

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004945.D
 Acq On : 24 Mar 2019 18:47
 Operator : JU/SJ
 Sample : K2015-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW037-031919

Manual Integrations
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Quant Time: Mar 25 04:05:09 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	3291	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	13017	0.40	ng	-0.03
13) Acenaphthene-d10	14.33	164	6729	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	14708	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17450	0.40	ng	-0.01
34) Perylene-d12	23.53	264	18601	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3469	0.39	ng	0.00
5) Phenol-d6	6.86	99	4198	0.38	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3465	0.40	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7049	0.31	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1554	0.33	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	9077	0.33	ng	-0.02
25) Fluoranthene-d10	19.12	212	12826	0.26	ng	-0.02
29) Terphenyl-d14	19.71	244	8164	0.23	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	1246	0.034	ng	# 82
12) 2-Methylnaphthalene	12.14	142	657	0.024	ng	# 89
16) Acenaphthylene	14.05	152	5749	0.166	ng	99
17) Acenaphthene	14.39	154	786	0.035	ng	96
18) Fluorene	15.38	166	1665	0.053	ng	# 90
23) Phenanthrene	17.12	178	41836	0.881	ng	99
24) Anthracene	17.21	178	9738	0.230	ng	# 96
26) Fluoranthene	19.15	202	151013	2.474	ng	98
28) Pyrene	19.51	202	133682	2.513	ng	# 95
30) Benzo(a)anthracene	21.27	228	85179	1.488	ng	95
31) Chrysene	21.31	228	84122	1.396	ng	95
32) Bis(2-ethylhexyl)phthalate	21.17	149	20300	0.888	ng	100
33) Indeno(1,2,3-cd)pyrene	25.79	276	72957	0.837	ng	99
35) Benzo(b)fluoranthene	22.85	252	133877	1.990	ng	# 94
36) Benzo(k)fluoranthene	22.89	252	44693m	0.675	ng	
37) Benzo(a)pyrene	23.43	252	86947	1.409	ng	# 97
38) Dibenzo(a,h)anthracene	25.80	278	18653	0.261	ng	# 67
39) Benzo(g,h,i)perylene	26.49	276	72487	0.995	ng	# 95

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

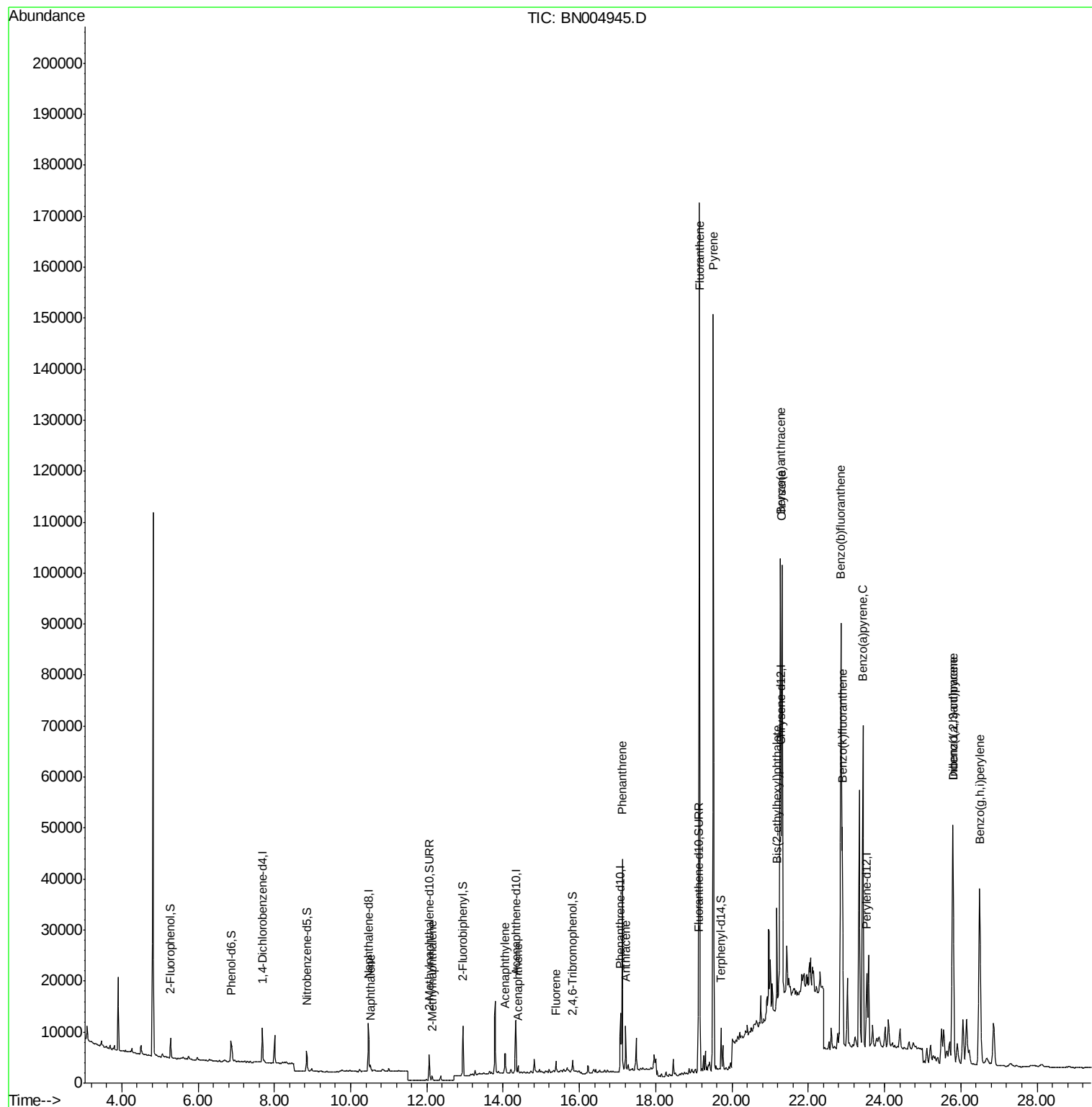
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
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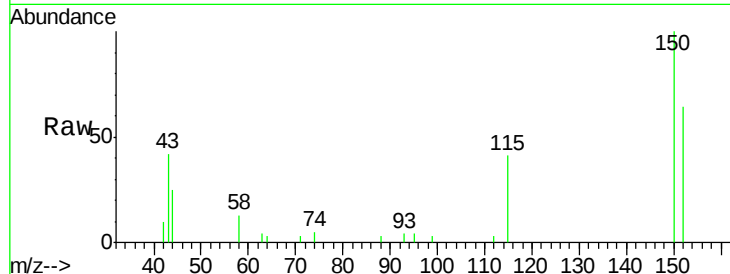




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

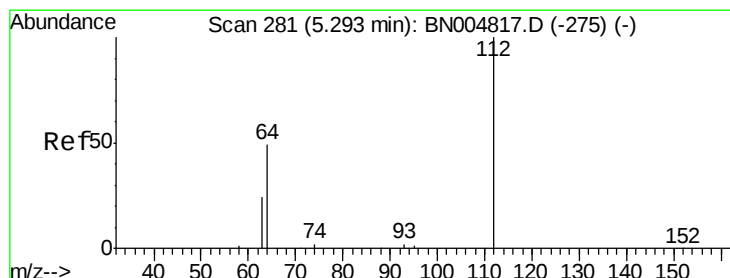
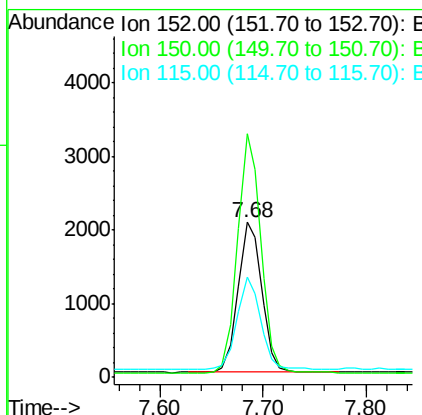
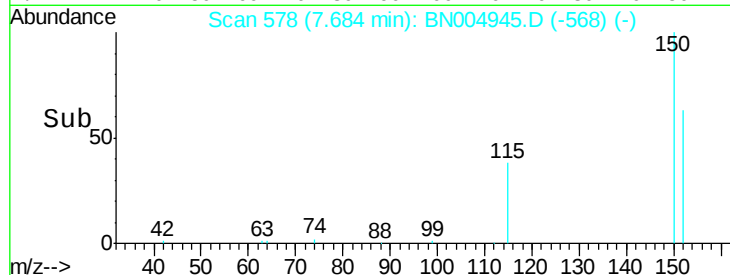
Instrument :
BNA_N
ClientSampleId :
EXT-025-SW037-031919



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.2	189.4
115	64.7	52.6	79.0

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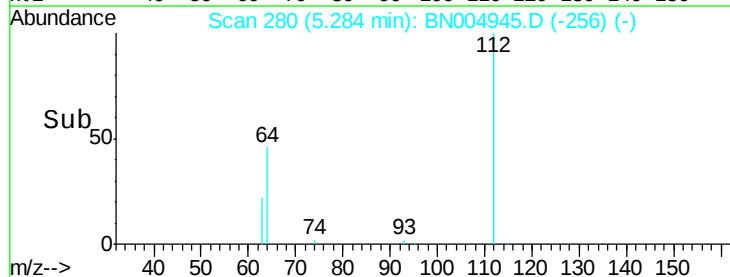
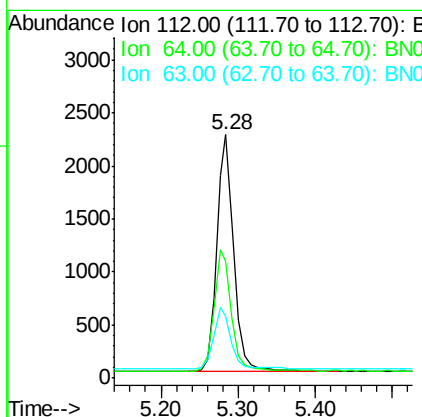
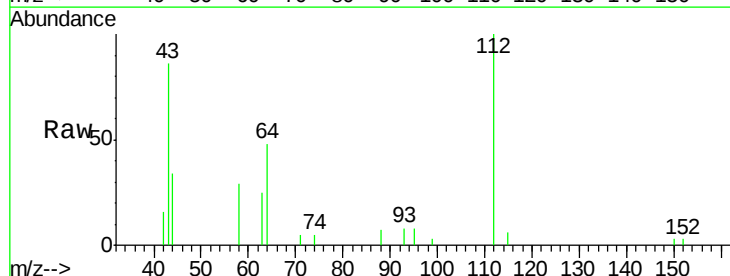
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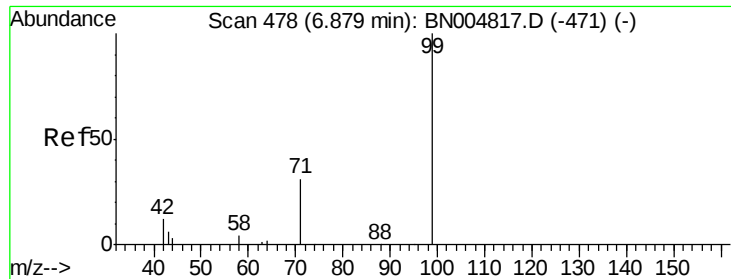


#4

2-Fluorophenol
Concen: 0.388 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	40.0	60.0
63	26.5	20.2	30.2





#5

Phenol-d6

Concen: 0.377 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Instrument :

BNA_N

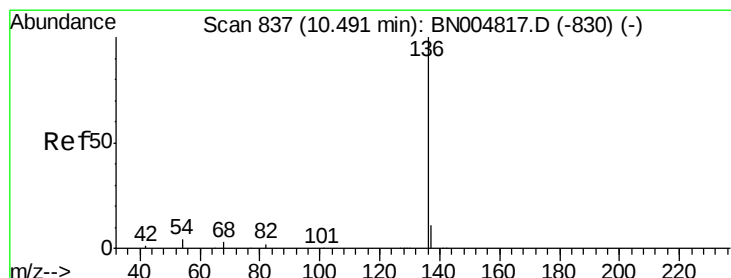
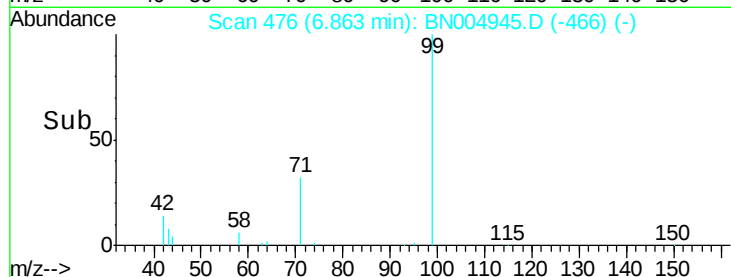
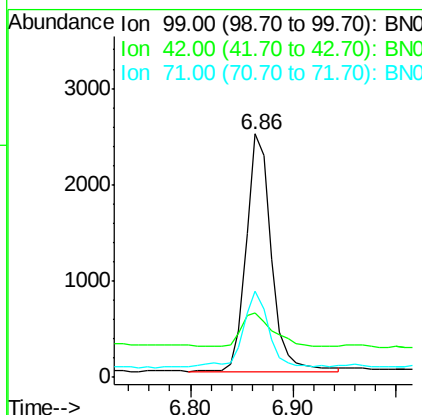
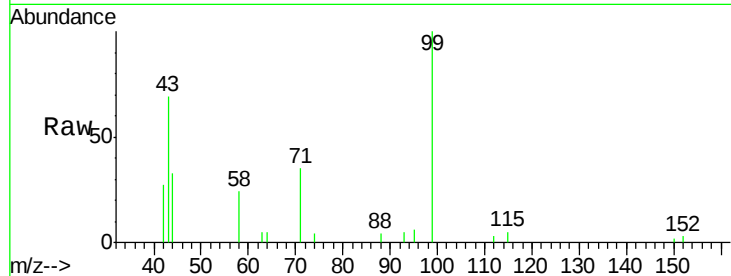
ClientSampleId :

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Tgt Ion:	99	Resp:	4198
Ion	Ratio	Lower	Upper
99	100		
42	17.6	12.7	19.1
71	32.3	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

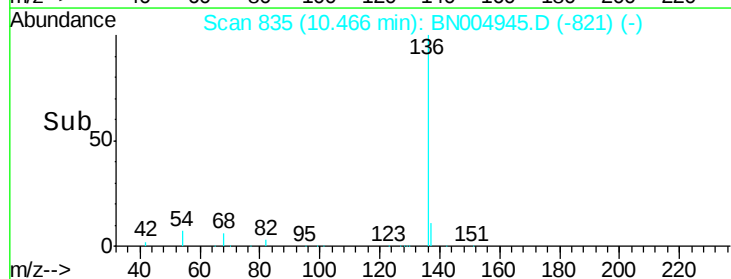
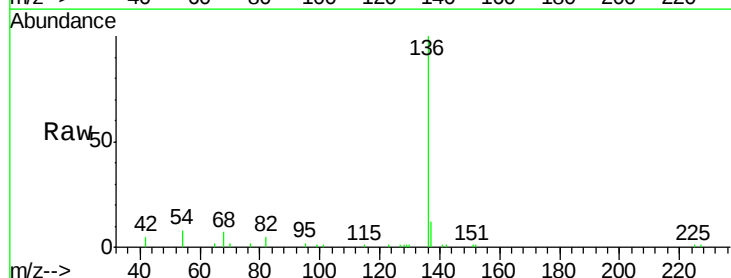
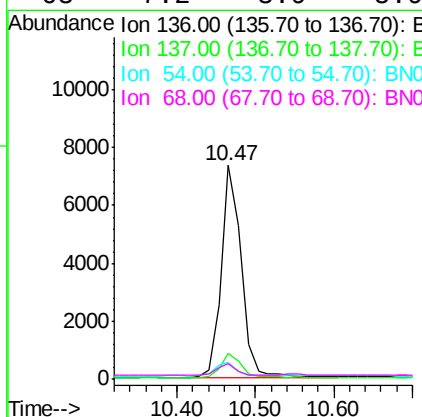
RT: 10.47 min Scan# 835

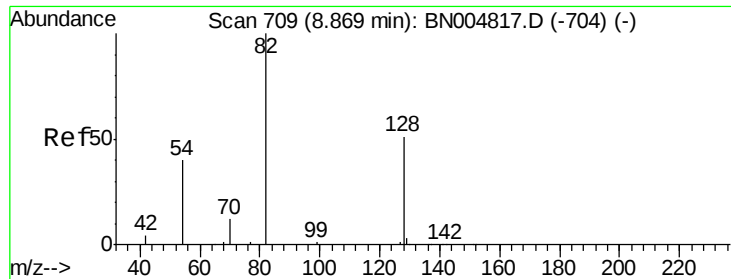
Delta R.T. -0.03 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Tgt Ion:	136	Resp:	13017
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	7.9	4.2	6.2#
68	7.2	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.402 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Instrument :

BNA_N

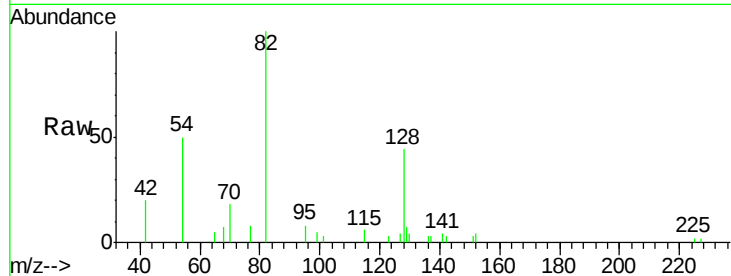
ClientSampleId :

EXT-025-SW037-031919

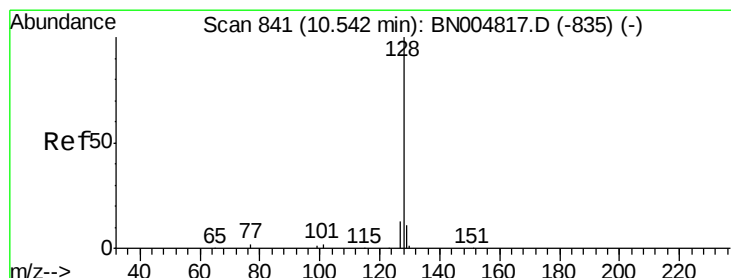
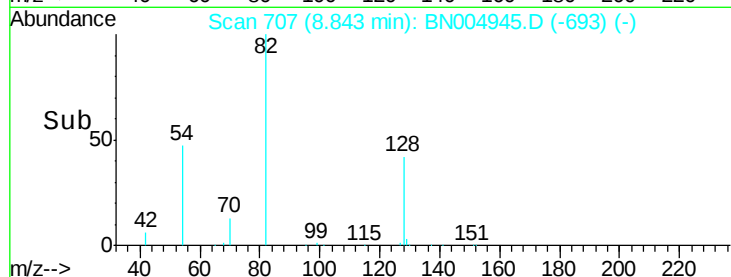
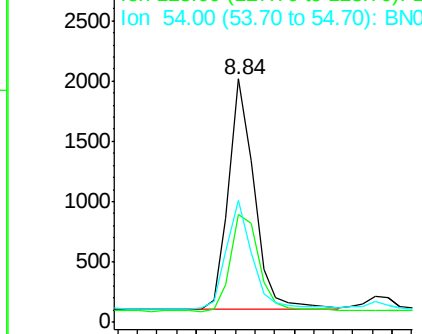
Tgt Ion:	82	Resp:	3465
Ion Ratio	Lower	Upper	
82	100		
128	44.2	43.0	64.6
54	50.0	35.3	52.9

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



#9

Naphthalene

Concen: 0.034 ng

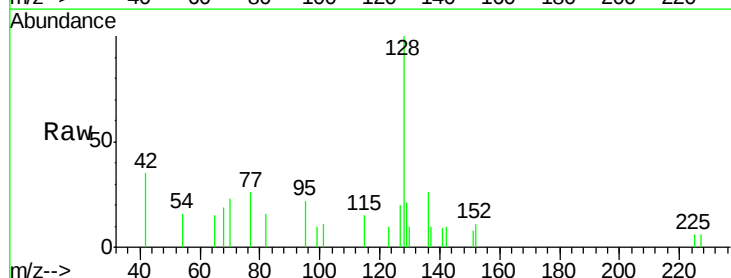
RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

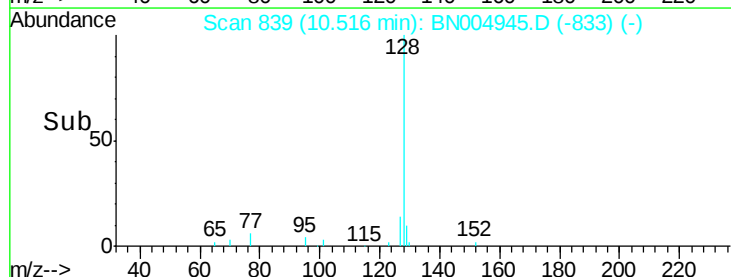
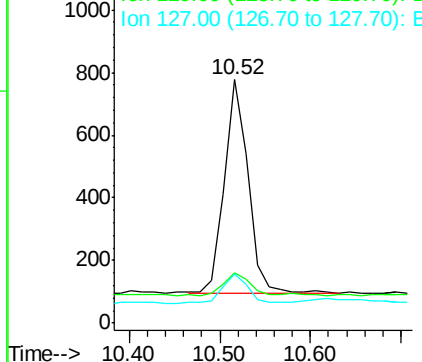
Lab File: BN004945.D

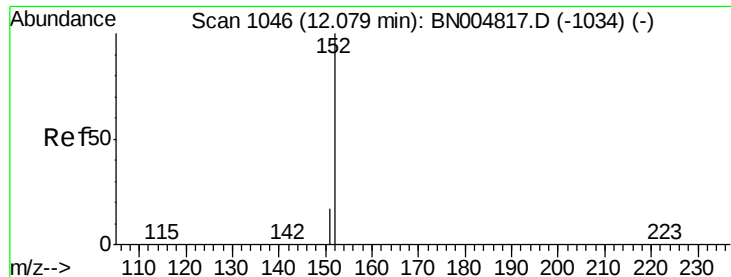
Acq: 24 Mar 2019 18:47

Tgt Ion:	128	Resp:	1246
Ion Ratio	Lower	Upper	
128	100		
129	20.8	9.9	14.9#
127	20.1	11.3	16.9#



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





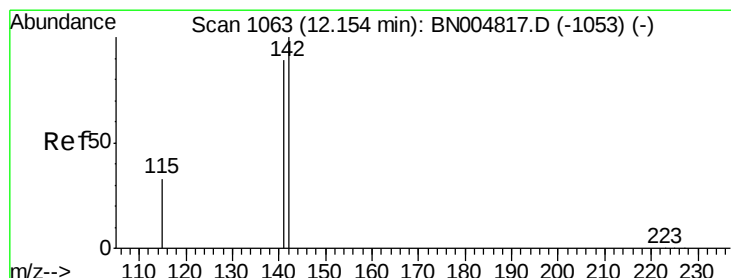
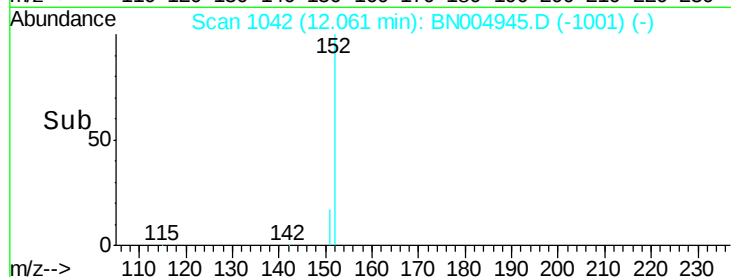
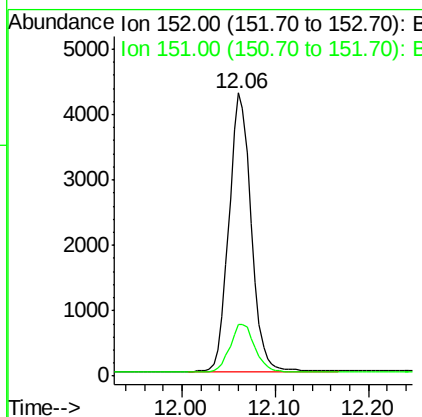
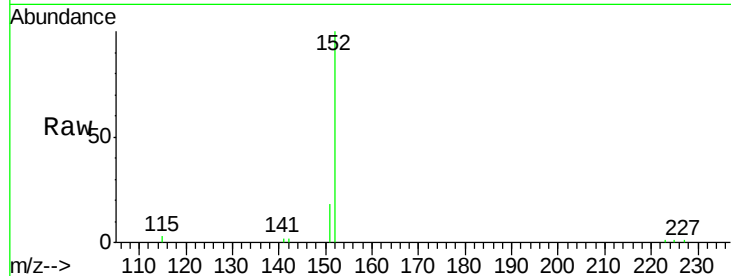
#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 12.06 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW037-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3

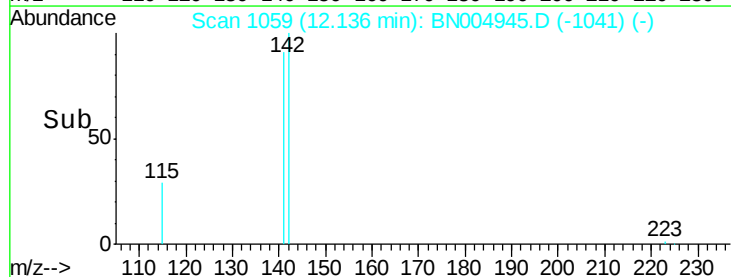
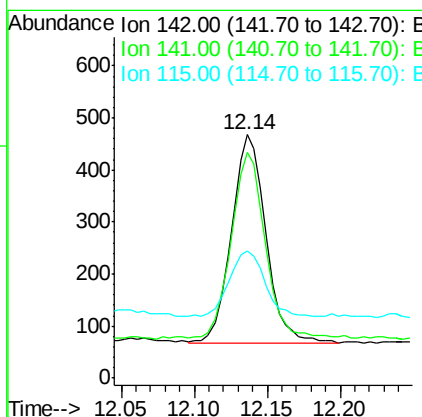
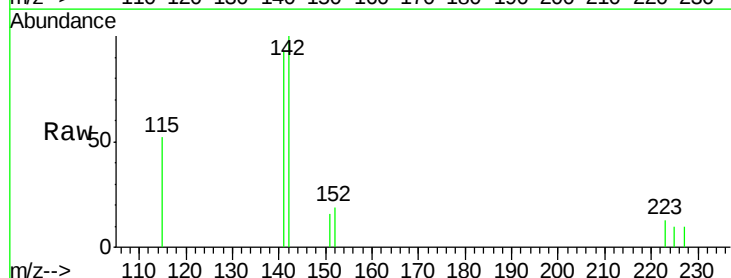
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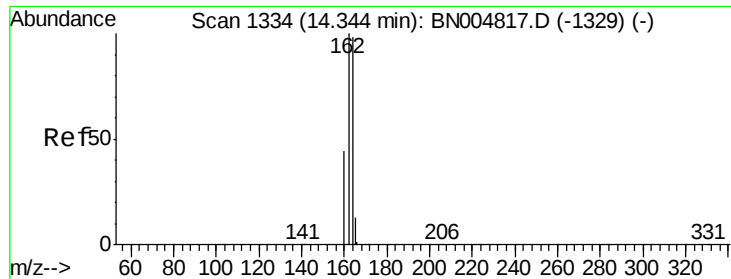
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#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 12.14 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	71.4	107.2
115	52.1	27.5	41.3





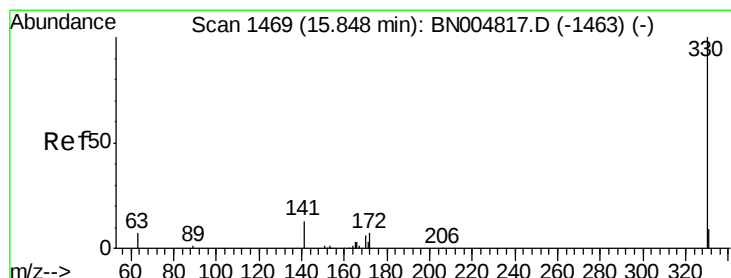
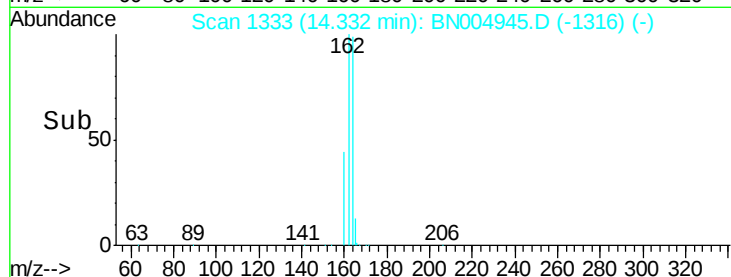
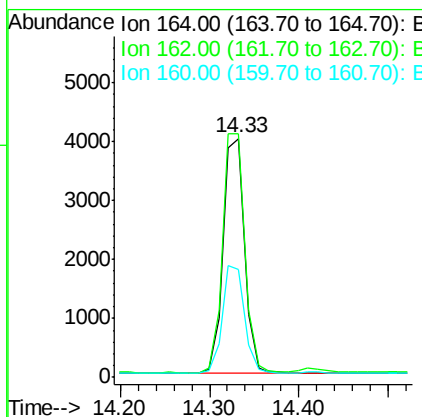
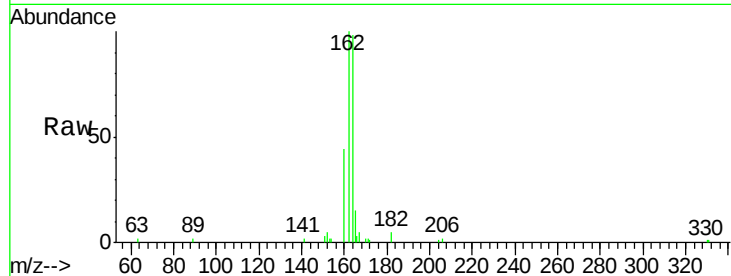
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.33 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BN004945.D
 Acq: 24 Mar 2019 18:47

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW037-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.9	122.9
160	45.1	36.6	54.8

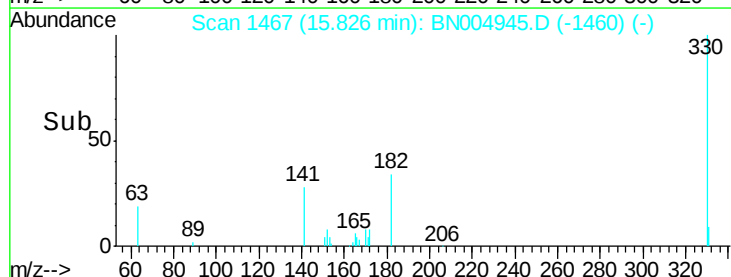
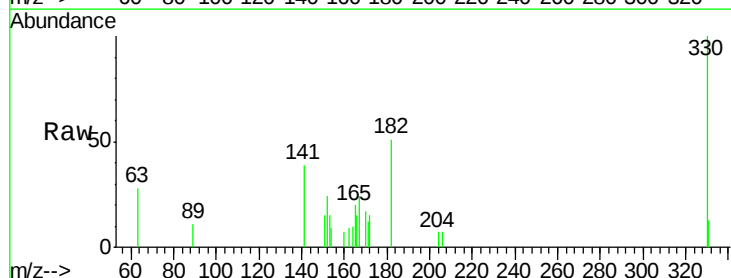
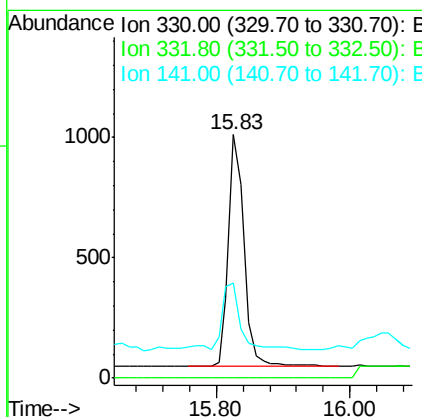
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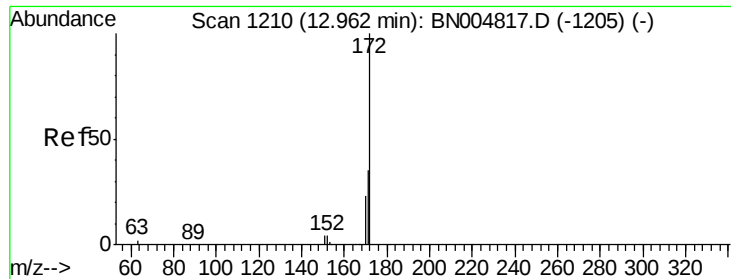
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#14
 2,4,6-Tribromophenol
 Concen: 0.334 ng
 RT: 15.83 min Scan# 1467
 Delta R.T. -0.02 min
 Lab File: BN004945.D
 Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.2	20.9	31.3





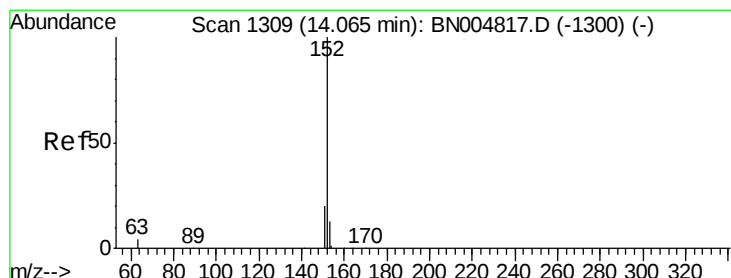
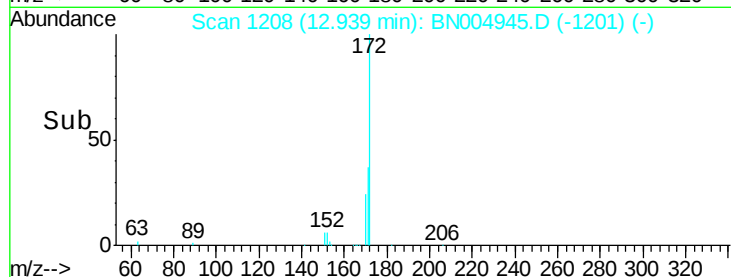
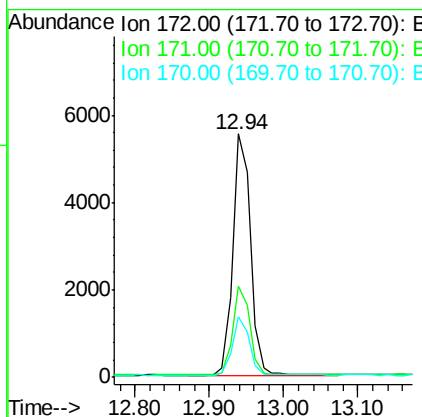
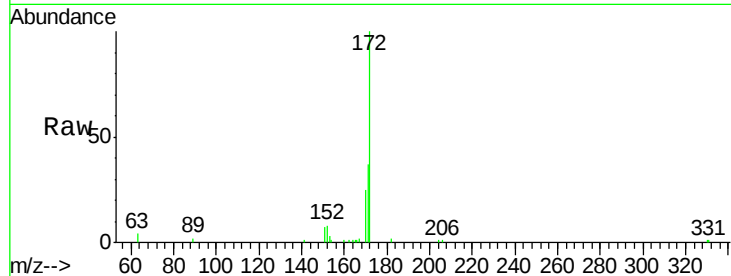
#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Instrument :
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ClientSampleId :
EXT-025-SW037-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.7	43.1
170	25.1	18.7	28.1

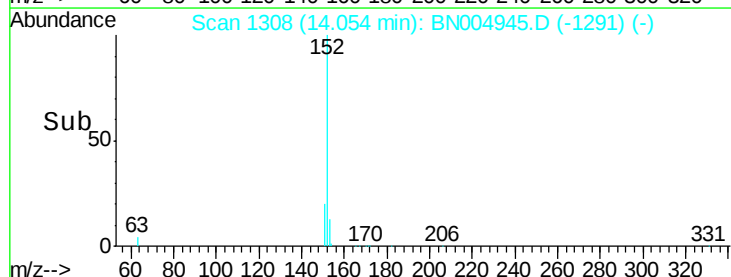
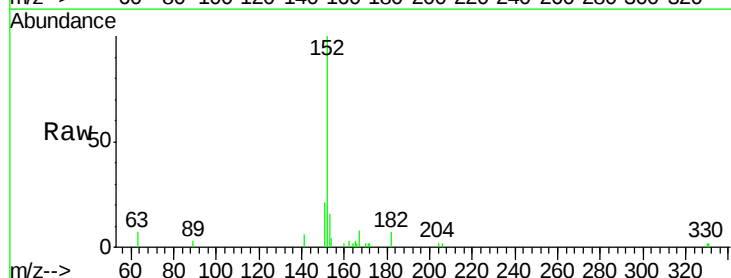
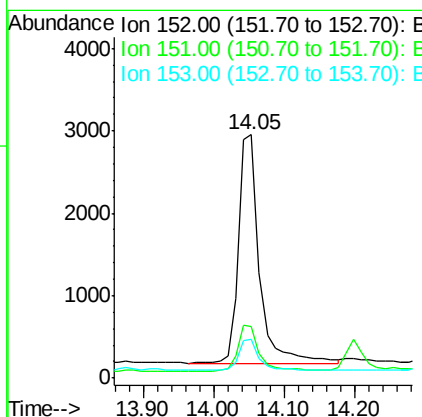
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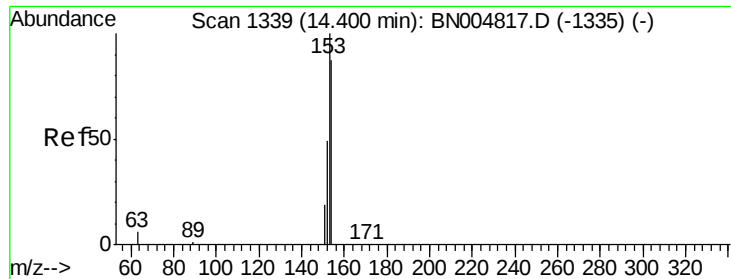
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#16
Acenaphthylene
Concen: 0.166 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.1	24.1
153	13.2	10.5	15.7





#17

Acenaphthene

Concen: 0.035 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Instrument :

BNA_N

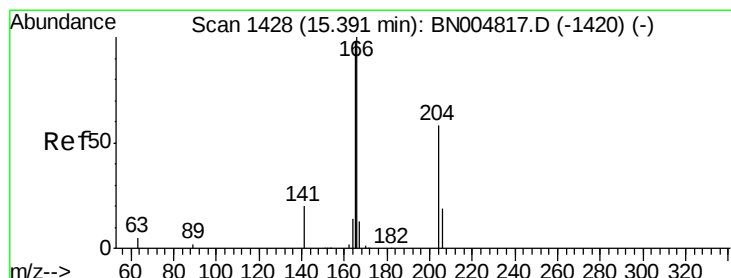
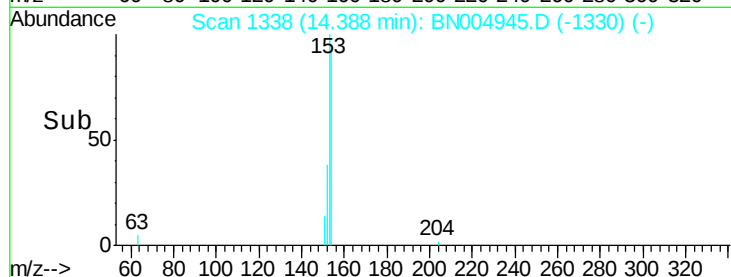
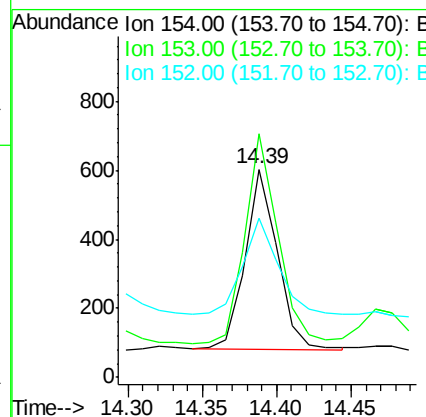
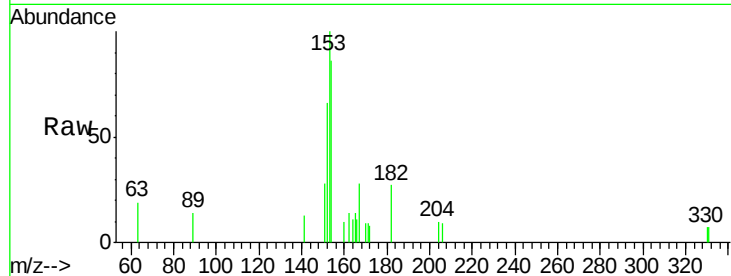
ClientSampleId :

EXT-025-SW037-031919

Tgt Ion:	154	Resp:	786
Ion Ratio	Lower	Upper	
154	100		
153	118.1	91.4	137.2
152	58.4	44.2	66.2

Manual Integrations
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#18

Fluorene

Concen: 0.053 ng

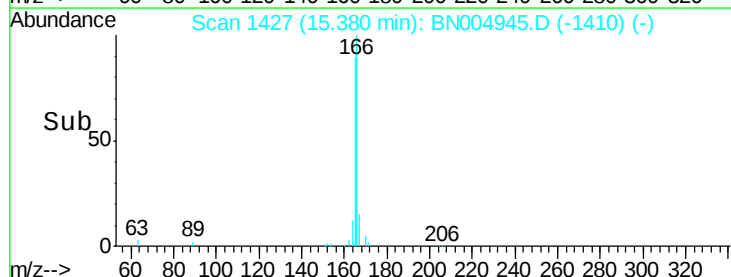
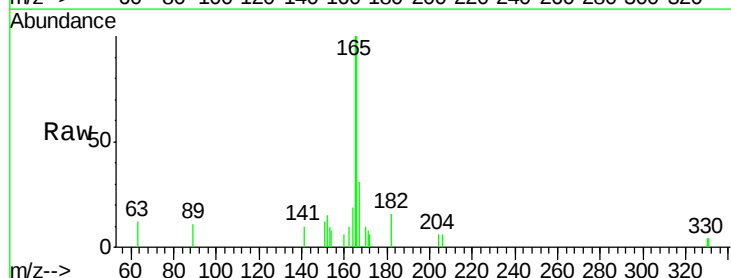
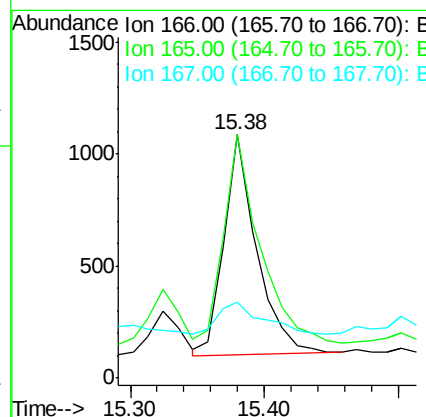
RT: 15.38 min Scan# 1427

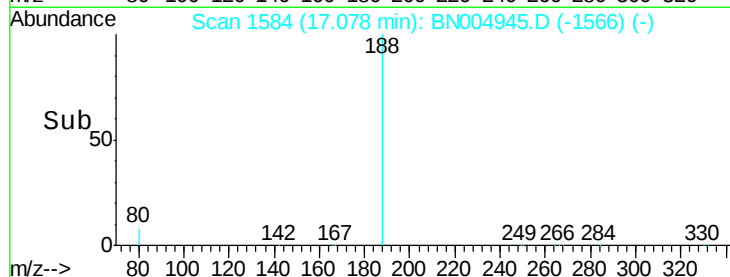
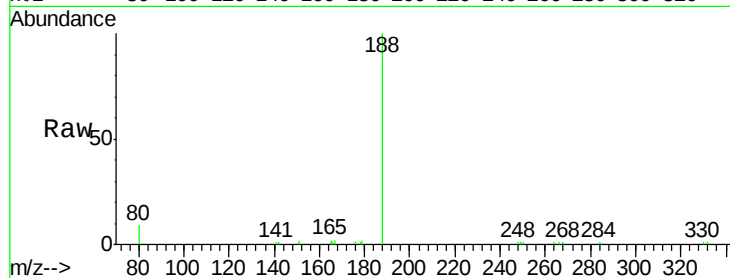
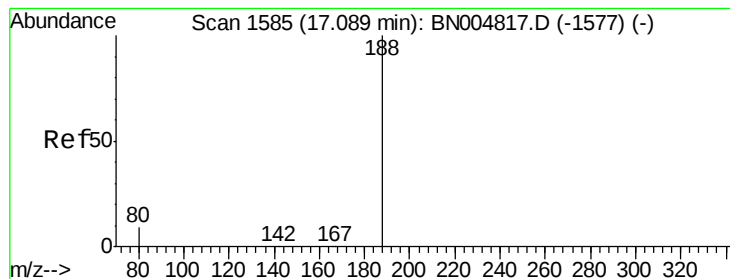
Delta R.T. -0.01 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Tgt Ion:	166	Resp:	1665
Ion Ratio	Lower	Upper	
166	100		
165	106.9	78.2	117.4
167	19.9	11.0	16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Tgt Ion:	188	Resp:	14708
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.3	7.4	11.2

Instrument :

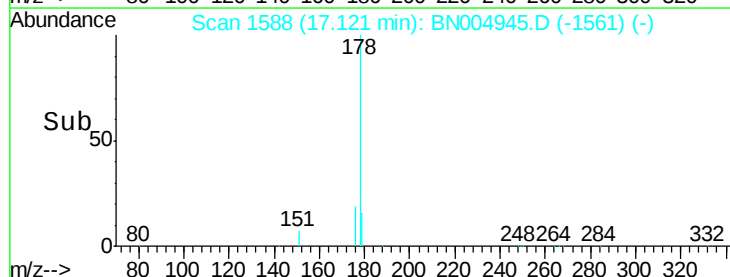
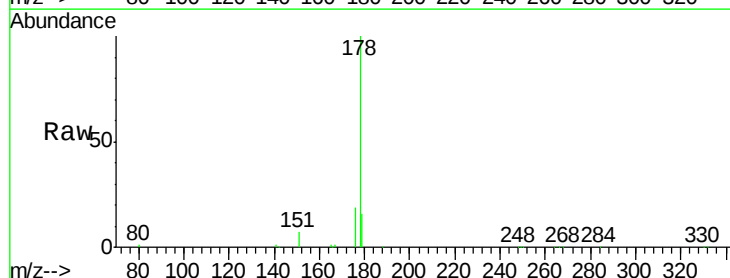
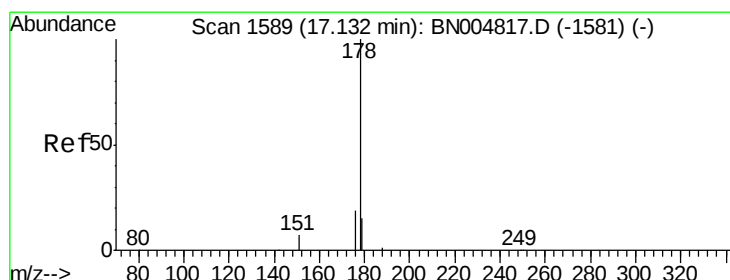
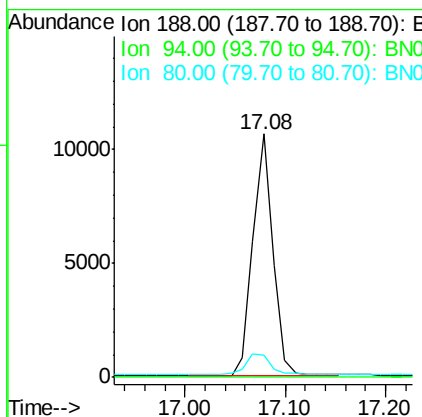
BNA_N

ClientSampleId :

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#23

Phenanthrene

Concen: 0.881 ng

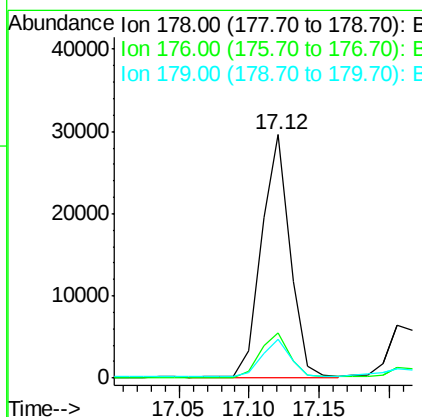
RT: 17.12 min Scan# 1588

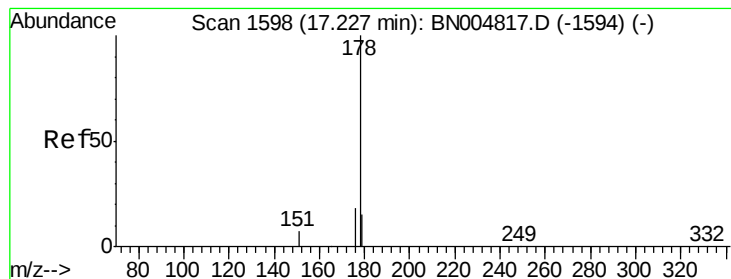
Delta R.T. -0.01 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Tgt Ion:	178	Resp:	41836
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.9	22.3
179	15.7	12.1	18.1





#24

Anthracene

Concen: 0.230 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Instrument :

BNA_N

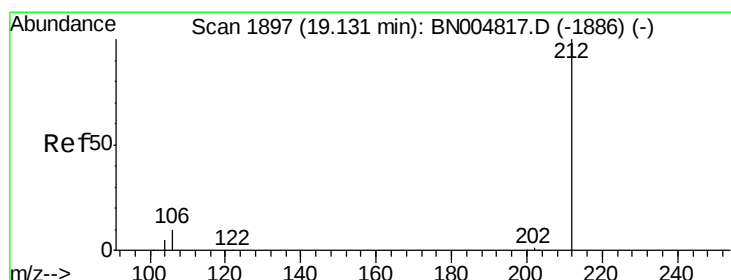
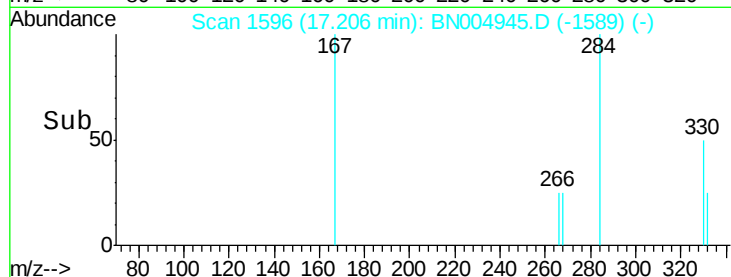
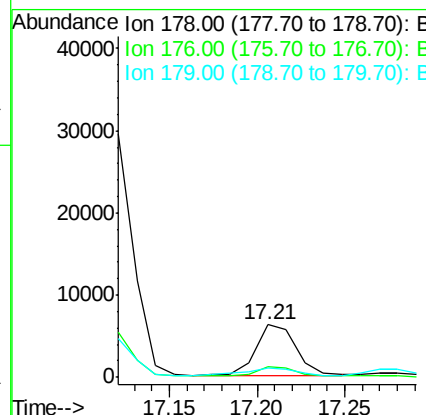
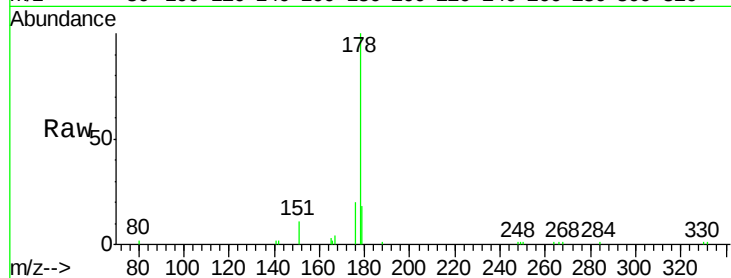
ClientSampleId :

EXT-025-SW037-031919

Tgt Ion:	178	Resp:	9738
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.5	21.7
179	18.6	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.260 ng

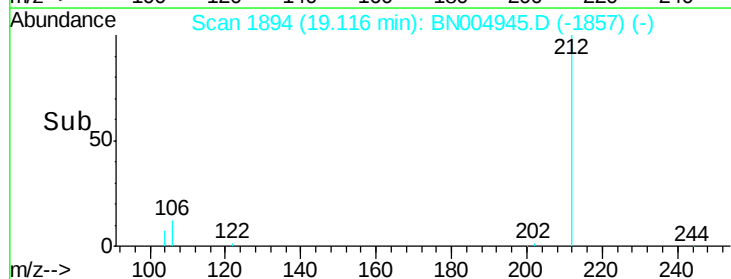
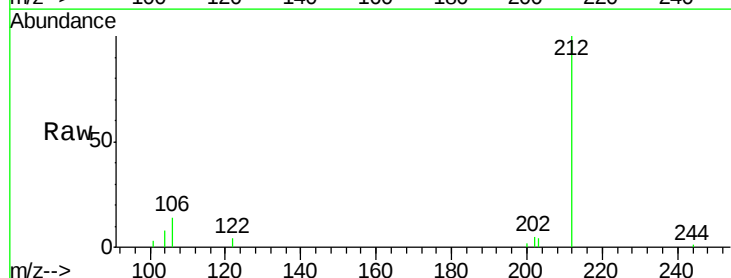
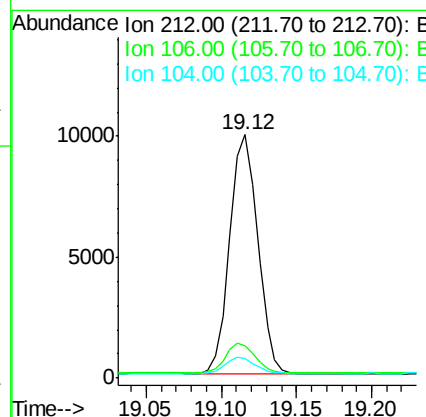
RT: 19.12 min Scan# 1894

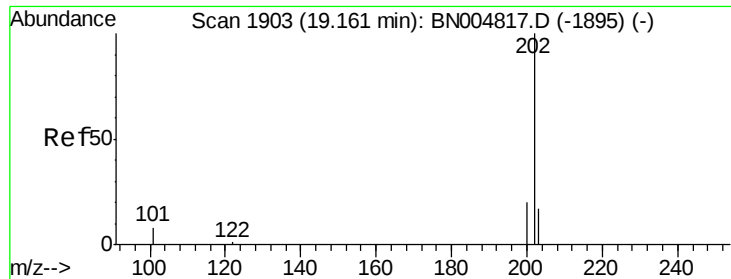
Delta R.T. -0.02 min

Lab File: BN004945.D

Acq: 24 Mar 2019 18:47

Tgt Ion:	212	Resp:	12826
Ion Ratio	Lower	Upper	
212	100		
106	13.2	8.6	13.0
104	7.5	4.7	7.1





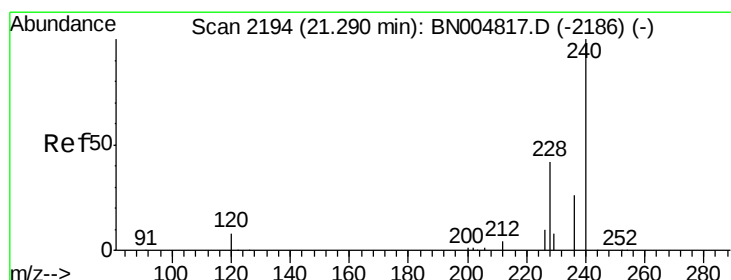
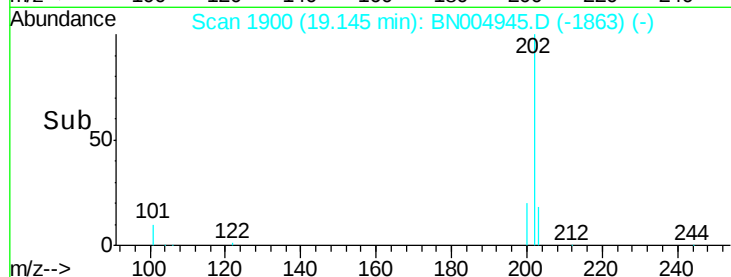
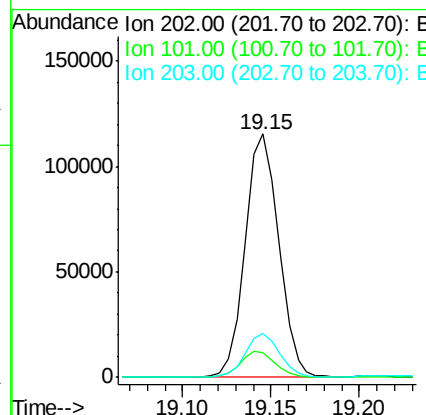
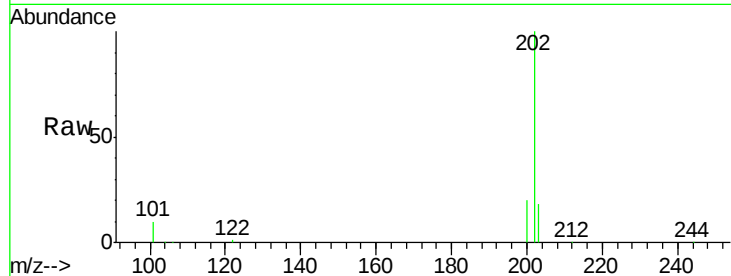
#26
Fluoranthene
Concen: 2.474 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW037-031919

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	7.5	11.3
203	17.5	13.8	20.6

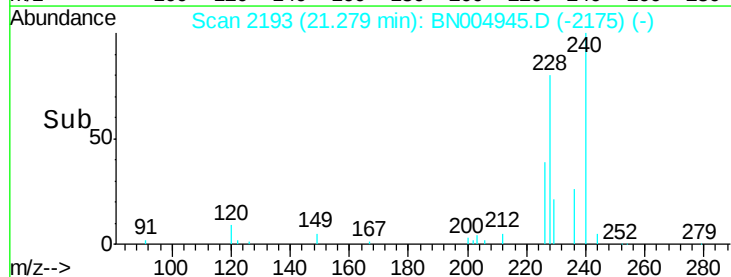
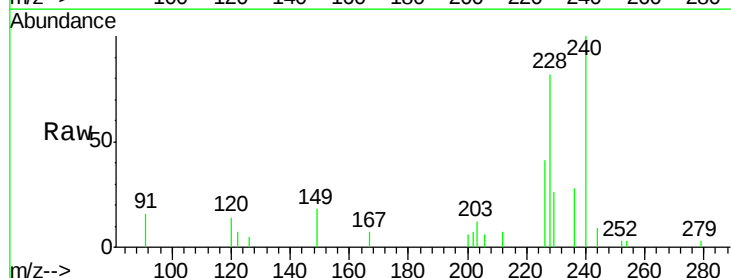
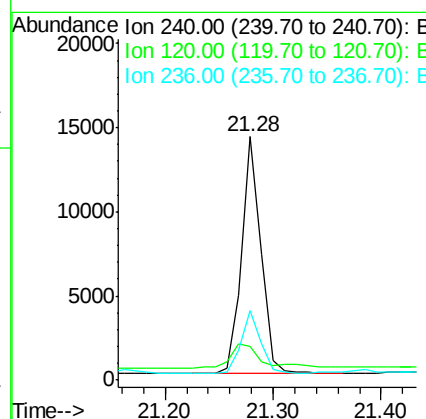
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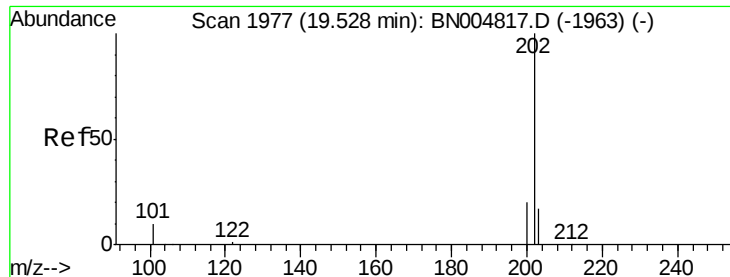
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.9	7.2	10.8#
236	28.4	20.9	31.3





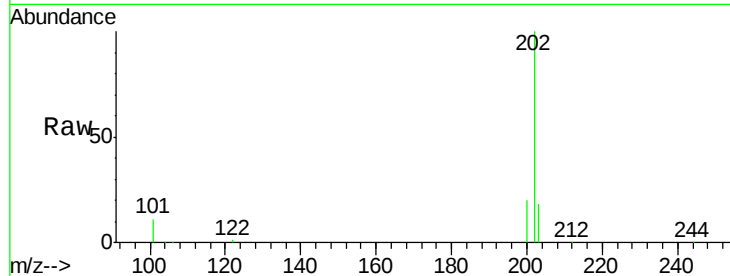
#28
 Pyrene
 Concen: 2.513 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.02 min
 Lab File: BN004945.D
 Acq: 24 Mar 2019 18:47

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW037-031919

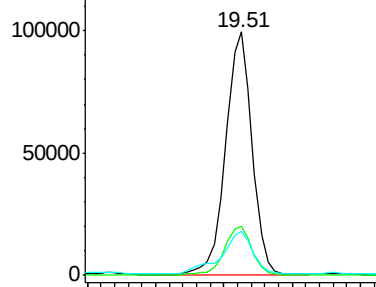
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	16.3	24.5
203	21.7	14.0	21.0

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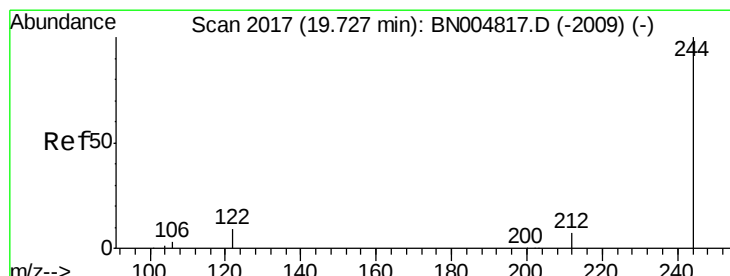
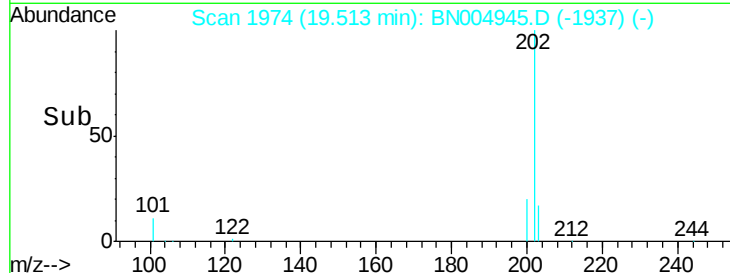
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Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E



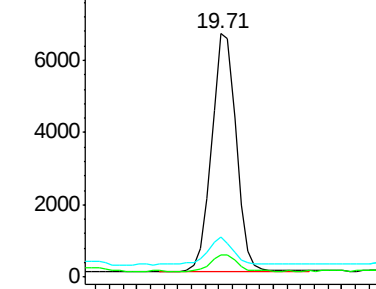
Time--> 19.40 19.45 19.50 19.55



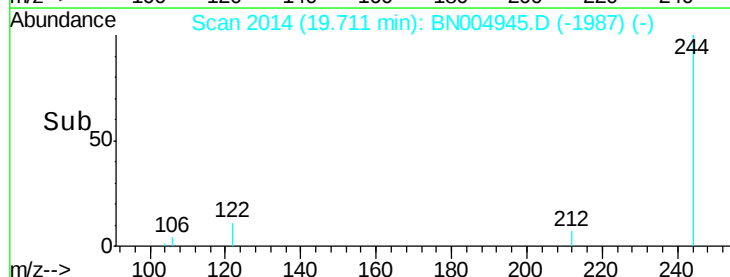
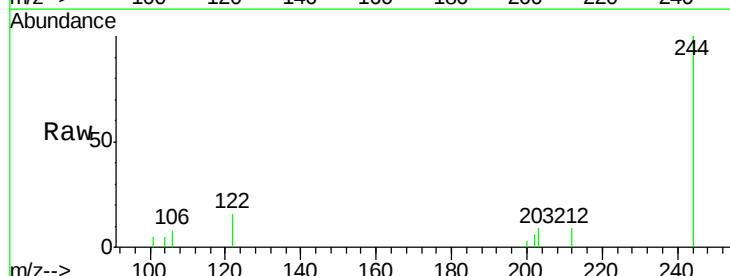
#29
 Terphenyl-d14
 Concen: 0.229 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BN004945.D
 Acq: 24 Mar 2019 18:47

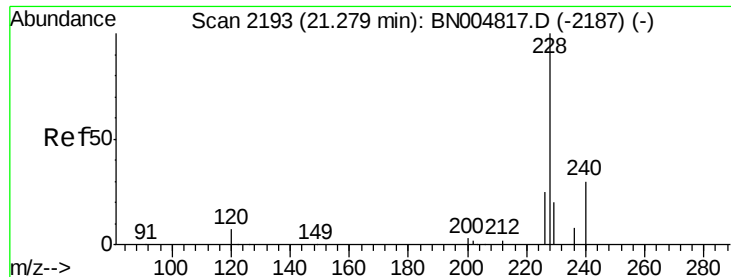
Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.2	5.8	8.6
122	16.4	7.9	11.9

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



Time--> 19.65 19.70 19.75 19.80





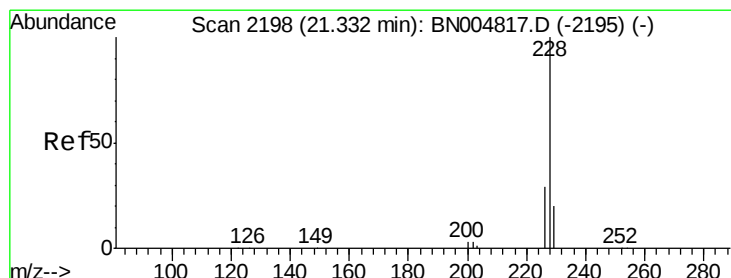
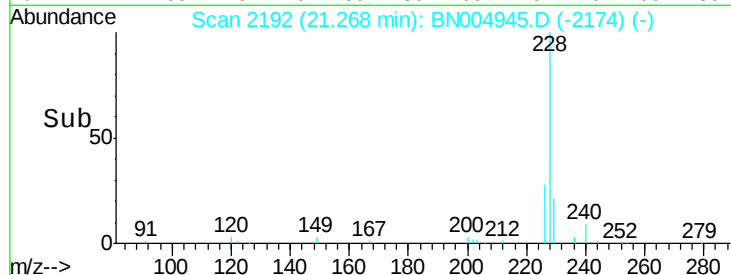
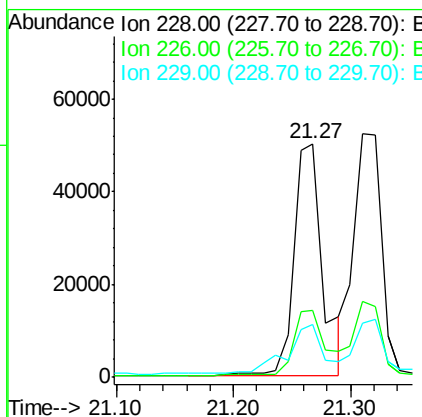
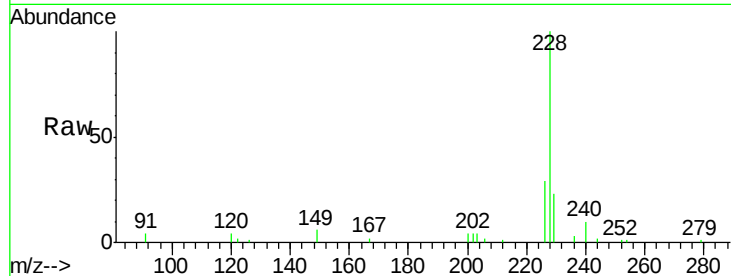
#30
Benzo(a)anthracene
Concen: 1.488 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW037-031919

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	20.6	31.0
229	22.5	16.2	24.4

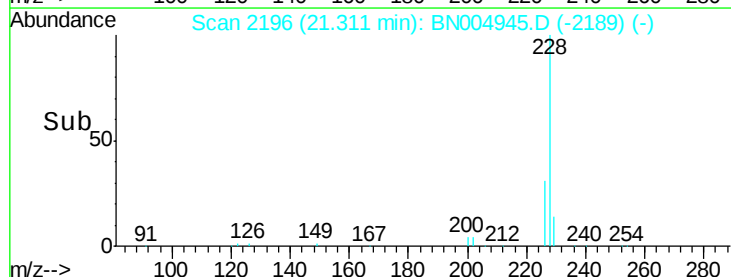
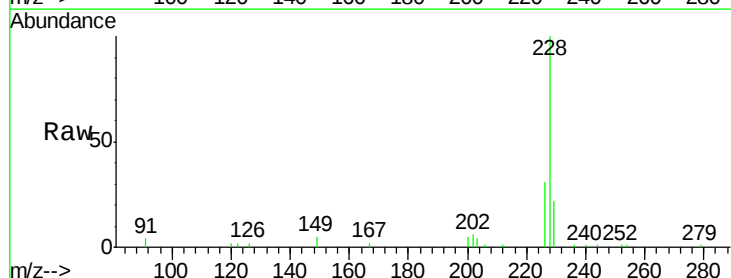
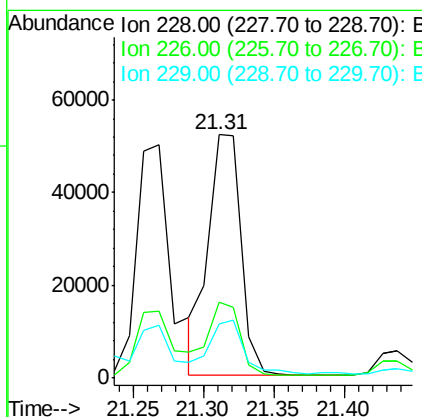
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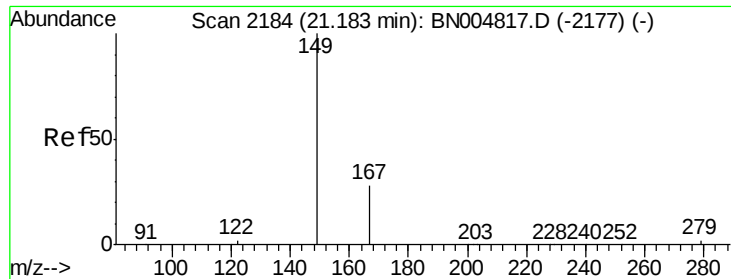
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#31
Chrysene
Concen: 1.396 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

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





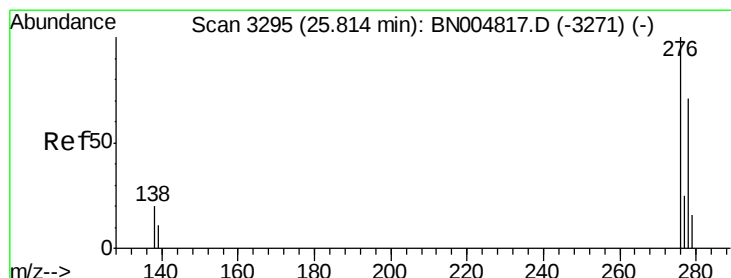
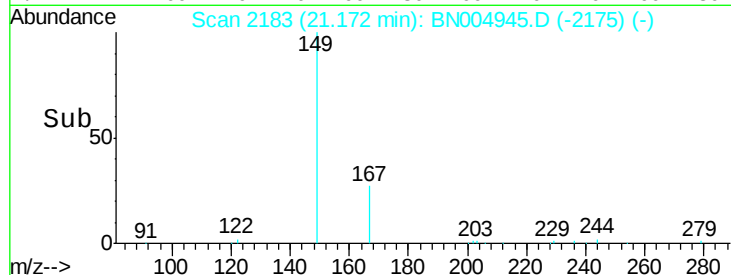
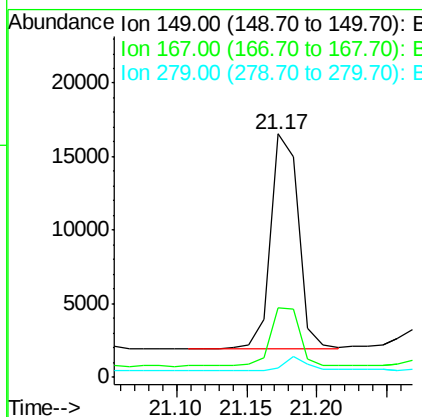
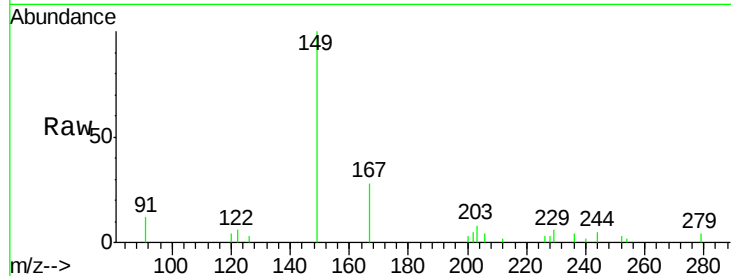
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.888 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004945.D
 Acq: 24 Mar 2019 18:47

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW037-031919

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.8	23.0	34.4
279	5.5	4.6	6.8

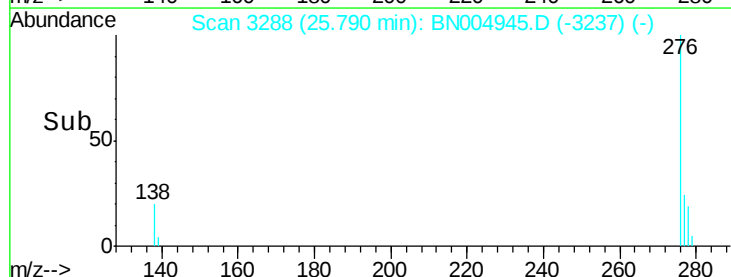
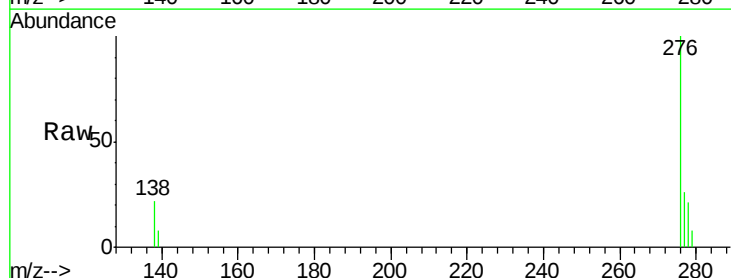
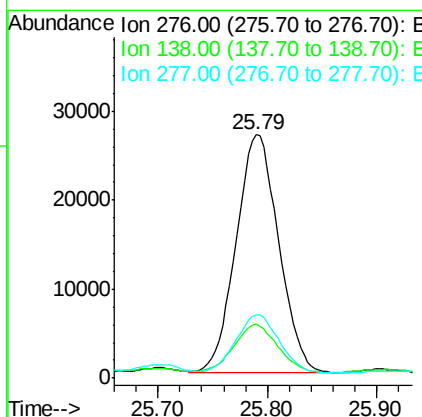
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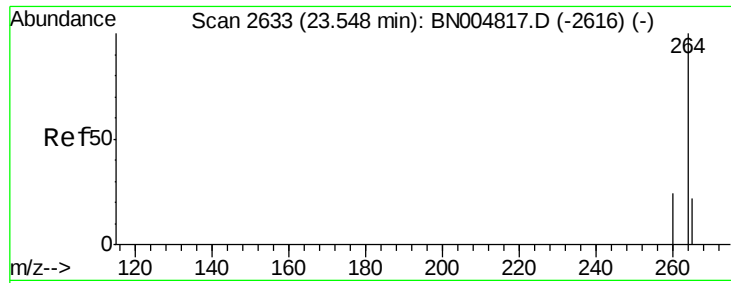
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.837 ng
 RT: 25.79 min Scan# 3288
 Delta R.T. -0.02 min
 Lab File: BN004945.D
 Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.6	24.8
277	24.9	20.3	30.5





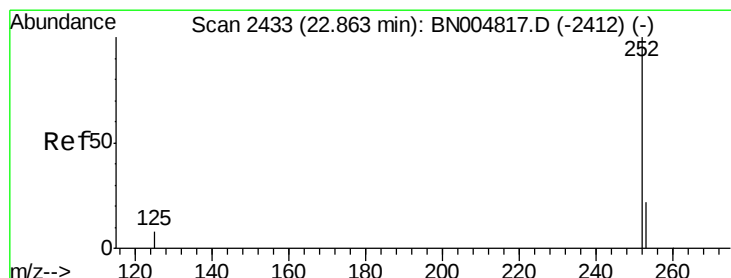
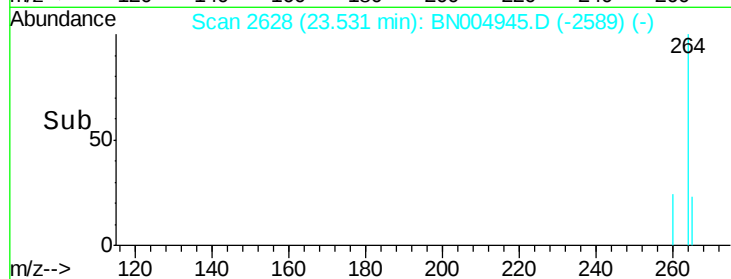
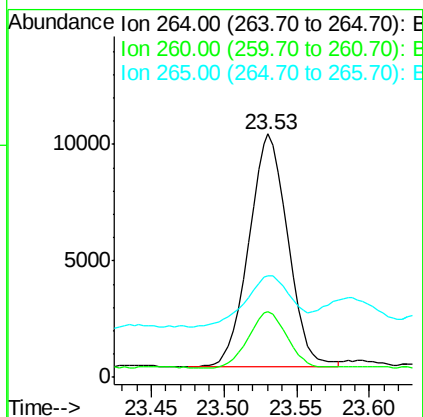
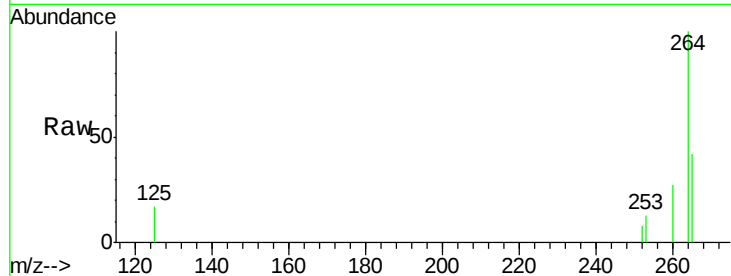
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BN004945.D
 Acq: 24 Mar 2019 18:47

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW037-031919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.8	19.5	29.3
265	41.9	23.1	34.7

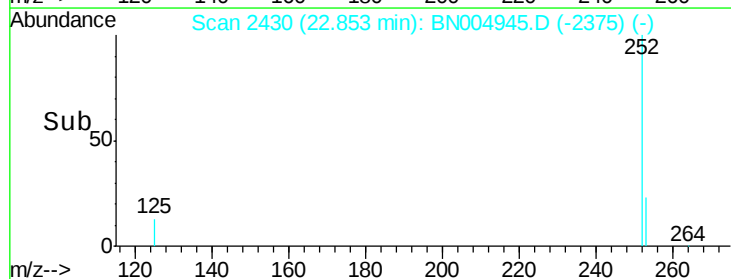
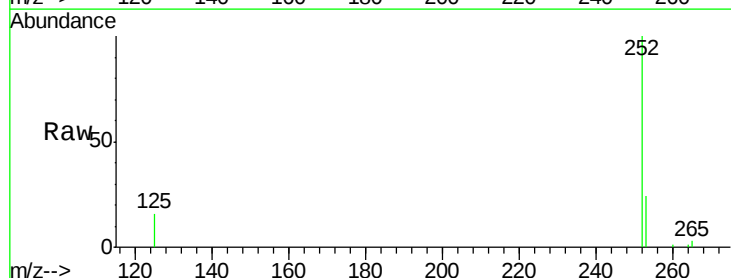
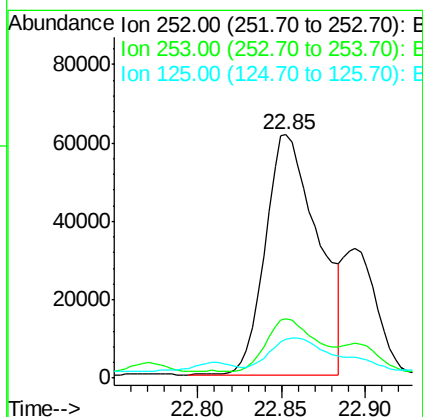
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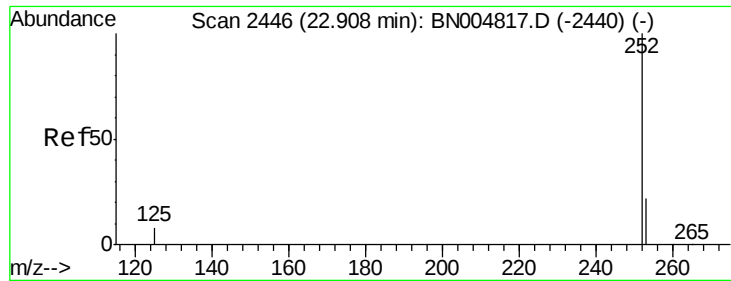
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#35
Benzo(b)fluoranthene
 Concen: 1.990 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004945.D
 Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.0	28.4
125	15.9	7.4	11.2





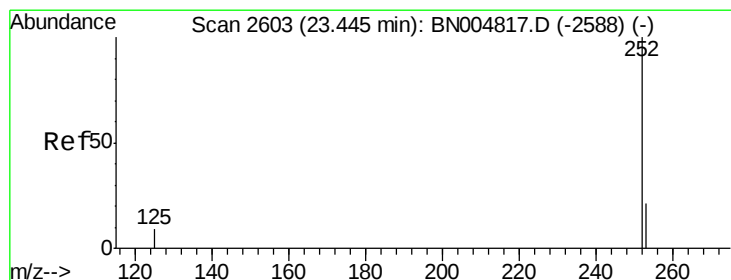
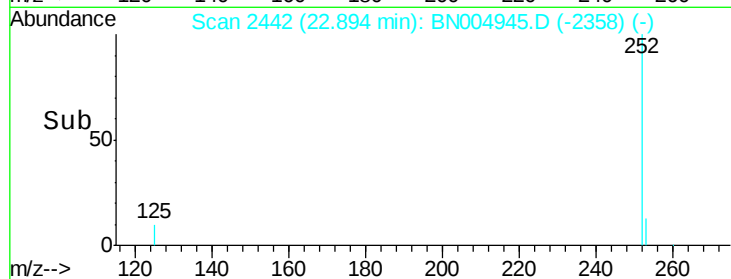
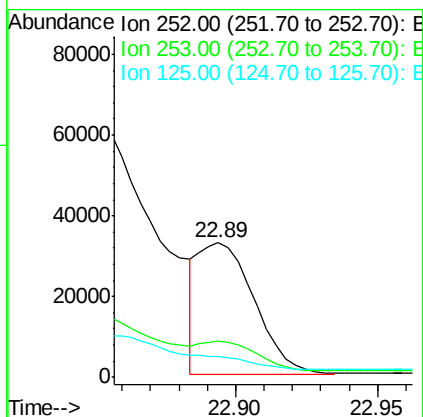
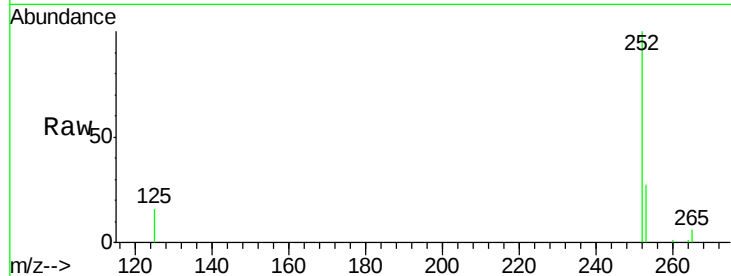
#36
Benzo(k)fluoranthene
Concen: 0.675 ng m
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW037-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.3	28.9
125	15.7	7.4	11.0

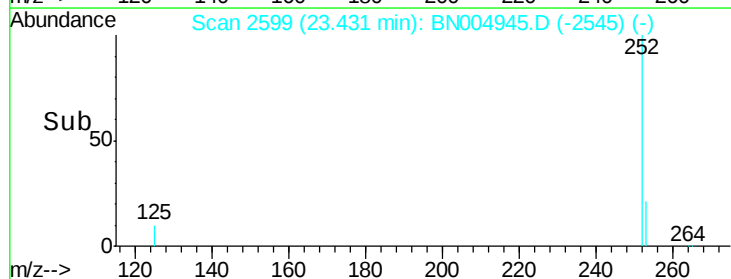
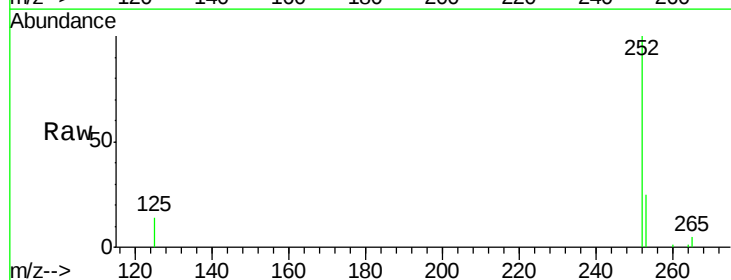
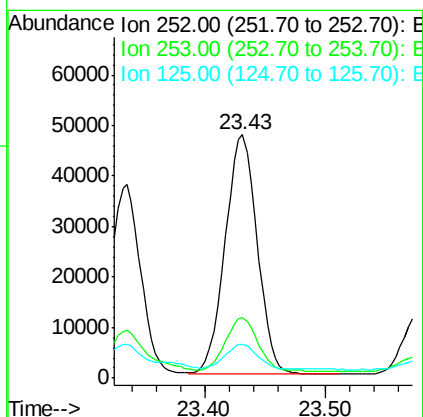
Manual Integrations
APPROVED

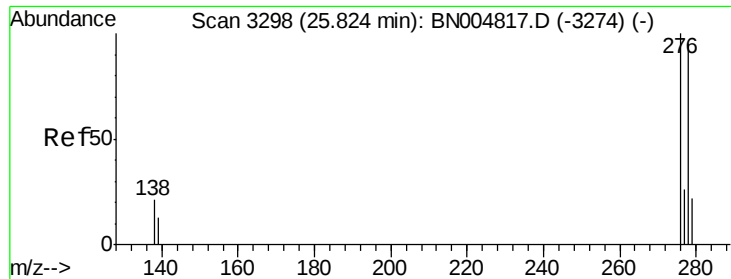
Sohil
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#37
Benzo(a)pyrene
Concen: 1.409 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.7	29.5
125	13.8	8.3	12.5





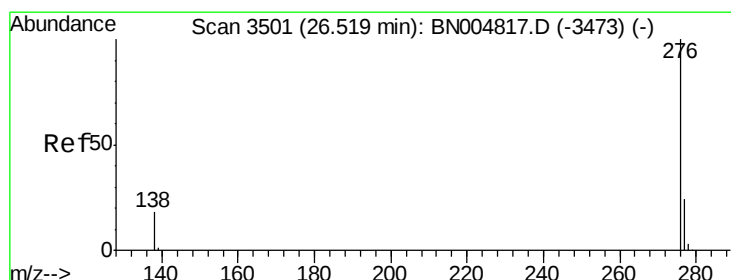
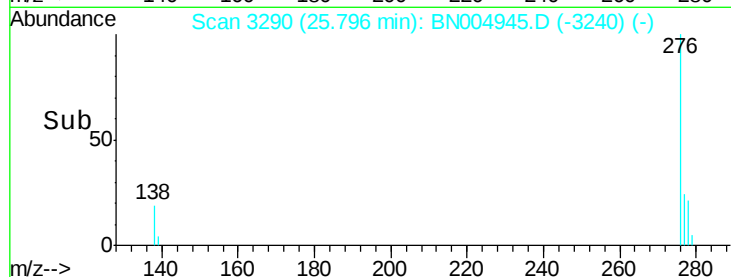
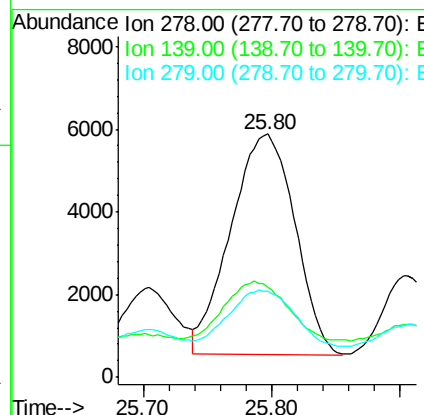
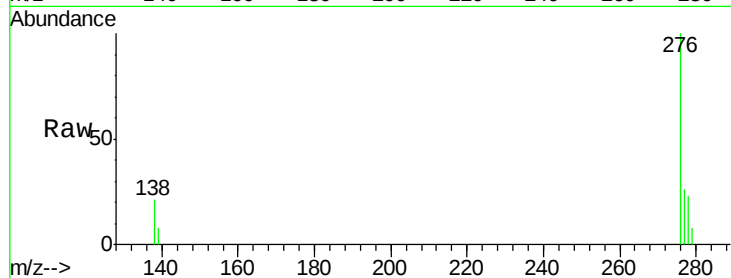
#38
Dibenzo(a,h)anthracene
Concen: 0.261 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW037-031919

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.0	11.7	17.5#
279	35.2	19.9	29.9#

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 0.995 ng
RT: 26.49 min Scan# 3494
Delta R.T. -0.02 min
Lab File: BN004945.D
Acq: 24 Mar 2019 18:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.7	29.5
138	22.2	14.6	22.0#

