

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004866.D
 Acq On : 22 Mar 2019 00:41
 Operator : JU/SJ
 Sample : K1817-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B115-030719

Manual Integrations
 APPROVED

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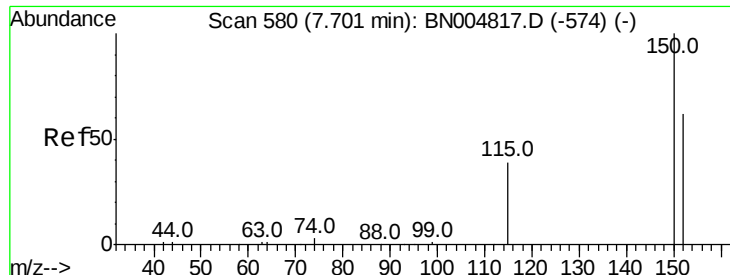
Quant Time: Mar 22 02:52:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1766	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8140	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	5356	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	14005	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19099	0.40	ng	0.00
34) Perylene-d12	23.54	264	21346	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	1835	0.38	ng	0.00
5) Phenol-d6	6.87	99	2400	0.40	ng	0.00
8) Nitrobenzene-d5	8.87	82	1669	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4282	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1059	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	6482	0.29	ng	0.00
25) Fluoranthene-d10	19.13	212	11916	0.25	ng	0.00
29) Terphenyl-d14	19.72	244	9142	0.23	ng	0.00

Target Compounds				Qvalue		
16) Acenaphthylene	14.07	152	681	0.025	ng	96
23) Phenanthrene	17.13	178	7510	0.166	ng	99
24) Anthracene	17.23	178	1317	0.033	ng	98
26) Fluoranthene	19.16	202	15353	0.264	ng	99
28) Pyrene	19.52	202	15580	0.268	ng	# 96
30) Benzo(a)anthracene	21.27	228	9340	0.149	ng	96
31) Chrysene	21.32	228	9863	0.150	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	960	0.038	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.81	276	5844	0.061	ng	97
35) Benzo(b)fluoranthene	22.86	252	11389	0.147	ng	# 86
36) Benzo(k)fluoranthene	22.90	252	4217m	0.056	ng	
37) Benzo(a)pyrene	23.44	252	9178	0.130	ng	# 88
38) Dibenzo(a,h)anthracene	25.82	278	1746	0.021	ng	# 46
39) Benzo(g,h,i)perylene	26.51	276	5583	0.067	ng	# 92

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



#1

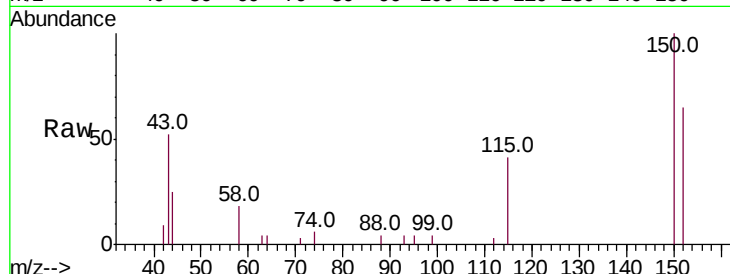
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.4
115	62.9	52.6	79.0

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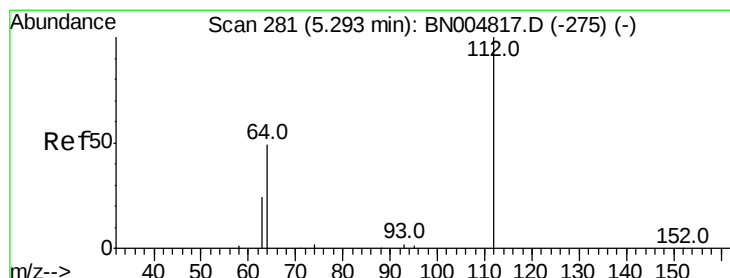
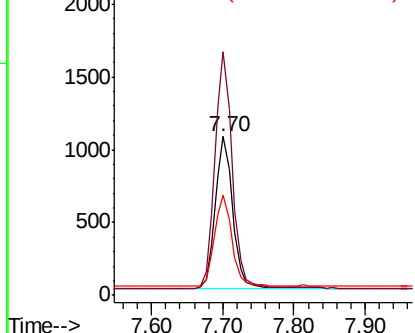
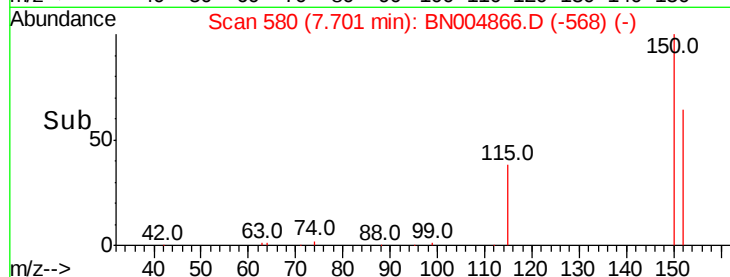


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

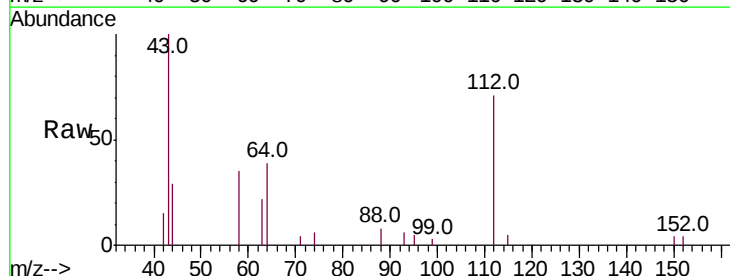
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.382 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.5	40.0	60.0
63	26.5	20.2	30.2

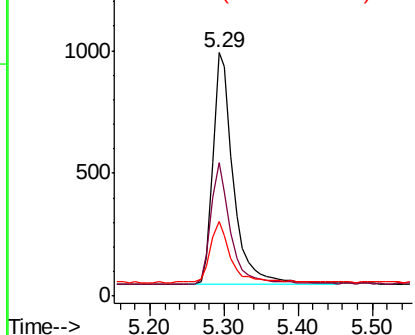
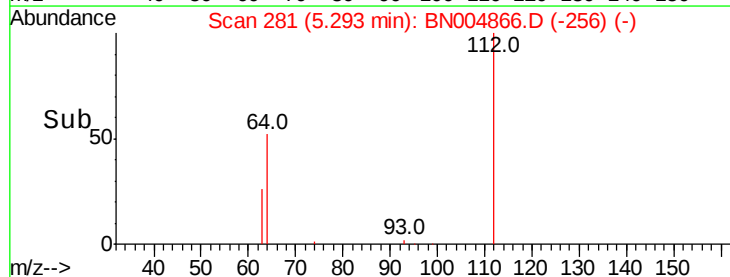


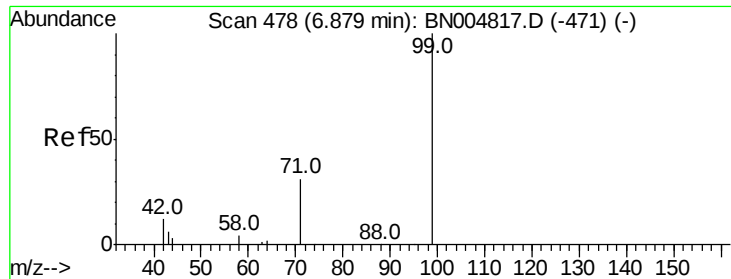
Abundance

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: 0.402 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

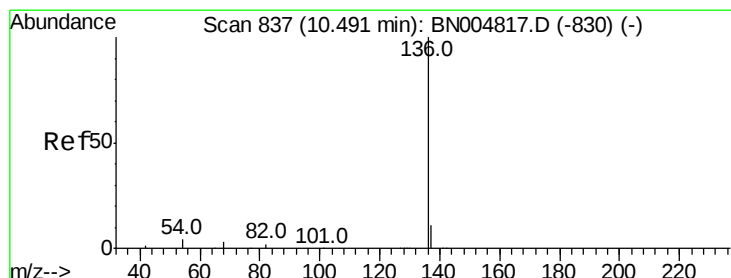
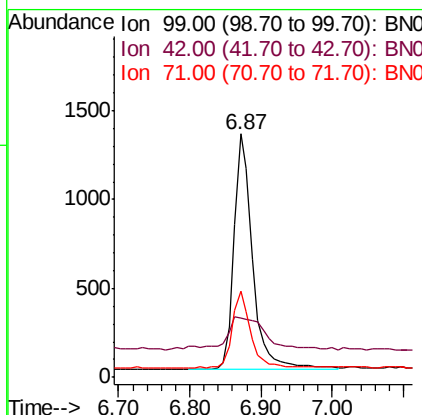
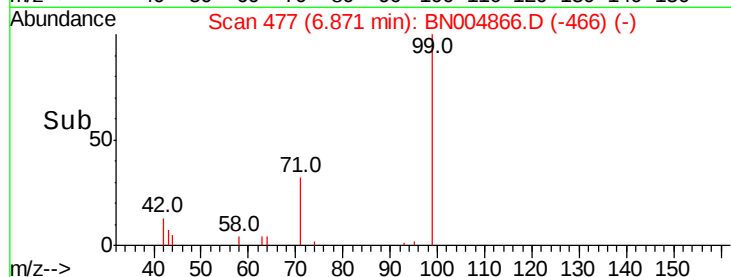
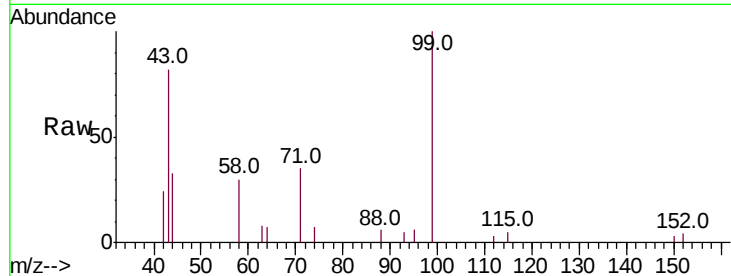
ClientSampleId :

PST-027-B115-030719

Tot Ion:	99	Resp:	2400
Ion Ratio	Lower	Upper	
99	100		
42	25.7	12.7	19.1#
71	31.6	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

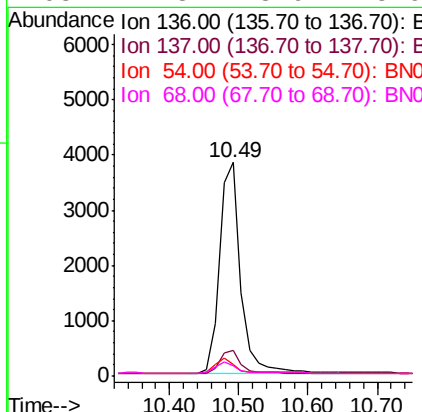
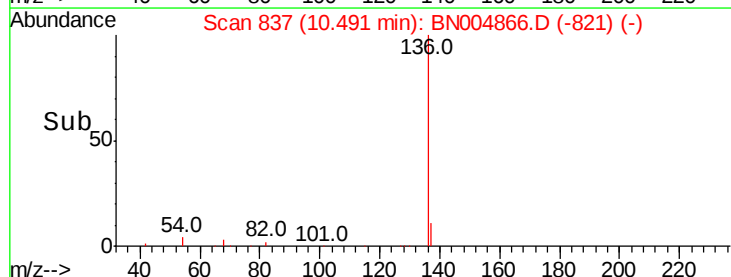
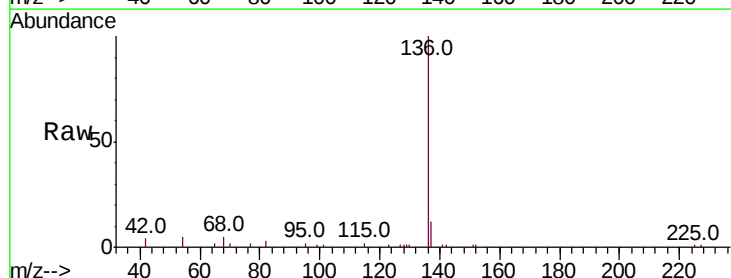
RT: 10.49 min Scan# 837

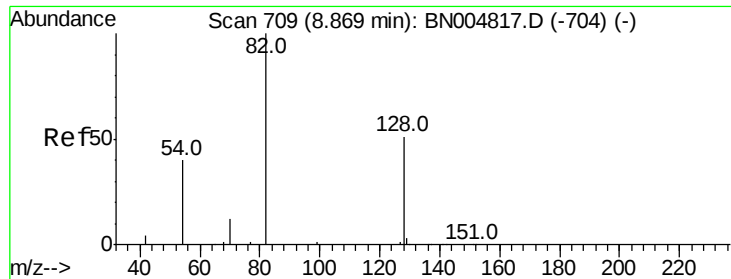
Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Tgt Ion:	136	Resp:	8140
Ion Ratio	Lower	Upper	
136	100		
137	12.2	9.6	14.4
54	5.1	4.2	6.2
68	4.8	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.310 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

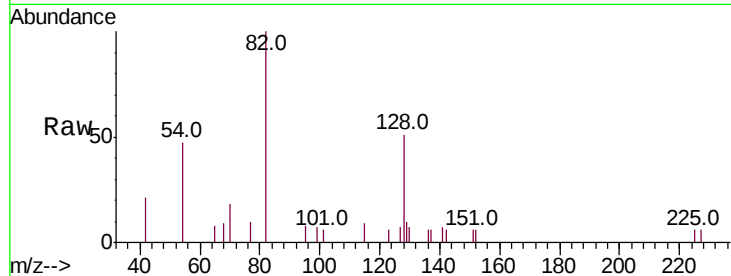
ClientSampleId :

PST-027-B115-030719

Tot Ion:	82	Resp:	1669
Ion Ratio	Lower	Upper	
82	100		
128	50.7	43.0	64.6
54	47.5	35.3	52.9

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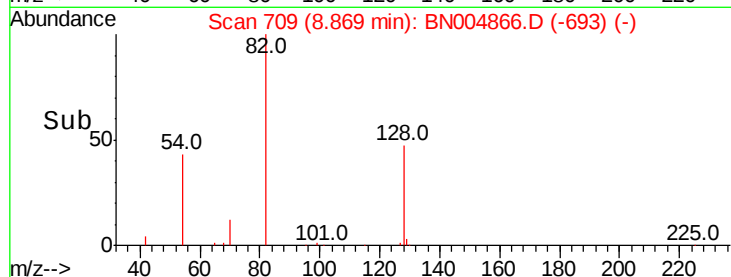
Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

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

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

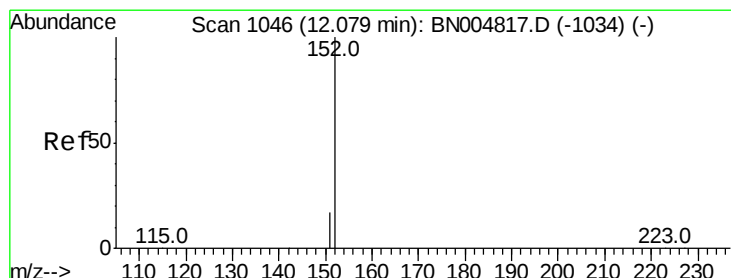
8.87

Time-->



8.87

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.301 ng

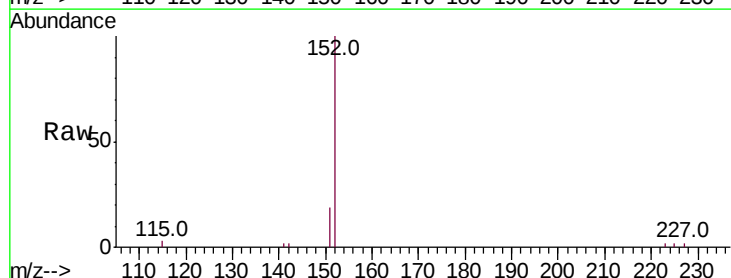
RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Tgt Ion:	152	Resp:	4282
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.5	23.3

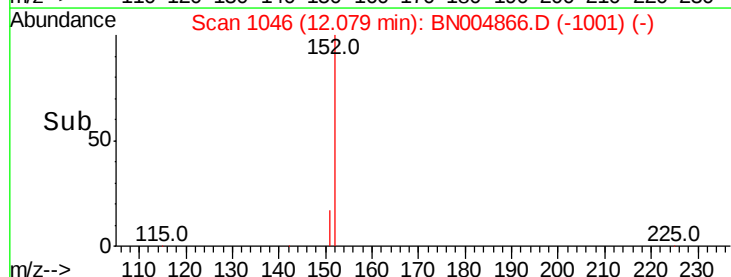


Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)

12.08

Time-->



12.08

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

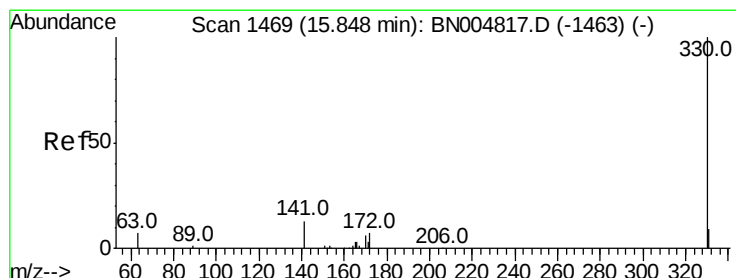
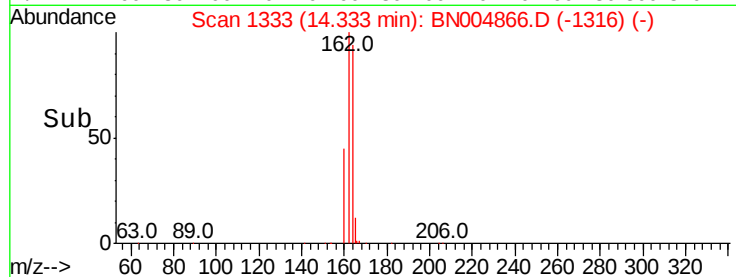
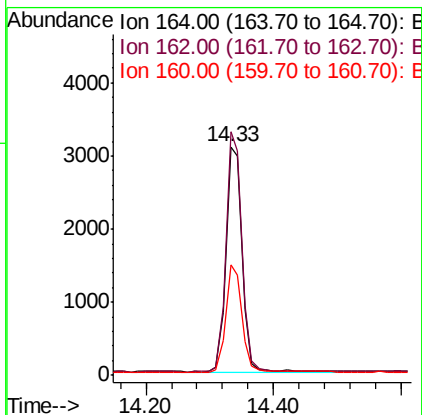
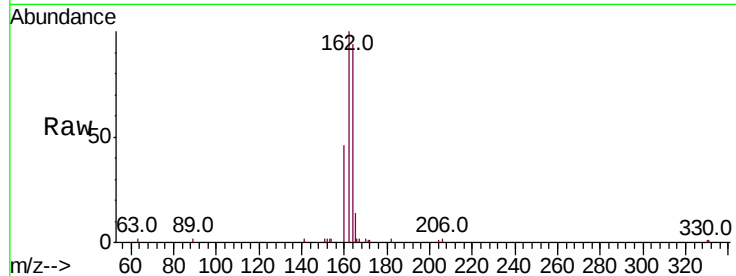
ClientSampleId :

PST-027-B115-030719

Tot Ion:	164	Resp:	5356
Ion	Ratio	Lower	Upper
164	100		
162	106.6	81.9	122.9
160	48.5	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.286 ng

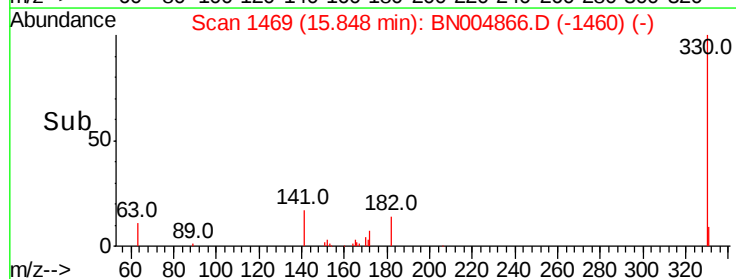
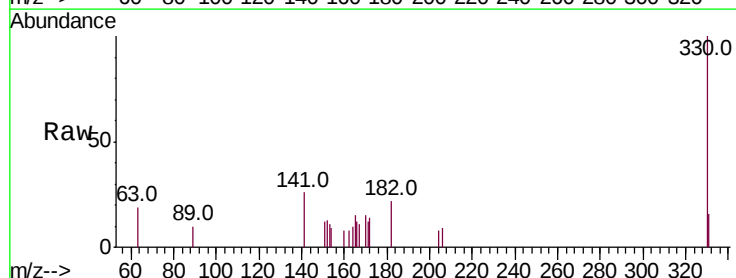
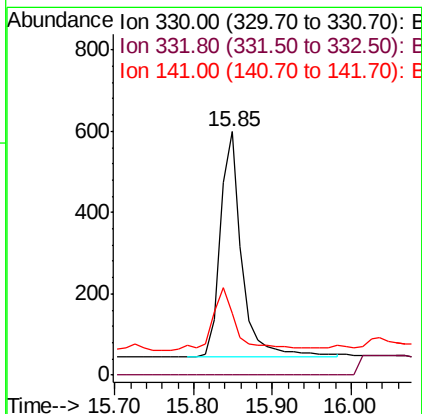
RT: 15.85 min Scan# 1469

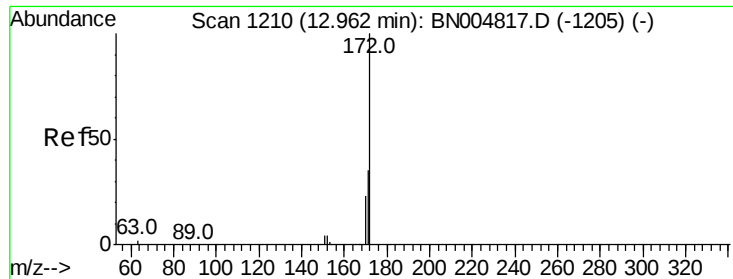
Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Tgt Ion:	330	Resp:	1059
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.8	20.9	31.3





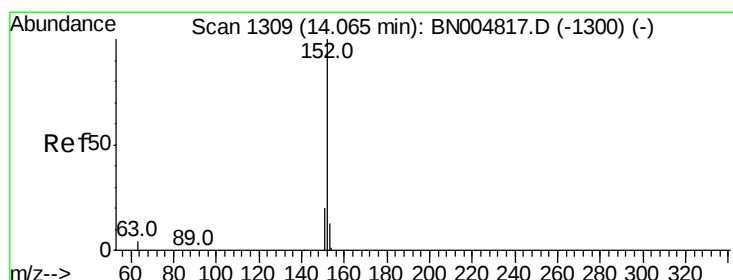
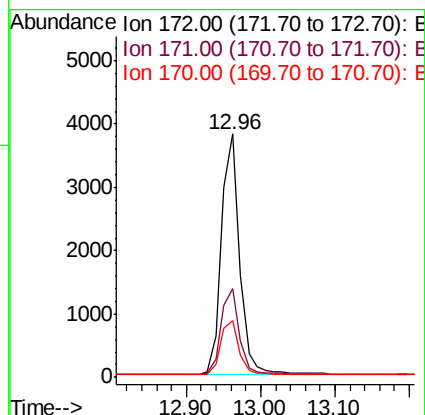
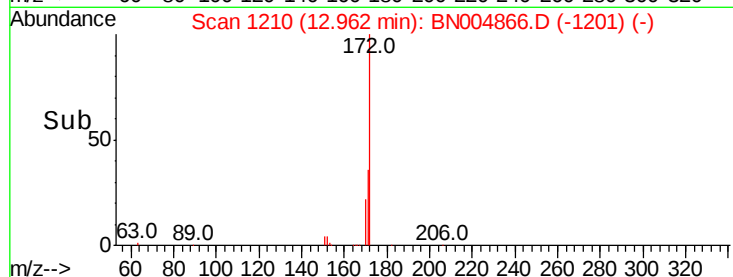
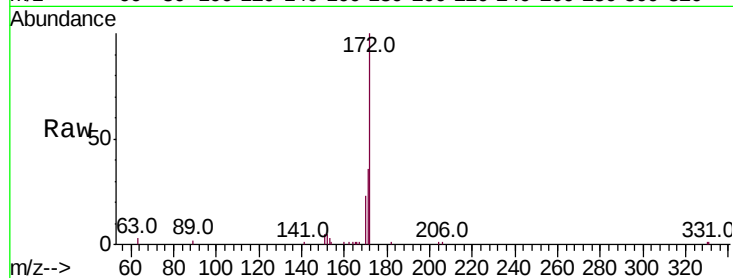
#15
2-Fluorobiphenyl
Concen: 0.293 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.7	43.1
170	23.3	18.7	28.1

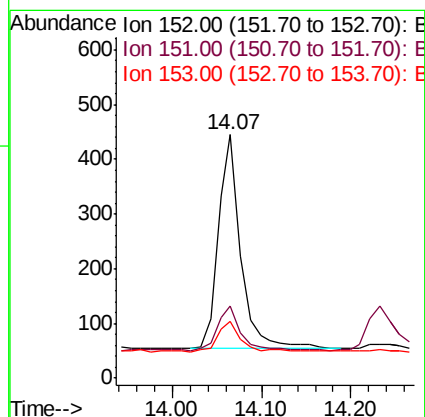
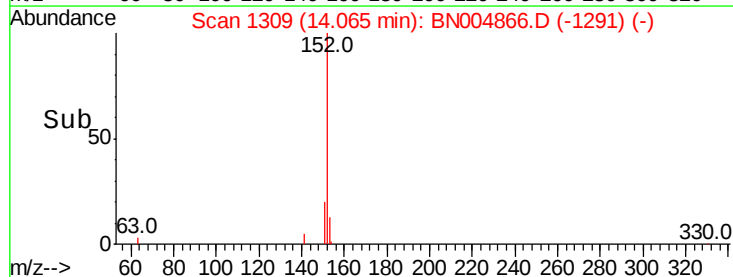
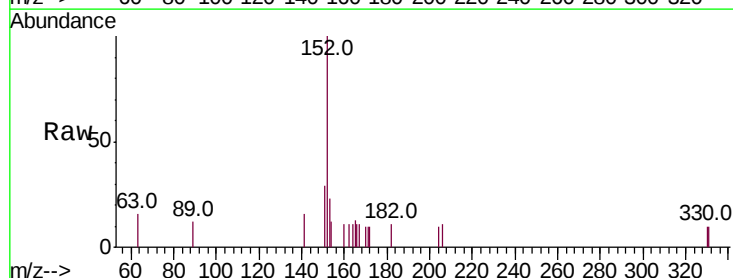
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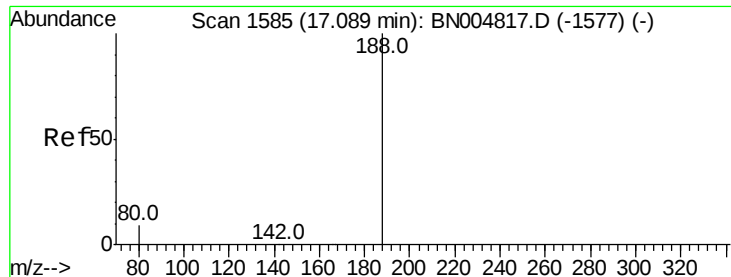
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#16
Acenaphthylene
Concen: 0.025 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.1	24.1
153	13.5	10.5	15.7





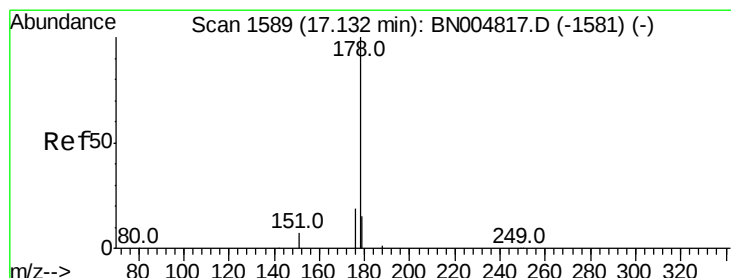
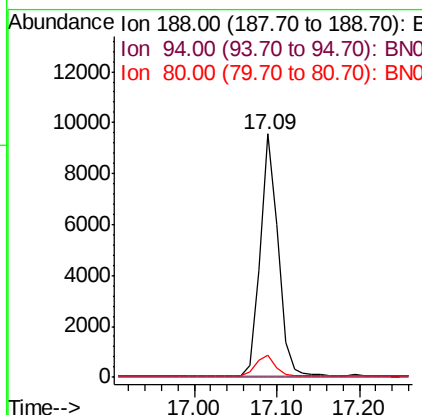
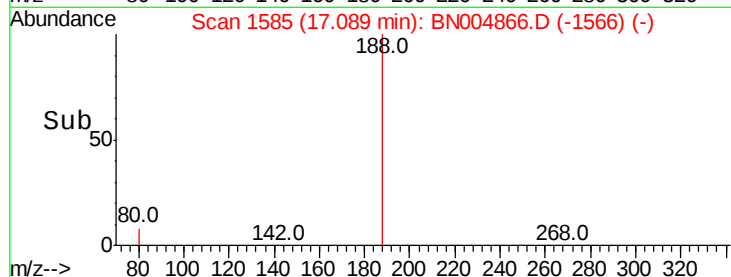
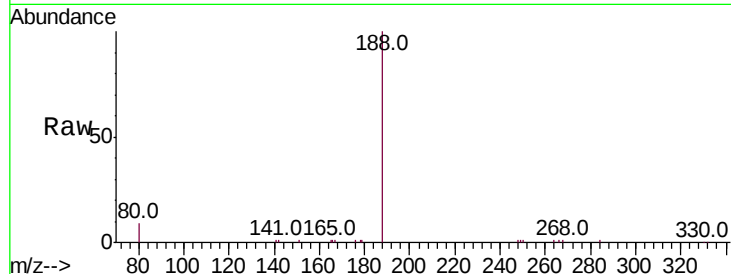
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	7.4	11.2

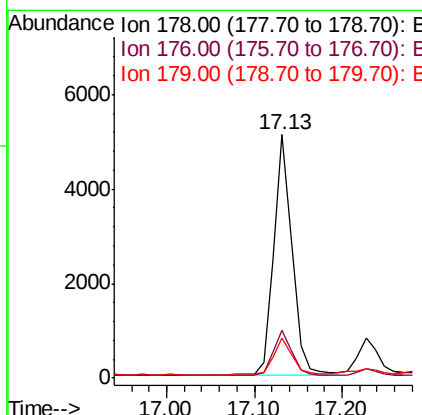
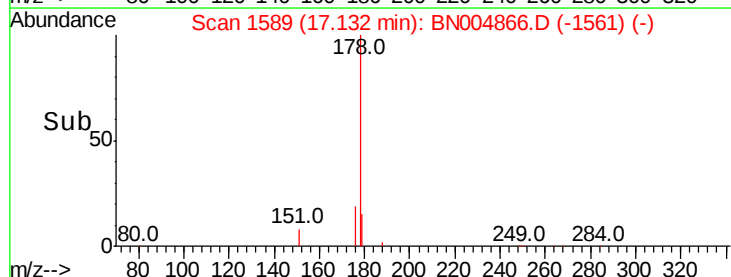
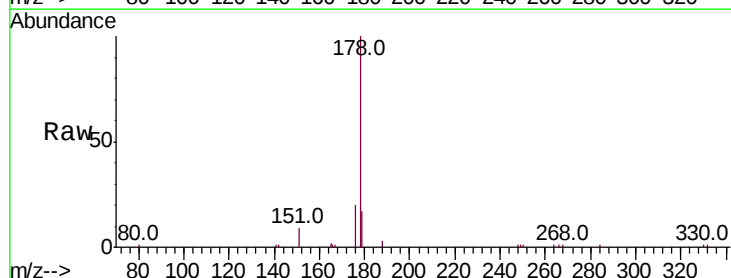
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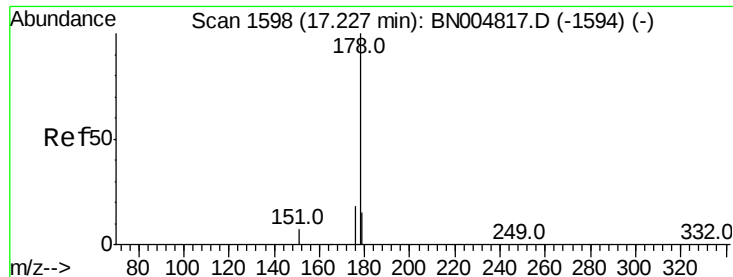
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#23
Phenanthrene
Concen: 0.166 ng
RT: 17.13 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.8	12.1	18.1





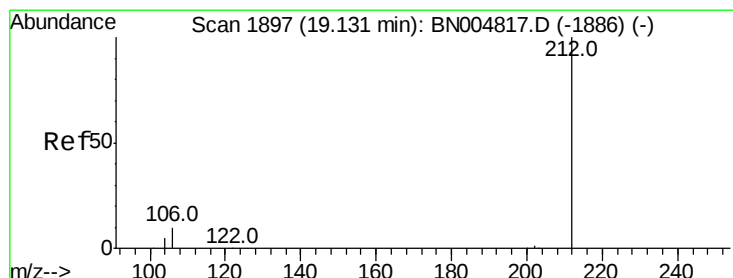
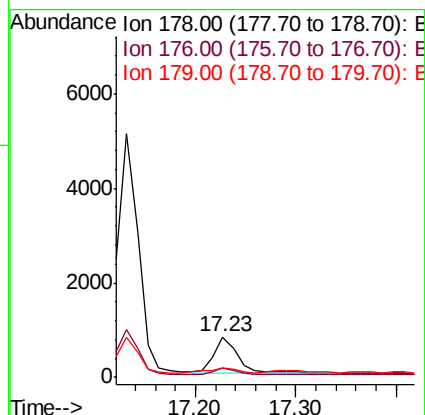
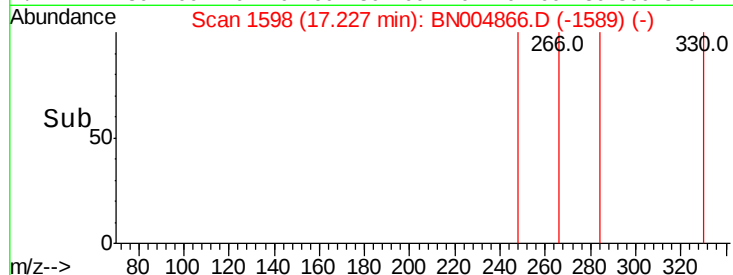
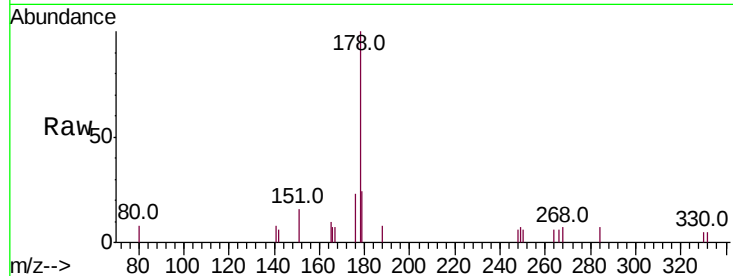
#24
 Anthracene
 Concen: 0.033 ng
 RT: 17.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BN004866.D
 Acq: 22 Mar 2019 00:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.5	21.7
179	16.2	12.2	18.4

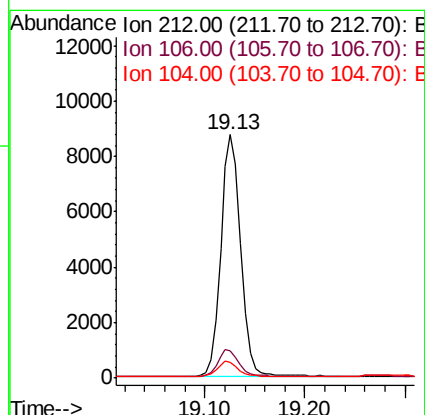
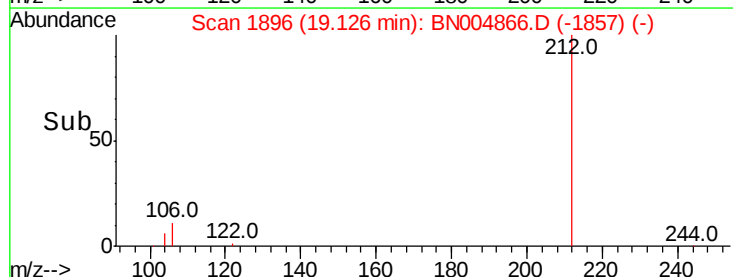
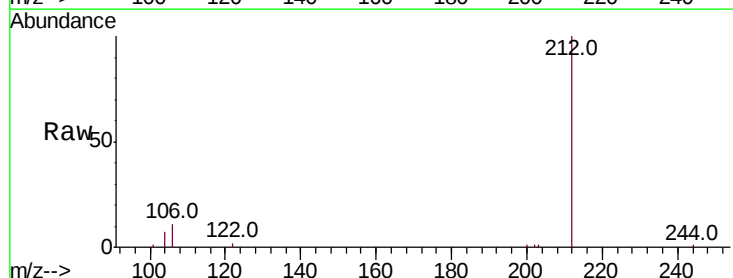
Manual Integrations
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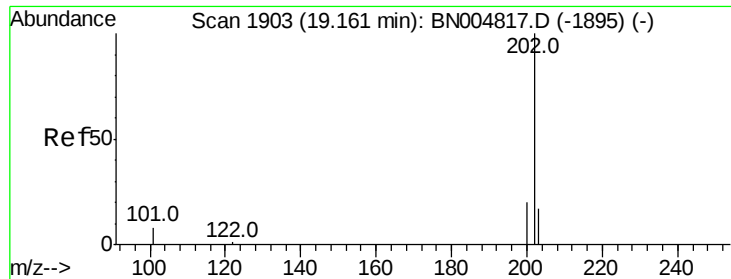
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#25
 Fluoranthene-d10
 Concen: 0.254 ng
 RT: 19.13 min Scan# 1896
 Delta R.T. -0.01 min
 Lab File: BN004866.D
 Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.5	8.6	13.0
104	6.2	4.7	7.1





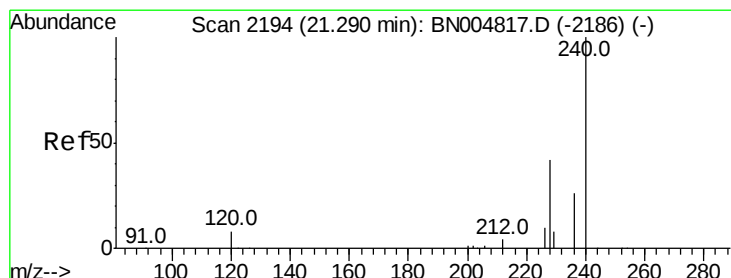
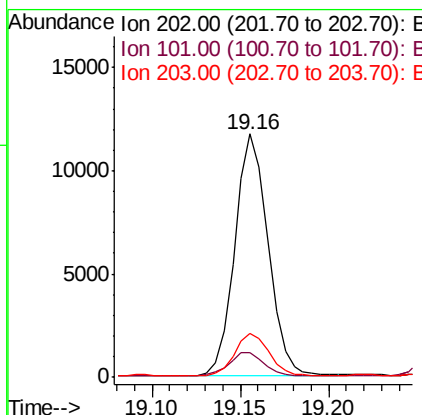
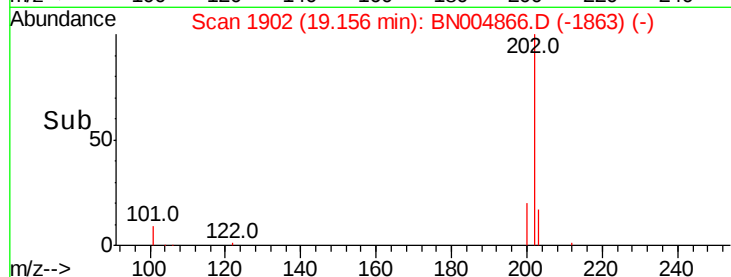
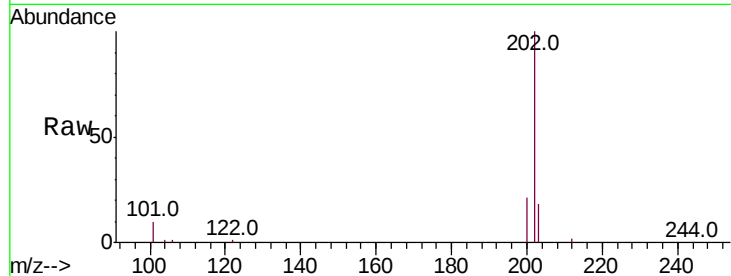
#26
Fluoranthene
 Concen: 0.264 ng
 RT: 19.16 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: BN004866.D
 Acq: 22 Mar 2019 00:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.5	11.3
203	17.6	13.8	20.6

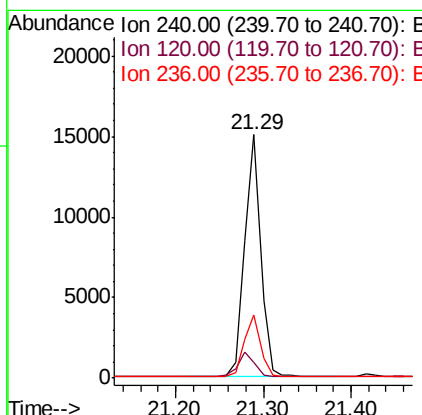
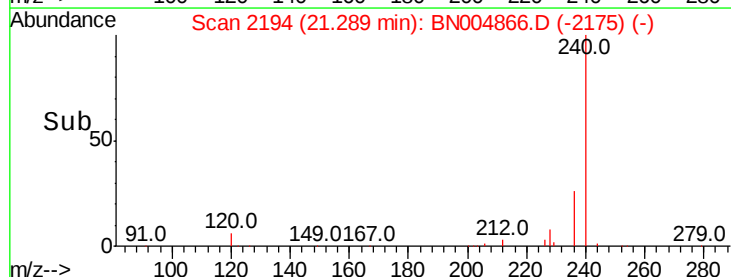
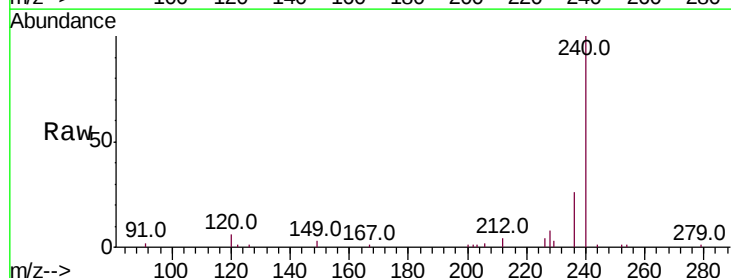
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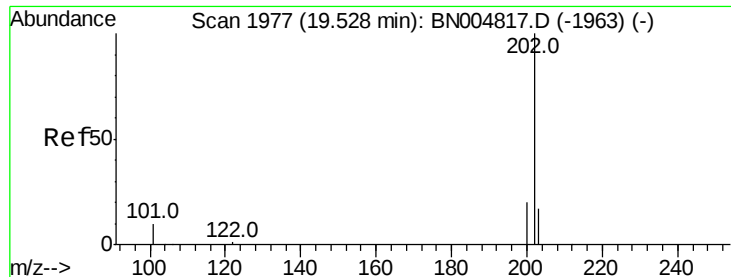
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BN004866.D
 Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.5	7.2	10.8#
236	26.0	20.9	31.3





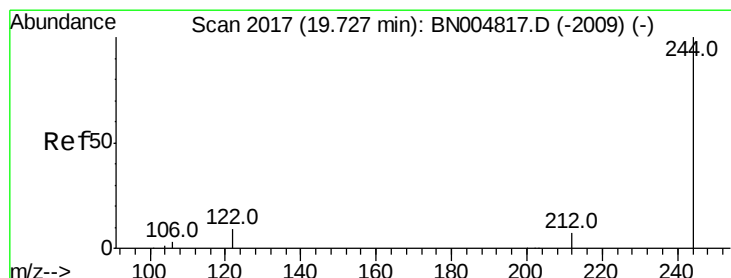
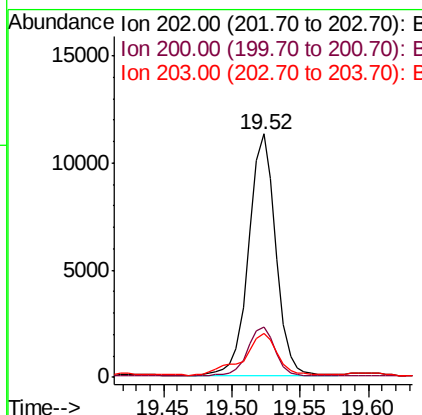
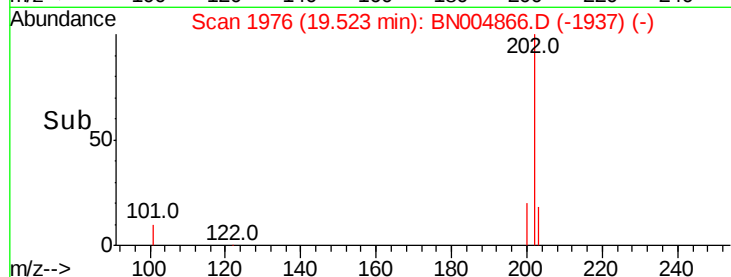
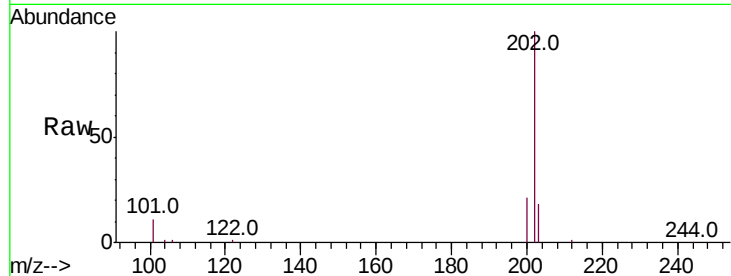
#28
Pvrene
Concen: 0.268 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	21.2	14.0	21.0

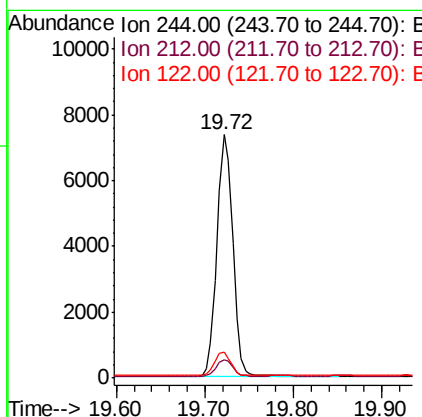
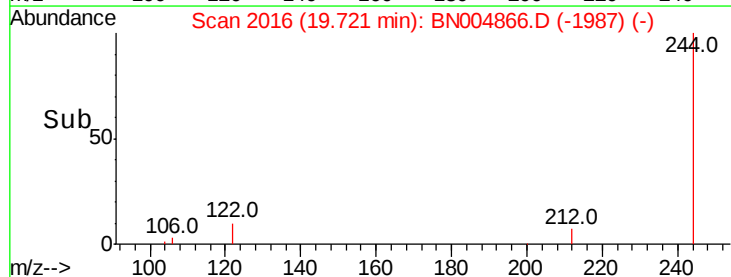
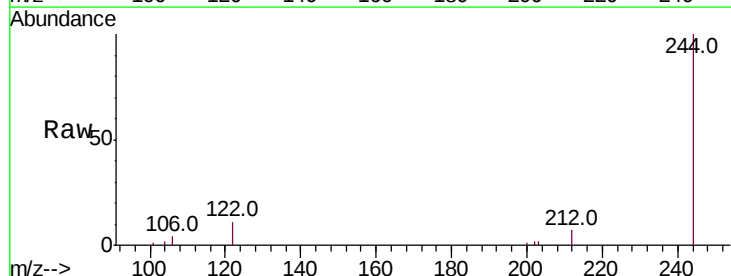
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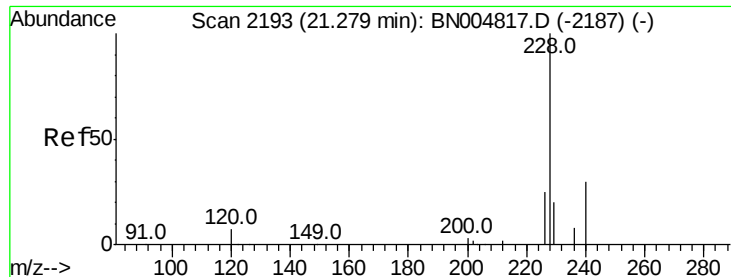
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#29
Terphenyl-d14
Concen: 0.234 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.7	7.9	11.9





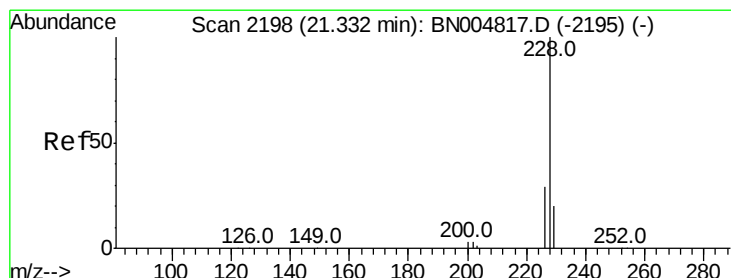
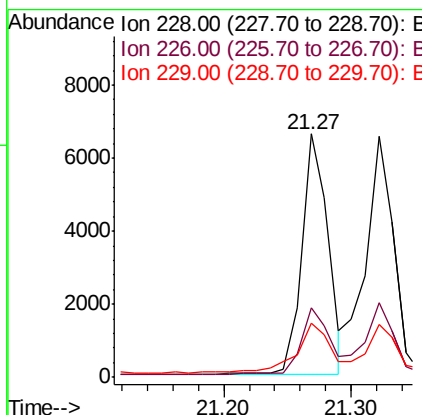
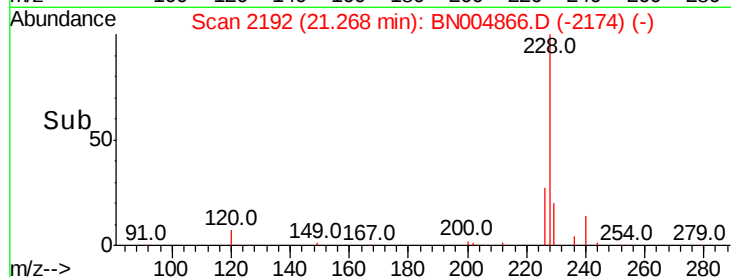
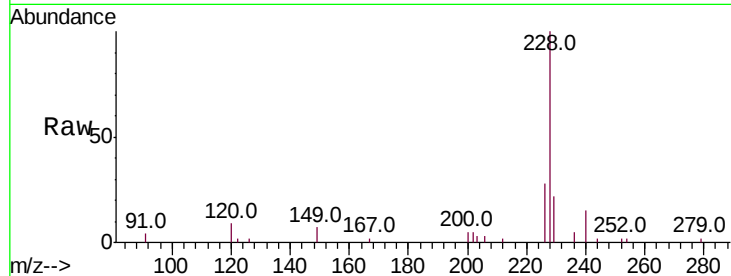
#30
Benzo(a)anthracene
Concen: 0.149 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.6	31.0
229	22.0	16.2	24.4

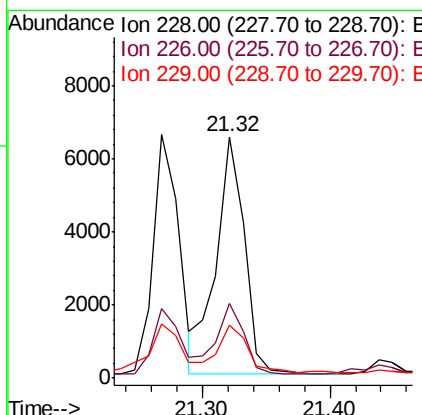
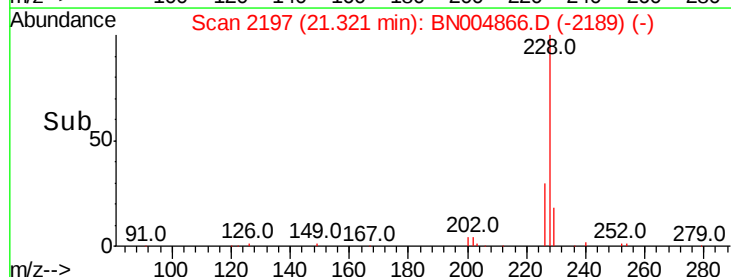
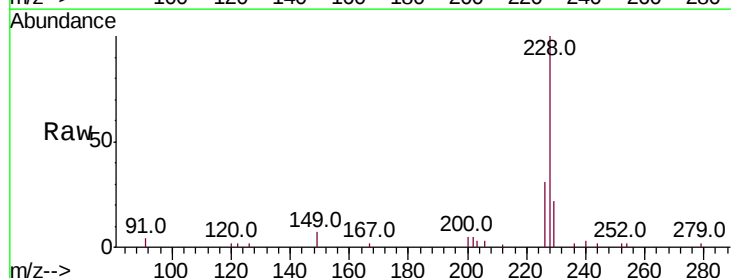
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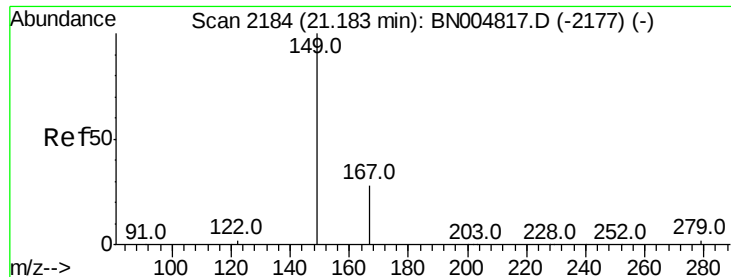
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#31
Chrysene
Concen: 0.150 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.6
229	21.9	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.038 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

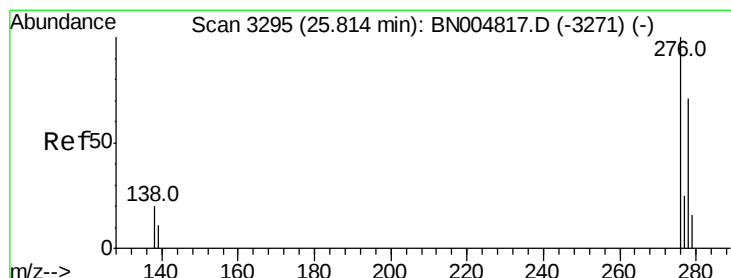
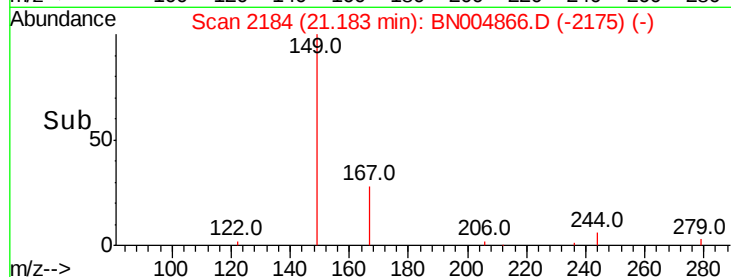
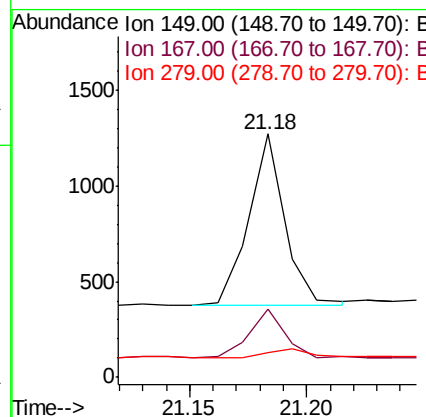
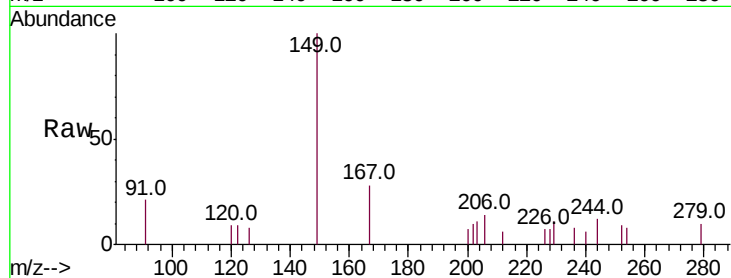
ClientSampleId :

PST-027-B115-030719

Tot Ion:	149	Resp:	960
Ion Ratio	Lower	Upper	
149	100		
167	28.0	23.0	34.4
279	9.8	4.6	6.8#

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.061 ng

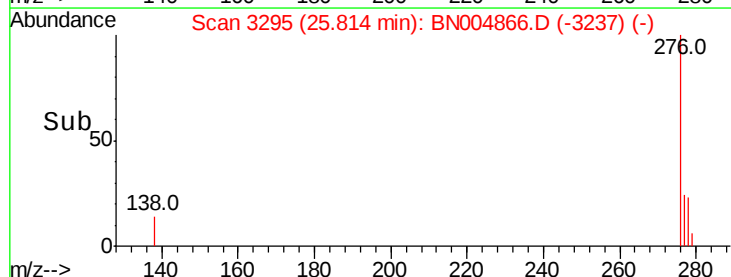
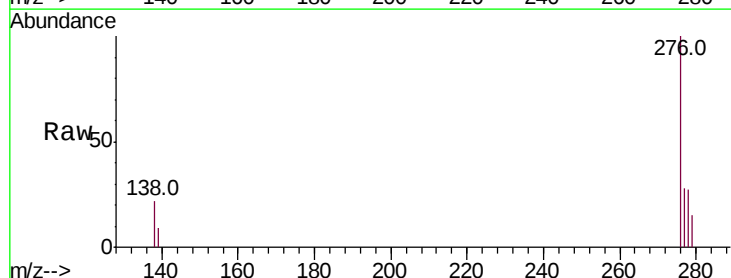
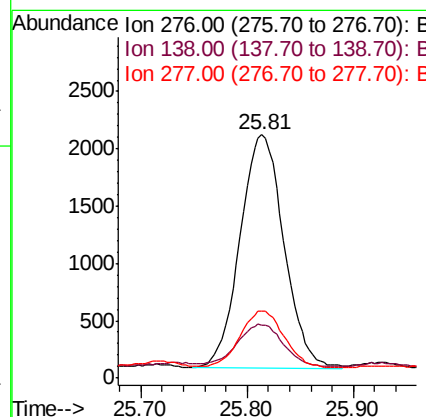
RT: 25.81 min Scan# 3295

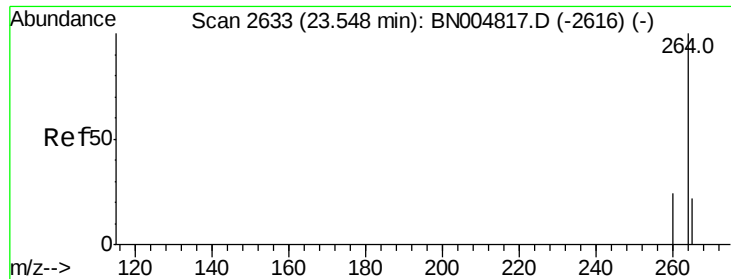
Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Tgt Ion:	276	Resp:	5844
Ion Ratio	Lower	Upper	
276	100		
138	18.9	16.6	24.8
277	24.3	20.3	30.5





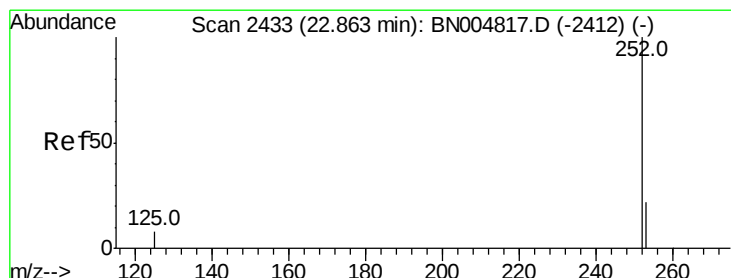
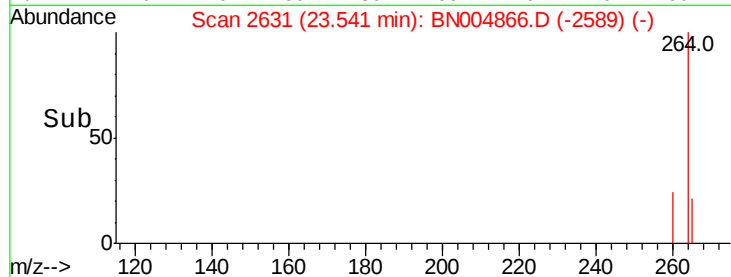
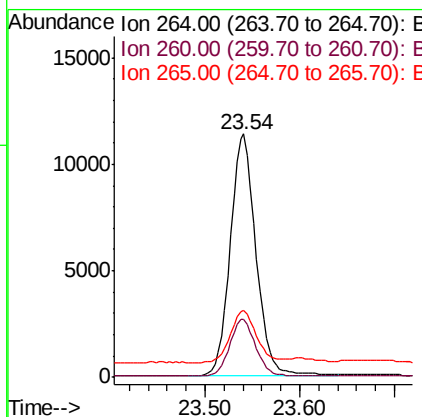
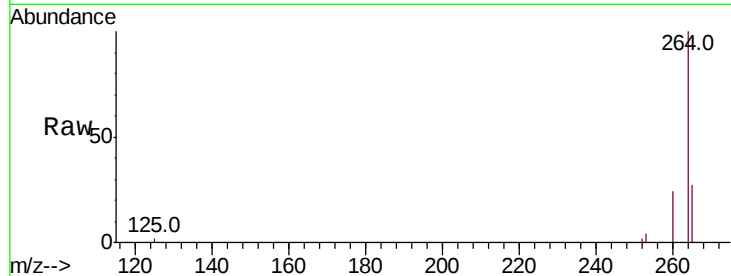
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.54 min Scan# 2631
 Delta R.T. -0.01 min
 Lab File: BN004866.D
 Acq: 22 Mar 2019 00:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	27.4	23.1	34.7

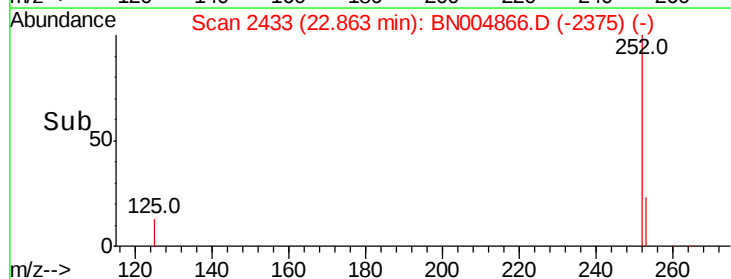
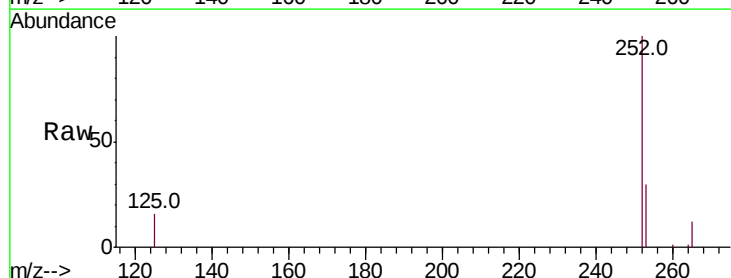
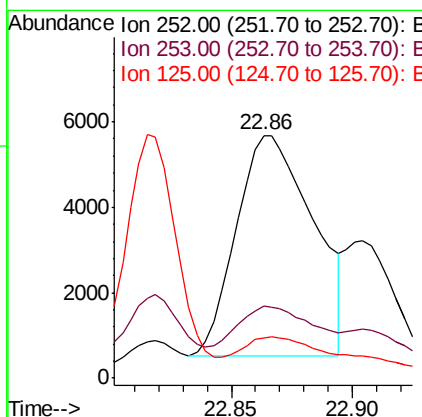
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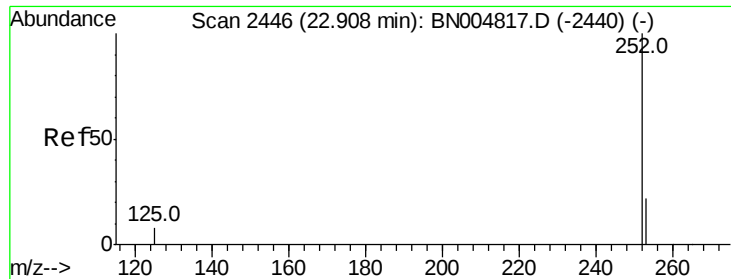
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#35
 Benzo(b)fluoranthene
 Concen: 0.147 ng
 RT: 22.86 min Scan# 2433
 Delta R.T. -0.00 min
 Lab File: BN004866.D
 Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	19.0	28.4#
125	16.3	7.4	11.2#





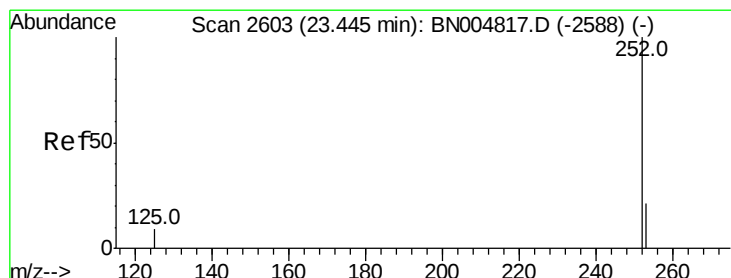
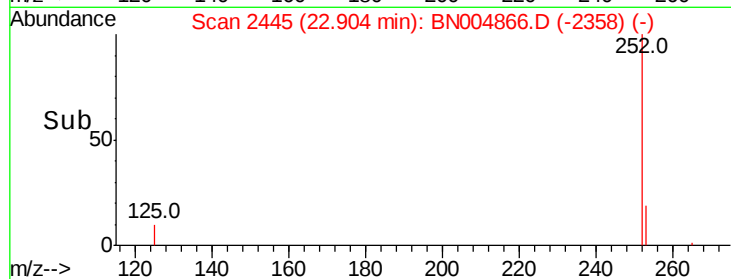
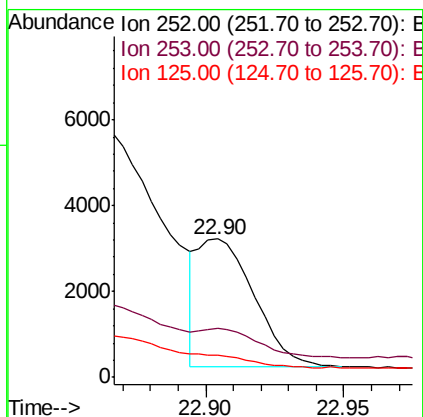
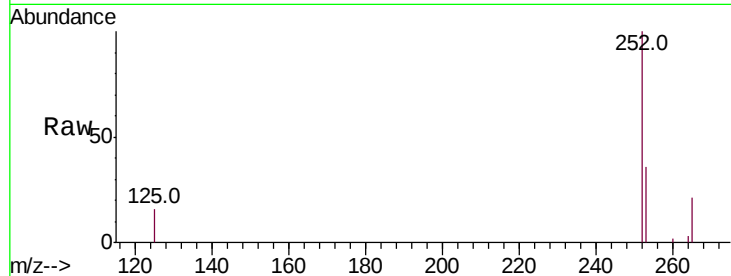
#36
Benzo(k)fluoranthene
Concen: 0.056 ng m
RT: 22.90 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

Tot Ion:252 Resp: 4217
Ion Ratio Lower Upper
252 100
253 35.7 19.3 28.9#
125 16.4 7.4 11.0#

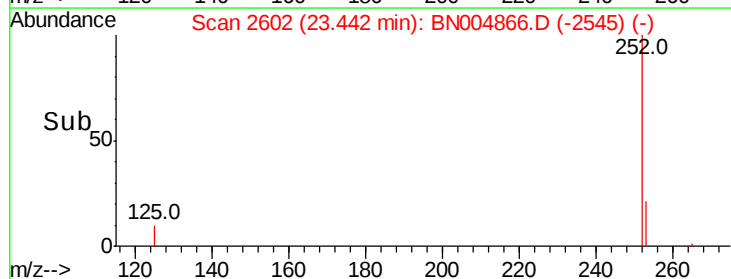
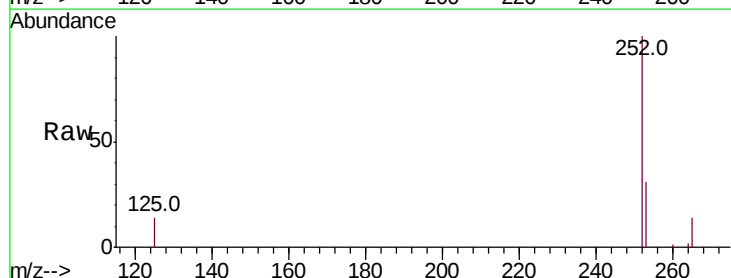
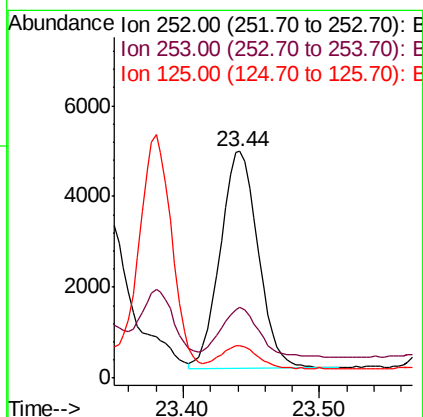
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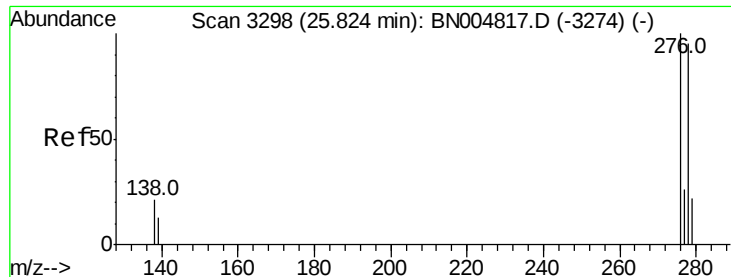
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#37
Benzo(a)pyrene
Concen: 0.130 ng
RT: 23.44 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion:252 Resp: 9178
Ion Ratio Lower Upper
252 100
253 31.2 19.7 29.5#
125 14.2 8.3 12.5#





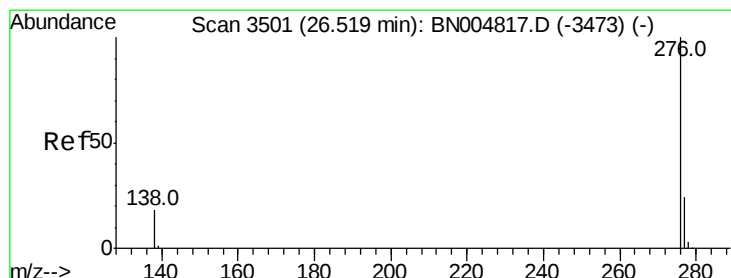
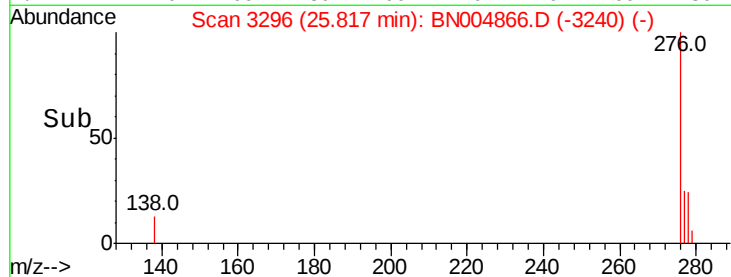
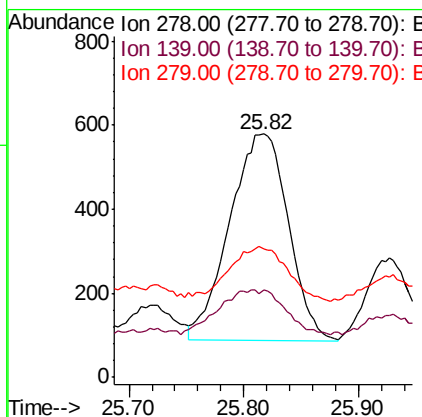
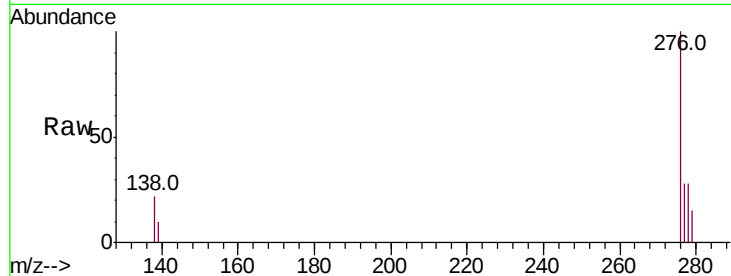
#38
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 25.82 min Scan# 3296
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.9	11.7	17.5#
279	52.8	19.9	29.9#

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#39
Benzo(g,h,i)perylene
Concen: 0.067 ng
RT: 26.51 min Scan# 3499
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.7	29.5
138	23.0	14.6	22.0#

