

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
 Data File : BN004922.D
 Acq On : 23 Mar 2019 16:08
 Operator : JU/SJ
 Sample : K1817-08DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW007-030719DL

Manual Integrations
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Quant Time: Mar 24 01:39:47 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	164	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	706	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	498	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	2319	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	3764	0.40	ng	-0.01
34) Perylene-d12	23.53	264	4623	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	51	0.11	ng	0.00
5) Phenol-d6	6.87	99	74	0.13	ng	0.00
8) Nitrobenzene-d5	8.86	82	63	0.13	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	84	0.07	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	59	0.17	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	138	0.07	ng	-0.01
25) Fluoranthene-d10	19.12	212	609	0.08	ng	-0.01
29) Terphenyl-d14	19.72	244	488	0.06	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.53	128	296	0.149	ng	# 44
12) 2-Methylnaphthalene	12.14	142	201	0.137	ng	# 76
16) Acenaphthylene	14.05	152	1809	0.705	ng	99
17) Acenaphthene	14.40	154	627	0.373	ng	96
18) Fluorene	15.39	166	1032	0.440	ng	96
23) Phenanthrene	17.12	178	27791	3.711	ng	99
24) Anthracene	17.22	178	6237	0.933	ng	# 90
26) Fluoranthene	19.15	202	42491	4.416	ng	99
28) Pyrene	19.51	202	35911	3.129	ng	# 94
30) Benzo(a)anthracene	21.27	228	24242	1.964	ng	97
31) Chrysene	21.32	228	20585m	1.583	ng	
32) Bis(2-ethylhexyl)phthalate	21.17	149	354	0.072	ng	# 93
33) Indeno(1,2,3-cd)pyrene	25.79	276	13600	0.723	ng	99
35) Benzo(b)fluoranthene	22.85	252	26087	1.560	ng	# 94
36) Benzo(k)fluoranthene	22.90	252	9843m	0.598	ng	
37) Benzo(a)pyrene	23.43	252	20293	1.323	ng	95
38) Dibenzo(a,h)anthracene	25.80	278	4431	0.249	ng	# 70
39) Benzo(a,h,i)perylene	26.49	276	12497	0.690	ng	# 95

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

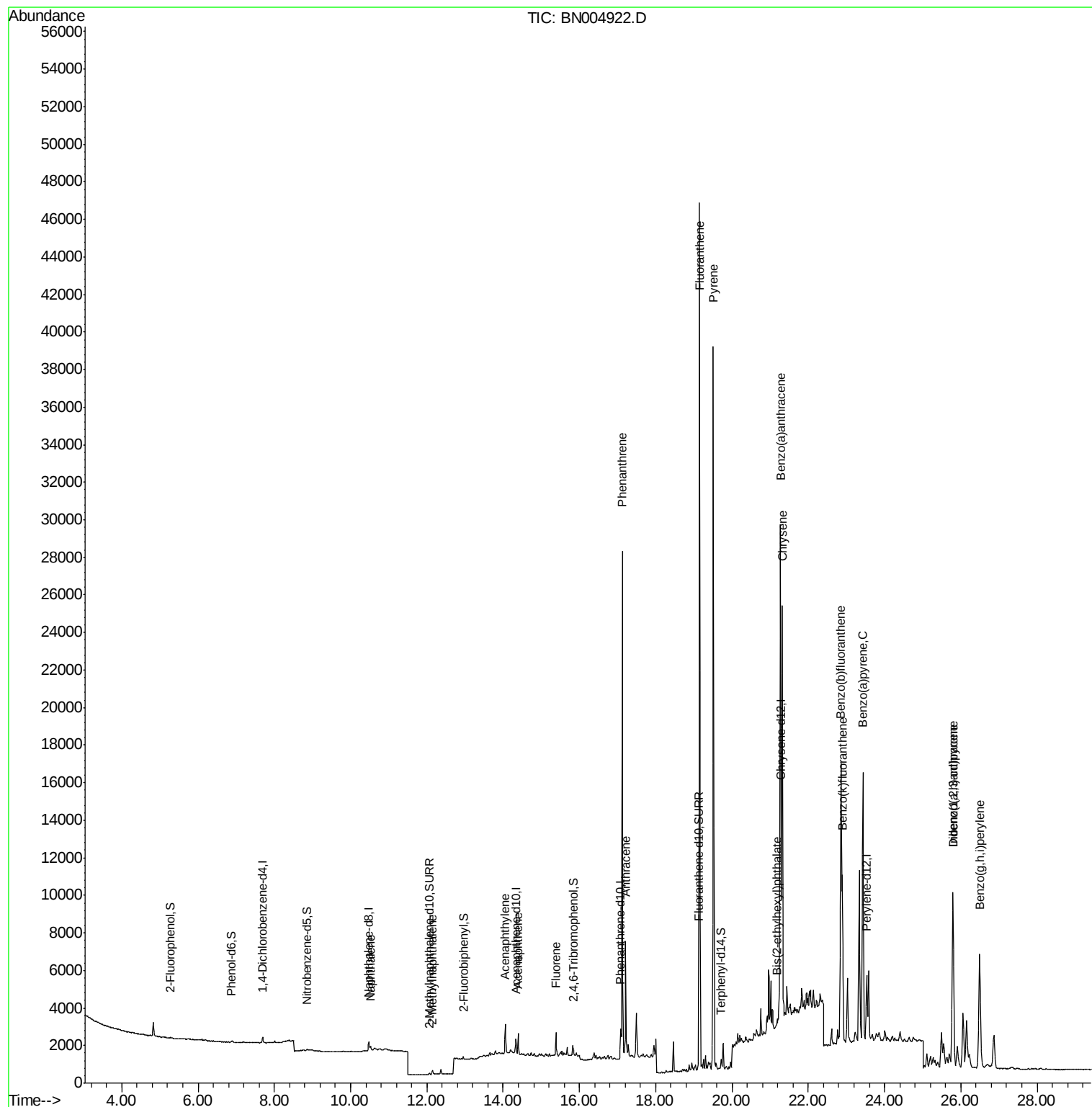
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
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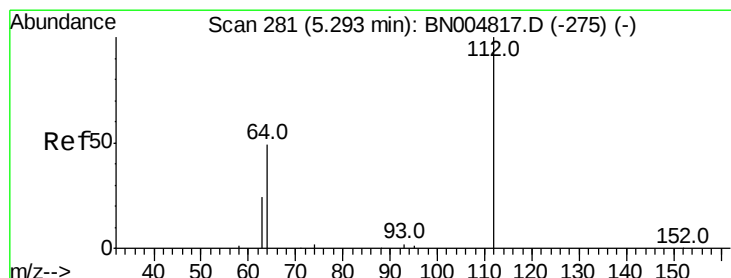
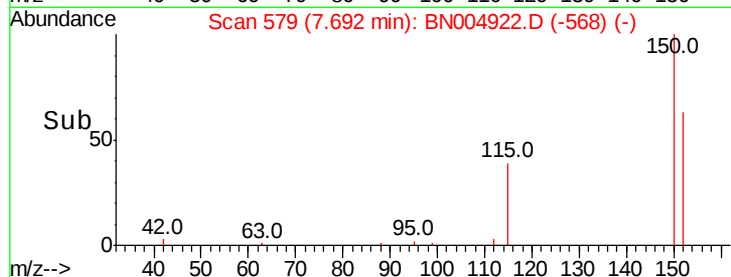
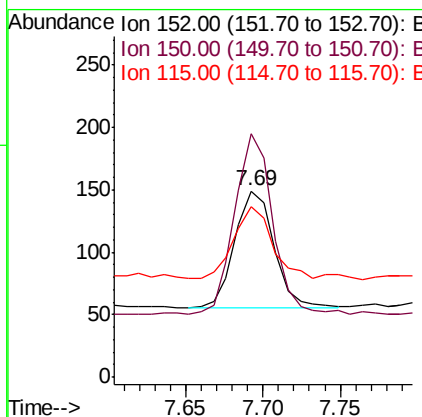
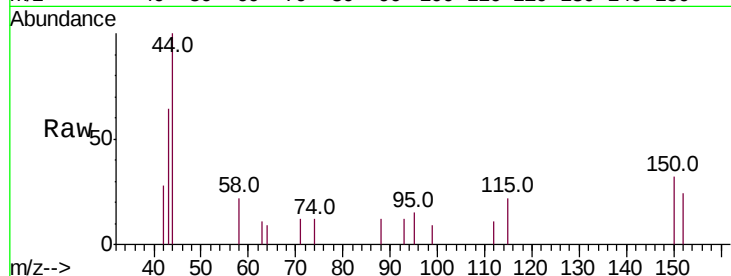
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.69 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BN004922.D
 Acq: 23 Mar 2019 16:08

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW007-030719DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	130.9	126.2	189.4
115	91.9	52.6	79.0#

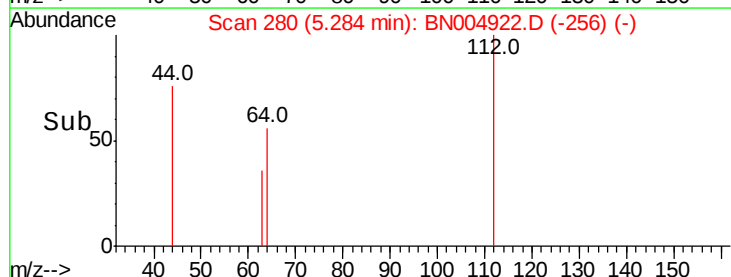
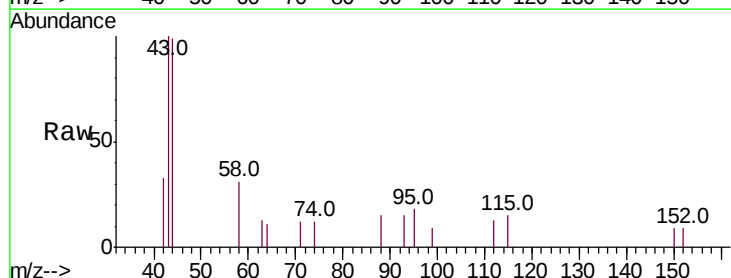
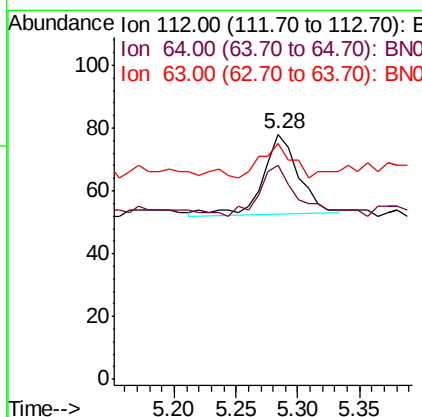
Manual Integrations
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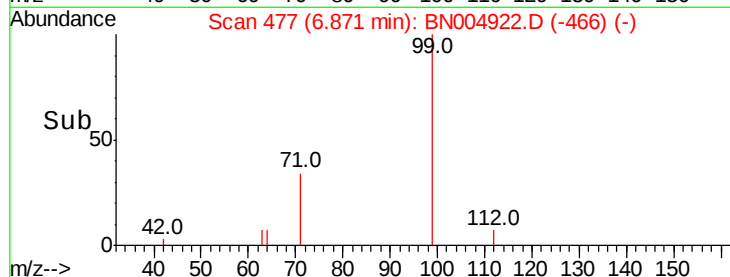
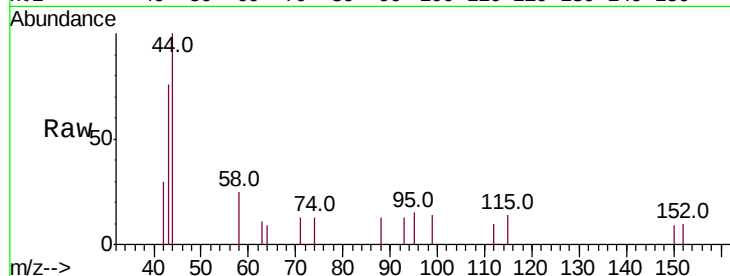
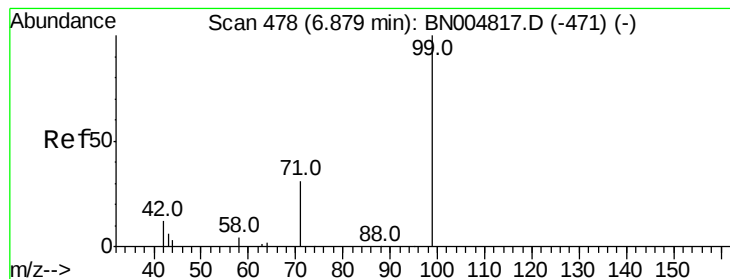
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#4
 2-Fluorophenol
 Concen: 0.114 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004922.D
 Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	40.0	60.0#
63	39.2	20.2	30.2#





#5

Phenol-d6

Concen: 0.133 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Tot Ion:	99	Resp:	74
Ion Ratio	Lower	Upper	
99	100		
42	29.7	12.7	19.1#
71	25.7	26.6	40.0#

Instrument :

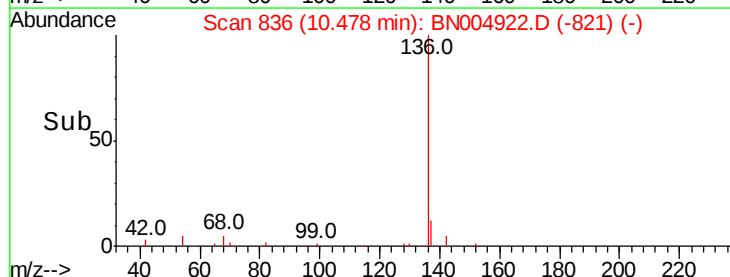
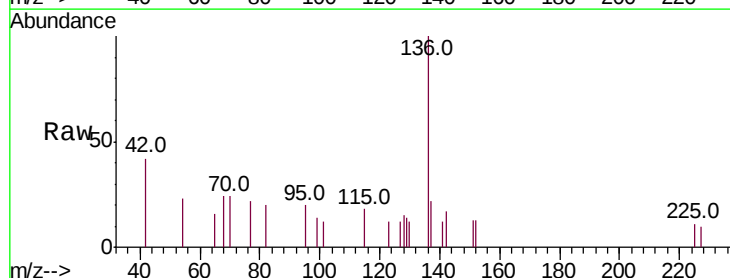
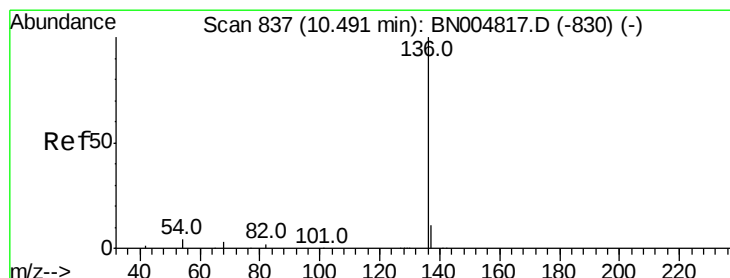
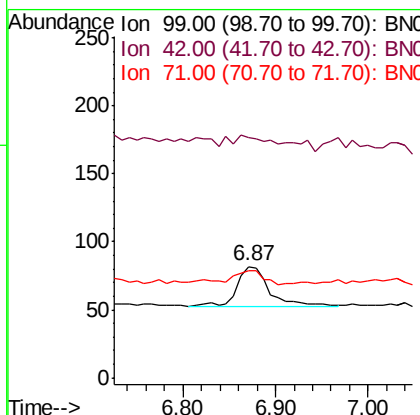
BNA_N

ClientSampleId :

EXT-027-SW007-030719DL

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#7

Naphthalene-d8

Concen: 0.400 ng

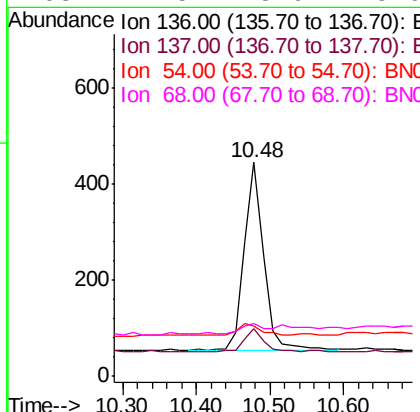
RT: 10.48 min Scan# 836

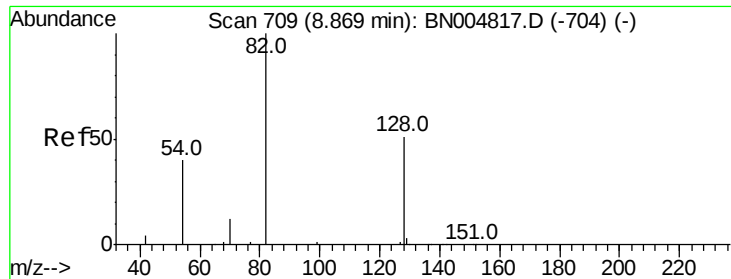
Delta R.T. -0.01 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Tgt Ion:	136	Resp:	706
Ion Ratio	Lower	Upper	
136	100		
137	22.0	9.6	14.4#
54	23.4	4.2	6.2#
68	24.5	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.135 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Instrument :

BNA_N

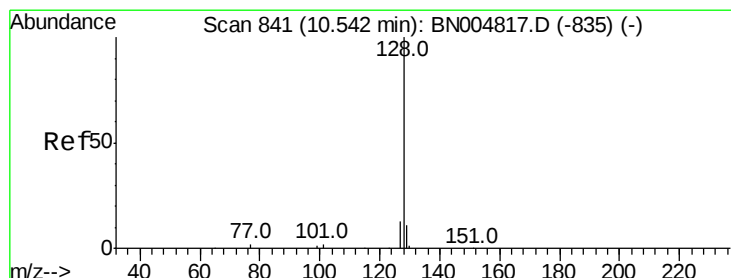
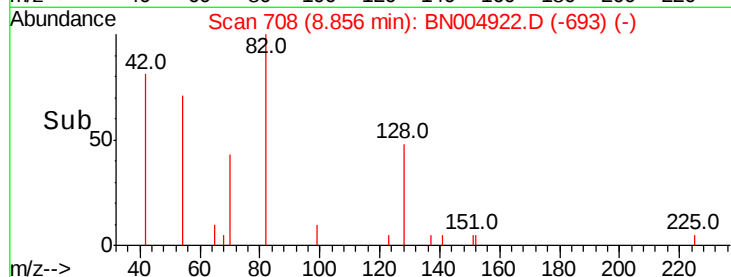
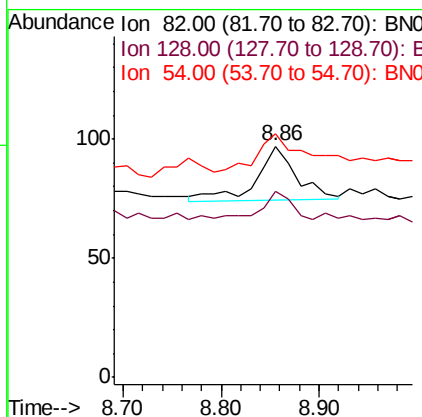
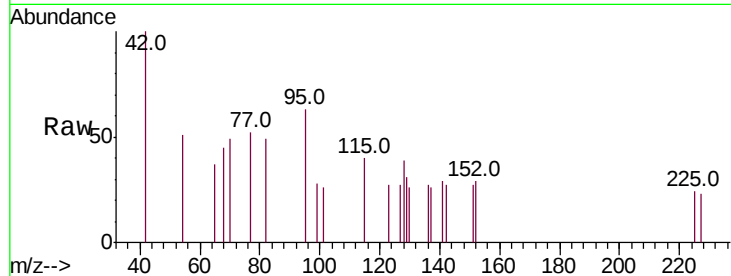
ClientSampleId :

EXT-027-SW007-030719DL

Tot Ion:	82	Resp:	63
Ion Ratio	Lower	Upper	
82	100		
128	80.4	43.0	64.6#
54	105.2	35.3	52.9#

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#9

Naphthalene

Concen: 0.149 ng

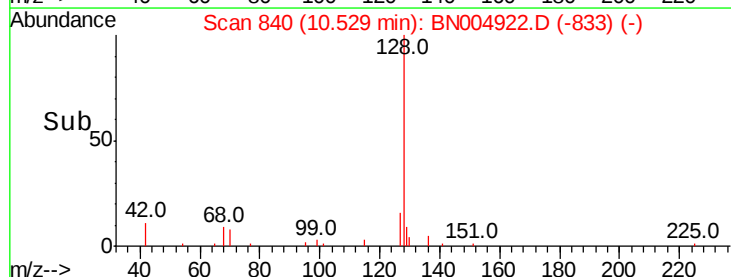
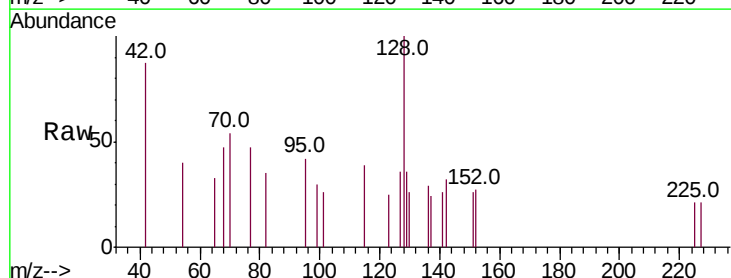
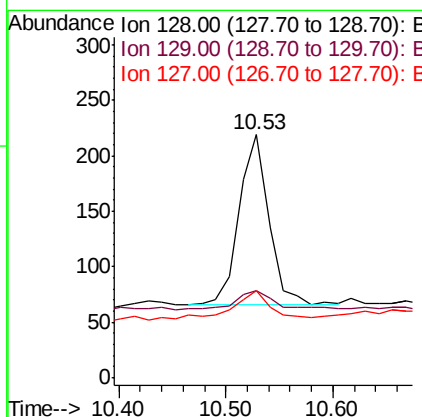
RT: 10.53 min Scan# 840

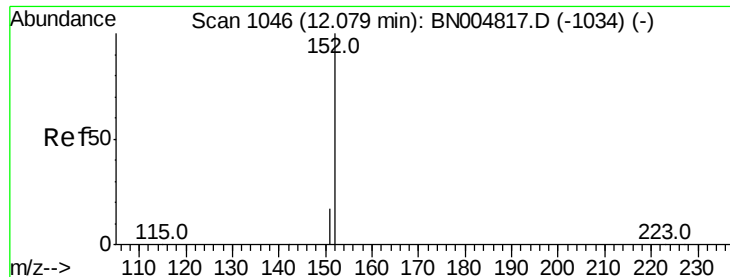
Delta R.T. -0.01 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Tgt Ion:	128	Resp:	296
Ion Ratio	Lower	Upper	
128	100		
129	35.6	9.9	14.9#
127	35.6	11.3	16.9#





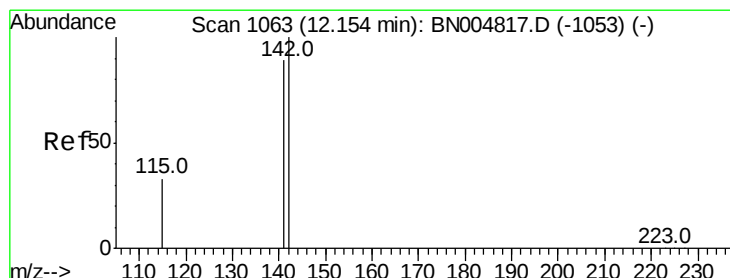
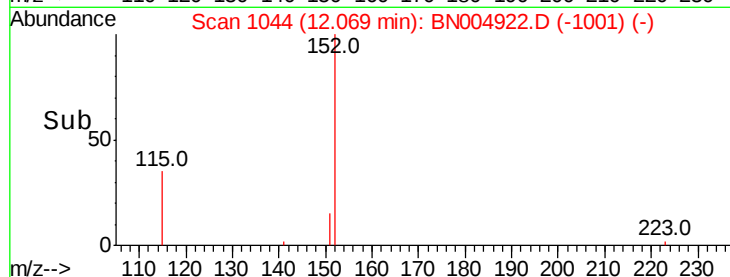
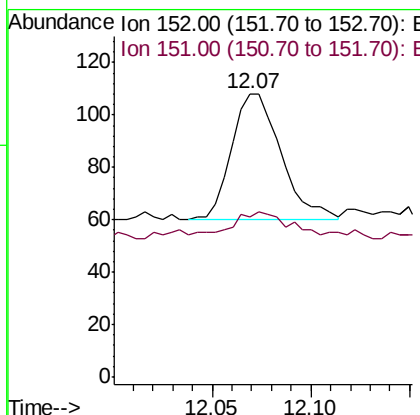
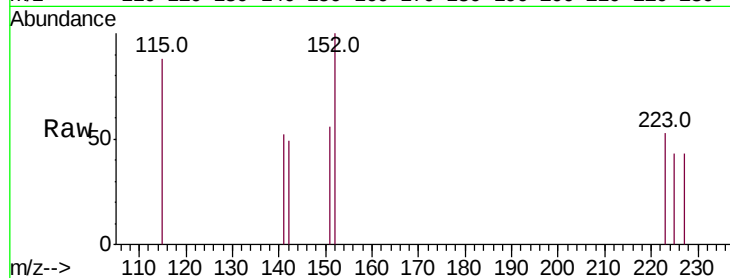
#11
 2-Methylnaphthalene-d10
 Concen: 0.068 ng
 RT: 12.07 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BN004922.D
 Acq: 23 Mar 2019 16:08

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW007-030719DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	16.7	15.5	23.3

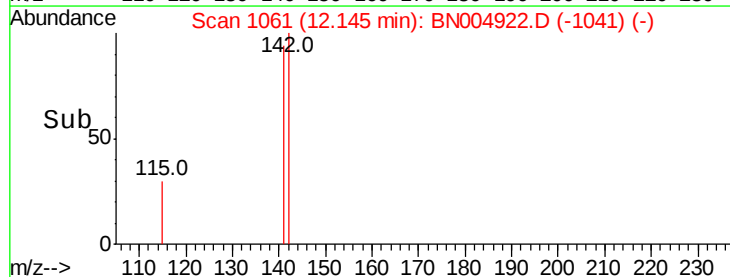
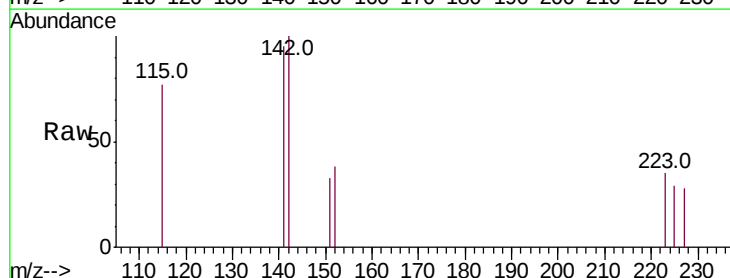
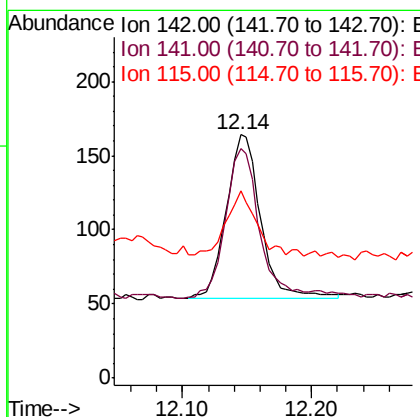
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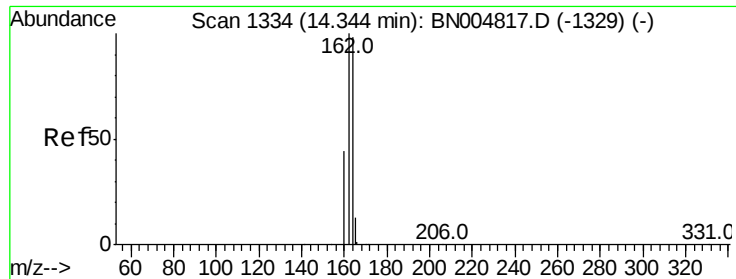
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#12
 2-Methylnaphthalene
 Concen: 0.137 ng
 RT: 12.14 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BN004922.D
 Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	71.4	107.2
115	76.8	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: BN004922.D

Acq: 23 Mar 2019 16:08

Instrument :

BNA_N

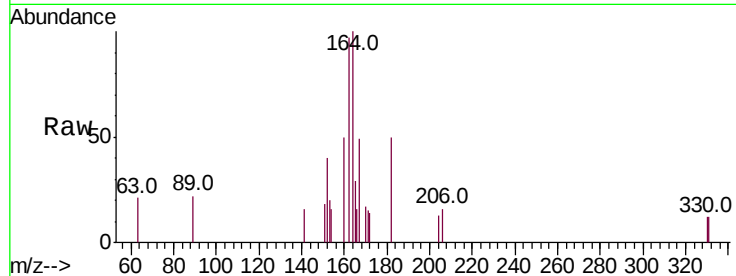
ClientSampleId :

EXT-027-SW007-030719DL

Tot Ion:	164	Resp:	498
Ion Ratio	Lower	Upper	
164	100		
162	96.7	81.9	122.9
160	50.4	36.6	54.8

Manual Integrations
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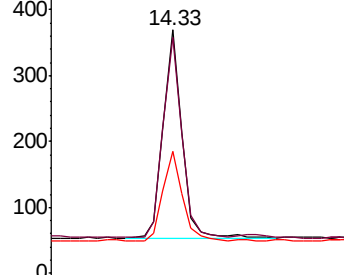
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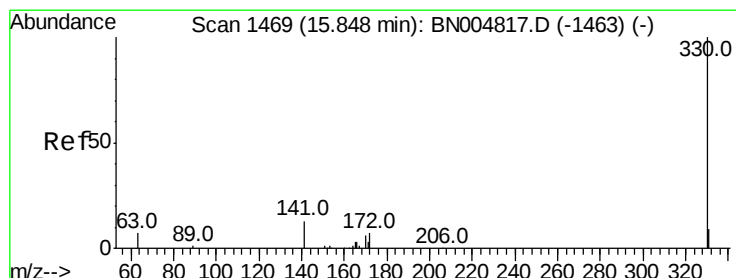
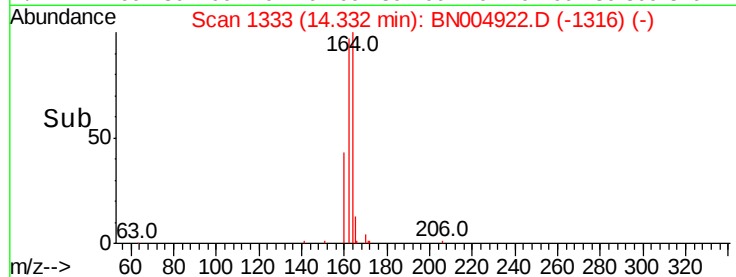
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.172 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004922.D

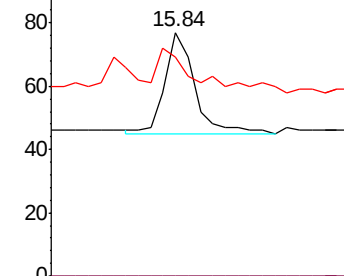
Acq: 23 Mar 2019 16:08

Tgt Ion:	330	Resp:	59
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	44.1	20.9	31.3#

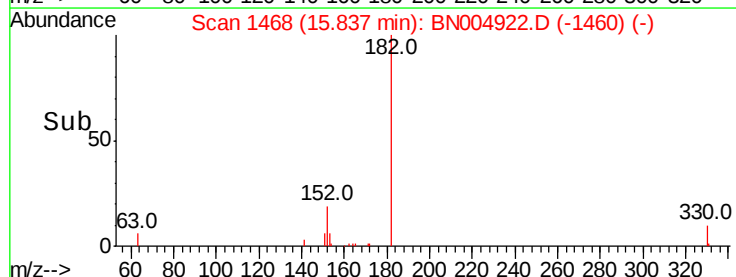
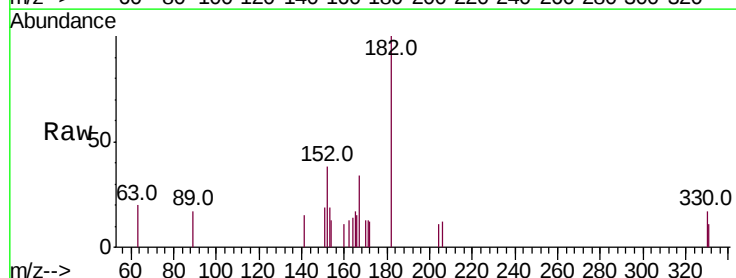
Abundance Ion 330.00 (329.70 to 330.70): E

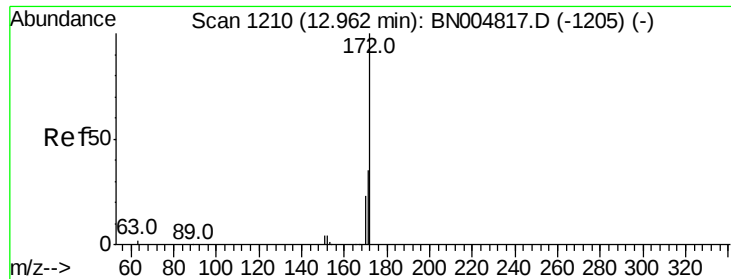
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





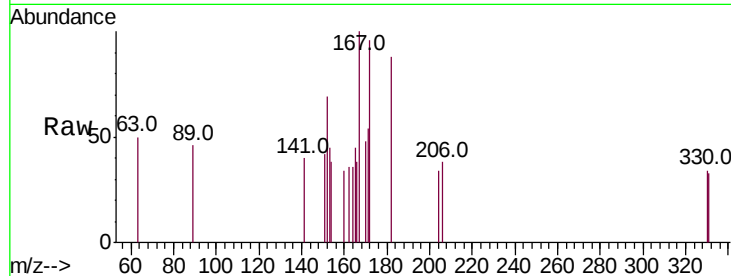
#15
2-Fluorobiphenyl
Concen: 0.067 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	56.1	28.7	43.1#
170	50.0	18.7	28.1#

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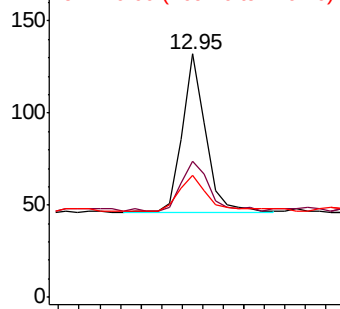


Abundance

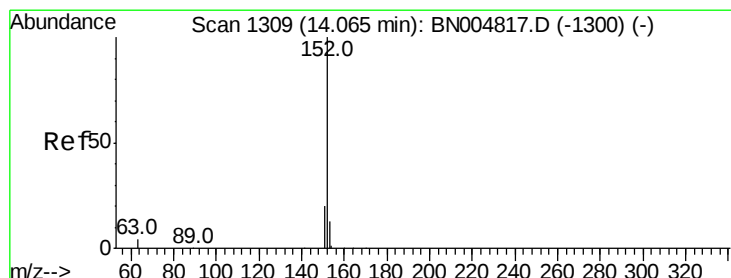
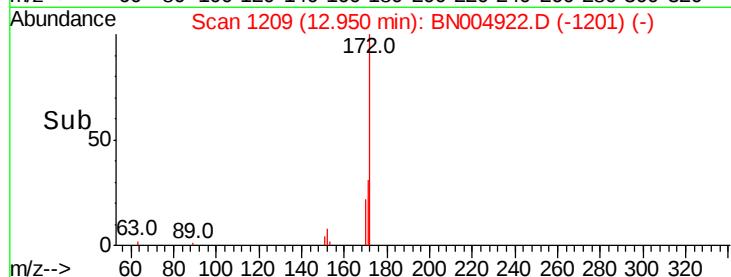
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

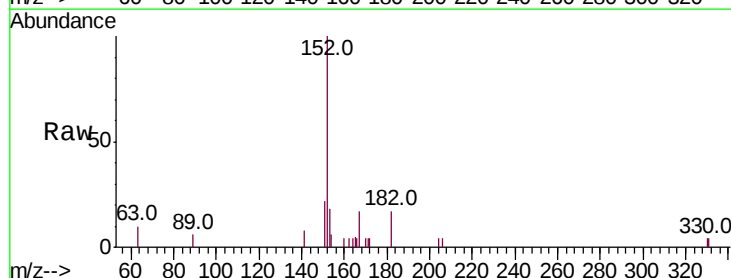


Time-->



#16
Acenaphthylene
Concen: 0.705 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	14.5	10.5	15.7

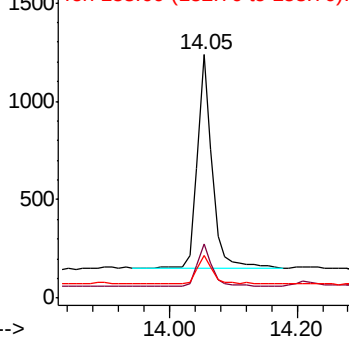


Abundance

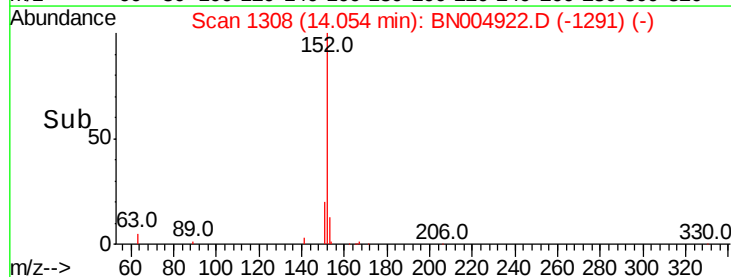
Ion 152.00 (151.70 to 152.70): E

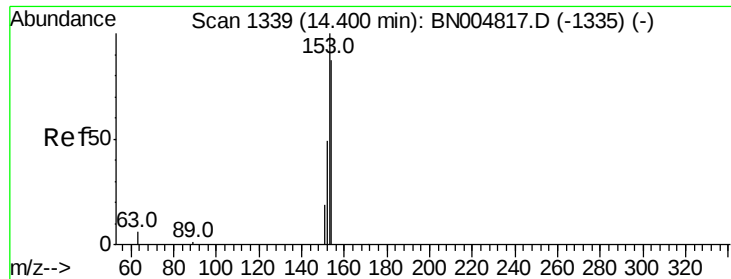
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->





#17

Acenaphthene

Concen: 0.373 ng

RT: 14.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Instrument :

BNA_N

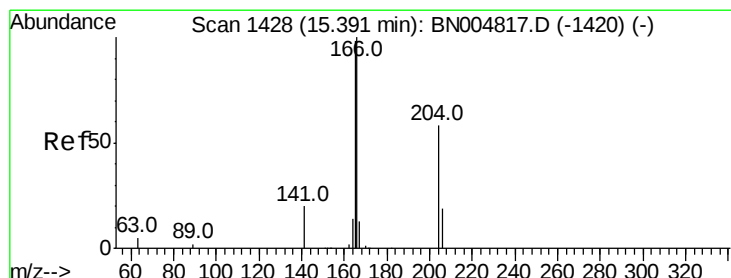
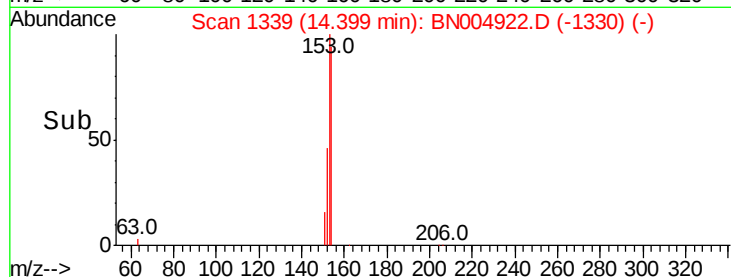
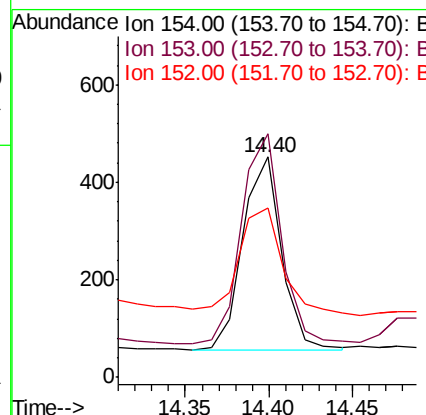
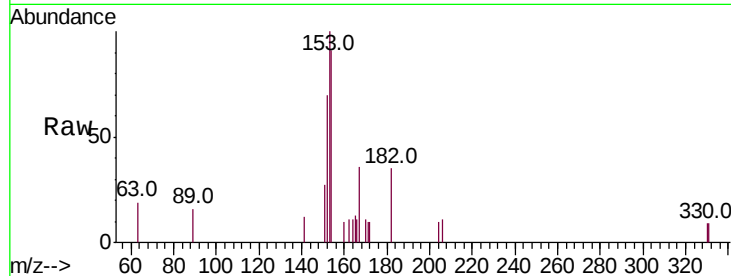
ClientSampleId :

EXT-027-SW007-030719DL

Tot Ion:	154	Resp:	627
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.4	137.2
152	63.3	44.2	66.2

Manual Integrations
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#18

Fluorene

Concen: 0.440 ng

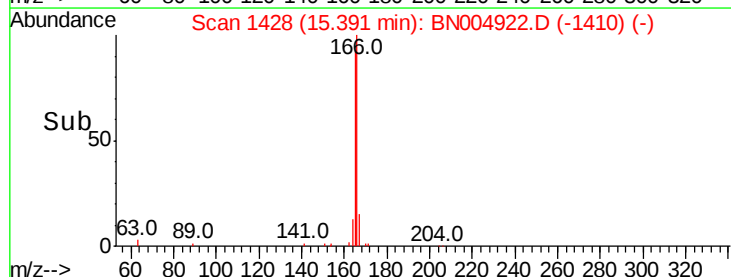
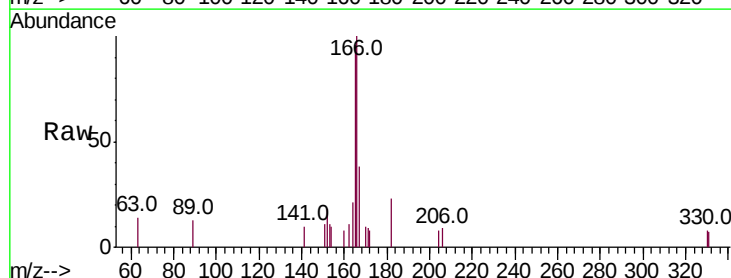
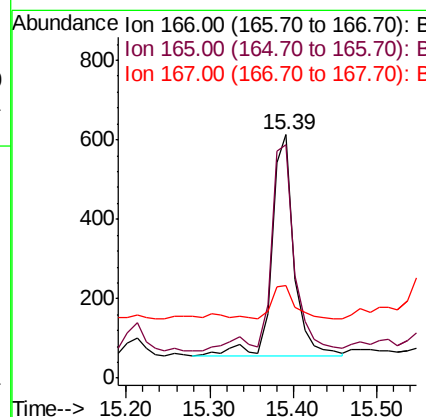
RT: 15.39 min Scan# 1428

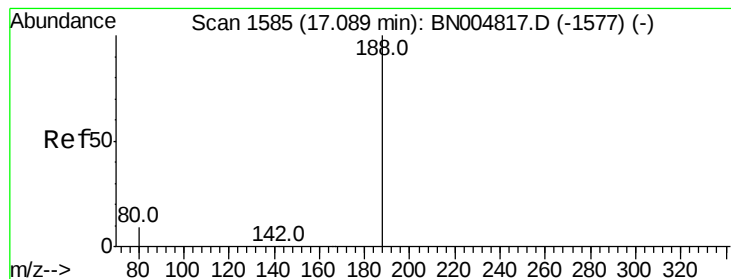
Delta R.T. -0.00 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Tgt Ion:	166	Resp:	1032
Ion Ratio	Lower	Upper	
166	100		
165	101.8	78.2	117.4
167	16.2	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: BN004922.D

Acq: 23 Mar 2019 16:08

Instrument :

BNA_N

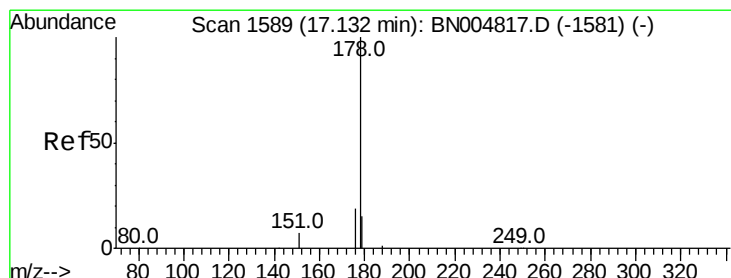
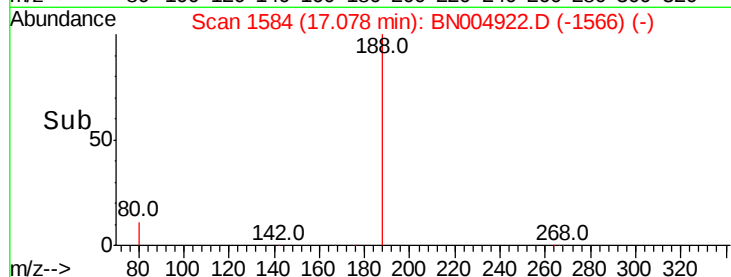
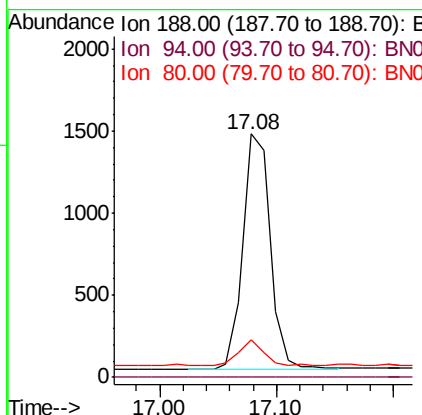
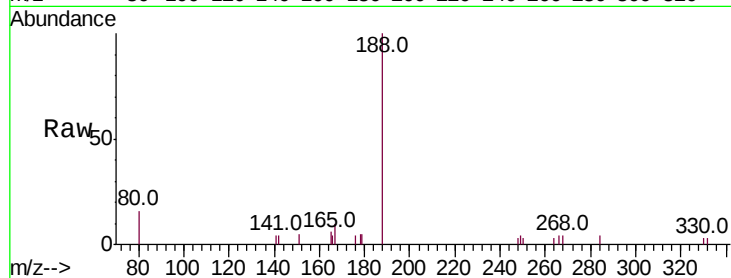
ClientSampleId :

EXT-027-SW007-030719DL

Tot Ion:	188	Resp:	2319
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	15.6	7.4	11.2#

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#23

Phenanthrene

Concen: 3.711 ng

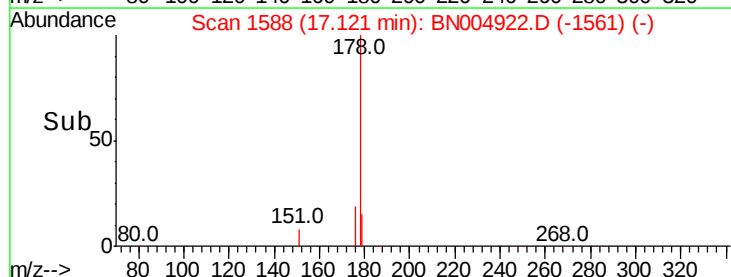
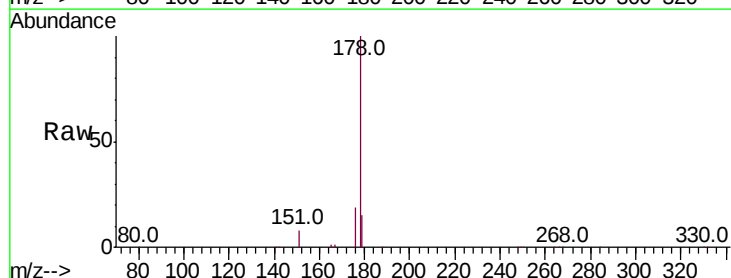
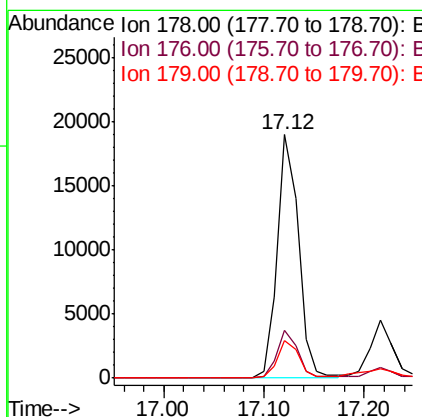
RT: 17.12 min Scan# 1588

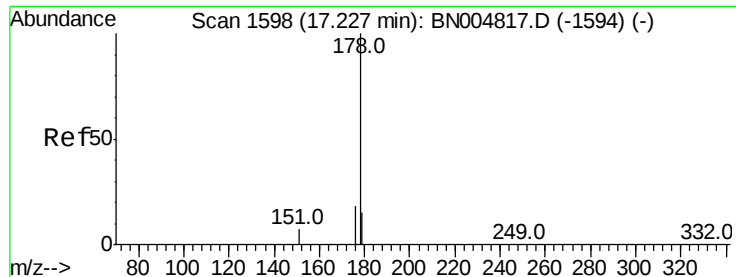
Delta R.T. -0.01 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Tgt Ion:	178	Resp:	27791
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.9	22.3
179	15.3	12.1	18.1





#24

Anthracene

Concen: 0.933 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Instrument :

BNA_N

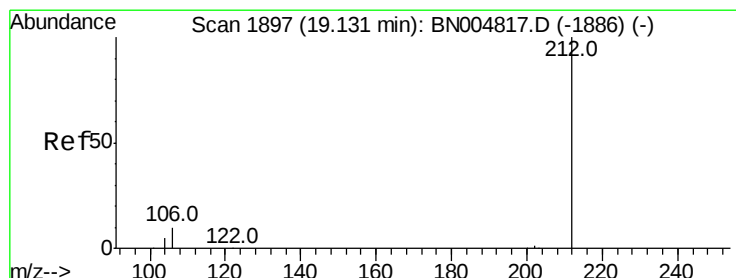
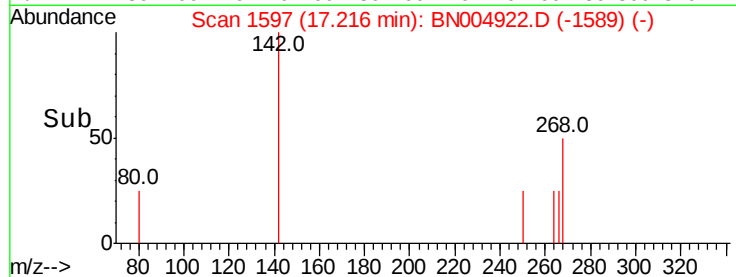
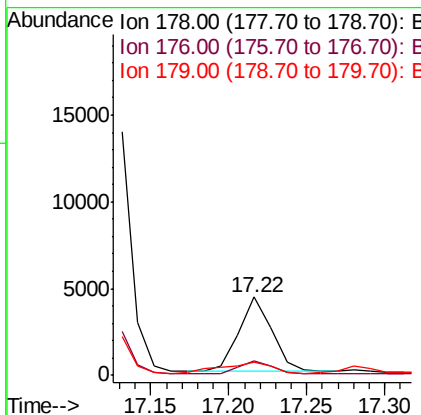
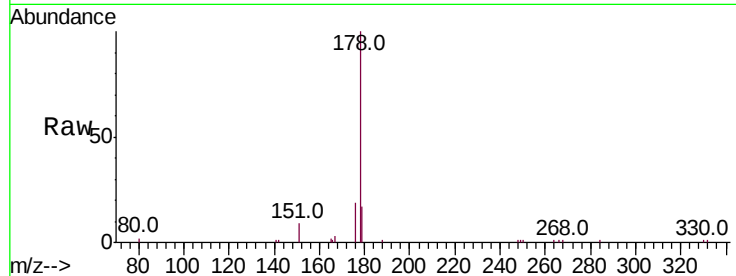
ClientSampleId :

EXT-027-SW007-030719DL

Tot Ion:	178	Resp:	6237
Ion Ratio	Lower	Upper	
178	100		
176	19.8	14.5	21.7
179	22.5	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.078 ng

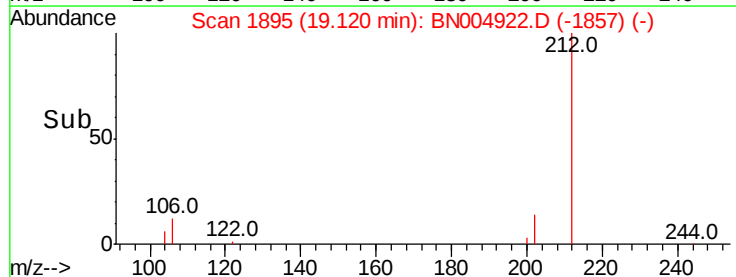
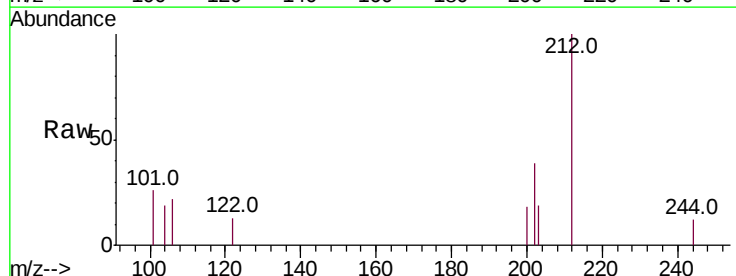
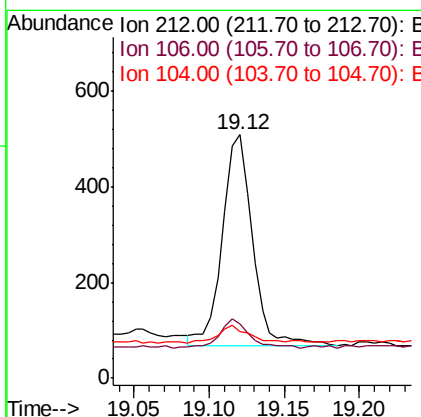
RT: 19.12 min Scan# 1895

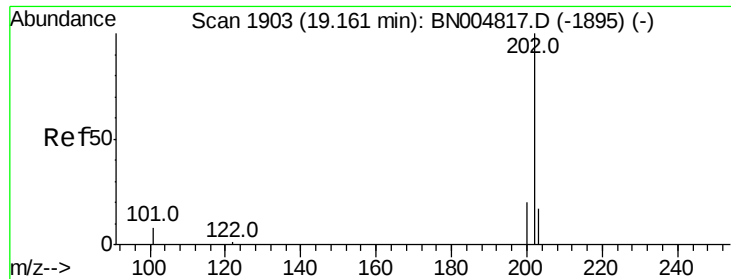
Delta R.T. -0.01 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Tgt Ion:	212	Resp:	609
Ion Ratio	Lower	Upper	
212	100		
106	13.0	8.6	13.0
104	8.4	4.7	7.1





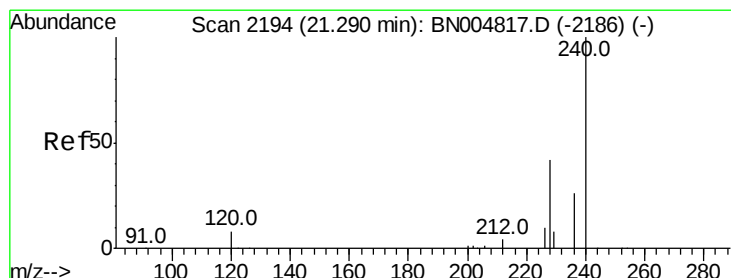
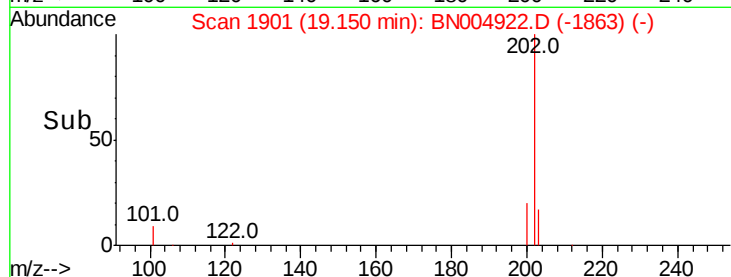
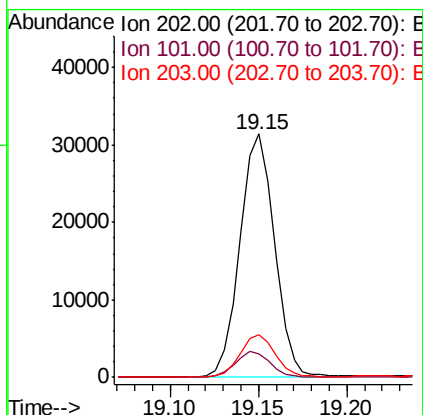
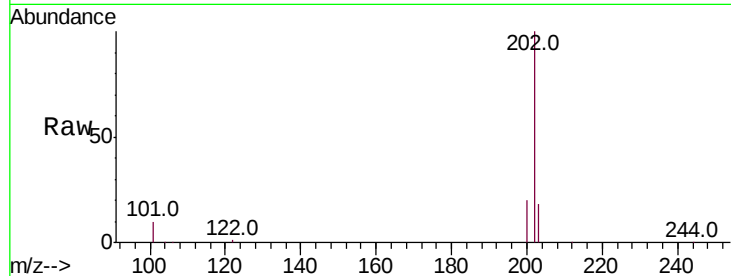
#26
Fluoranthene
Concen: 4.416 ng
RT: 19.15 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.5	11.3
203	17.4	13.8	20.6

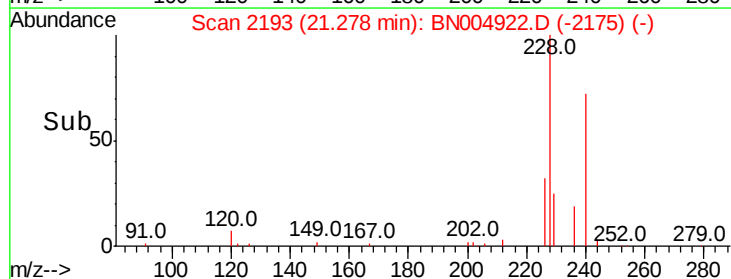
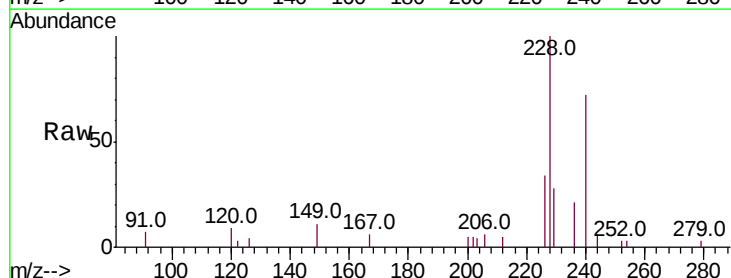
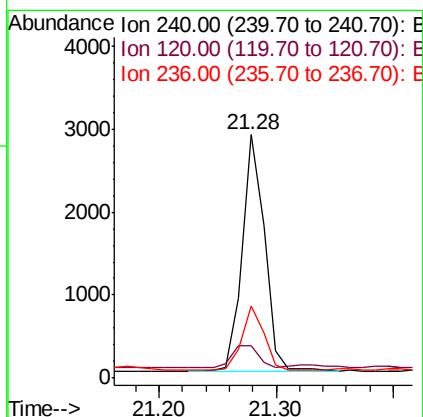
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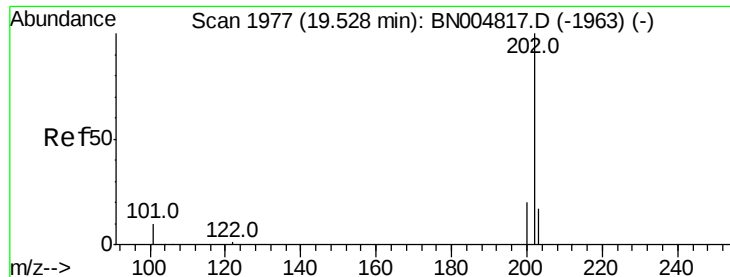
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	7.2	10.8#
236	29.4	20.9	31.3





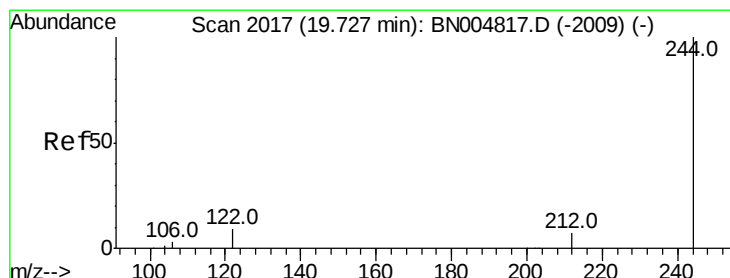
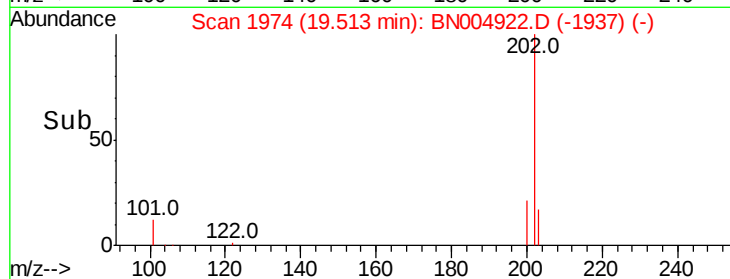
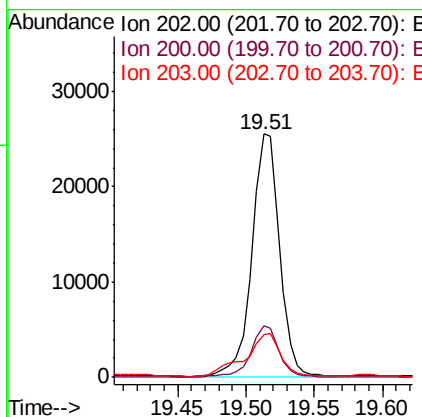
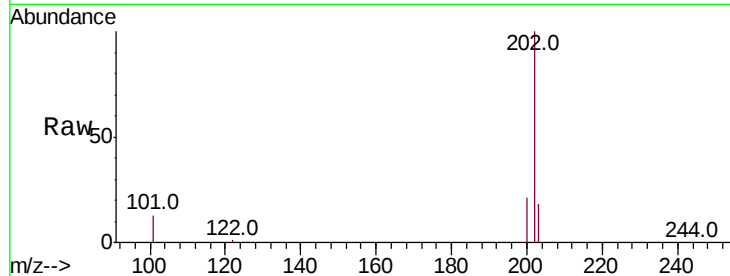
#28
Pvrene
Concen: 3.129 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	35911		
200	20.8	16.3	24.5	
203	22.6	14.0	21.0	

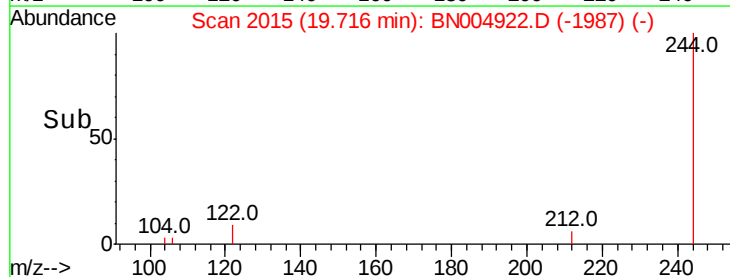
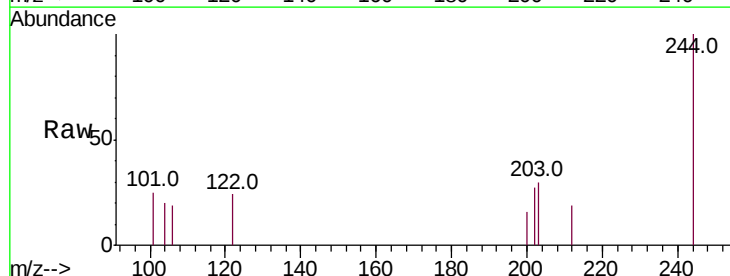
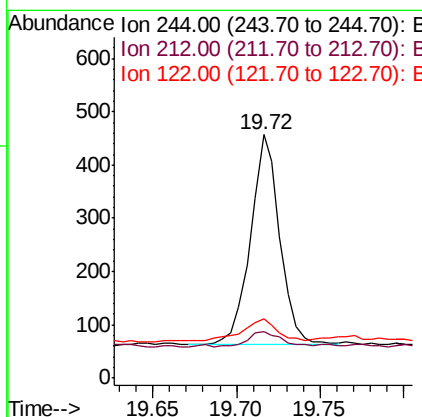
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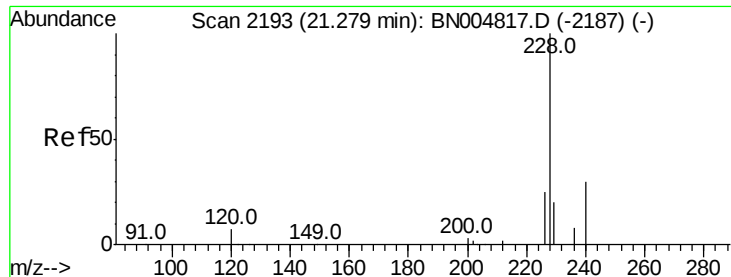
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#29
Terphenyl-d14
Concen: 0.063 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	488		
212	19.0	5.8	8.6	
122	24.3	7.9	11.9	





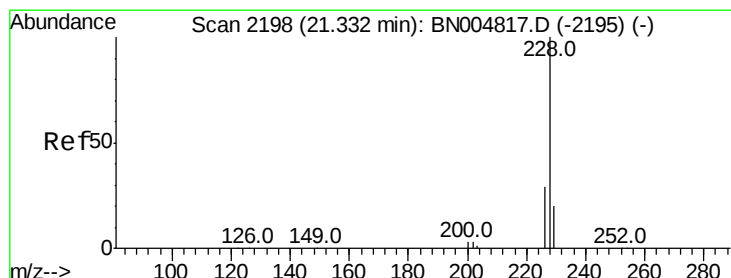
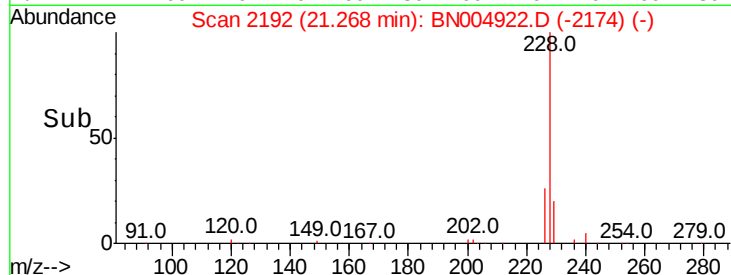
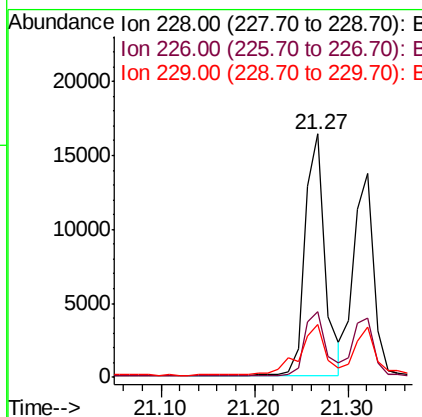
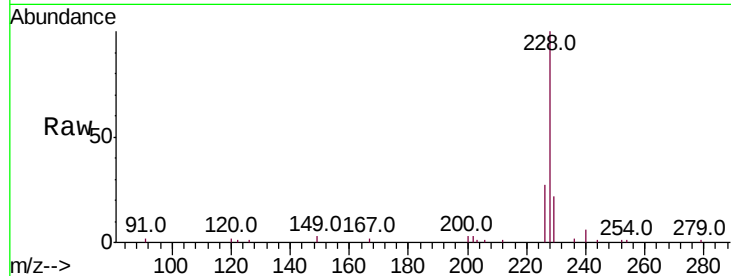
#30
Benzo(a)anthracene
Concen: 1.964 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	20.6	31.0
229	21.6	16.2	24.4

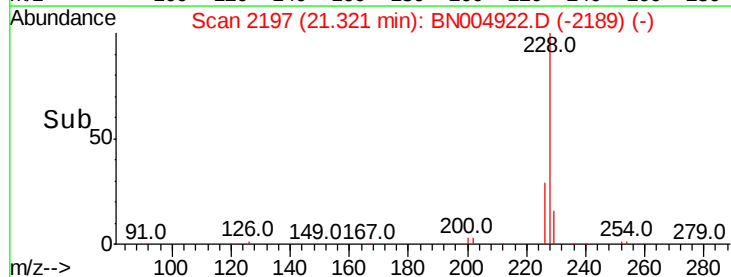
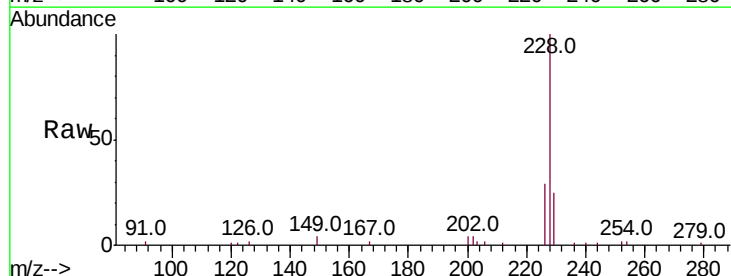
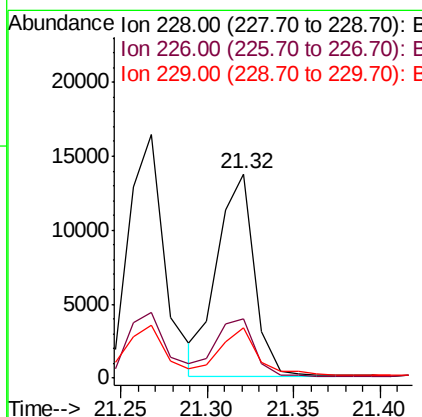
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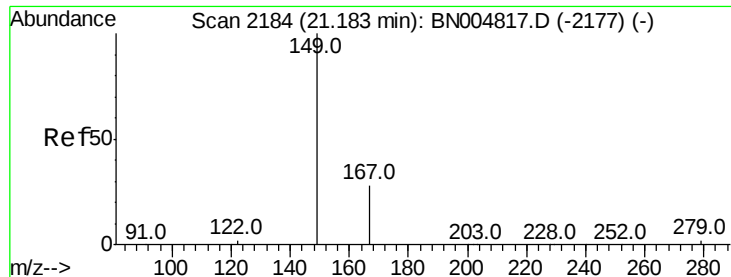
Sohil
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#31
Chrysene
Concen: 1.583 ng m
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.0	34.6
229	24.7	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.072 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Instrument :

BNA_N

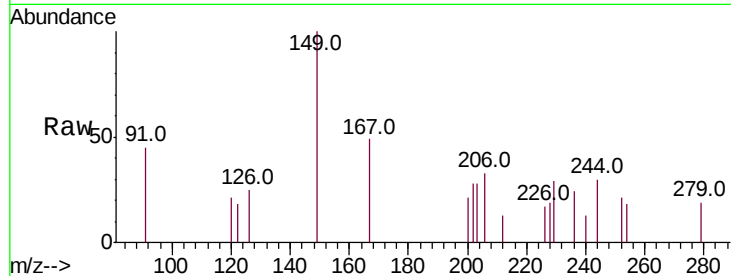
ClientSampleId :

EXT-027-SW007-030719DL

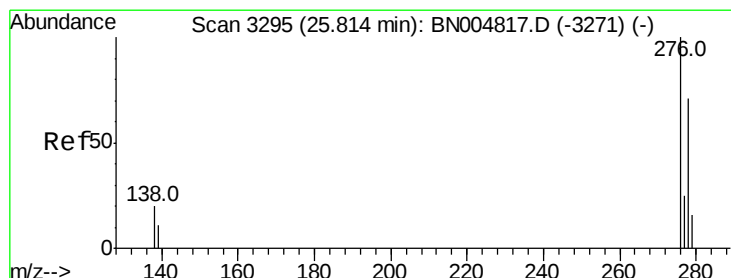
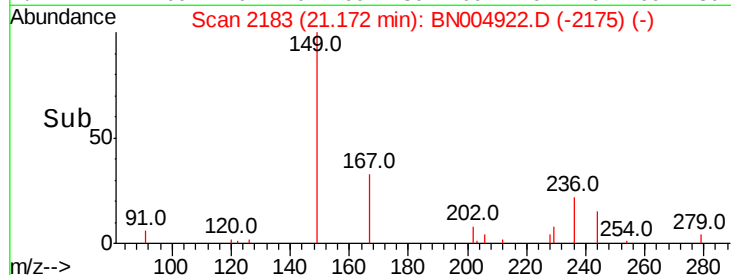
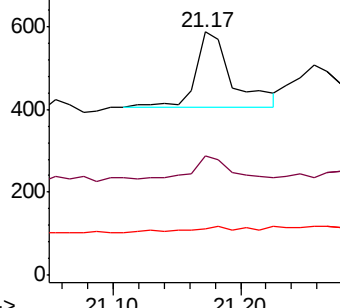
Tot Ion:	149	Resp:	354
Ion Ratio	Lower	Upper	
149	100		
167	31.9	23.0	34.4
279	8.8	4.6	6.8#

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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: 0.723 ng

RT: 25.79 min Scan# 3289

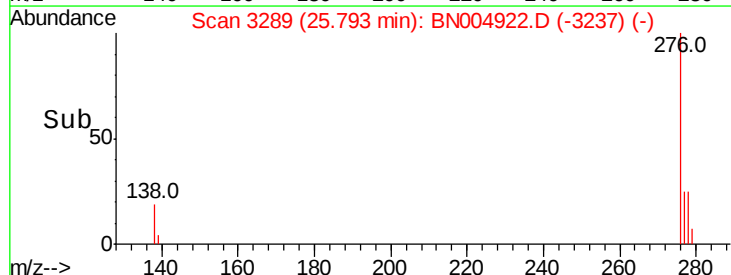
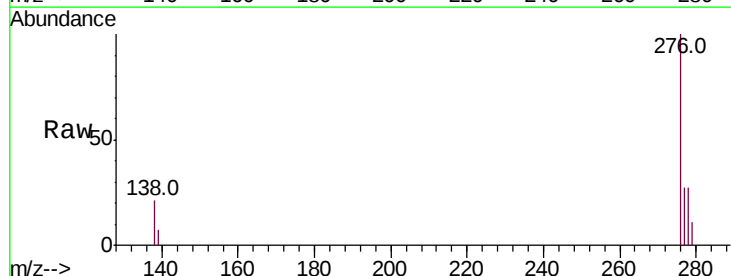
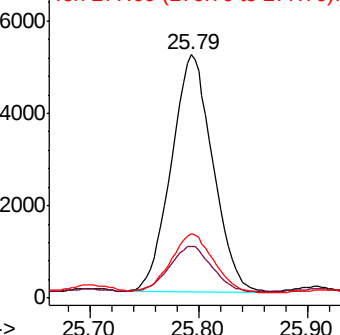
Delta R.T. -0.02 min

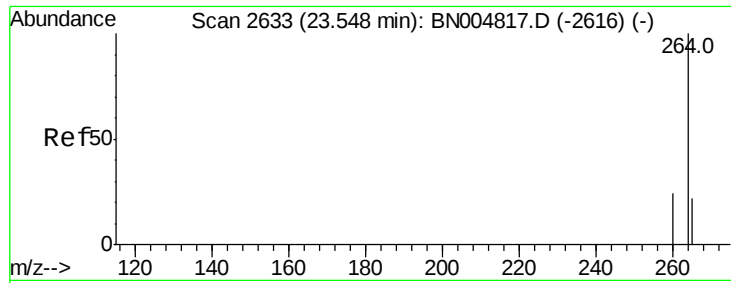
Lab File: BN004922.D

Acq: 23 Mar 2019 16:08

Tgt Ion:	276	Resp:	13600
Ion Ratio	Lower	Upper	
276	100		
138	20.0	16.6	24.8
277	25.6	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





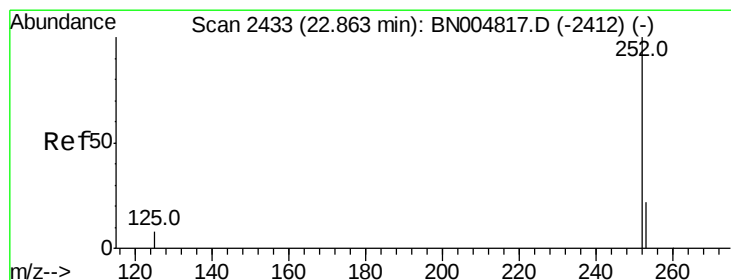
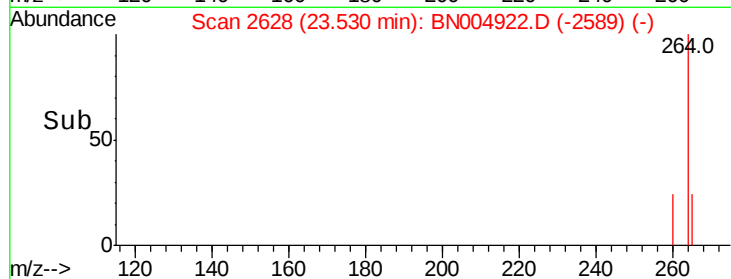
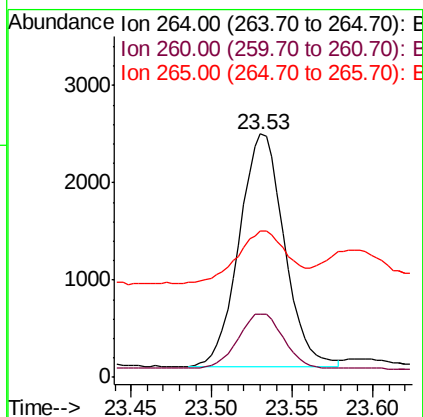
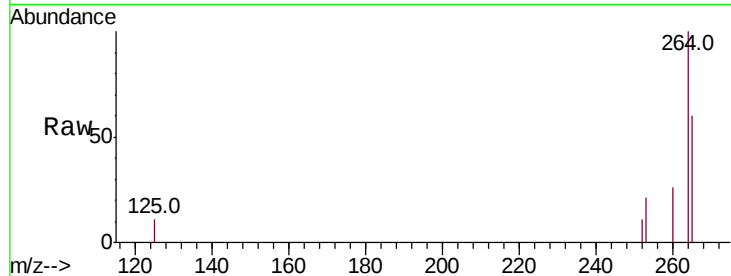
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.5	29.3
265	59.9	23.1	34.7#

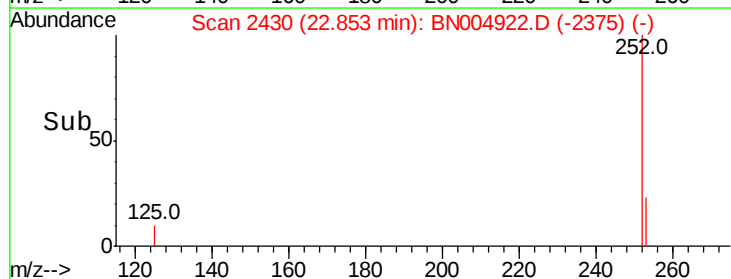
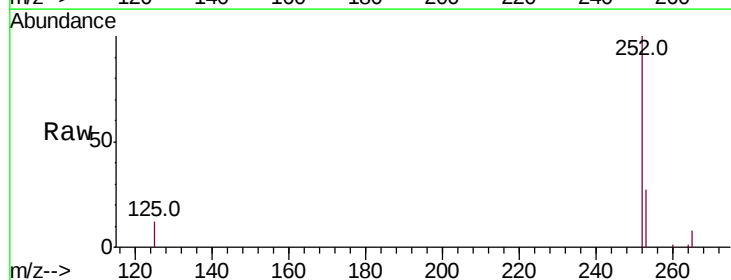
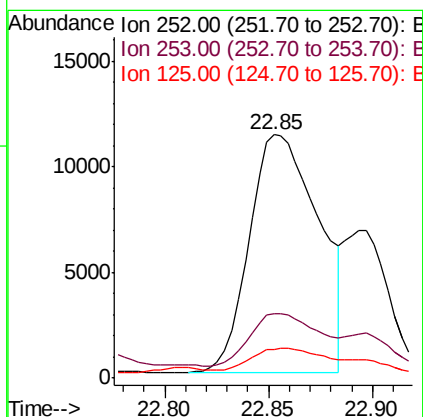
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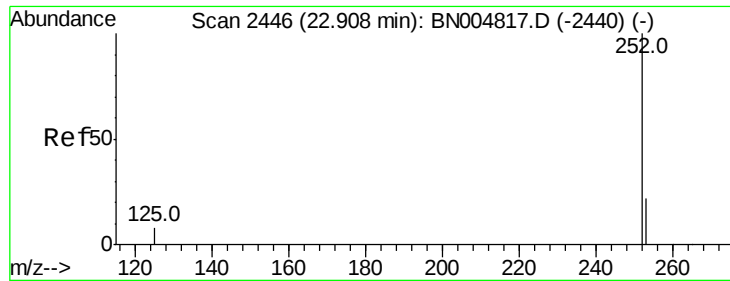
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#35
Benzo(b)fluoranthene
Concen: 1.560 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.0	28.4
125	11.8	7.4	11.2#





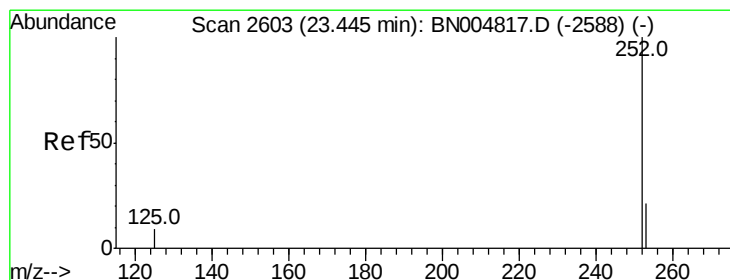
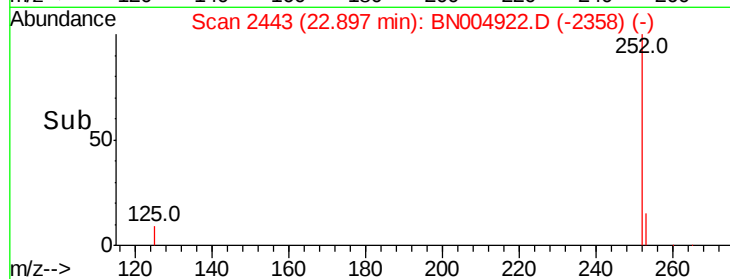
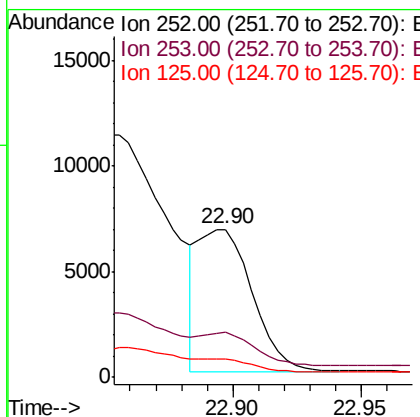
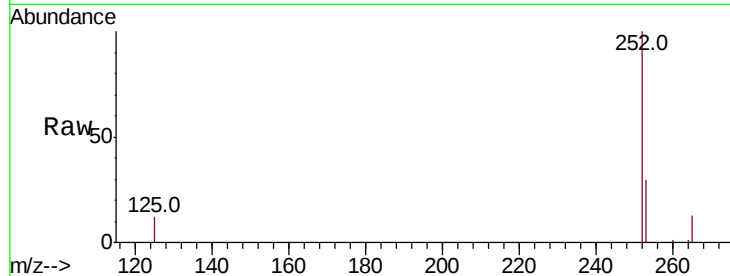
#36
Benzo(k)fluoranthene
Concen: 0.598 ng m
RT: 22.90 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

Tot Ion:252 Resp: 9843
Ion Ratio Lower Upper
252 100
253 30.1 19.3 28.9#
125 12.5 7.4 11.0#

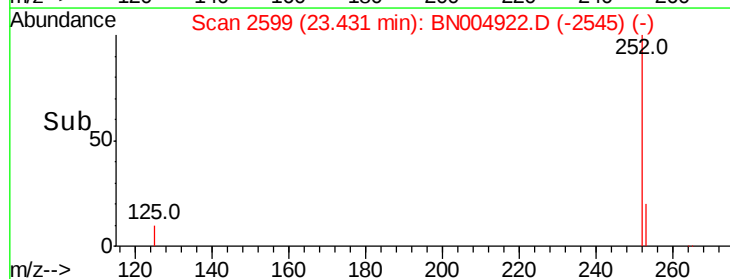
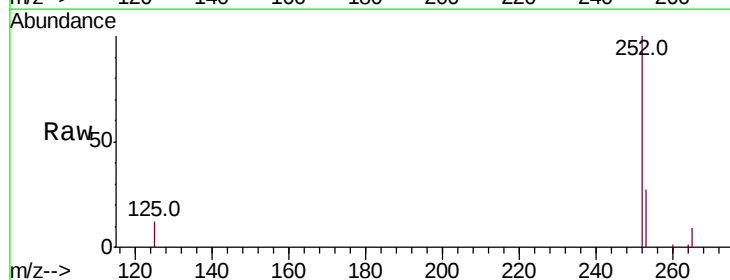
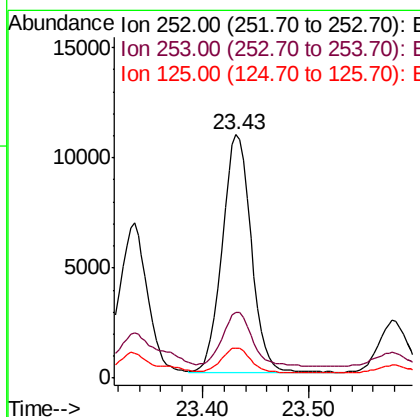
Manual Integrations
APPROVED

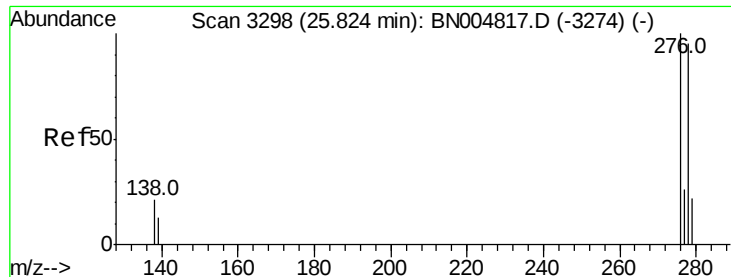
Sohil
3/25/2019 1:34:23 PM



#37
Benzo(a)pyrene
Concen: 1.323 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Tgt Ion:252 Resp: 20293
Ion Ratio Lower Upper
252 100
253 26.9 19.7 29.5
125 12.3 8.3 12.5





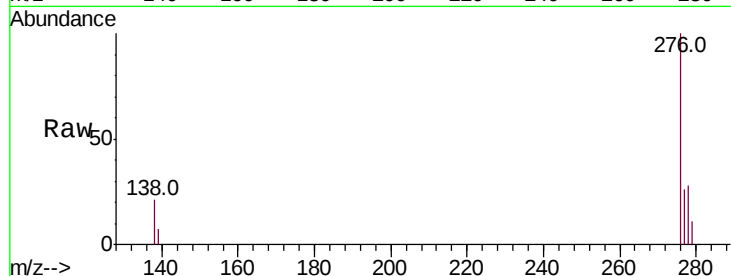
#38
Dibenzo(a,h)anthracene
Concen: 0.249 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW007-030719DL

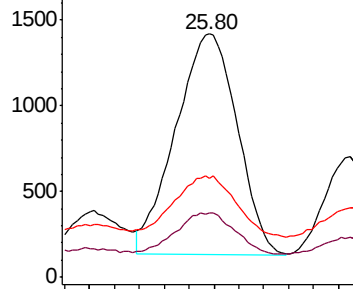
Tot Ion	Ratio	Lower	Upper
278	100		
139	26.2	11.7	17.5#
279	40.8	19.9	29.9#

Manual Integrations
APPROVED

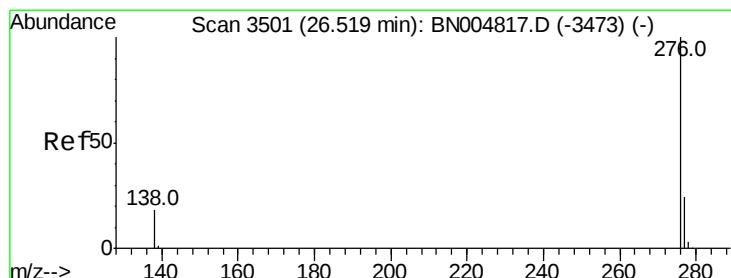
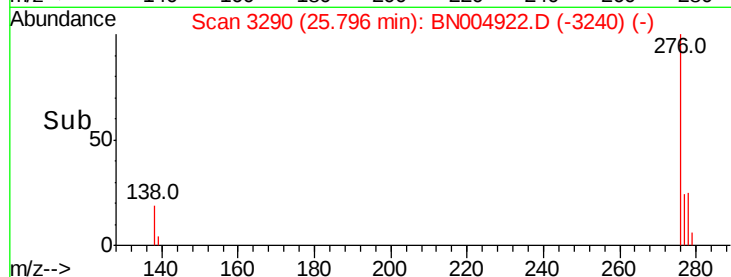
Sohil
3/25/2019 1:34:23 PM



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



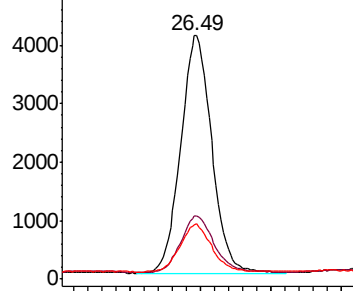
Time-->



#39
Benzo(g,h,i)perylene
Concen: 0.690 ng
RT: 26.49 min Scan# 3493
Delta R.T. -0.03 min
Lab File: BN004922.D
Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.7	29.5
138	22.4	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



Time-->

