

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004909.D
 Acq On : 23 Mar 2019 05:37
 Operator : JU/SJ
 Sample : K2013-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW071-031819

Manual Integrations
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 3/25/2019 8:56:55 AM

Quant Time: Mar 23 06:45:50 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	3818	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	16537	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	9080	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	21041	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	22655	0.40	ng	-0.01
34) Perylene-d12	23.53	264	19725	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	4392	0.42	ng	0.00
5) Phenol-d6	6.86	99	5775	0.45	ng	-0.02
8) Nitrobenzene-d5	8.86	82	4335	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	9307	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	2120	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	13503	0.36	ng	-0.01
25) Fluoranthene-d10	19.12	212	22329	0.32	ng	-0.02
29) Terphenyl-d14	19.72	244	17069	0.37	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.05	152	2711	0.058	ng	96
23) Phenanthrene	17.12	178	17816	0.262	ng	99
24) Anthracene	17.22	178	2615	0.043	ng	96
26) Fluoranthene	19.15	202	31128	0.357	ng	# 97
28) Pyrene	19.51	202	32473	0.470	ng	97
30) Benzo(a)anthracene	21.27	228	16468	0.222	ng	91
31) Chrysene	21.32	228	16535	0.211	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.18	149	6374	0.215	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	7963	0.070	ng	98
35) Benzo(b)fluoranthene	22.85	252	18311	0.257	ng	# 72
36) Benzo(k)fluoranthene	22.89	252	5800m	0.083	ng	
37) Benzo(a)pyrene	23.43	252	11490	0.176	ng	# 79
38) Dibenzo(a,h)anthracene	25.80	278	2595	0.034	ng	# 12
39) Benzo(g,h,i)perylene	26.49	276	9268	0.120	ng	# 85

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

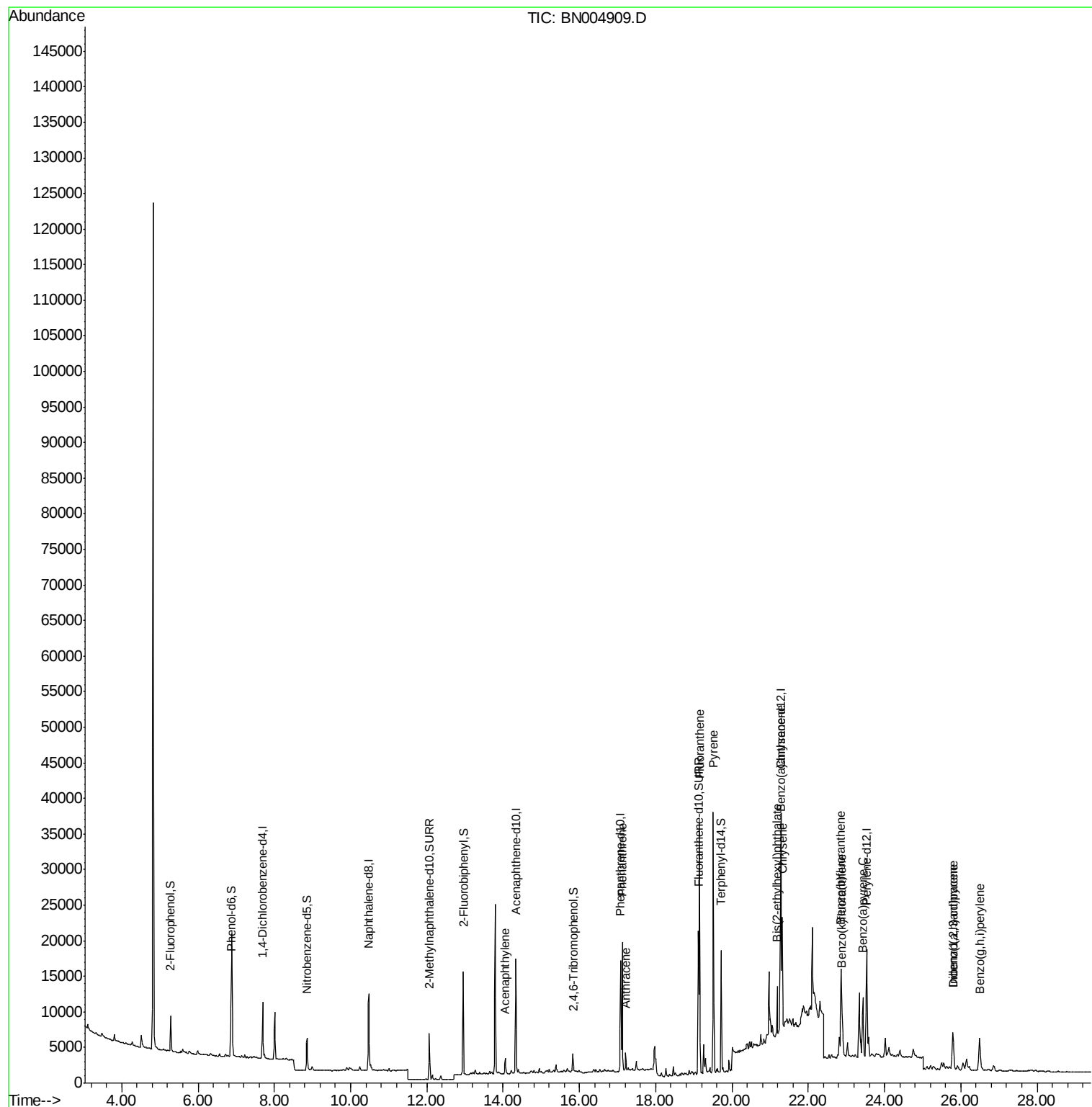
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004909.D
Acq On : 23 Mar 2019 05:37
Operator : JU/SJ
Sample : K2013-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

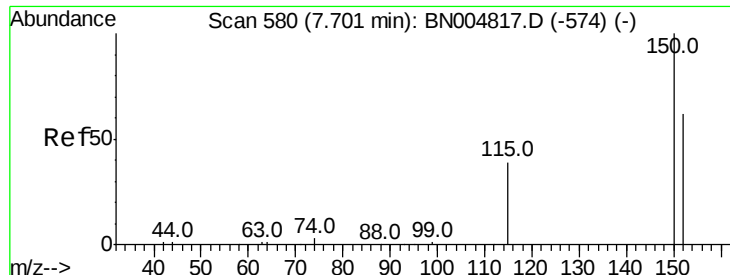
Instrument :
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PST-026-SW071-031819

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#1

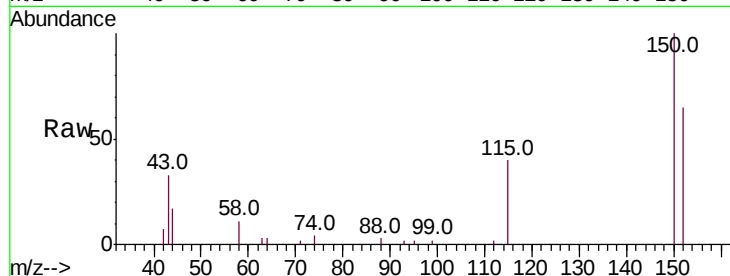
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Instrument :
BNA_N
ClientSampleId :
PST-026-SW071-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	126.2	189.4
115	61.3	52.6	79.0

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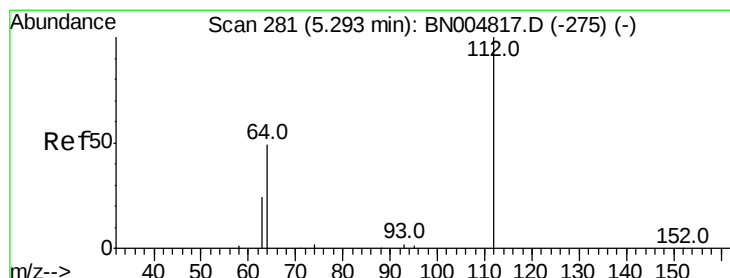
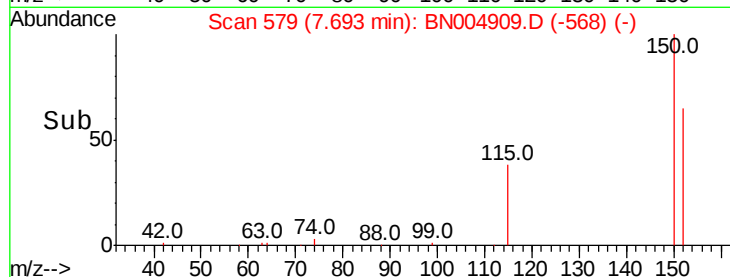
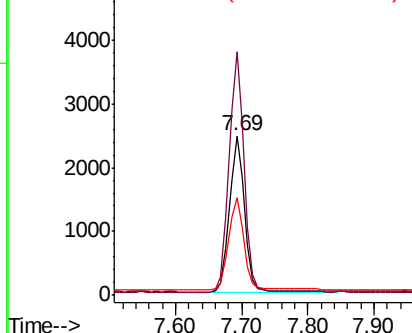


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

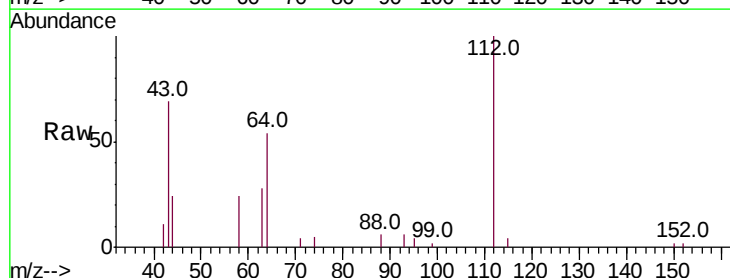
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.423 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	40.0	60.0
63	25.7	20.2	30.2

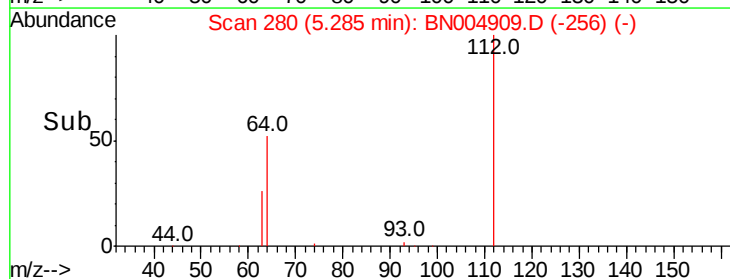
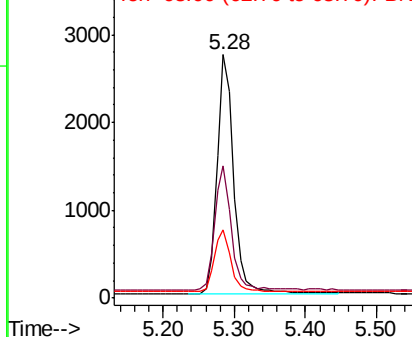


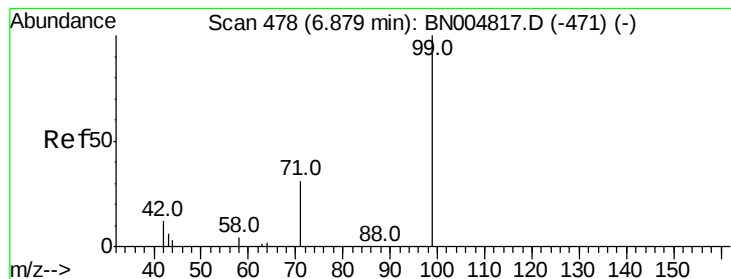
Abundance

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: 0.447 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Instrument :

BNA_N

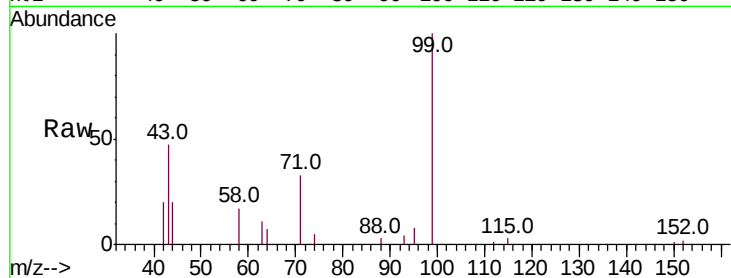
ClientSampleId :

PST-026-SW071-031819

Tot Ion:	99	Resp:	5775
Ion	Ratio	Lower	Upper
99	100		
42	31.1	12.7	19.1#
71	32.1	26.6	40.0

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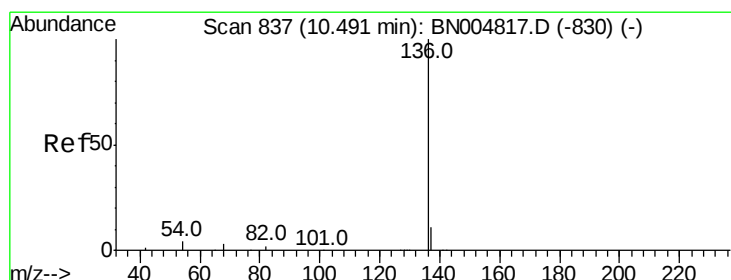
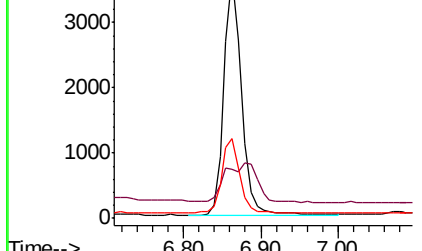
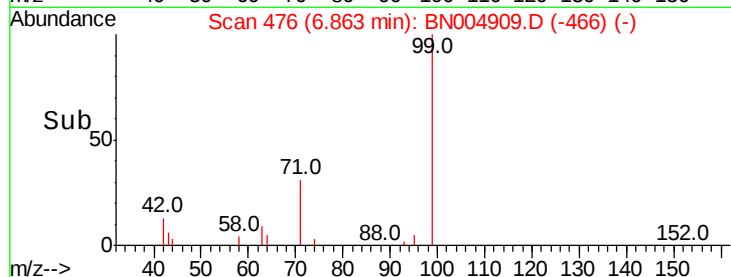


Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Tgt Ion:	136	Resp:	16537
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	5.1	4.2	6.2
68	4.5	3.9	5.9

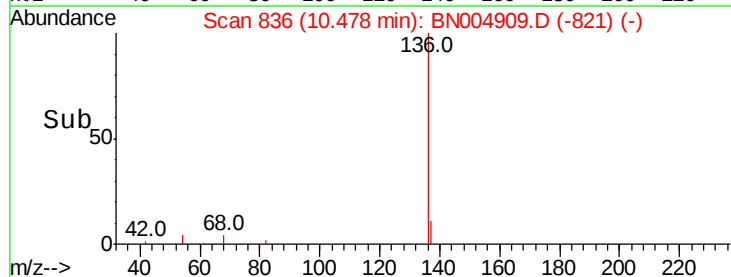
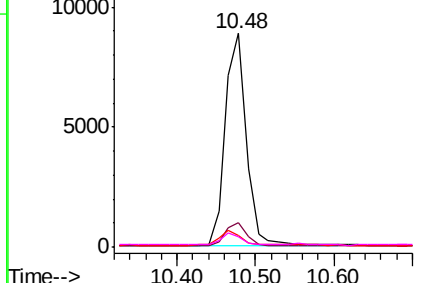
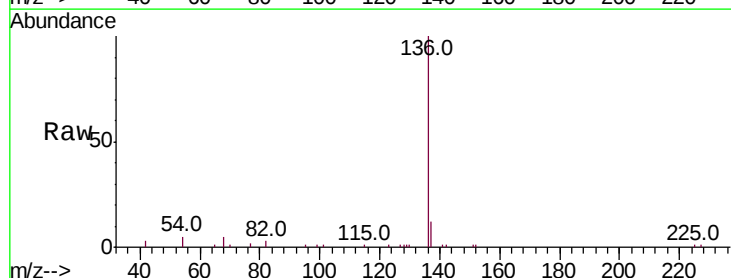
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

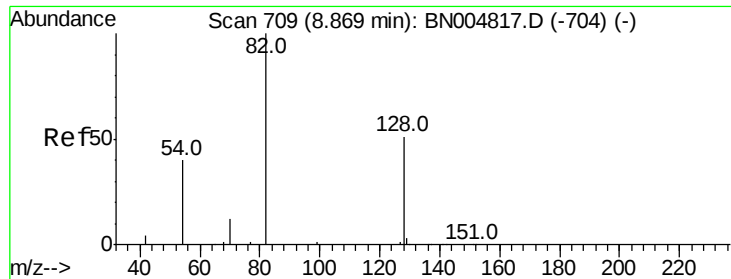
Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.396 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Instrument :

BNA_N

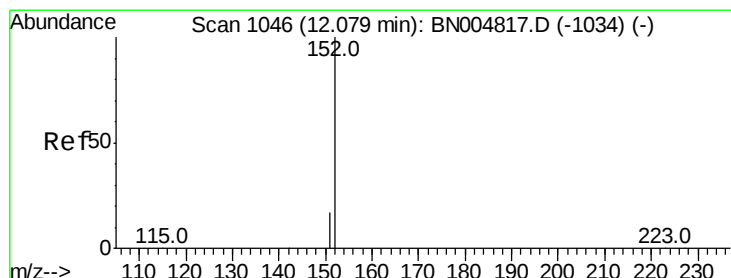
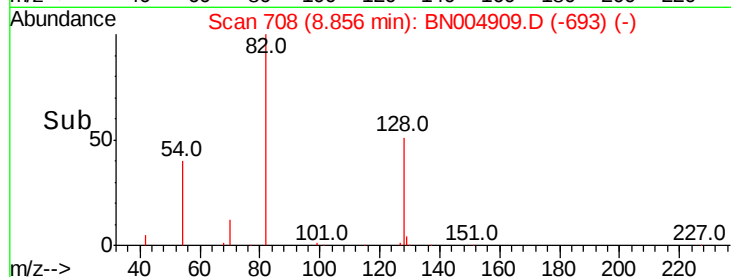
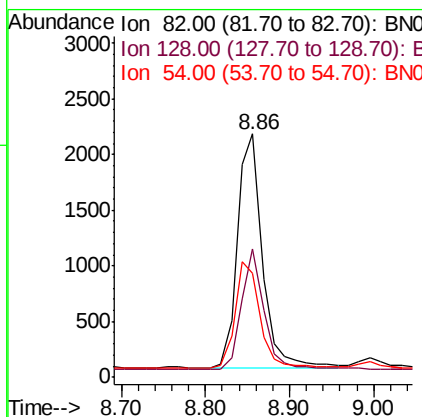
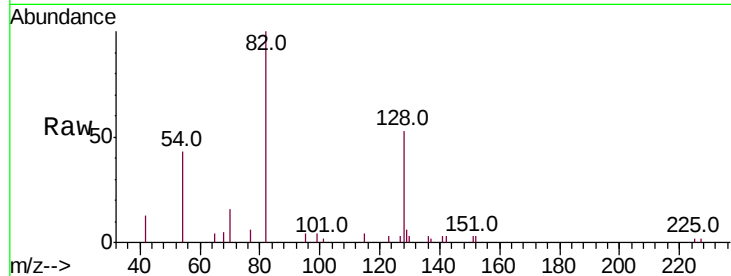
ClientSampleId :

PST-026-SW071-031819

Tot Ion:	82	Resp:	4335
Ion Ratio	Lower	Upper	
82	100		
128	52.6	43.0	64.6
54	42.8	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.323 ng

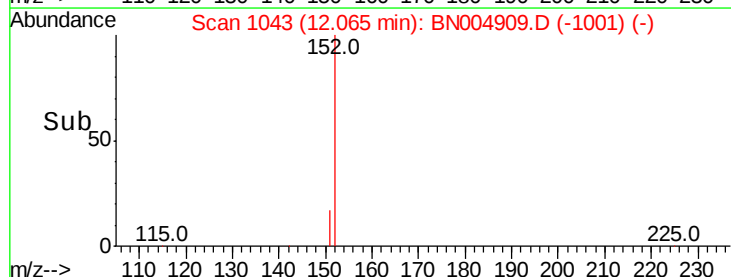
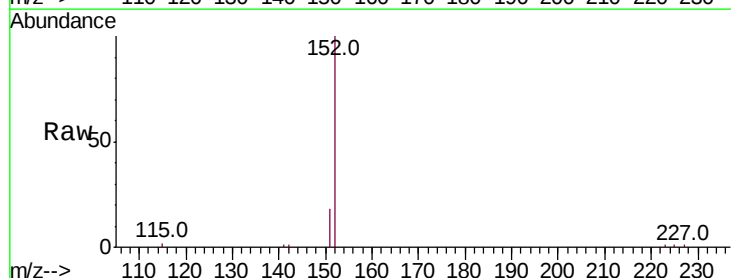
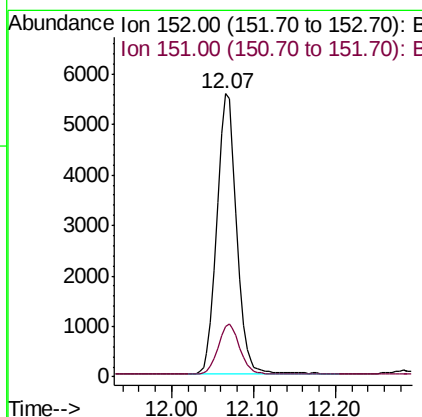
RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Tgt Ion:	152	Resp:	9307
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Instrument :

BNA_N

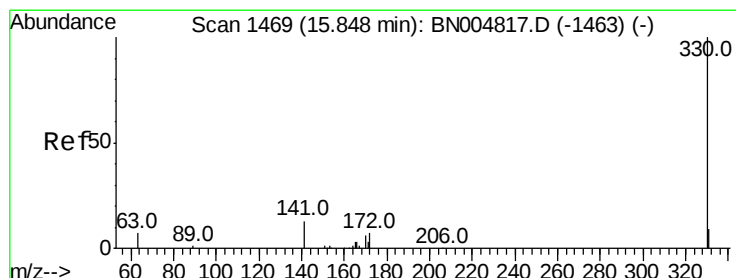
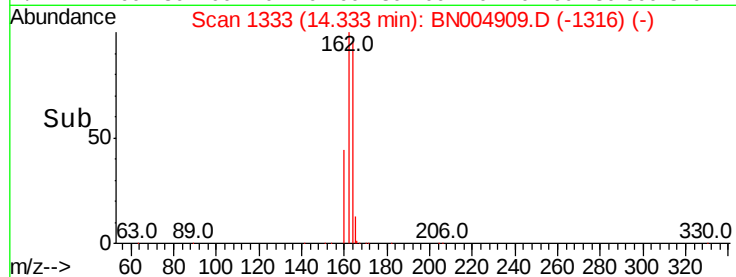
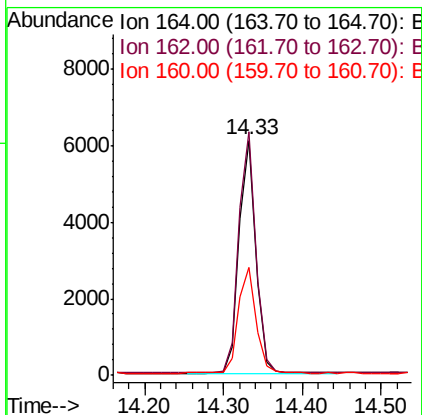
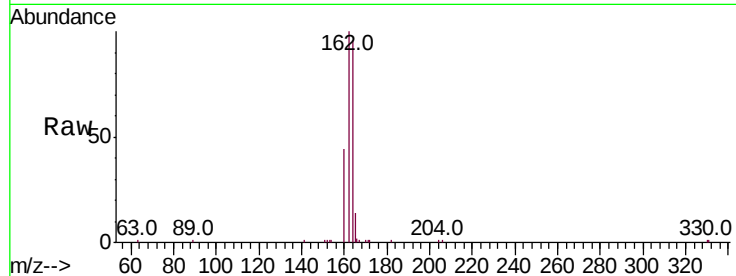
ClientSampleId :

PST-026-SW071-031819

Tot Ion:	164	Resp:	9080
Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.9	122.9
160	46.1	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.338 ng

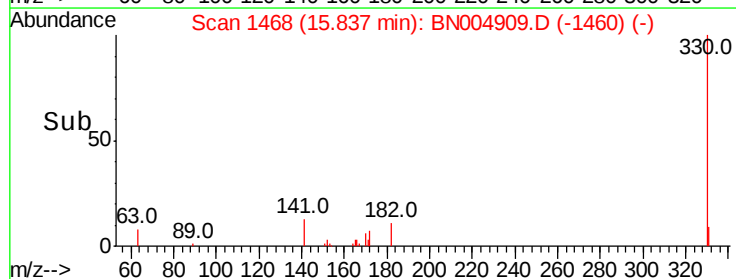
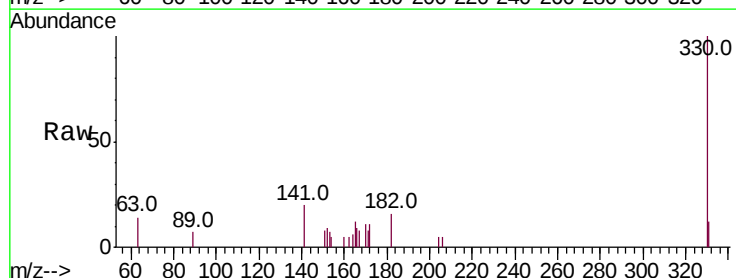
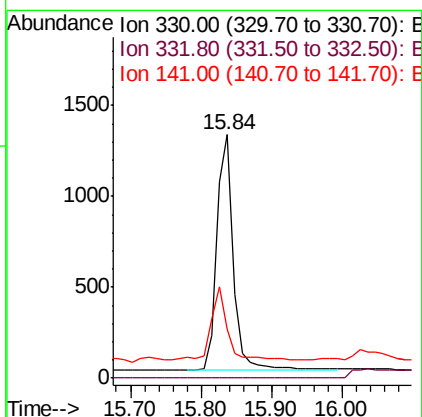
RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Tgt Ion:	330	Resp:	2120
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.9	20.9	31.3





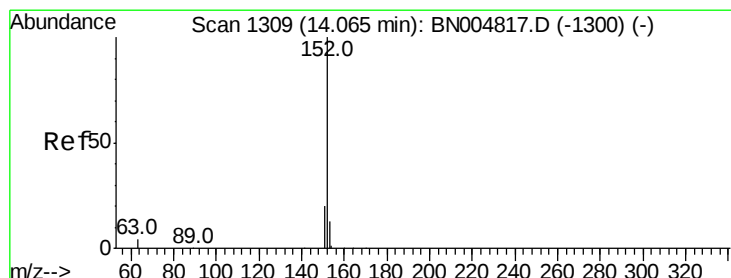
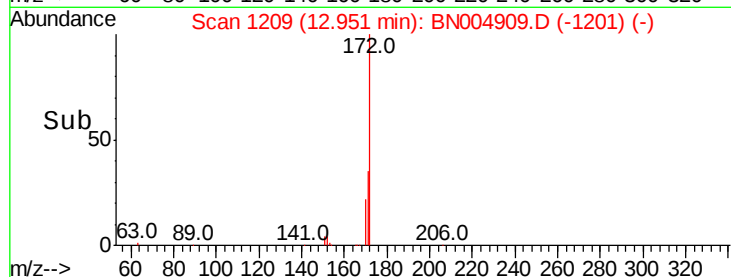
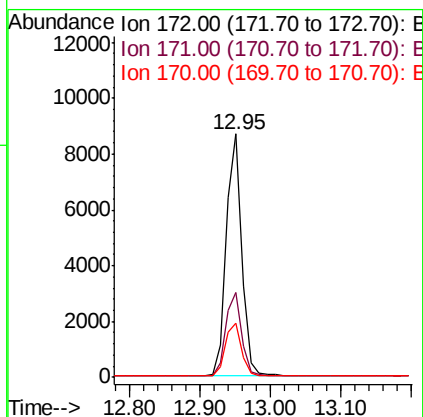
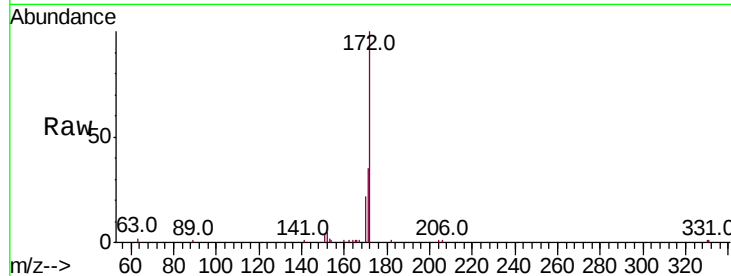
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Instrument :
BNA_N
ClientSampleId :
PST-026-SW071-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	22.5	18.7	28.1

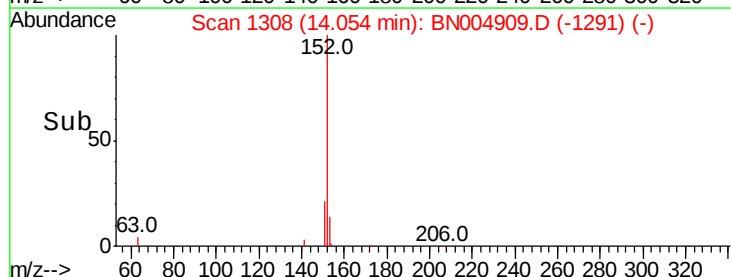
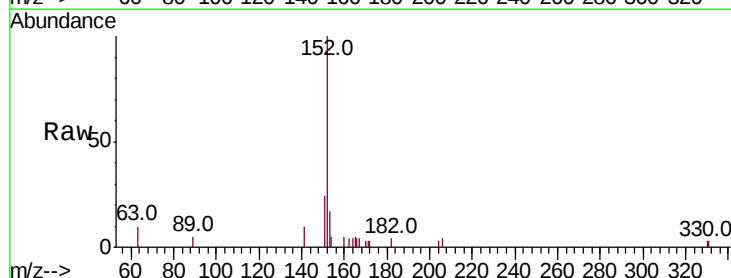
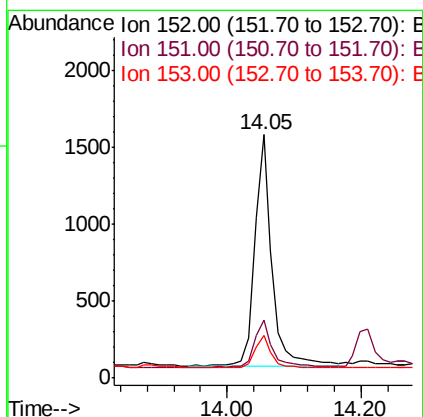
Manual Integrations
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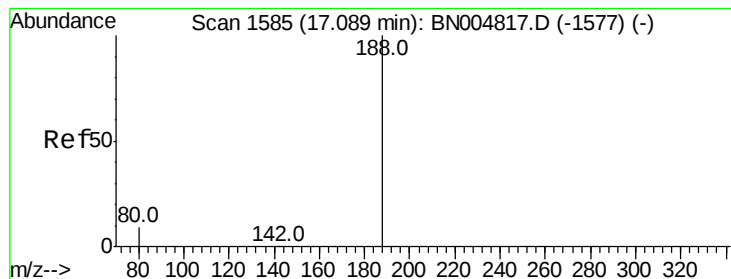
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#16
Acenaphthylene
Concen: 0.058 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.1	24.1
153	13.7	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Instrument :

BNA_N

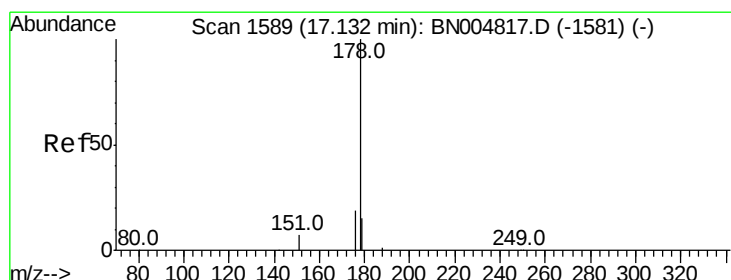
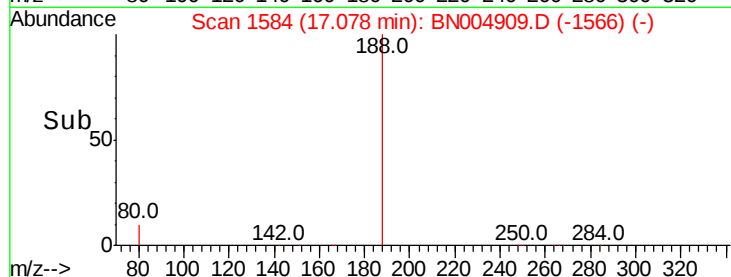
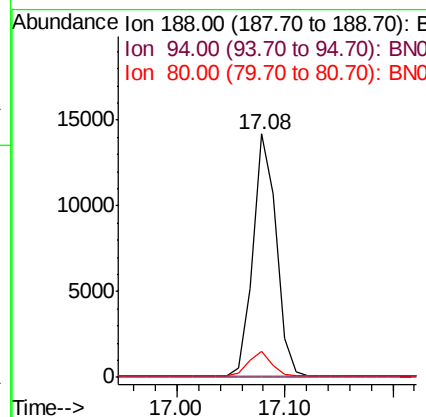
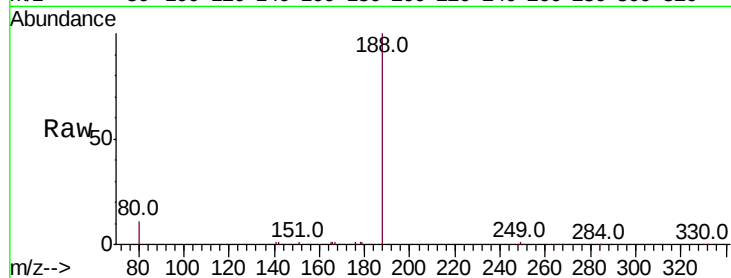
ClientSampleId :

PST-026-SW071-031819

Tot Ion:	188	Resp:	21041
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.7	7.4	11.2

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#23

Phenanthrene

Concen: 0.262 ng

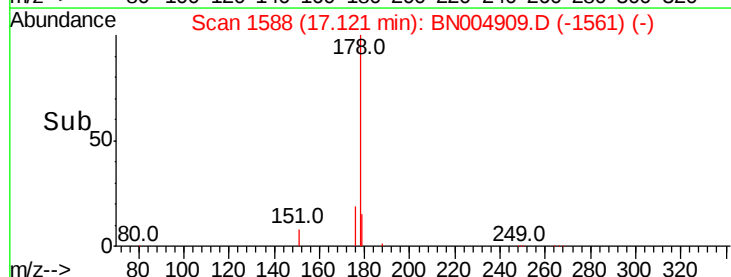
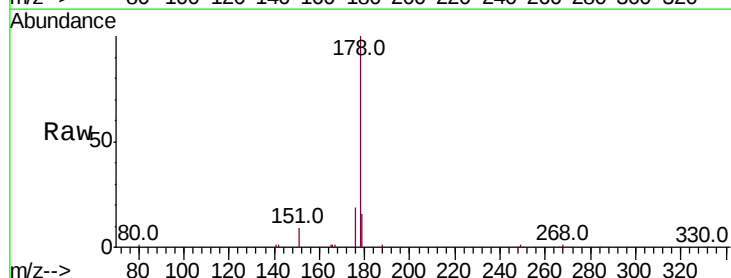
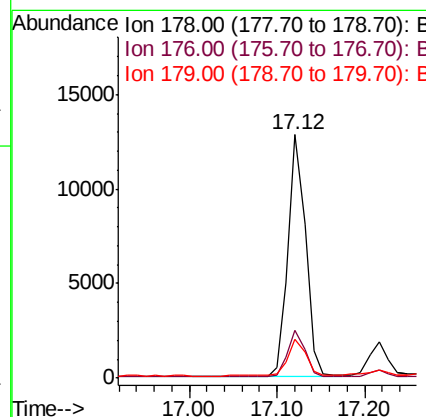
RT: 17.12 min Scan# 1588

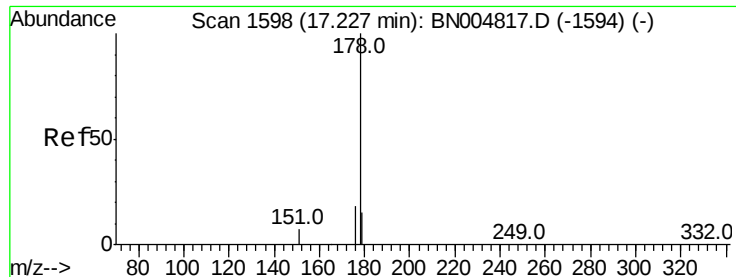
Delta R.T. -0.01 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Tgt Ion:	178	Resp:	17816
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.9	22.3
179	15.8	12.1	18.1





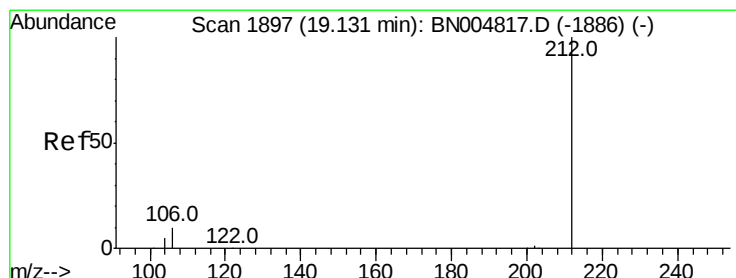
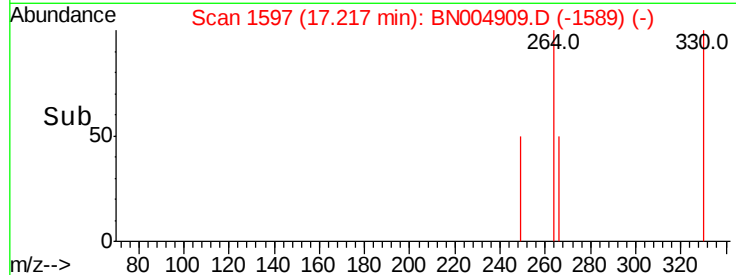
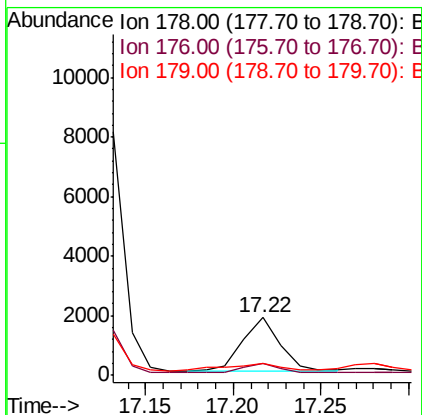
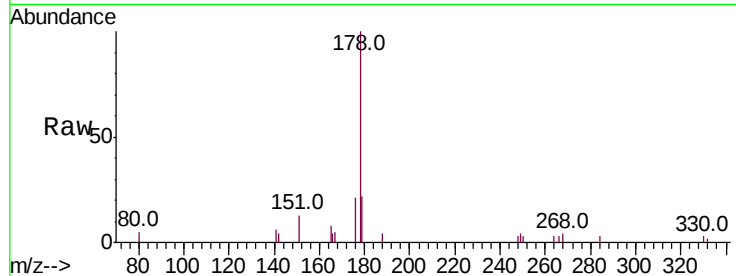
#24
 Anthracene
 Concen: 0.043 ng
 RT: 17.22 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BN004909.D
 Acq: 23 Mar 2019 05:37

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW071-031819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.5	21.7
179	18.3	12.2	18.4

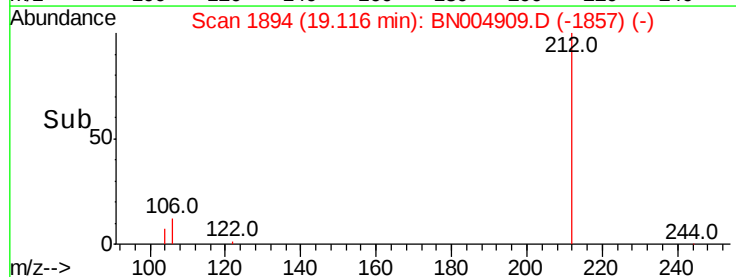
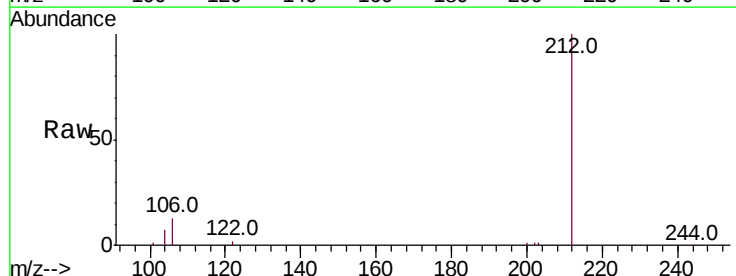
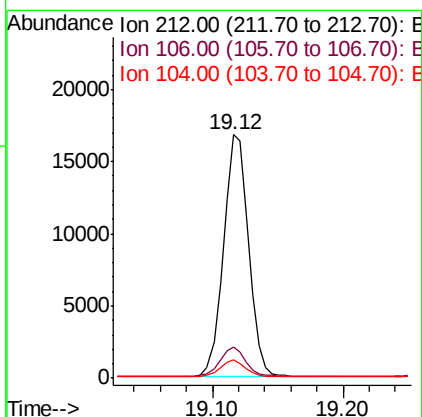
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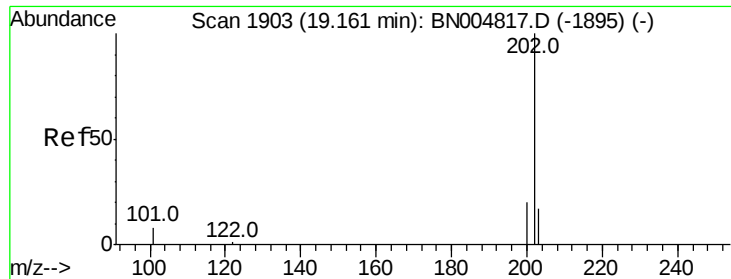
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#25
 Fluoranthene-d10
 Concen: 0.317 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. -0.02 min
 Lab File: BN004909.D
 Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.4	8.6	13.0
104	6.8	4.7	7.1





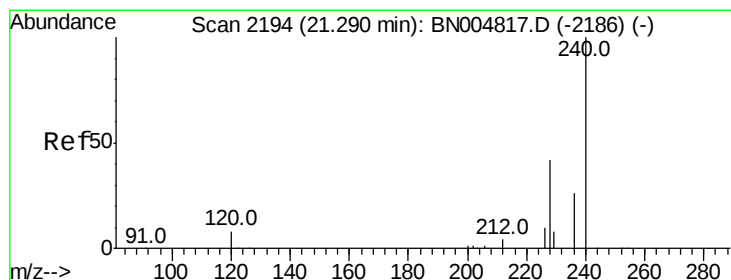
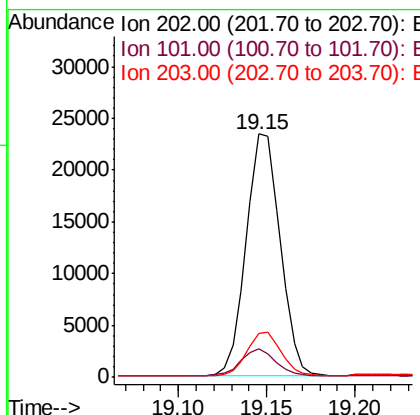
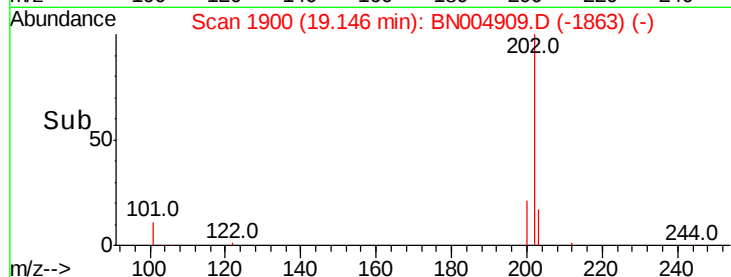
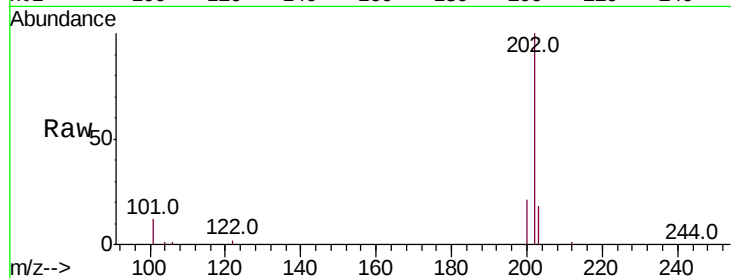
#26
Fluoranthene
Concen: 0.357 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Instrument :
BNA_N
ClientSampleId :
PST-026-SW071-031819

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	7.5	11.3#
203	17.6	13.8	20.6

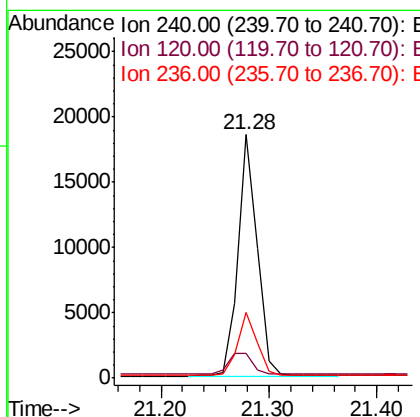
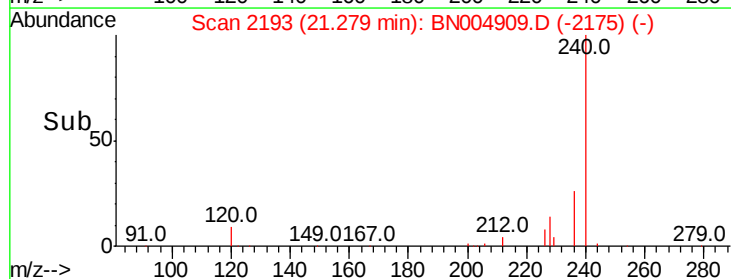
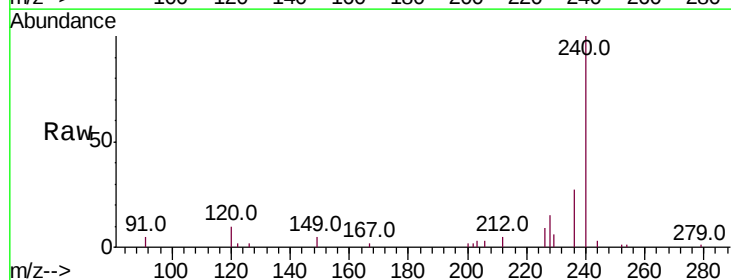
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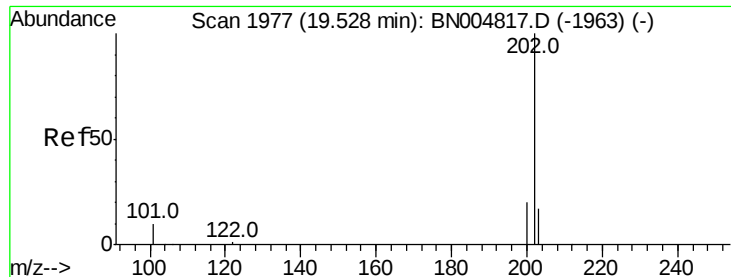
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.2	10.8
236	27.0	20.9	31.3





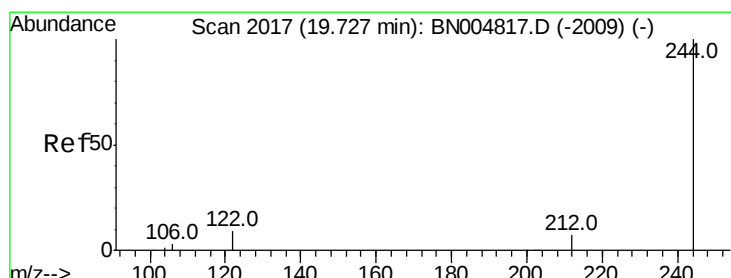
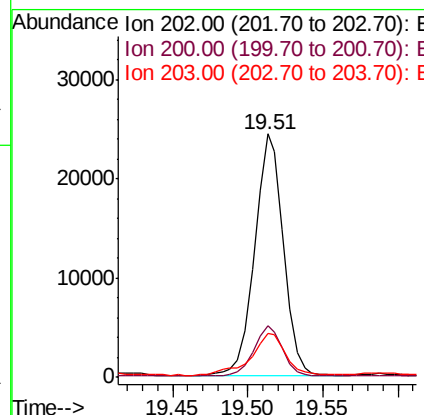
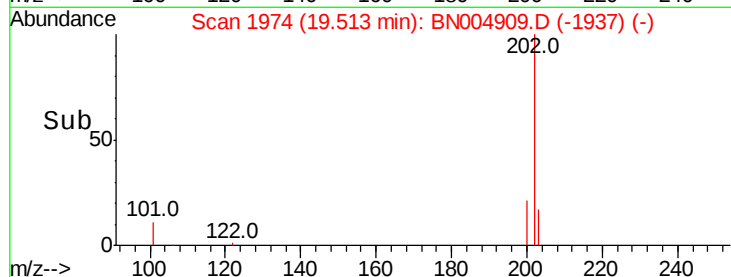
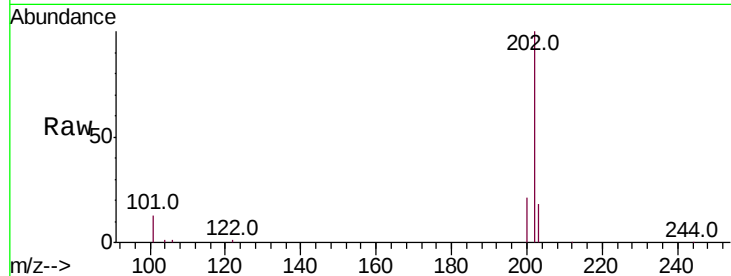
#28
Pvrene
Concen: 0.470 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Instrument :
BNA_N
ClientSampleId :
PST-026-SW071-031819

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	20.5	14.0	21.0

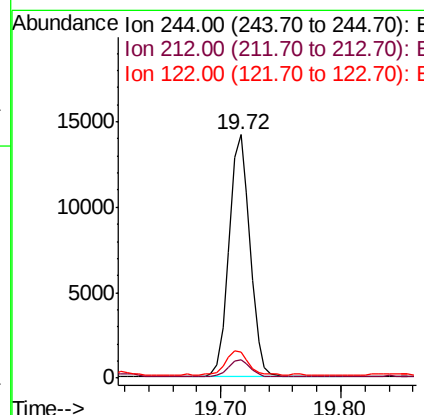
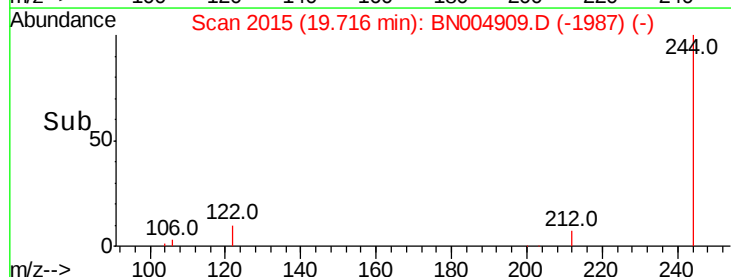
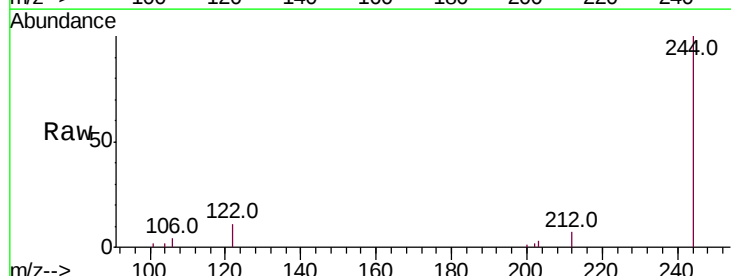
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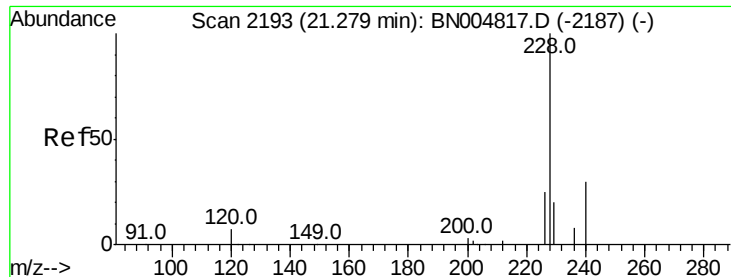
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#29
Terphenyl-d14
Concen: 0.368 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.8	7.9	11.9





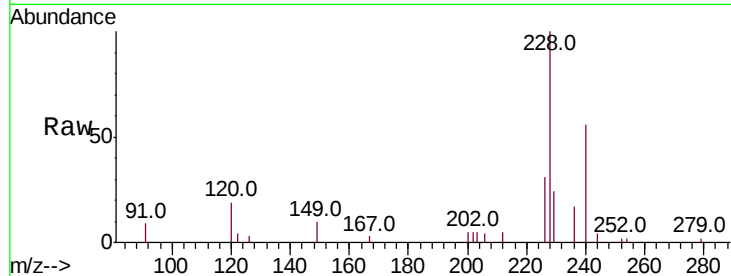
#30
Benzo(a)anthracene
Concen: 0.222 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Instrument :
BNA_N
ClientSampleId :
PST-026-SW071-031819

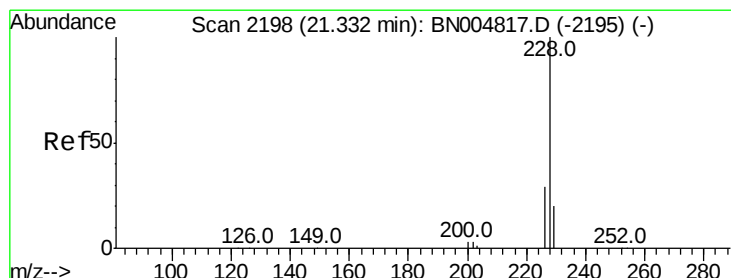
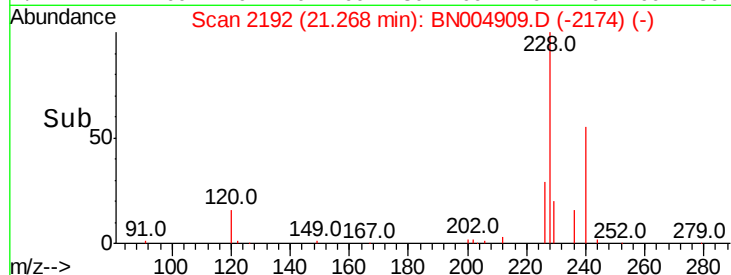
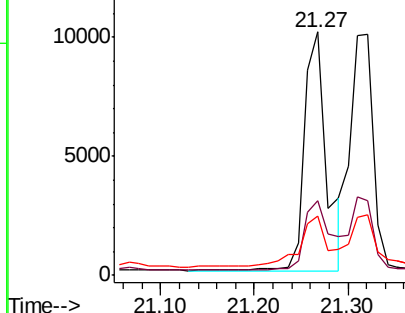
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	20.6	31.0
229	24.3	16.2	24.4

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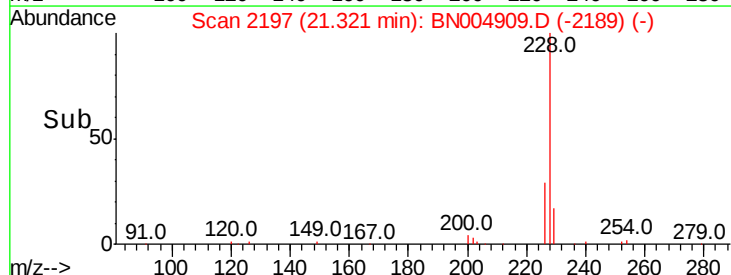
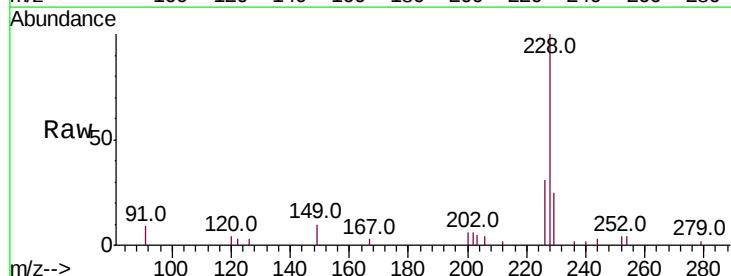
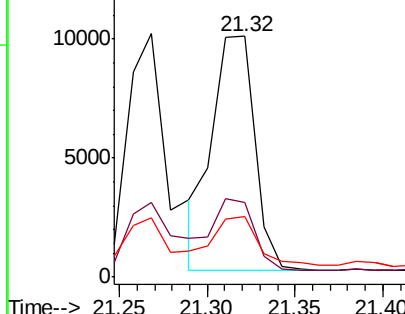
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

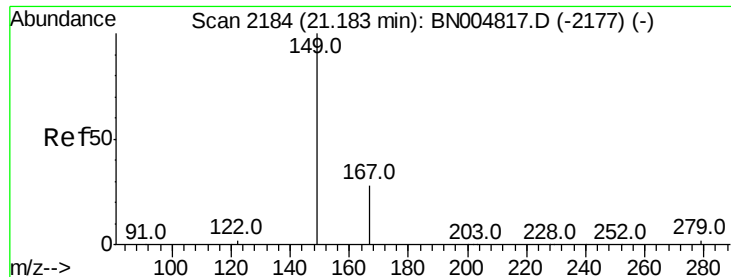


#31
Chrysene
Concen: 0.211 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.0	34.6
229	25.4	16.2	24.2#

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.215 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Instrument :

BNA_N

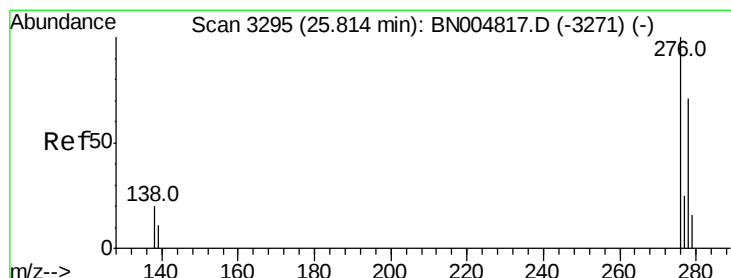
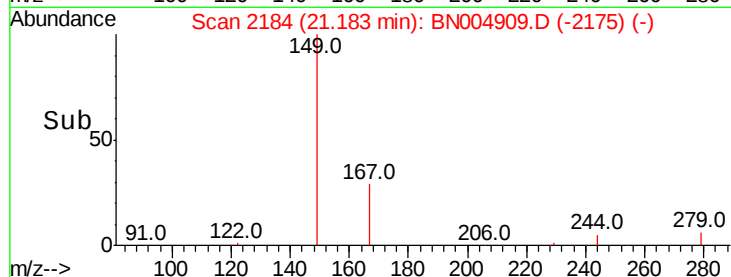
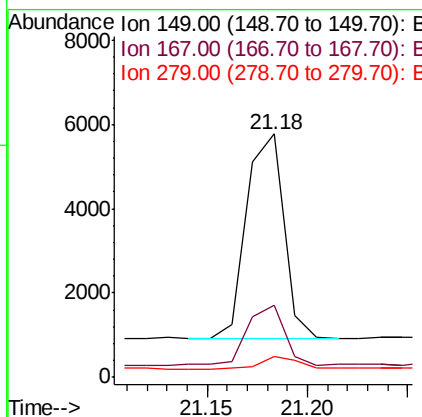
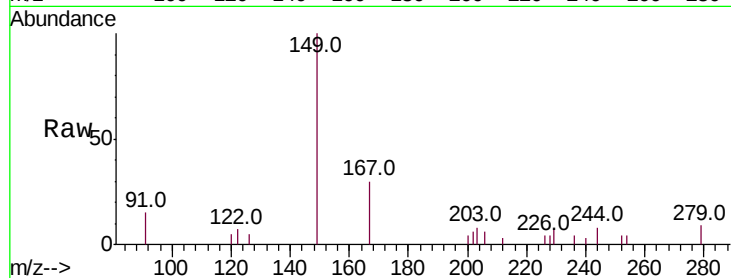
ClientSampleId :

PST-026-SW071-031819

Tot Ion:	149	Resp:	6374
Ion Ratio	Lower	Upper	
149	100		
167	29.3	23.0	34.4
279	5.6	4.6	6.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.070 ng

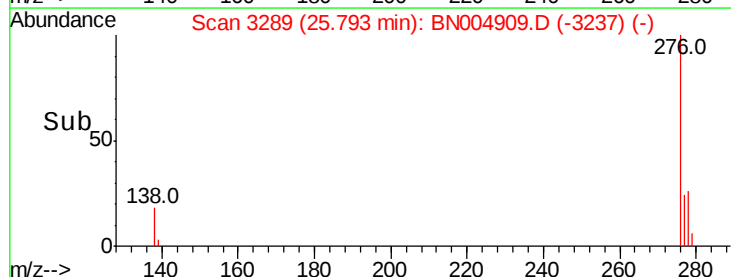
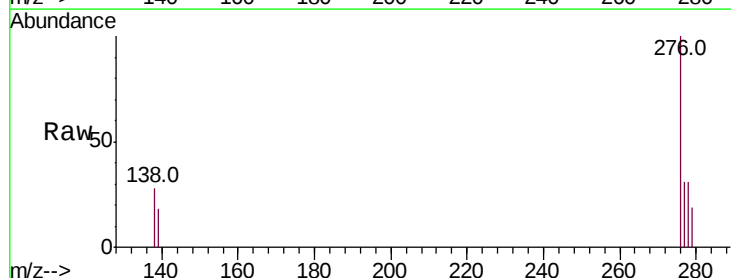
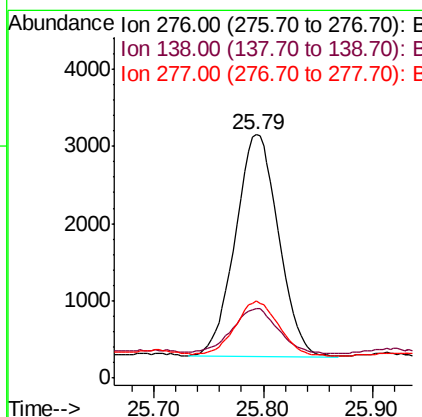
RT: 25.79 min Scan# 3289

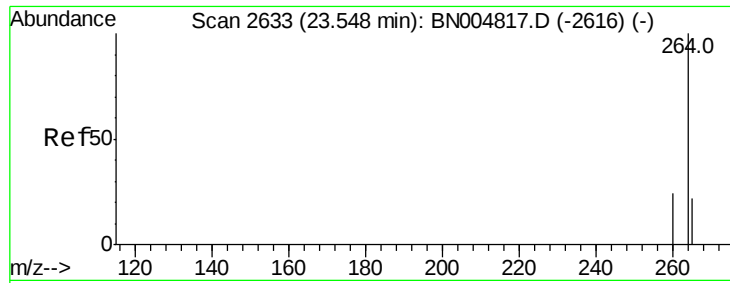
Delta R.T. -0.02 min

Lab File: BN004909.D

Acq: 23 Mar 2019 05:37

Tgt Ion:	276	Resp:	7963
Ion Ratio	Lower	Upper	
276	100		
138	21.7	16.6	24.8
277	24.8	20.3	30.5





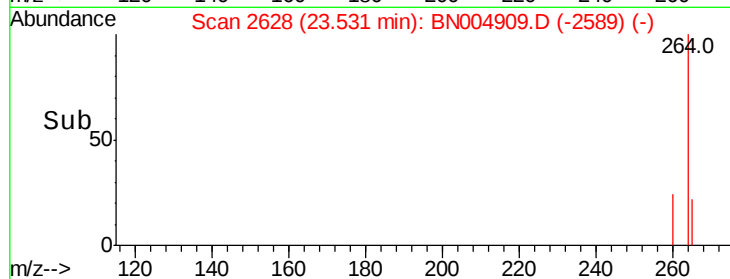
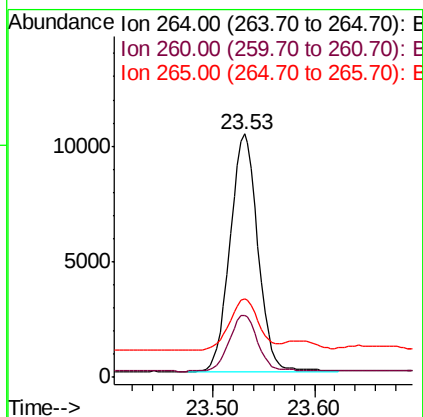
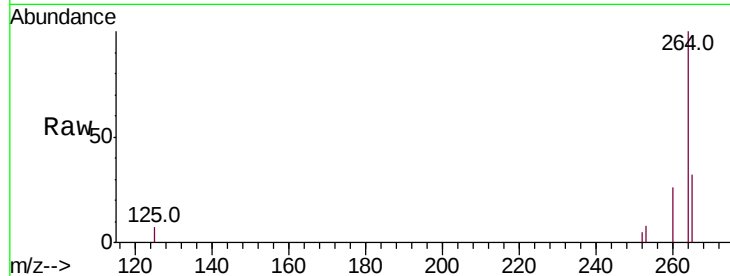
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Instrument :
BNA_N
ClientSampleId :
PST-026-SW071-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	32.5	23.1	34.7

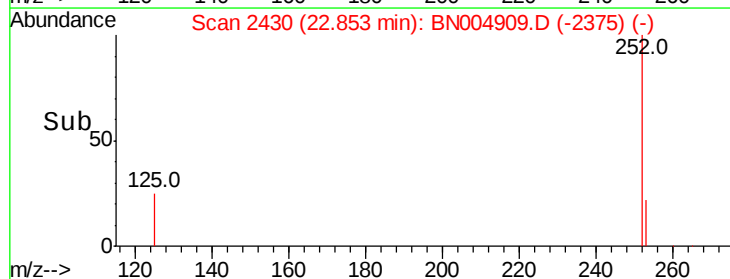
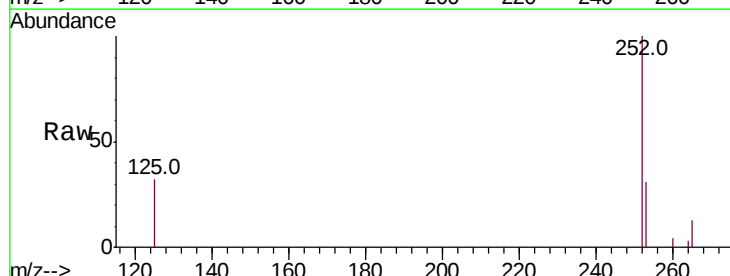
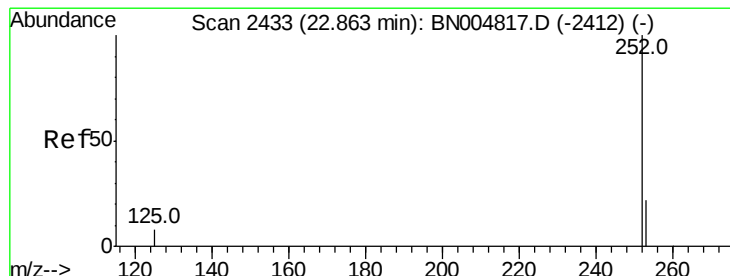
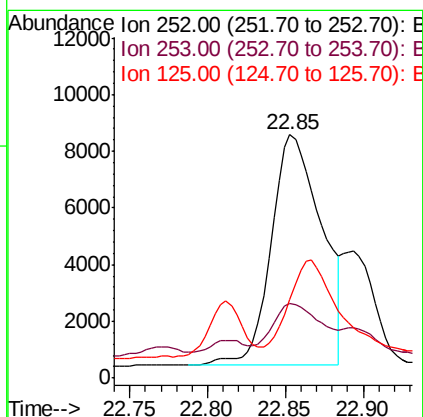
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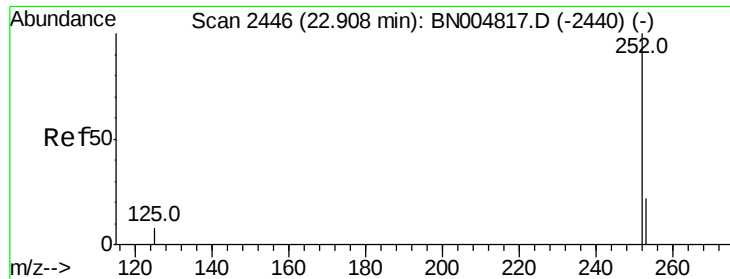
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#35
Benzo(b)fluoranthene
Concen: 0.257 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	19.0	28.4#
125	32.3	7.4	11.2#





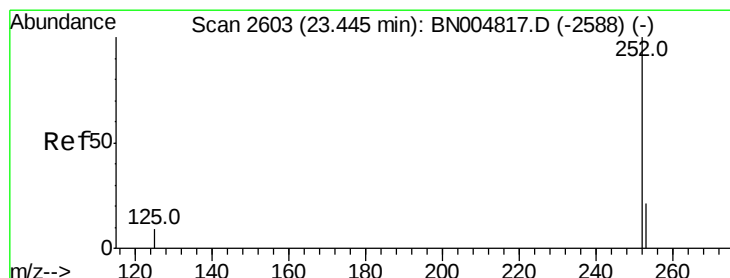
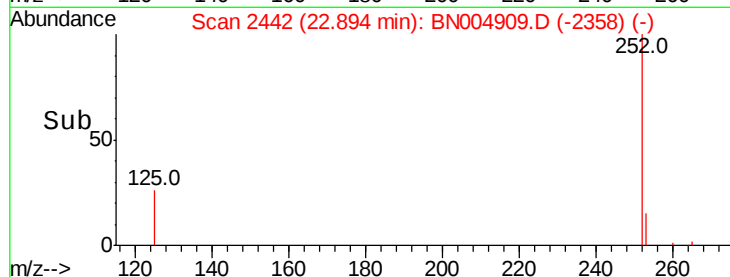
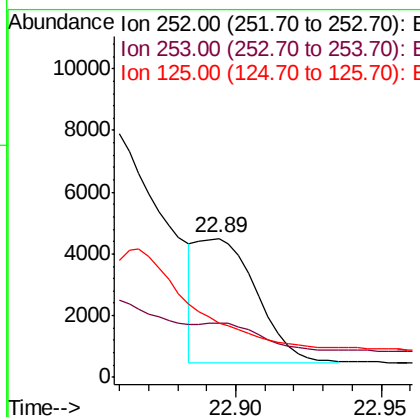
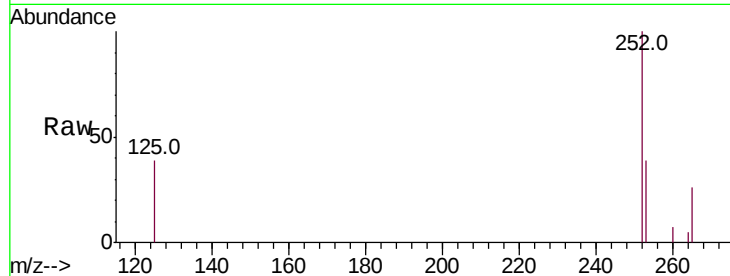
#36
Benzo(k)fluoranthene
Concen: 0.083 ng m
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Instrument :
BNA_N
ClientSampleId :
PST-026-SW071-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	39.5	19.3	28.9#
125	39.5	7.4	11.0#

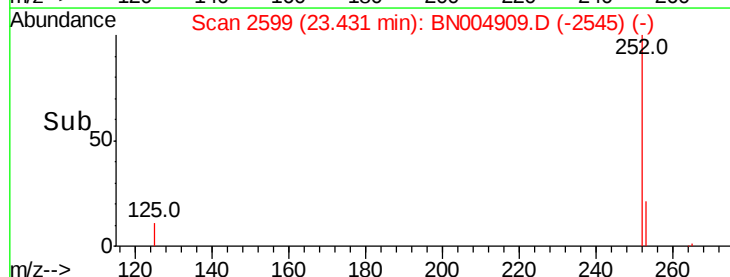
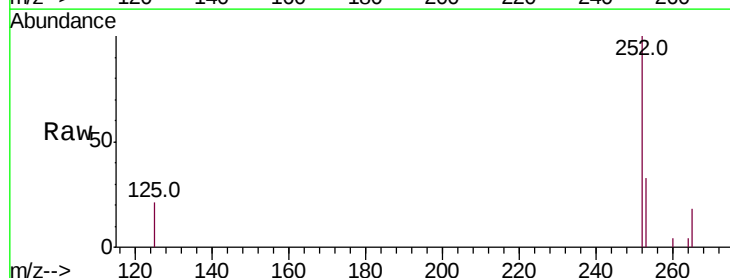
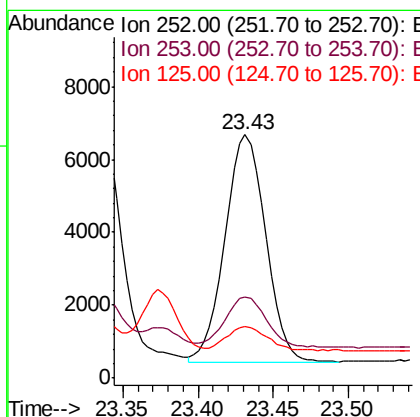
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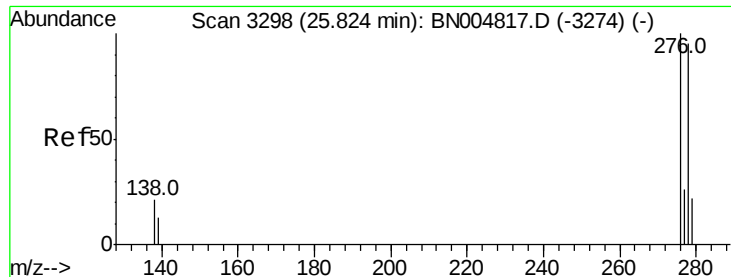
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#37
Benzo(a)pyrene
Concen: 0.176 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	19.7	29.5#
125	21.3	8.3	12.5#





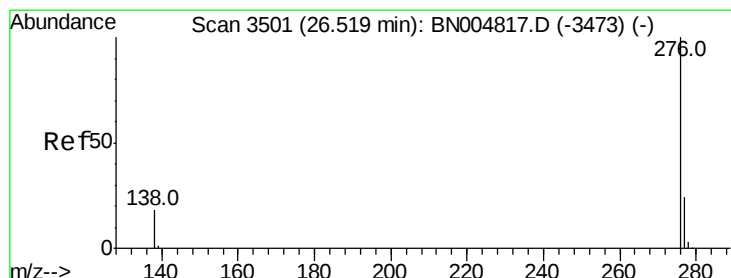
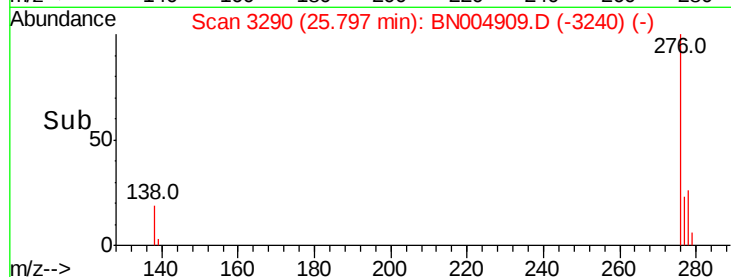
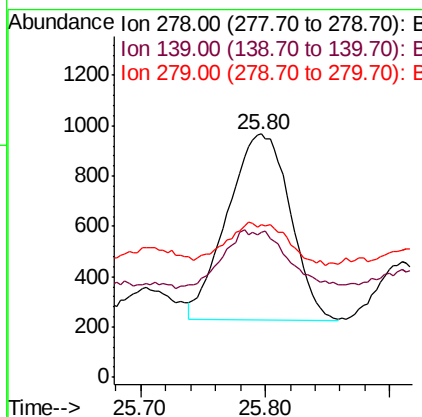
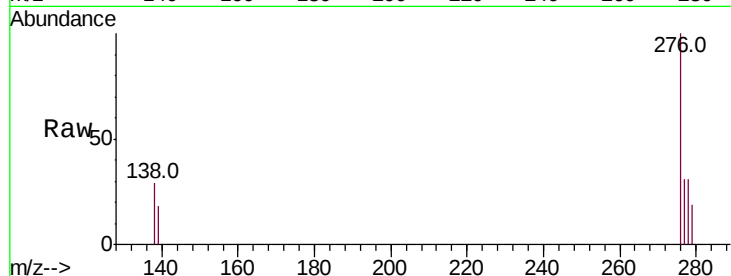
#38
Dibenzo(a,h)anthracene
Concen: 0.034 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Instrument :
BNA_N
ClientSampleId :
PST-026-SW071-031819

Tot Ion	Ratio	Lower	Upper
278	100		
139	59.5	11.7	17.5#
279	62.9	19.9	29.9#

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#39
Benzo(g,h,i)perylene
Concen: 0.120 ng
RT: 26.49 min Scan# 3493
Delta R.T. -0.03 min
Lab File: BN004909.D
Acq: 23 Mar 2019 05:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.6	19.7	29.5#
138	26.7	14.6	22.0#

