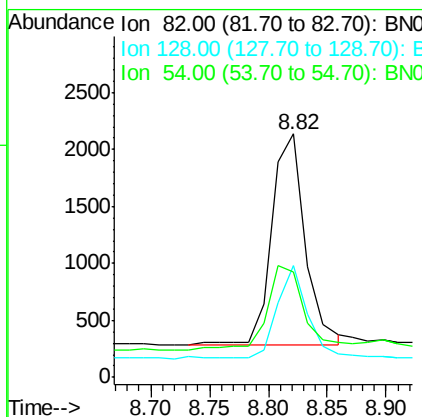
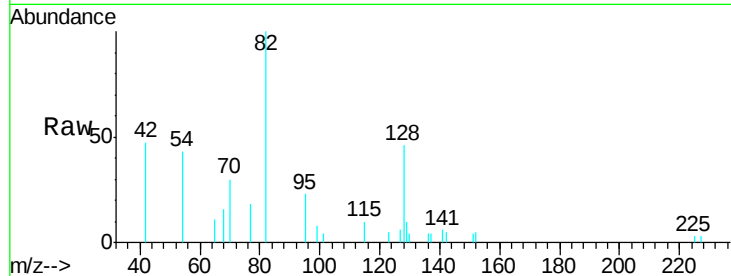
ClientSampleId :

EXT-024-SW072-092619

Tgt Ion:	82	Resp:	3707
Ion Ratio	Lower	Upper	
82	100		
128	46.1	24.5	36.7#
54	43.2	35.2	52.8

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#9

Naphthalene

Concen: 0.094 ng

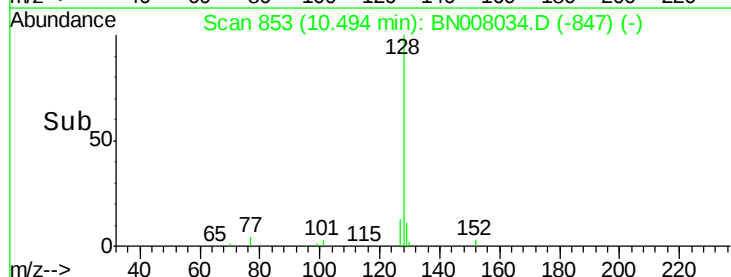
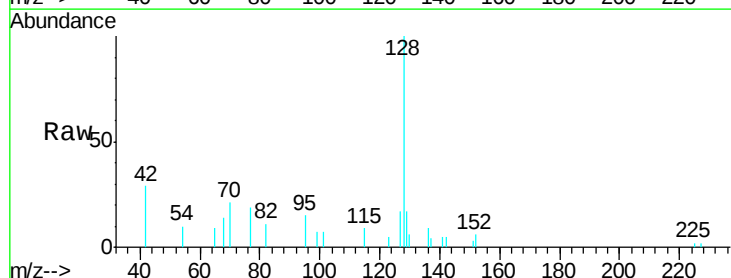
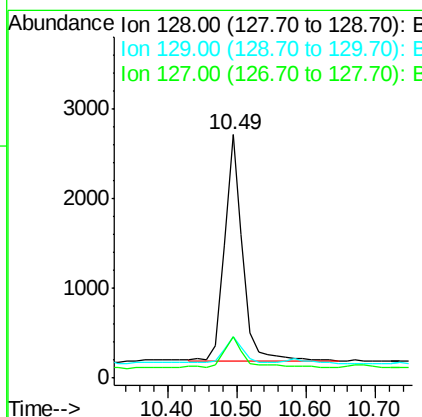
RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Tgt Ion:	128	Resp:	4608
Ion Ratio	Lower	Upper	
128	100		
129	17.0	9.1	13.7#
127	16.7	10.6	15.8#





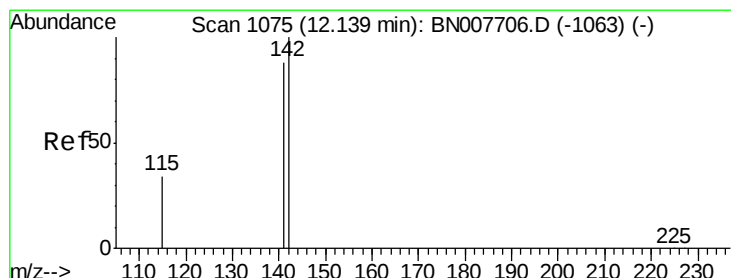
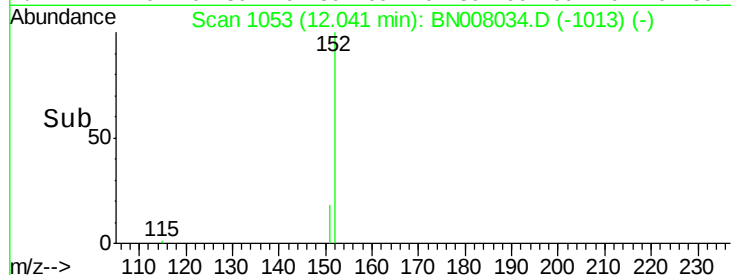
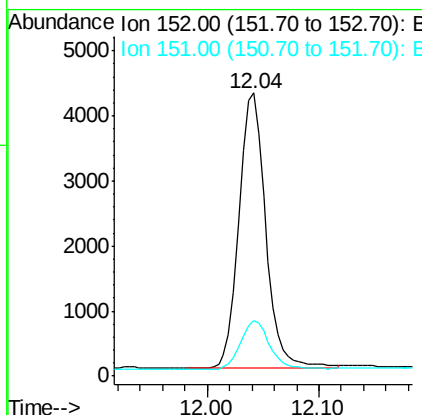
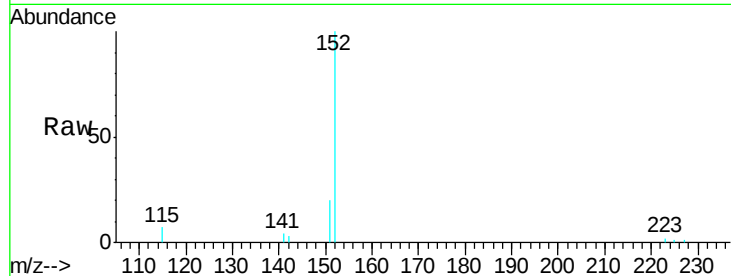
#11
 2-Methylnaphthalene-d10
 Concen: 0.239 ng
 RT: 12.04 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: BN008034.D
 Acq: 05 Oct 2019 20:02

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

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

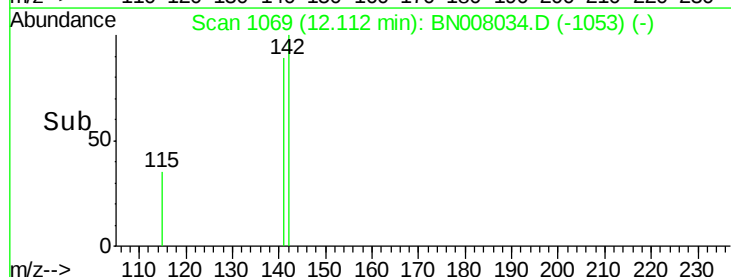
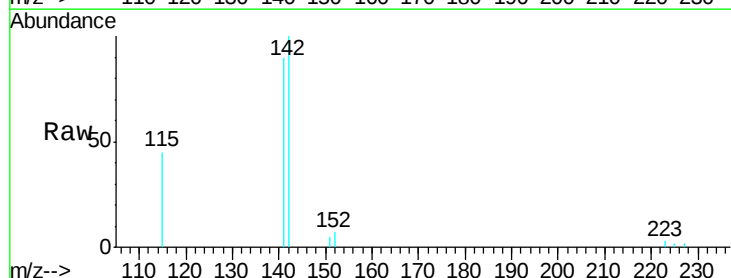
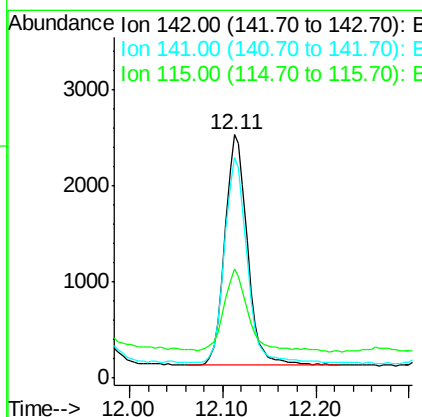
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#12
 2-Methylnaphthalene
 Concen: 0.122 ng
 RT: 12.11 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BN008034.D
 Acq: 05 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.6	106.0
115	44.9	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: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

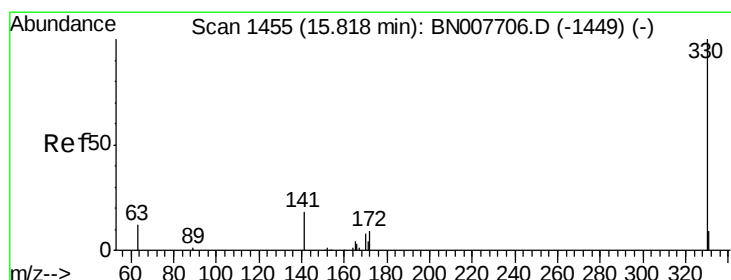
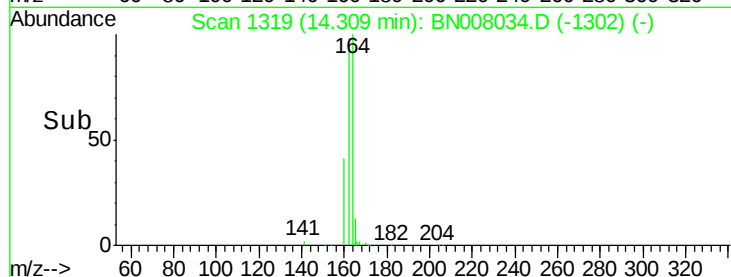
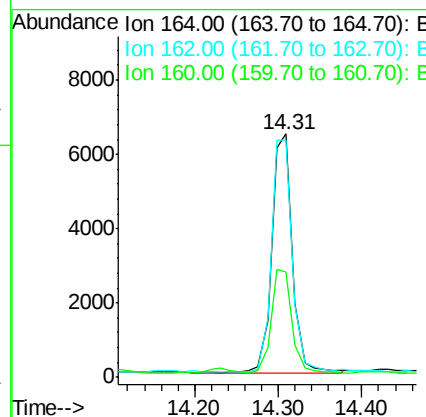
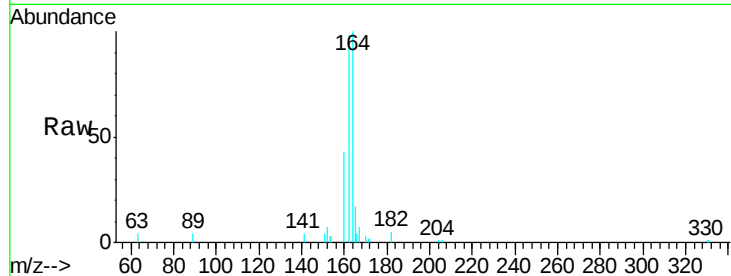
ClientSampleId :

EXT-024-SW072-092619

Tgt Ion:	164	Resp:	11040
Ion Ratio	Lower	Upper	
164	100		
162	97.6	81.7	122.5
160	43.1	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.238 ng

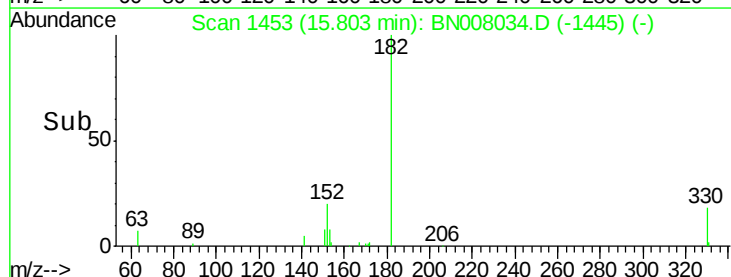
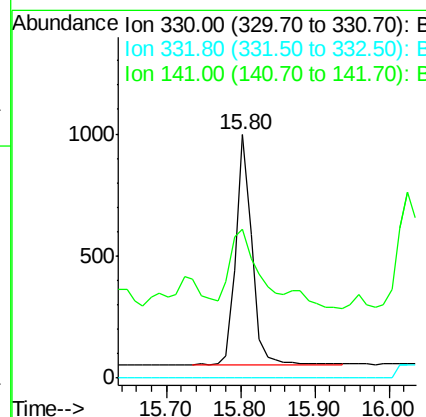
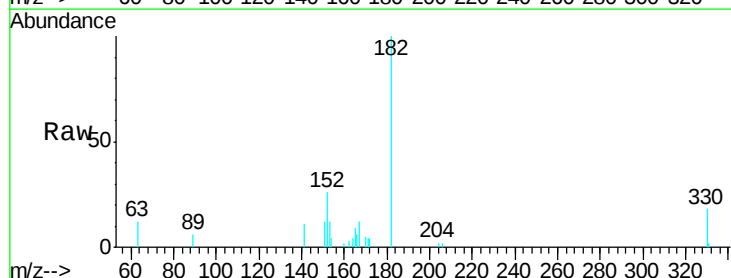
RT: 15.80 min Scan# 1453

Delta R.T. -0.02 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Tgt Ion:	330	Resp:	1432
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	47.7	28.7	43.1#





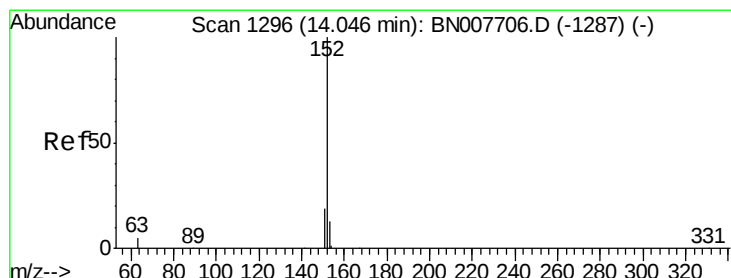
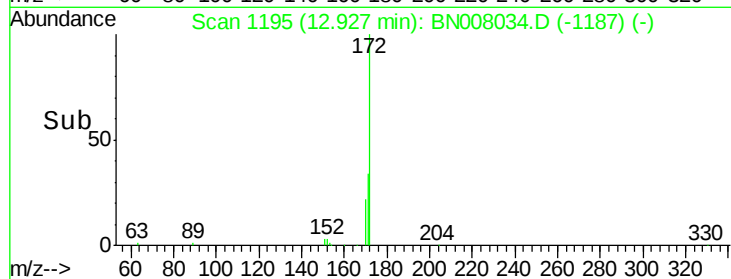
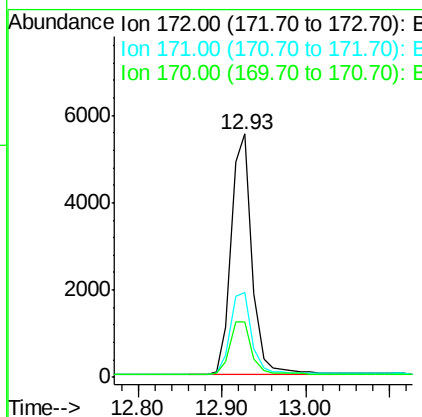
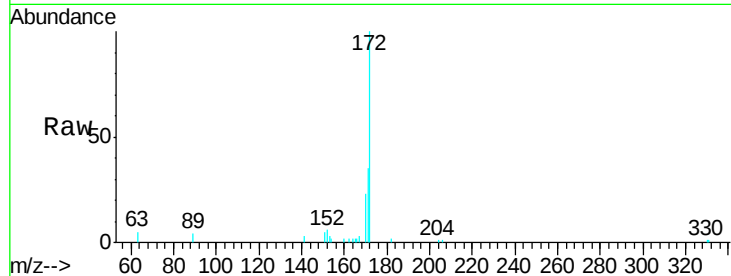
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2-Fluorobiphenyl
Concen: 0.211 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008034.D
Acq: 05 Oct 2019 20:02

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

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	22.8	19.5	29.3

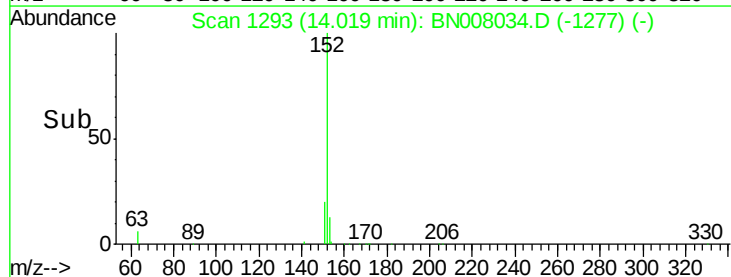
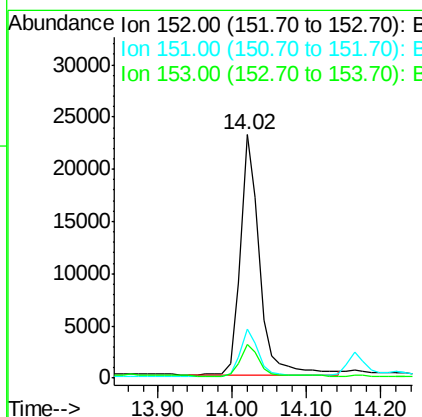
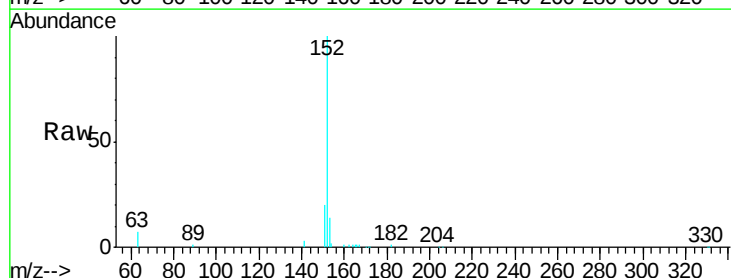
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#16
Acenaphthylene
Concen: 0.700 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008034.D
Acq: 05 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	13.2	10.4	15.6





#17

Acenaphthene

Concen: 0.624 ng

RT: 14.36 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

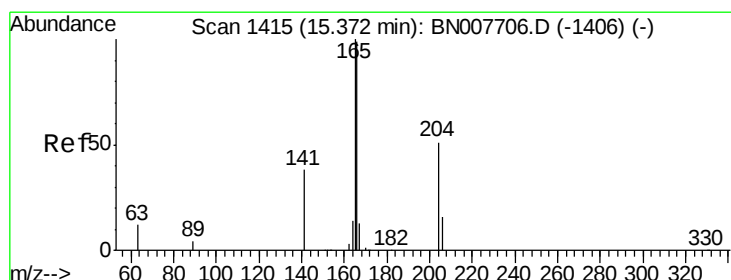
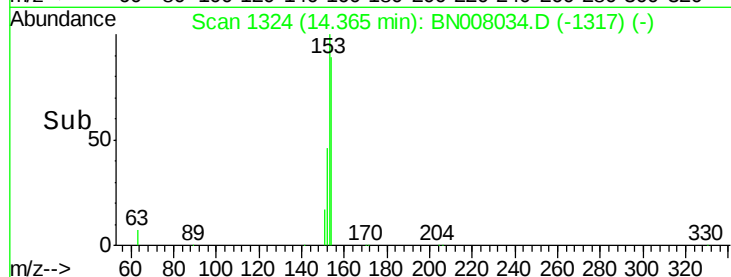
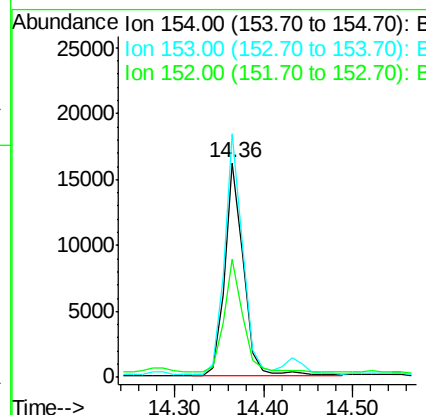
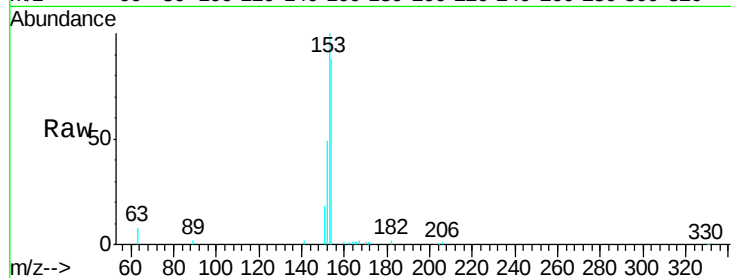
ClientSampleId :

EXT-024-SW072-092619

Tgt Ion:	154	Resp:	23567
Ion Ratio	Lower	Upper	
154	100		
153	110.8	87.0	130.4
152	54.3	42.7	64.1

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#18

Fluorene

Concen: 0.688 ng

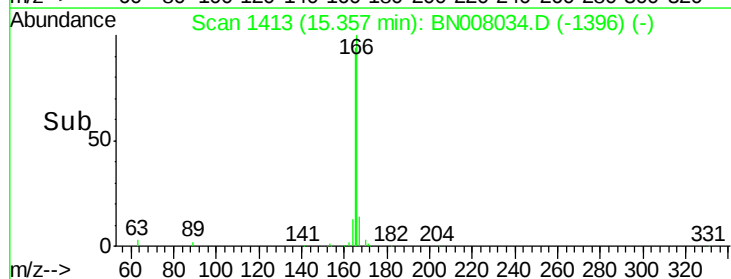
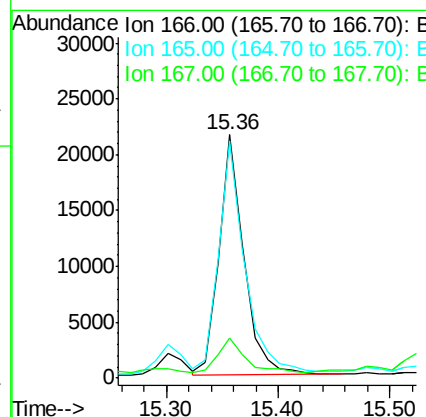
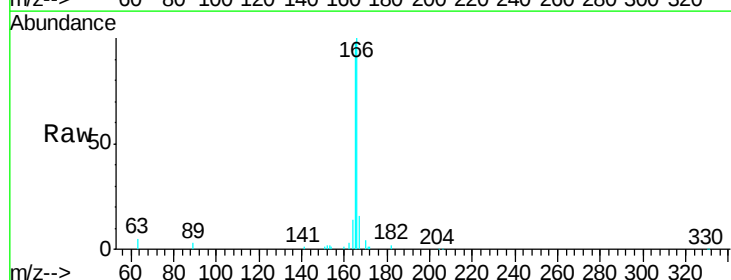
RT: 15.36 min Scan# 1413

Delta R.T. -0.02 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Tgt Ion:	166	Resp:	33296
Ion Ratio	Lower	Upper	
166	100		
165	100.5	78.0	117.0
167	15.1	10.9	16.3





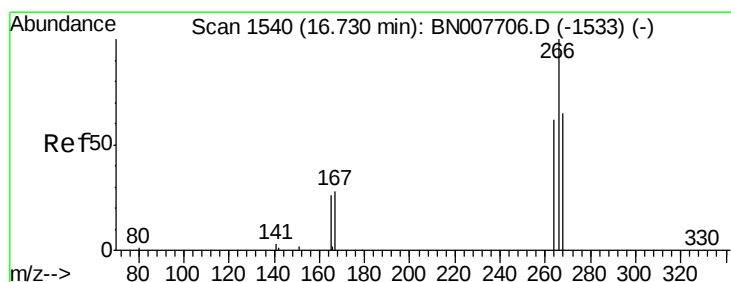
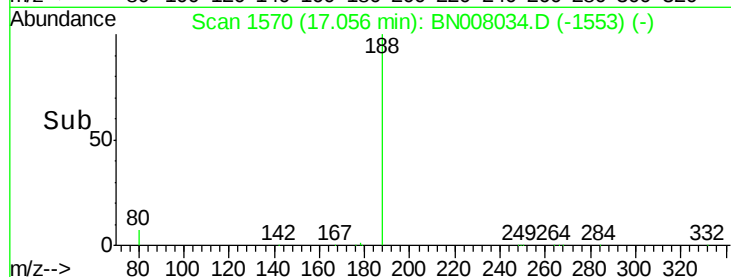
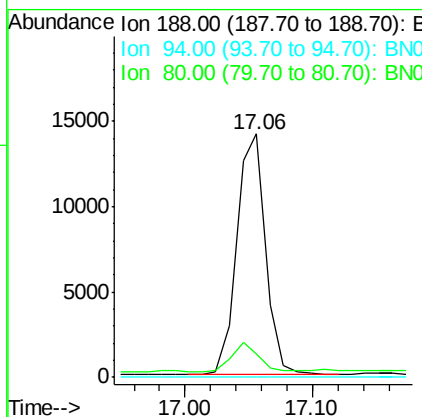
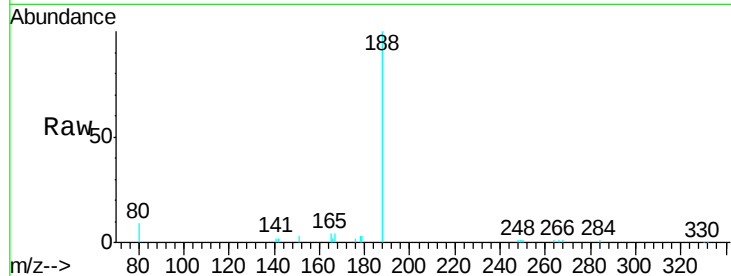
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN008034.D
Acq: 05 Oct 2019 20:02

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.4	11.2

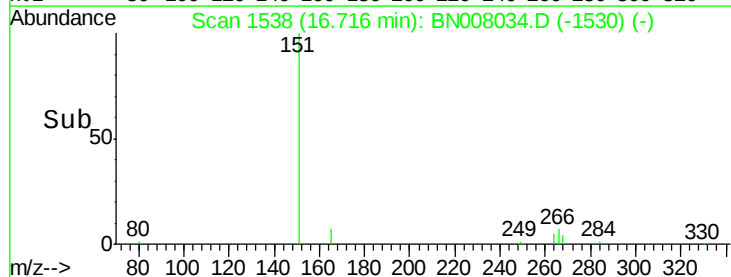
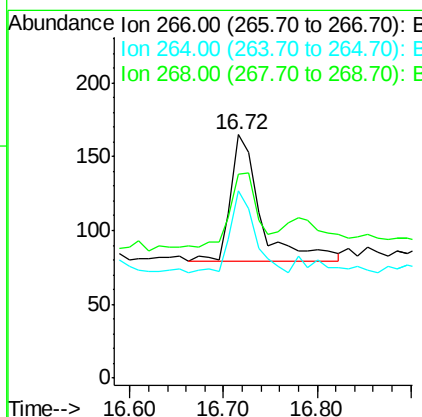
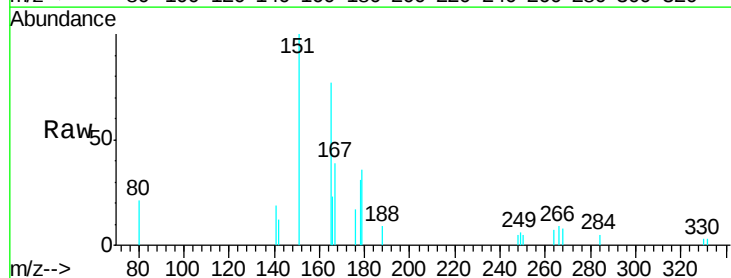
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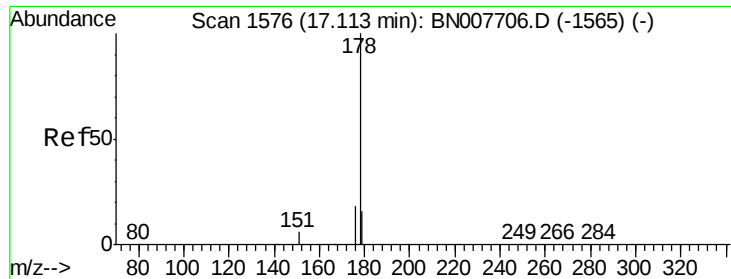
mohammad
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#22
Pentachlorophenol
Concen: 0.036 ng
RT: 16.72 min Scan# 1538
Delta R.T. -0.01 min
Lab File: BN008034.D
Acq: 05 Oct 2019 20:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	77.0	50.0	75.0#
268	83.6	54.2	81.4#





#23

Phenanthrene

Concen: 9.357 ng

RT: 17.09 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

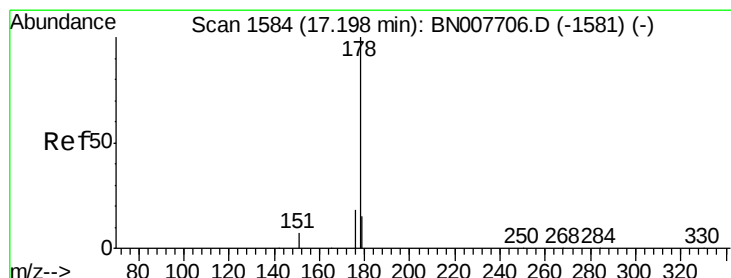
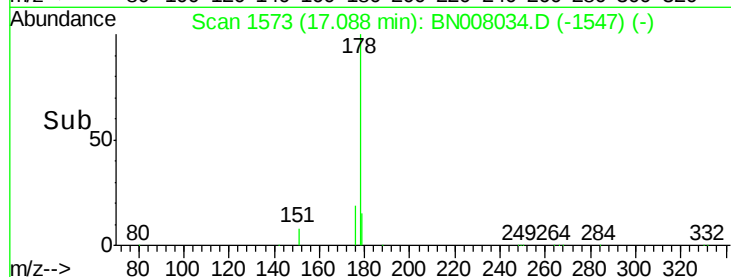
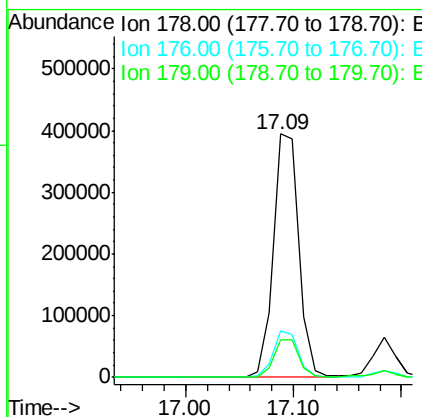
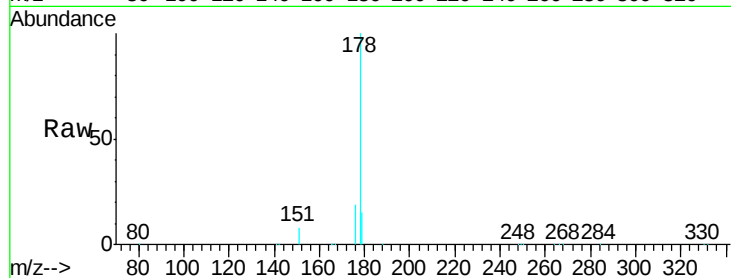
ClientSampleId :

EXT-024-SW072-092619

Tgt	Ion:178	Resp:	641720
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.5	12.5	18.7

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#24

Anthracene

Concen: 1.439 ng

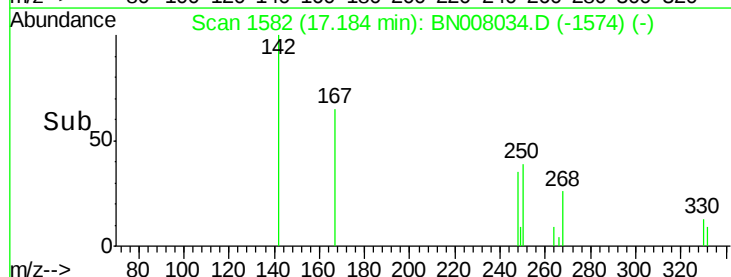
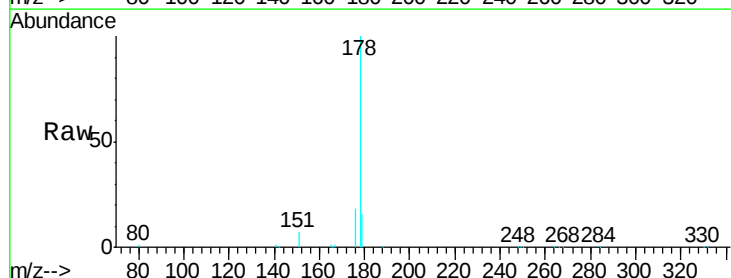
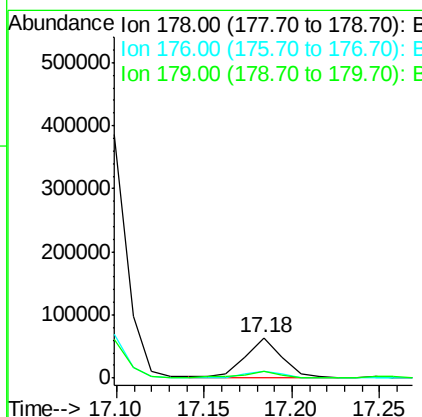
RT: 17.18 min Scan# 1582

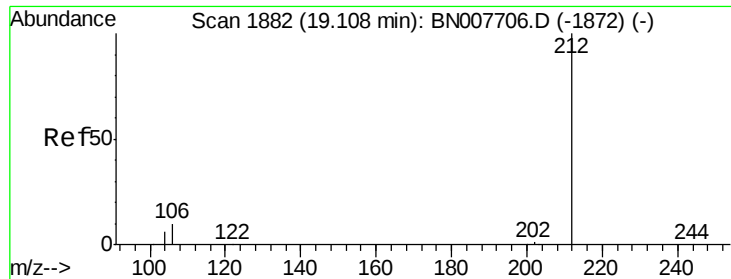
Delta R.T. -0.01 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Tgt	Ion:178	Resp:	89122
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	18.5	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.236 ng

RT: 19.09 min Scan# 1877

Delta R.T. -0.02 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

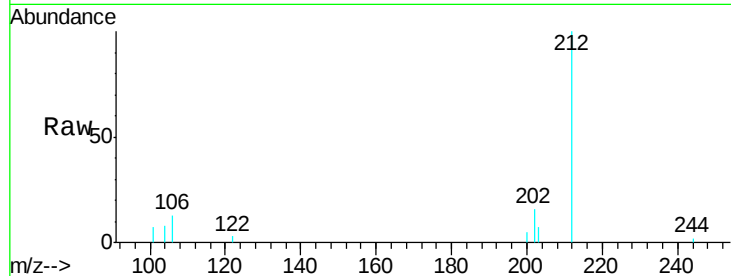
ClientSampleId :

EXT-024-SW072-092619

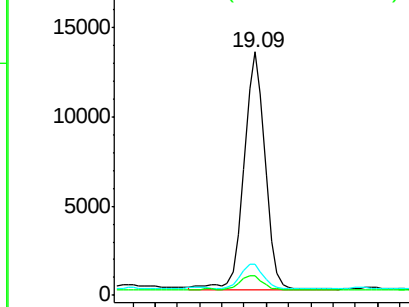
Tgt Ion:	212	Resp:	17492
Ion Ratio	Lower	Upper	
212	100		
106	11.3	9.4	14.0
104	6.7	5.3	7.9

Manual Integrations
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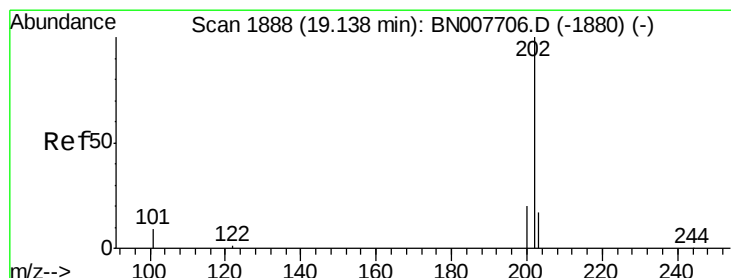
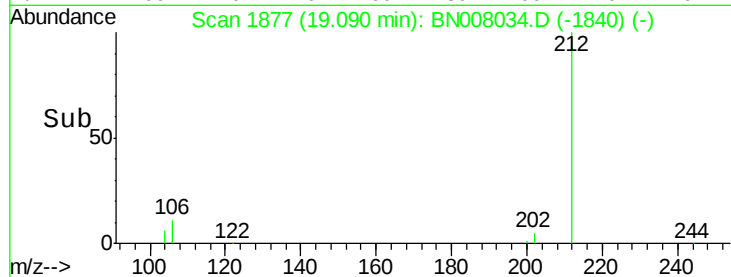
mohammad
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 11.022 ng

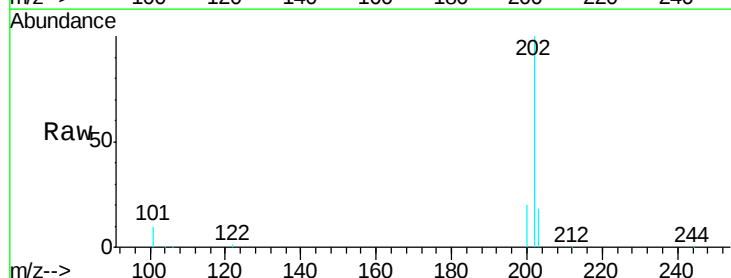
RT: 19.12 min Scan# 1883

Delta R.T. -0.02 min

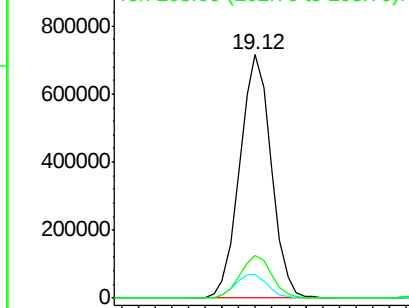
Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

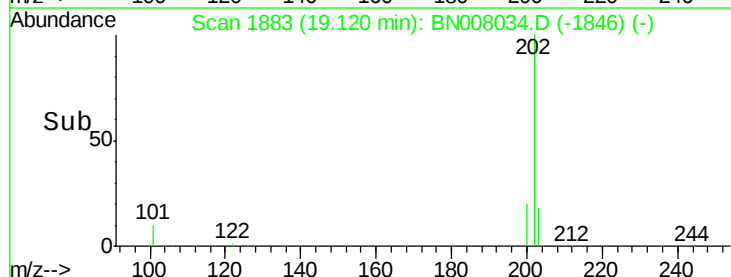
Tgt Ion:	202	Resp:	939937
Ion Ratio	Lower	Upper	
202	100		
101	10.1	8.4	12.6
203	17.6	13.8	20.8

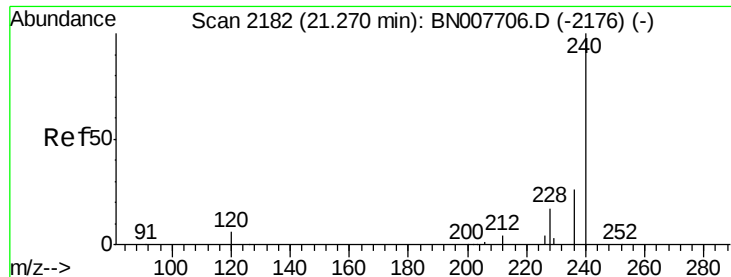


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

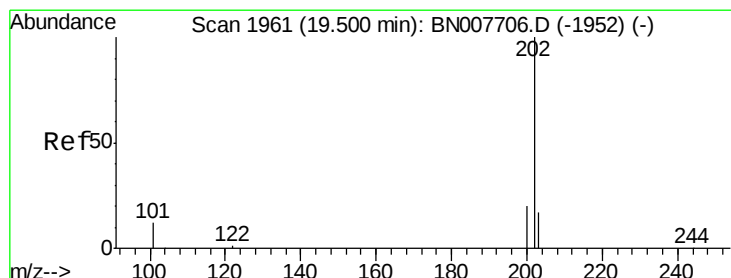
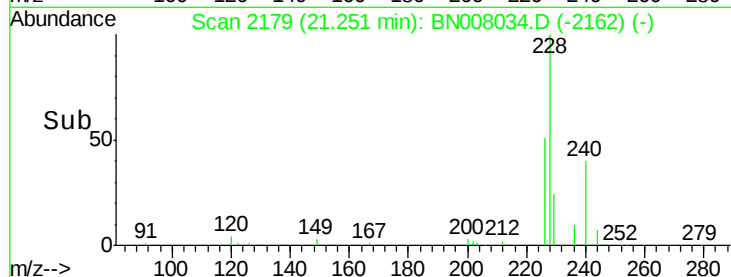
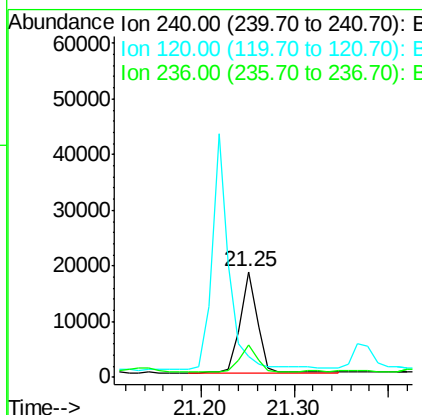
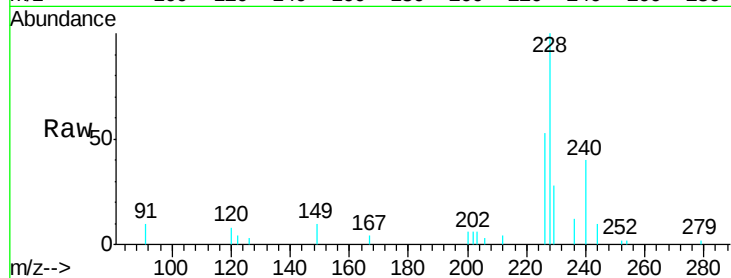
ClientSampleId :

EXT-024-SW072-092619

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.4	5.4	8.2#
236	30.2	21.0	31.4

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#28

Pyrene

Concen: 9.765 ng

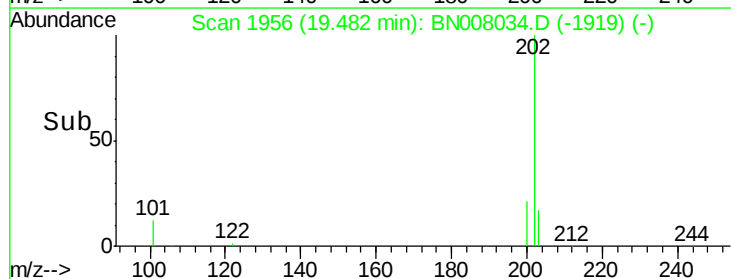
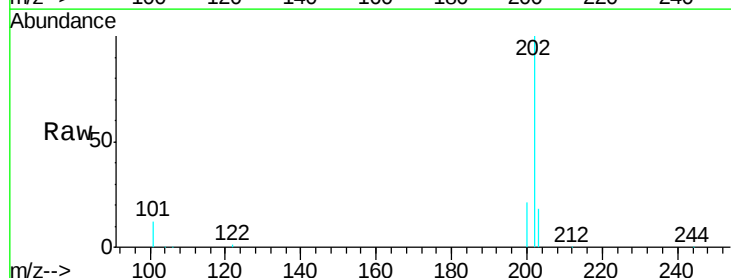
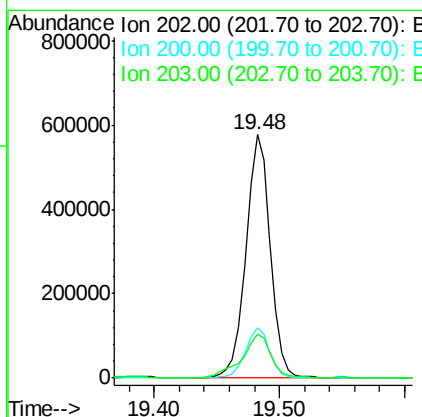
RT: 19.48 min Scan# 1956

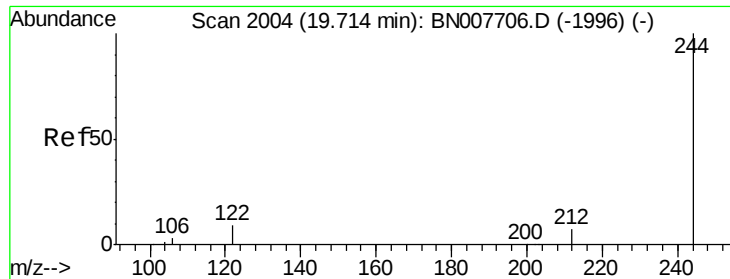
Delta R.T. -0.02 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

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





#29

Terphenyl-d14

Concen: 0.250 ng

RT: 19.69 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BN008034.D

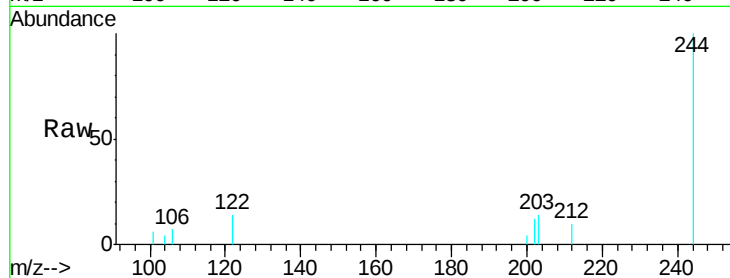
Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

ClientSampleId :

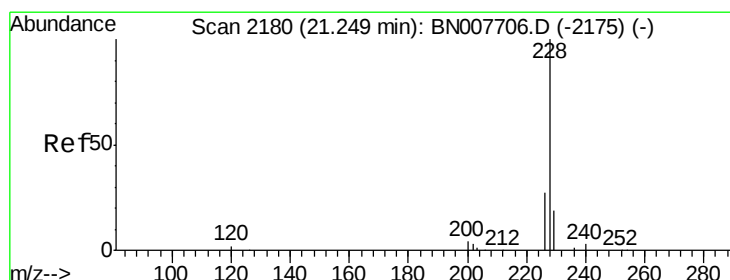
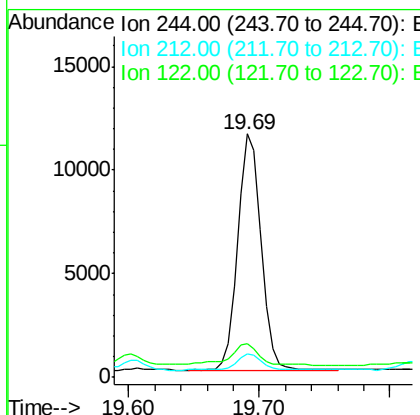
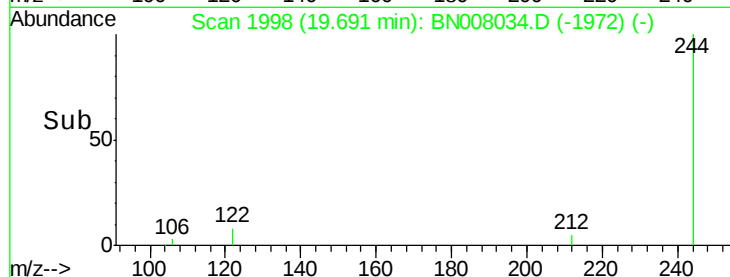
EXT-024-SW072-092619



Tgt Ion:	244	Resp:	14339
Ion Ratio	Lower	Upper	
244	100		
212	9.7	5.9	8.9#
122	13.8	7.4	11.2#

Manual Integrations
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#30

Benzo(a)anthracene

Concen: 4.203 ng

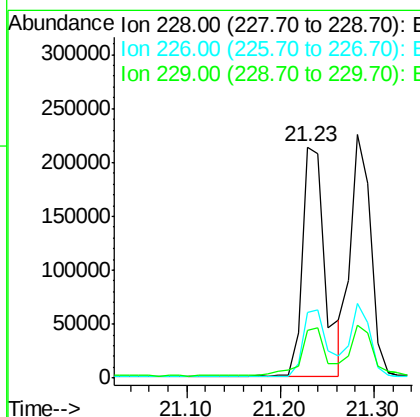
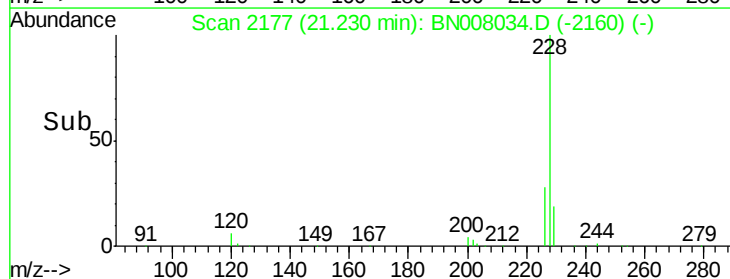
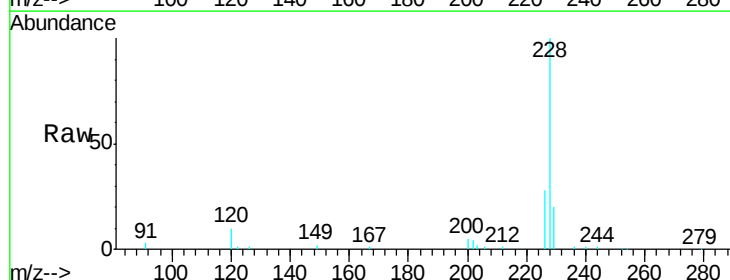
RT: 21.23 min Scan# 2177

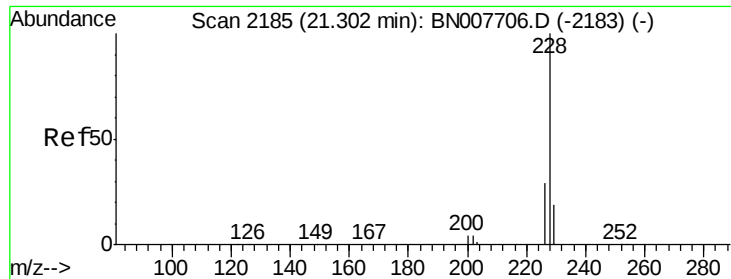
Delta R.T. -0.02 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Tgt Ion:	228	Resp:	361405
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.1	33.1
229	20.4	15.8	23.6





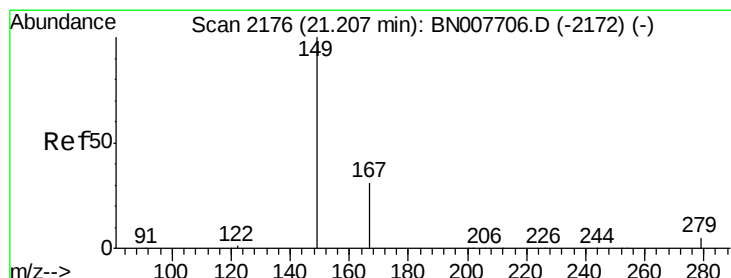
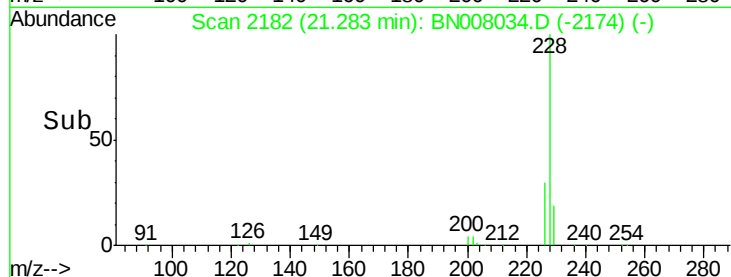
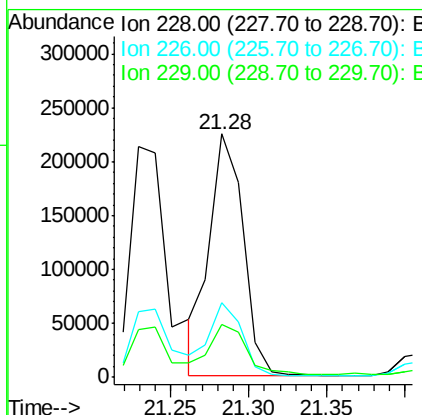
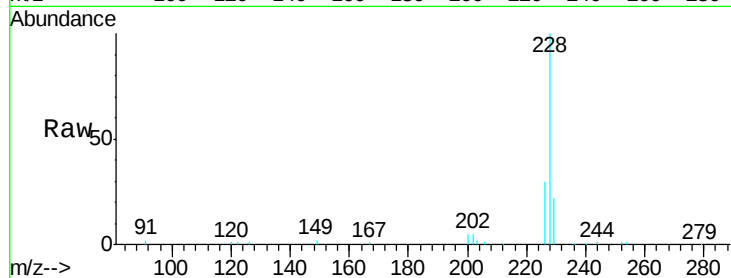
#31
Chrysene
 Concen: 4.006 ng
 RT: 21.28 min Scan# 2182
 Delta R.T. -0.02 min
 Lab File: BN008034.D
 Acq: 05 Oct 2019 20:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	335730		
226	30.5	23.9	35.9	
229	21.8	15.8	23.6	

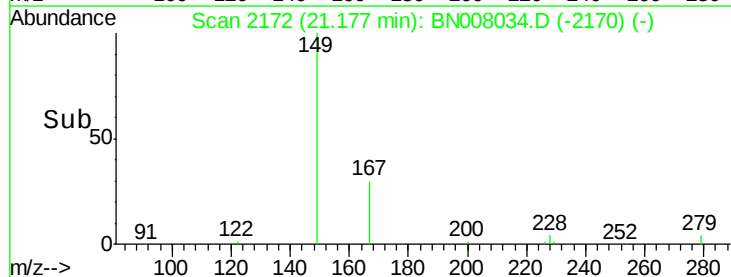
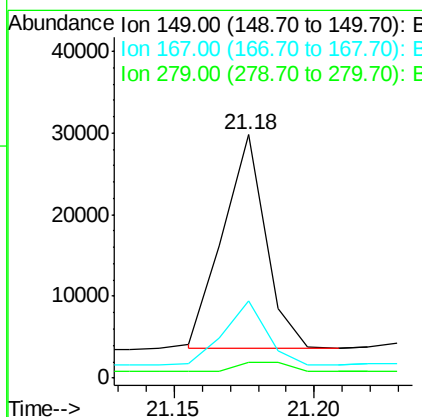
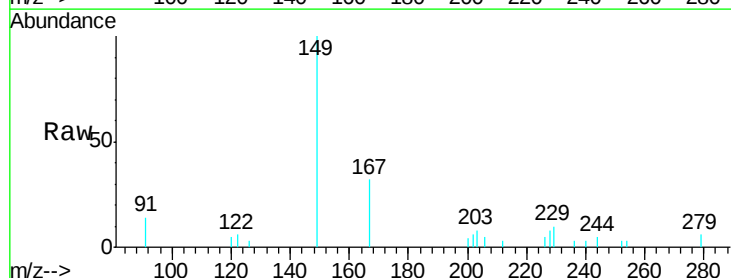
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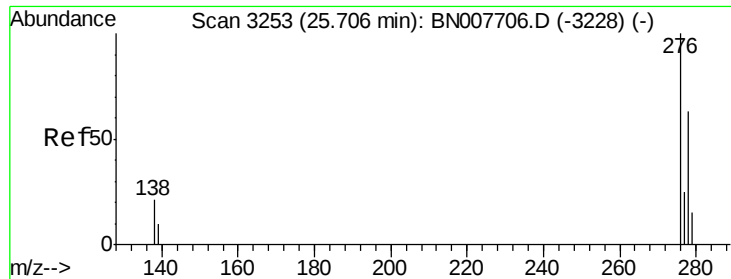
mohammad
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#32
Bis(2-ethylhexyl)phthalate
 Concen: 0.633 ng
 RT: 21.18 min Scan# 2172
 Delta R.T. -0.03 min
 Lab File: BN008034.D
 Acq: 05 Oct 2019 20:02

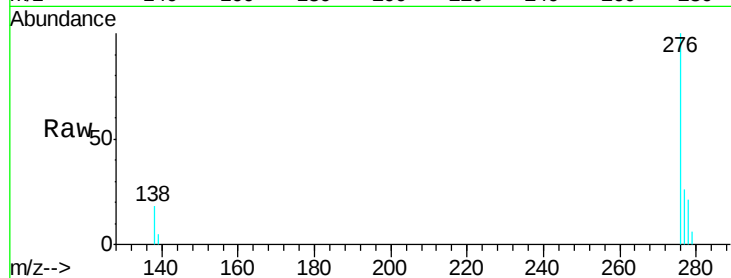
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	27999		
167	29.2	23.7	35.5	
279	5.6	4.2	6.2	





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 2.238 ng
 RT: 25.68 min Scan# 3243
 Delta R.T. -0.03 min
 Lab File: BN008034.D
 Acq: 05 Oct 2019 20:02

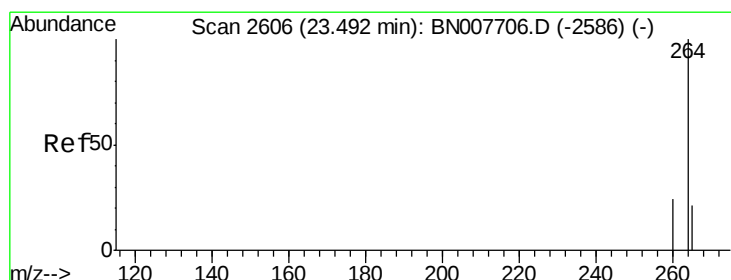
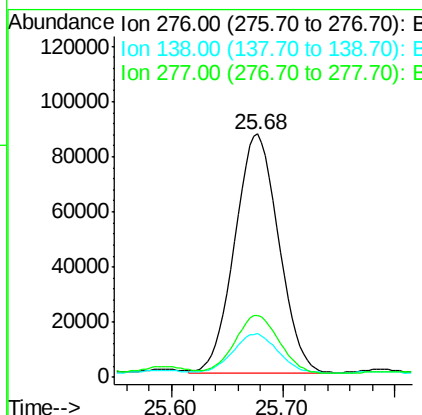
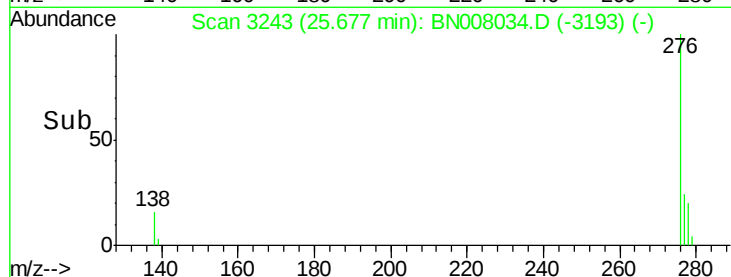
Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW072-092619



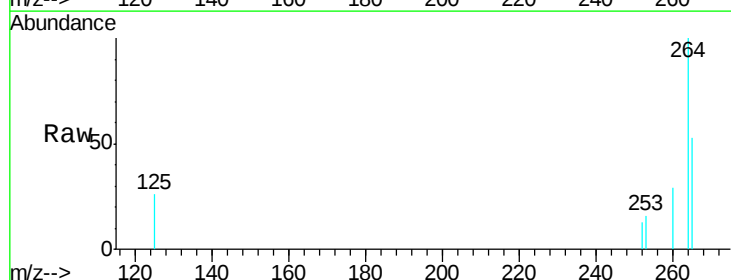
Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	17.1	25.7#
277	24.6	20.0	30.0

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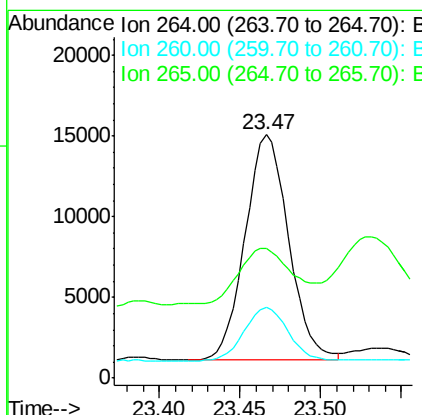
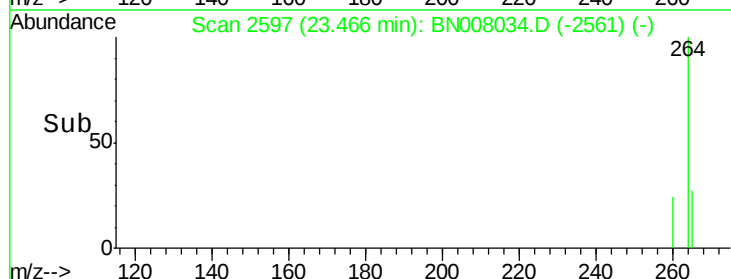
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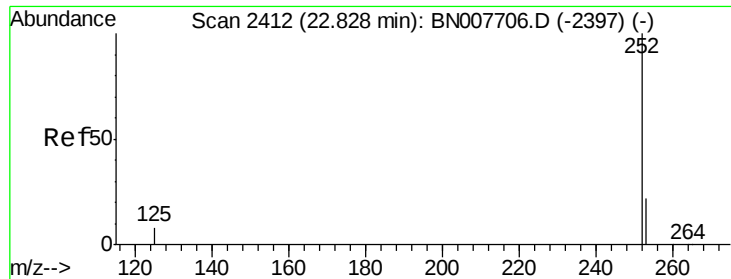


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2597
 Delta R.T. -0.03 min
 Lab File: BN008034.D
 Acq: 05 Oct 2019 20:02



Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.1	19.3	28.9#
265	53.3	26.9	40.3#





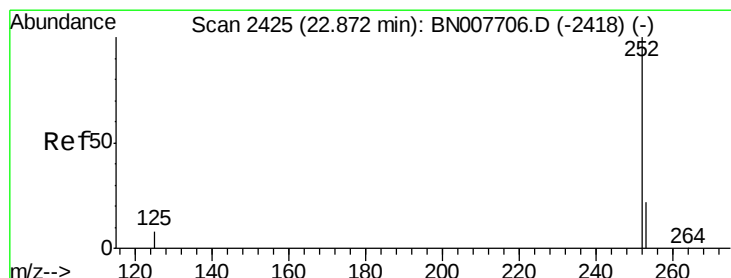
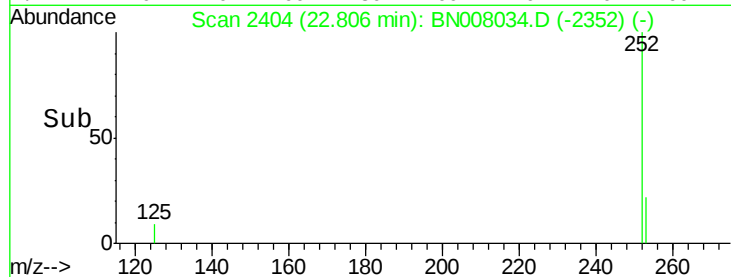
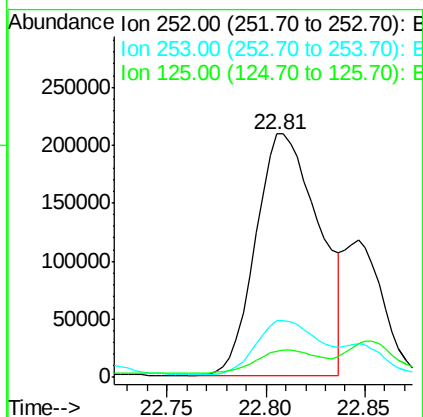
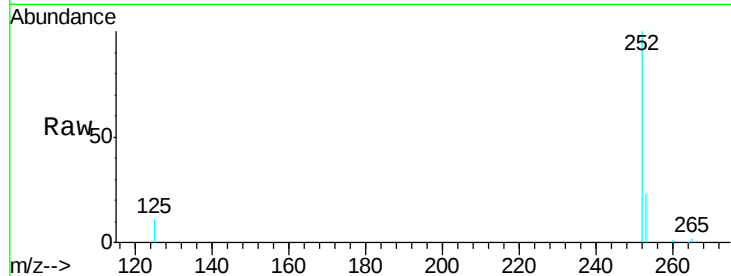
#35
Benzo(b)fluoranthene
Concen: 5.106 ng
RT: 22.81 min Scan# 2404
Delta R.T. -0.02 min
Lab File: BN008034.D
Acq: 05 Oct 2019 20:02

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.3	27.5
125	10.9	8.2	12.4

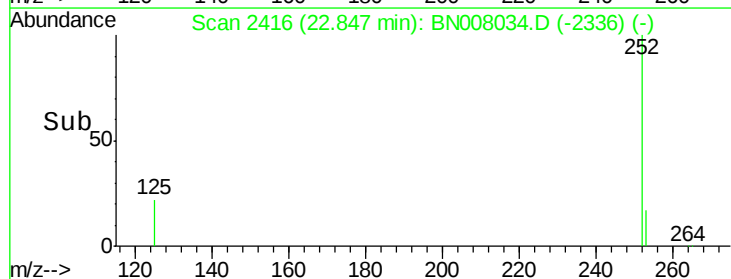
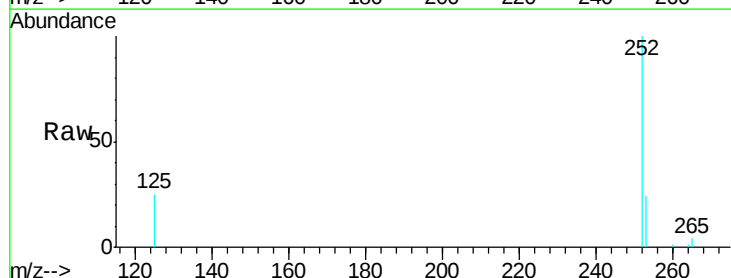
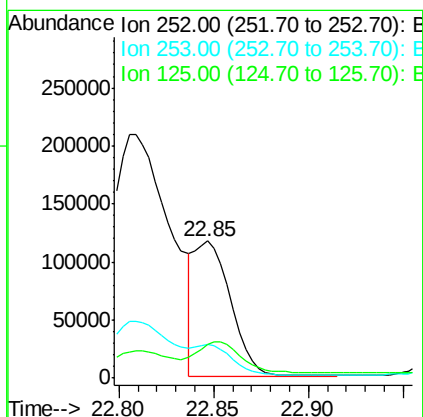
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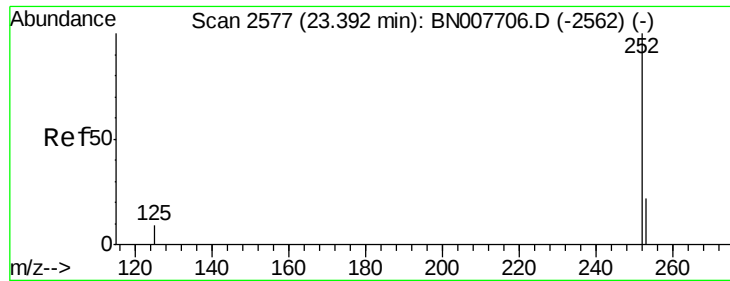
mohammad
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#36
Benzo(k)fluoranthene
Concen: 1.813 ng m
RT: 22.85 min Scan# 2416
Delta R.T. -0.03 min
Lab File: BN008034.D
Acq: 05 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	24.6	8.4	12.6#





#37

Benzo(a)pyrene

Concen: 3.562 ng

RT: 23.37 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

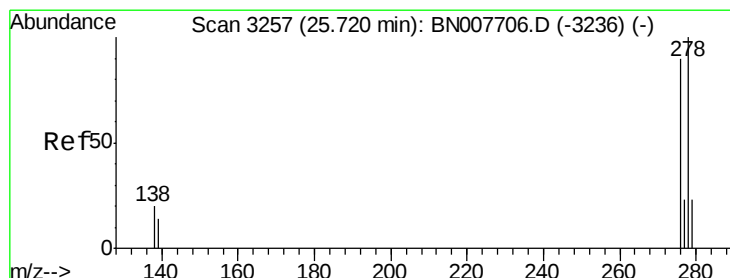
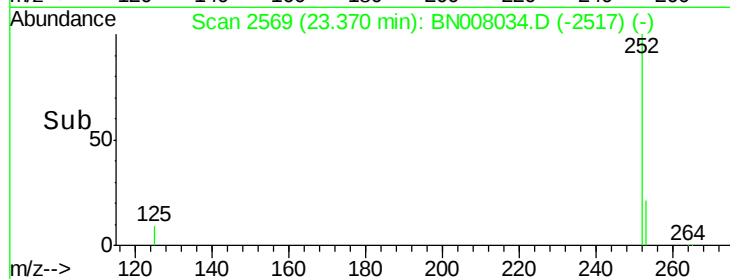
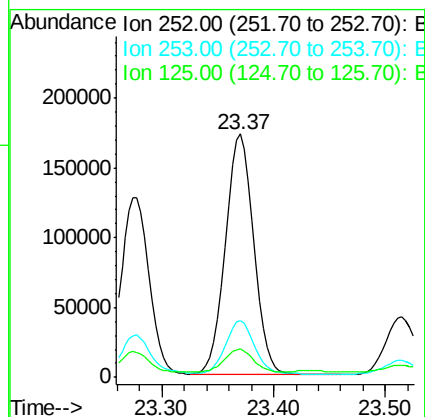
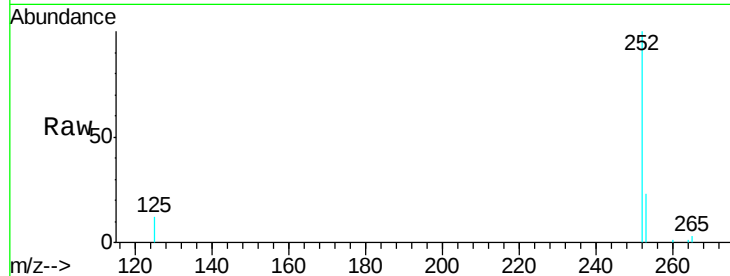
ClientSampleId :

EXT-024-SW072-092619

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	302929		
253	23.3	18.6	27.8	
125	11.5	9.4	14.0	

Manual Integrations
APPROVED

mohammad
10/7/2019 4:40:02 PM



#38

Dibenzo(a,h)anthracene

Concen: 0.634 ng

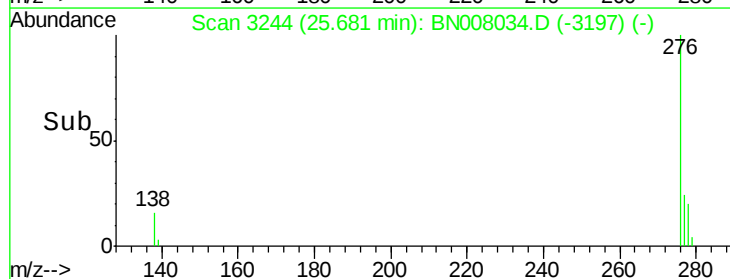
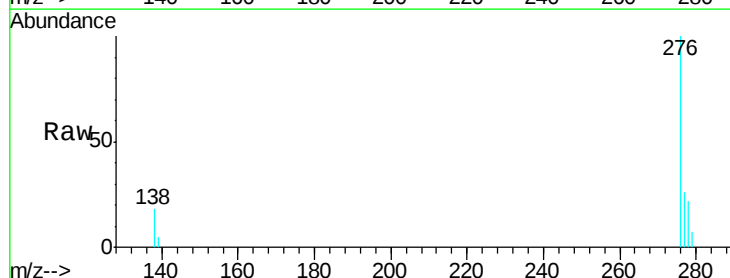
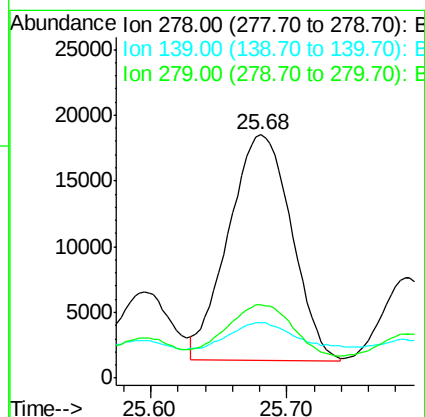
RT: 25.68 min Scan# 3244

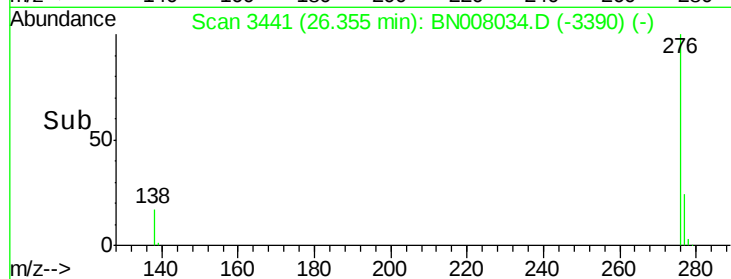
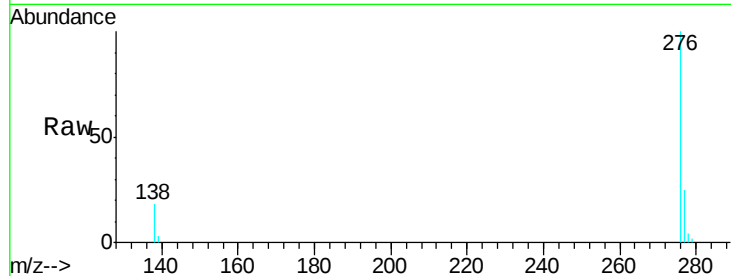
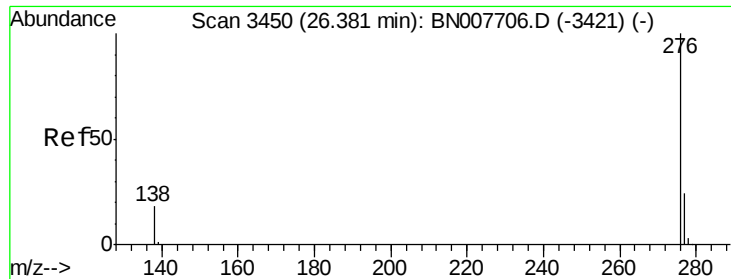
Delta R.T. -0.04 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	55180		
139	22.7	11.8	17.6#	
279	30.3	19.4	29.2#	





#39

Benzo(g,h,i)perylene

Concen: 2.706 ng

RT: 26.36 min Scan# 3441

Delta R.T. -0.03 min

Lab File: BN008034.D

Acq: 05 Oct 2019 20:02

Instrument :

BNA_N

ClientSampleId :

EXT-024-SW072-092619

Tgt Ion:	276	Resp:	233010
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.8	29.8
138	18.4	15.1	22.7

Manual Integrations
APPROVED

mohammad
10/7/2019 4:40:02 PM

