

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004941.D
 Acq On : 24 Mar 2019 16:26
 Operator : JU/SJ
 Sample : K2015-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW036-031919

Manual Integrations
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 3/26/2019 6:33:48 PM

Quant Time: Mar 25 03:56:32 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 20 16:06:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3168	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	12429	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6293	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	13273	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	15373	0.40	ng	-0.01
34) Perylene-d12	23.53	264	15980	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3751	0.44	ng	0.00
5) Phenol-d6	6.86	99	4545	0.42	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3761	0.46	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	8152	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1629	0.37	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	10933	0.42	ng	-0.02
25) Fluoranthene-d10	19.12	212	15533	0.35	ng	-0.01
29) Terphenyl-d14	19.71	244	10494	0.33	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	1236	0.035	ng	# 82
12) 2-Methylnaphthalene	12.14	142	1613	0.062	ng	97
16) Acenaphthylene	14.04	152	3391	0.105	ng	97
18) Fluorene	15.38	166	871	0.029	ng	86
21) Hexachlorobenzene	16.38	284	651	0.066	ng	# 90
23) Phenanthrene	17.12	178	36777	0.858	ng	99
24) Anthracene	17.21	178	3748	0.098	ng	96
26) Fluoranthene	19.15	202	48771	0.885	ng	98
28) Pyrene	19.51	202	54747	1.168	ng	97
30) Benzo(a)anthracene	21.26	228	23337	0.463	ng	95
31) Chrysene	21.31	228	30755	0.579	ng	95
32) Bis(2-ethylhexyl)phthalate	21.17	149	27241	1.352	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	19759	0.257	ng	98
35) Benzo(b)fluoranthene	22.85	252	37937	0.656	ng	# 64
36) Benzo(k)fluoranthene	22.89	252	12840m	0.226	ng	
37) Benzo(a)pyrene	23.43	252	23407	0.441	ng	# 87
38) Dibenzo(a,h)anthracene	25.80	278	5767	0.094	ng	# 45
39) Benzo(g,h,i)perylene	26.48	276	20875	0.334	ng	# 91

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

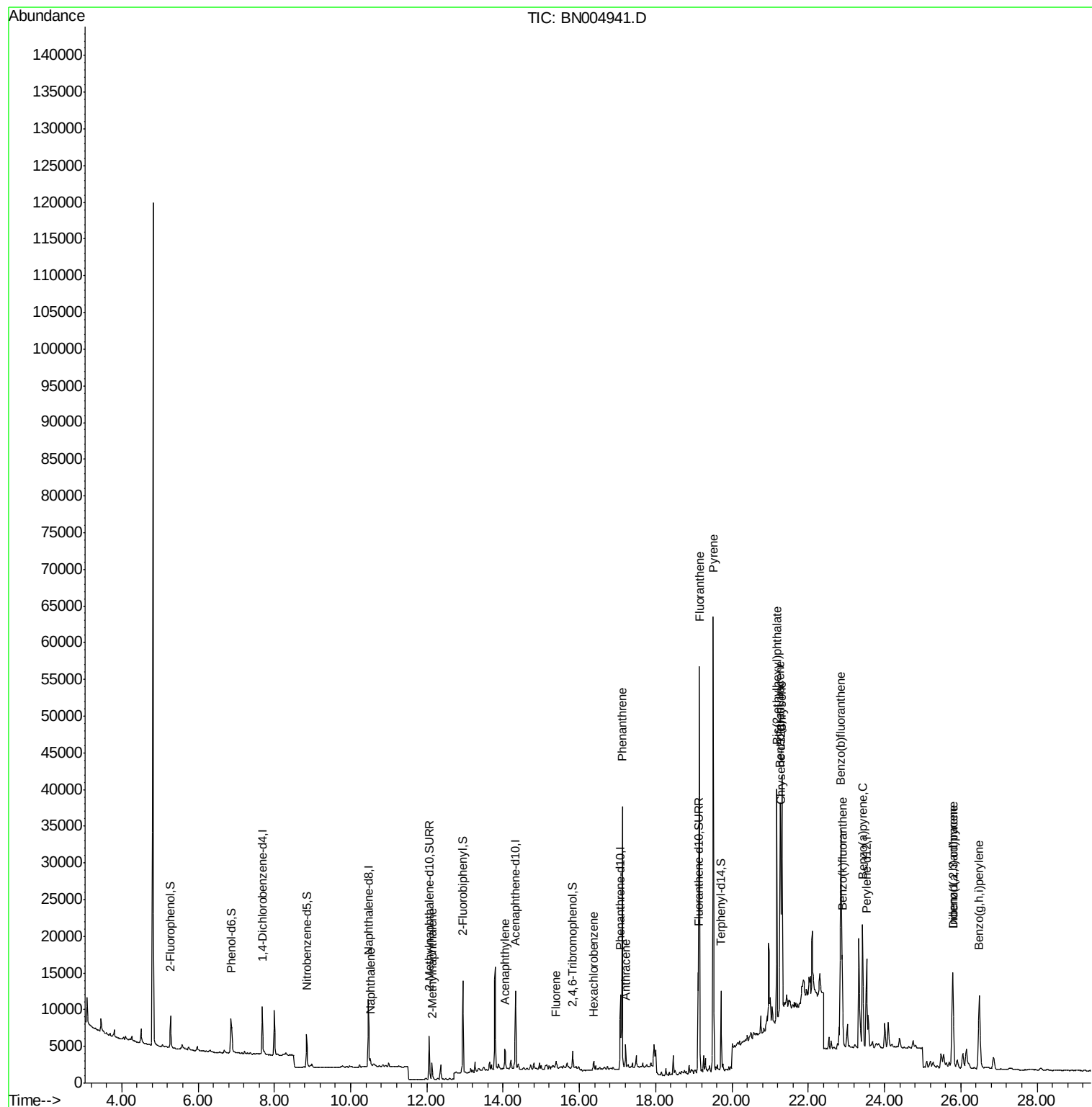
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
Data File : BN004941.D
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Sample : K2015-09
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ALS Vial : 21 Sample Multiplier: 1

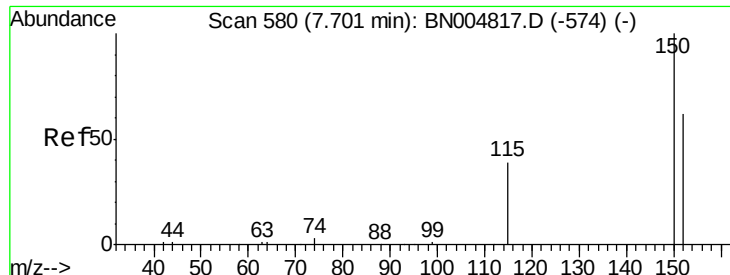
Instrument :
BNA_N
ClientSampleId :
EXT-025-SW036-031919

Quant Time: Mar 25 03:56:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M
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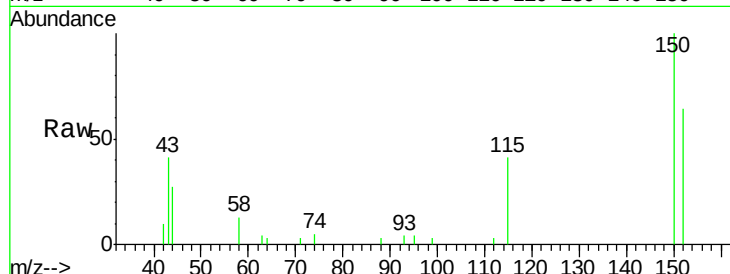
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.68 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW036-031919

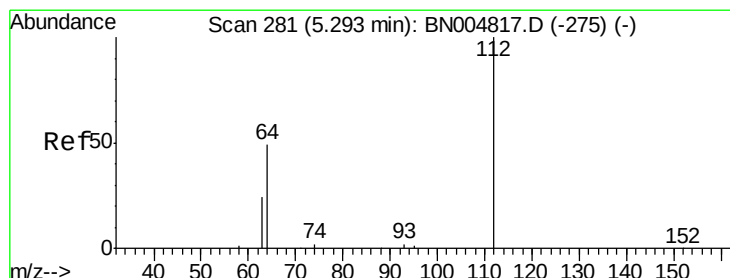
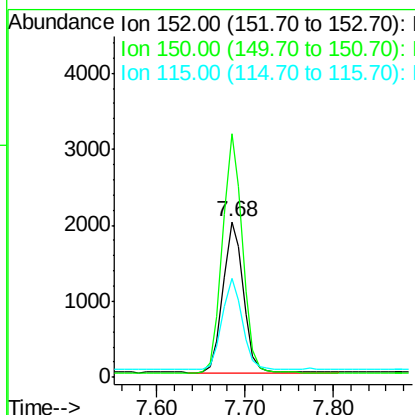
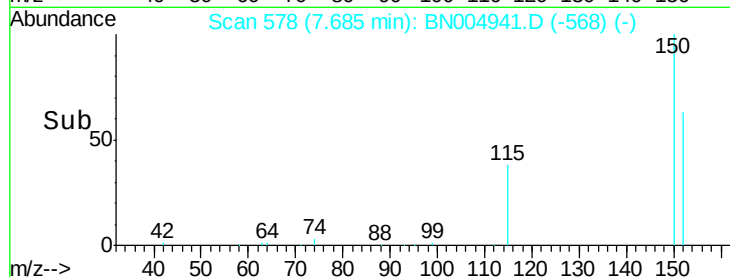
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.4
115	63.8	52.6	79.0

Manual Integrations
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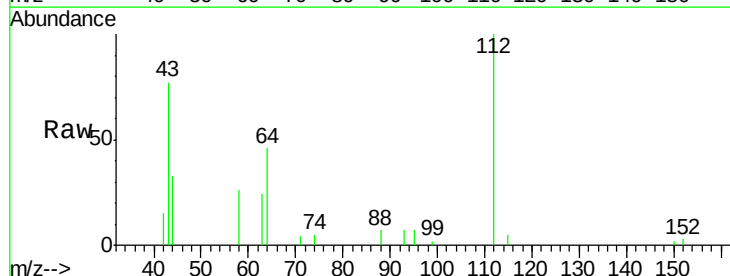


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

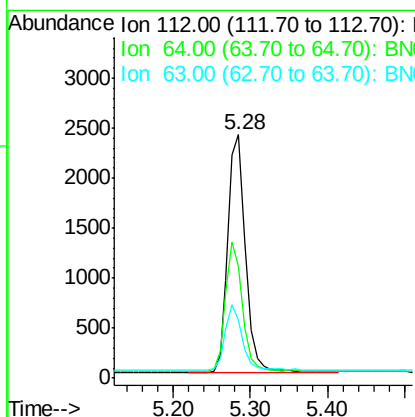
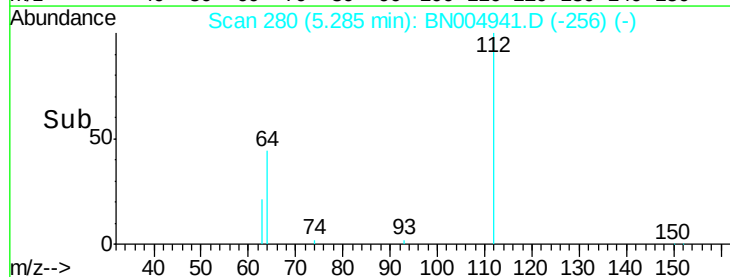


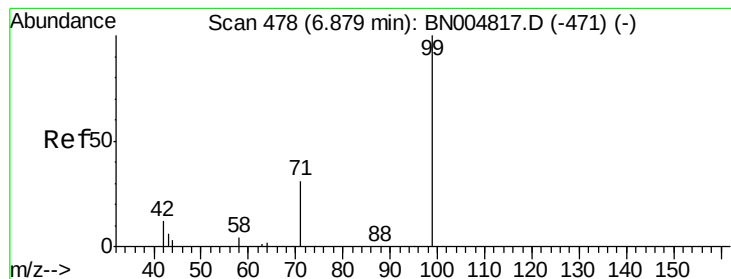
#4
 2-Fluorophenol
 Concen: 0.436 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	40.0	60.0
63	26.3	20.2	30.2



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: 0.424 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Instrument :

BNA_N

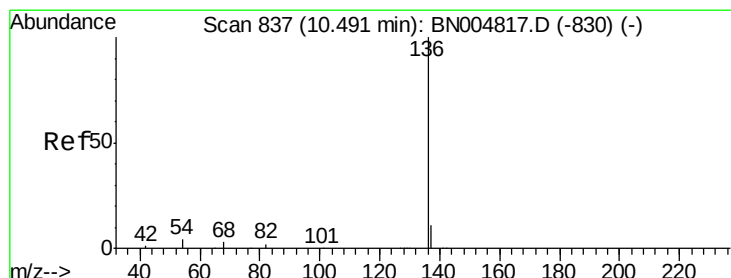
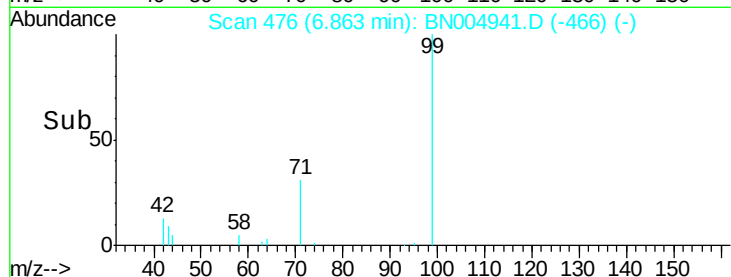
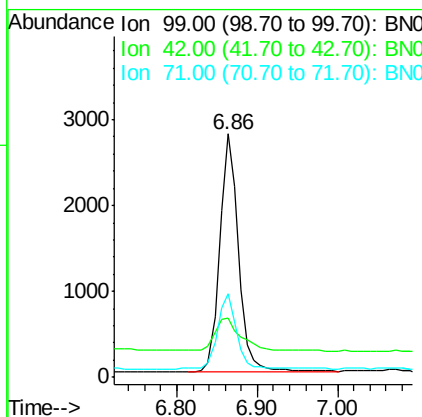
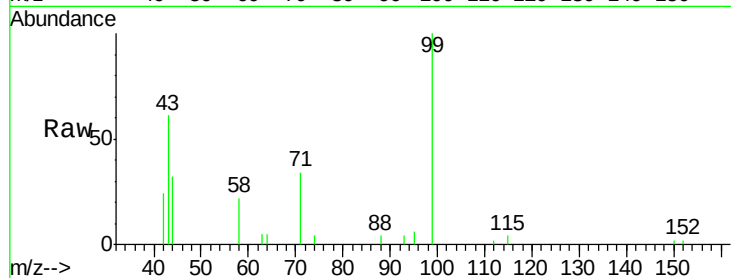
ClientSampleId :

EXT-025-SW036-031919

Tgt Ion:	99	Resp:	4545
Ion Ratio	Lower	Upper	
99	100		
42	17.3	12.7	19.1
71	33.0	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

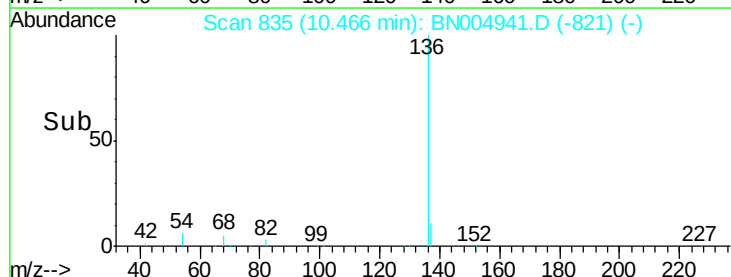
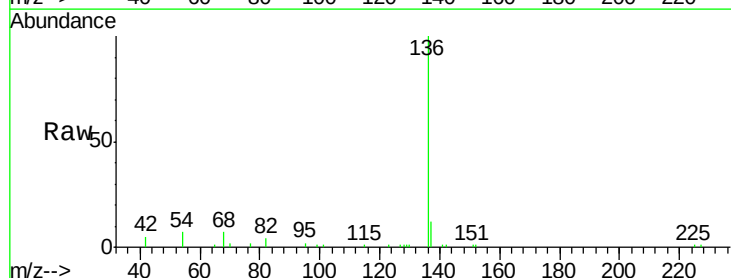
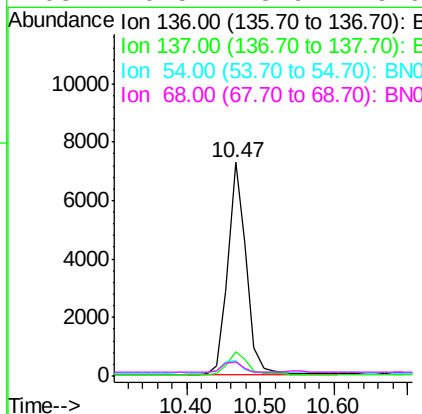
RT: 10.47 min Scan# 835

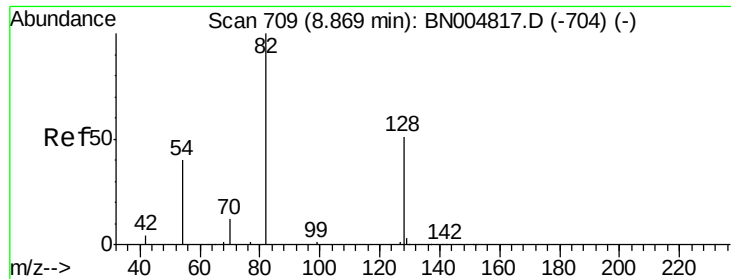
Delta R.T. -0.03 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Tgt Ion:	136	Resp:	12429
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.6	14.4
54	7.4	4.2	6.2#
68	6.5	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.457 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Instrument :

BNA_N

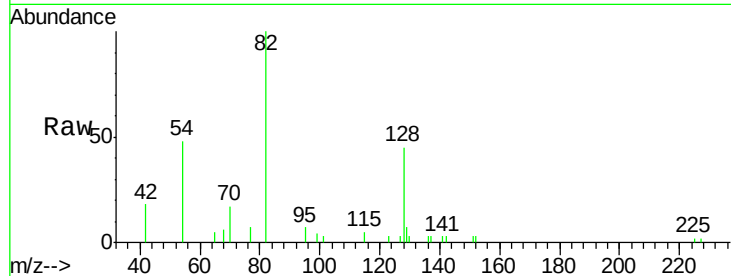
ClientSampleId :

EXT-025-SW036-031919

Tgt Ion:	82	Resp:	3761
Ion Ratio	Lower	Upper	
82	100		
128	44.9	43.0	64.6
54	48.1	35.3	52.9

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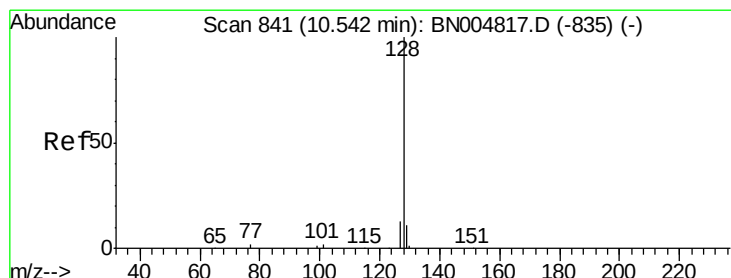
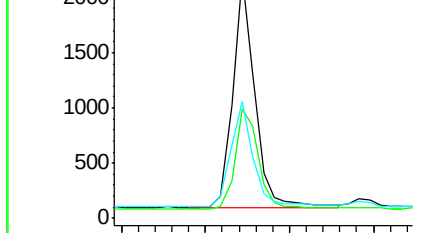
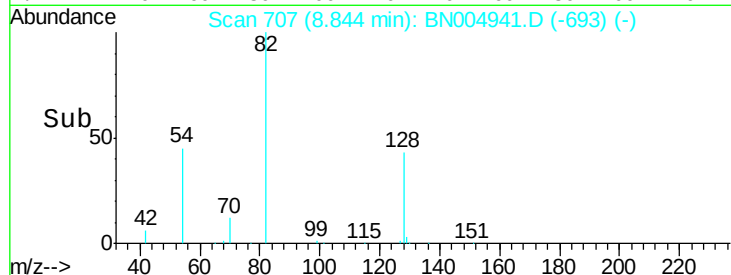


Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

Time-->



#9

Naphthalene

Concen: 0.035 ng

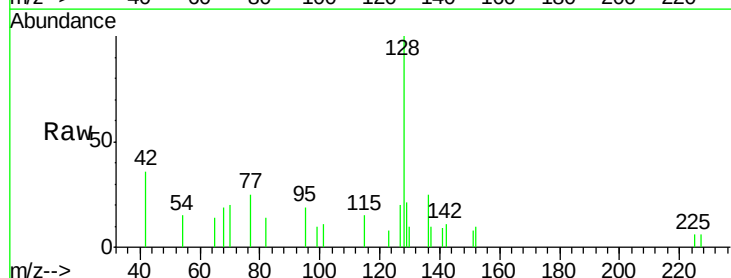
RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Tgt Ion:	128	Resp:	1236
Ion Ratio	Lower	Upper	
128	100		
129	20.8	9.9	14.9#
127	20.2	11.3	16.9#

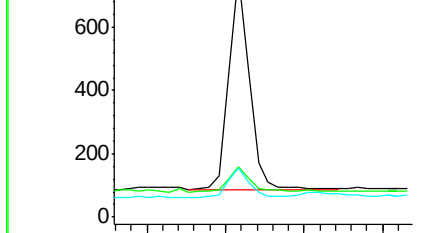
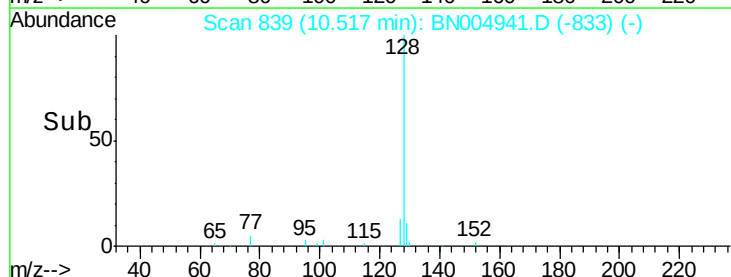


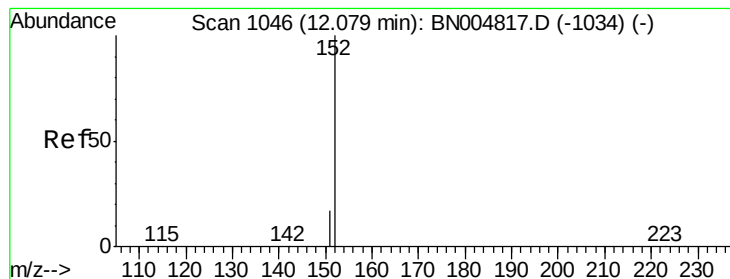
Abundance Ion 128.00 (127.70 to 128.70): BN004817.D (-835) (-)

Ion 129.00 (128.70 to 129.70): BN004817.D (-835) (-)

Ion 127.00 (126.70 to 127.70): BN004817.D (-835) (-)

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.376 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW036-031919

Tgt Ion:152 Resp: 8152

Ion Ratio Lower Upper

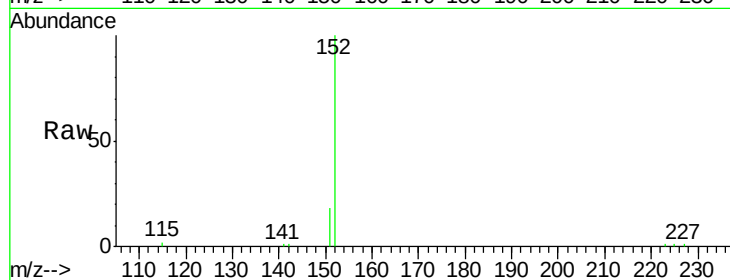
152 100

151 19.4 15.5 23.3

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.06

6000

5000

4000

3000

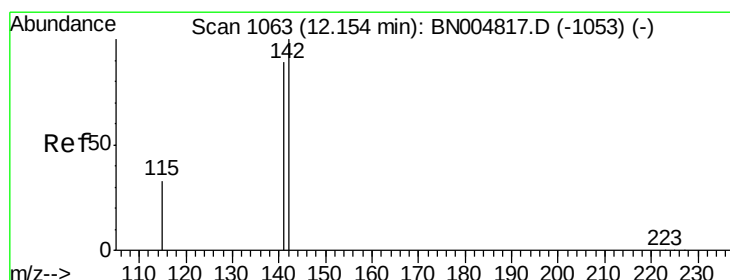
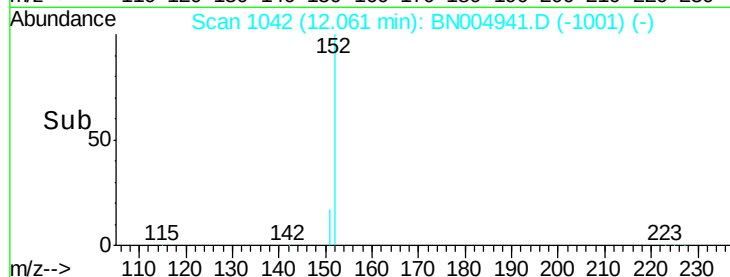
2000

1000

0

Time-->

12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.062 ng

RT: 12.14 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

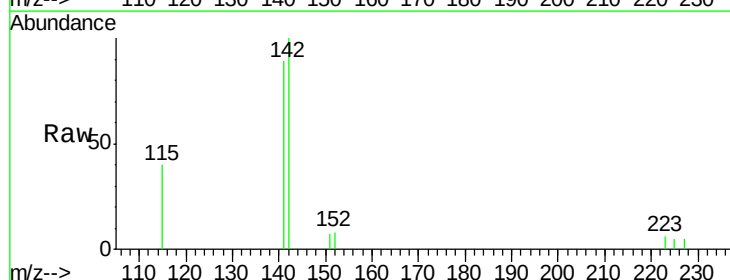
Tgt Ion:142 Resp: 1613

Ion Ratio Lower Upper

142 100

141 89.4 71.4 107.2

115 40.3 27.5 41.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.14

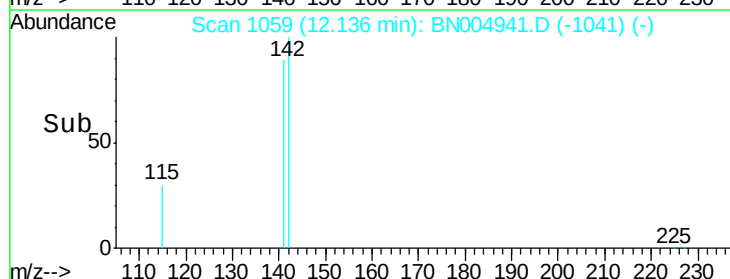
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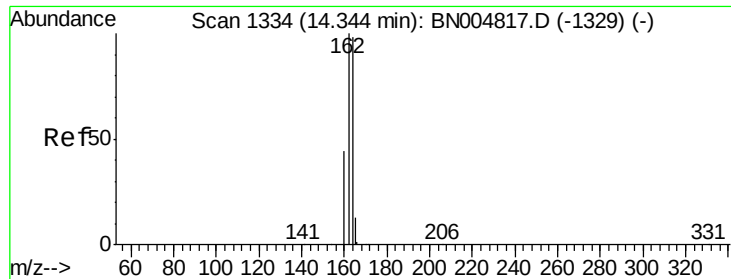
500

0

Time-->

12.05 12.10 12.15 12.20





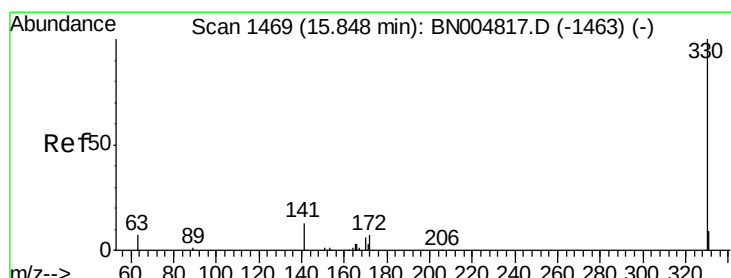
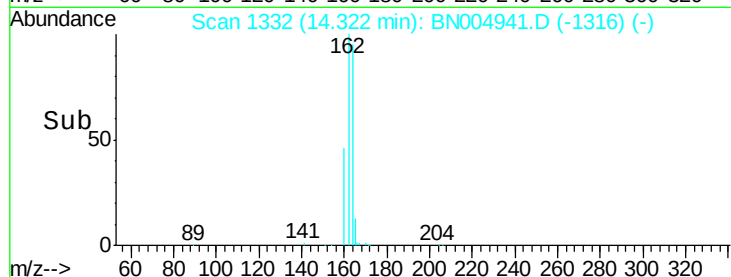
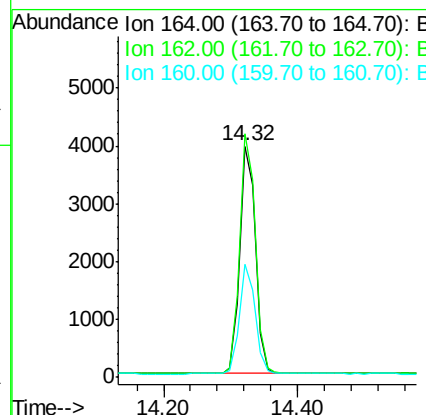
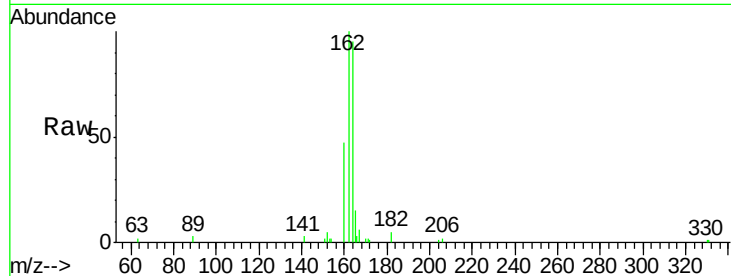
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	81.9	122.9
160	49.0	36.6	54.8

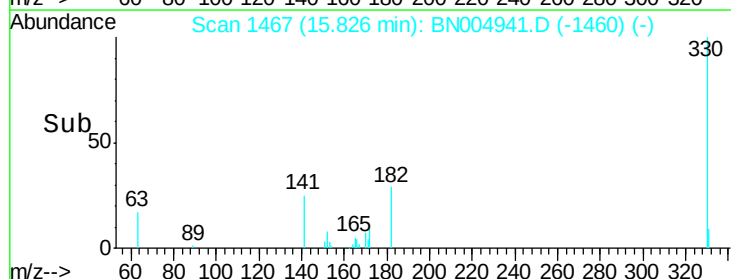
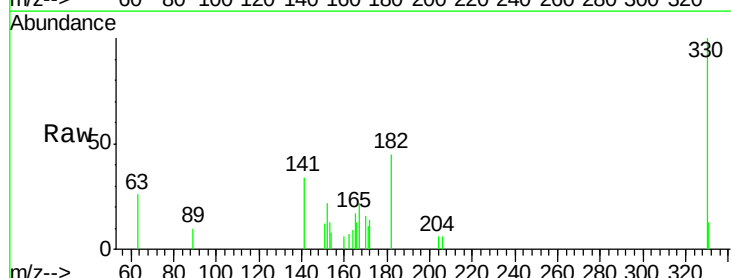
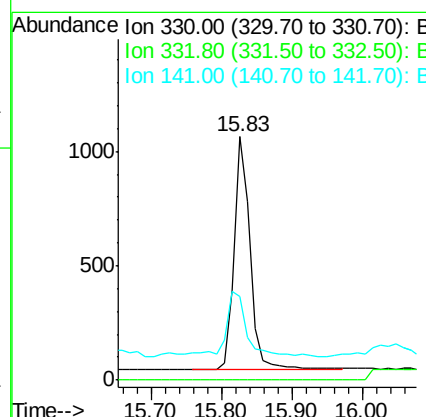
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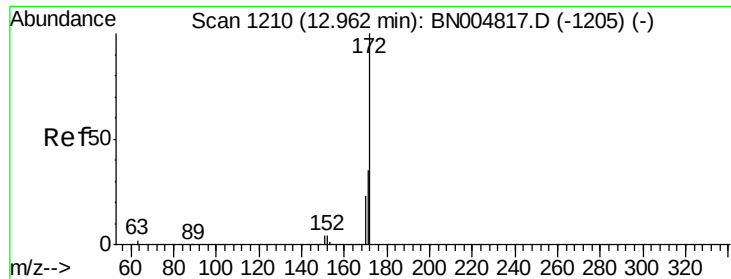
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#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.3	20.9	31.3#





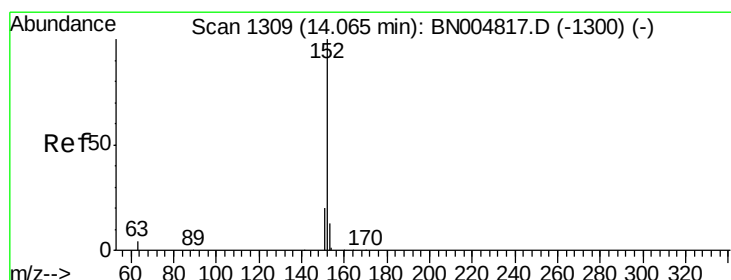
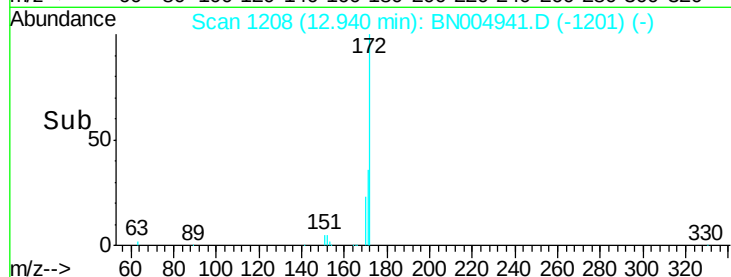
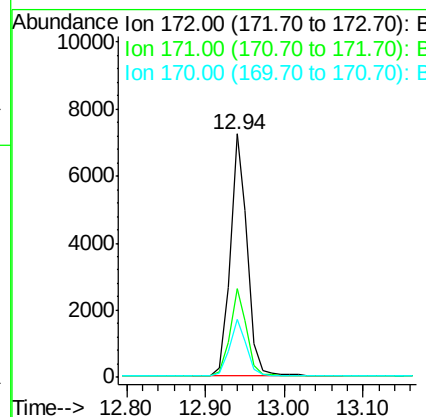
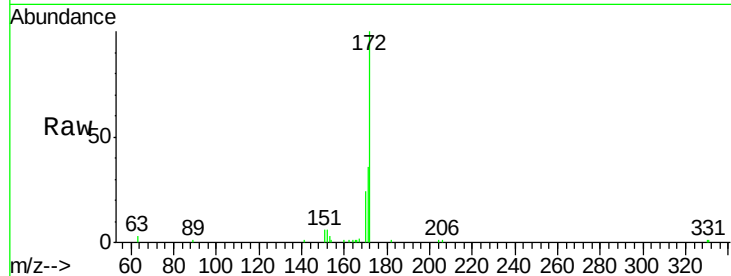
#15
2-Fluorobiphenyl
Concen: 0.420 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.7	43.1
170	24.0	18.7	28.1

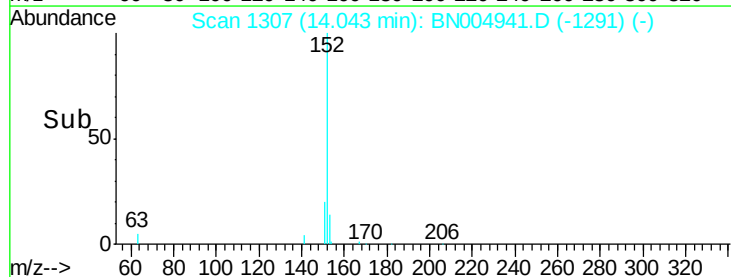
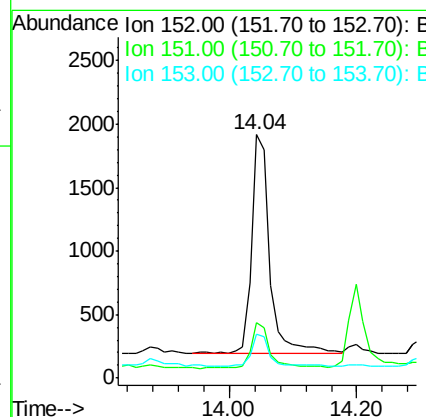
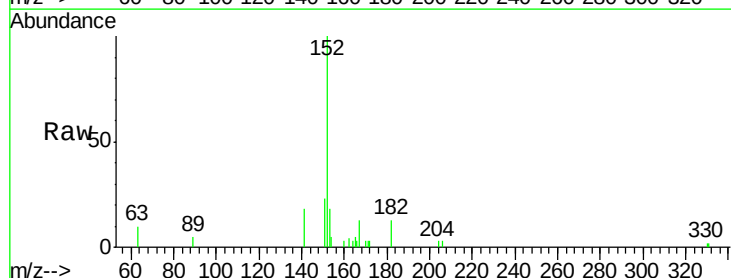
Manual Integrations
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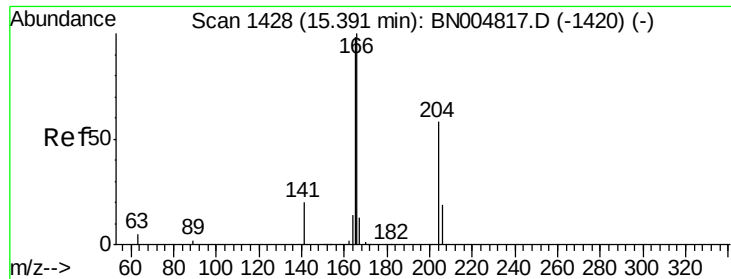
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#16
Acenaphthylene
Concen: 0.105 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.1	24.1
153	14.9	10.5	15.7





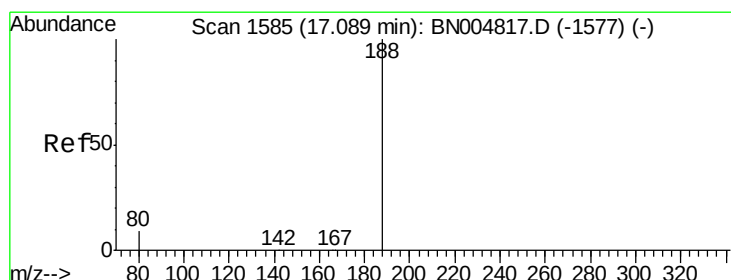
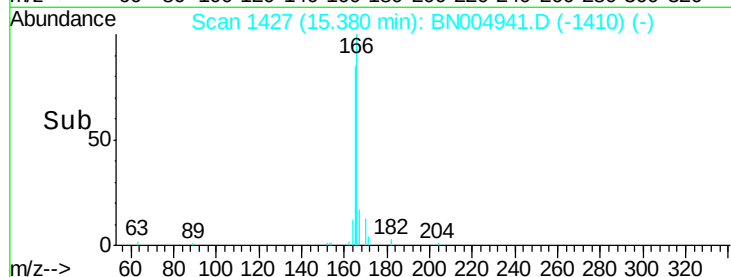
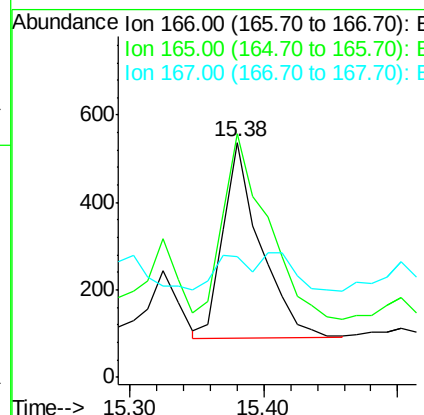
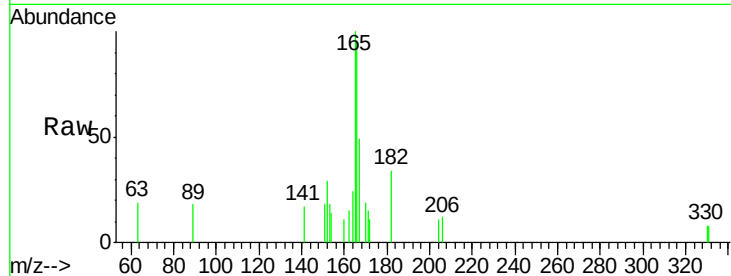
#18
Fluorene
 Concen: 0.029 ng
 RT: 15.38 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
166	100		
165	113.2	78.2	117.4
167	16.3	11.0	16.4

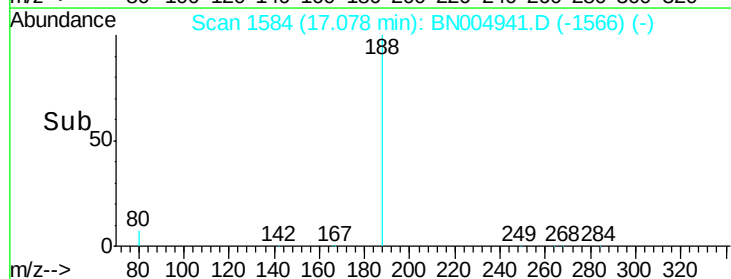
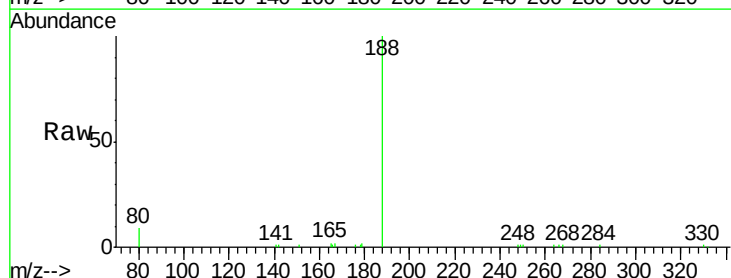
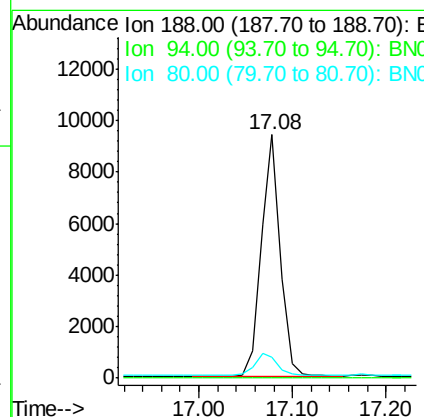
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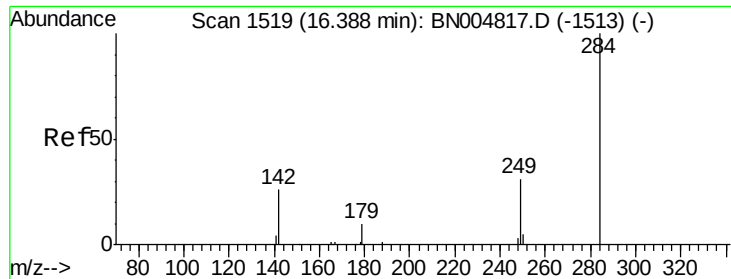
Sohil
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.08 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

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





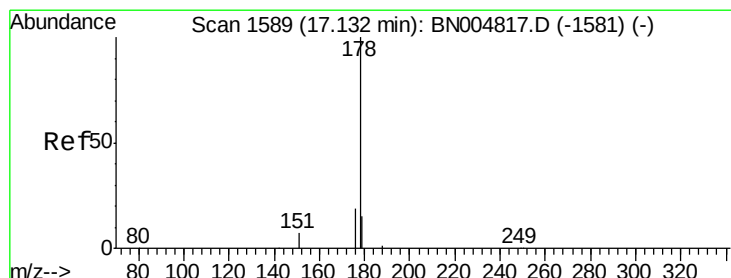
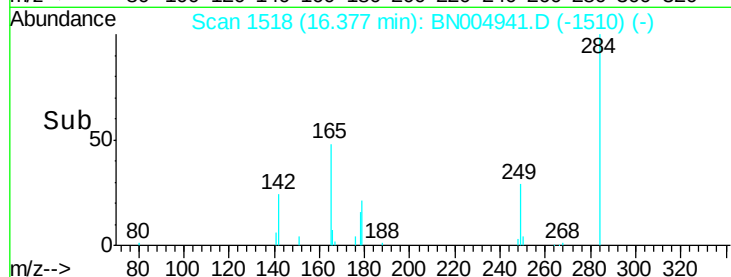
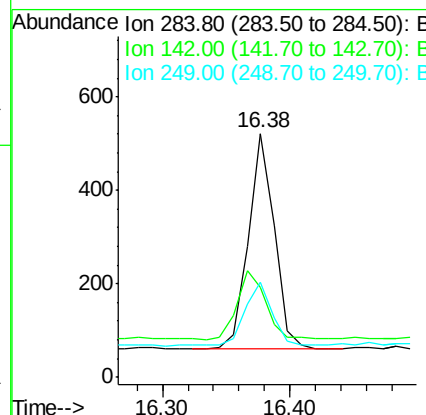
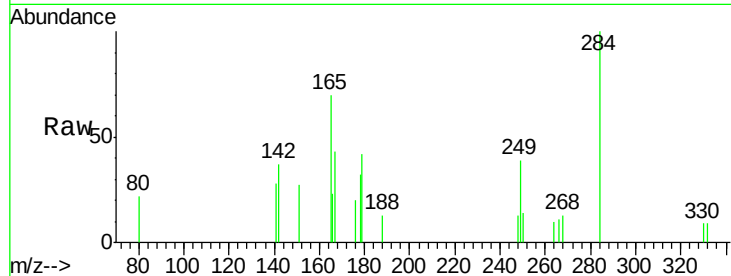
#21
Hexachlorobenzene
Concen: 0.066 ng
RT: 16.38 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.7	22.6	34.0#
249	32.3	22.5	33.7

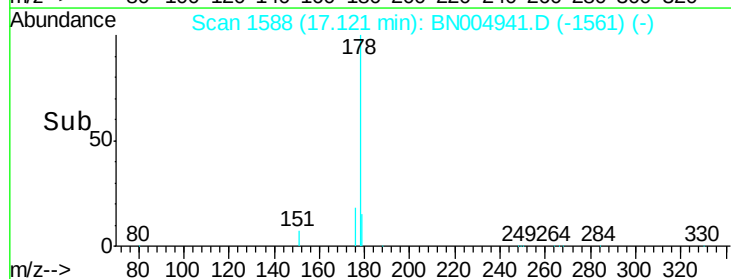
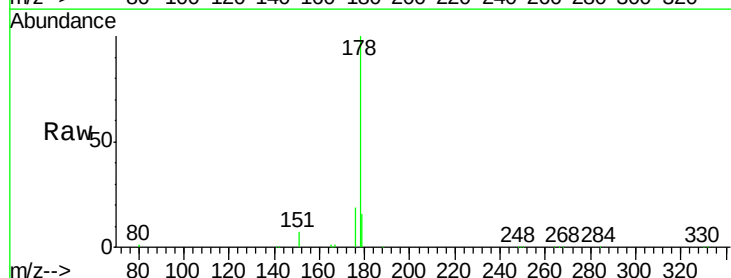
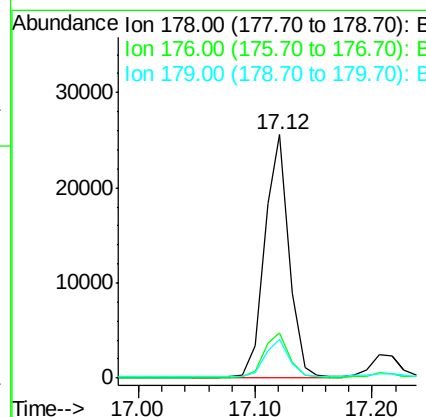
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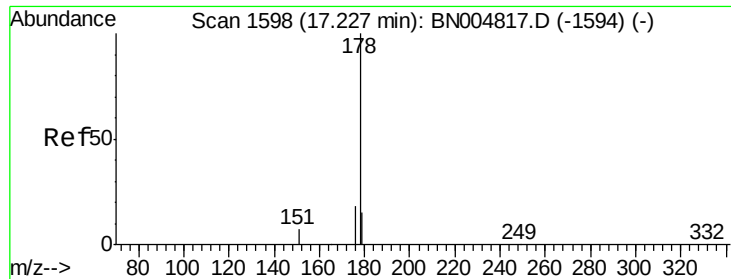
Sohil
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#23
Phenanthrene
Concen: 0.858 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.7	12.1	18.1





#24

Anthracene

Concen: 0.098 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Instrument :

BNA_N

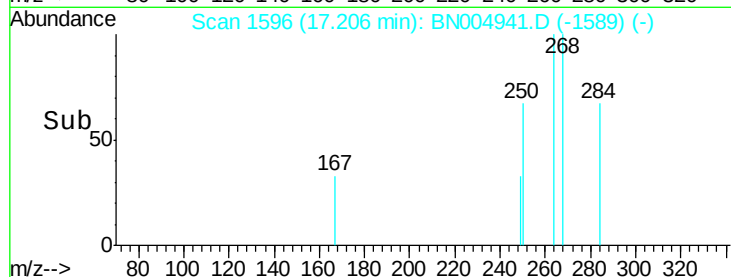
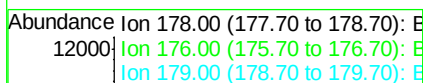
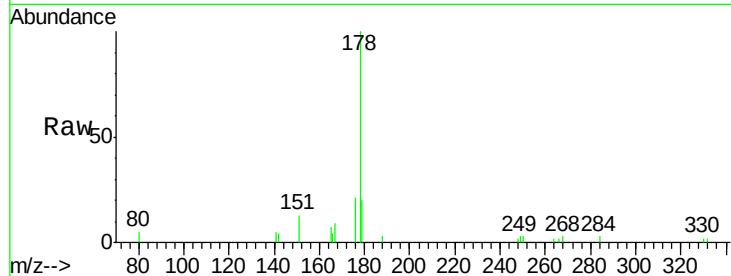
ClientSampleId :

EXT-025-SW036-031919

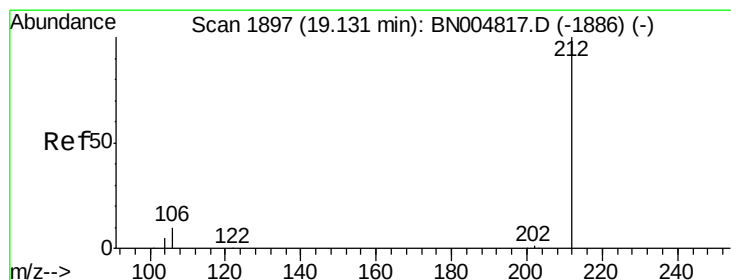
Tgt Ion:	178	Resp:	3748
Ion Ratio	Lower	Upper	
178	100		
176	19.7	14.5	21.7
179	16.7	12.2	18.4

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Time-->



#25

Fluoranthene-d10

Concen: 0.349 ng

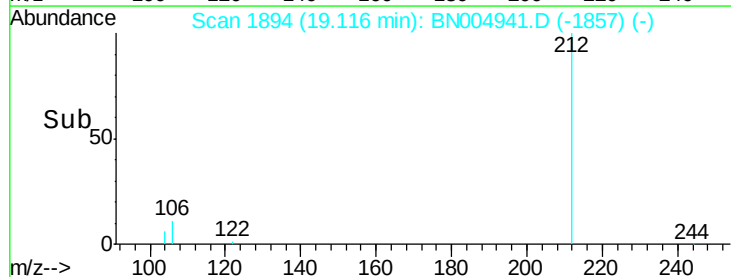
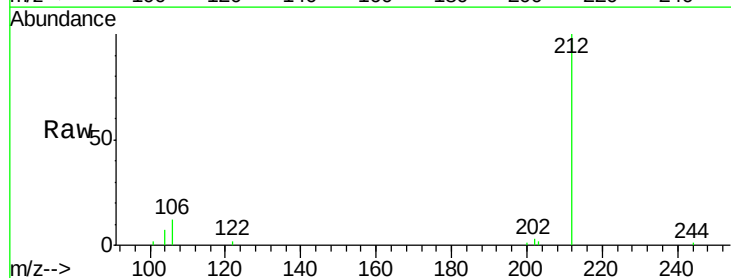
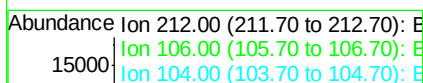
RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

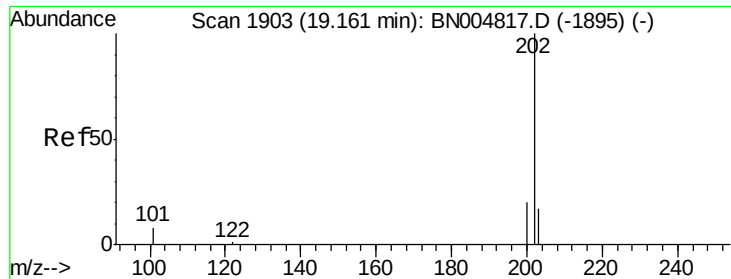
Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Tgt Ion:	212	Resp:	15533
Ion Ratio	Lower	Upper	
212	100		
106	12.8	8.6	13.0
104	7.2	4.7	7.1#



Time-->



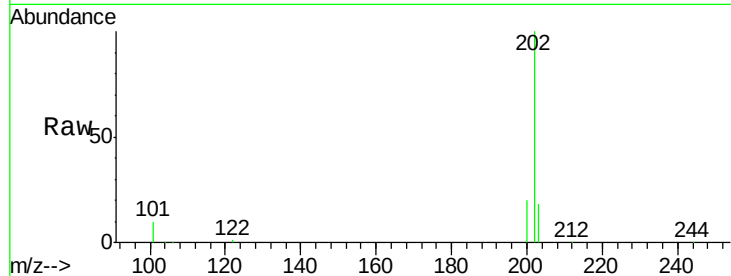
#26
 Fluoranthene
 Concen: 0.885 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW036-031919

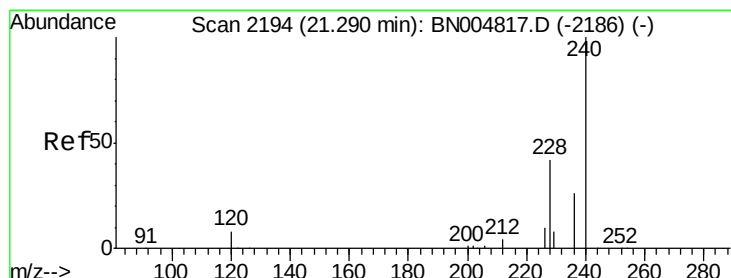
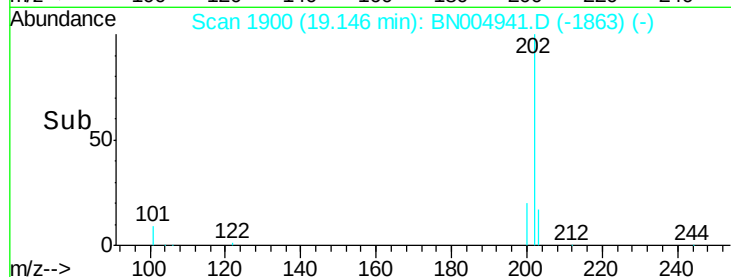
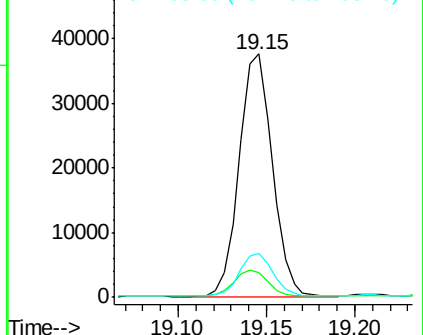
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	48771		
101	11.0	7.5	11.3	
203	17.6	13.8	20.6	

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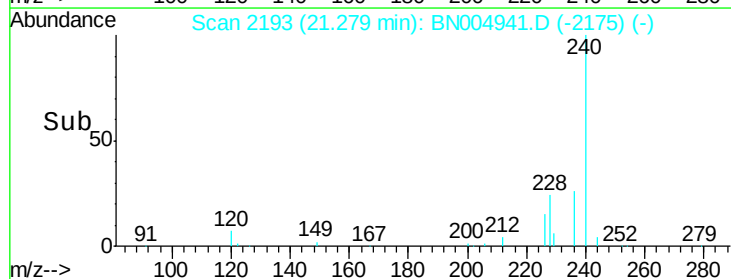
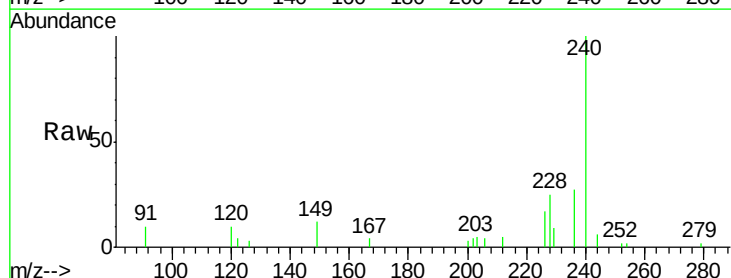
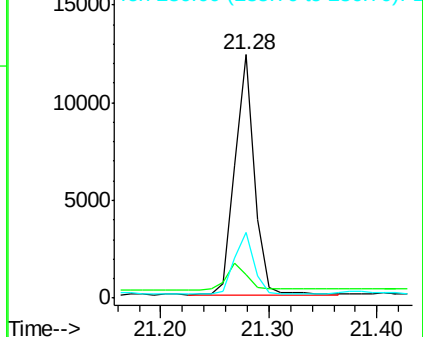
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

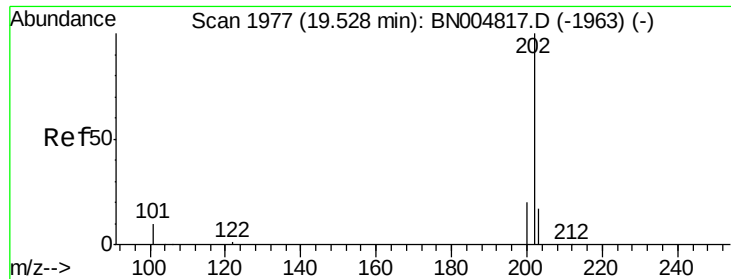


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	15373		
120	9.8	7.2	10.8	
236	27.0	20.9	31.3	

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





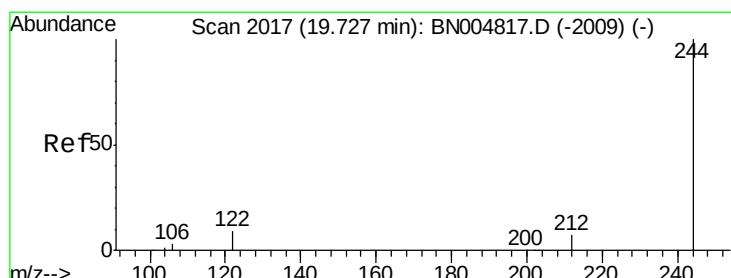
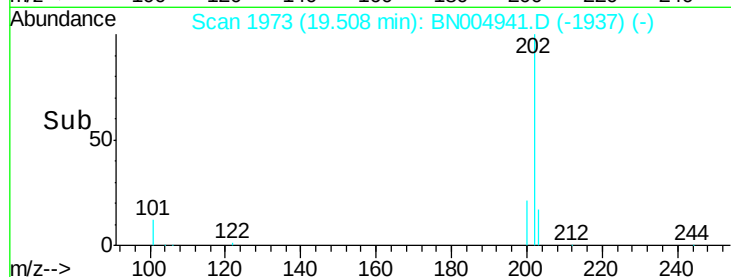
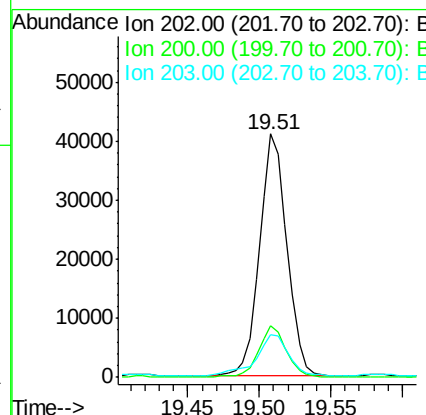
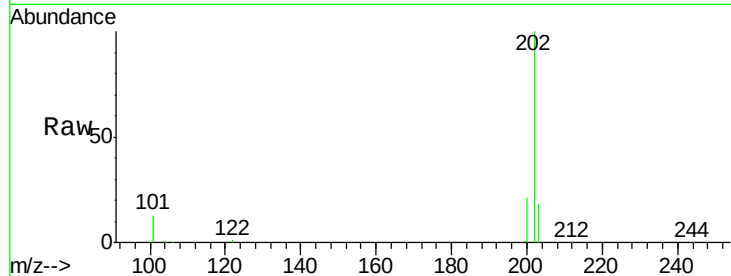
#28
 Pyrene
 Concen: 1.168 ng
 RT: 19.51 min Scan# 1973
 Delta R.T. -0.02 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	20.4	14.0	21.0

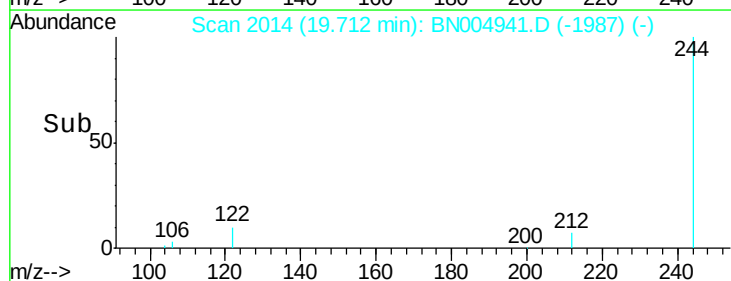
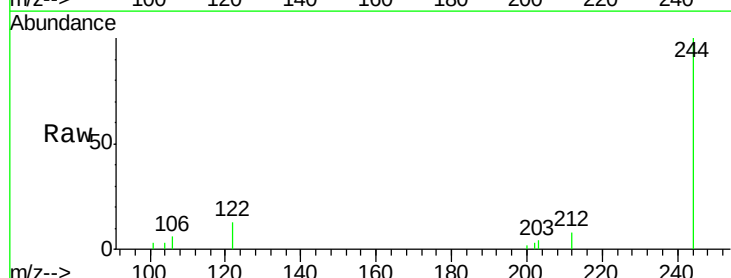
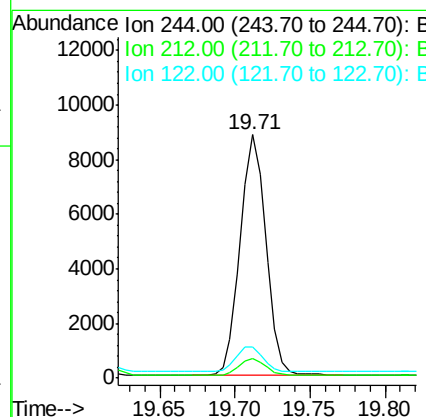
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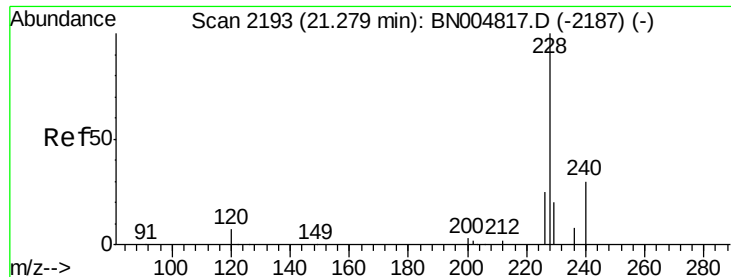
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#29
 Terphenyl-d14
 Concen: 0.334 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.6
122	12.8	7.9	11.9





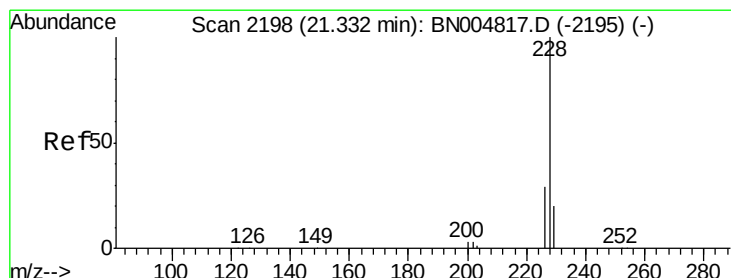
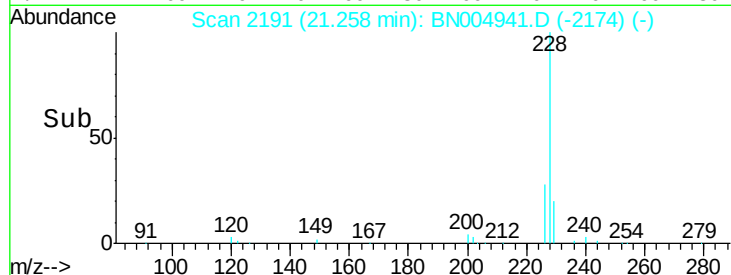
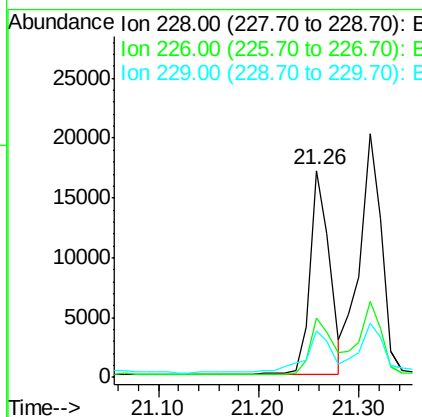
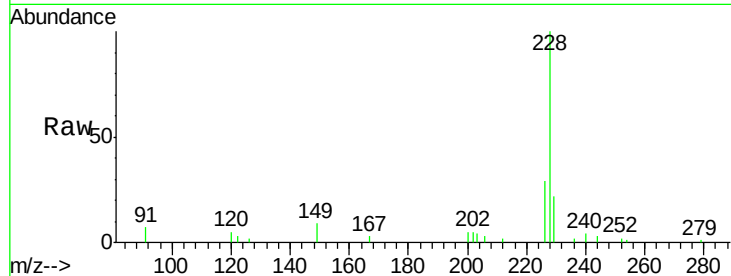
#30
Benzo(a)anthracene
Concen: 0.463 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	20.6	31.0
229	22.3	16.2	24.4

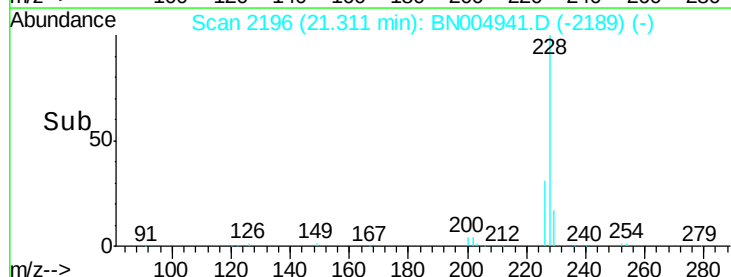
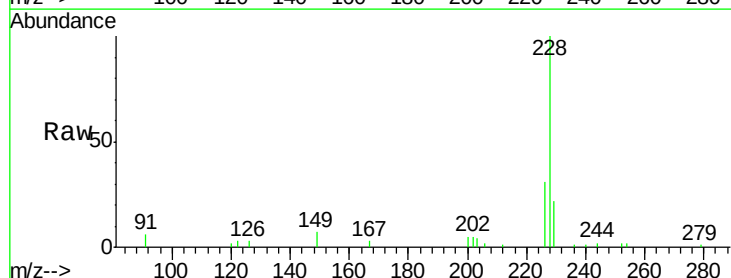
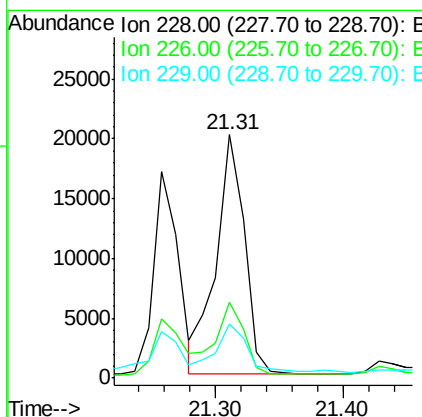
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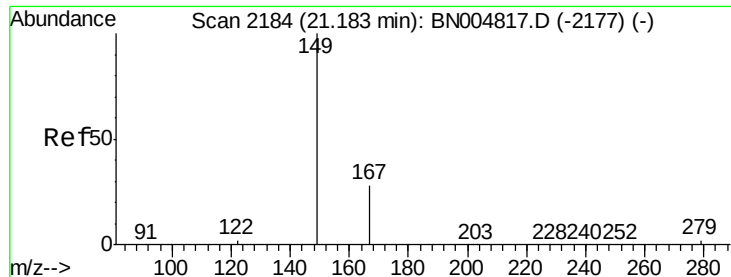
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#31
Chrysene
Concen: 0.579 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.0	34.6
229	22.4	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.352 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Instrument :

BNA_N

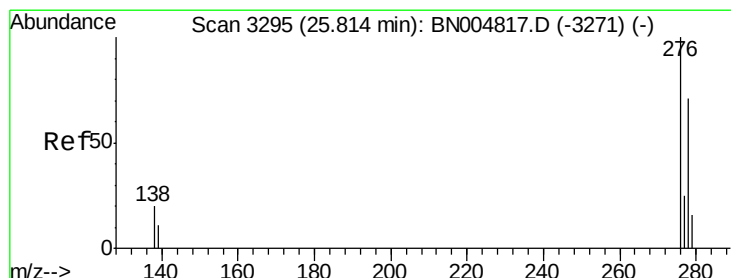
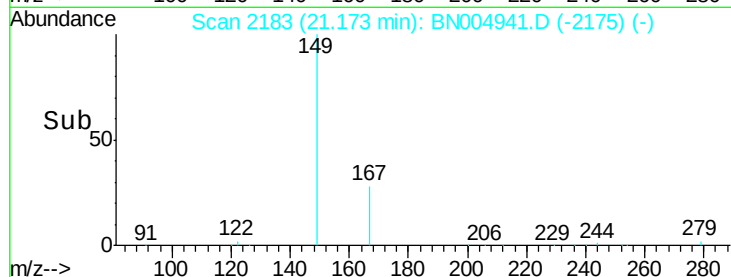
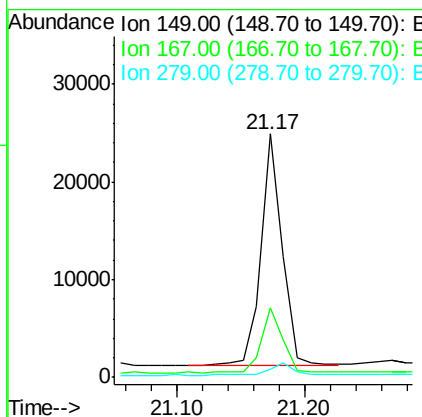
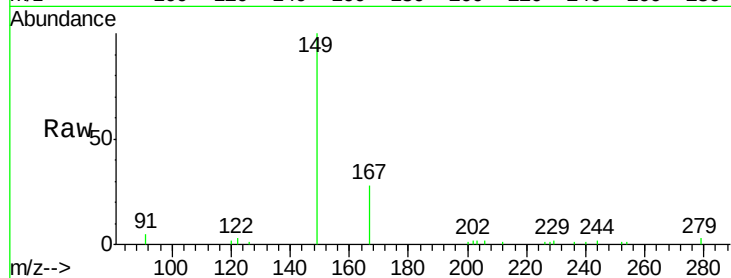
ClientSampleId :

EXT-025-SW036-031919

Tgt Ion:	149	Resp:	27241
Ion Ratio	Lower	Upper	
149	100		
167	28.1	23.0	34.4
279	5.2	4.6	6.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.257 ng

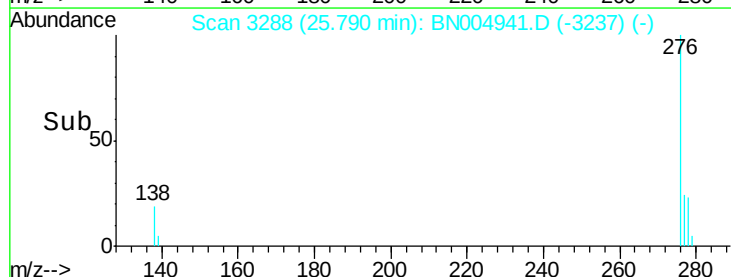
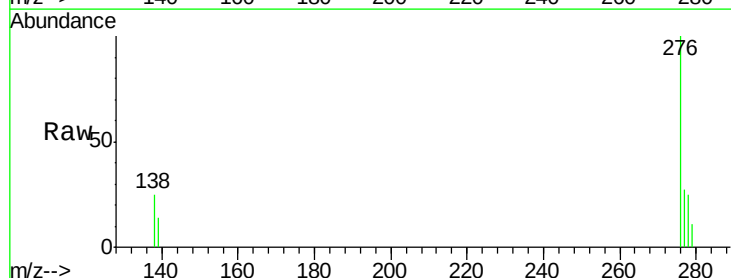
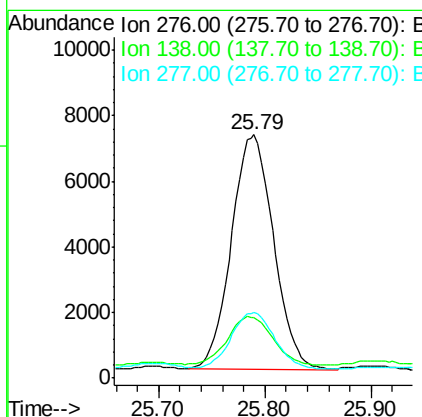
RT: 25.79 min Scan# 3288

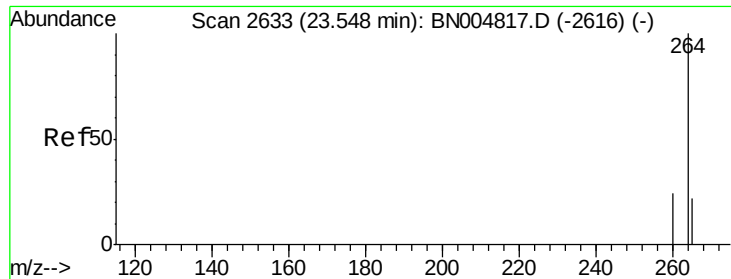
Delta R.T. -0.02 min

Lab File: BN004941.D

Acq: 24 Mar 2019 16:26

Tgt Ion:	276	Resp:	19759
Ion Ratio	Lower	Upper	
276	100		
138	21.8	16.6	24.8
277	24.6	20.3	30.5





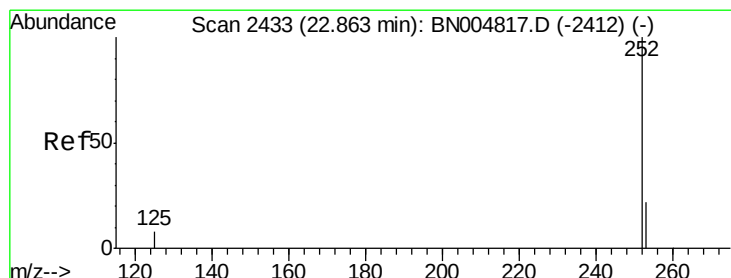
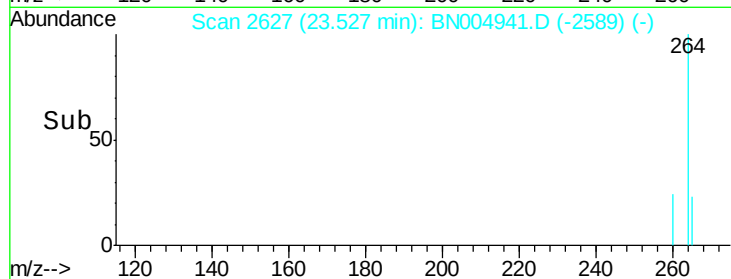
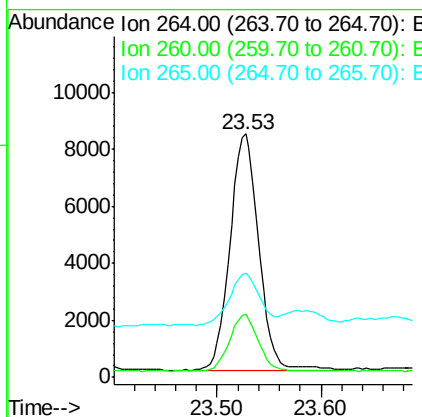
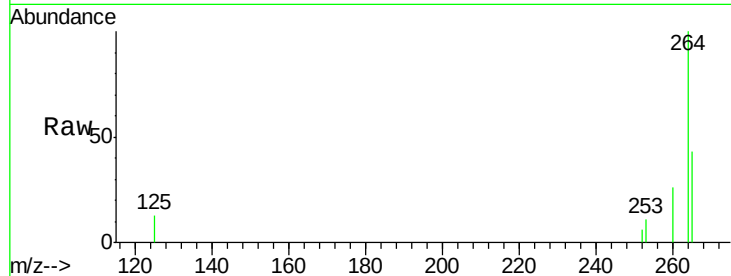
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2627
 Delta R.T. -0.02 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.5	29.3
265	42.9	23.1	34.7

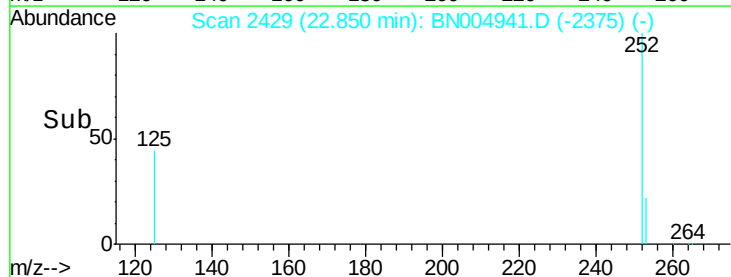
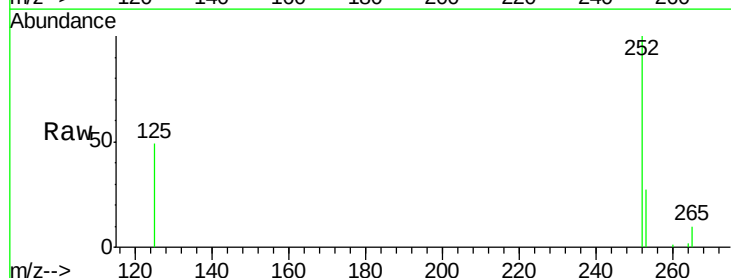
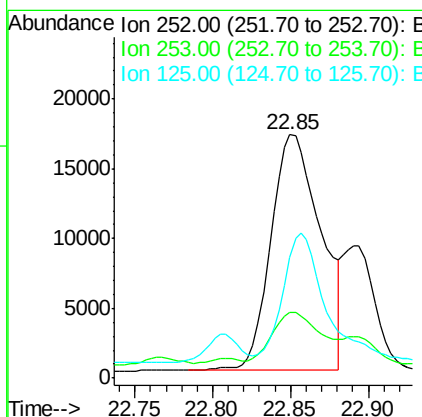
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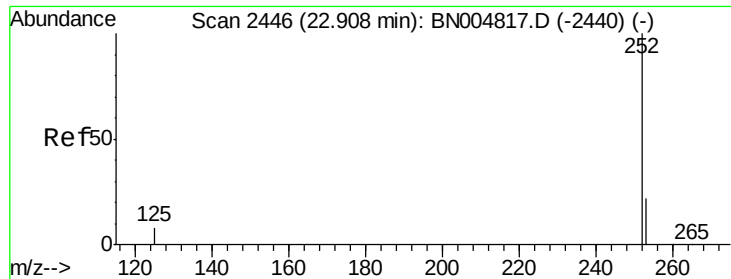
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#35
Benzo(b)fluoranthene
 Concen: 0.656 ng
 RT: 22.85 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BN004941.D
 Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.0	28.4
125	49.5	7.4	11.2





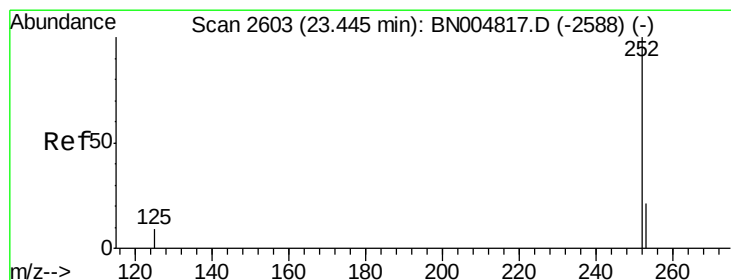
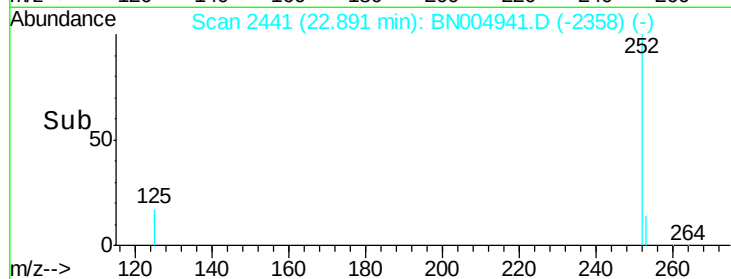
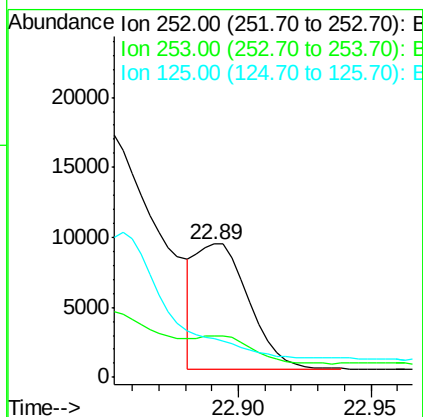
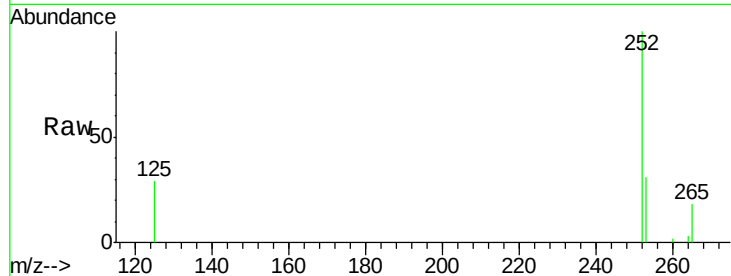
#36
Benzo(k)fluoranthene
Concen: 0.226 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.0	19.3	28.9#
125	28.7	7.4	11.0#

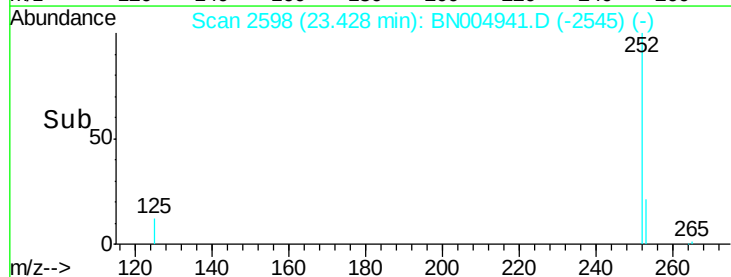
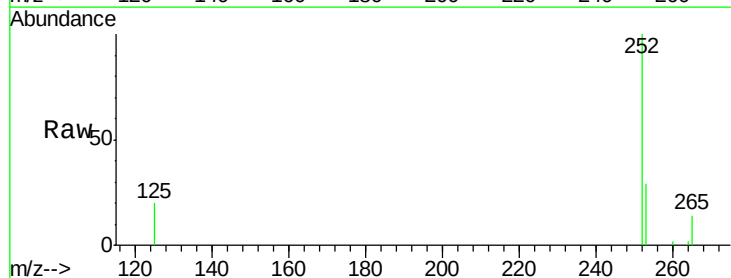
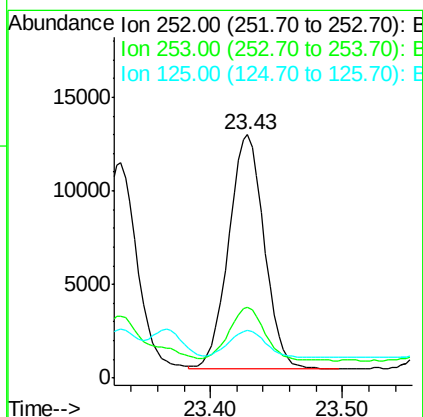
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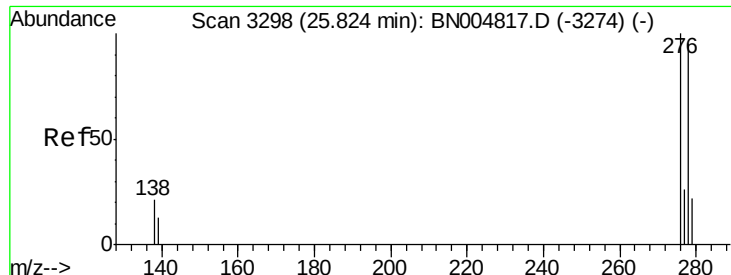
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#37
Benzo(a)pyrene
Concen: 0.441 ng
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	19.7	29.5
125	19.6	8.3	12.5#





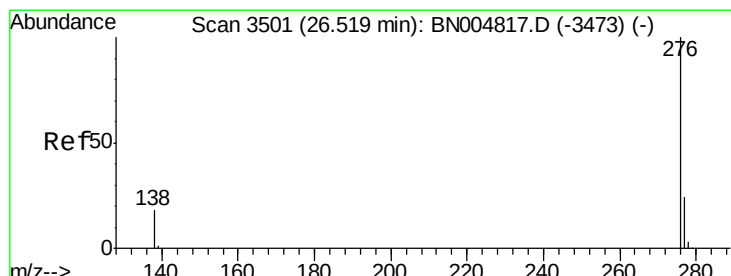
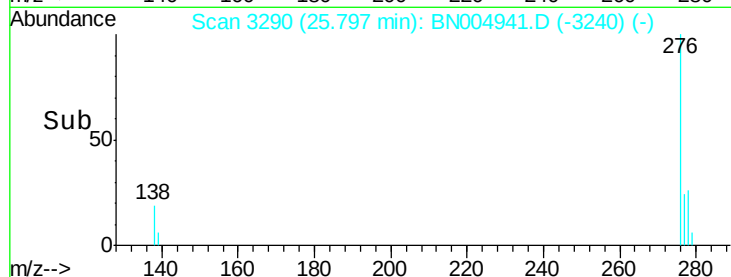
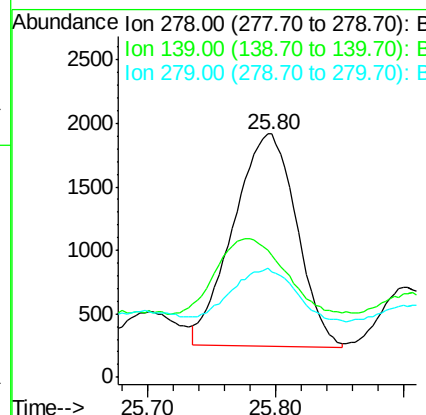
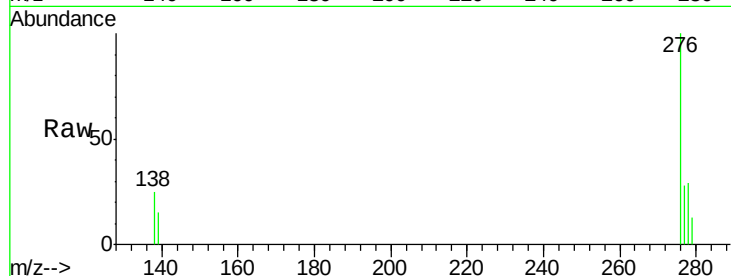
#38
Dibenzo(a,h)anthracene
Concen: 0.094 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW036-031919

Tgt Ion	Ratio	Lower	Upper
278	100		
139	50.3	11.7	17.5#
279	43.4	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/26/2019 6:33:48 PM



#39
Benzo(g,h,i)perylene
Concen: 0.334 ng
RT: 26.48 min Scan# 3491
Delta R.T. -0.03 min
Lab File: BN004941.D
Acq: 24 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.7	29.5
138	24.5	14.6	22.0#

