

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004861.D
 Acq On : 21 Mar 2019 21:45
 Operator : JU/SJ
 Sample : K1817-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW010-2-030619

Manual Integrations
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 3/22/2019 7:16:25 PM

Quant Time: Mar 22 02:43:20 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	1802	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	8286	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	5316	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	14090	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19944	0.40	ng	0.00
34) Perylene-d12	23.54	264	21968	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	2022	0.41	ng	0.00
5) Phenol-d6	6.87	99	2751	0.45	ng	0.00
8) Nitrobenzene-d5	8.87	82	1945	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	5117	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1173	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	7914	0.36	ng	0.00
25) Fluoranthene-d10	19.13	212	15676	0.33	ng	0.00
29) Terphenyl-d14	19.72	244	12173	0.30	ng	0.00
Target Compounds						
23) Phenanthrene	17.13	178	3997	0.088	ng	Qvalue 98
26) Fluoranthene	19.16	202	8872	0.152	ng	# 97
28) Pyrene	19.52	202	8044	0.132	ng	97
30) Benzo(a)anthracene	21.27	228	6463	0.099	ng	94
31) Chrysene	21.32	228	5691	0.083	ng	93
32) Bis(2-ethylhexyl)phthalate	21.18	149	2892	0.111	ng	99
33) Indeno(1,2,3-cd)pyrene	25.82	276	4090	0.041	ng	98
35) Benzo(b)fluoranthene	22.86	252	7598	0.096	ng	# 71
36) Benzo(k)fluoranthene	22.90	252	3317m	0.042	ng	
37) Benzo(a)pyrene	23.45	252	5981	0.082	ng	# 77
39) Benzo(a,h,i)perylene	26.52	276	3808	0.044	ng	# 86

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

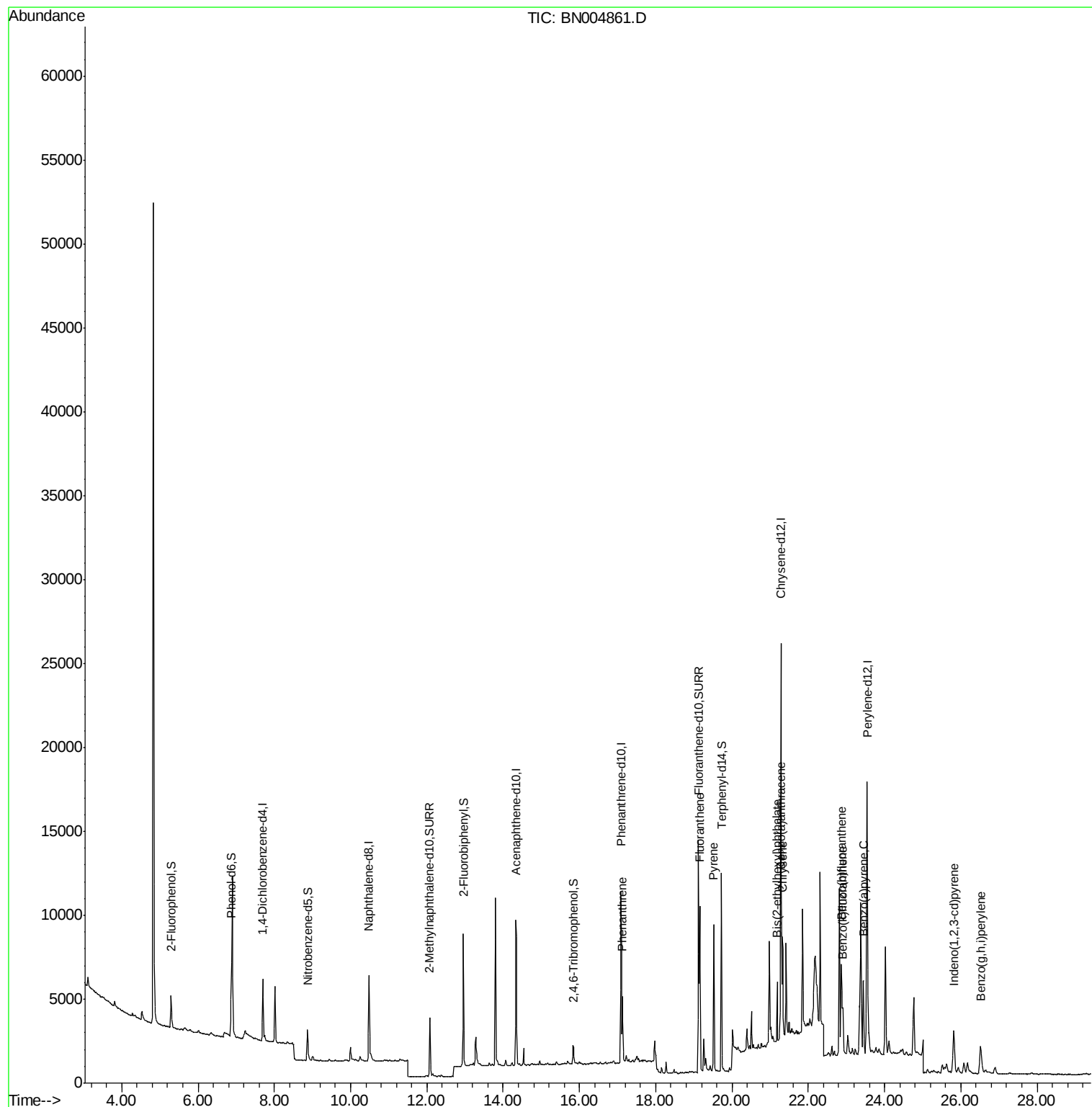
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004861.D
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Operator : JU/SJ
Sample : K1817-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

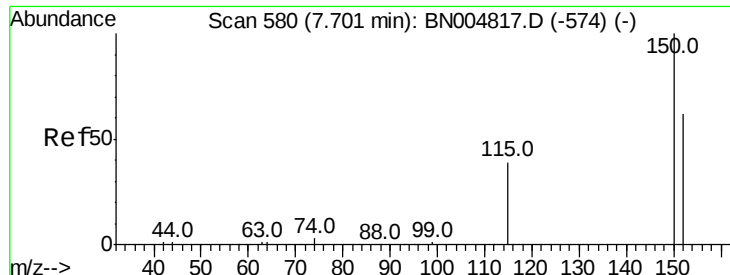
Instrument :
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PST-027-SW010-2-030619

Quant Time: Mar 22 02:43:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
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#1

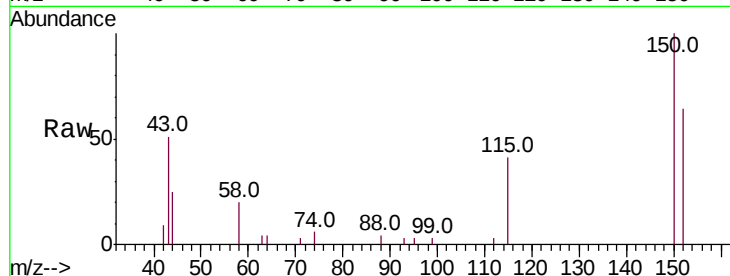
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.4
115	63.5	52.6	79.0

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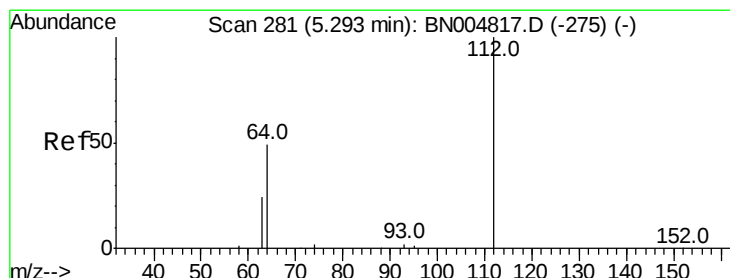
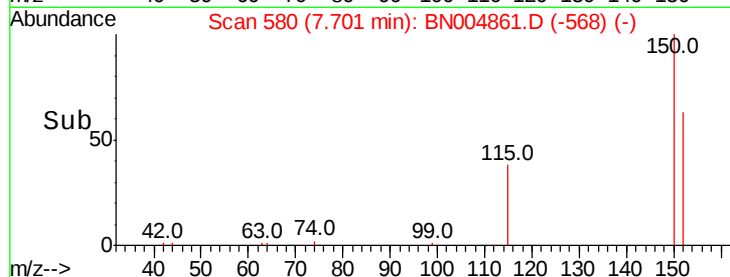
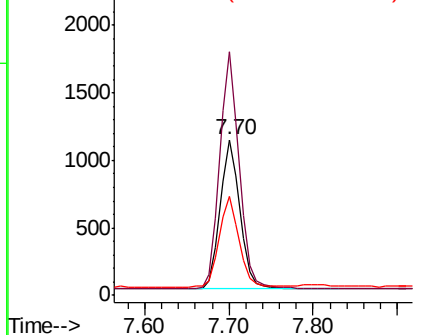


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

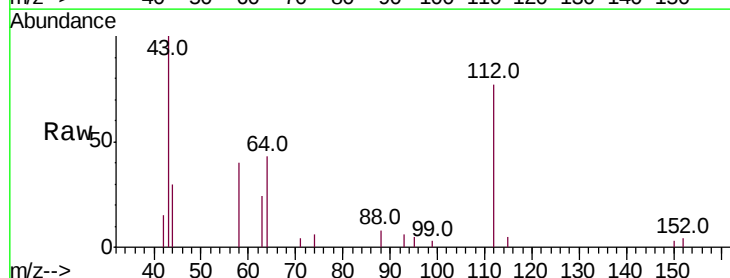
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.413 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	40.0	60.0
63	25.7	20.2	30.2

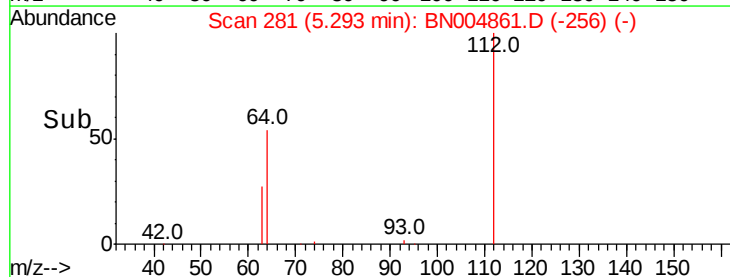
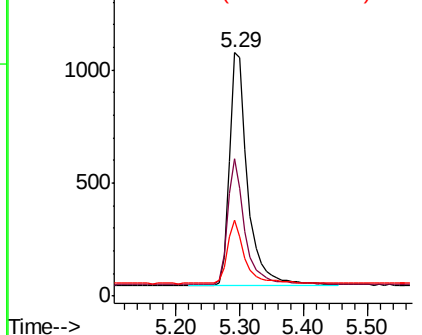


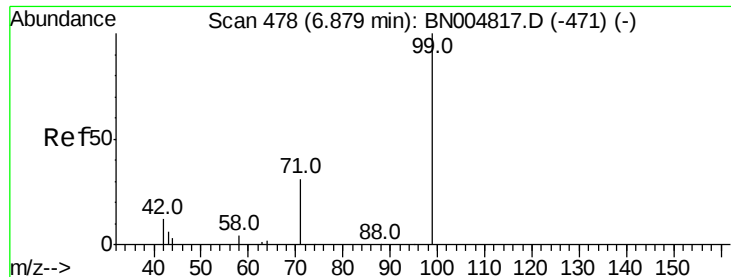
Abundance

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: 0.451 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

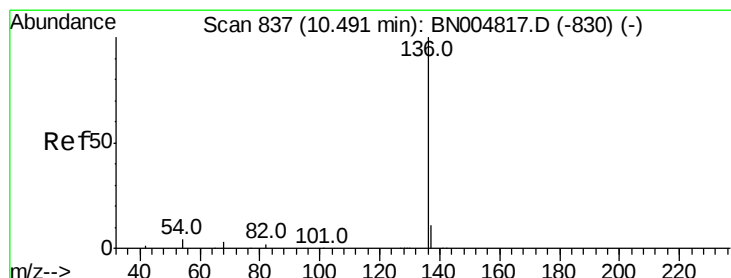
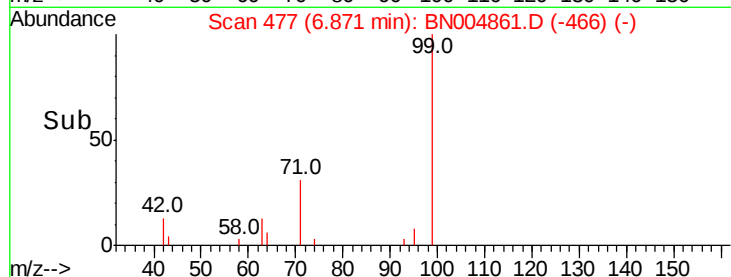
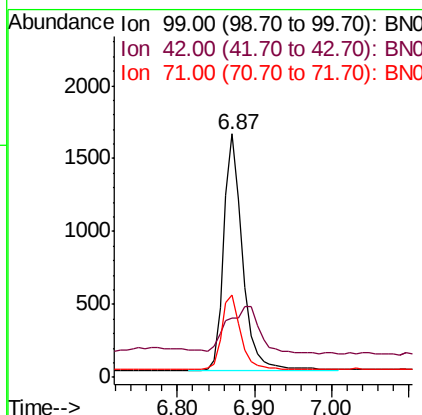
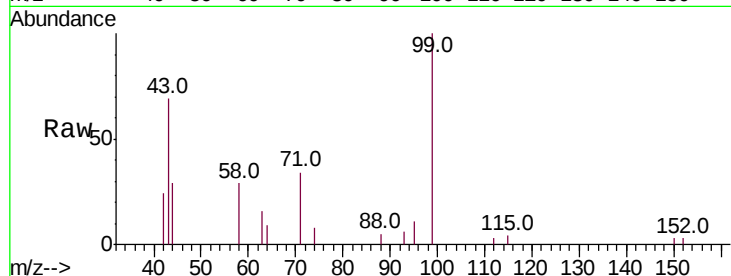
ClientSampleId :

PST-027-SW010-2-030619

Tot Ion:	99	Resp:	2751
Ion Ratio	Lower	Upper	
99	100		
42	33.6	12.7	19.1#
71	31.9	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

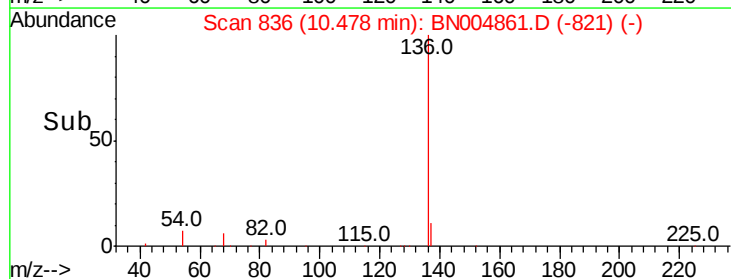
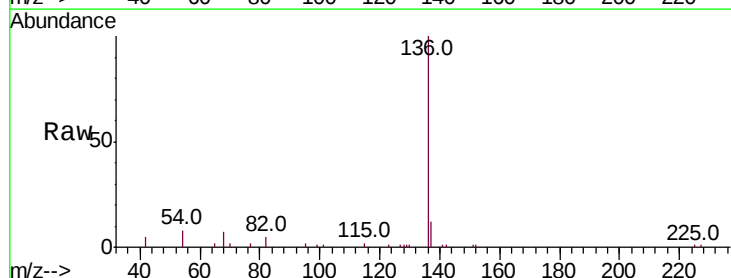
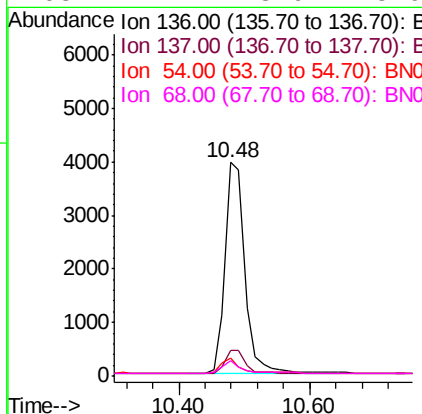
RT: 10.48 min Scan# 836

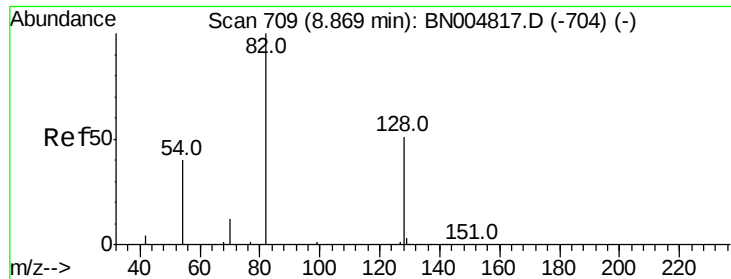
Delta R.T. -0.01 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Tgt Ion:	136	Resp:	8286
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.6	14.4
54	8.3	4.2	6.2#
68	7.1	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.355 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

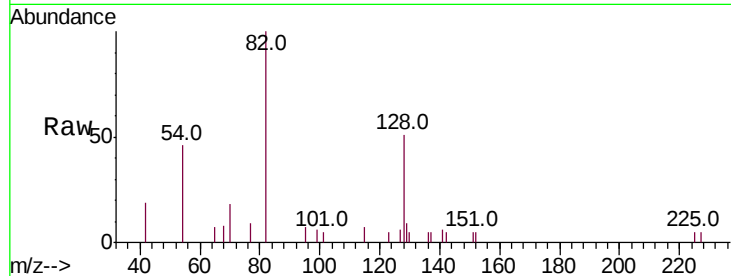
ClientSampleId :

PST-027-SW010-2-030619

Tot Ion:	82	Resp:	1945
Ion Ratio	Lower	Upper	
82	100		
128	51.4	43.0	64.6
54	45.6	35.3	52.9

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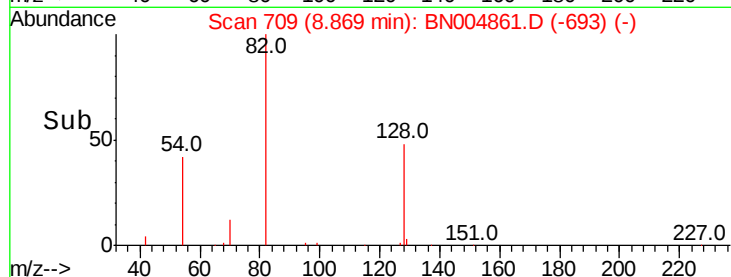
Abundance Ion 82.00 (81.70 to 82.70): BN004861.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004861.D (-693) (-)

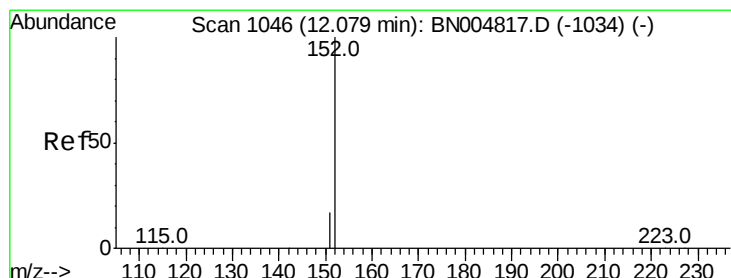
Ion 54.00 (53.70 to 54.70): BN004861.D (-693) (-)

8.87

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.354 ng

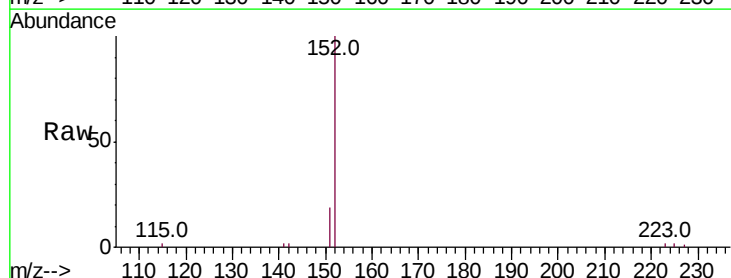
RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Tgt Ion:	152	Resp:	5117
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.5	23.3

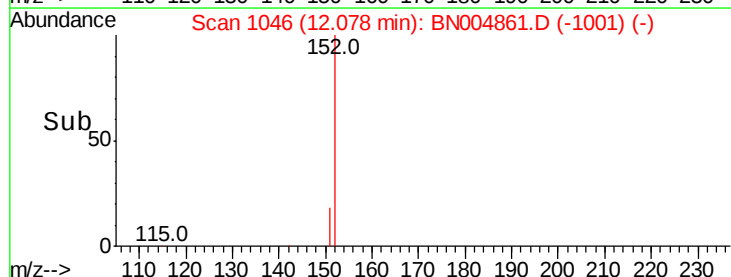


Abundance Ion 152.00 (151.70 to 152.70): BN004861.D (-1001) (-)

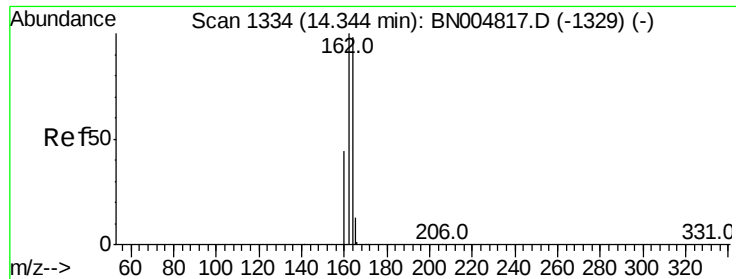
Ion 151.00 (150.70 to 151.70): BN004861.D (-1001) (-)

12.08

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

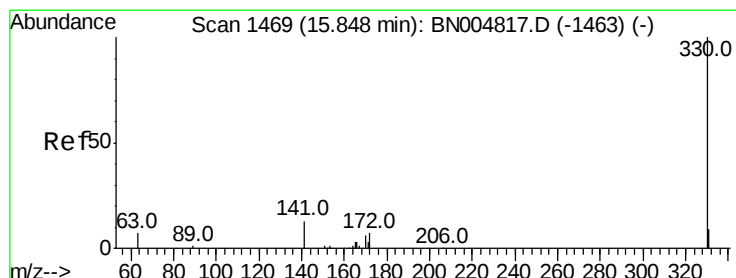
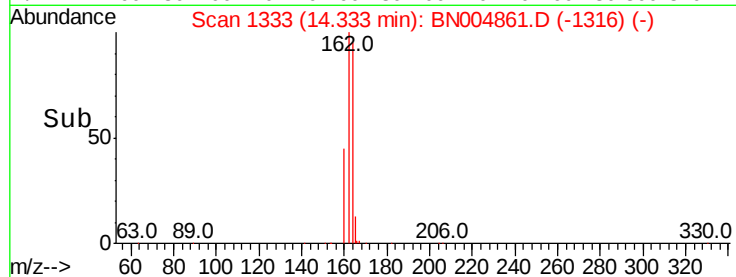
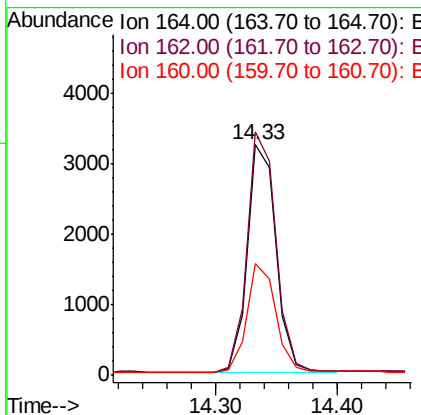
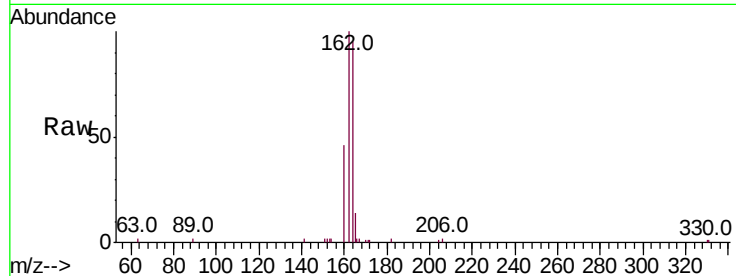
ClientSampleId :

PST-027-SW010-2-030619

Tot Ion:	164	Resp:	5316
Ion Ratio	Lower	Upper	
164	100		
162	105.6	81.9	122.9
160	48.7	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.319 ng

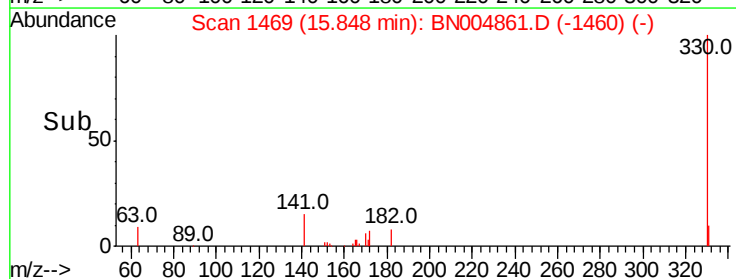
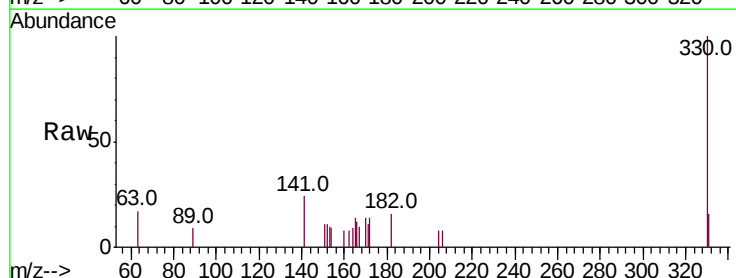
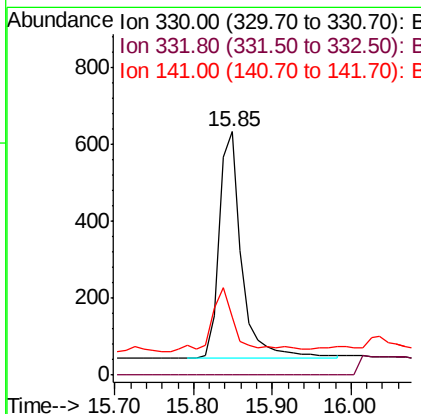
RT: 15.85 min Scan# 1469

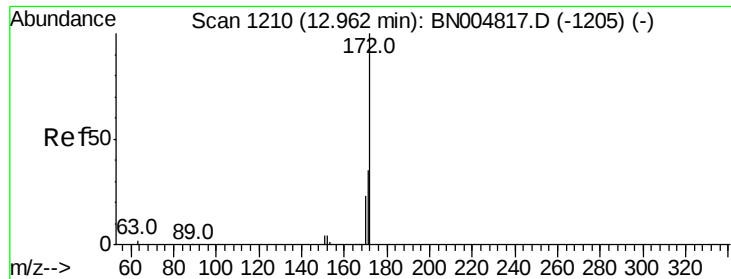
Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Tgt Ion:	330	Resp:	1173
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	31.1	20.9	31.3





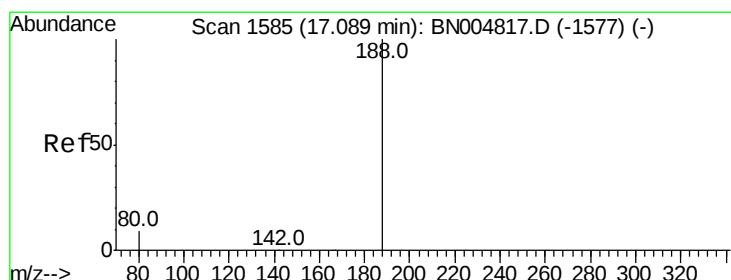
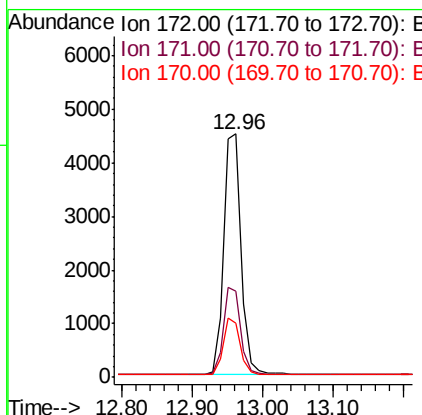
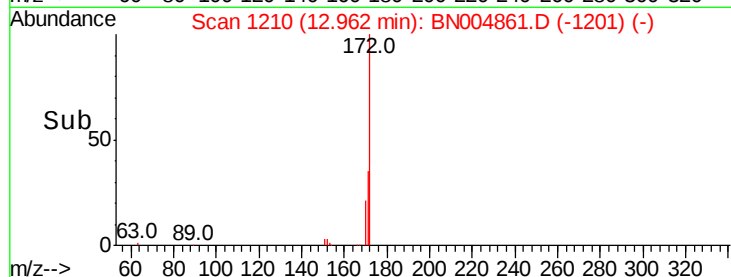
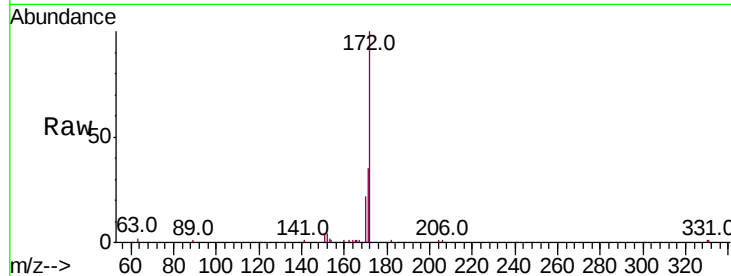
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	22.2	18.7	28.1

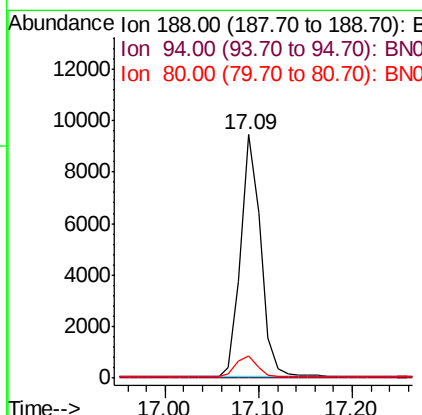
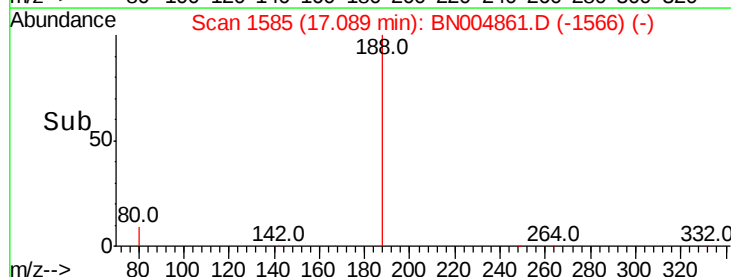
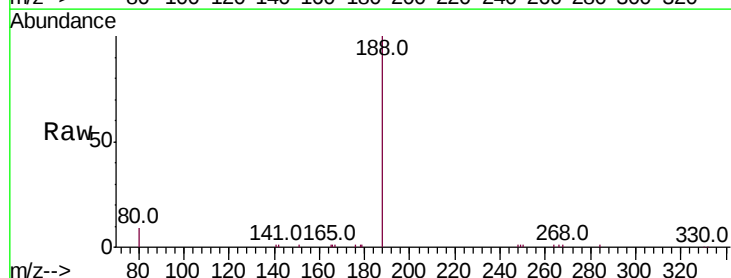
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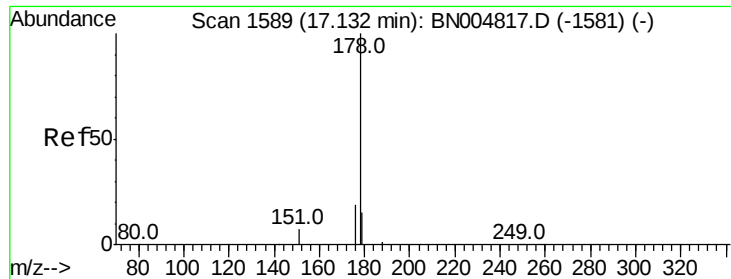
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.4	11.2





#23

Phenanthrene

Concen: 0.088 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

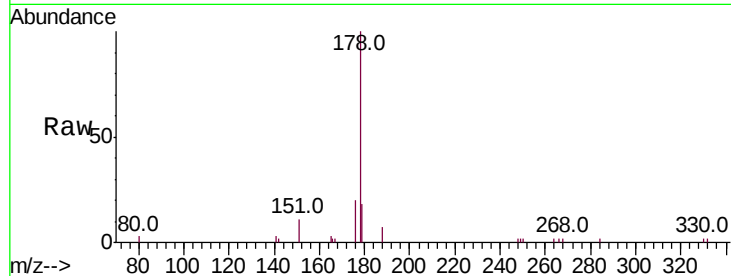
ClientSampleId :

PST-027-SW010-2-030619

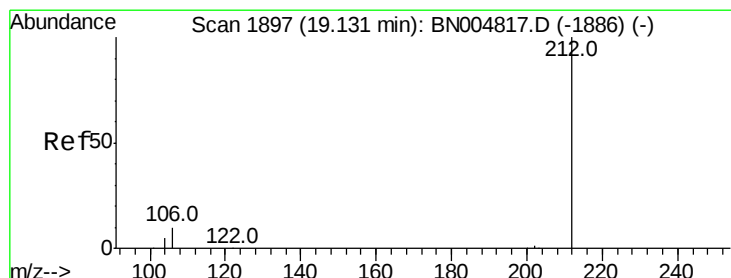
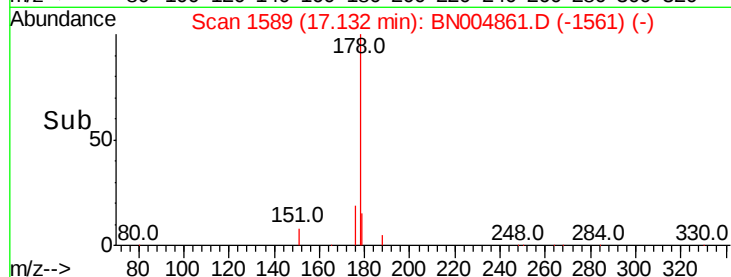
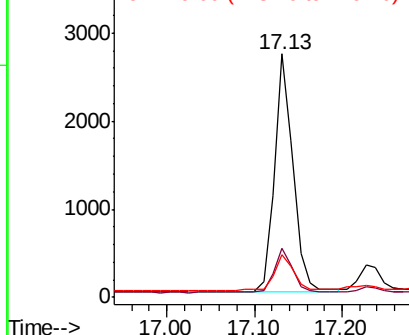
Tot Ion:	178	Resp:	3997
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.9	22.3
179	16.3	12.1	18.1

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.332 ng

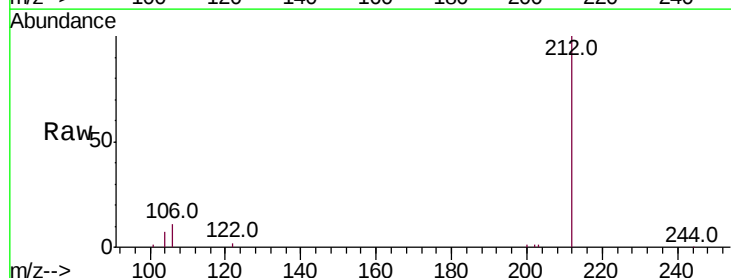
RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

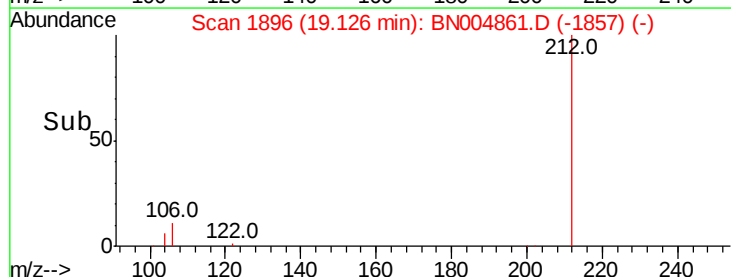
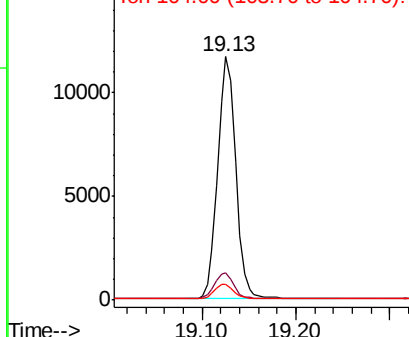
Lab File: BN004861.D

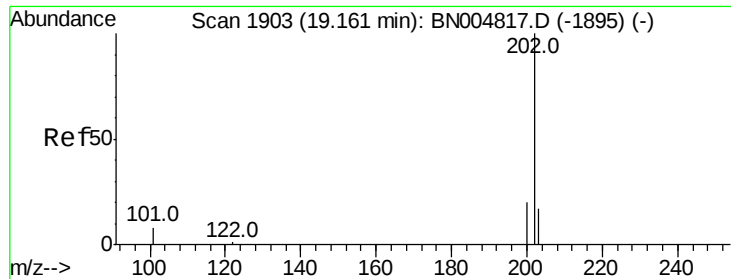
Acq: 21 Mar 2019 21:45

Tgt Ion:	212	Resp:	15676
Ion Ratio	Lower	Upper	
212	100		
106	11.5	8.6	13.0
104	6.3	4.7	7.1



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E





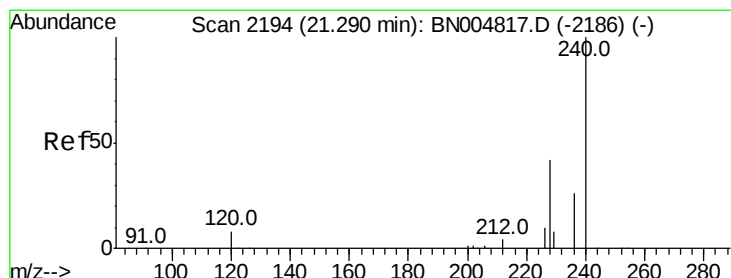
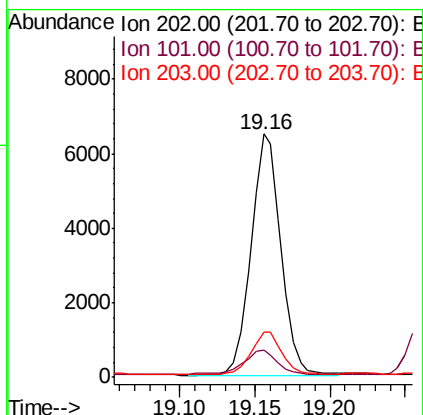
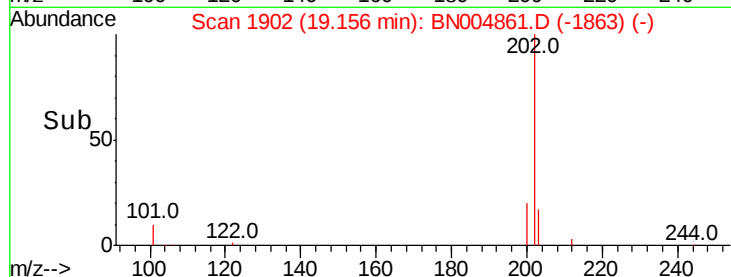
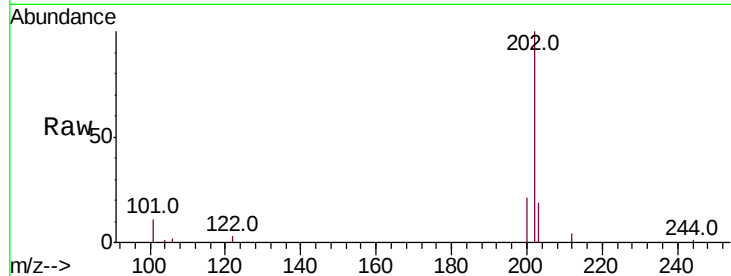
#26
Fluoranthene
 Concen: 0.152 ng
 RT: 19.16 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: BN004861.D
 Acq: 21 Mar 2019 21:45

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW010-2-030619

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	7.5	11.3#
203	17.7	13.8	20.6

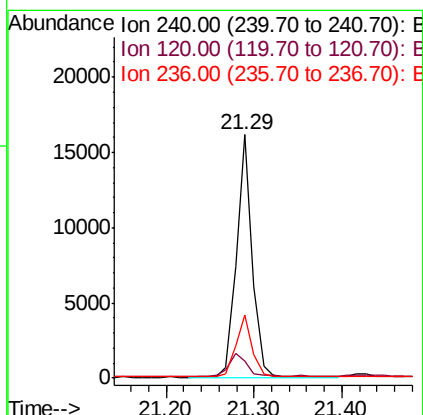
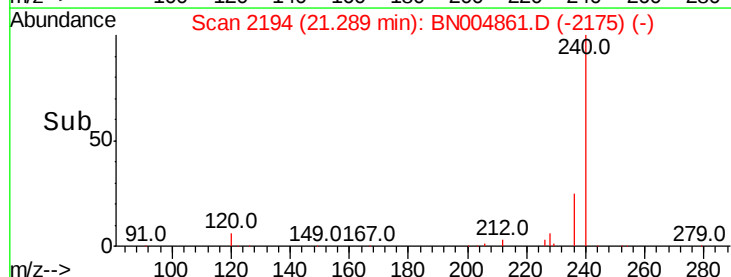
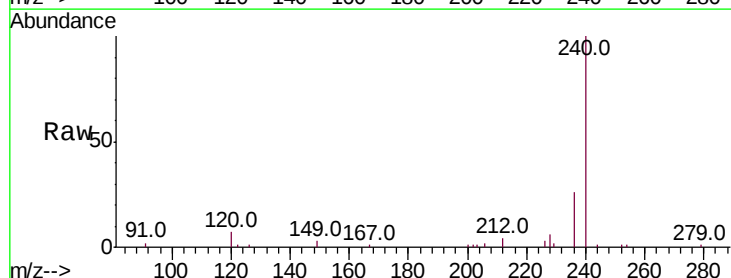
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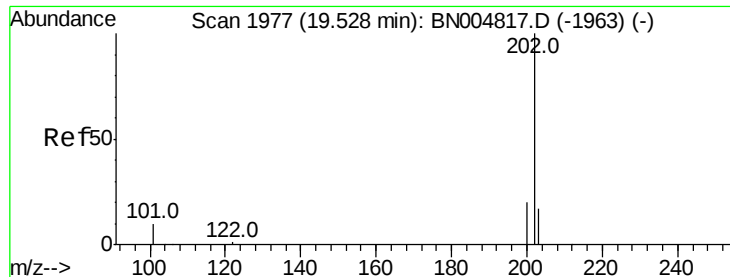
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BN004861.D
 Acq: 21 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.9	7.2	10.8#
236	25.8	20.9	31.3





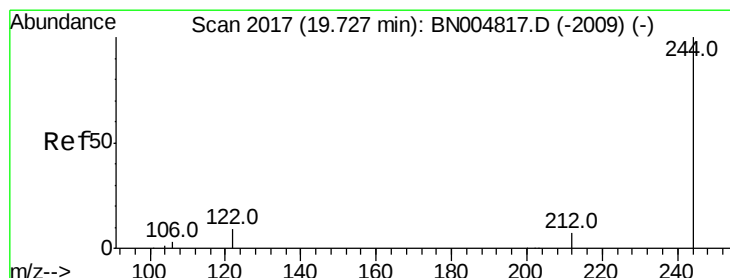
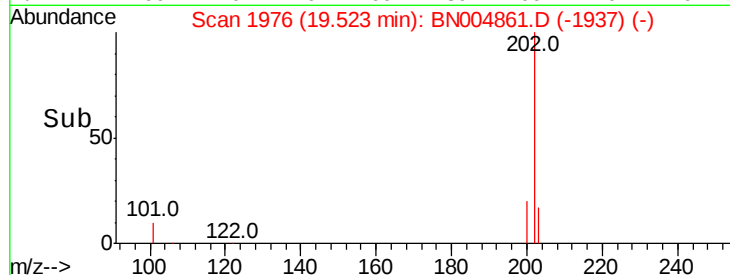
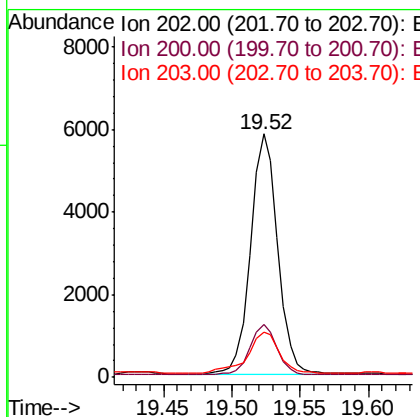
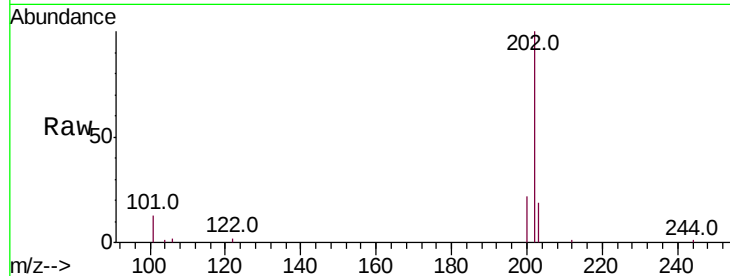
#28
Pvrene
Concen: 0.132 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.1	14.0	21.0

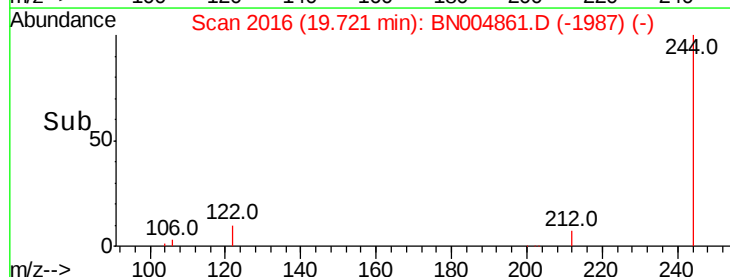
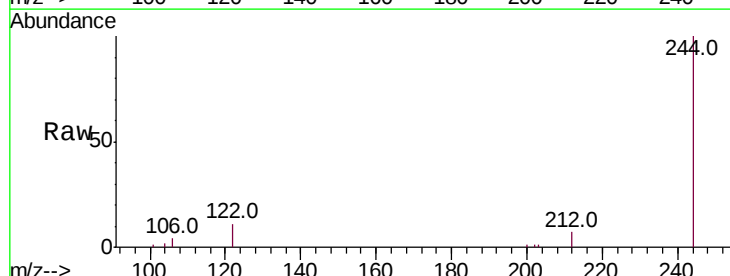
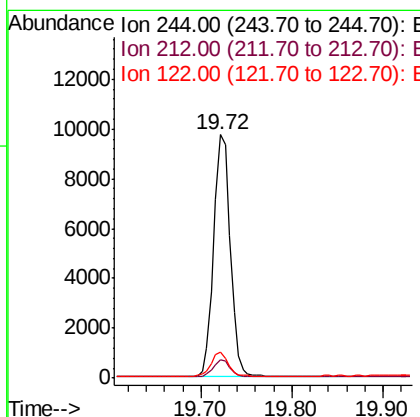
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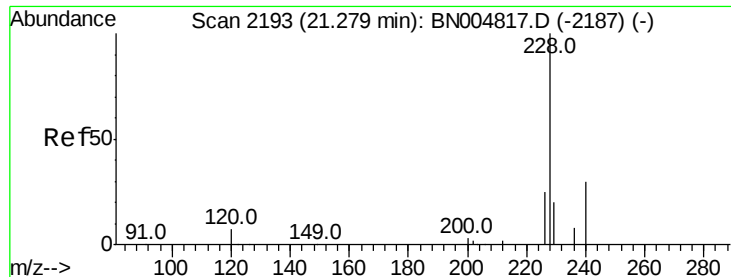
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#29
Terphenyl-d14
Concen: 0.298 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	10.6	7.9	11.9





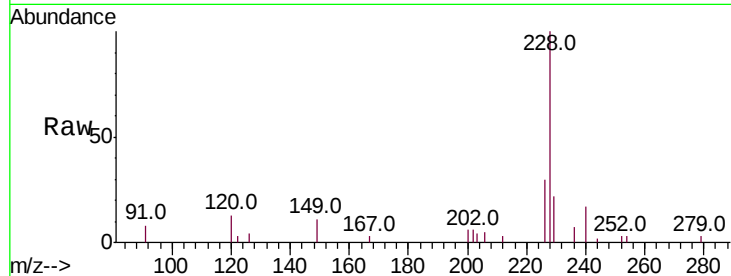
#30
Benzo(a)anthracene
Concen: 0.099 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

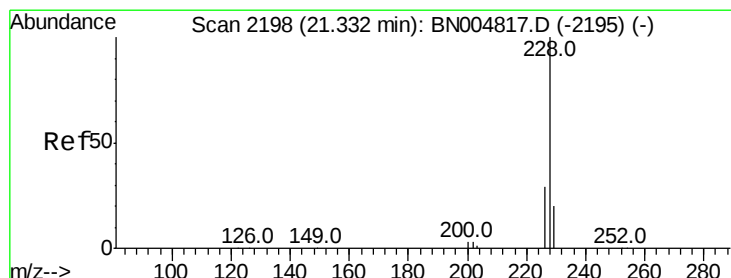
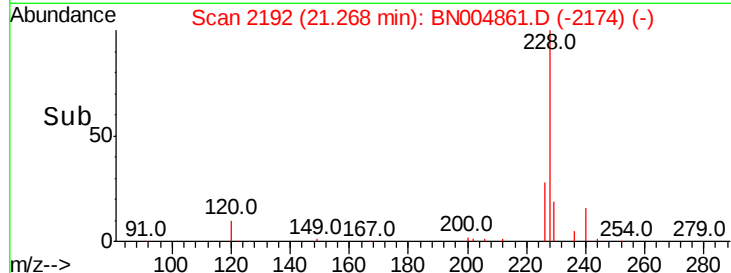
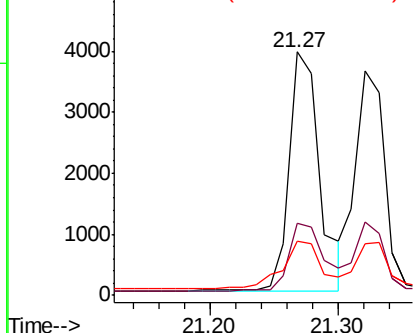
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	20.6	31.0
229	22.5	16.2	24.4

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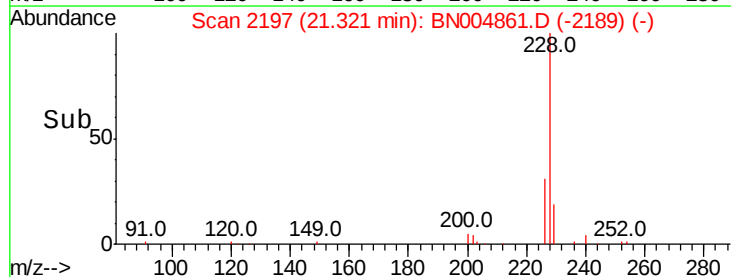
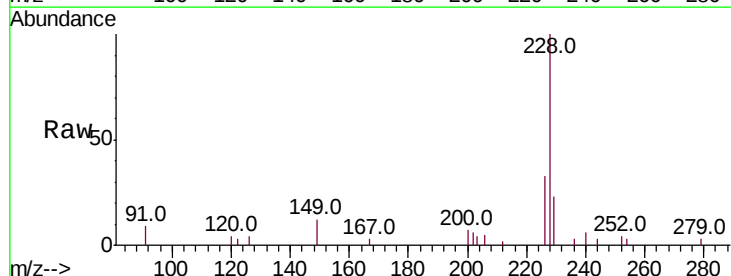
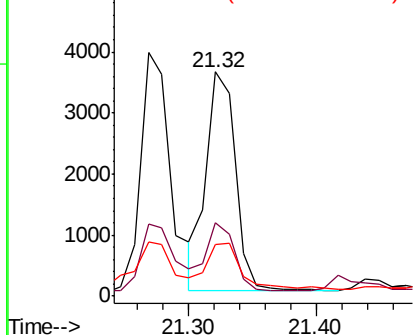
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

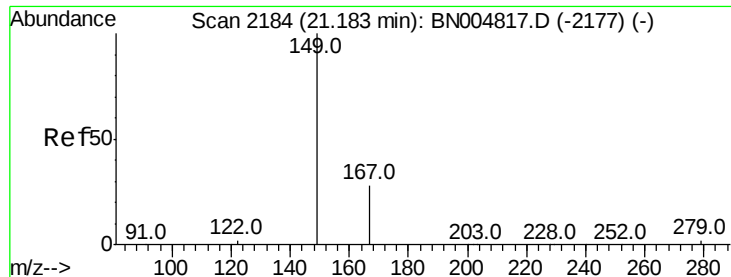


#31
Chrysene
Concen: 0.083 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.0	34.6
229	22.9	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





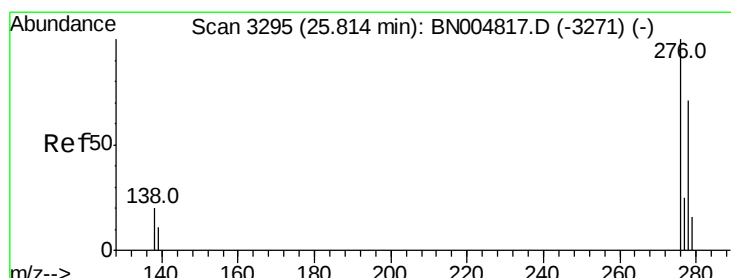
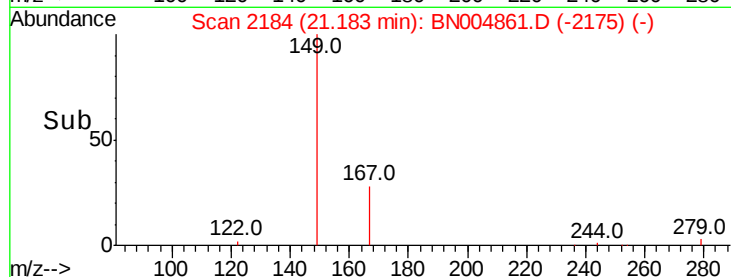
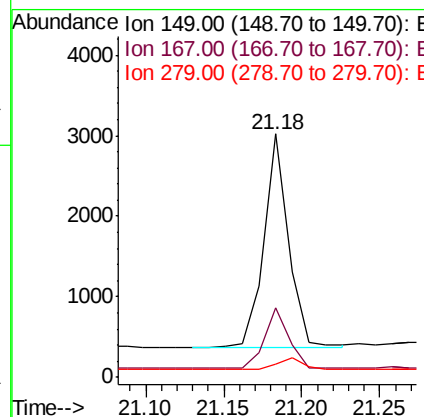
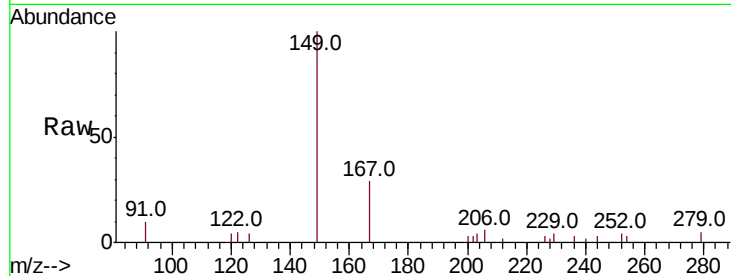
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.111 ng
 RT: 21.18 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: BN004861.D
 Acq: 21 Mar 2019 21:45

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW010-2-030619

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.0	34.4
279	5.6	4.6	6.8

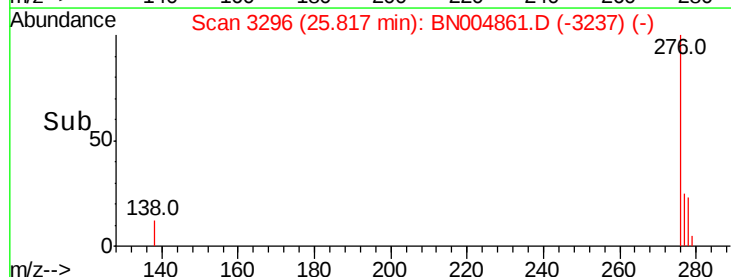
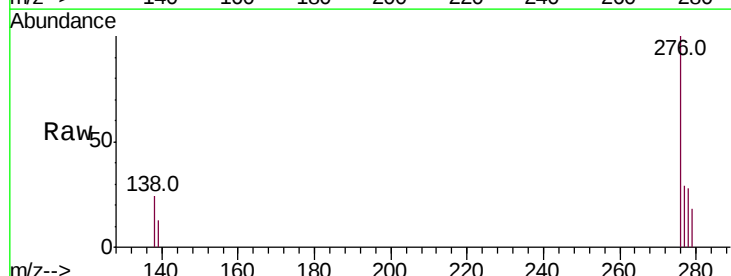
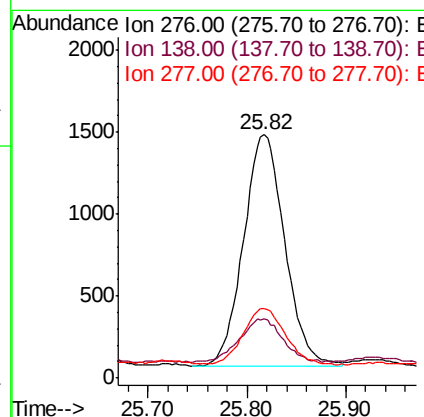
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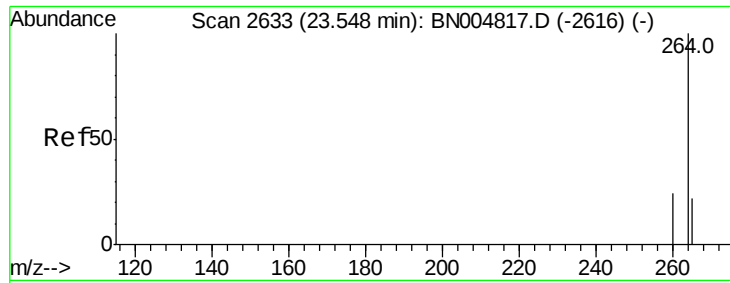
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.041 ng
 RT: 25.82 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: BN004861.D
 Acq: 21 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	16.6	24.8
277	24.4	20.3	30.5





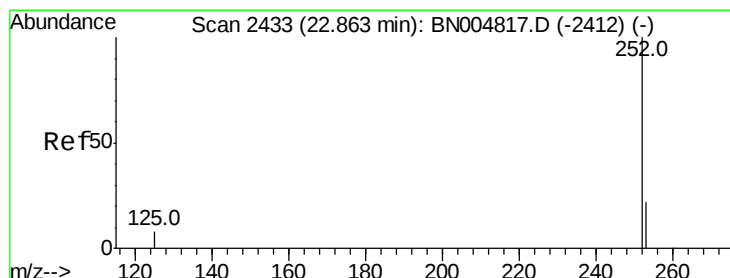
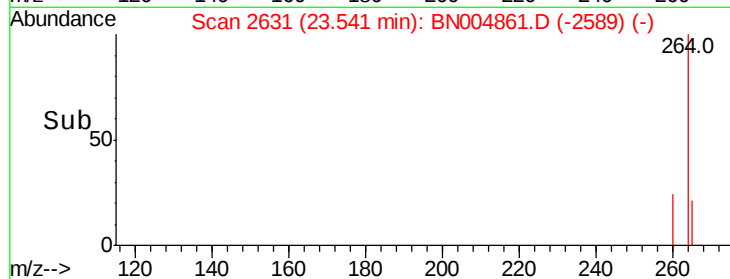
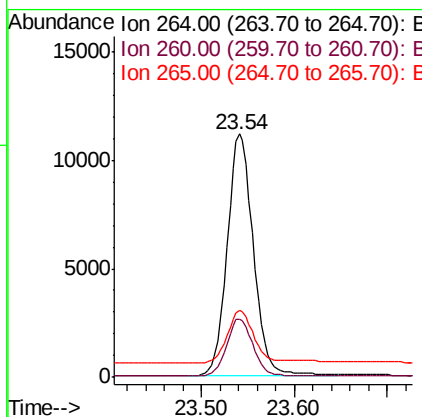
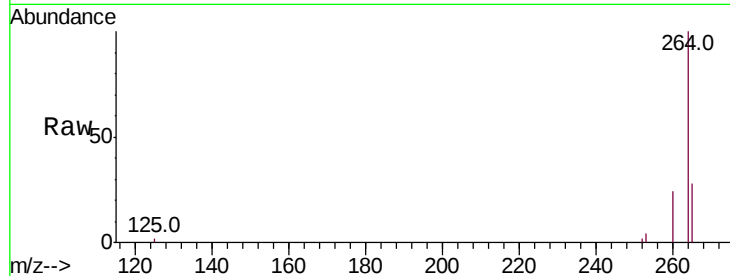
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	27.5	23.1	34.7

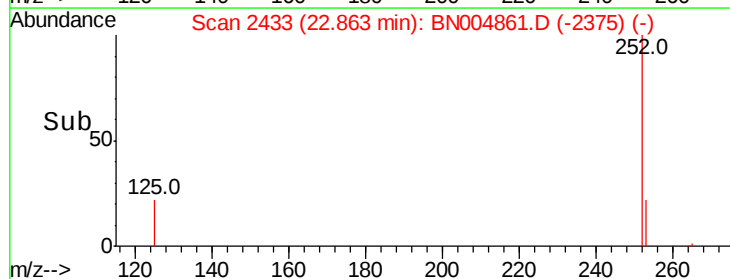
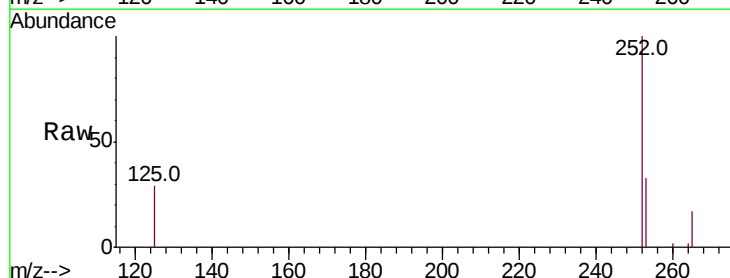
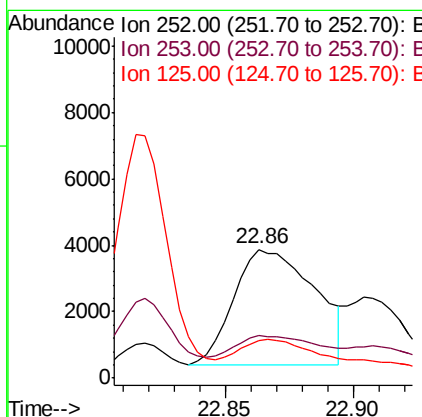
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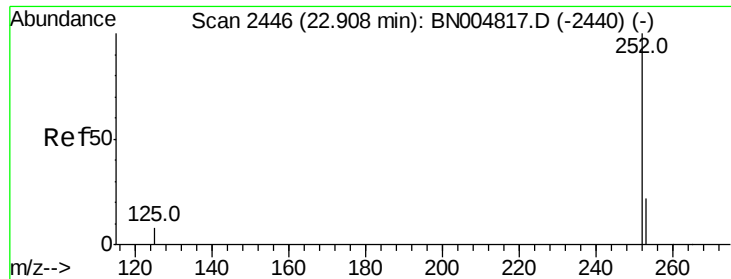
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#35
Benzo(b)fluoranthene
Concen: 0.096 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	19.0	28.4#
125	29.1	7.4	11.2#





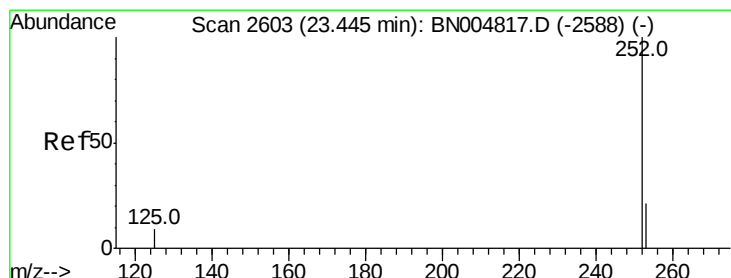
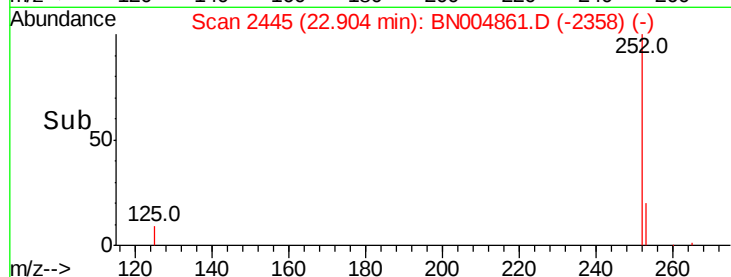
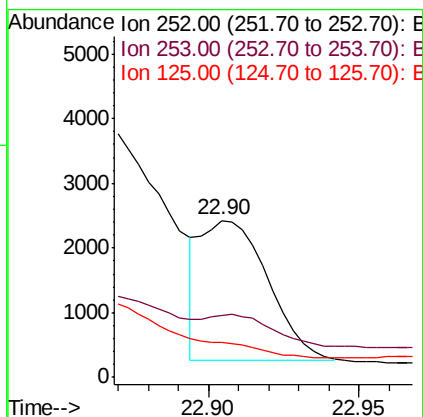
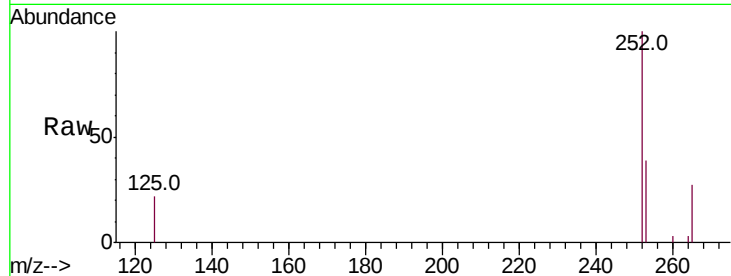
#36
Benzo(k)fluoranthene
Concen: 0.042 ng m
RT: 22.90 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	39.1	19.3	28.9#
125	22.0	7.4	11.0#

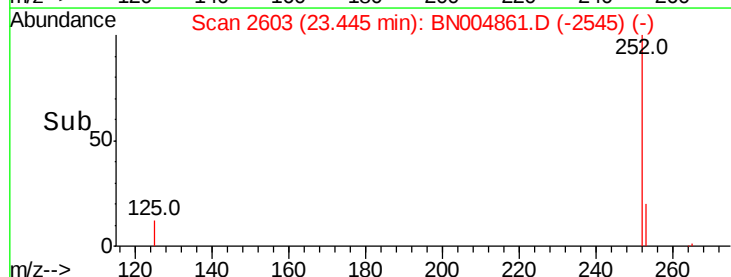
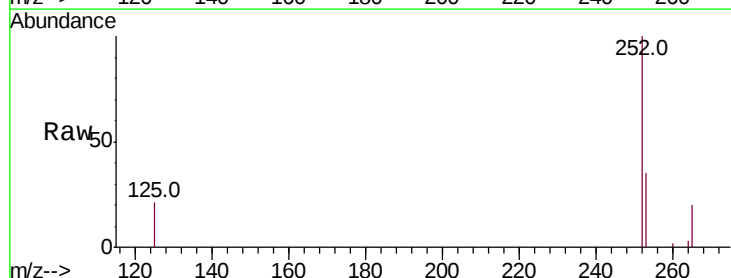
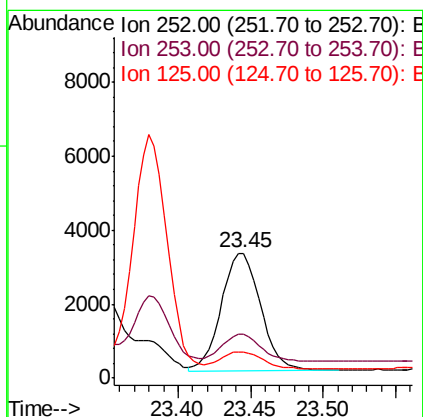
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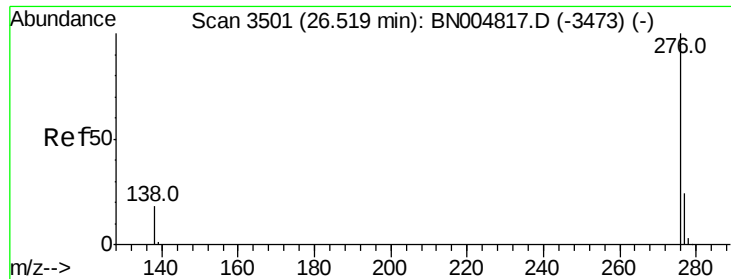
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#37
Benzo(a)pyrene
Concen: 0.082 ng
RT: 23.45 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.0	19.7	29.5#
125	20.7	8.3	12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.044 ng

RT: 26.52 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

ClientSampleId :

PST-027-SW010-2-030619

Tot Ion:	276	Resp:	3808
Ion Ratio	Lower	Upper	
276	100		
277	29.5	19.7	29.5
138	26.8	14.6	22.0

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