

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004940.D
 Acq On : 24 Mar 2019 15:50
 Operator : JU/SJ
 Sample : K2015-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW035-031919

Manual Integrations
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Quant Time: Mar 25 03:55:27 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	3273	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	13134	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6858	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14532	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17225	0.40	ng	-0.01
34) Perylene-d12	23.52	264	17772	0.40	ng	-0.02

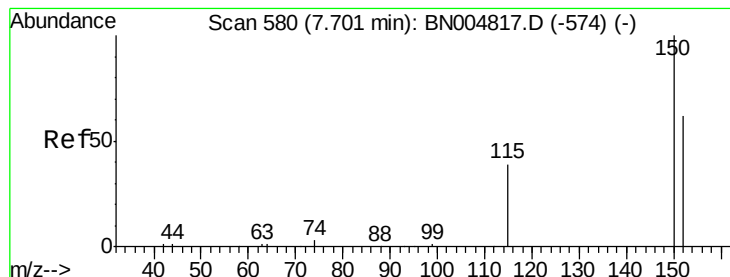
System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3219	0.36	ng	0.00
5) Phenol-d6	6.86	99	3973	0.36	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3175	0.37	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	6986	0.30	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1432	0.30	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	9524	0.34	ng	-0.02
25) Fluoranthene-d10	19.12	212	14057	0.29	ng	-0.02
29) Terphenyl-d14	19.71	244	9494	0.27	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	1036	0.028	ng	# 79
12) 2-Methylnaphthalene	12.14	142	638	0.023	ng	# 91
16) Acenaphthylene	14.04	152	2692	0.076	ng	97
21) Hexachlorobenzene	16.38	284	601	0.055	ng	# 90
23) Phenanthrene	17.12	178	13880	0.296	ng	99
24) Anthracene	17.21	178	2552	0.061	ng	99
26) Fluoranthene	19.15	202	32851	0.545	ng	98
28) Pyrene	19.51	202	31572	0.601	ng	# 96
30) Benzo(a)anthracene	21.26	228	15946	0.282	ng	93
31) Chrysene	21.31	228	20667	0.347	ng	94
32) Bis(2-ethylhexyl)phthalate	21.17	149	19053	0.844	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	15516	0.180	ng	99
35) Benzo(b)fluoranthene	22.85	252	28840	0.449	ng	# 49
36) Benzo(k)fluoranthene	22.89	252	10919m	0.173	ng	
37) Benzo(a)pyrene	23.42	252	17861	0.303	ng	# 81
38) Dibenzo(a,h)anthracene	25.79	278	4491	0.066	ng	# 32
39) Benzo(g,h,i)perylene	26.48	276	16334	0.235	ng	# 88

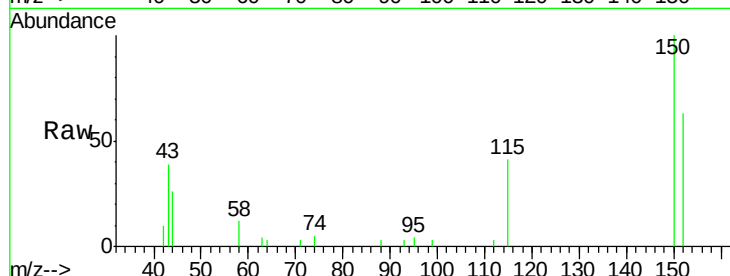
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.68 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: BN004940.D
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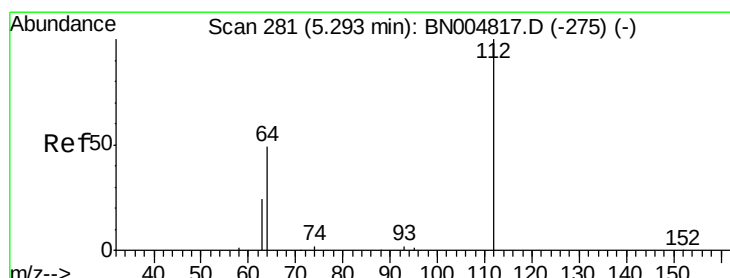
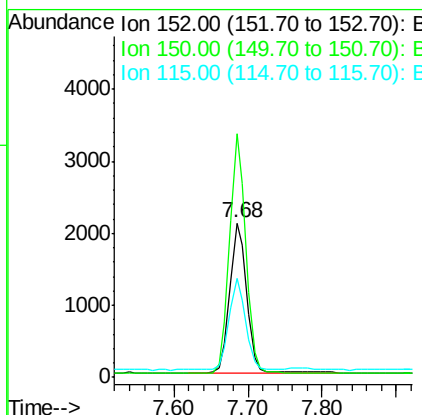
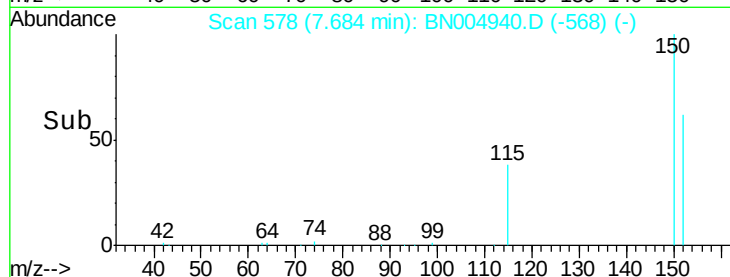
Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW035-031919



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.2	189.4
115	63.9	52.6	79.0

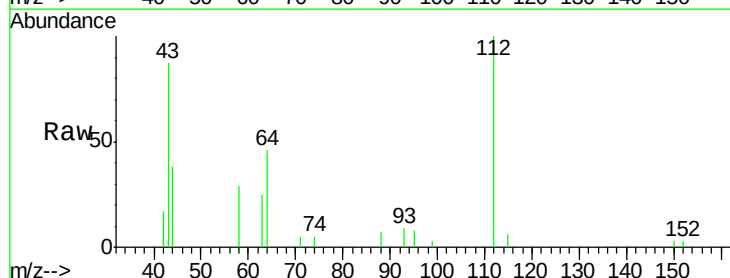
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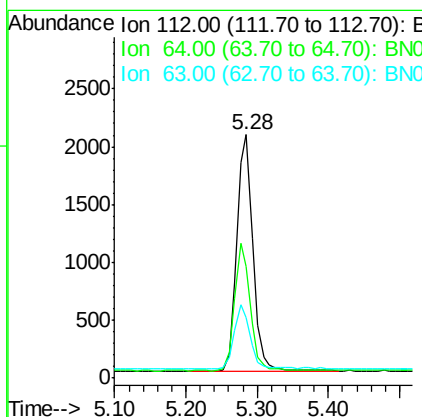
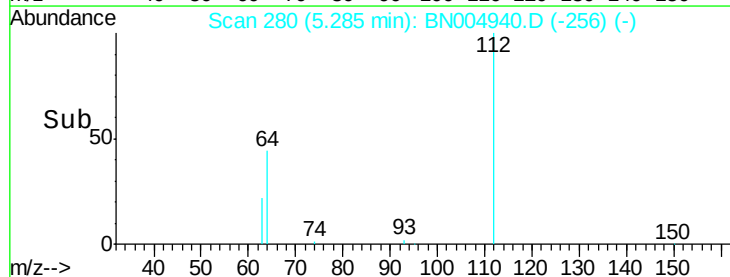


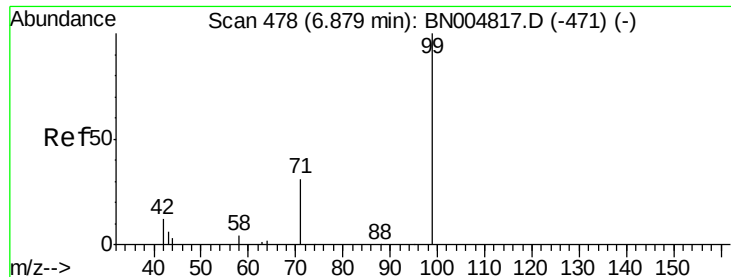
#4

2-Fluorophenol
 Concen: 0.362 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004940.D
 Acq: 24 Mar 2019 15:50



Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	40.0	60.0
63	26.0	20.2	30.2





#5

Phenol-d6

Concen: 0.359 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Instrument :

BNA_N

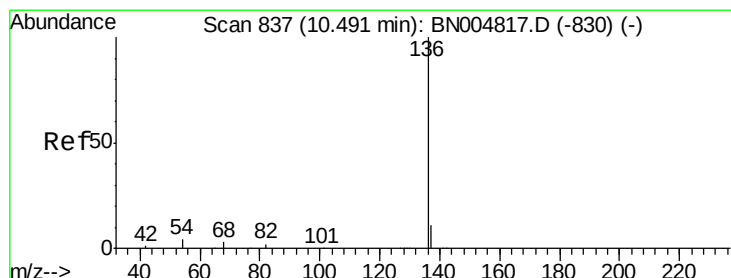
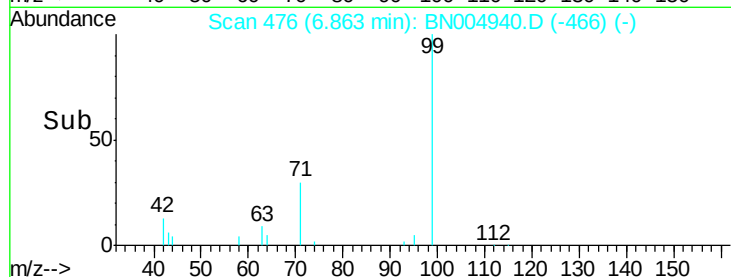
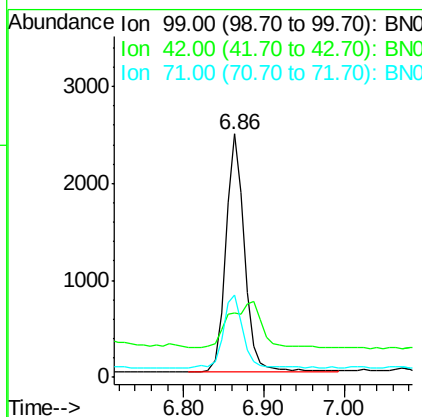
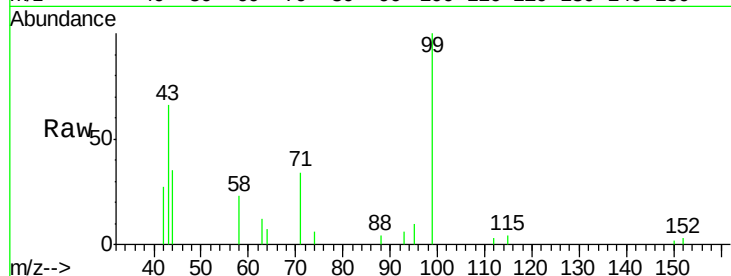
ClientSampleId :

EXT-025-SW035-031919

Tgt Ion:	99	Resp:	3973
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.7	19.1#
71	32.6	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

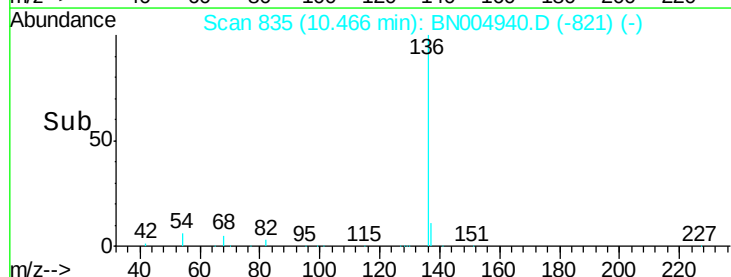
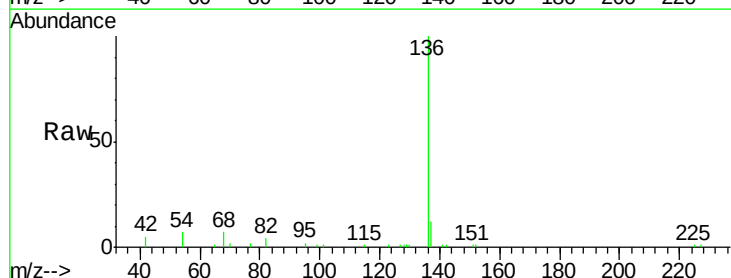
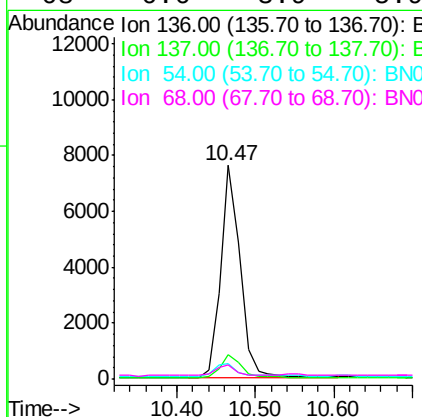
RT: 10.47 min Scan# 835

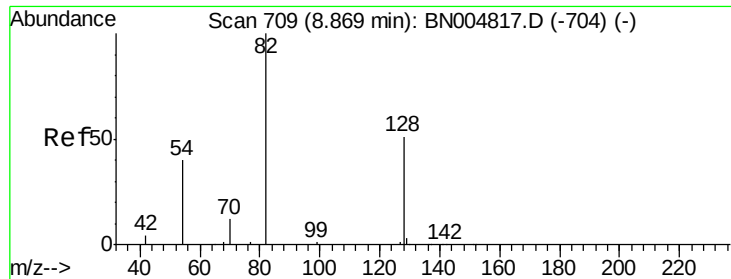
Delta R.T. -0.03 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Tgt Ion:	136	Resp:	13134
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.6	14.4
54	7.2	4.2	6.2#
68	6.6	3.9	5.9#





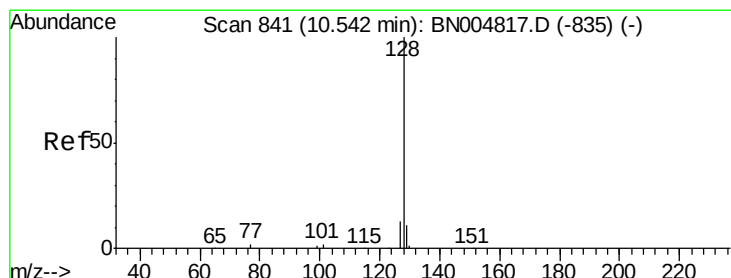
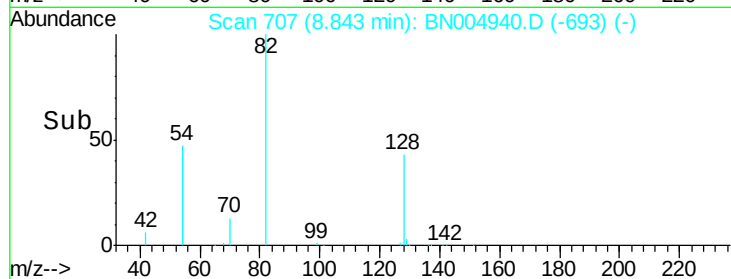
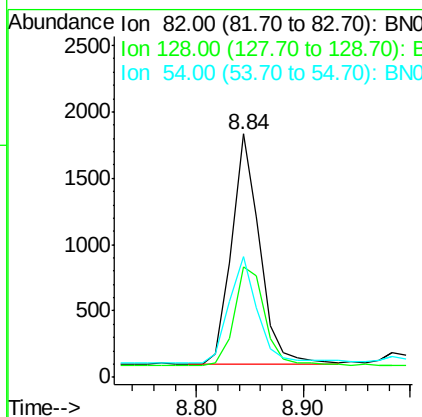
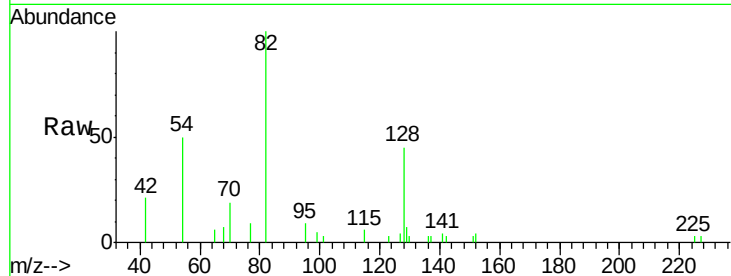
#8
 Nitrobenzene-d5
 Concen: 0.365 ng
 RT: 8.84 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: BN004940.D
 Acq: 24 Mar 2019 15:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW035-031919

Tgt Ion:	82	Resp:	3175
Ion Ratio	Lower	Upper	
82	100		
128	45.3	43.0	64.6
54	49.8	35.3	52.9

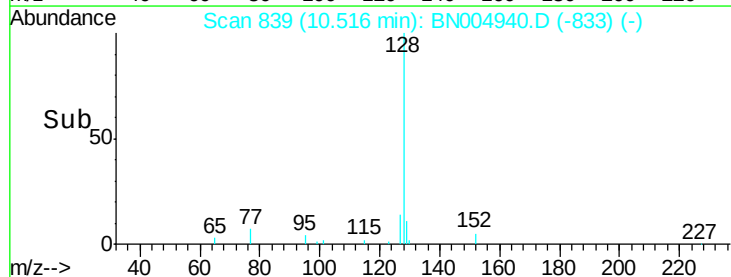
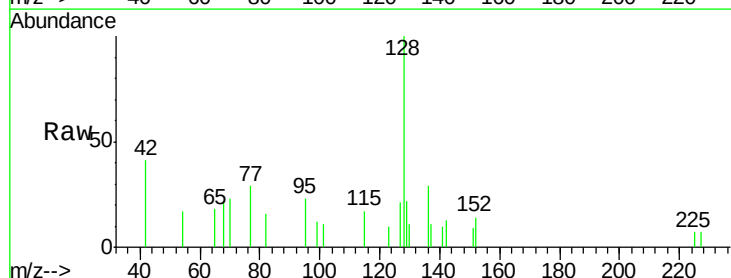
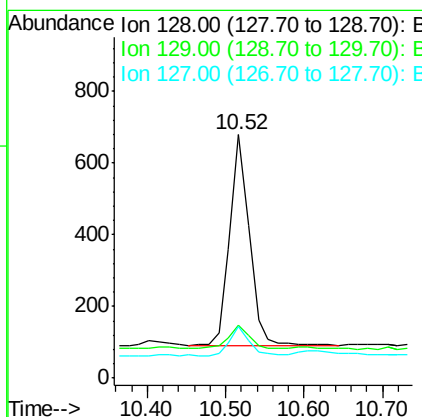
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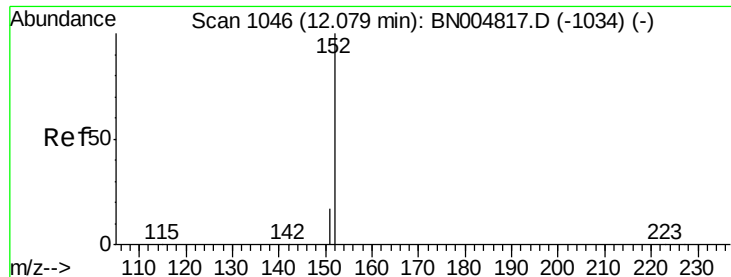
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#9
 Naphthalene
 Concen: 0.028 ng
 RT: 10.52 min Scan# 839
 Delta R.T. -0.03 min
 Lab File: BN004940.D
 Acq: 24 Mar 2019 15:50

Tgt Ion:	128	Resp:	1036
Ion Ratio	Lower	Upper	
128	100		
129	21.6	9.9	14.9#
127	21.4	11.3	16.9#





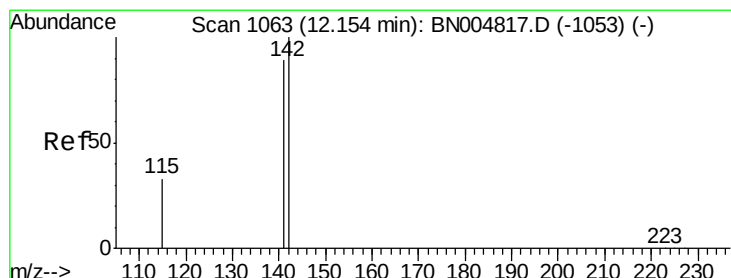
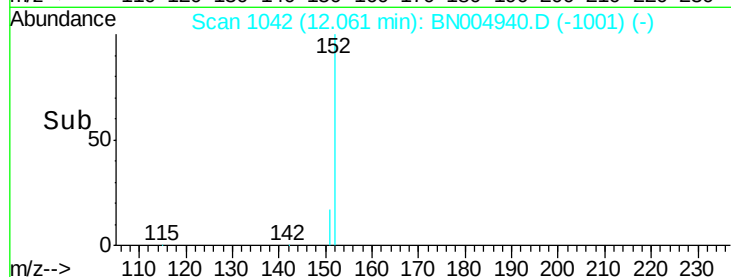
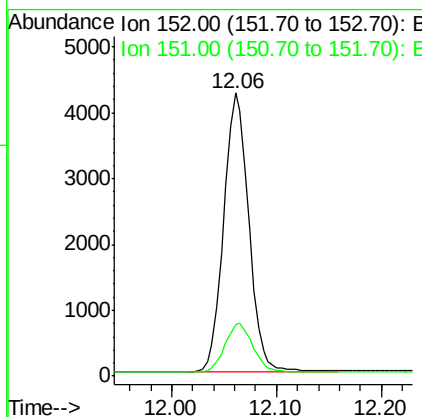
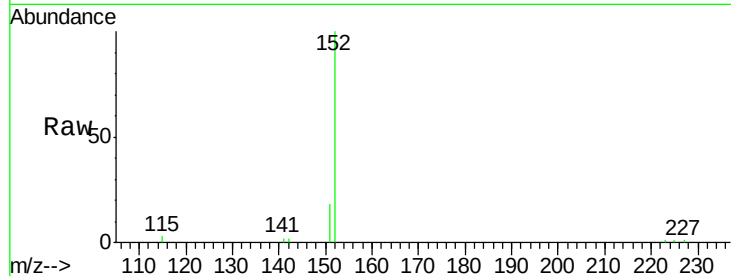
#11
2-Methylnaphthalene-d10
Concen: 0.305 ng
RT: 12.06 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW035-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

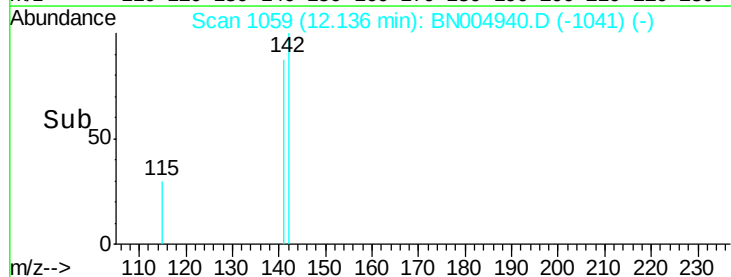
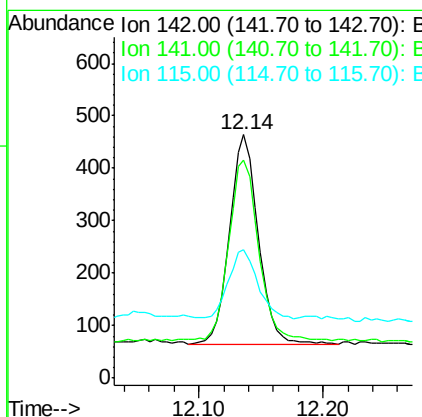
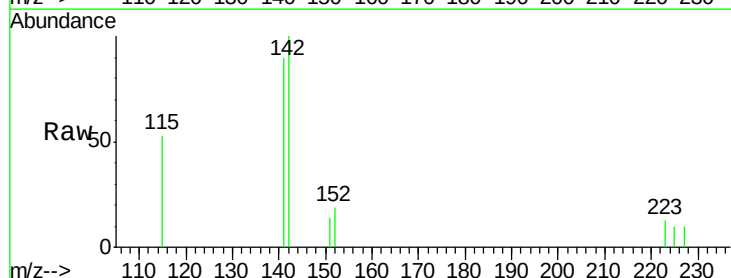
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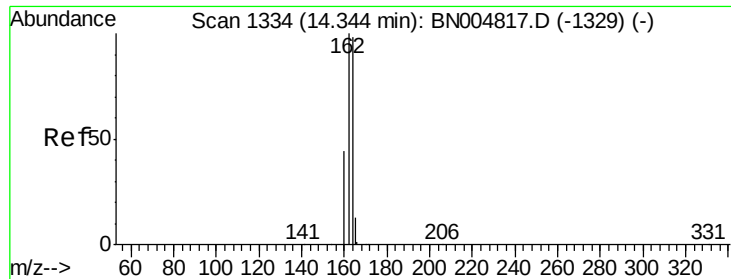
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#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 12.14 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.4	107.2
115	52.8	27.5	41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Instrument :

BNA_N

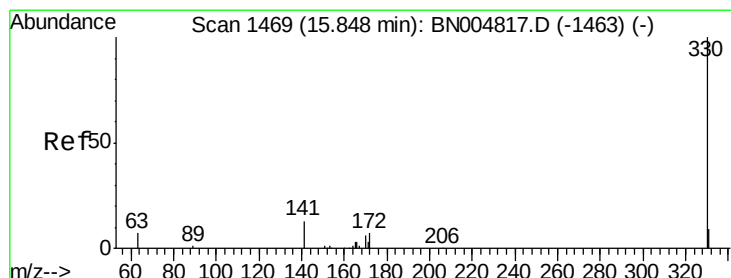
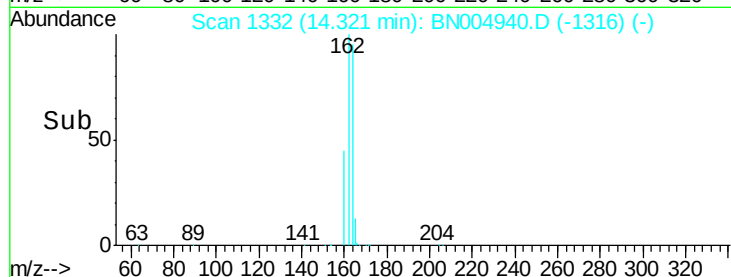
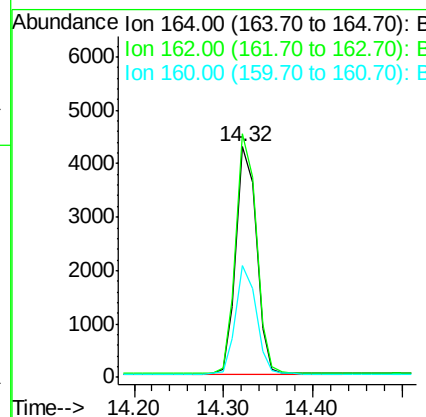
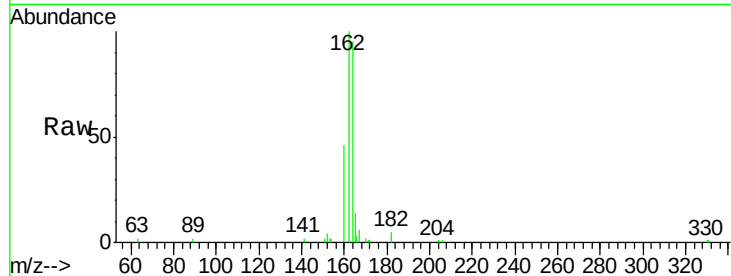
ClientSampleId :

EXT-025-SW035-031919

Tgt Ion:	164	Resp:	6858
Ion Ratio	Lower	Upper	
164	100		
162	105.6	81.9	122.9
160	48.2	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.302 ng

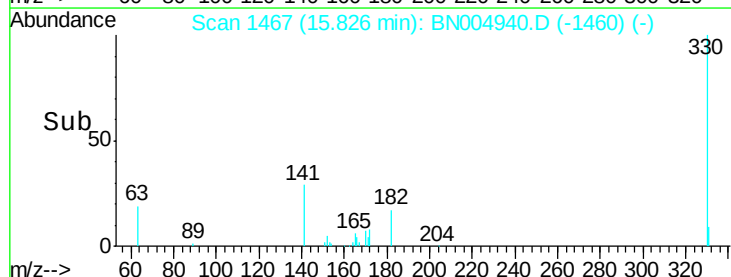
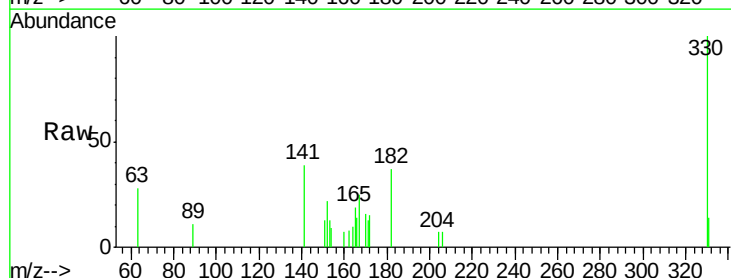
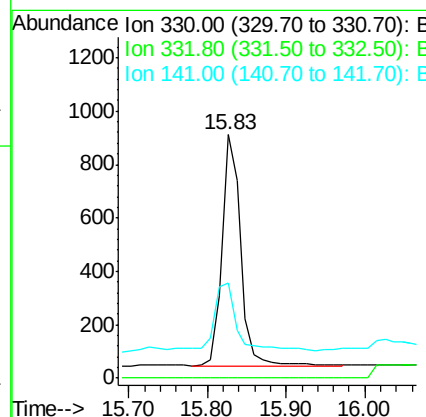
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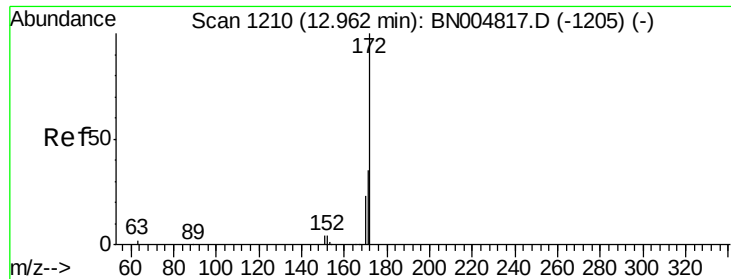
Delta R.T. -0.02 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Tgt Ion:	330	Resp:	1432
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	35.1	20.9	31.3#





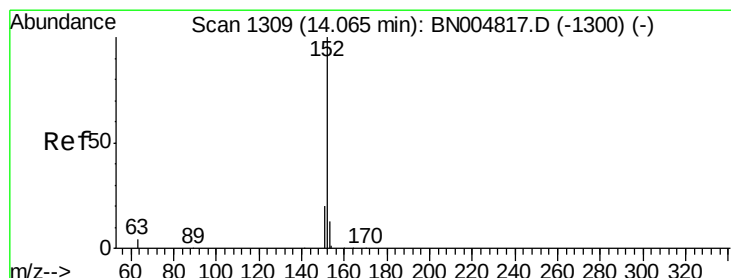
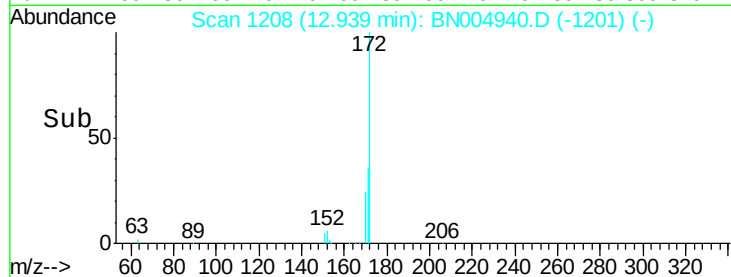
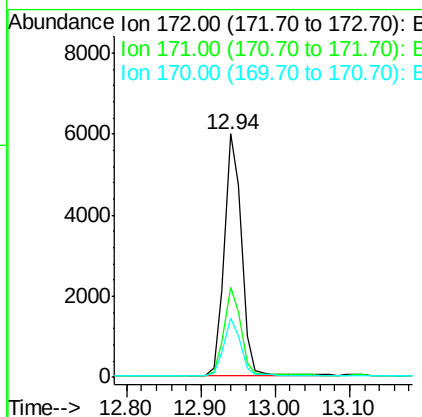
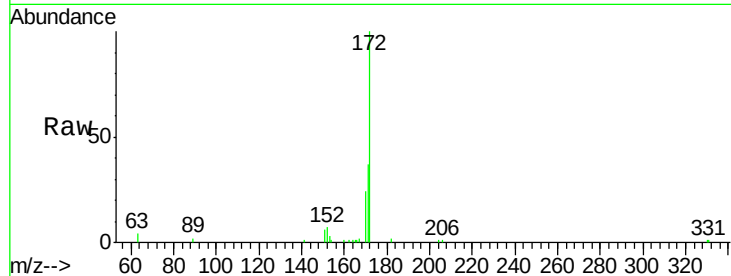
#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:	172	Resp:	9524
Ion Ratio	Lower	Upper	
172	100		
171	36.8	28.7	43.1
170	24.2	18.7	28.1

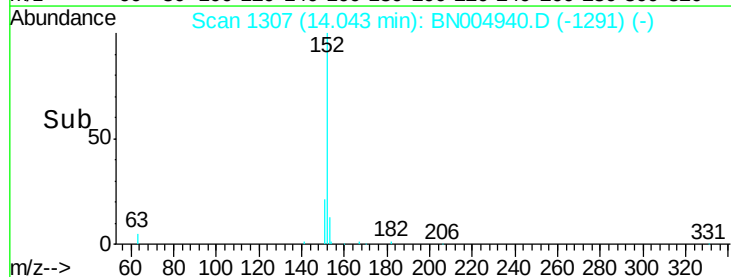
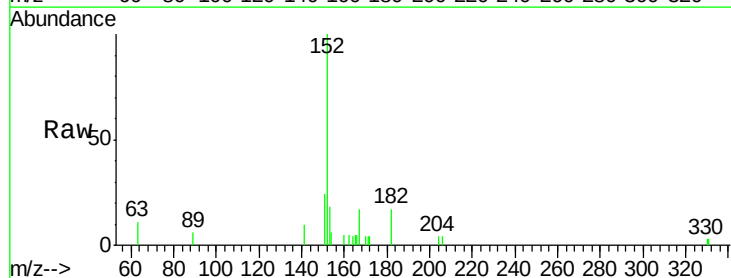
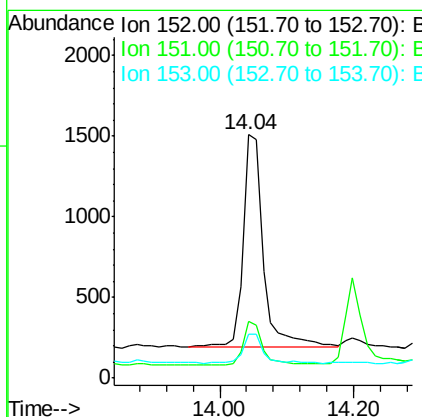
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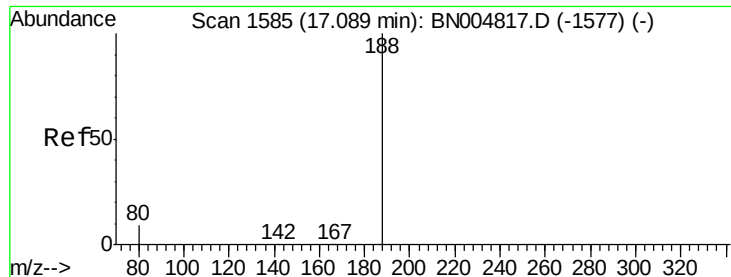
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#16
Acenaphthylene
Concen: 0.076 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Tgt Ion:	152	Resp:	2692
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.1	24.1
153	14.6	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Instrument :

BNA_N

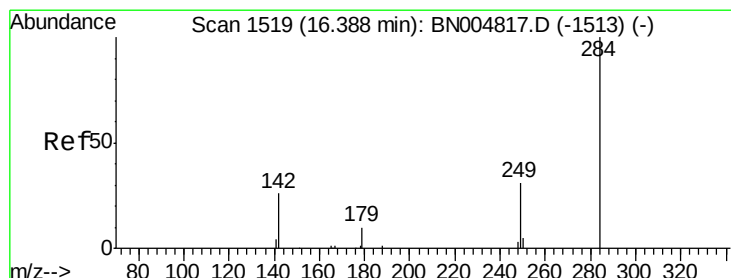
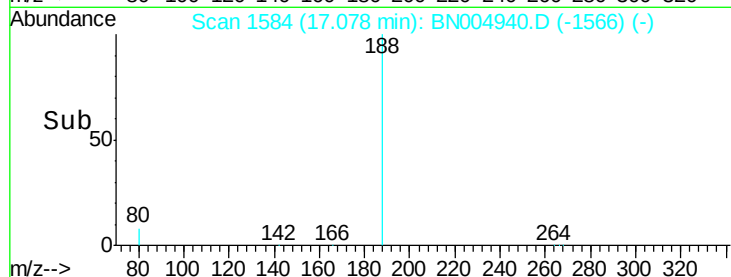
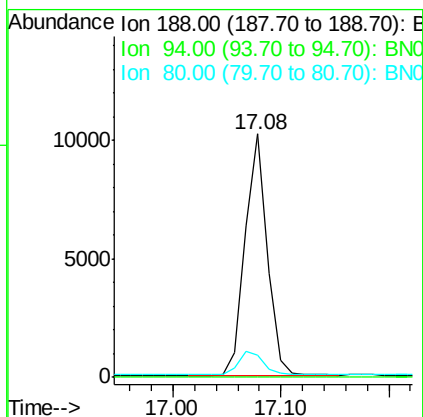
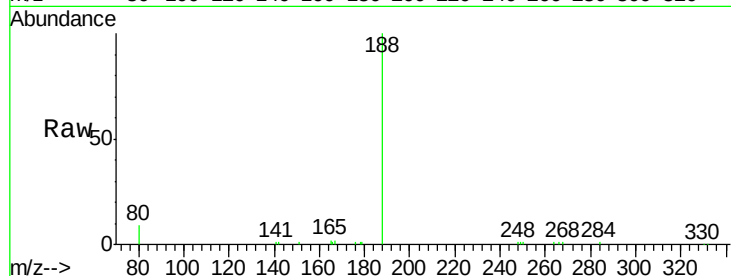
ClientSampleId :

EXT-025-SW035-031919

Tgt Ion:	188	Resp:	14532
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.2	7.4	11.2

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#21

Hexachlorobenzene

Concen: 0.055 ng

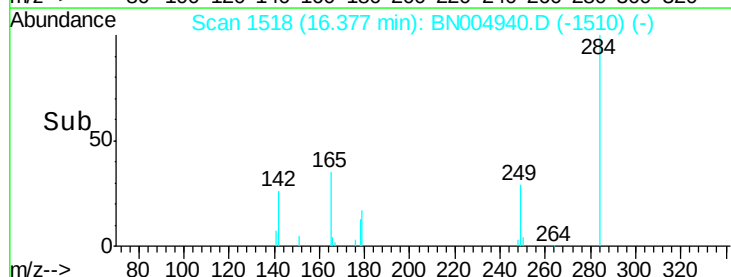
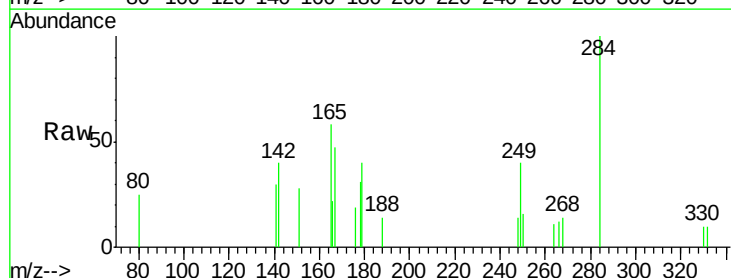
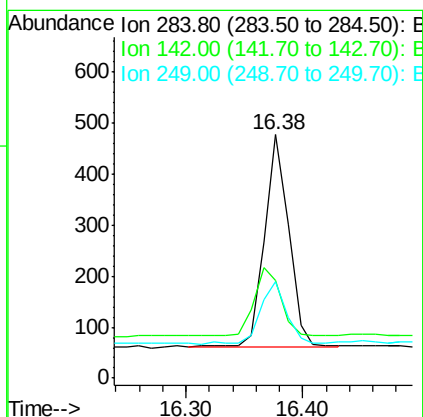
RT: 16.38 min Scan# 1518

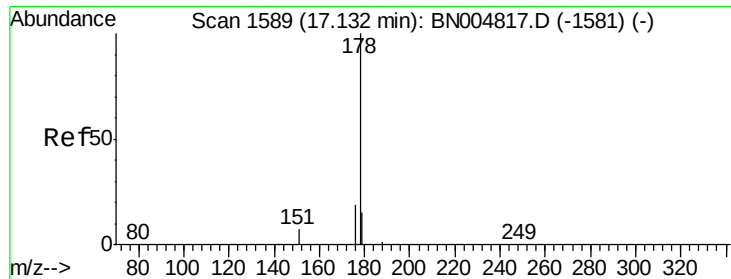
Delta R.T. -0.01 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Tgt Ion:	284	Resp:	601
Ion Ratio	Lower	Upper	
284	100		
142	34.8	22.6	34.0#
249	32.6	22.5	33.7





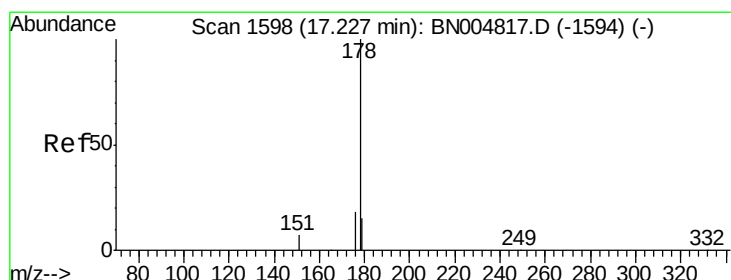
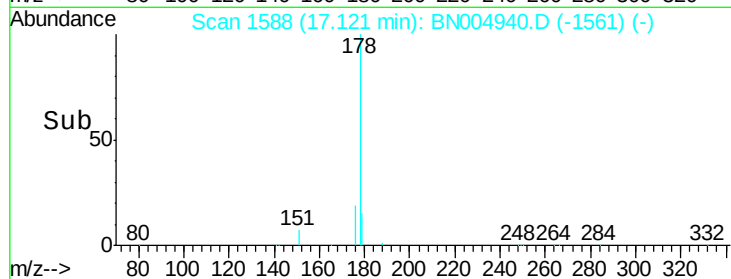
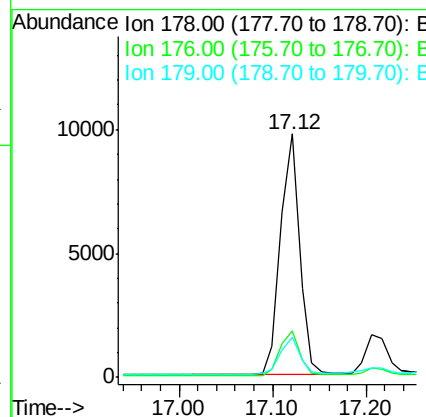
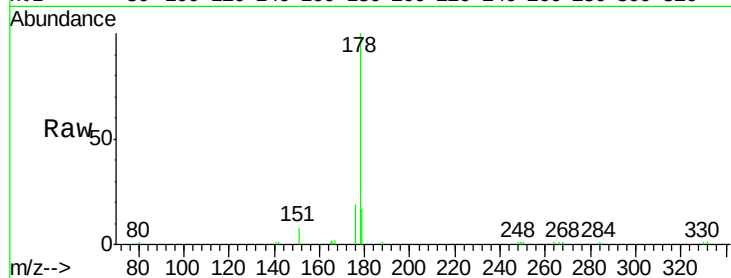
#23
Phenanthrene
Concen: 0.296 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Instrument :
BNA_N
ClientSampled :
EXT-025-SW035-031919

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.9	12.1	18.1

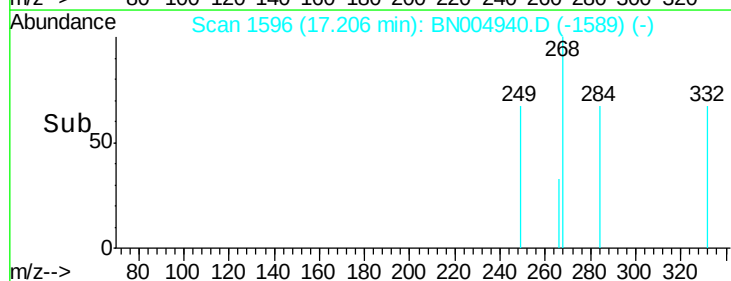
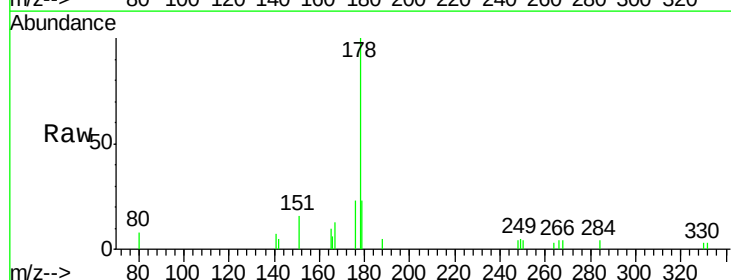
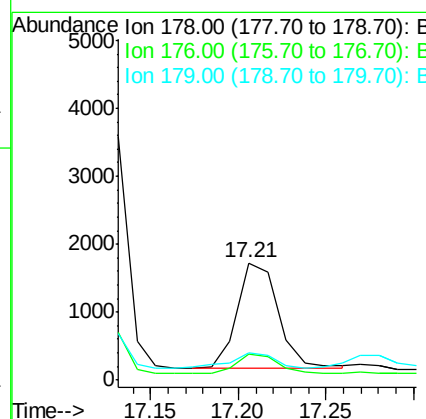
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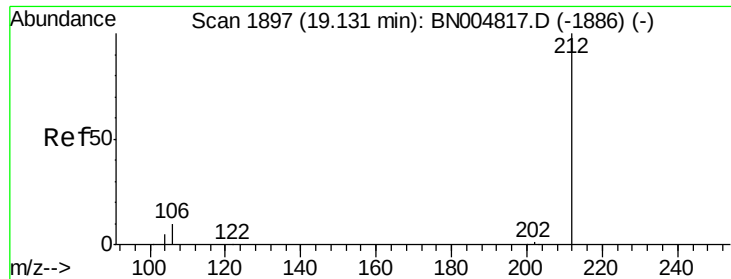
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#24
Anthracene
Concen: 0.061 ng
RT: 17.21 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.5	21.7
179	15.6	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.289 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Instrument :

BNA_N

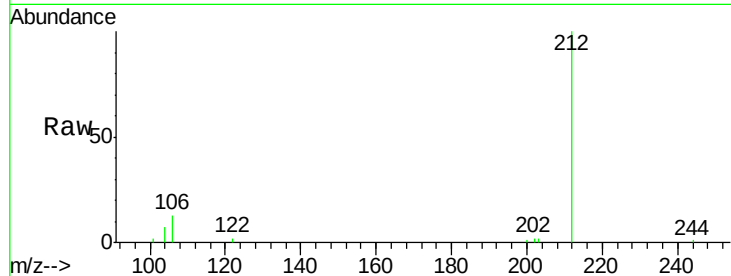
ClientSampleId :

EXT-025-SW035-031919

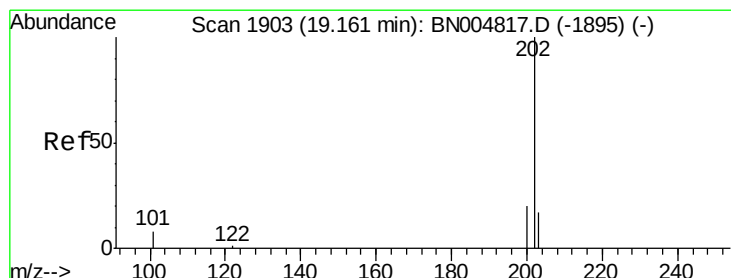
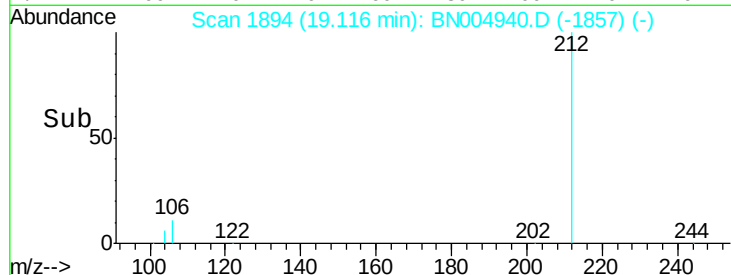
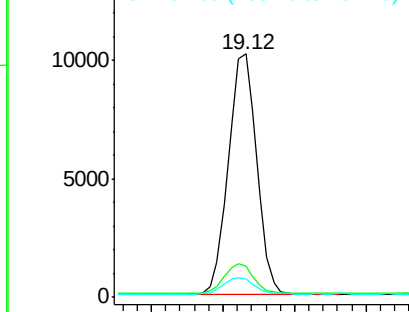
Tgt Ion:	212	Resp:	14057
Ion Ratio	Lower	Upper	
212	100		
106	12.6	8.6	13.0
104	7.6	4.7	7.1#

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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: 0.545 ng

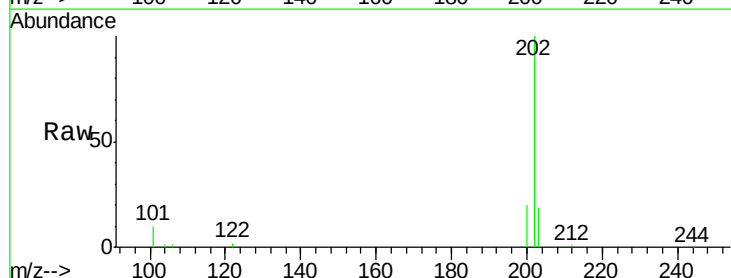
RT: 19.15 min Scan# 1900

Delta R.T. -0.02 min

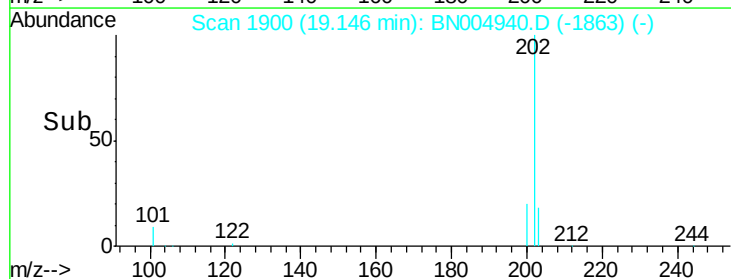
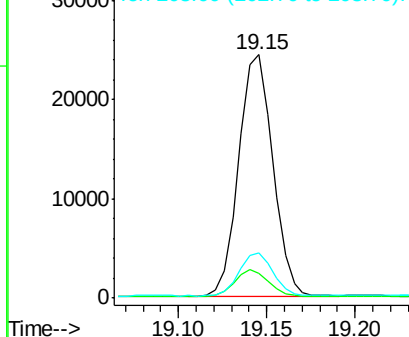
Lab File: BN004940.D

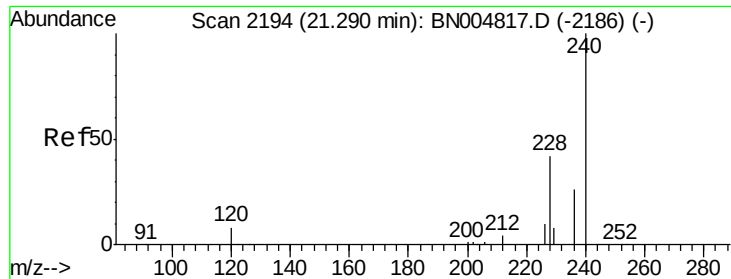
Acq: 24 Mar 2019 15:50

Tgt Ion:	202	Resp:	32851
Ion Ratio	Lower	Upper	
202	100		
101	11.1	7.5	11.3
203	17.5	13.8	20.6



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





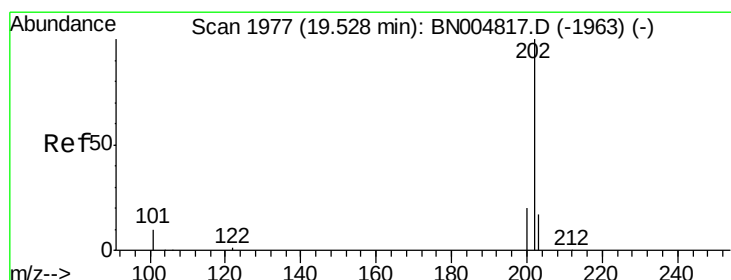
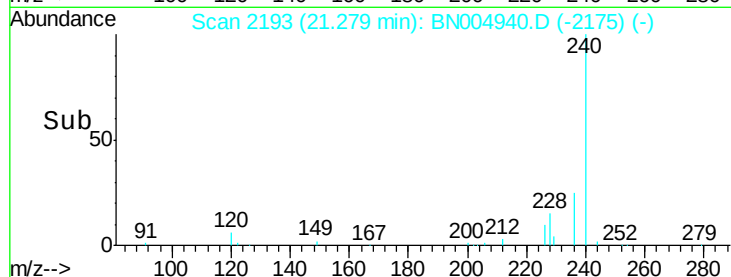
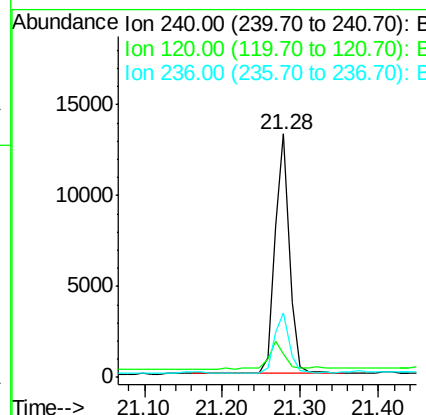
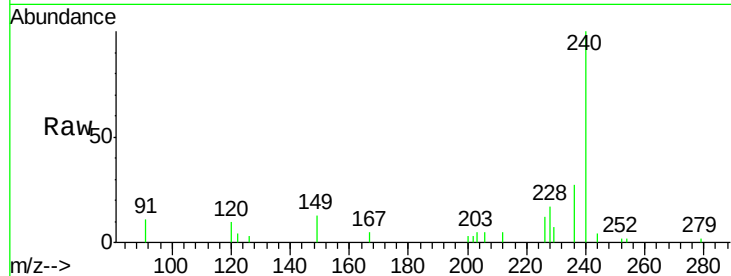
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW035-031919

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.2	10.8
236	26.6	20.9	31.3

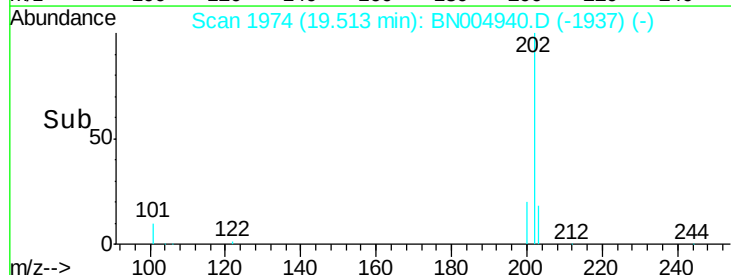
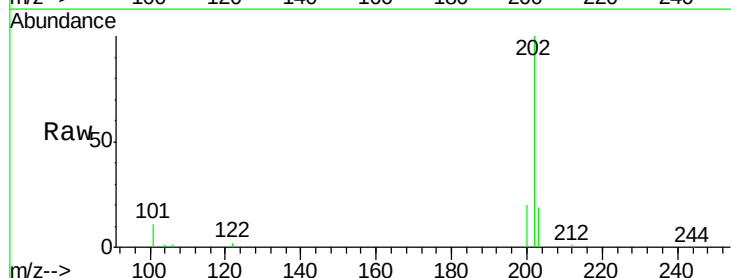
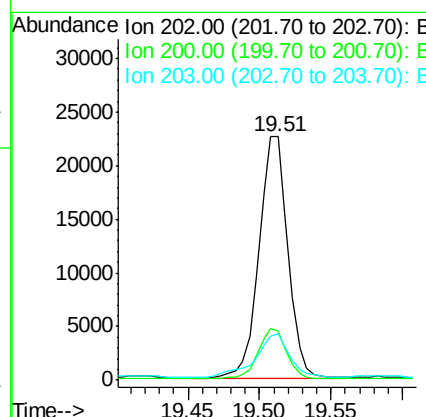
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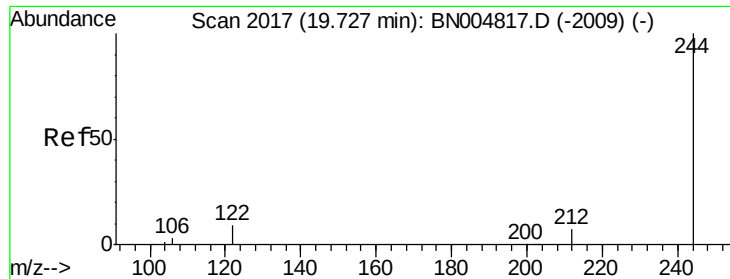
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#28
Pyrene
Concen: 0.601 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

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





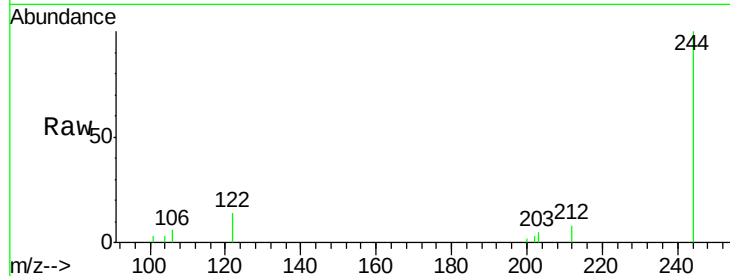
#29
 Terphenyl-d14
 Concen: 0.269 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BN004940.D
 Acq: 24 Mar 2019 15:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW035-031919

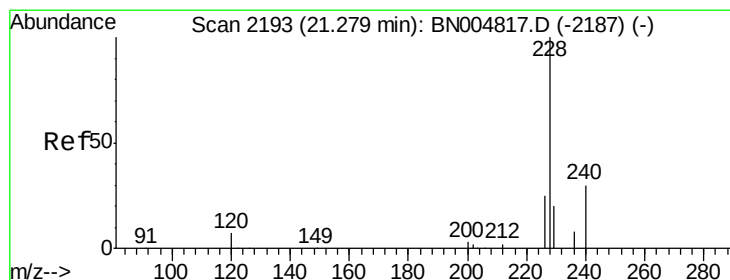
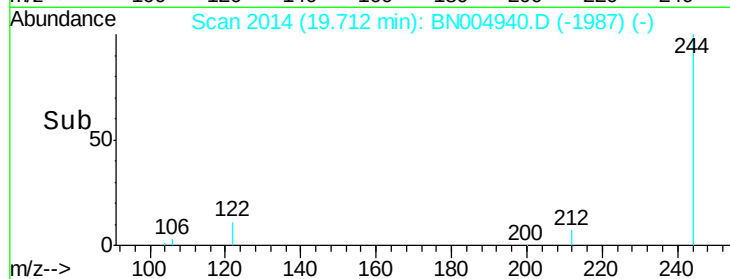
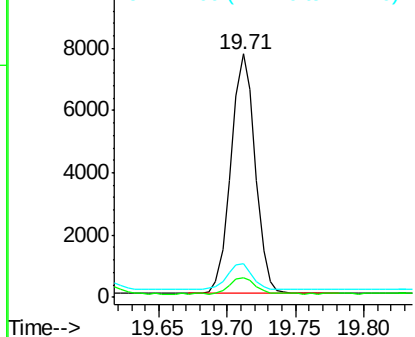
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.6
122	13.6	7.9	11.9

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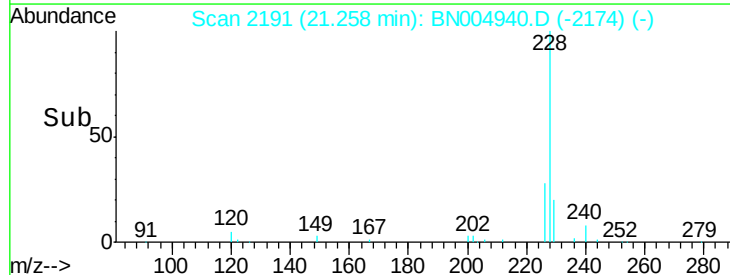
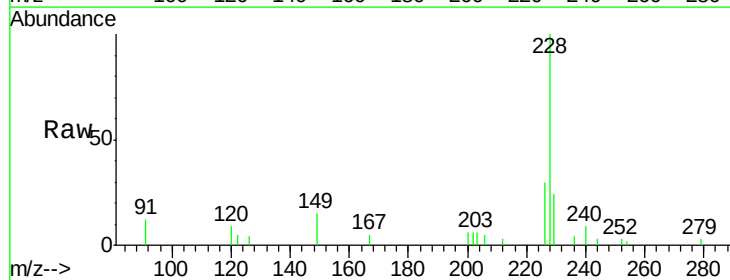
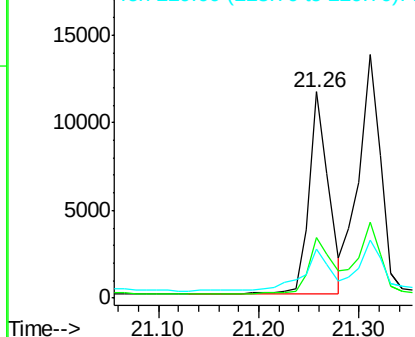
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

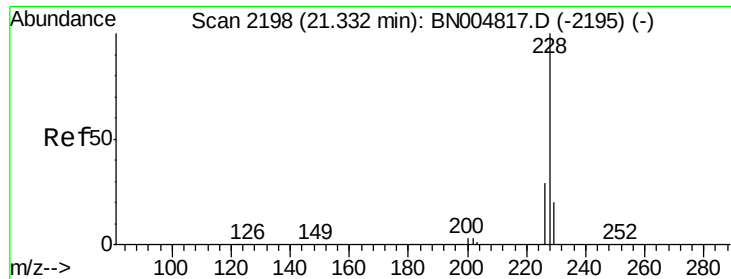


#30
 Benzo(a)anthracene
 Concen: 0.282 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BN004940.D
 Acq: 24 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	20.6	31.0
229	23.8	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





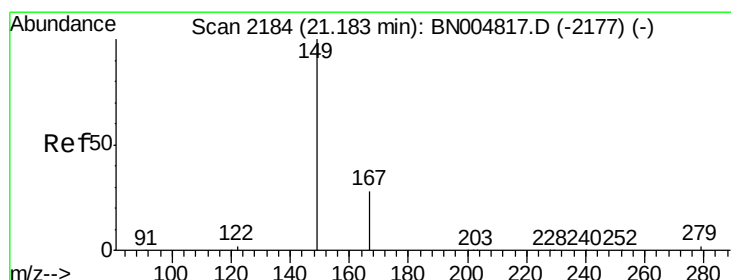
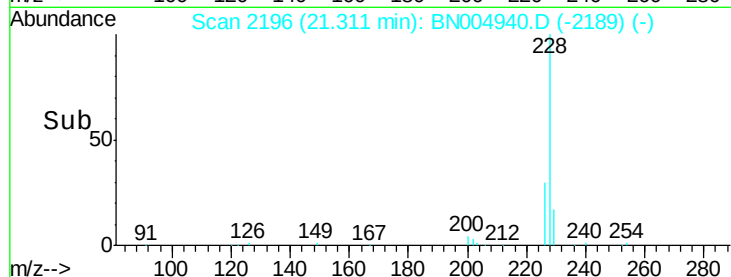
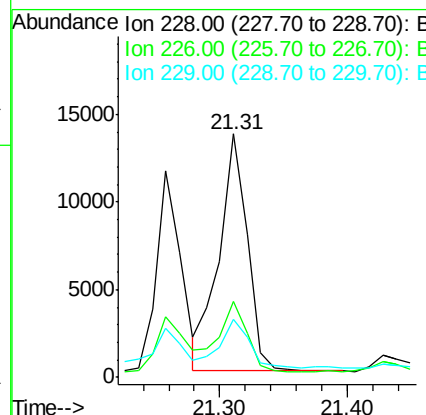
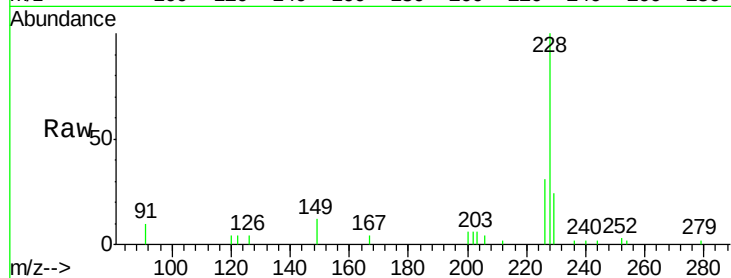
#31
Chrysene
 Concen: 0.347 ng
 RT: 21.31 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BN004940.D
 Acq: 24 Mar 2019 15:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW035-031919

Tgt Ion:	228	Resp:	20667
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.0	34.6
229	23.6	16.2	24.2

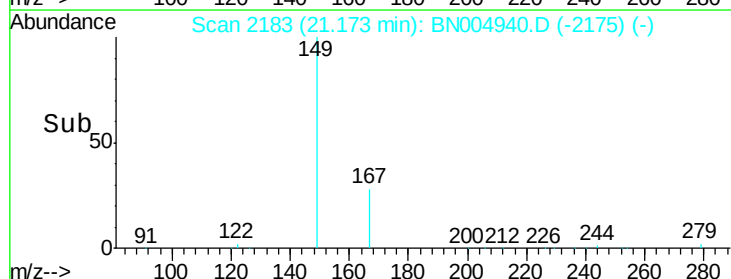
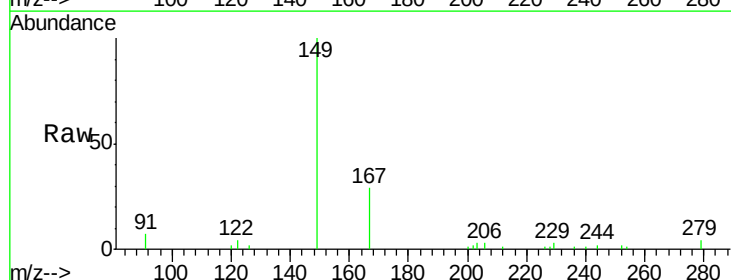
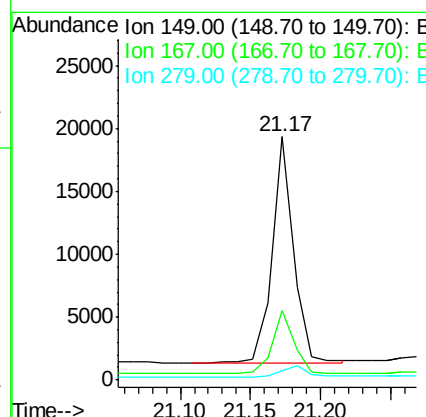
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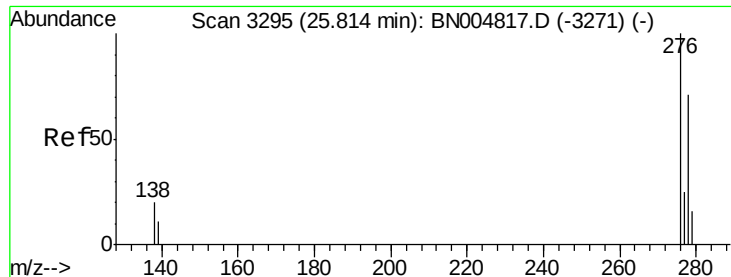
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#32
Bis(2-ethylhexyl)phthalate
 Concen: 0.844 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004940.D
 Acq: 24 Mar 2019 15:50

Tgt Ion:	149	Resp:	19053
Ion Ratio	Lower	Upper	
149	100		
167	28.3	23.0	34.4
279	5.2	4.6	6.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.180 ng

RT: 25.79 min Scan# 3287

Delta R.T. -0.03 min

Lab File: BN004940.D

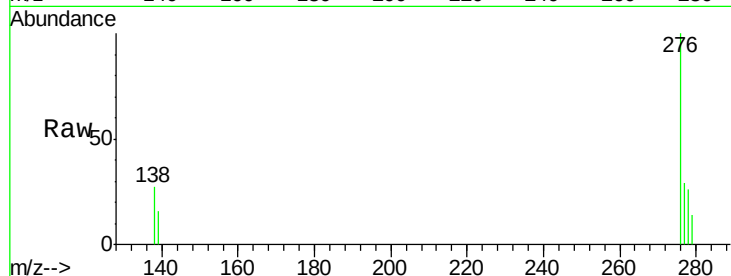
Acq: 24 Mar 2019 15:50

Instrument :

BNA_N

ClientSampleId :

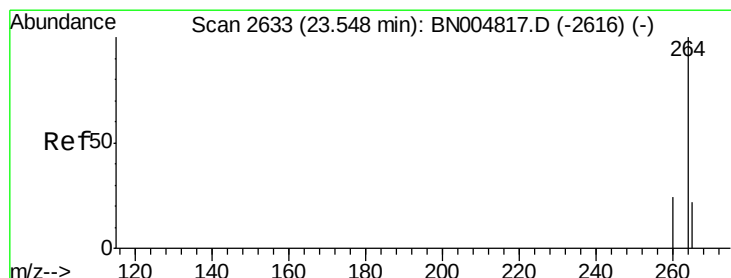
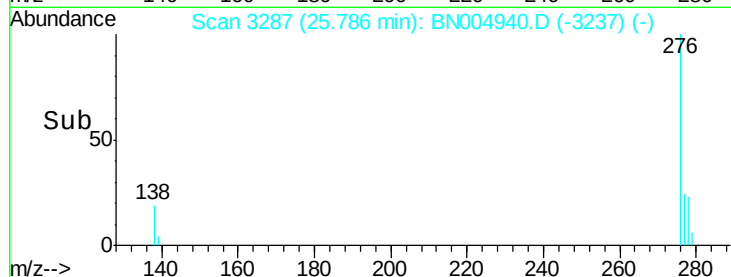
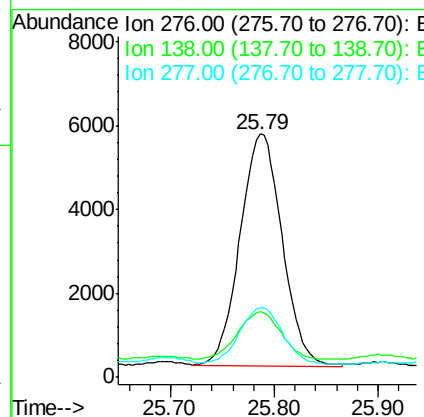
EXT-025-SW035-031919



Tgt Ion:	276	Resp:	15516
Ion Ratio	Lower	Upper	
276	100		
138	20.9	16.6	24.8
277	24.8	20.3	30.5

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#34

Perylene-d12

Concen: 0.400 ng

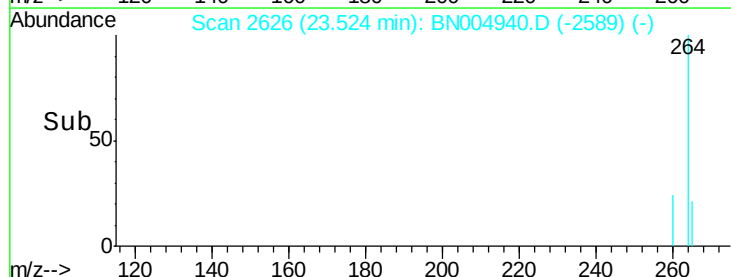
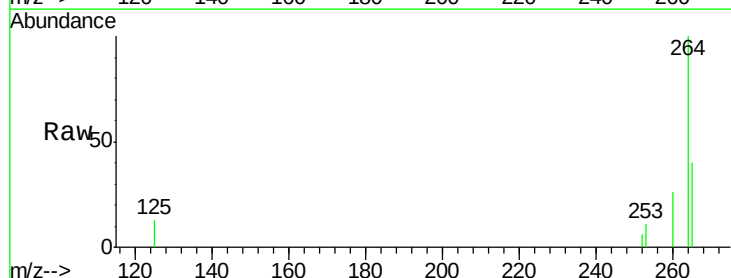
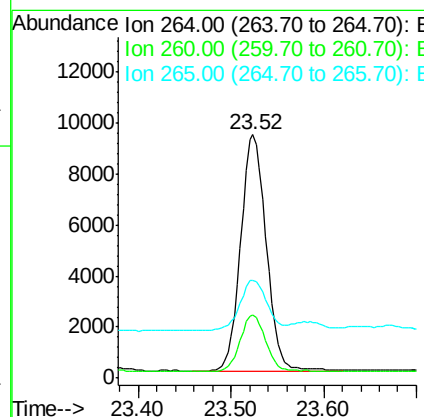
RT: 23.52 min Scan# 2626

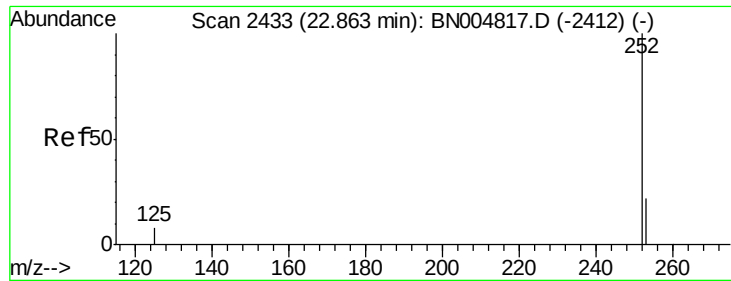
Delta R.T. -0.02 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Tgt Ion:	264	Resp:	17772
Ion Ratio	Lower	Upper	
264	100		
260	25.9	19.5	29.3
265	40.2	23.1	34.7#





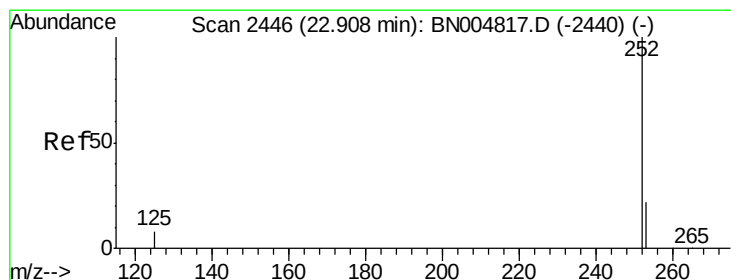
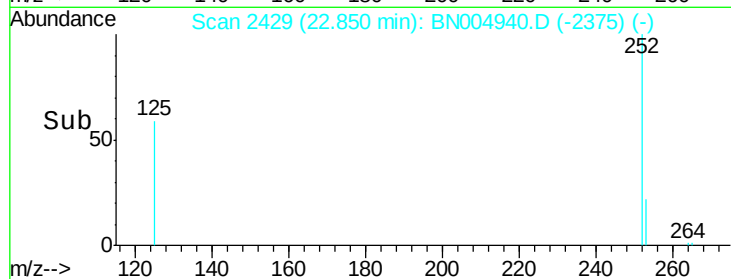
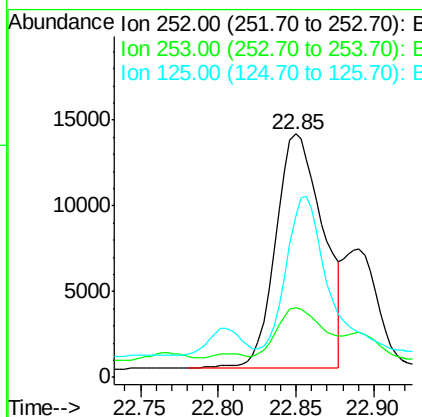
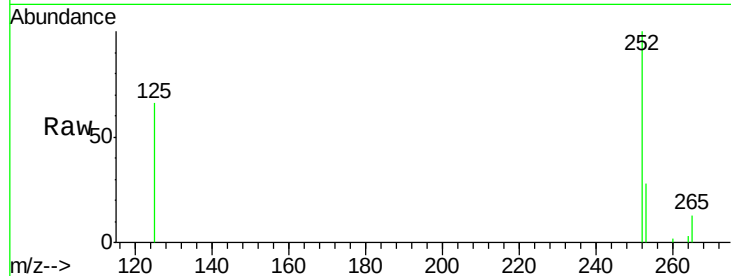
#35
Benzo(b)fluoranthene
Concen: 0.449 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW035-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	19.0	28.4
125	66.3	7.4	11.2#

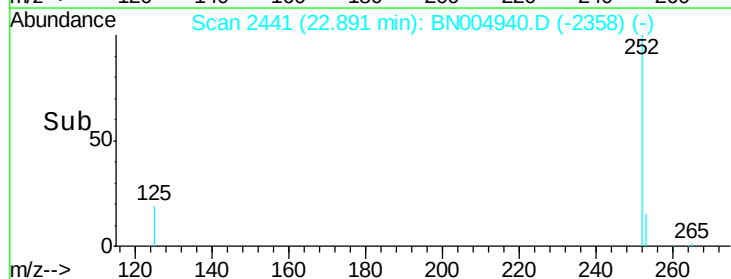
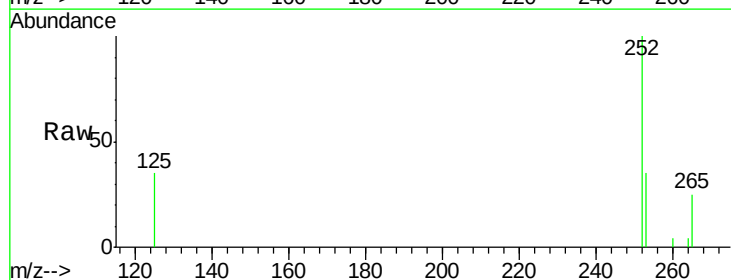
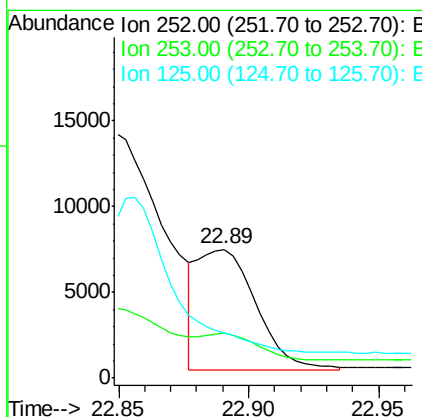
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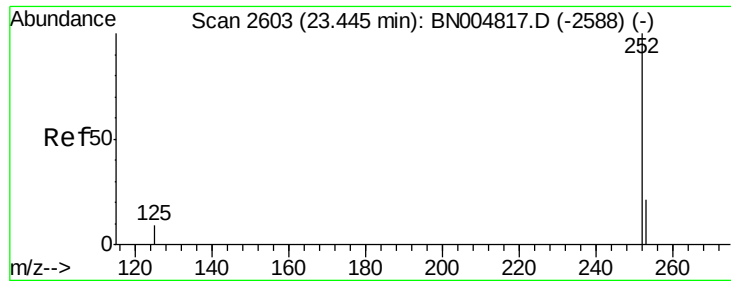
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#36
Benzo(k)fluoranthene
Concen: 0.173 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004940.D
Acq: 24 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.9	19.3	28.9#
125	35.1	7.4	11.0#





#37

Benzo(a)pyrene

Concen: 0.303 ng

RT: 23.42 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Instrument :

BNA_N

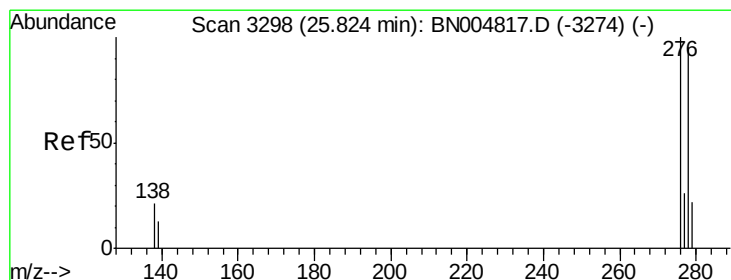
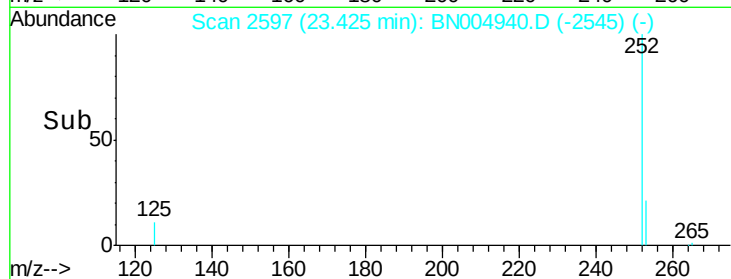
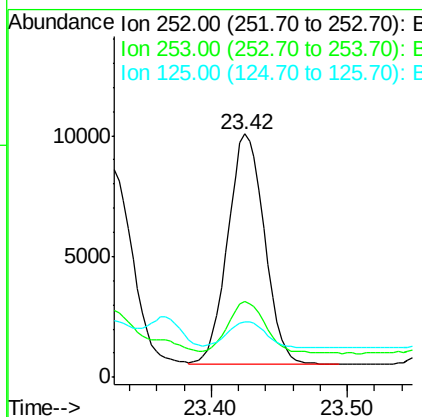
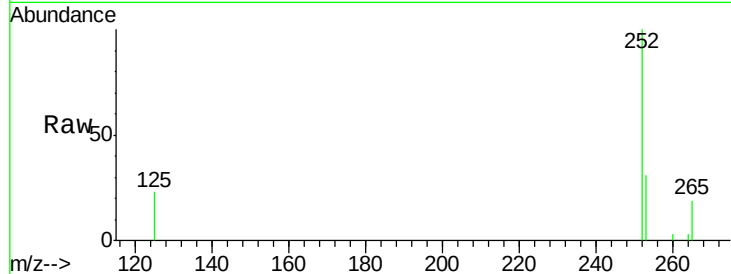
ClientSampleId :

EXT-025-SW035-031919

Tgt Ion:	252	Resp:	17861
Ion Ratio	Lower	Upper	
252	100		
253	31.4	19.7	29.5#
125	22.7	8.3	12.5#

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#38

Dibenzo(a,h)anthracene

Concen: 0.066 ng

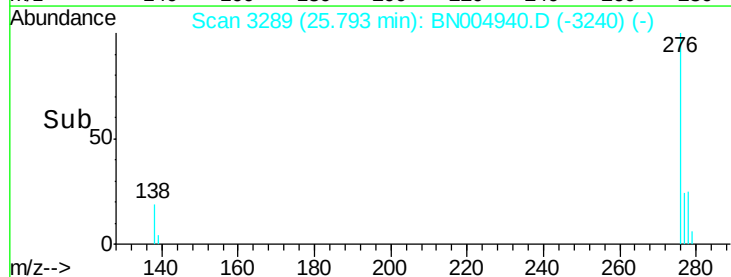
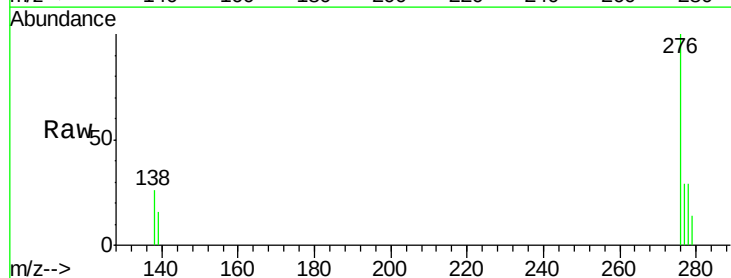
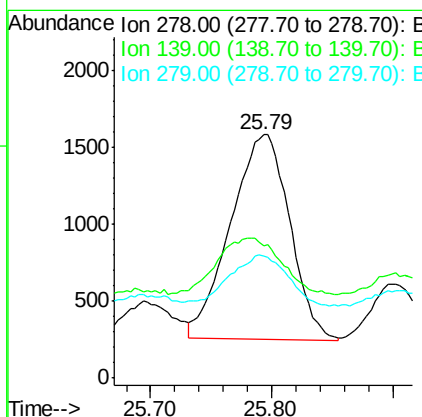
RT: 25.79 min Scan# 3289

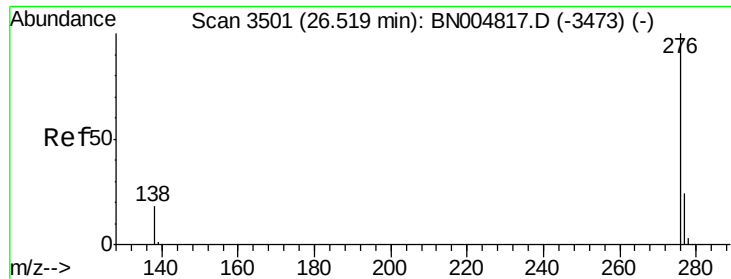
Delta R.T. -0.03 min

Lab File: BN004940.D

Acq: 24 Mar 2019 15:50

Tgt Ion:	278	Resp:	4491
Ion Ratio	Lower	Upper	
278	100		
139	54.6	11.7	17.5#
279	50.3	19.9	29.9#





#39

Benzo(g,h,i)perylene

Concen: 0.235 ng

RT: 26.48 min Scan# 3491

Delta R.T. -0.03 min

Lab File: BN004940.D

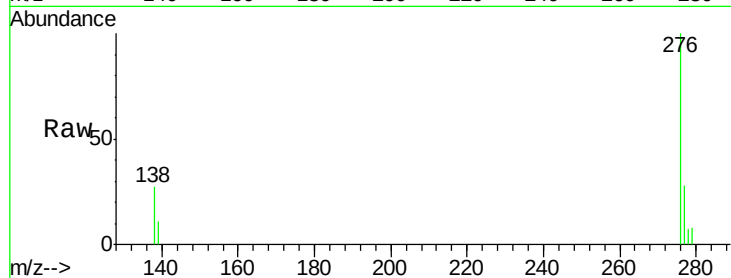
Acq: 24 Mar 2019 15:50

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW035-031919



Tgt	Ion	276	Resp:	16334
Ion	Ratio	Lower	Upper	
276	100			
277	28.3	19.7	29.5	
138	26.8	14.6	22.0	#

Manual Integrations
APPROVED

Sohil
3/26/2019 6:33:47 PM

