

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004912.D
 Acq On : 23 Mar 2019 07:23
 Operator : JU/SJ
 Sample : K1817-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW015-030719

Manual Integrations
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Sohil
 3/25/2019 8:57:03 AM

Quant Time: Mar 24 00:49:16 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	7.69	152	4530	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	19067	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	10139	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	21543	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	18276	0.40	ng	-0.01
34) Perylene-d12	23.53	264	18773	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	4997	0.41	ng	0.00
5) Phenol-d6	6.86	99	6392	0.42	ng	-0.02
8) Nitrobenzene-d5	8.86	82	5030	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	9726	0.29	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	2128	0.30	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	13345	0.32	ng	-0.01
25) Fluoranthene-d10	19.12	212	14960	0.21	ng	-0.01
29) Terphenyl-d14	19.72	244	10544	0.28	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.52	128	15036	0.281	ng	99
12) 2-Methylnaphthalene	12.14	142	13022	0.328	ng	100
16) Acenaphthylene	14.05	152	11924	0.228	ng	# 94
17) Acenaphthene	14.39	154	70807	2.070	ng	99
18) Fluorene	15.38	166	64343	1.348	ng	# 98
23) Phenanthrene	17.12	178	932764	13.409	ng	99
24) Anthracene	17.22	178	238804	3.844	ng	# 93
26) Fluoranthene	19.15	202	960576	10.745	ng	99
28) Pyrene	19.51	202	765314	13.734	ng	# 93
30) Benzo(a)anthracene	21.26	228	418585	6.984	ng	97
31) Chrysene	21.31	228	324376	5.138	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	40006	1.671	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	161083	1.763	ng	99
35) Benzo(b)fluoranthene	22.85	252	379084	5.582	ng	99
36) Benzo(k)fluoranthene	22.89	252	126321m	1.891	ng	
37) Benzo(a)pyrene	23.43	252	276929	4.445	ng	98
38) Dibenzo(a,h)anthracene	25.79	278	49282	0.683	ng	# 88
39) Benzo(a,h,i)perylene	26.49	276	140742	1.914	ng	99

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

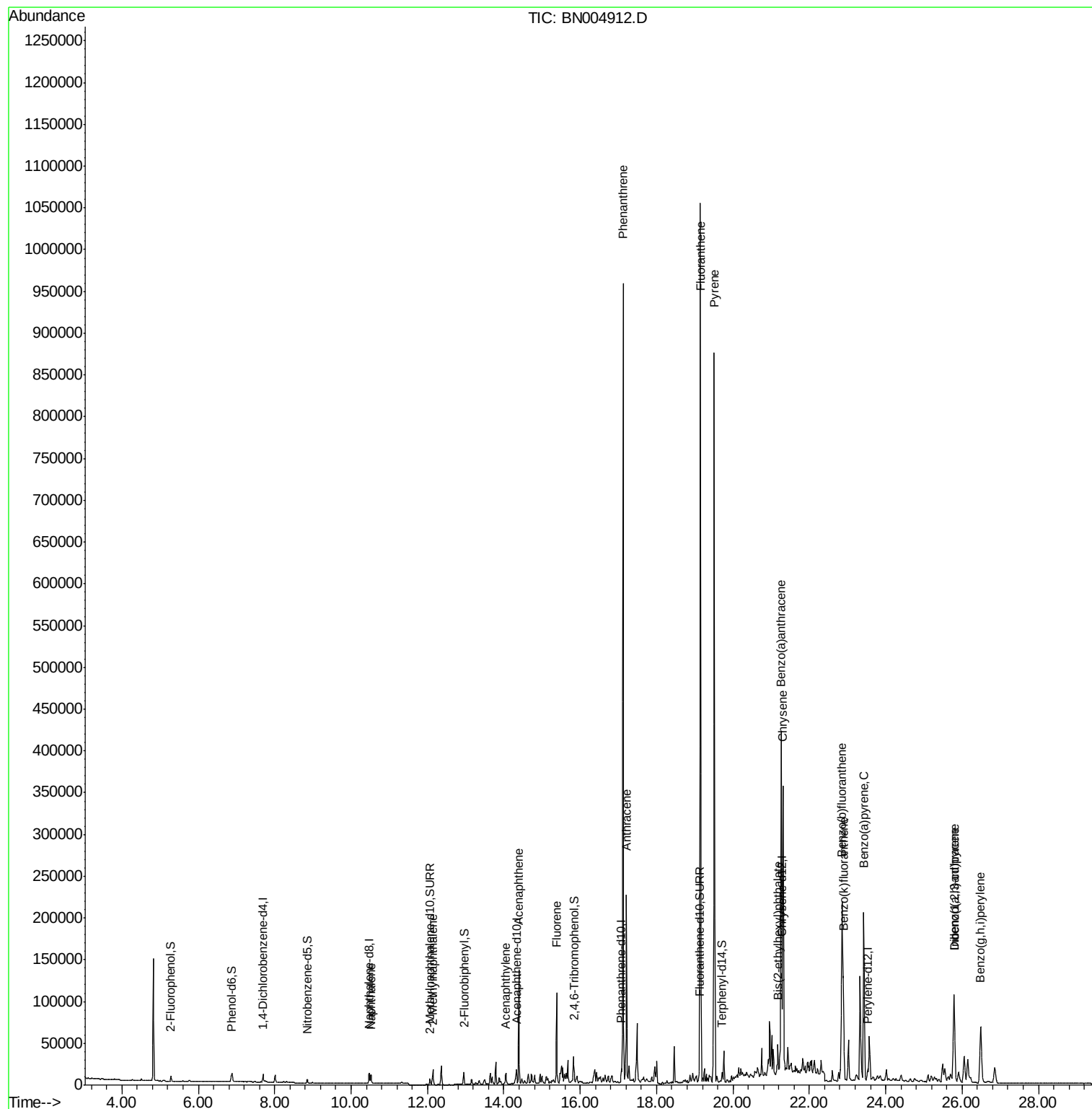
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
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ALS Vial : 20 Sample Multiplier: 1

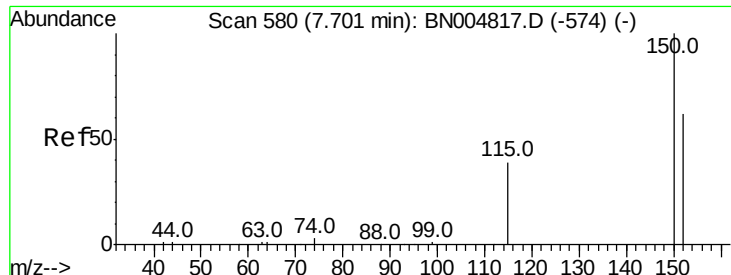
Instrument :
BNA_N
ClientSampleId :
EXT-027-SW015-030719

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

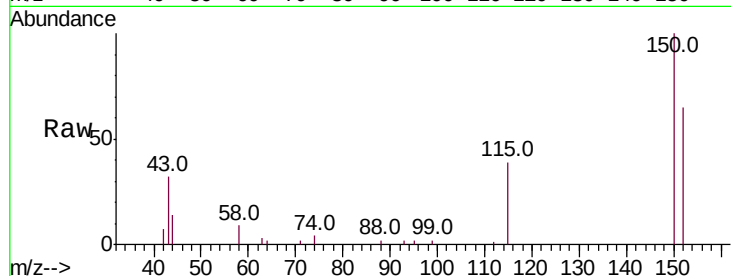
ClientSampleId :

EXT-027-SW015-030719

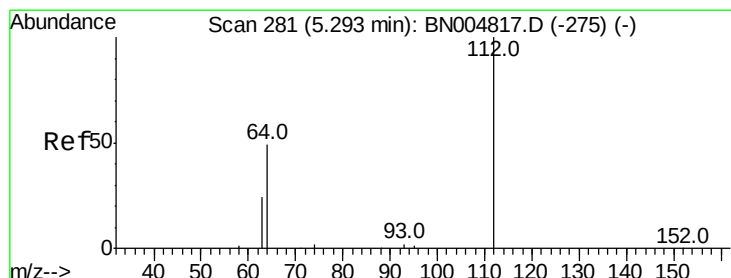
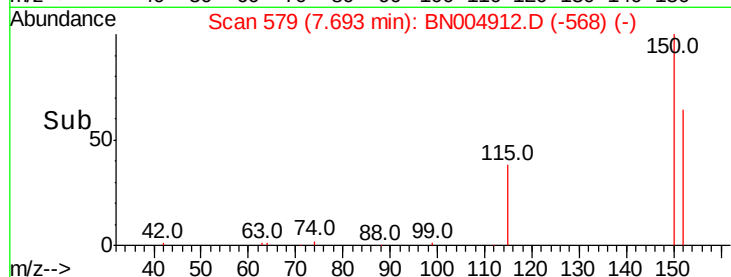
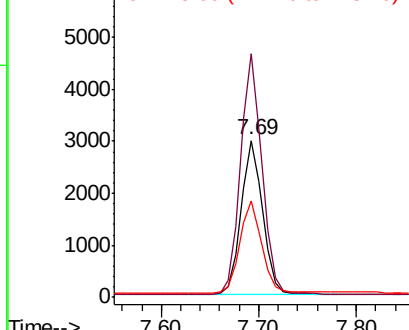
Tot Ion:	152	Resp:	4530
Ion Ratio	Lower	Upper	
152	100		
150	155.0	126.2	189.4
115	61.1	52.6	79.0

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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: 0.406 ng

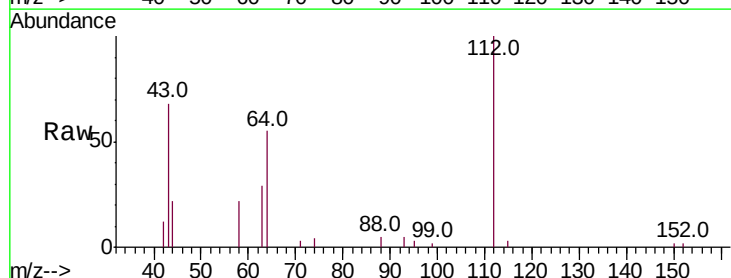
RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

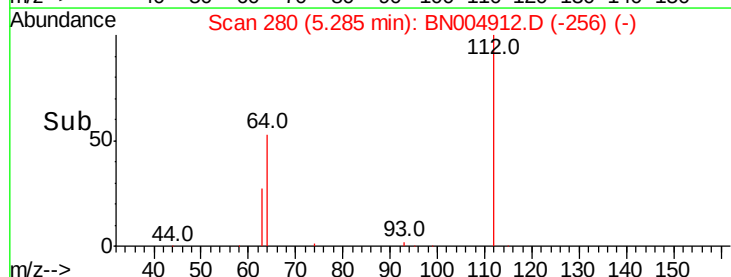
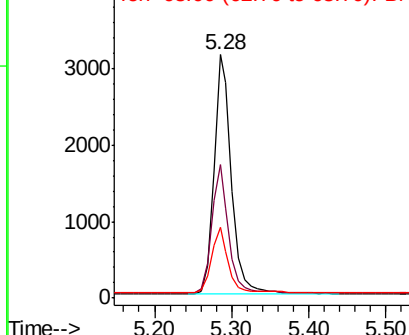
Lab File: BN004912.D

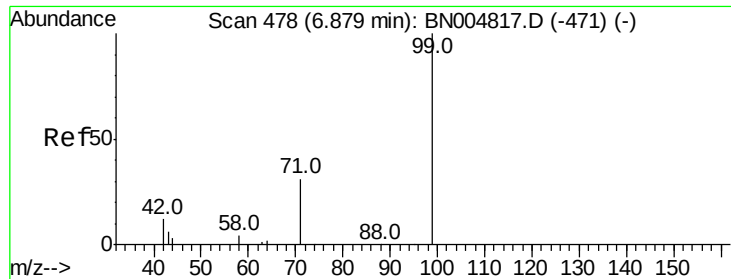
Acq: 23 Mar 2019 07:23

Tgt Ion:	112	Resp:	4997
Ion Ratio	Lower	Upper	
112	100		
64	51.5	40.0	60.0
63	26.5	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: 0.417 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

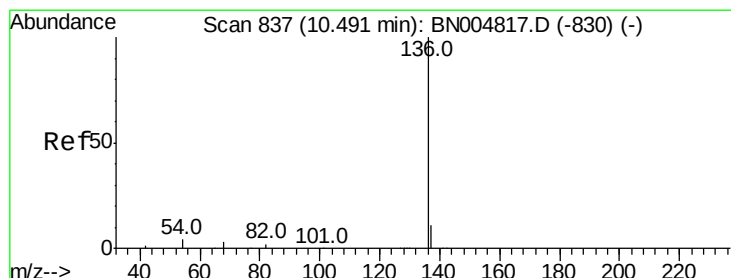
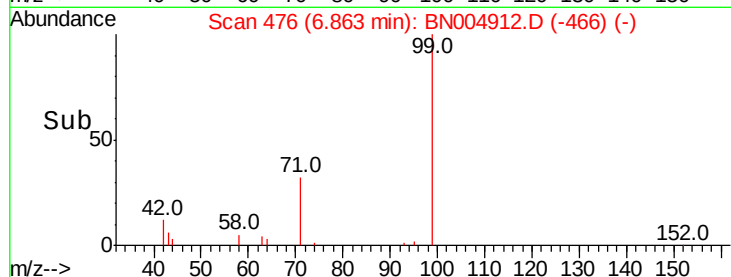
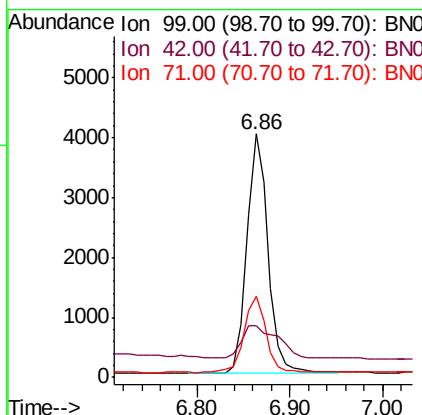
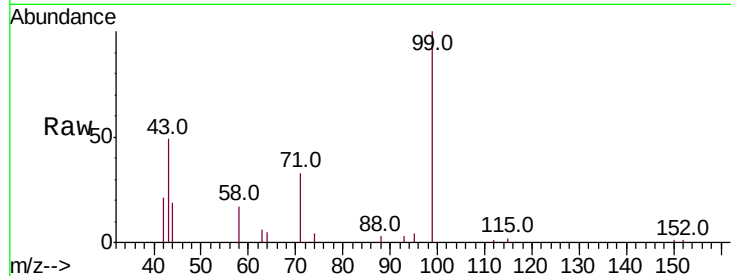
ClientSampleId :

EXT-027-SW015-030719

Tot Ion:	99	Resp:	6392
Ion	Ratio	Lower	Upper
99	100		
42	22.5	12.7	19.1#
71	32.5	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

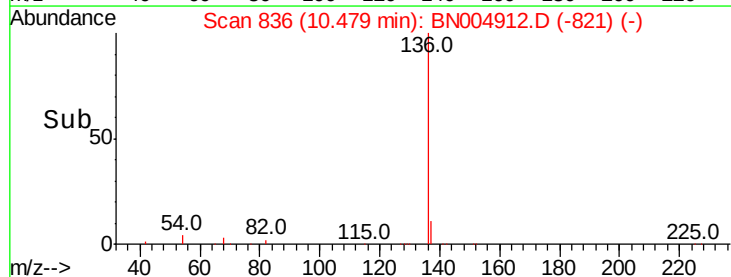
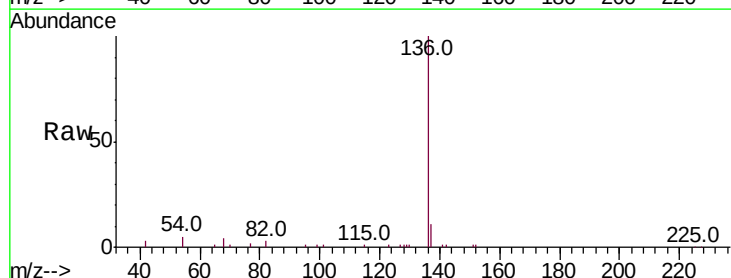
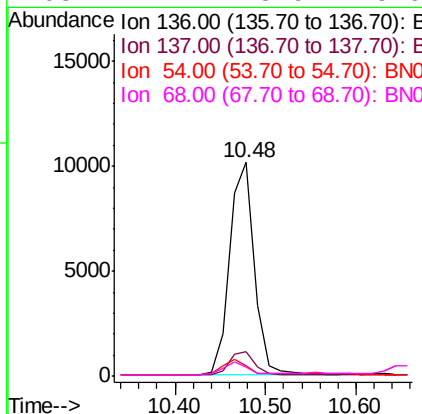
RT: 10.48 min Scan# 836

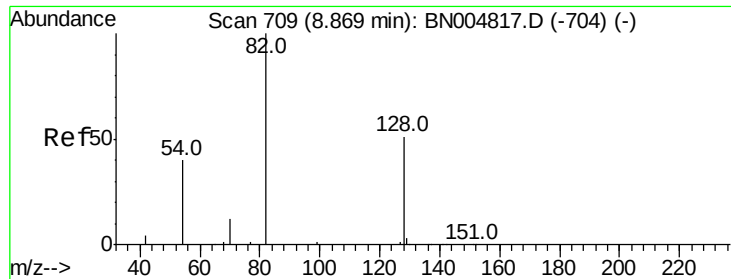
Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Tgt Ion:	136	Resp:	19067
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	4.6	4.2	6.2
68	4.1	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.399 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

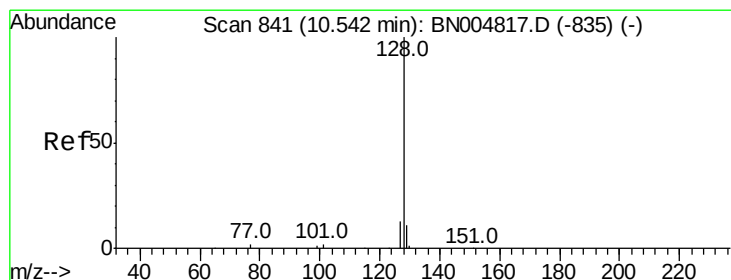
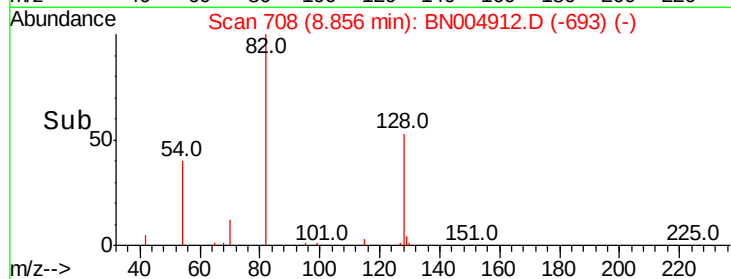
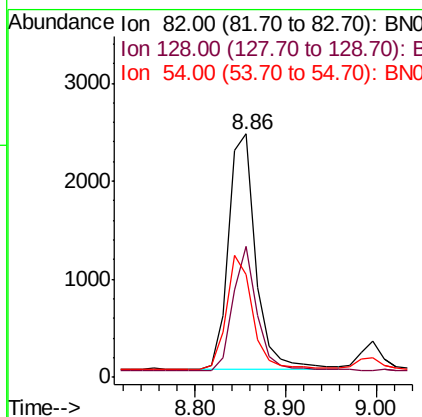
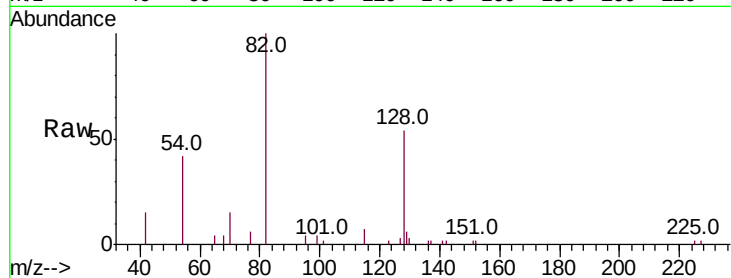
ClientSampleId :

EXT-027-SW015-030719

Tot Ion:	82	Resp:	5030
Ion Ratio	Lower	Upper	
82	100		
128	53.9	43.0	64.6
54	42.2	35.3	52.9

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#9

Naphthalene

Concen: 0.281 ng

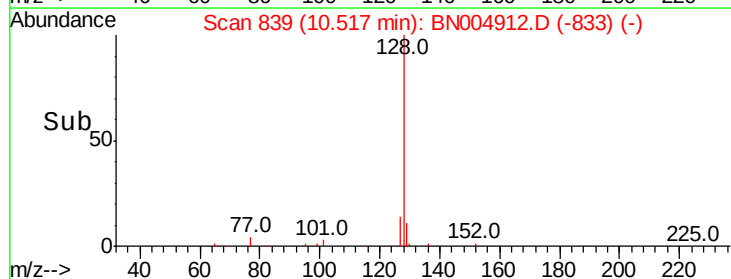
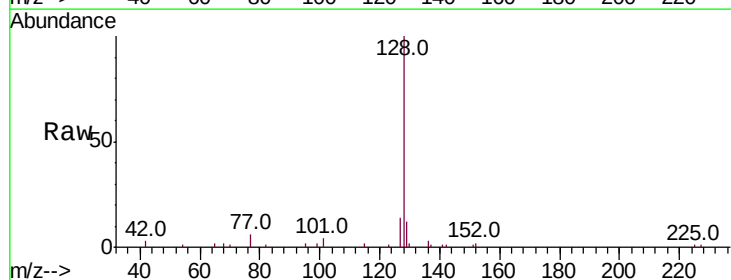
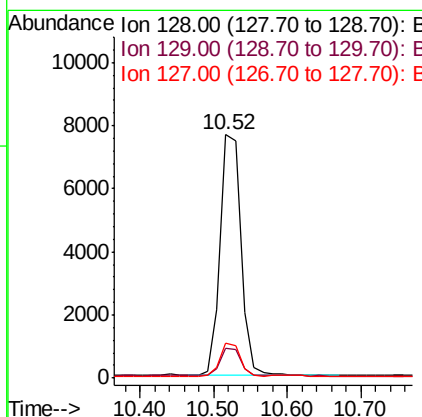
RT: 10.52 min Scan# 839

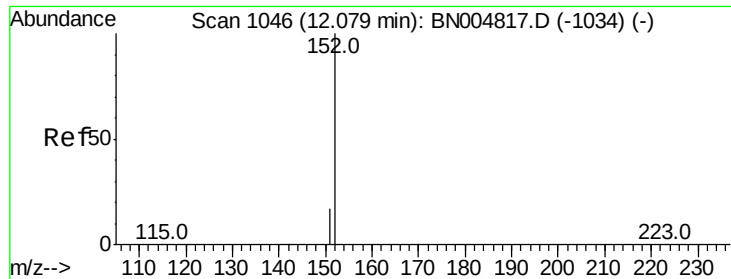
Delta R.T. -0.03 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Tgt Ion:	128	Resp:	15036
Ion Ratio	Lower	Upper	
128	100		
129	12.2	9.9	14.9
127	14.3	11.3	16.9





#11

2-Methylnaphthalene-d10

Concen: 0.292 ng

RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

ClientSampleId :

EXT-027-SW015-030719

Tot Ion:152 Resp: 9726

Ion Ratio Lower Upper

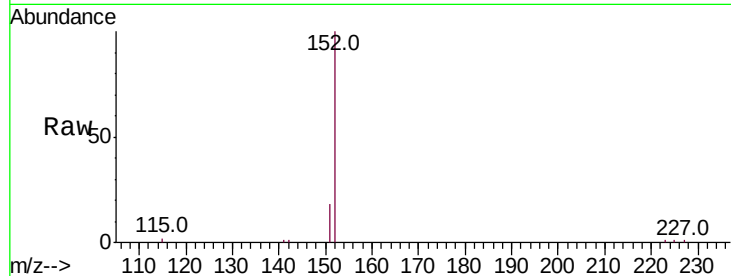
152 100

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

12.07

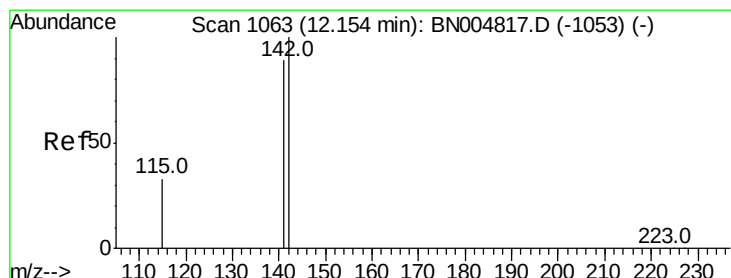
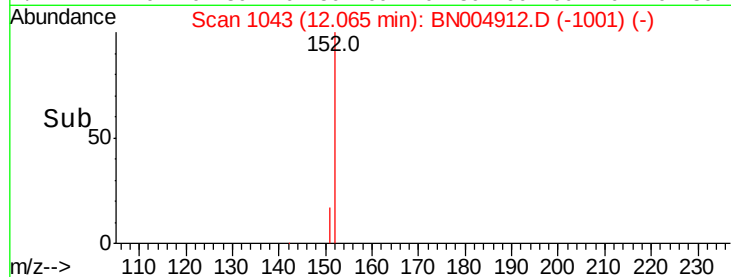
6000

4000

2000

0

Time--> 11.90 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.328 ng

RT: 12.14 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

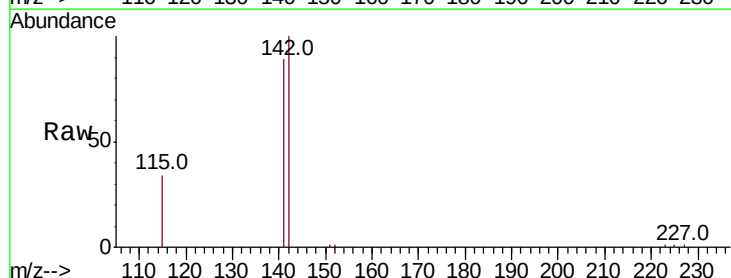
Tgt Ion:142 Resp: 13022

Ion Ratio Lower Upper

142 100

141 89.3 71.4 107.2

115 34.3 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

10000

8000

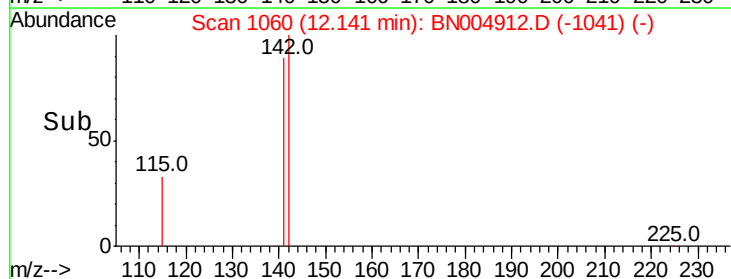
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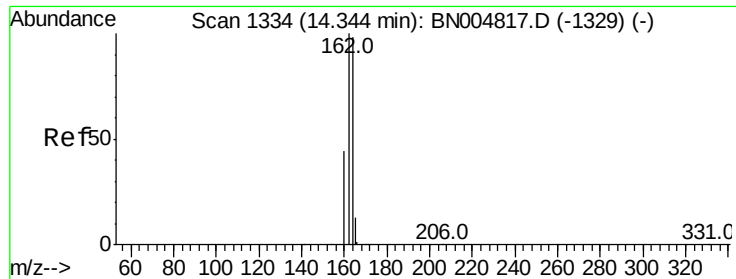
4000

2000

0

Time--> 12.10 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

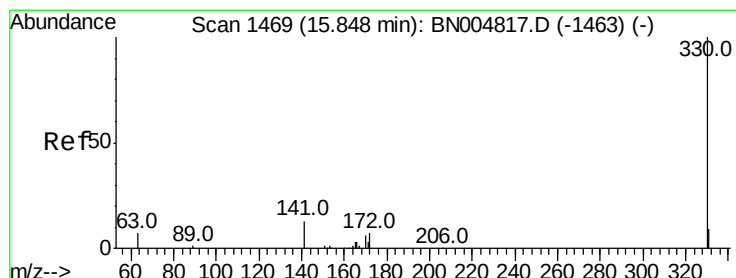
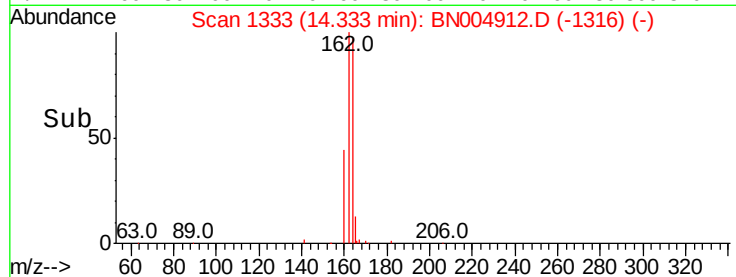
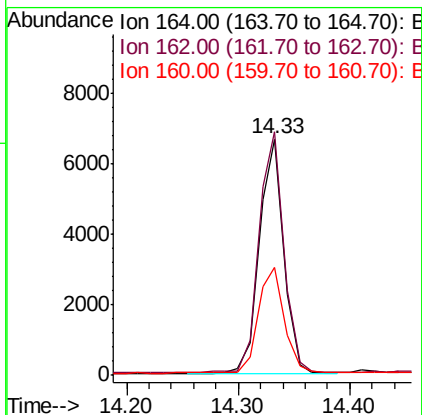
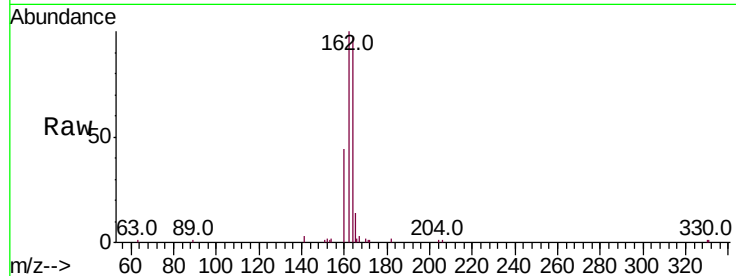
ClientSampleId :

EXT-027-SW015-030719

Tot Ion:	164	Resp:	10139
Ion Ratio	Lower	Upper	
164	100		
162	103.0	81.9	122.9
160	45.8	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.304 ng

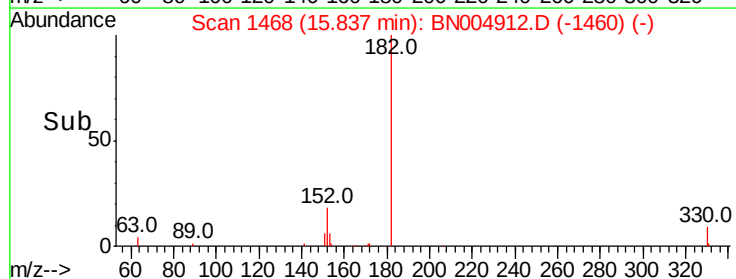
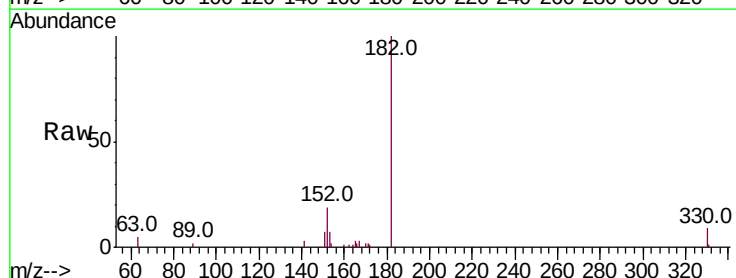
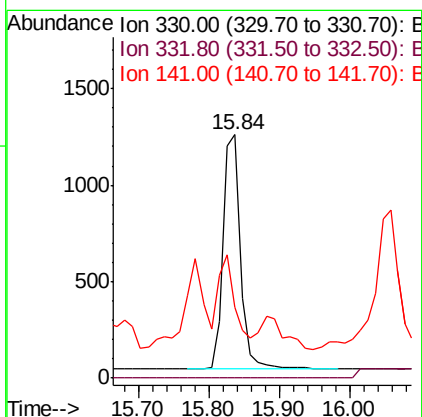
RT: 15.84 min Scan# 1468

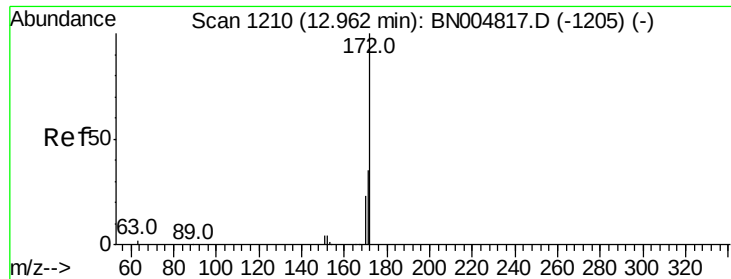
Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Tgt Ion:	330	Resp:	2128
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	31.3	20.9	31.3





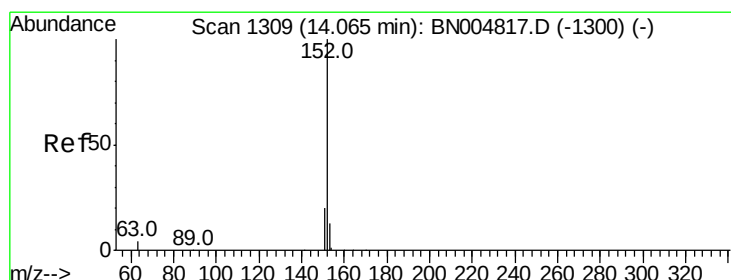
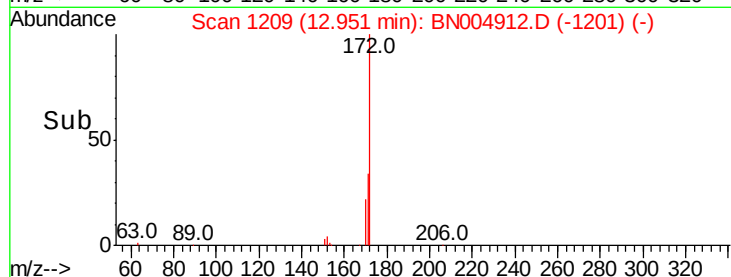
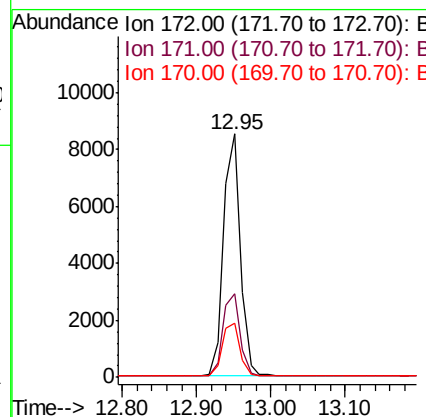
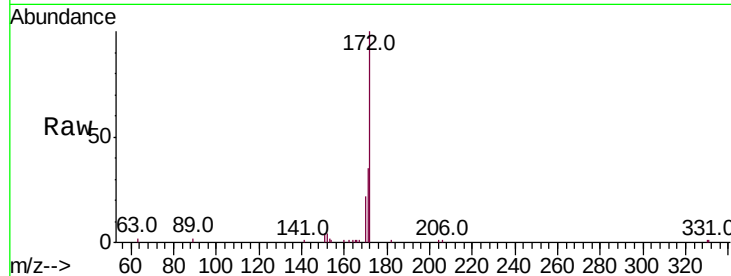
#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

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Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.7	43.1
170	22.1	18.7	28.1

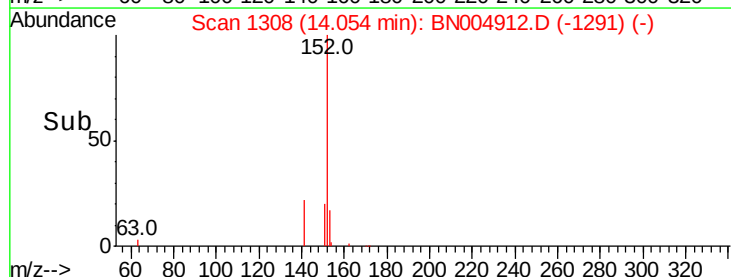
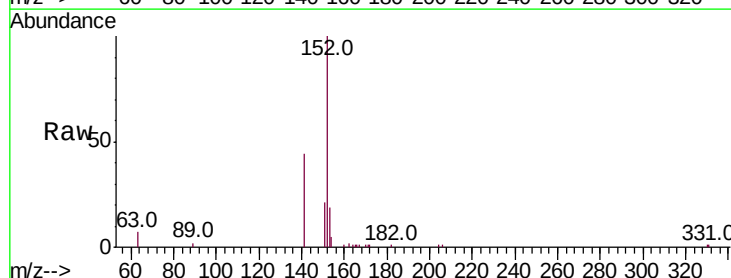
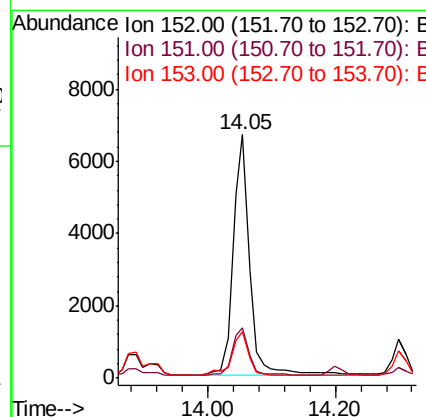
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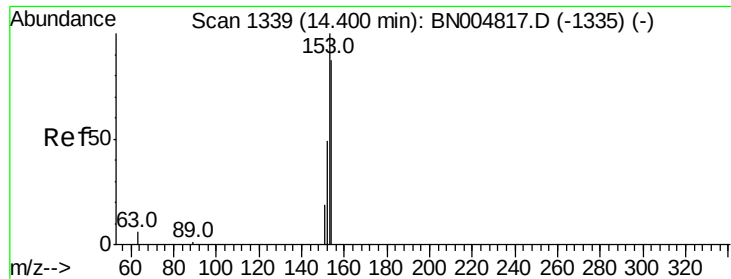
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#16
Acenaphthylene
Concen: 0.228 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.1	24.1
153	18.9	10.5	15.7#





#17

Acenaphthene

Concen: 2.070 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

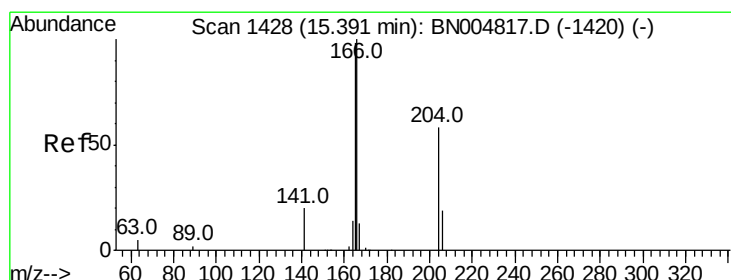
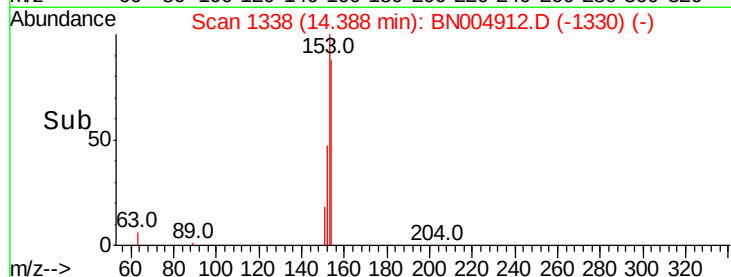
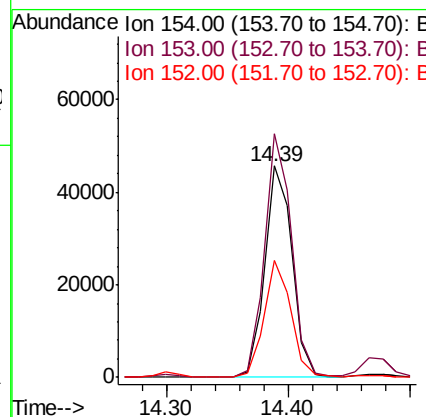
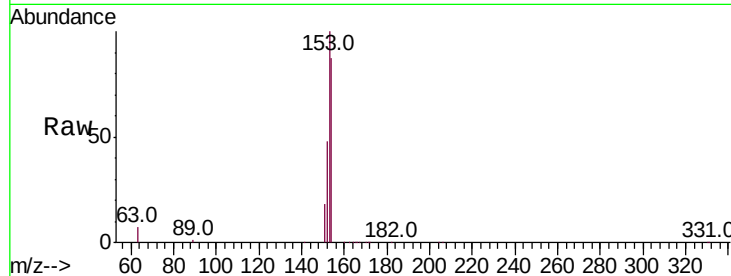
ClientSampleId :

EXT-027-SW015-030719

Tot Ion:	154	Resp:	70807
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.4	137.2
152	54.3	44.2	66.2

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#18

Fluorene

Concen: 1.348 ng

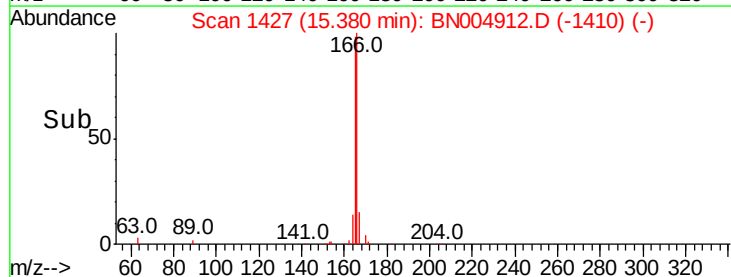
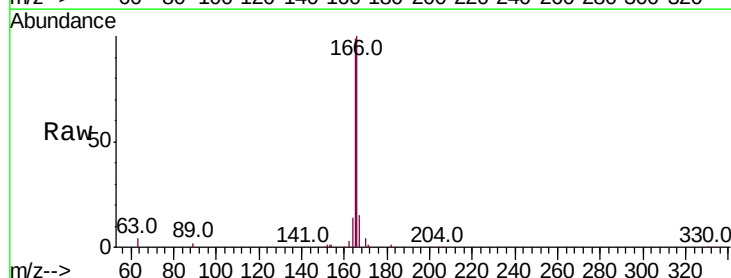
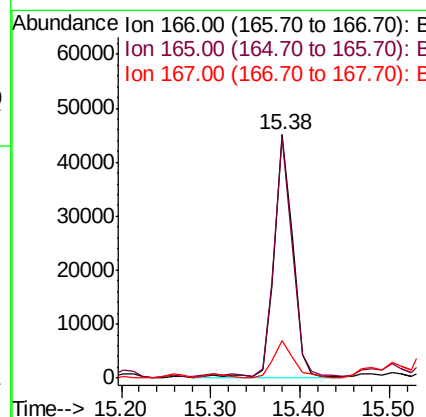
RT: 15.38 min Scan# 1427

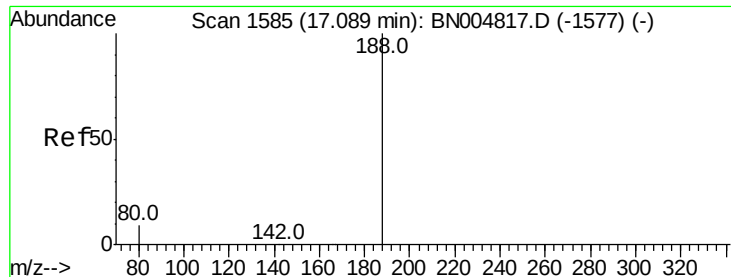
Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Tgt Ion:	166	Resp:	64343
Ion Ratio	Lower	Upper	
166	100		
165	96.2	78.2	117.4
167	16.5	11.0	16.4#





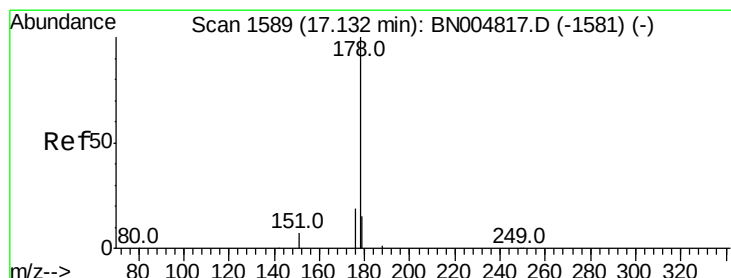
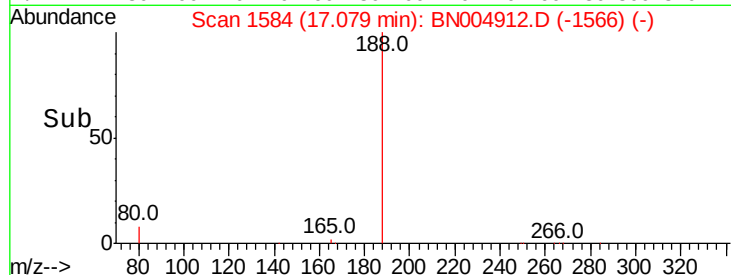
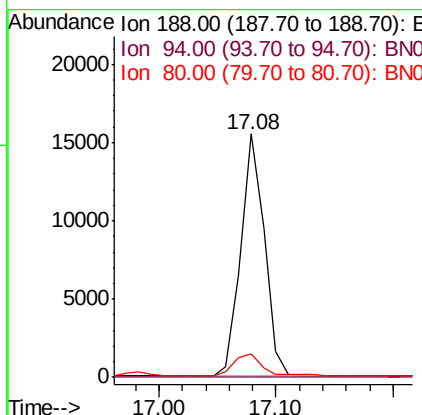
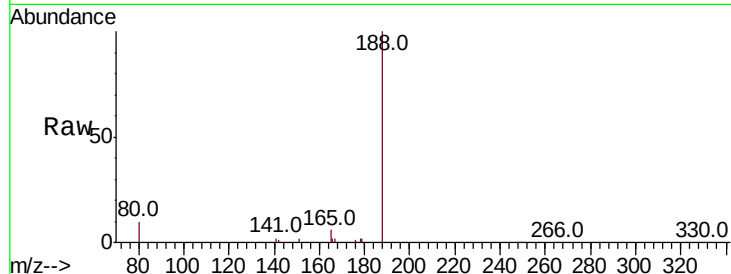
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW015-030719

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	7.4	11.2

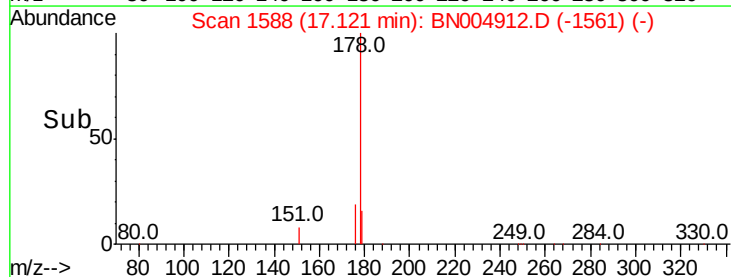
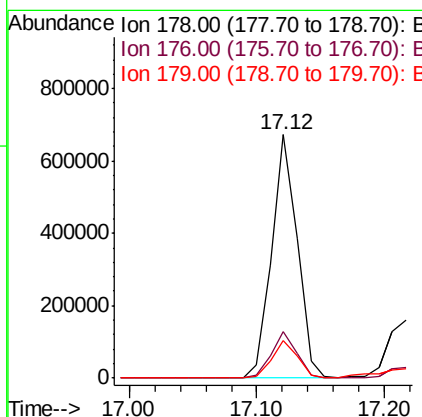
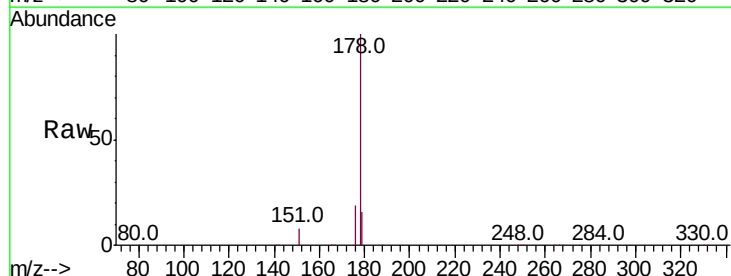
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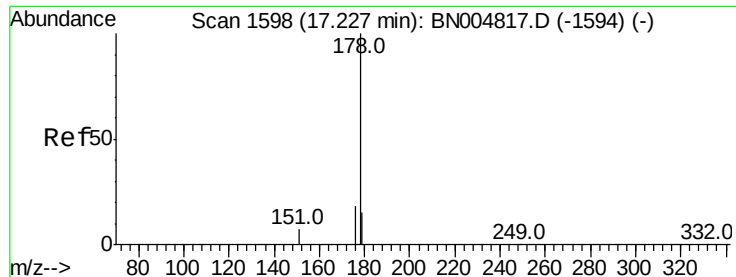
Sohil
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#23
Phenanthrene
Concen: 13.409 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.6	12.1	18.1





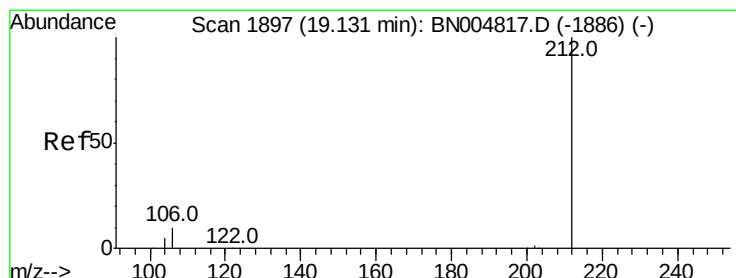
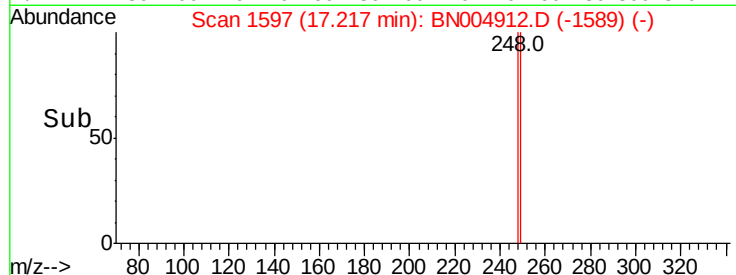
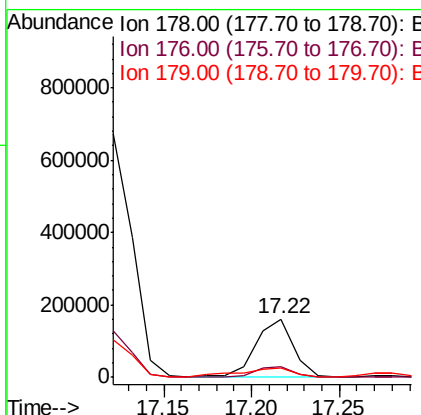
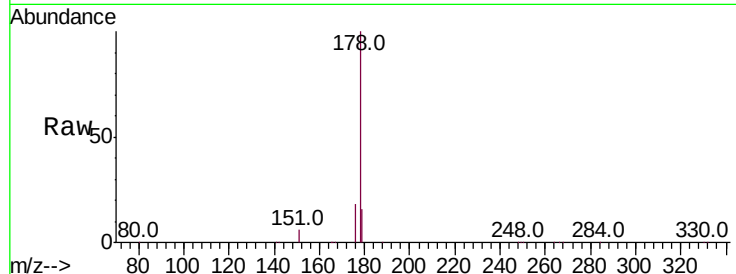
#24
 Anthracene
 Concen: 3.844 ng
 RT: 17.22 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BN004912.D
 Acq: 23 Mar 2019 07:23

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW015-030719

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.5	21.7
179	21.8	12.2	18.4

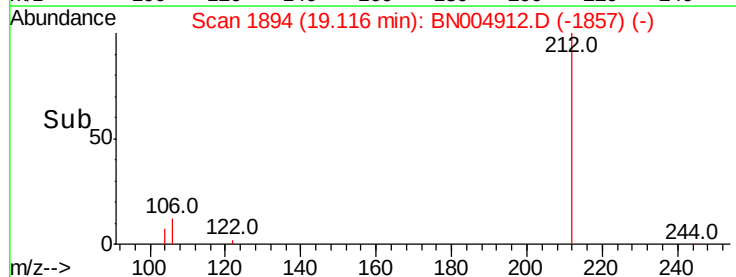
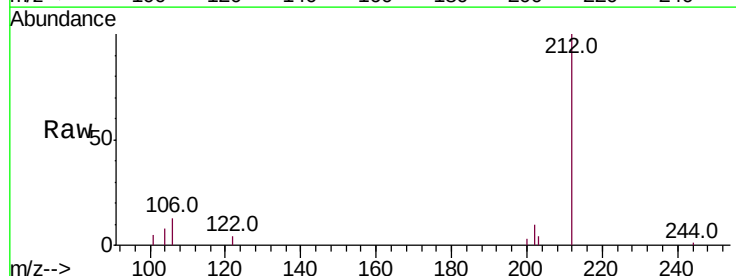
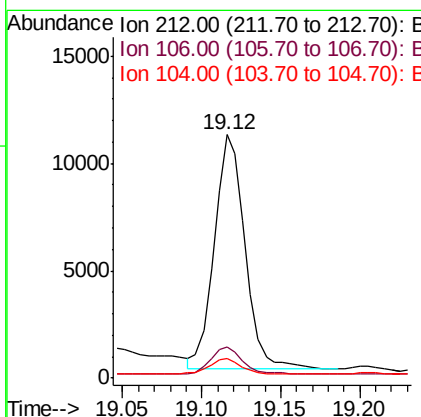
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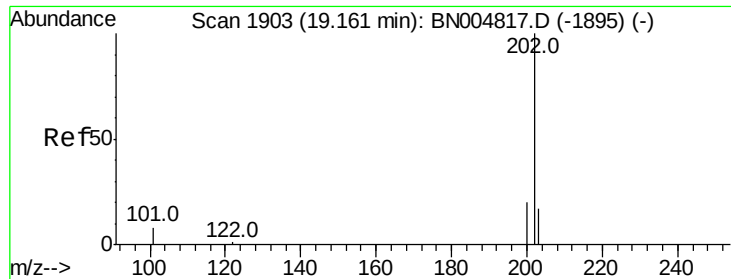
Sohil
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#25
 Fluoranthene-d10
 Concen: 0.207 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. -0.01 min
 Lab File: BN004912.D
 Acq: 23 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.9	8.6	13.0
104	7.0	4.7	7.1





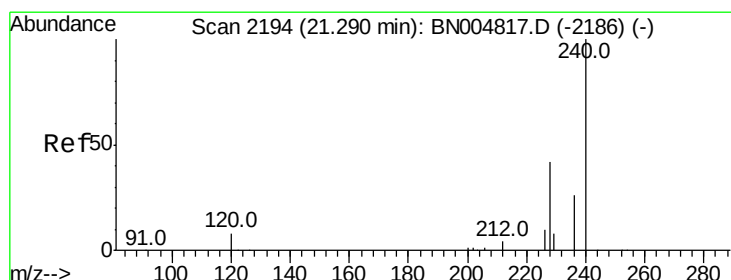
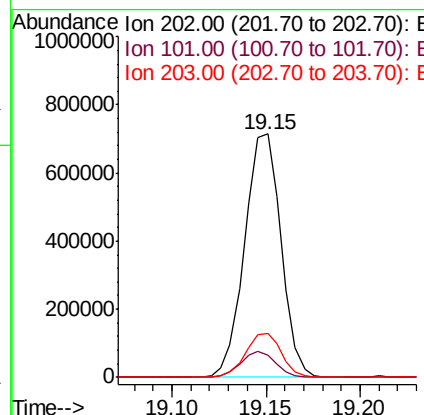
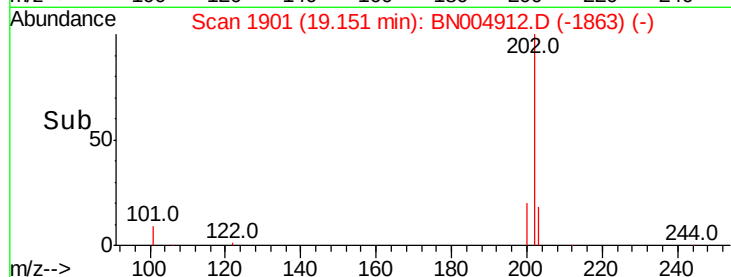
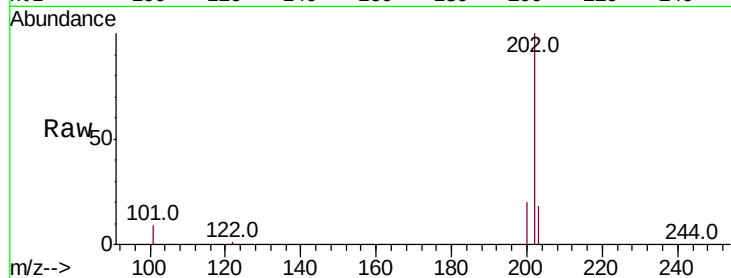
#26
Fluoranthene
Concen: 10.745 ng
RT: 19.15 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW015-030719

Tot Ion	Ratio	Resp	Lower	Upper
202	100	960576		
101	10.1		7.5	11.3
203	17.7		13.8	20.6

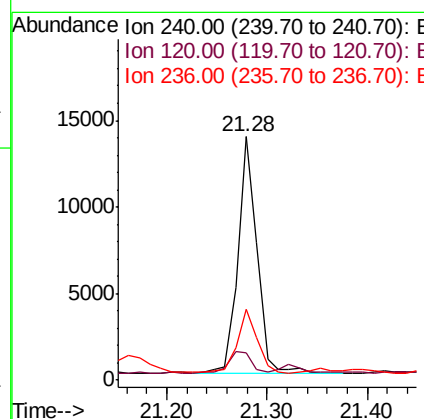
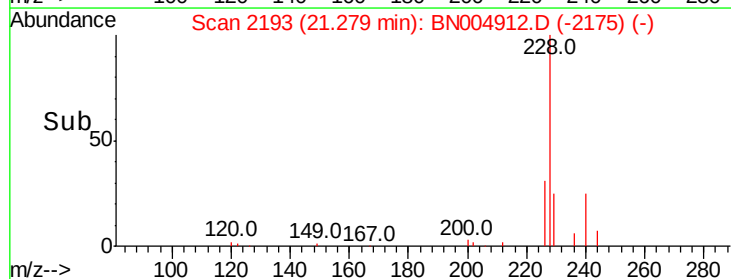
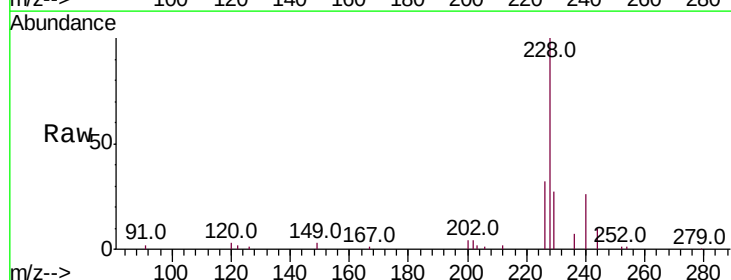
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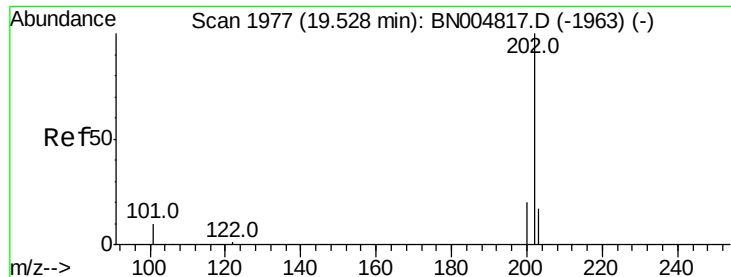
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	18276		
120	11.5		7.2	10.8#
236	29.1		20.9	31.3





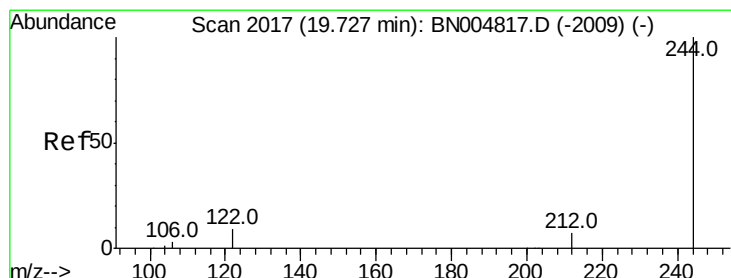
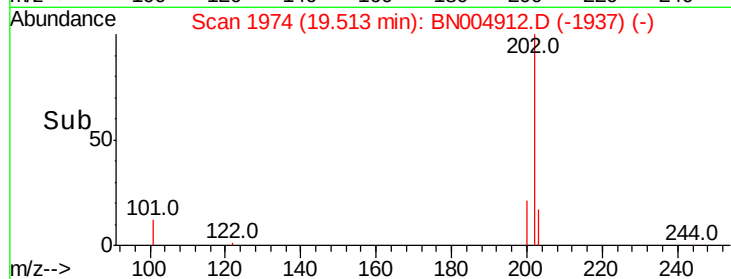
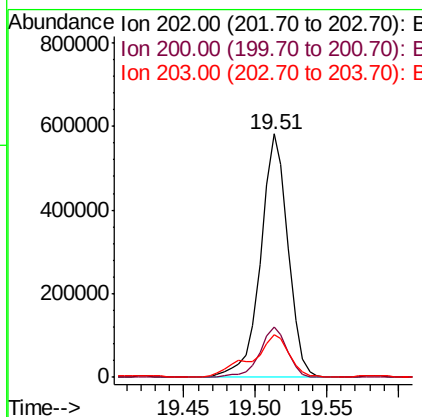
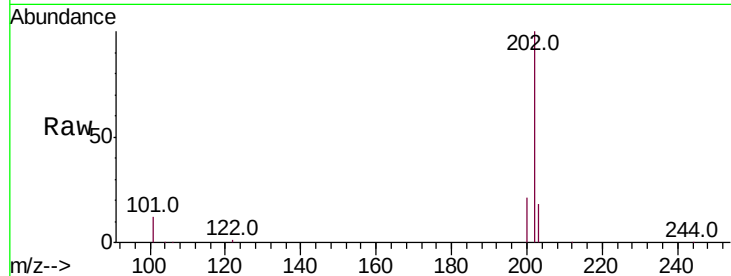
#28
Pvrene
Concen: 13.734 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW015-030719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.3	24.5
203	23.9	14.0	21.0

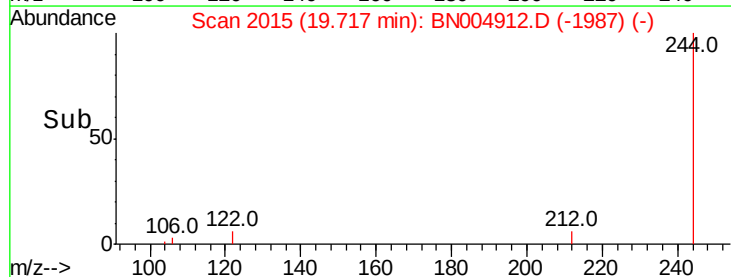
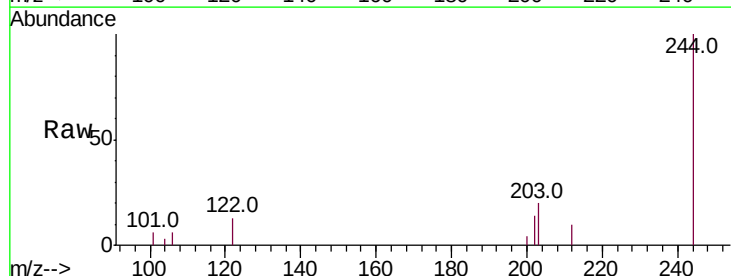
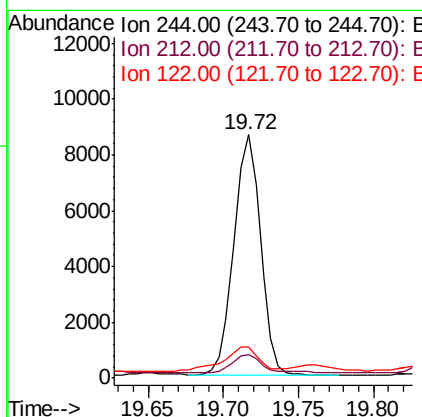
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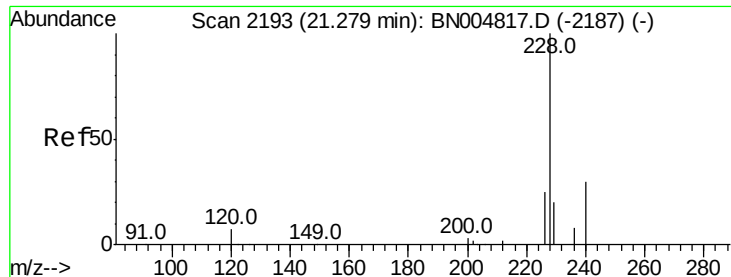
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#29
Terphenyl-d14
Concen: 0.282 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.5	5.8	8.6
122	12.6	7.9	11.9





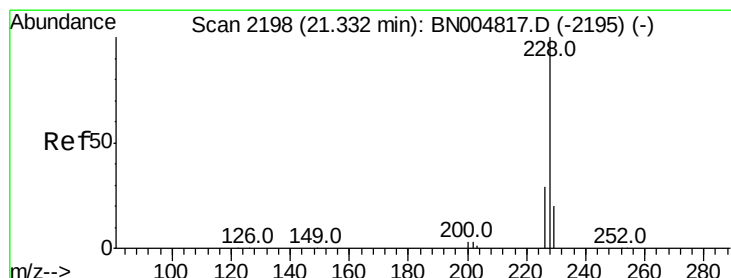
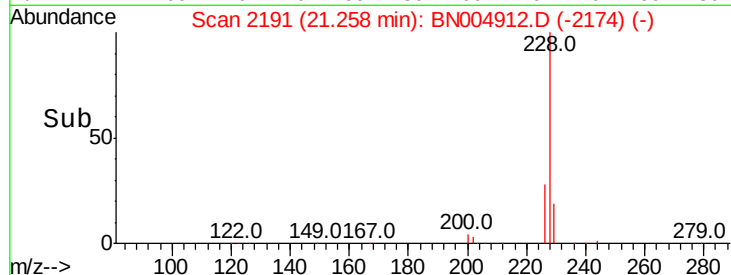
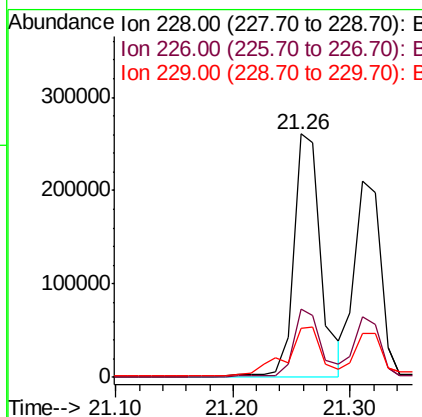
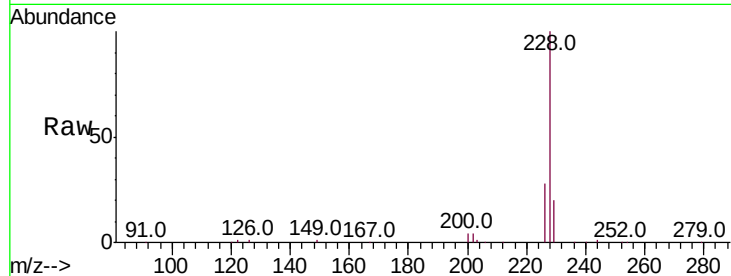
#30
Benzo(a)anthracene
Concen: 6.984 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW015-030719

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	20.6	31.0
229	20.0	16.2	24.4

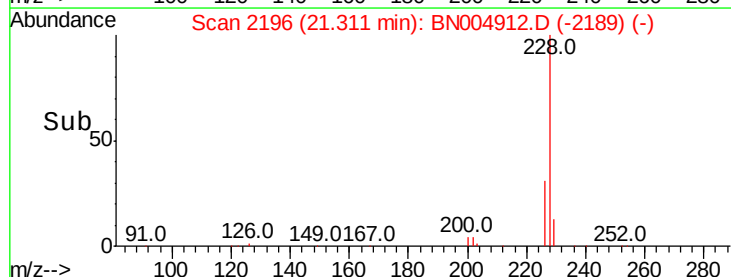
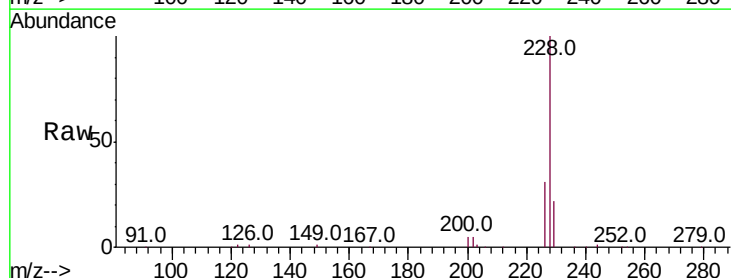
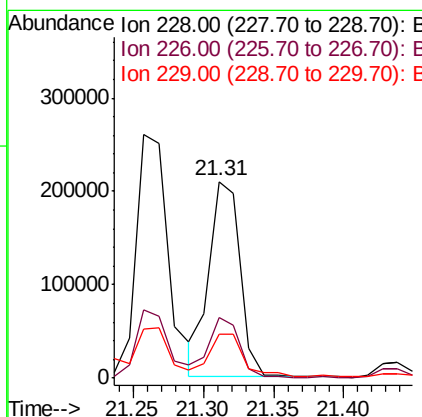
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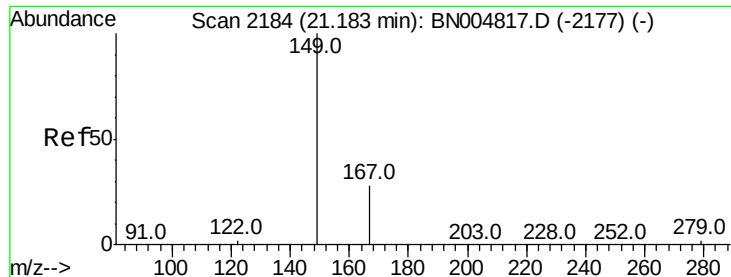
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#31
Chrysene
Concen: 5.138 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004912.D
Acq: 23 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.0	34.6
229	22.1	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.671 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

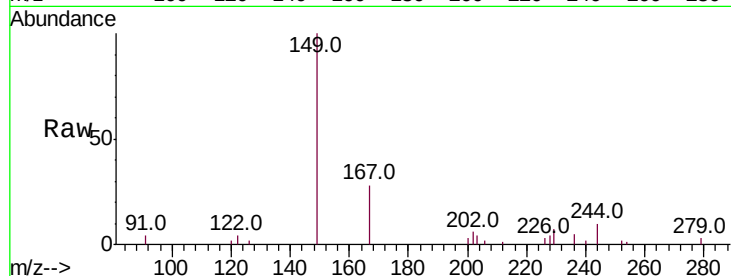
ClientSampleId :

EXT-027-SW015-030719

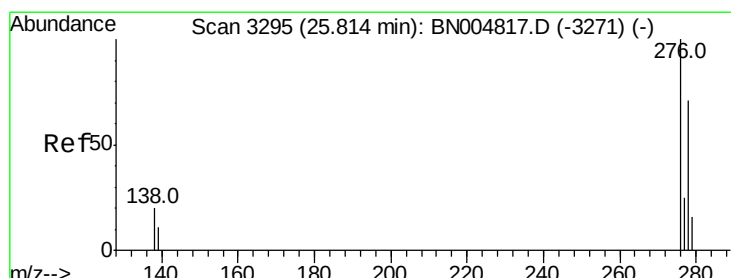
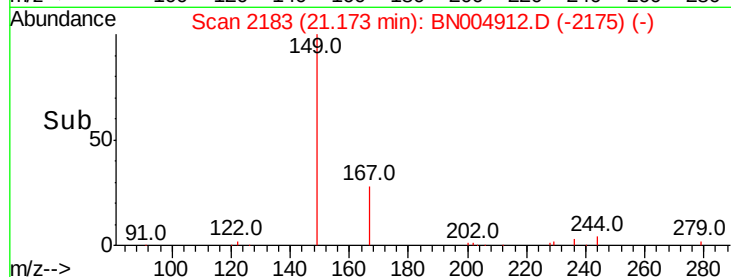
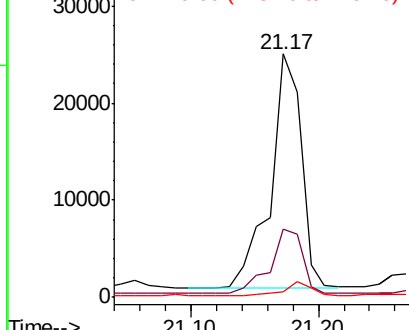
Tot Ion:	149	Resp:	40006
Ion Ratio	Lower	Upper	
149	100		
167	29.1	23.0	34.4
279	4.6	4.6	6.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.763 ng

RT: 25.79 min Scan# 3288

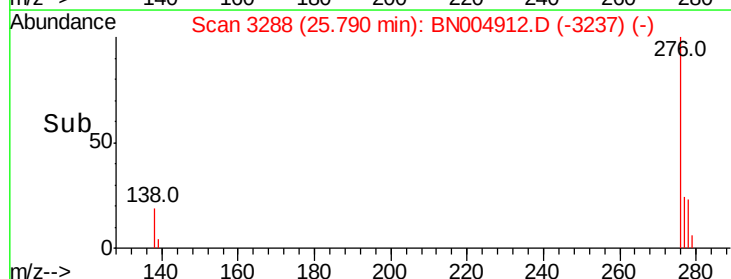
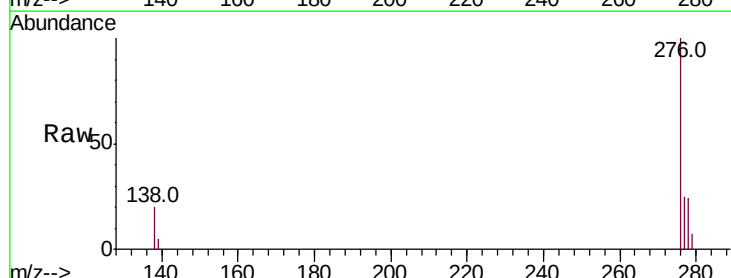
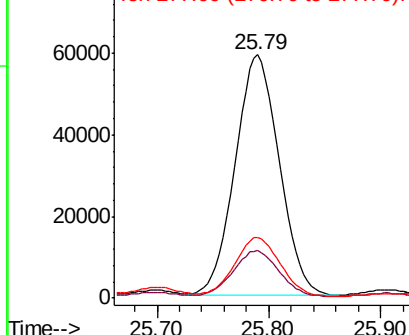
Delta R.T. -0.02 min

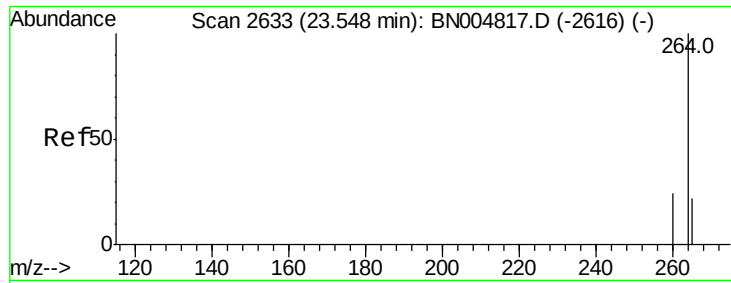
Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Tgt Ion:	276	Resp:	161083
Ion Ratio	Lower	Upper	
276	100		
138	19.5	16.6	24.8
277	25.2	20.3	30.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





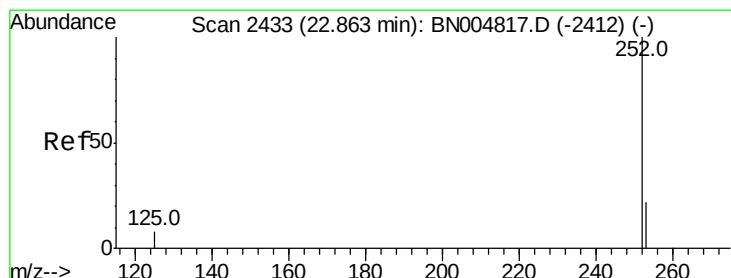
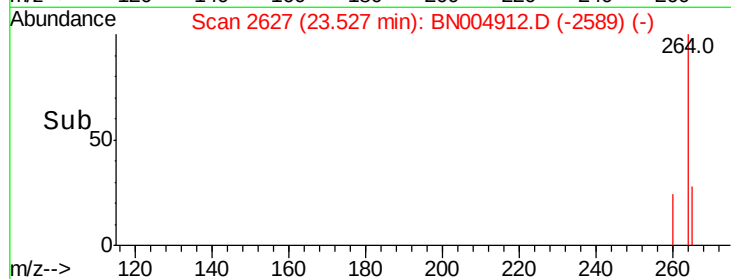
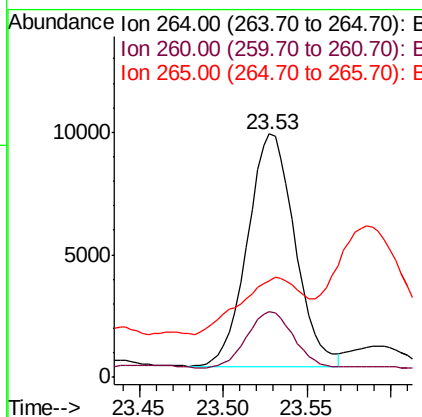
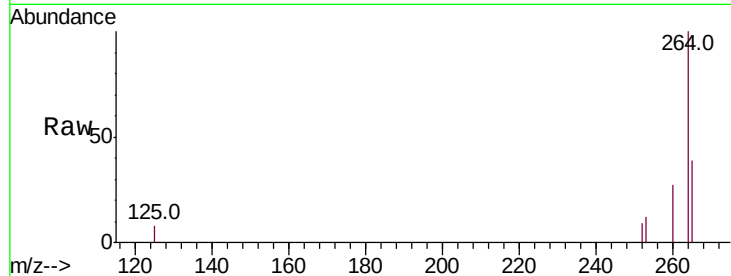
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2627
 Delta R.T. -0.02 min
 Lab File: BN004912.D
 Acq: 23 Mar 2019 07:23

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW015-030719

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.2	19.5	29.3
265	39.5	23.1	34.7

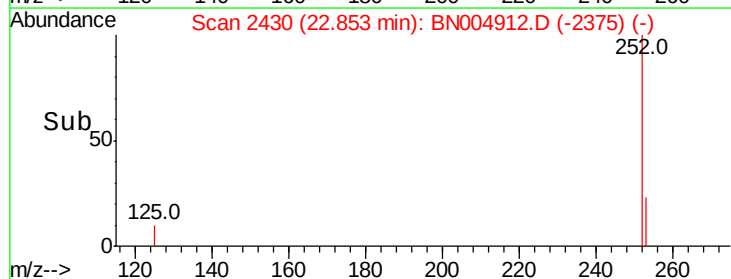
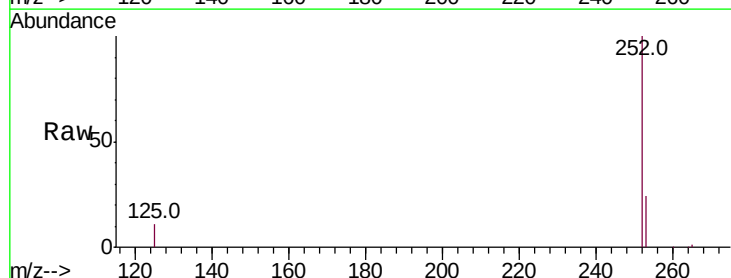
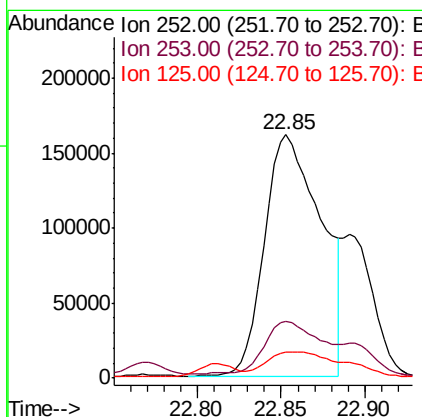
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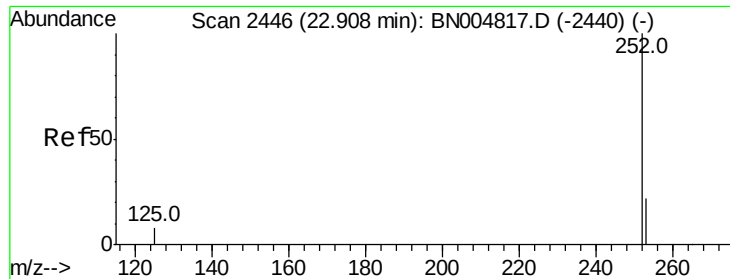
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#35
 Benzo(b)fluoranthene
 Concen: 5.582 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004912.D
 Acq: 23 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.4
125	10.6	7.4	11.2





#36

Benzo(k)fluoranthene

Concen: 1.891 ng/mL

RT: 22.89 min Scan# 2441

Delta R.T. -0.02 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

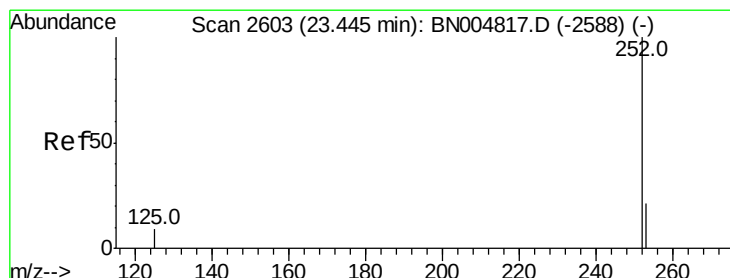
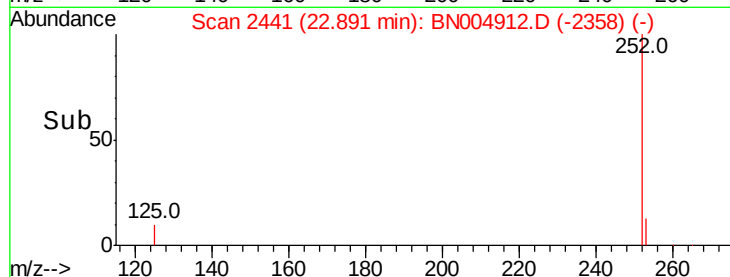
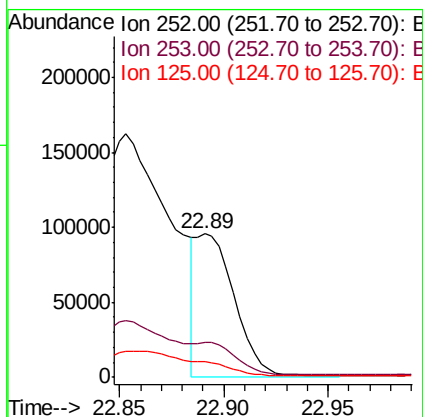
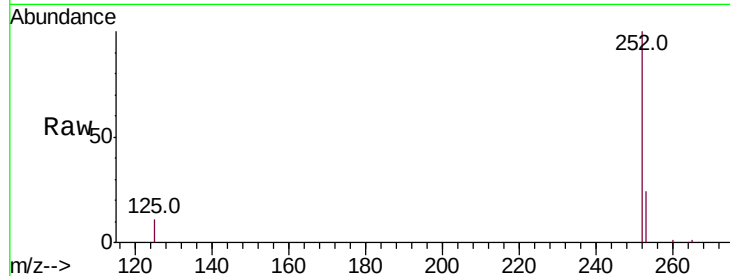
ClientSampleId :

EXT-027-SW015-030719

Tot Ion:	252	Resp:	126321
Ion Ratio	Lower	Upper	
252	100		
253	24.3	19.3	28.9
125	10.6	7.4	11.0

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 4.445 ng/mL

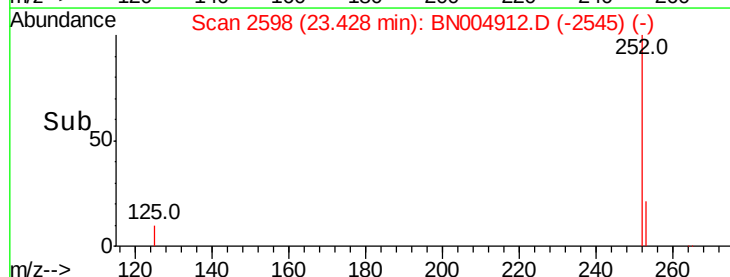
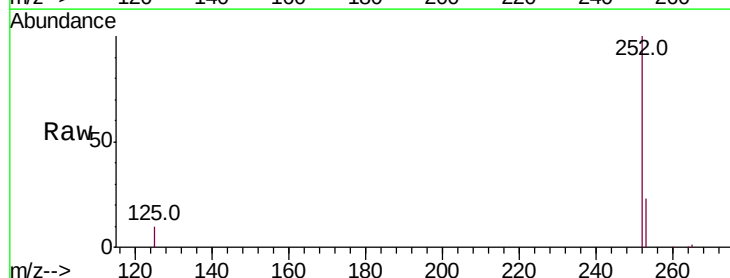
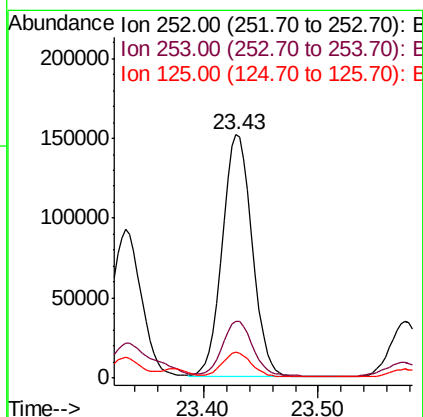
RT: 23.43 min Scan# 2598

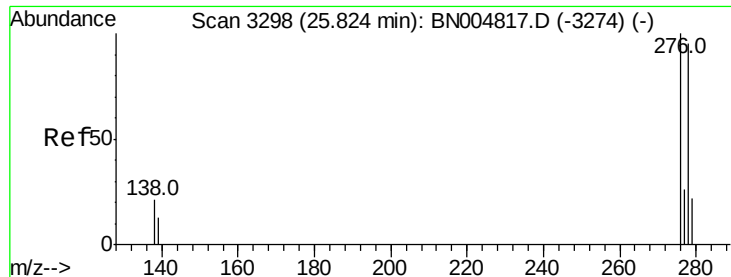
Delta R.T. -0.02 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Tgt Ion:	252	Resp:	276929
Ion Ratio	Lower	Upper	
252	100		
253	23.5	19.7	29.5
125	10.5	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.683 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.03 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Instrument :

BNA_N

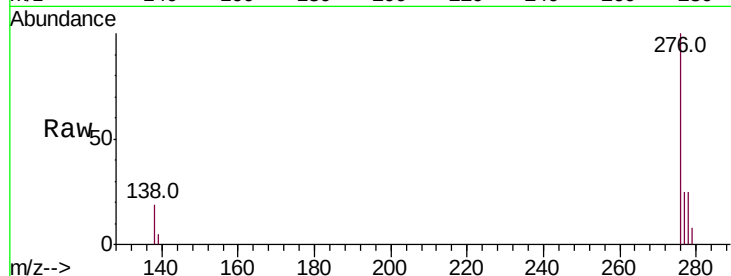
ClientSampleId :

EXT-027-SW015-030719

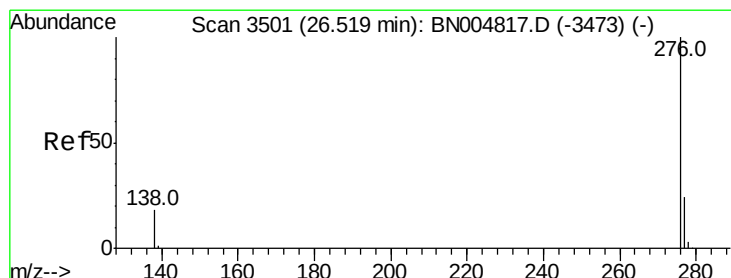
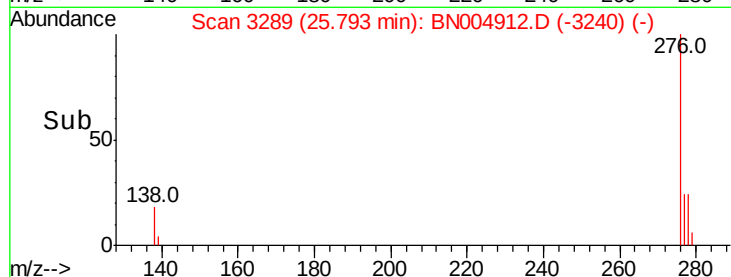
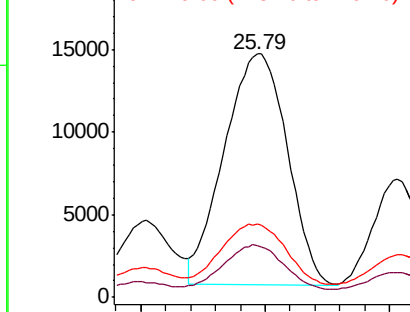
Tot Ion:	278	Resp:	49282
Ion Ratio	Lower	Upper	
278	100		
139	21.0	11.7	17.5#
279	30.0	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:03 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 1.914 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004912.D

Acq: 23 Mar 2019 07:23

Tgt Ion:	276	Resp:	140742
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.7	29.5
138	19.7	14.6	22.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

