

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007968.D
 Acq On : 02 Oct 2019 16:42
 Operator : JU
 Sample : K5078-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 10/4/2019 8:16:22 AM

Quant Time: Oct 03 07:02:12 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	6508	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	26896	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	16931	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	35170	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	36018	0.40	ng	-0.02
34) Perylene-d12	23.47	264	38974	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	2127	0.09	ng	0.00
5) Phenol-d6	6.87	99	2887	0.10	ng	0.00
8) Nitrobenzene-d5	8.82	82	2183	0.09	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	4837	0.11	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	819	0.09	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	6427	0.09	ng	-0.01
25) Fluoranthene-d10	19.09	212	10977	0.09	ng	-0.02
29) Terphenyl-d14	19.70	244	9217	0.10	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	2462	0.033	ng	# 75
12) 2-Methylnaphthalene	12.12	142	1992	0.039	ng	# 85
16) Acenaphthylene	14.03	152	39752	0.443	ng	99
17) Acenaphthene	14.37	154	1771	0.031	ng	92
18) Fluorene	15.36	166	5839	0.079	ng	# 12
22) Pentachlorophenol	16.72	266	196	0.023	ng	# 84
23) Phenanthrene	17.10	178	90047	0.822	ng	100
24) Anthracene	17.19	178	36031	0.364	ng	99
26) Fluoranthene	19.12	202	198033	1.454	ng	99
28) Pyrene	19.48	202	212620	1.731	ng	96
30) Benzo(a)anthracene	21.24	228	112795	0.850	ng	92
31) Chrysene	21.29	228	126086	0.975	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	57736	0.846	ng	97
33) Indeno(1,2,3-cd)pyrene	25.68	276	92260	0.570	ng	96
35) Benzo(b)fluoranthene	22.81	252	175367	1.296	ng	# 93
36) Benzo(k)fluoranthene	22.85	252	46534m	0.348	ng	
37) Benzo(a)pyrene	23.37	252	115545	0.909	ng	# 93
38) Dibenzo(a,h)anthracene	25.69	278	27459	0.211	ng	# 59
39) Benzo(g,h,i)perylene	26.36	276	110492	0.858	ng	95

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

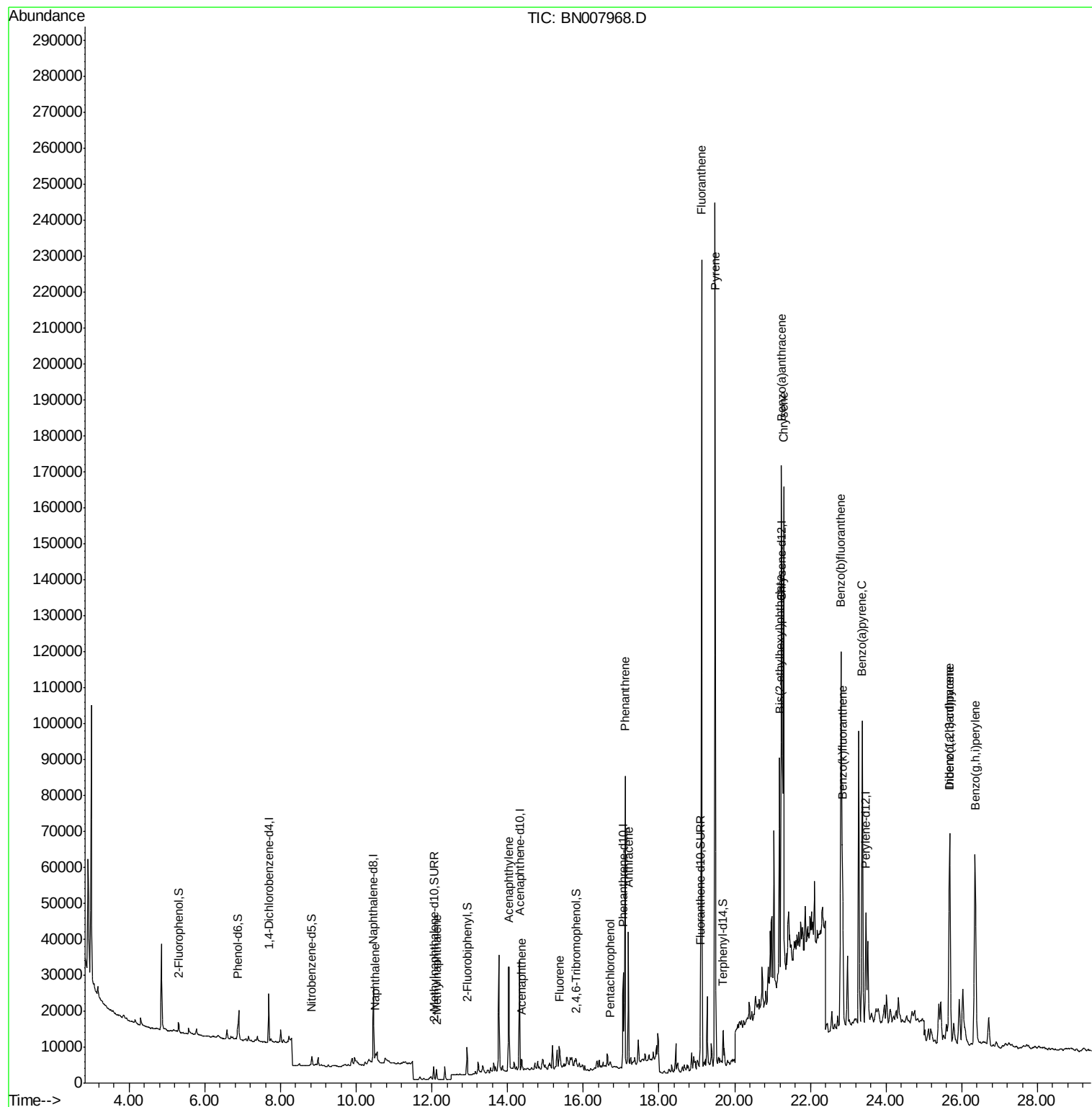
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
Data File : BN007968.D
Acq On : 02 Oct 2019 16:42
Operator : JU
Sample : K5078-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

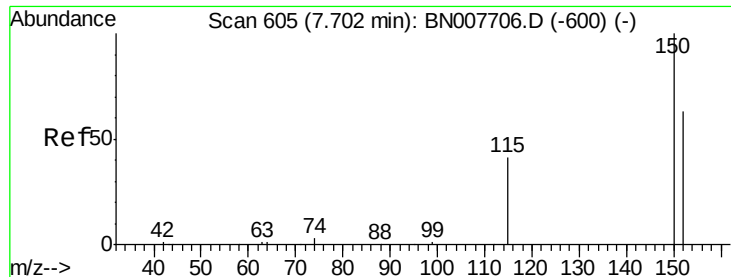
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW068-092619

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10/4/2019 8:16:22 AM

Quant Time: Oct 03 07:02:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

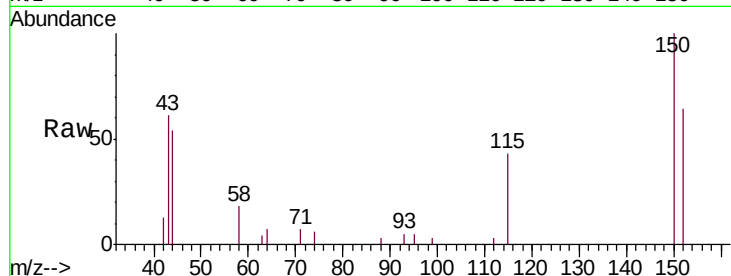
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.6	188.4
115	67.2	53.3	79.9

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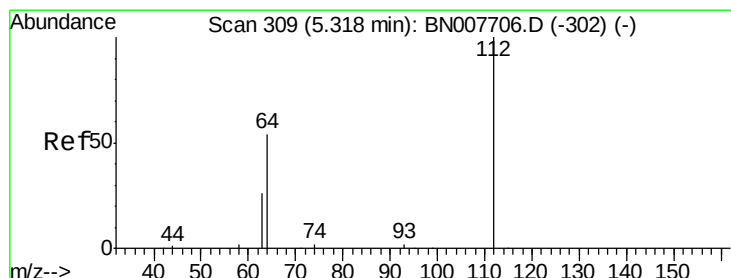
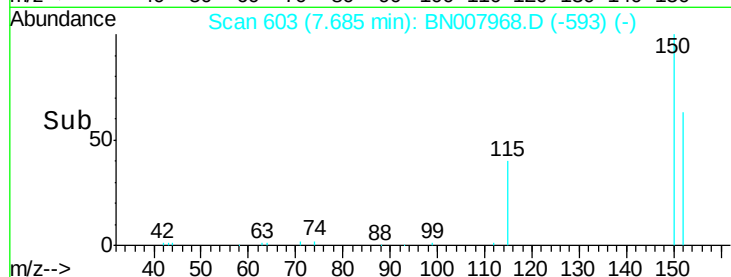
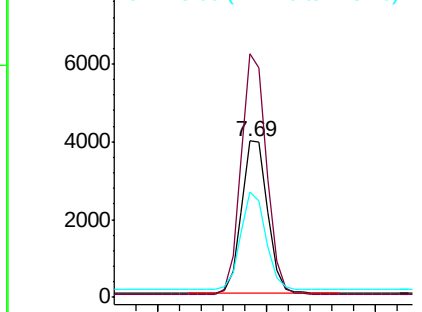


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

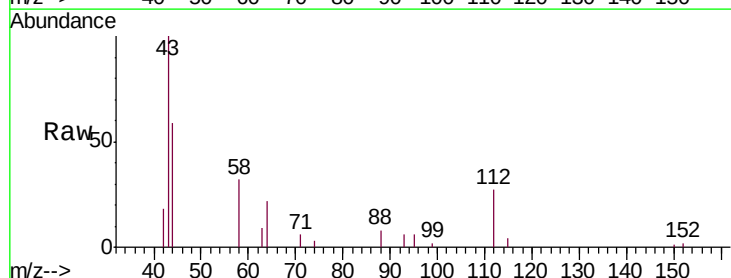
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.095 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.0	46.6	70.0#
63	28.2	23.1	34.7

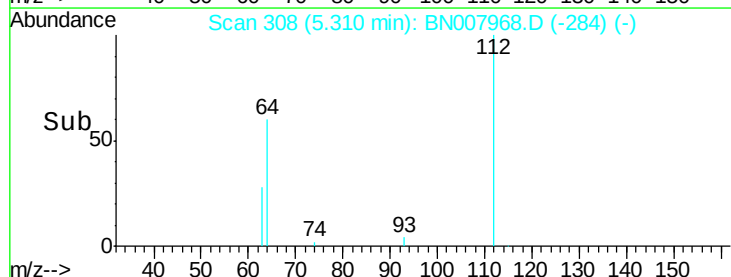
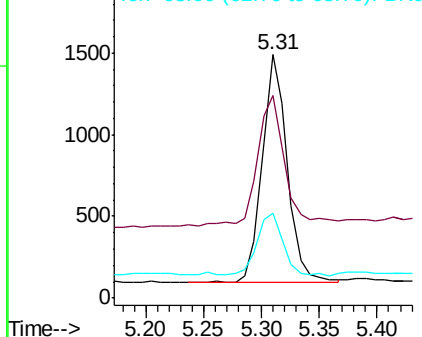


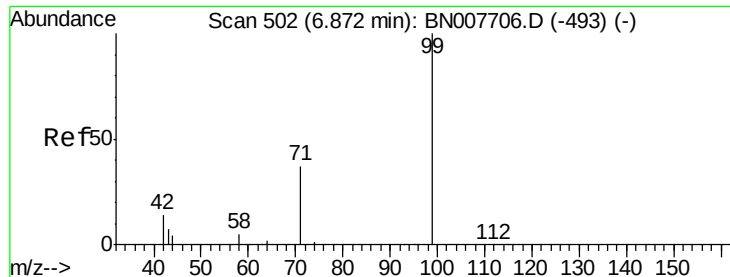
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.099 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Instrument :

BNA_N

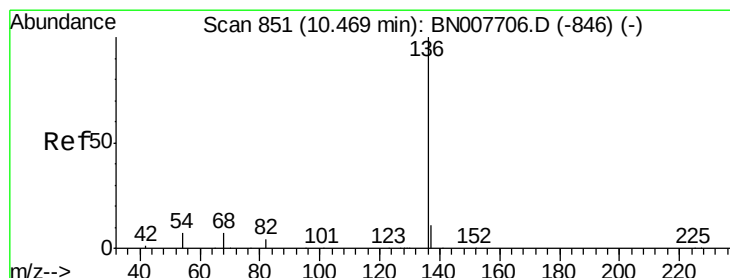
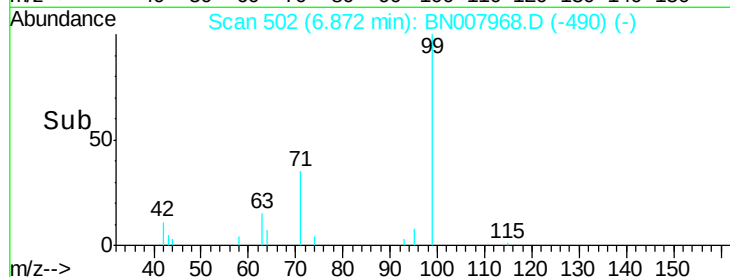
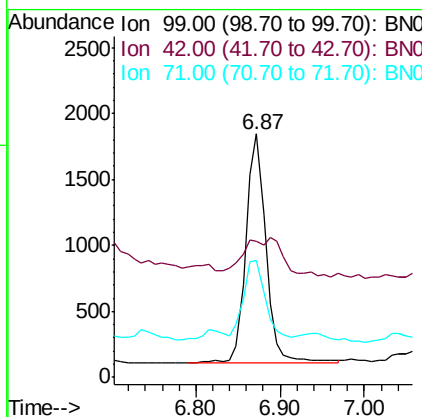
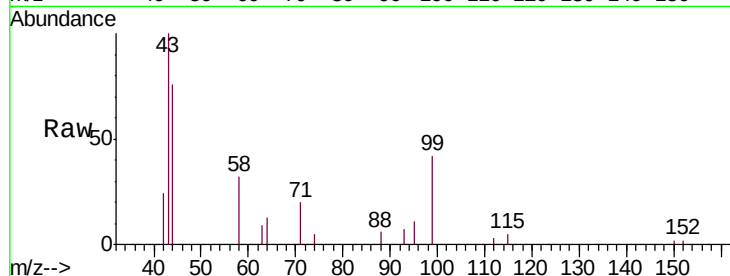
ClientSampleId :

EXT-024-SW068-092619

Tgt Ion:	99	Resp:	2887
Ion	Ratio	Lower	Upper
99	100		
42	33.2	12.8	19.2#
71	38.9	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

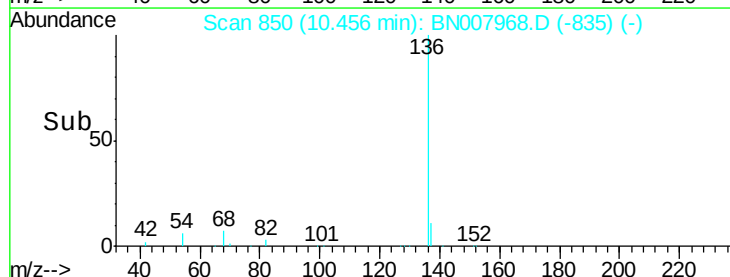
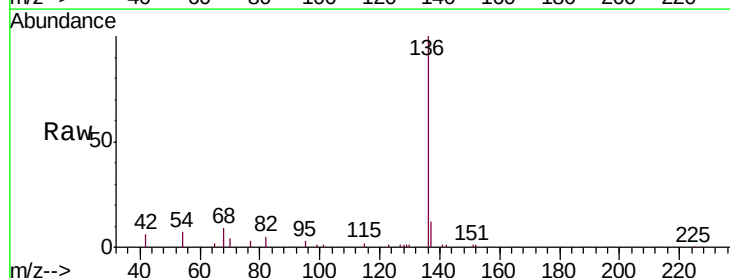
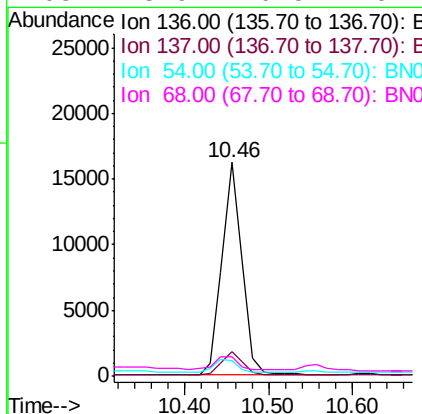
RT: 10.46 min Scan# 850

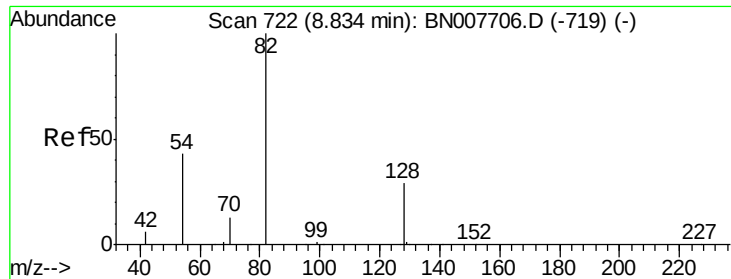
Delta R.T. -0.01 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Tgt Ion:	136	Resp:	26896
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.1	5.8	8.8
68	8.9	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.093 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Instrument :

BNA_N

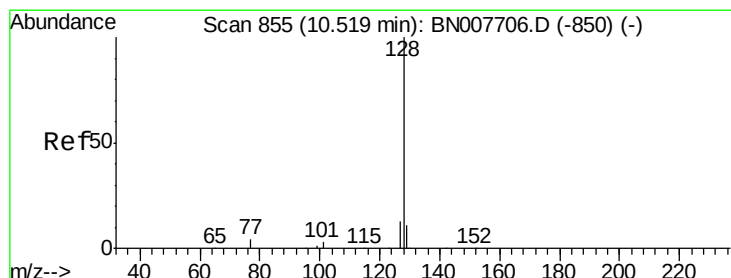
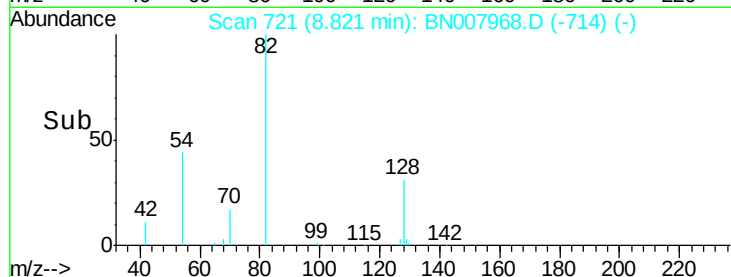
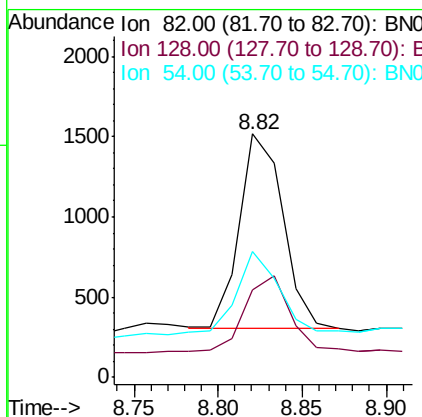
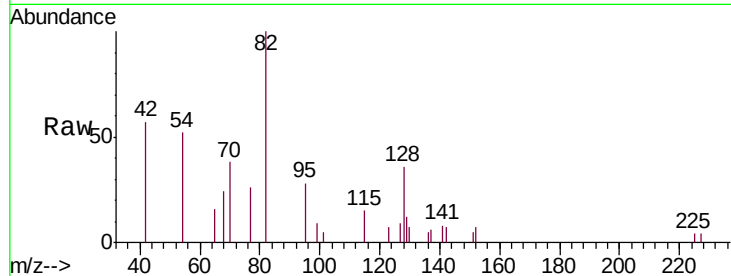
ClientSampleId :

EXT-024-SW068-092619

Tgt Ion:	82	Resp:	2183
Ion Ratio	Lower	Upper	
82	100		
128	35.7	24.5	36.7
54	51.6	35.2	52.8

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#9

Naphthalene

Concen: 0.033 ng

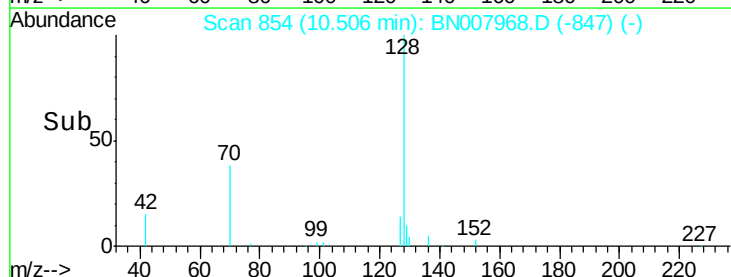
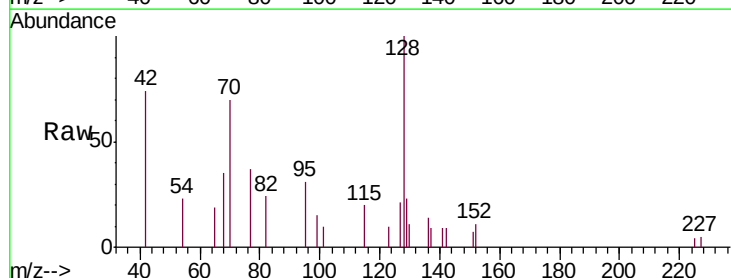
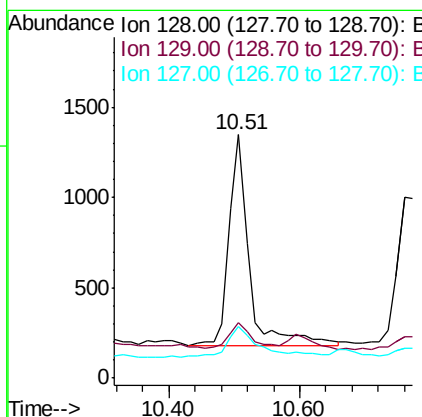
RT: 10.51 min Scan# 854

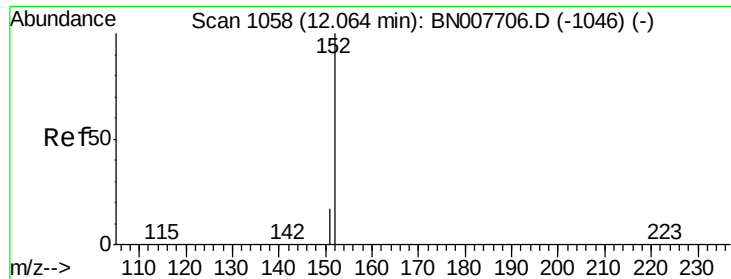
Delta R.T. -0.01 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Tgt Ion:	128	Resp:	2462
Ion Ratio	Lower	Upper	
128	100		
129	22.9	9.1	13.7#
127	21.1	10.6	15.8#





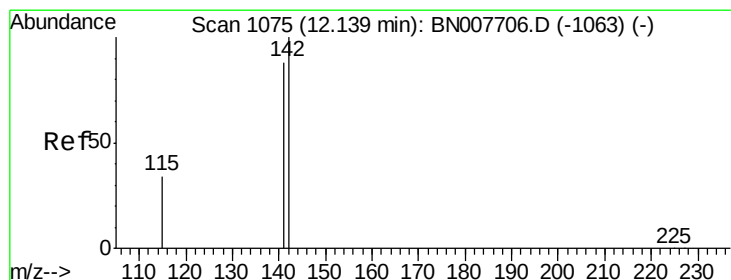
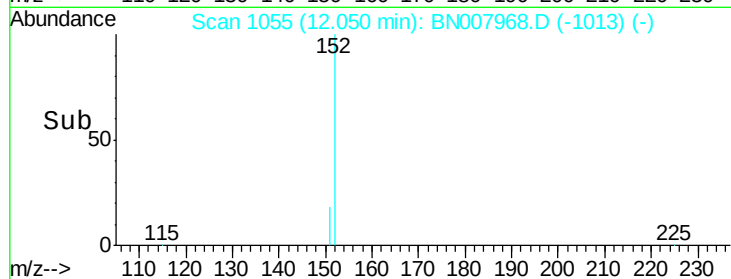
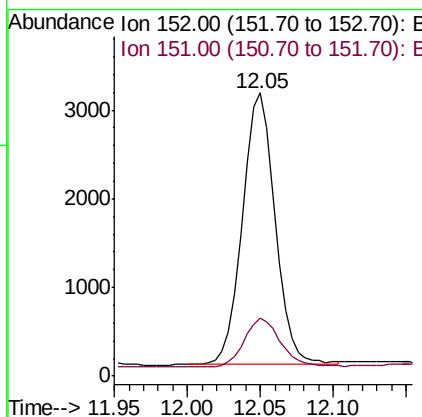
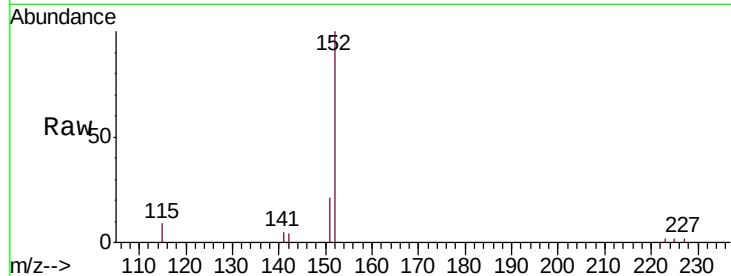
#11
 2-Methylnaphthalene-d10
 Concen: 0.107 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007968.D
 Acq: 02 Oct 2019 16:42

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

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2

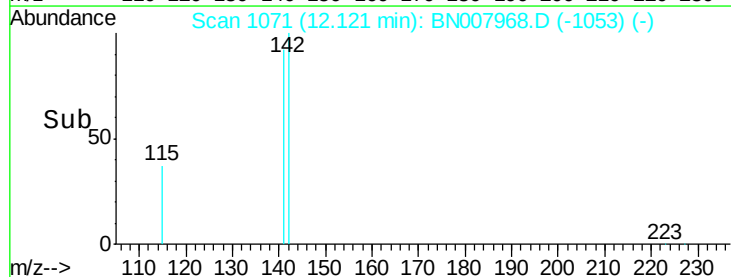
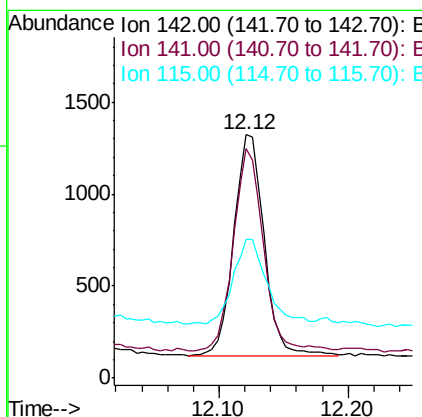
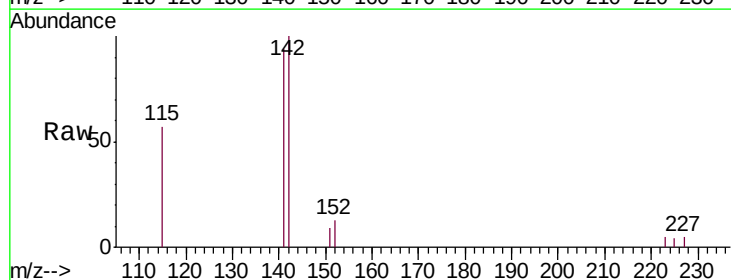
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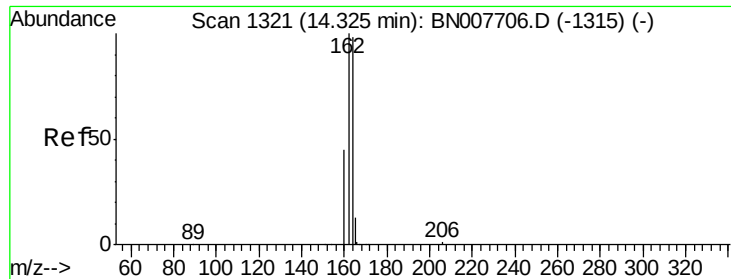
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#12
 2-Methylnaphthalene
 Concen: 0.039 ng
 RT: 12.12 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: BN007968.D
 Acq: 02 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.4	70.6	106.0
115	57.1	28.3	42.5#





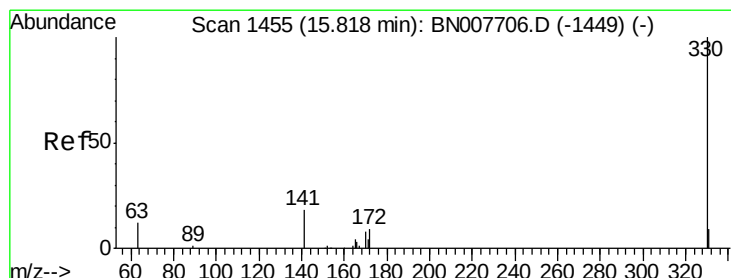
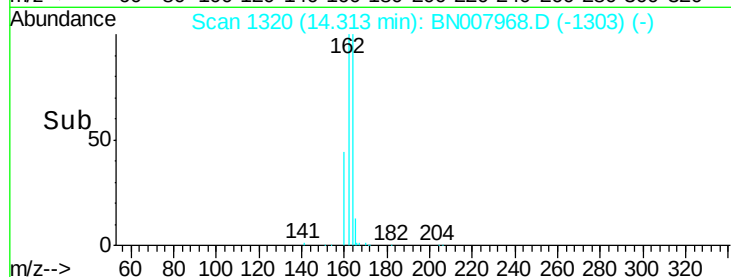
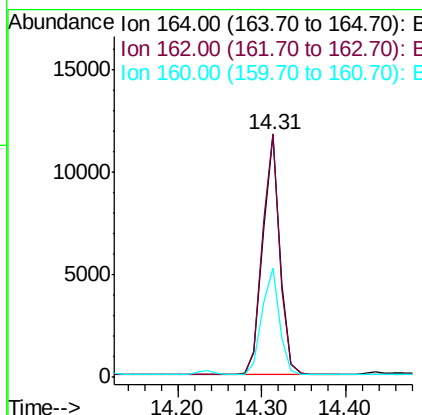
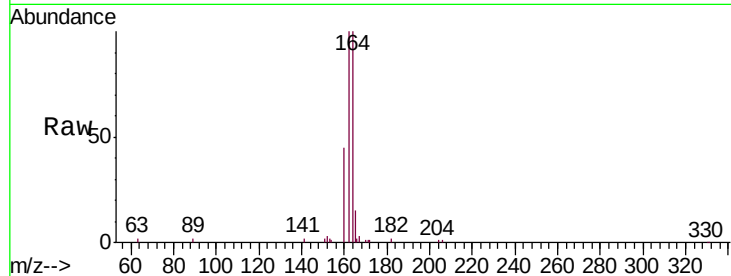
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BN007968.D
 Acq: 02 Oct 2019 16:42

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

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.7	122.5
160	44.9	37.0	55.4

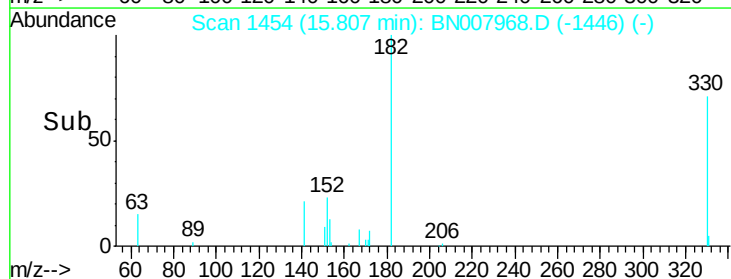
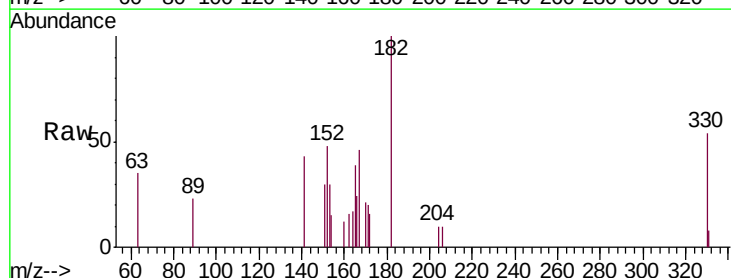
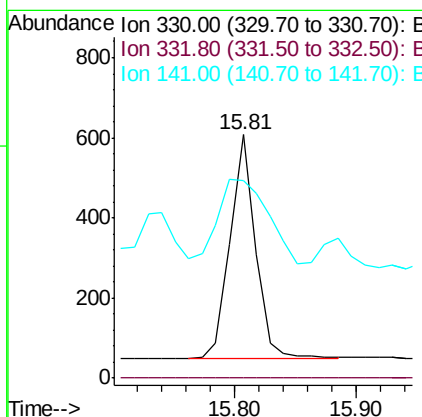
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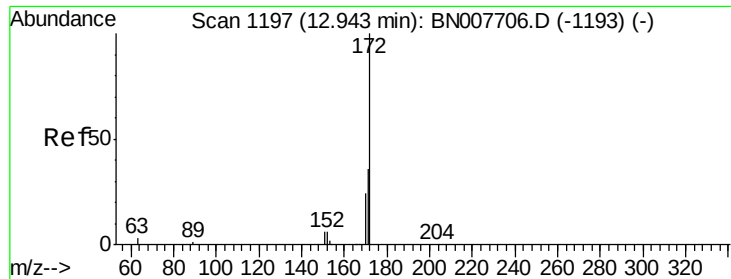
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#14
 2,4,6-Tribromophenol
 Concen: 0.089 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007968.D
 Acq: 02 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	73.1	28.7	43.1#





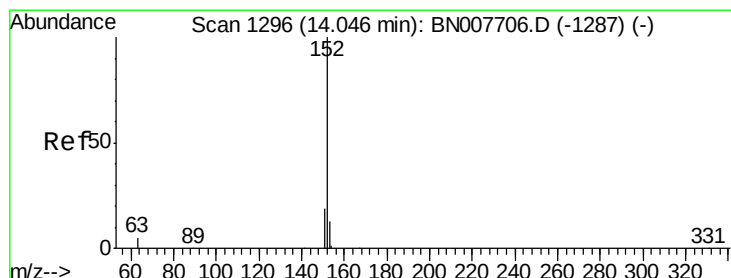
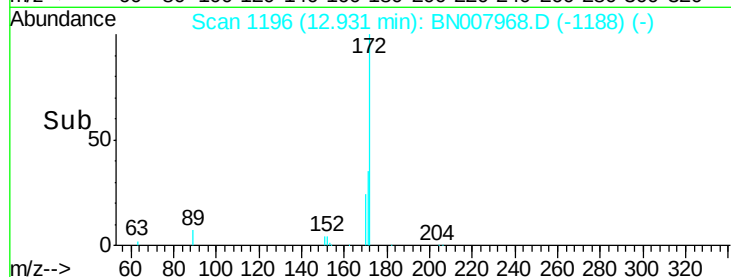
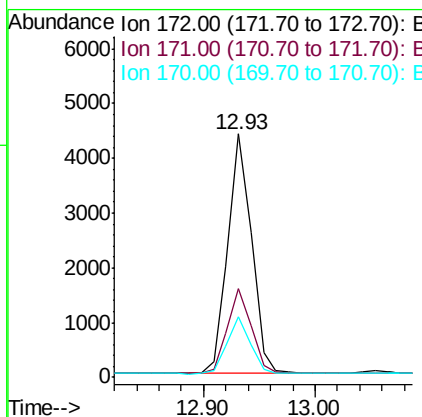
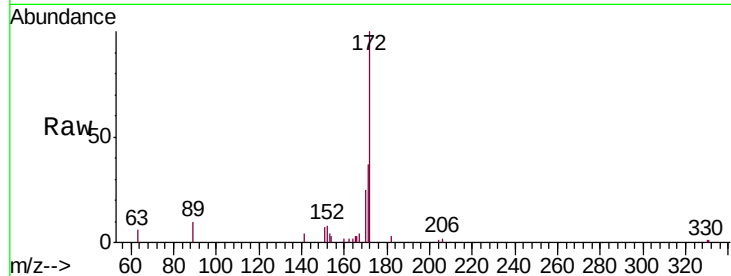
#15
2-Fluorobiphenyl
Concen: 0.092 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

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

Tgt Ion:	172	Resp:	6427
Ion Ratio	Lower	Upper	
172	100		
171	36.5	28.8	43.2
170	24.8	19.5	29.3

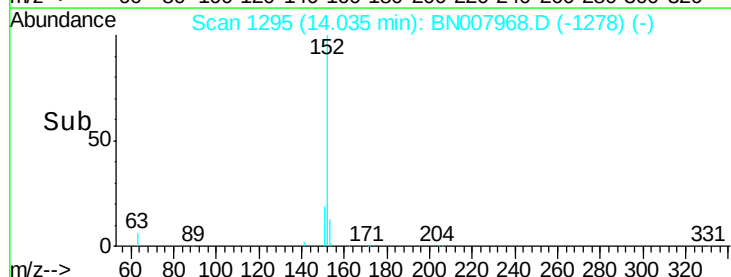
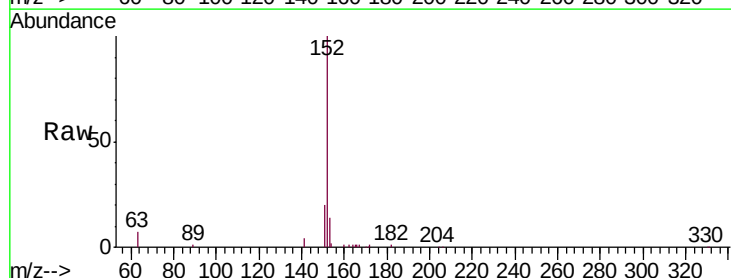
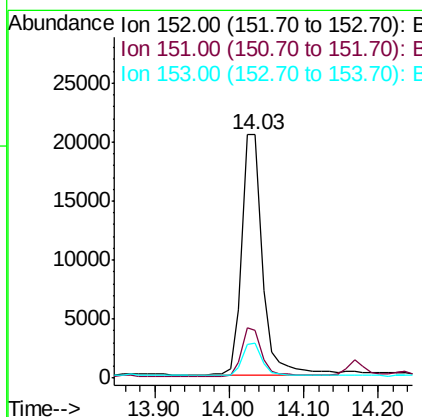
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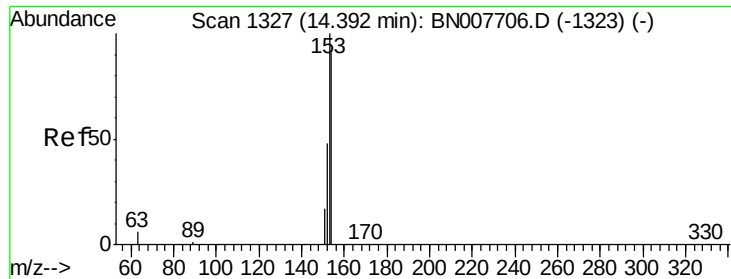
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#16
Acenaphthylene
Concen: 0.443 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

Tgt Ion:	152	Resp:	39752
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.5	23.3
153	13.1	10.4	15.6





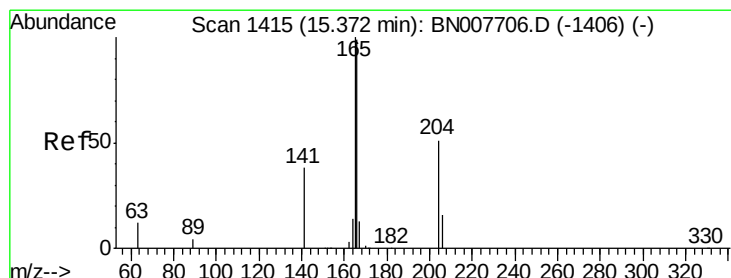
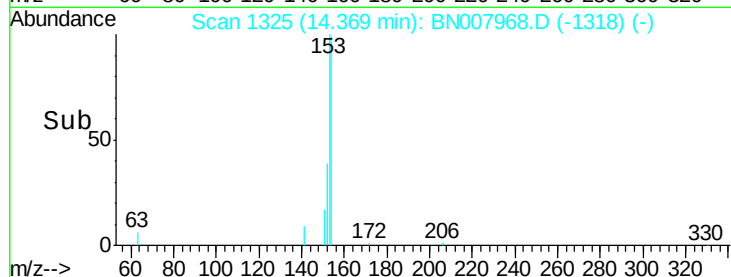
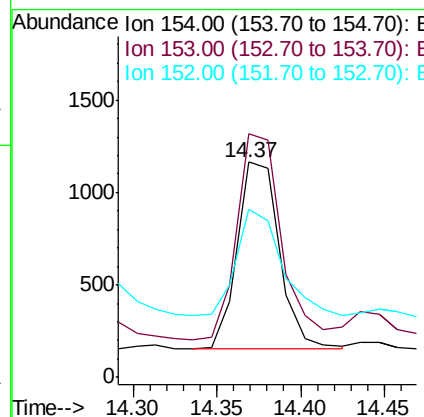
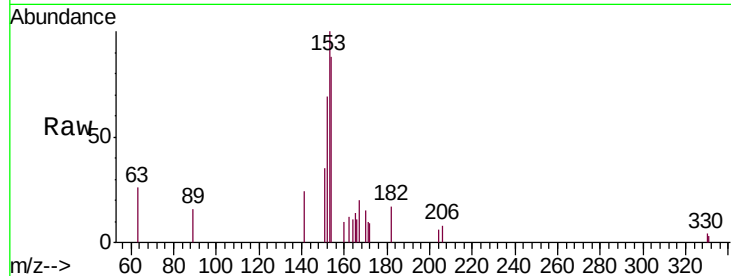
#17
Acenaphthene
Concen: 0.031 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

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

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.6	87.0	130.4
152	60.8	42.7	64.1

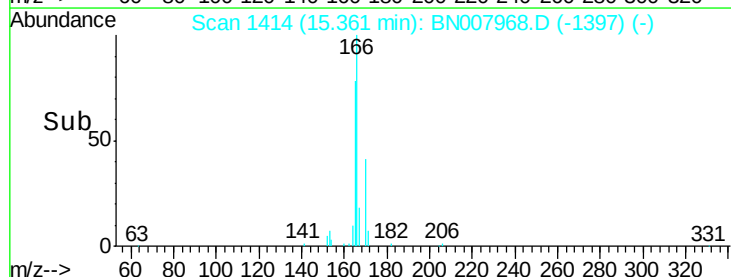
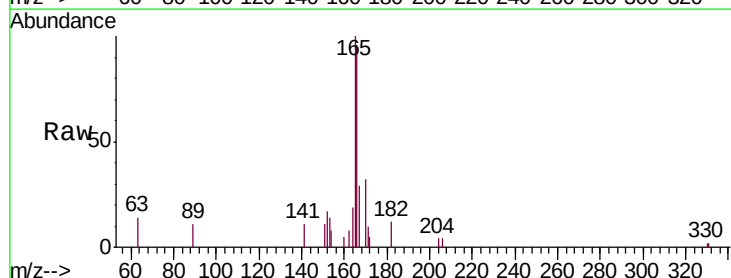
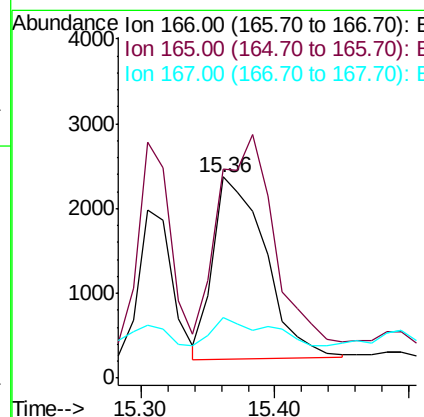
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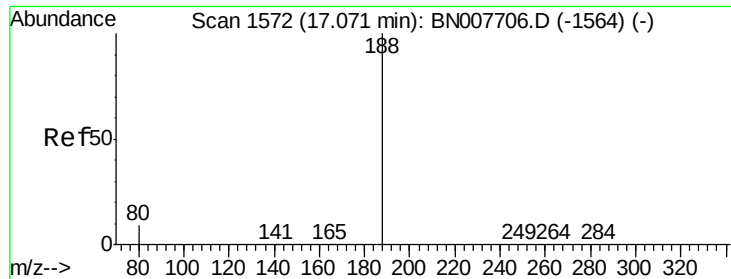
mohammad
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#18
Fluorene
Concen: 0.079 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	78.0	117.0#
167	16.5	10.9	16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Instrument :

BNA_N

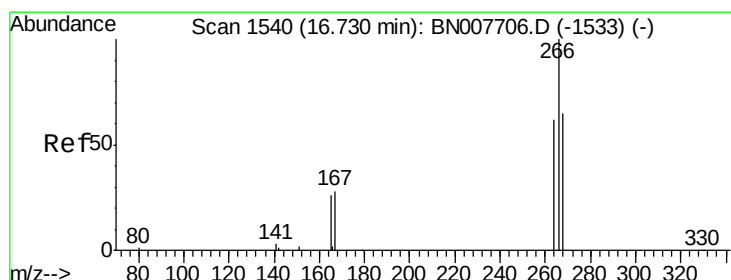
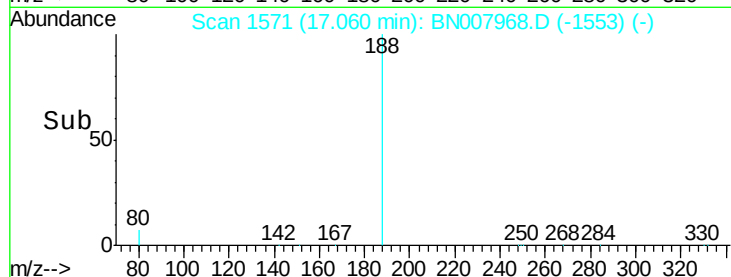
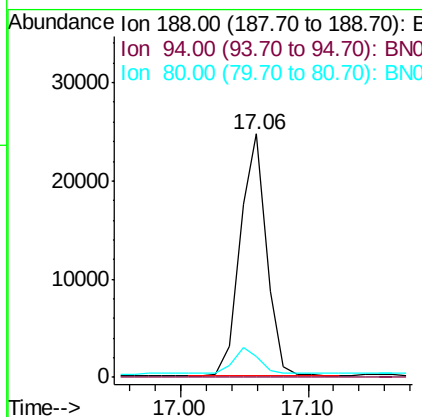
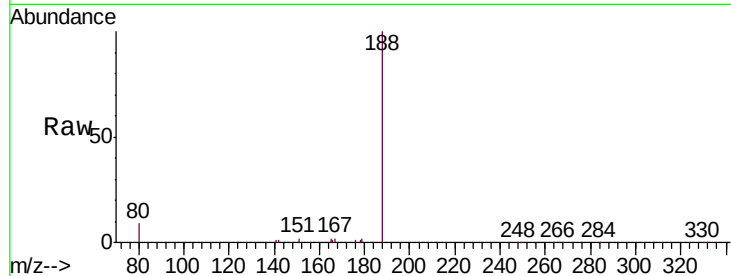
ClientSampleId :

EXT-024-SW068-092619

Tgt Ion:	188	Resp:	35170
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.8	7.4	11.2

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#22

Pentachlorophenol

Concen: 0.023 ng

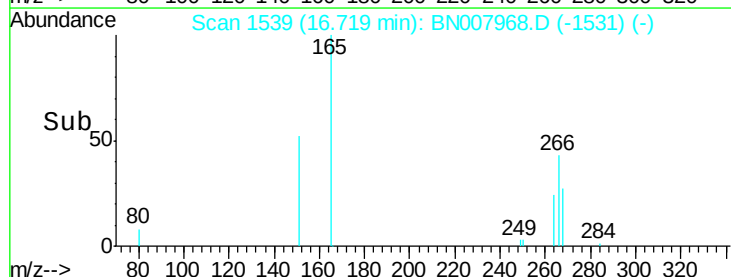
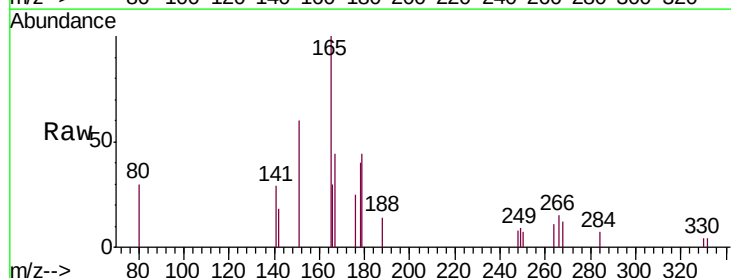
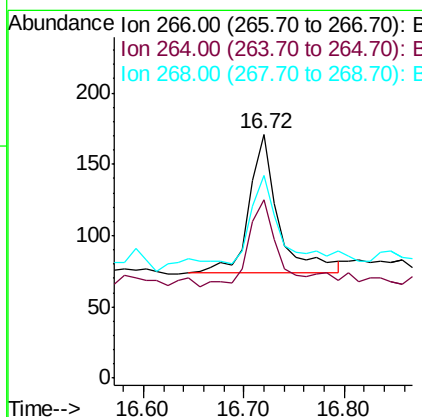
RT: 16.72 min Scan# 1539

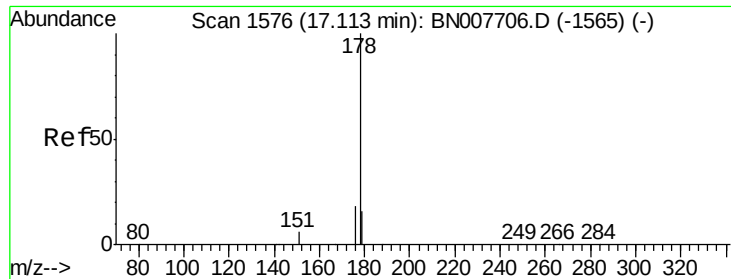
Delta R.T. -0.01 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Tgt Ion:	266	Resp:	196
Ion Ratio	Lower	Upper	
266	100		
264	73.1	50.0	75.0
268	83.0	54.2	81.4#





#23

Phenanthrene

Concen: 0.822 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Instrument :

BNA_N

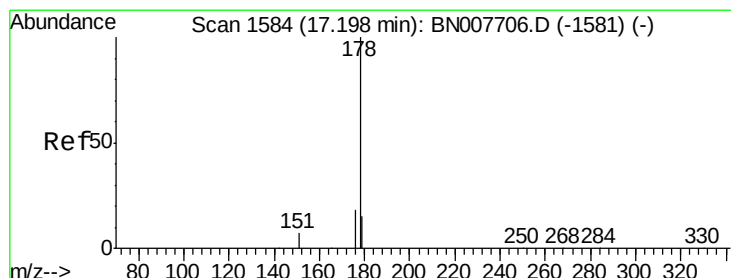
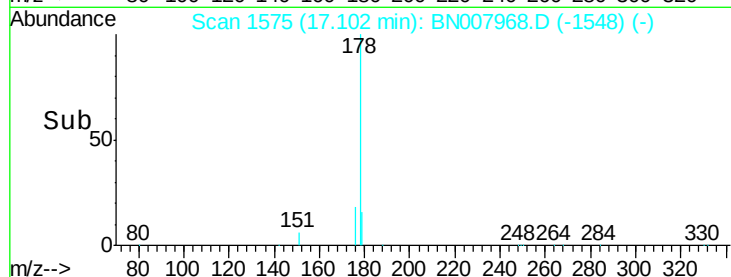
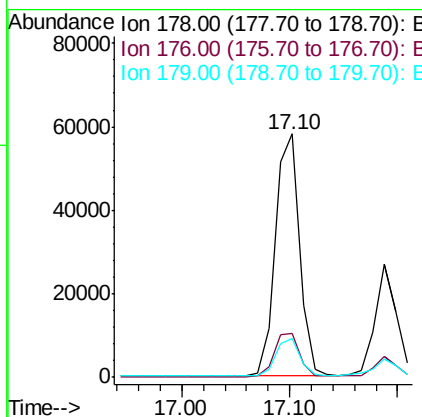
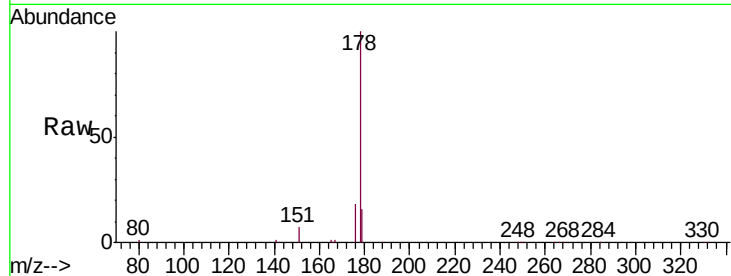
ClientSampleId :

EXT-024-SW068-092619

Tgt Ion:	178	Resp:	90047
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.9	22.3
179	15.8	12.5	18.7

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#24

Anthracene

Concen: 0.364 ng

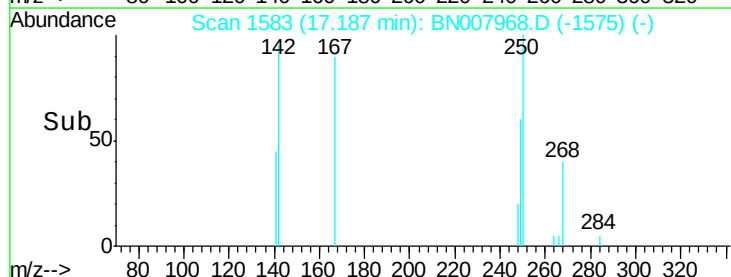
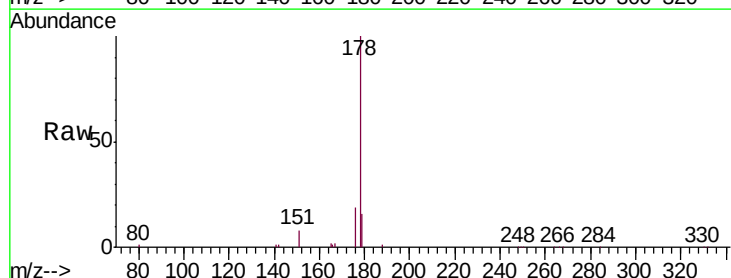
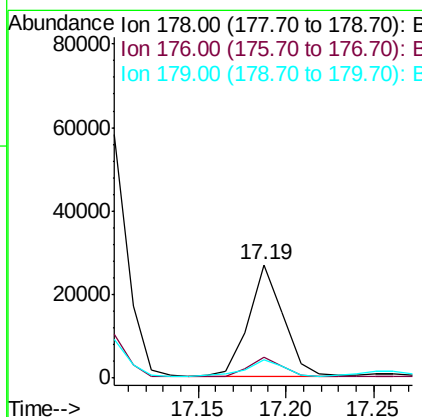
RT: 17.19 min Scan# 1583

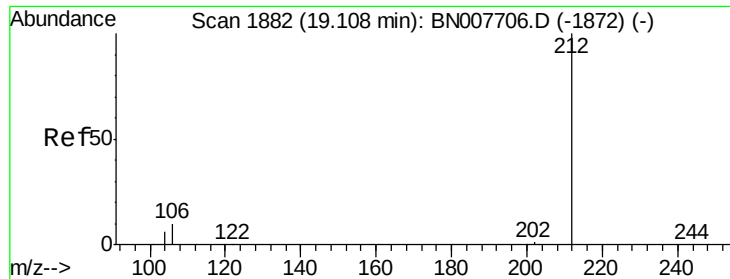
Delta R.T. -0.01 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Tgt Ion:	178	Resp:	36031
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.6	21.8
179	15.9	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.093 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Instrument :

BNA_N

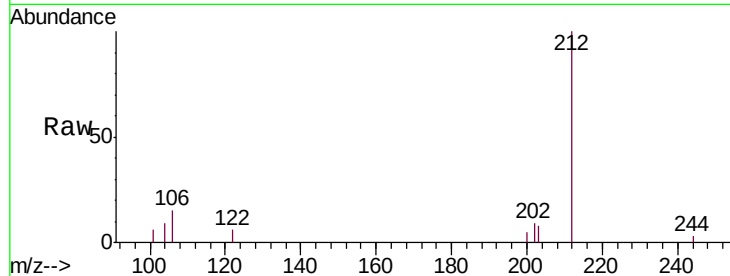
ClientSampleId :

EXT-024-SW068-092619

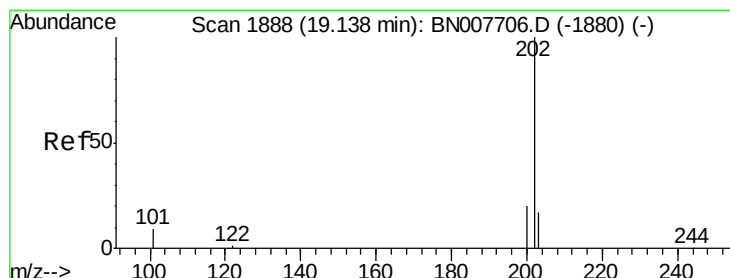
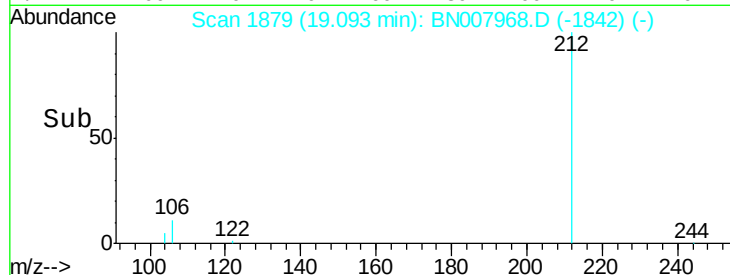
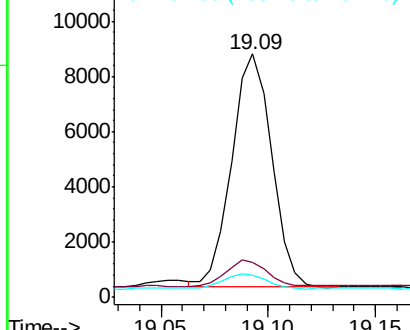
Tgt Ion:	212	Resp:	10977
Ion Ratio	Lower	Upper	
212	100		
106	11.6	9.4	14.0
104	8.1	5.3	7.9

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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



#26

Fluoranthene

Concen: 1.454 ng

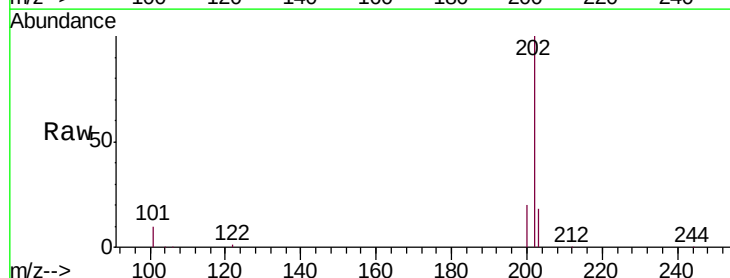
RT: 19.12 min Scan# 1885

Delta R.T. -0.02 min

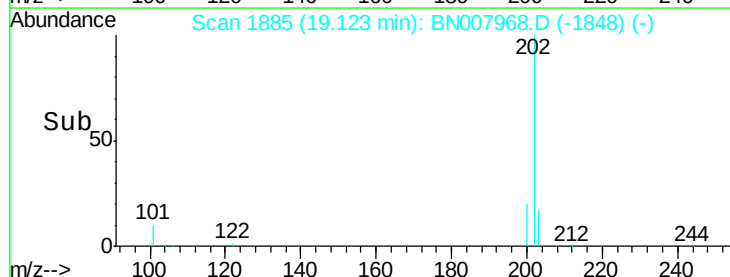
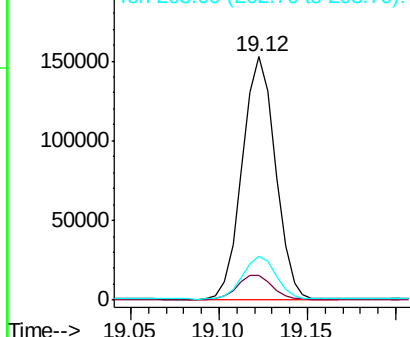
Lab File: BN007968.D

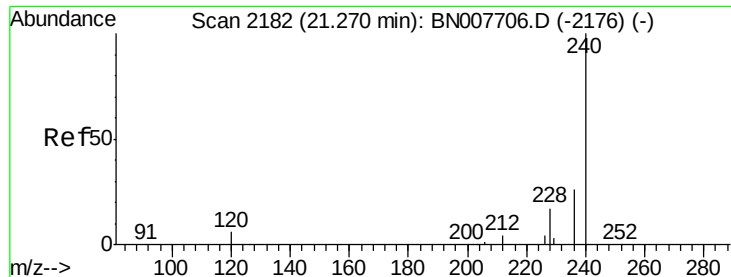
Acq: 02 Oct 2019 16:42

Tgt Ion:	202	Resp:	198033
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.4	12.6
203	17.7	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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Instrument :

BNA_N

ClientSampleId :

EXT-024-SW068-092619

Tgt Ion:240 Resp: 36018

Ion Ratio Lower Upper

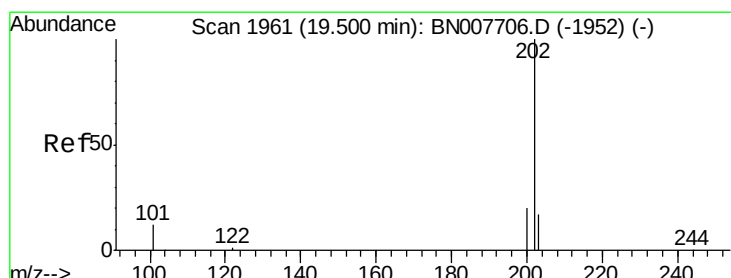
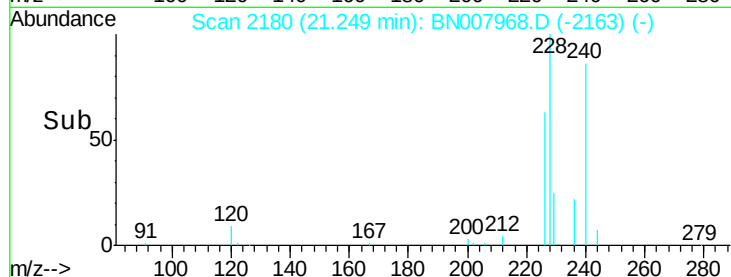
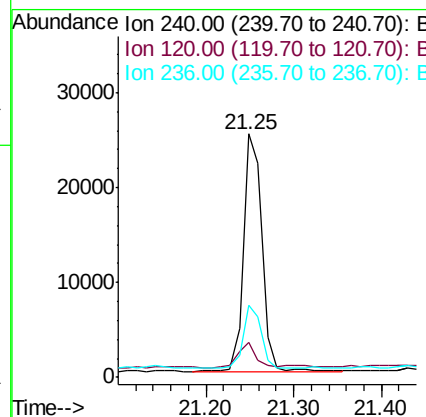
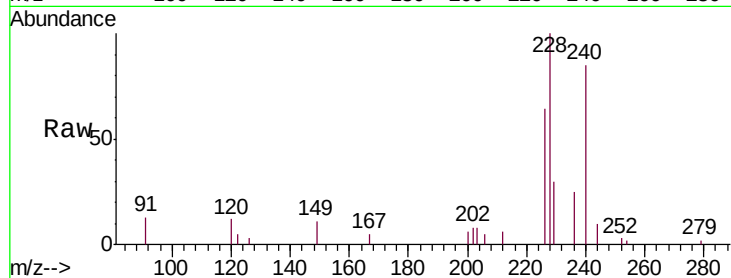
240 100

120 14.4 5.4 8.2#

236 29.6 21.0 31.4

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#28

Pyrene

Concen: 1.731 ng

RT: 19.48 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

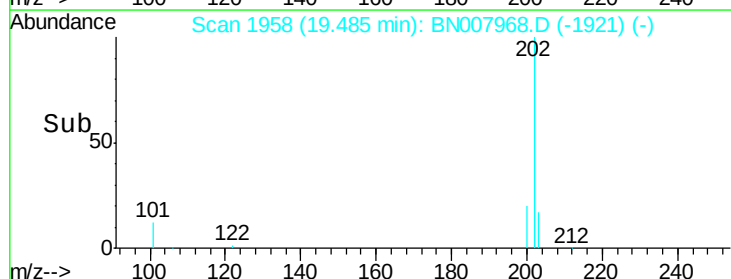
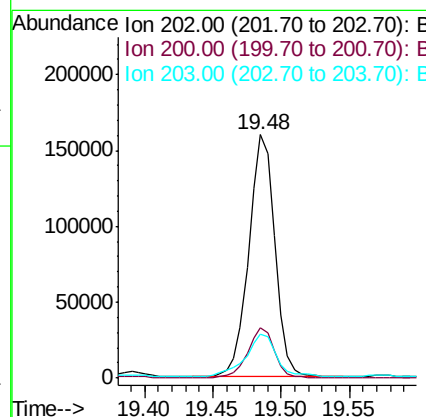
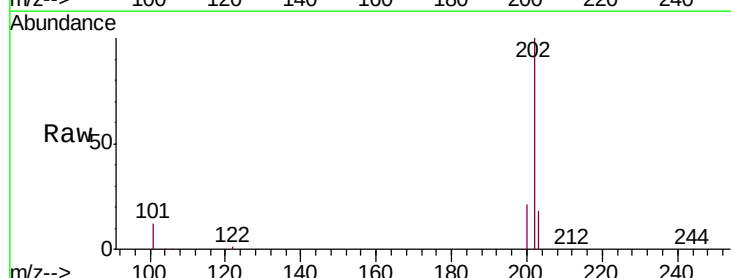
Tgt Ion:202 Resp: 212620

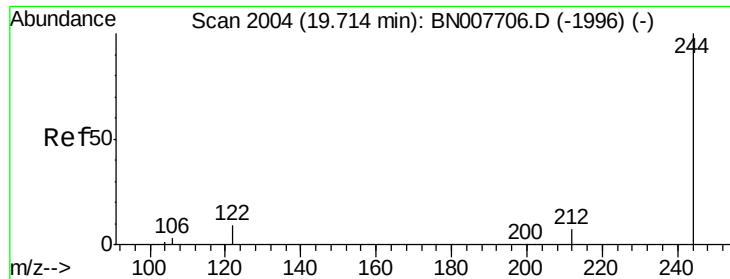
Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

203 20.9 14.1 21.1





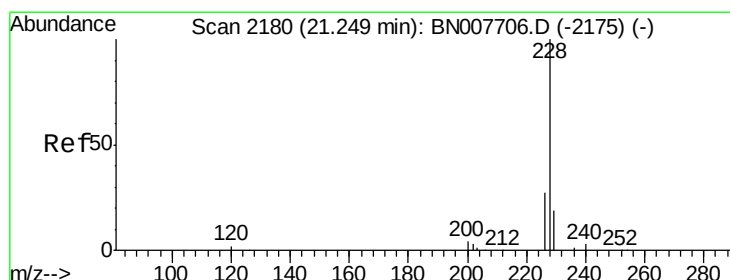
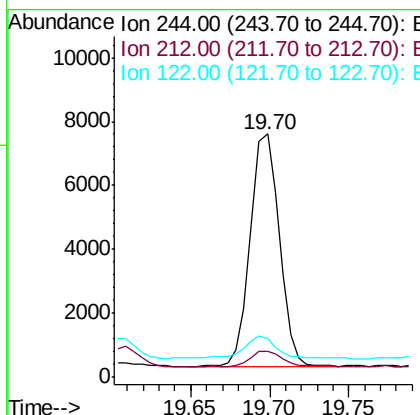
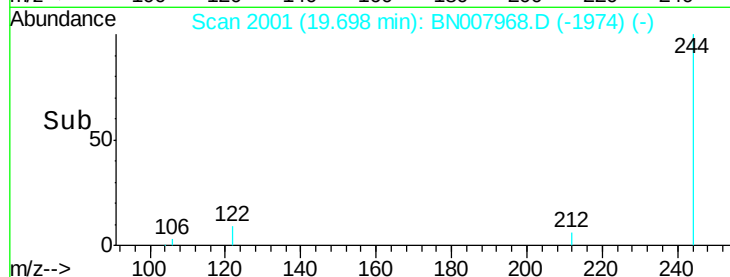
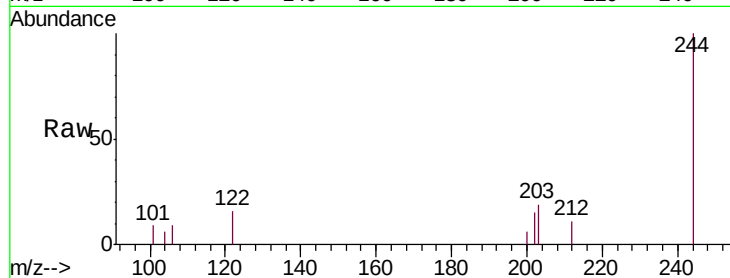
#29
 Terphenyl-d14
 Concen: 0.104 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BN007968.D
 Acq: 02 Oct 2019 16:42

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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.9	5.9	8.9#
122	16.1	7.4	11.2#

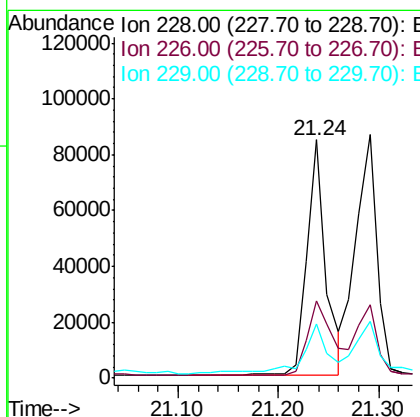
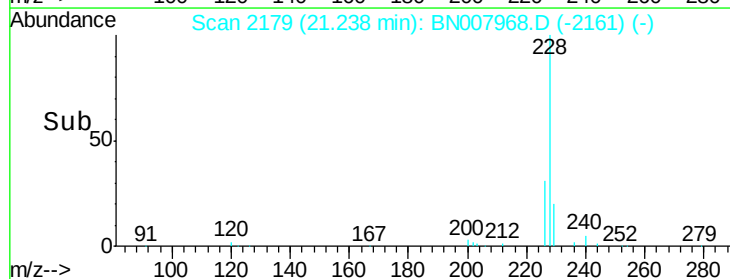
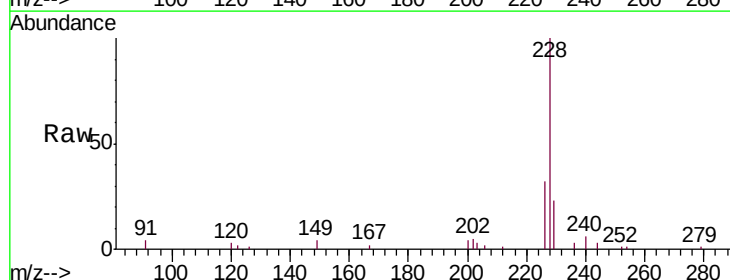
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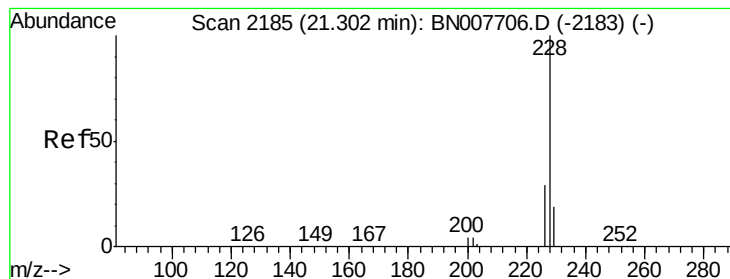
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#30
 Benzo(a)anthracene
 Concen: 0.850 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007968.D
 Acq: 02 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.1	33.1
229	22.9	15.8	23.6





#31

Chrysene

Concen: 0.975 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Instrument :

BNA_N

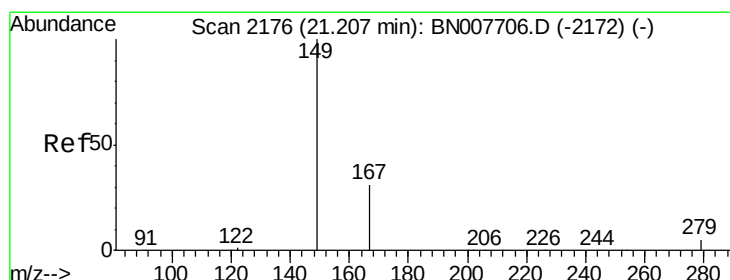
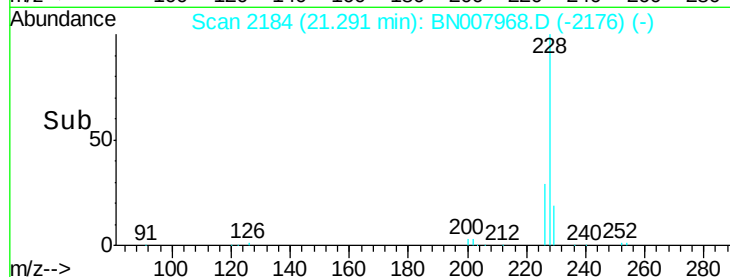
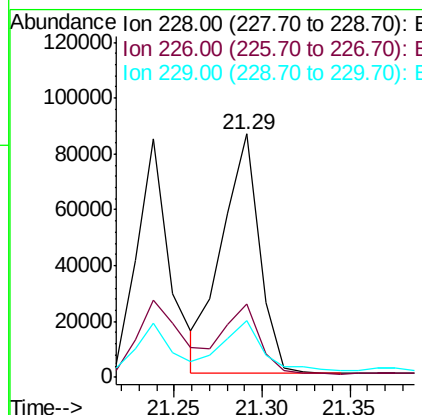
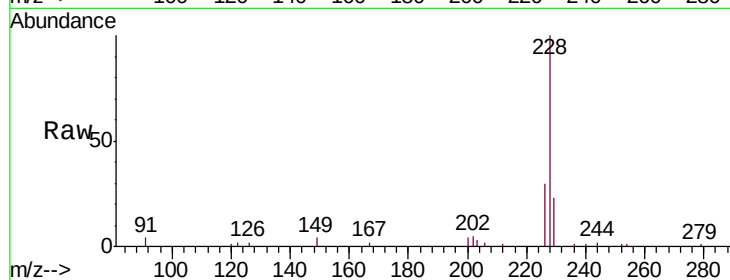
ClientSampleId :

EXT-024-SW068-092619

Tgt Ion:	228	Resp:	126086
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.9	35.9
229	23.4	15.8	23.6

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.846 ng

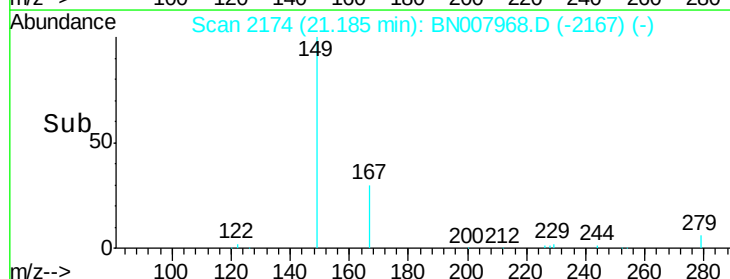
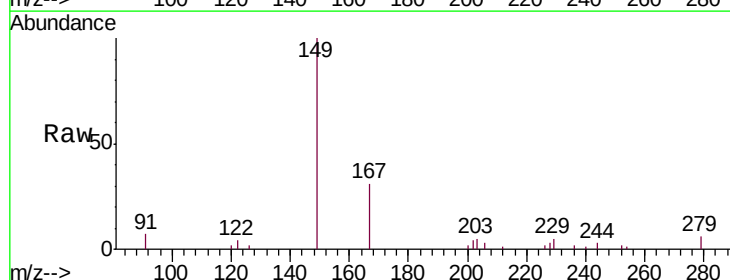
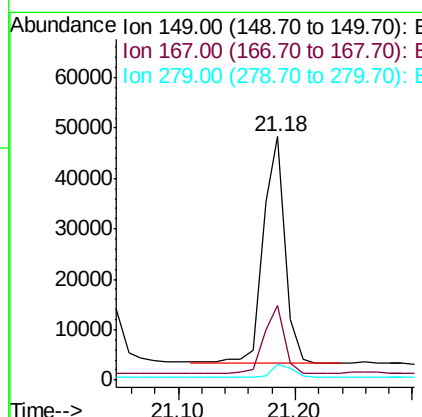
RT: 21.18 min Scan# 2174

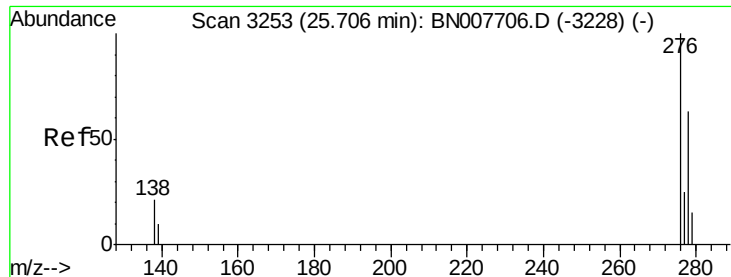
Delta R.T. -0.02 min

Lab File: BN007968.D

Acq: 02 Oct 2019 16:42

Tgt Ion:	149	Resp:	57736
Ion Ratio	Lower	Upper	
149	100		
167	27.9	23.7	35.5
279	5.6	4.2	6.2





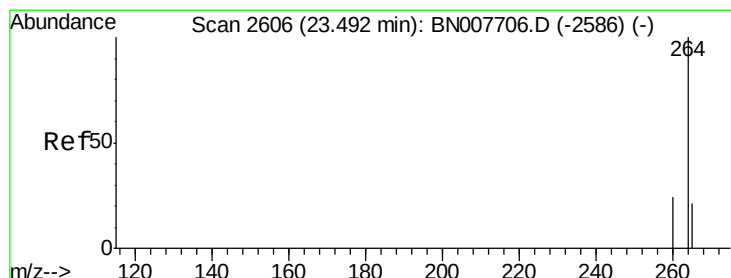
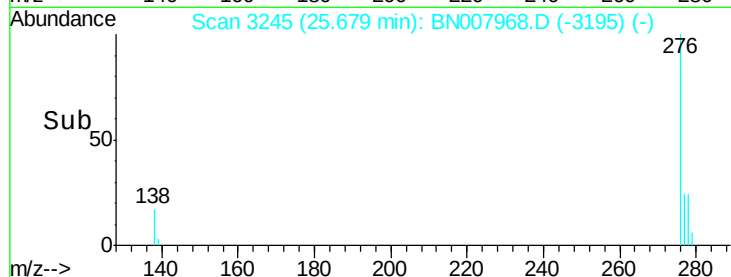
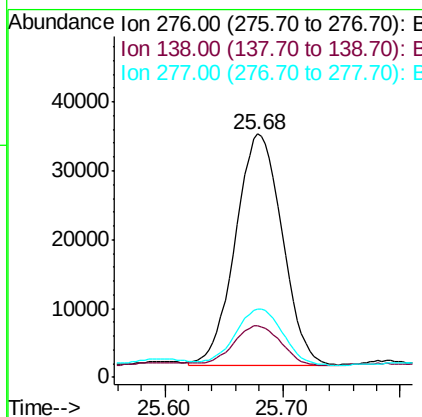
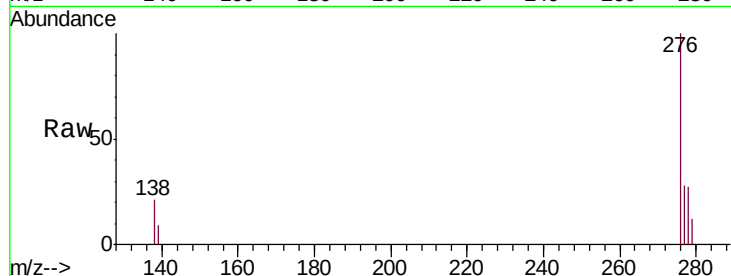
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.570 ng
 RT: 25.68 min Scan# 3245
 Delta R.T. -0.03 min
 Lab File: BN007968.D
 Acq: 02 Oct 2019 16:42

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	17.1	25.7
277	24.8	20.0	30.0

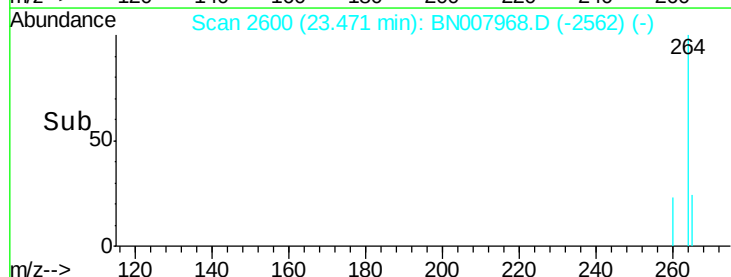
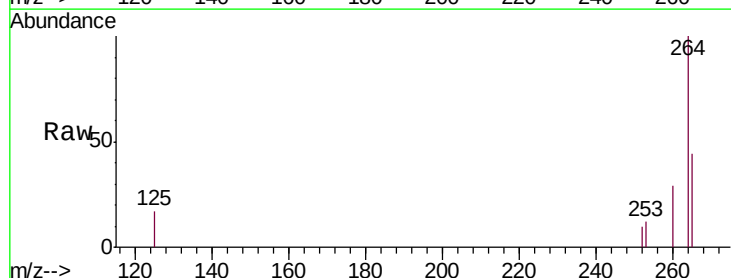
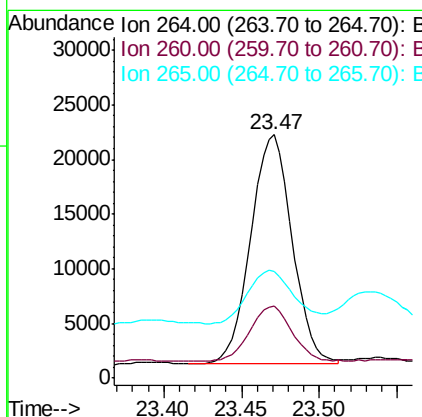
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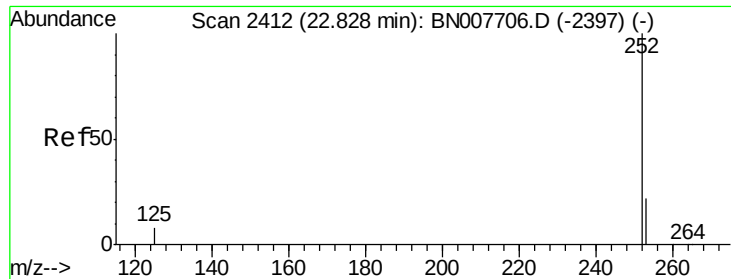
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2600
 Delta R.T. -0.02 min
 Lab File: BN007968.D
 Acq: 02 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.4	19.3	28.9#
265	44.1	26.9	40.3#





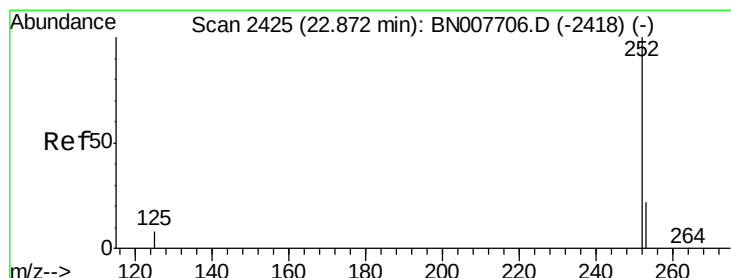
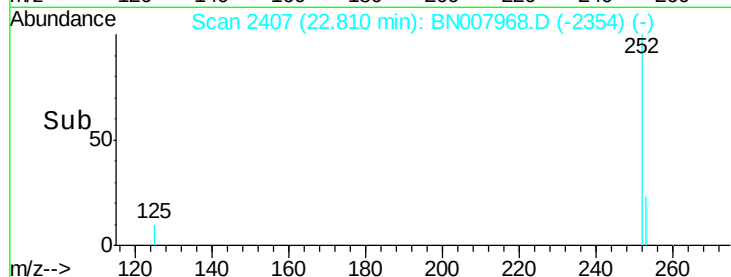
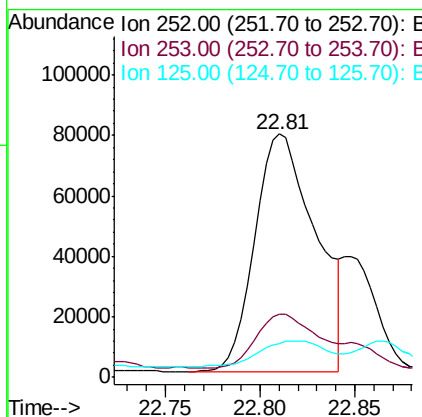
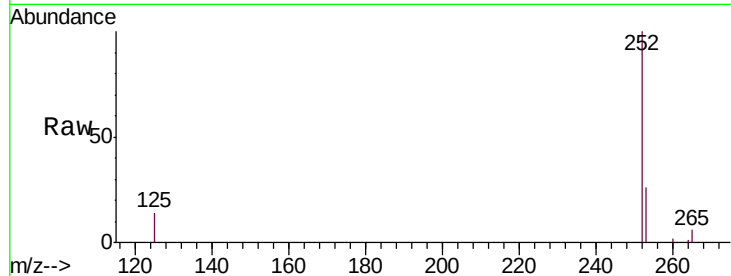
#35
Benzo(b)fluoranthene
Concen: 1.296 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.3	27.5
125	14.1	8.2	12.4#

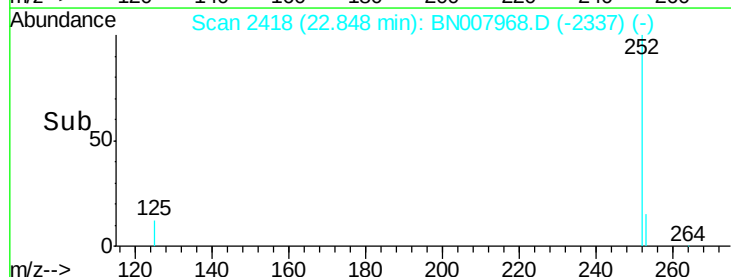
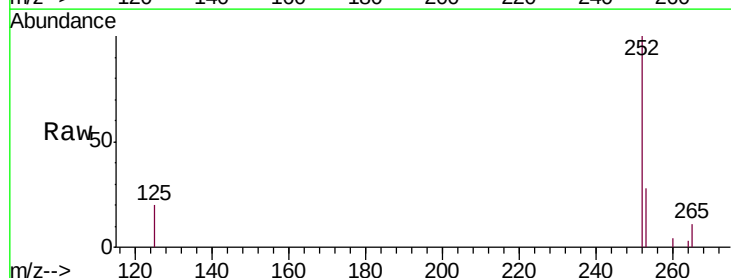
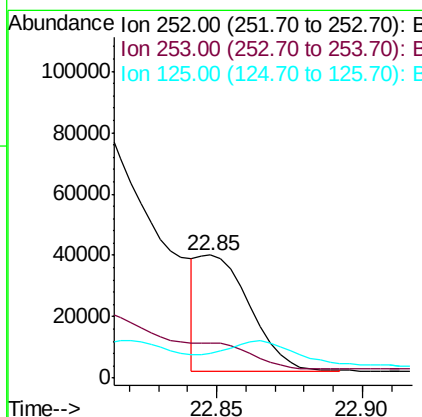
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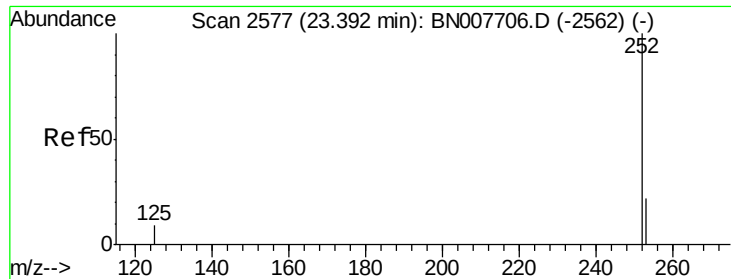
mohammad
10/4/2019 8:16:22 AM



#36
Benzo(k)fluoranthene
Concen: 0.348 ng m
RT: 22.85 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.5	27.7#
125	20.3	8.4	12.6#





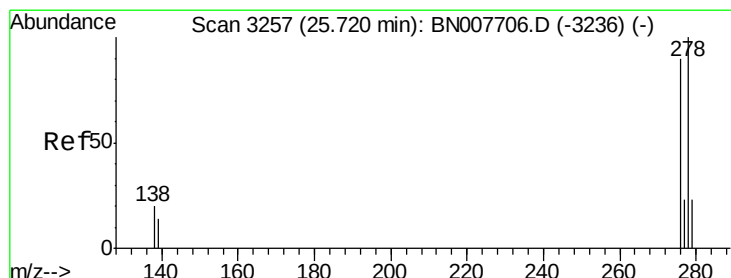
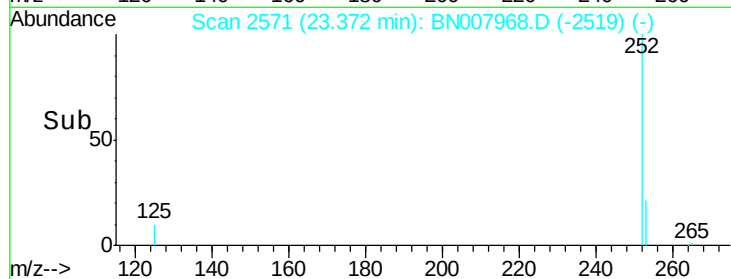
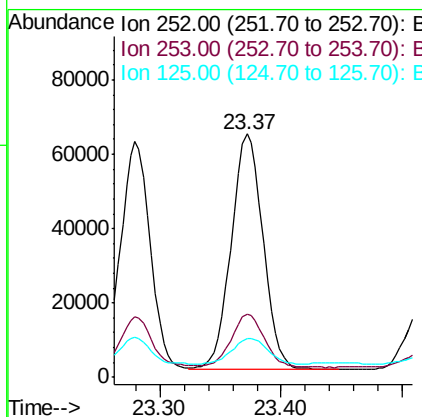
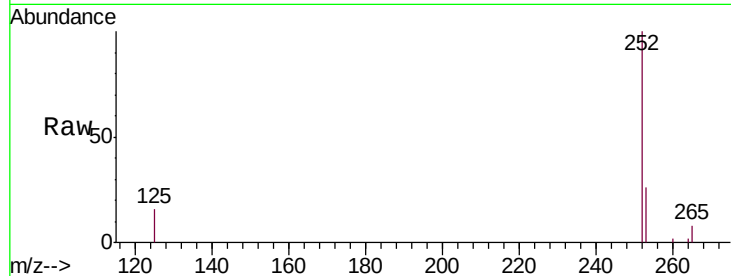
#37
Benzo(a)pyrene
Concen: 0.909 ng
RT: 23.37 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.6	27.8
125	15.8	9.4	14.0#

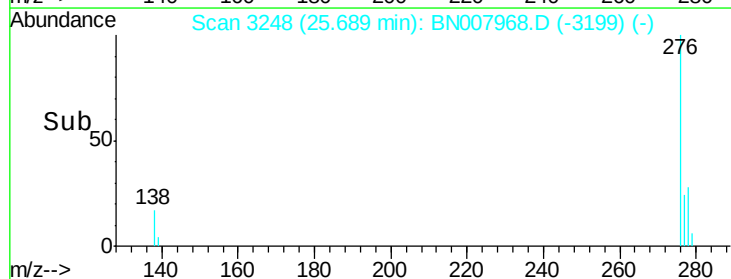
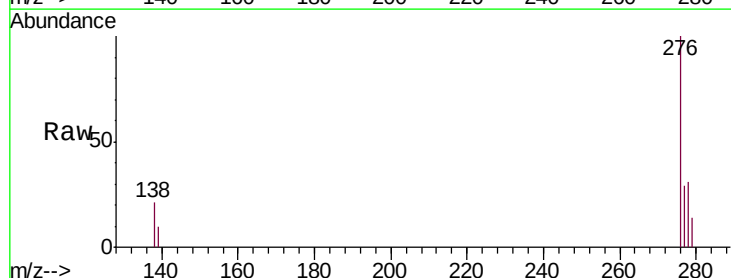
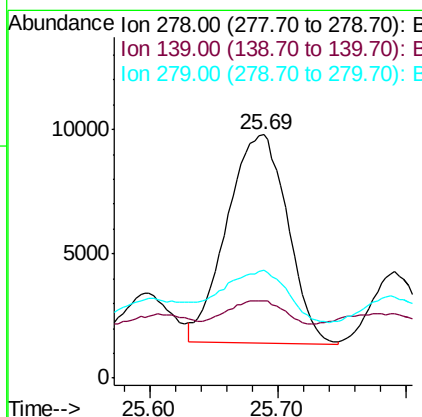
Manual Integrations
APPROVED

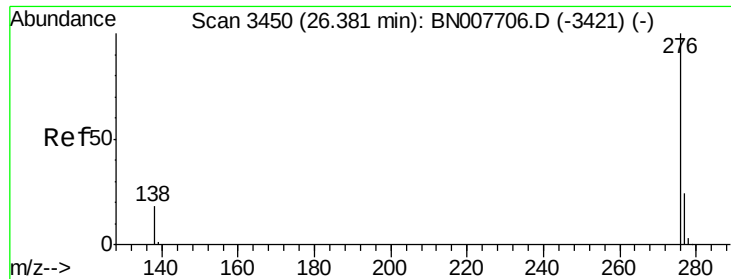
mohammad
10/4/2019 8:16:22 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.211 ng
RT: 25.69 min Scan# 3248
Delta R.T. -0.03 min
Lab File: BN007968.D
Acq: 02 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.7	11.8	17.6#
279	44.4	19.4	29.2#





#39

Benzo(g,h,i)perylene

Concen: 0.858 ng

RT: 26.36 min Scan# 3443

Delta R.T. -0.02 min

Lab File: BN007968.D

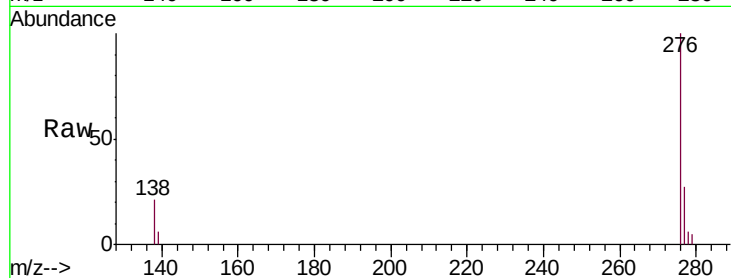
Acq: 02 Oct 2019 16:42

Instrument :

BNA_N

ClientSampleId :

EXT-024-SW068-092619



Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.8	29.8
138	20.8	15.1	22.7

Manual Integrations
APPROVED

mohammad
10/4/2019 8:16:22 AM

