

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004896.D
 Acq On : 22 Mar 2019 22:34
 Operator : JU/SJ
 Sample : K2013-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B023-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:37 AM

Quant Time: Mar 23 03:03:12 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	2425	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10383	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6268	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	16074	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	22348	0.40	ng	-0.01
34) Perylene-d12	23.53	264	24379	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	2627	0.40	ng	0.00
5) Phenol-d6	6.87	99	4465	0.54	ng	0.00
8) Nitrobenzene-d5	8.86	82	2153	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	4831	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	3825	0.88	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	11246	0.43	ng	-0.01
25) Fluoranthene-d10	19.12	212	14669	0.27	ng	-0.01
29) Terphenyl-d14	19.72	244	33965	0.74	ng	-0.01

Target Compounds				Qvalue		
16) Acenaphthylene	14.05	152	1541	0.048	ng	98
23) Phenanthrene	17.12	178	9780	0.188	ng	99
24) Anthracene	17.22	178	1174	0.025	ng	# 96
26) Fluoranthene	19.15	202	15629	0.234	ng	98
28) Pyrene	19.52	202	20352	0.299	ng	97
30) Benzo(a)anthracene	21.27	228	9420	0.129	ng	95
31) Chrysene	21.32	228	10988	0.142	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	3077	0.105	ng	98
33) Indeno(1,2,3-cd)pyrene	25.80	276	6224	0.056	ng	98
35) Benzo(b)fluoranthene	22.86	252	11640	0.132	ng	# 80
36) Benzo(k)fluoranthene	22.90	252	4423m	0.051	ng	
37) Benzo(a)pyrene	23.43	252	9315	0.115	ng	# 87
39) Benzo(a,h,i)perylene	26.50	276	6827	0.072	ng	# 92

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

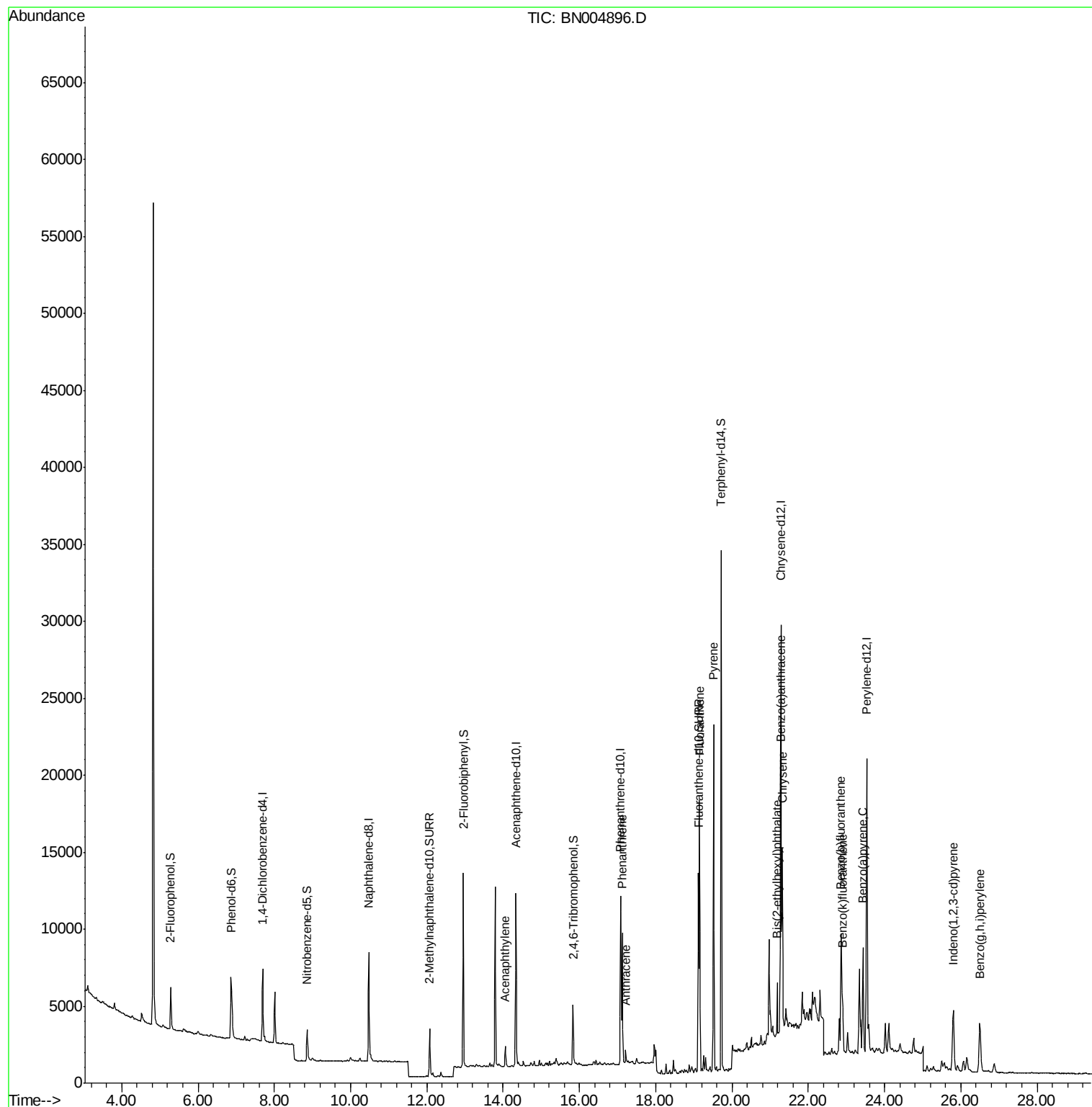
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
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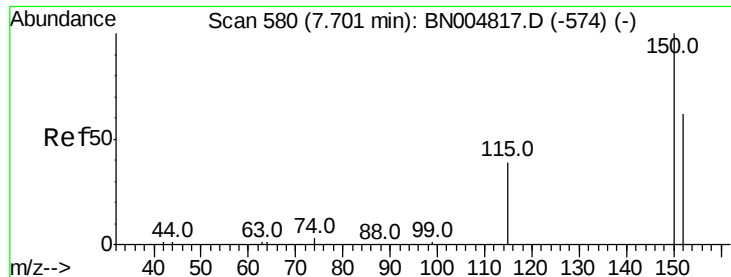
Instrument :
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PST-026-B023-031819

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
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#1

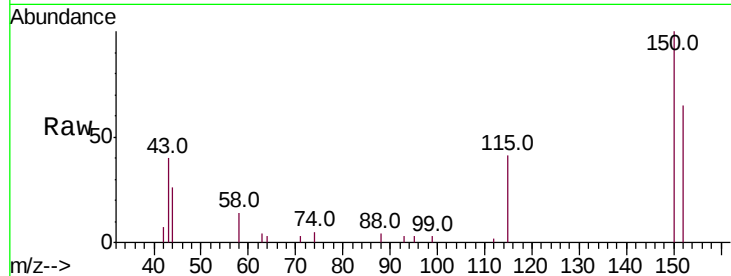
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.4
115	63.6	52.6	79.0

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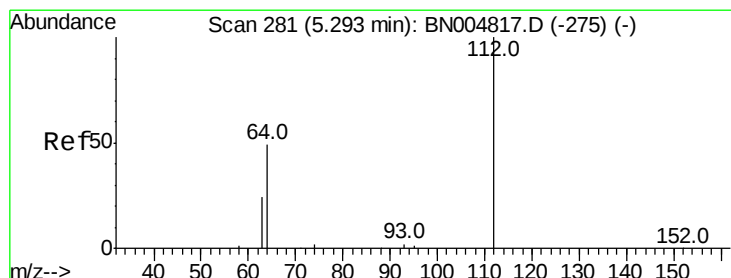
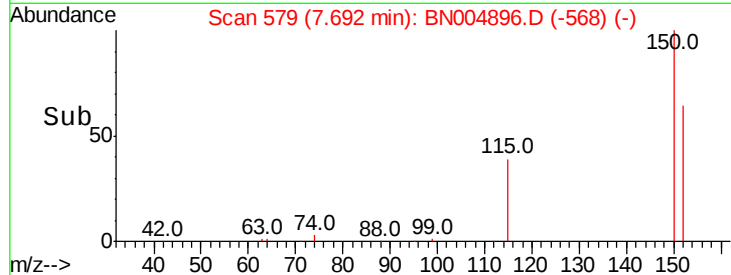
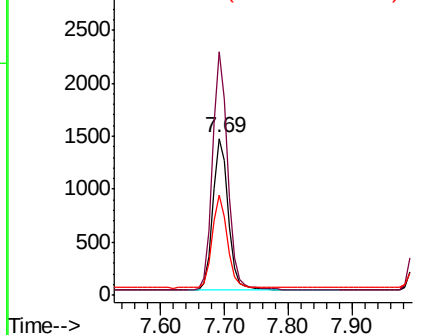


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

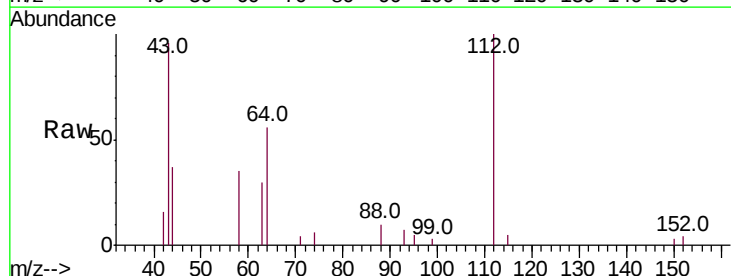
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.399 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	40.0	60.0
63	26.4	20.2	30.2

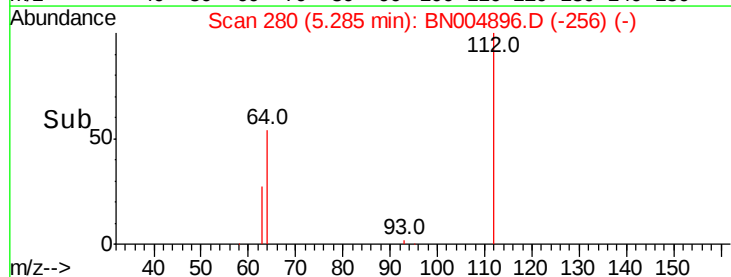
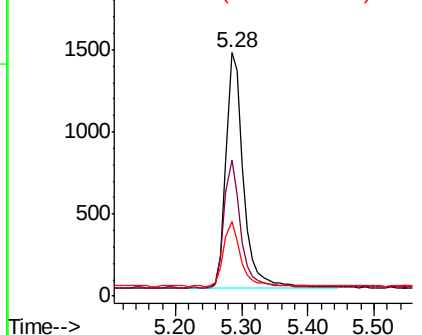


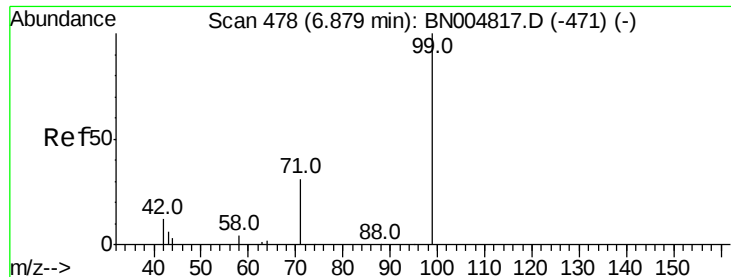
Abundance

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: 0.544 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

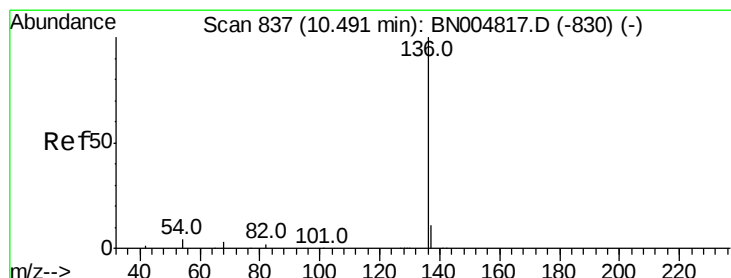
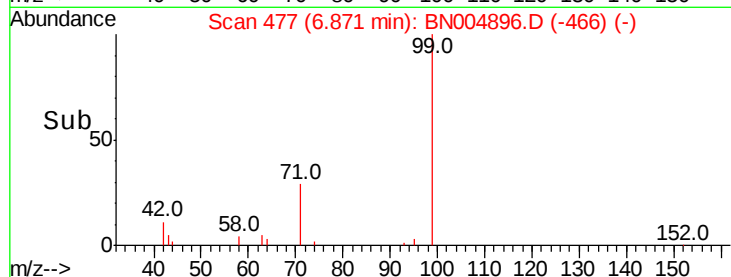
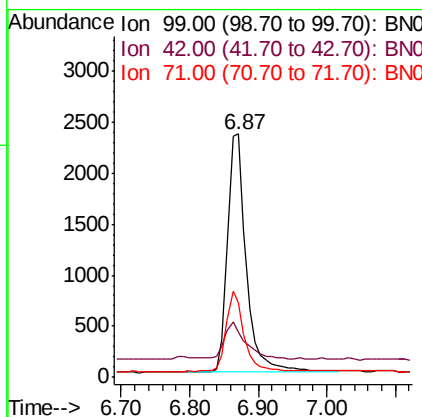
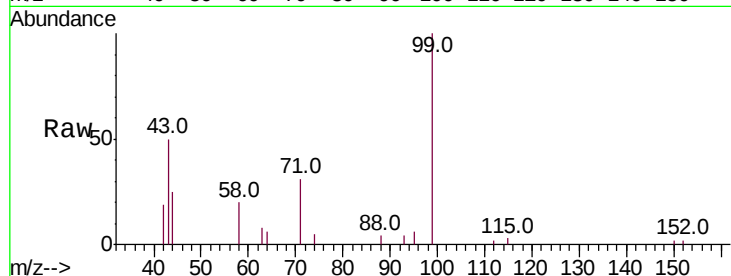
ClientSampleId :

PST-026-B023-031819

Tot Ion:	99	Resp:	4465
Ion	Ratio	Lower	Upper
99	100		
42	17.5	12.7	19.1
71	32.2	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

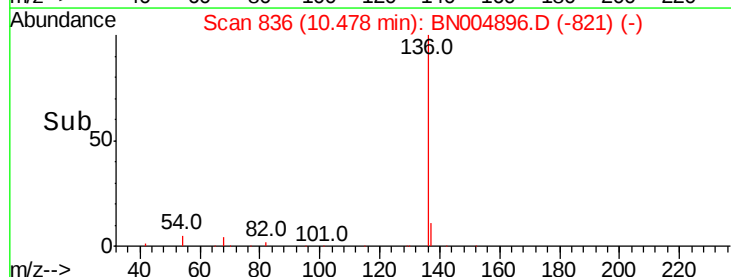
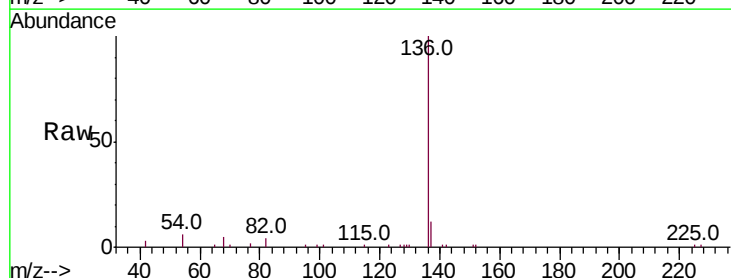
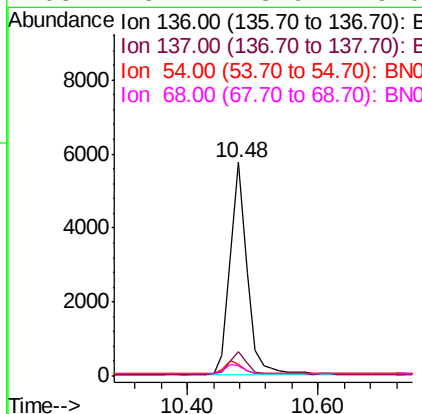
RT: 10.48 min Scan# 836

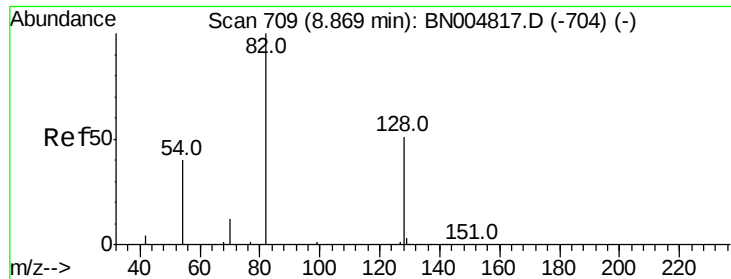
Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Tgt Ion:	136	Resp:	10383
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	5.7	4.2	6.2
68	5.1	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.313 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

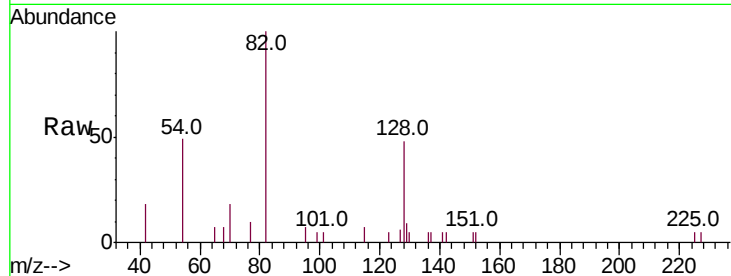
ClientSampleId :

PST-026-B023-031819

Tot Ion:	82	Resp:	2153
Ion Ratio	Lower	Upper	
82	100		
128	47.6	43.0	64.6
54	49.5	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) (-)

8.86

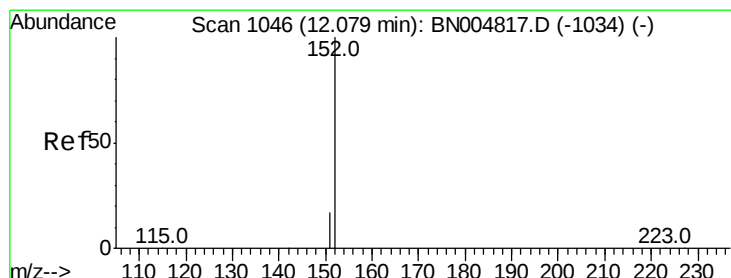
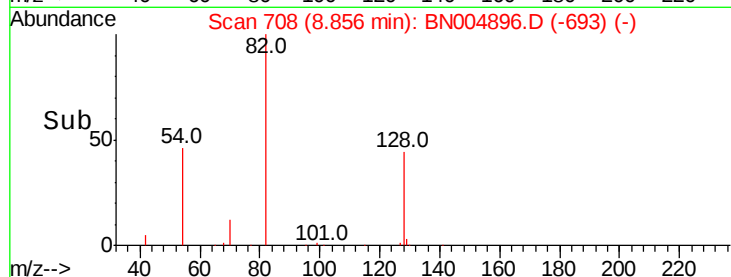
1000

500

0

Time-->

8.70 8.80 8.90 9.00



#11

2-Methylnaphthalene-d10

Concen: 0.267 ng

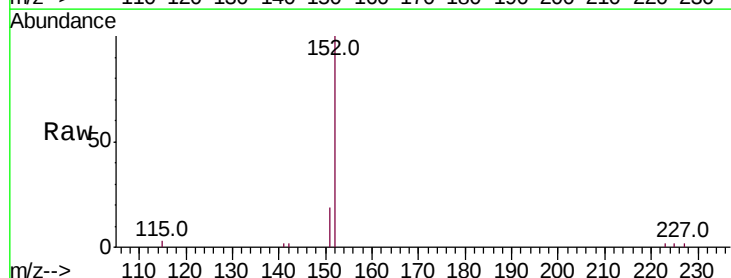
RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Tgt Ion:	152	Resp:	4831
Ion Ratio	Lower	Upper	
152	100		
151	19.1	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) (-)

12.07

3000

2500

2000

1500

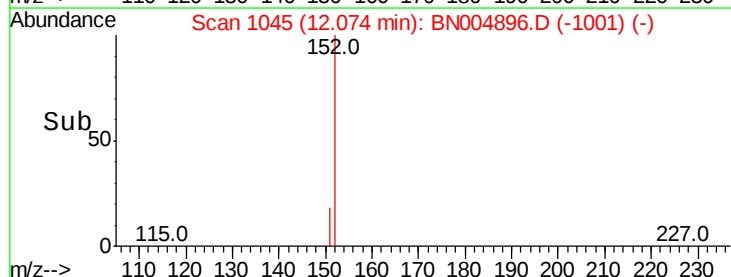
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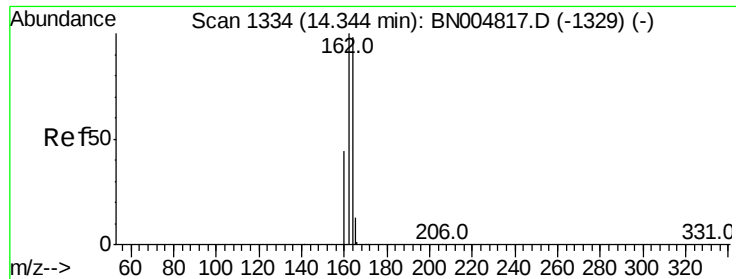
500

0

Time-->

12.00 12.10 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

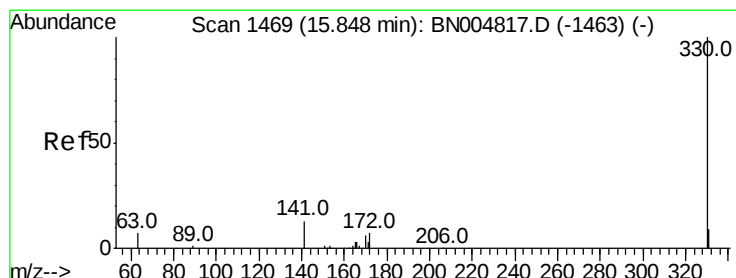
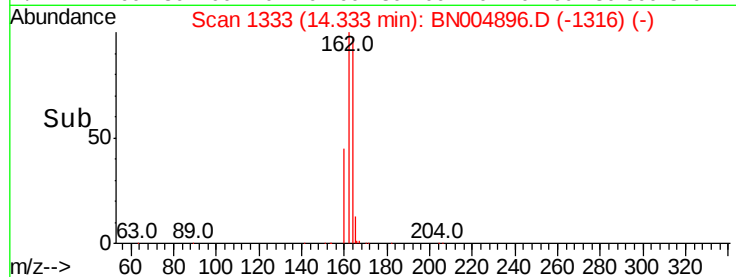
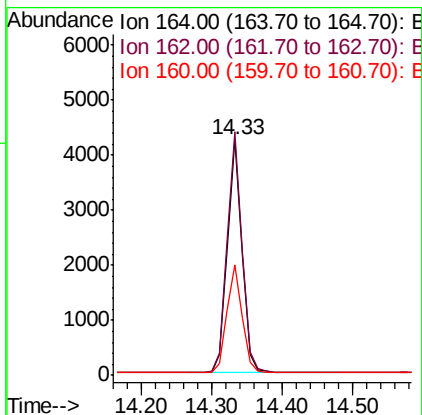
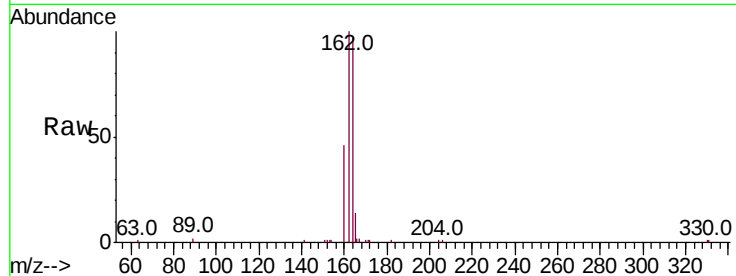
ClientSampleId :

PST-026-B023-031819

Tot Ion:	164	Resp:	6268
Ion Ratio	Lower	Upper	
164	100		
162	103.3	81.9	122.9
160	47.1	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.884 ng

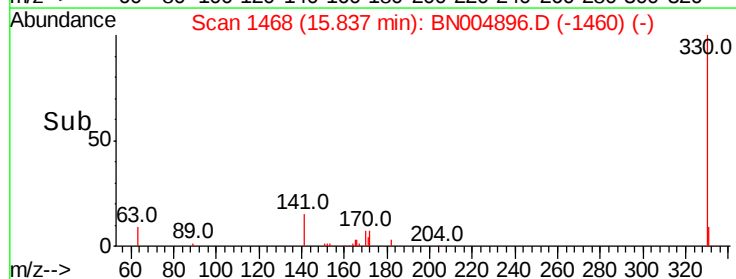
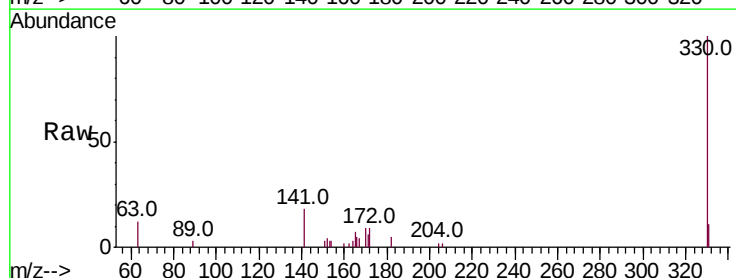
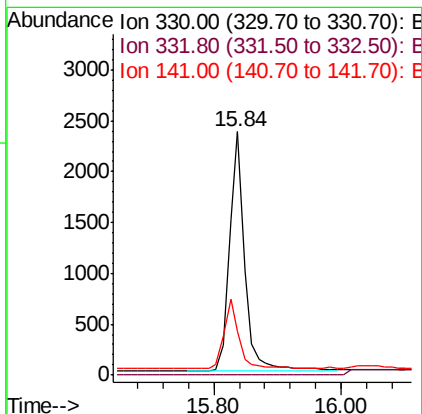
RT: 15.84 min Scan# 1468

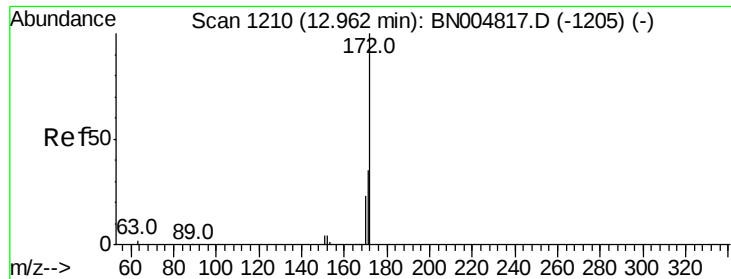
Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Tgt Ion:	330	Resp:	3825
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	29.0	20.9	31.3





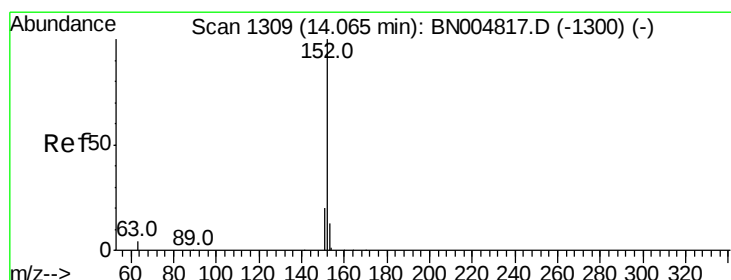
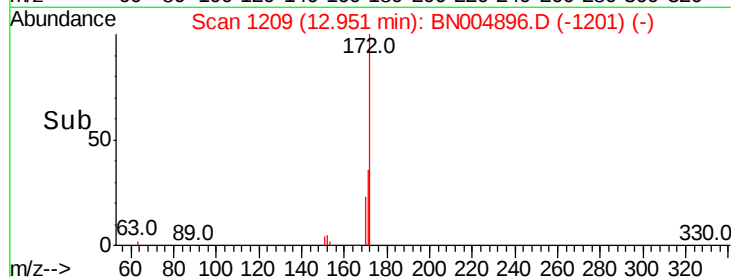
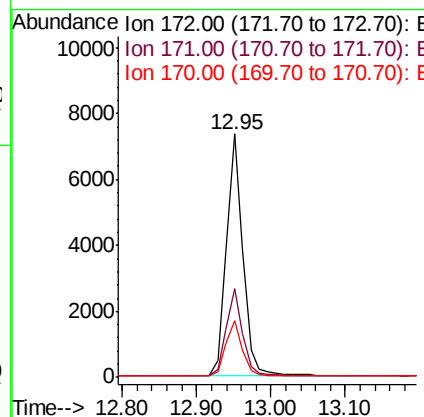
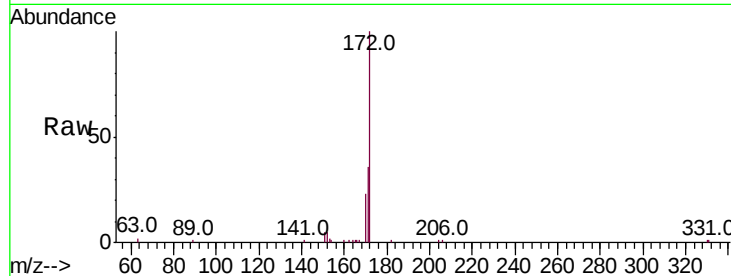
#15
2-Fluorobiphenyl
Concen: 0.434 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
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ClientSampleId :
PST-026-B023-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.7	43.1
170	23.5	18.7	28.1

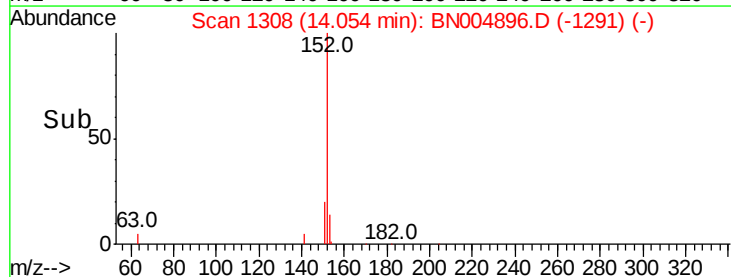
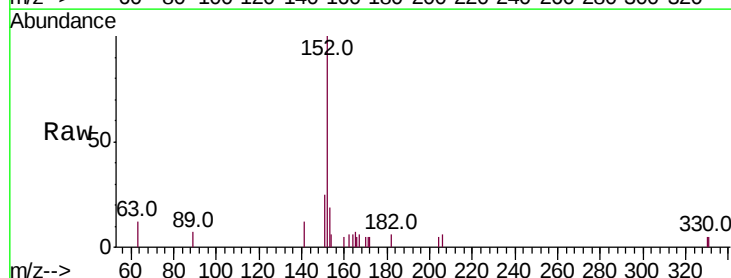
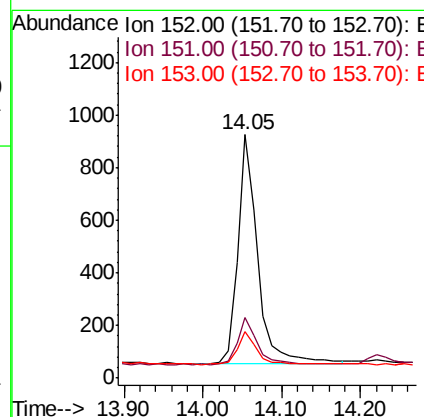
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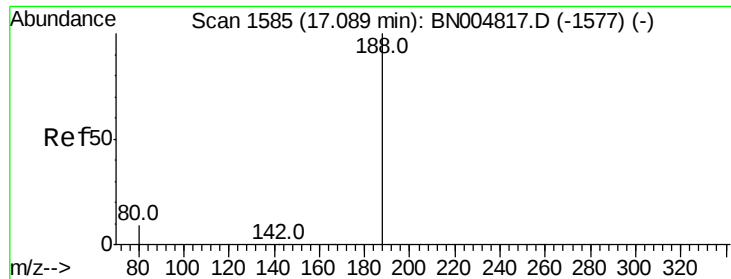
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#16
Acenaphthylene
Concen: 0.048 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.1	24.1
153	14.0	10.5	15.7





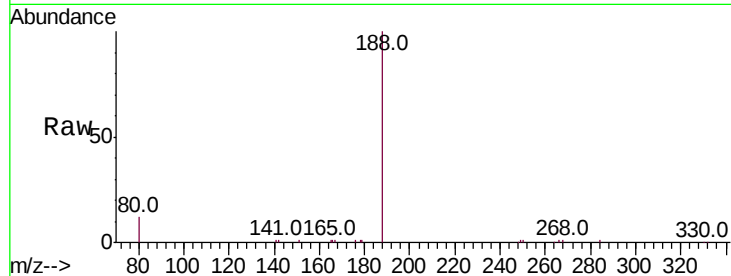
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
BNA_N
ClientSampled :
PST-026-B023-031819

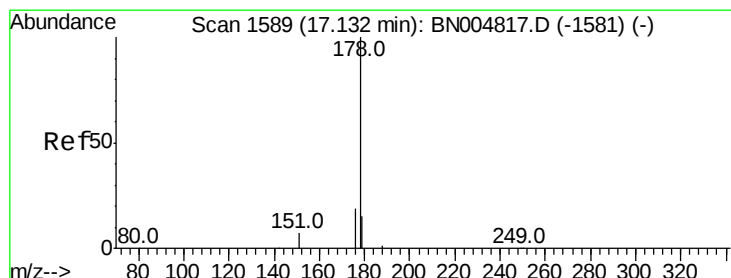
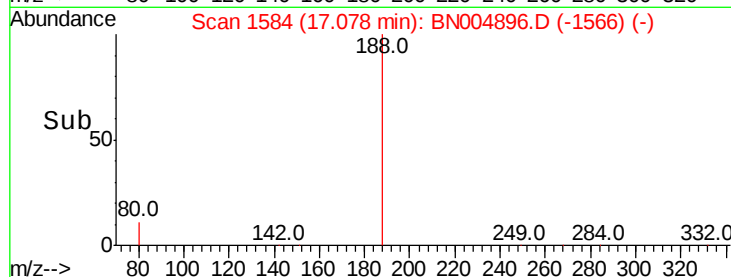
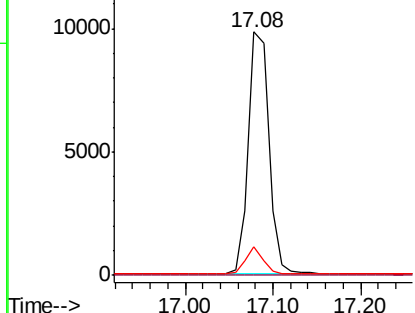
Tot Ion	Ratio	Resp	Lower	Upper
188	100	16074		
94	0.0	0.0	0.0	
80	11.5	7.4	11.2	

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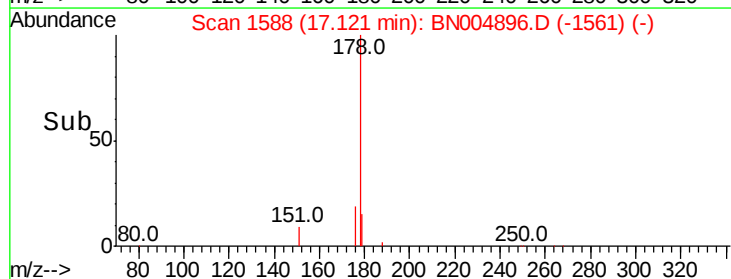
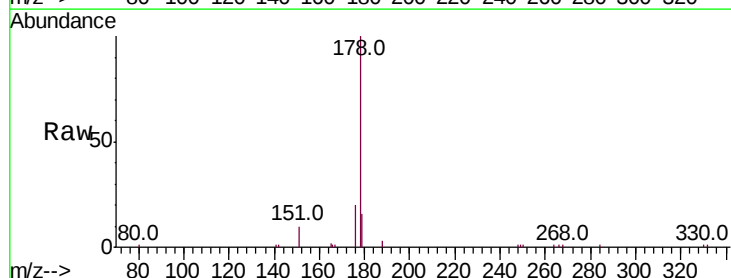
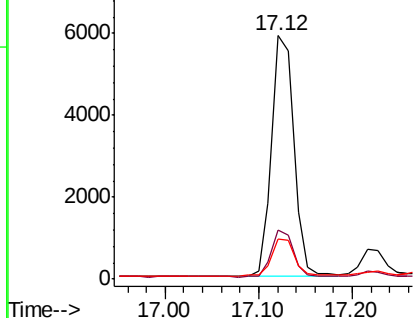
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

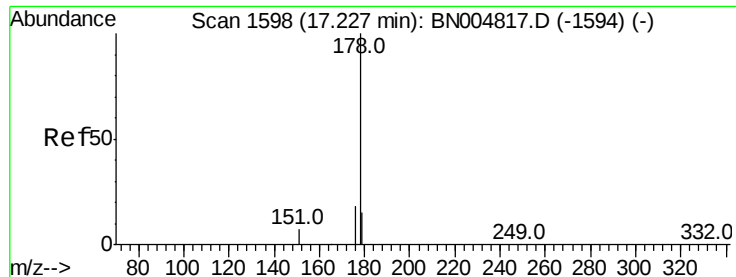


#23
Phenanthrene
Concen: 0.188 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	9780		
176	19.0	14.9	22.3	
179	15.9	12.1	18.1	

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





#24

Anthracene

Concen: 0.025 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

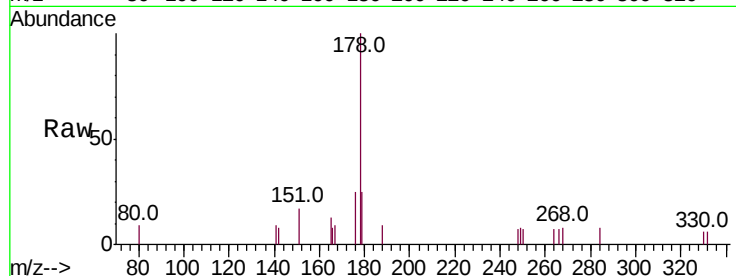
ClientSampleId :

PST-026-B023-031819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.5	21.7
179	11.9	12.2	18.4

Manual Integrations
APPROVED

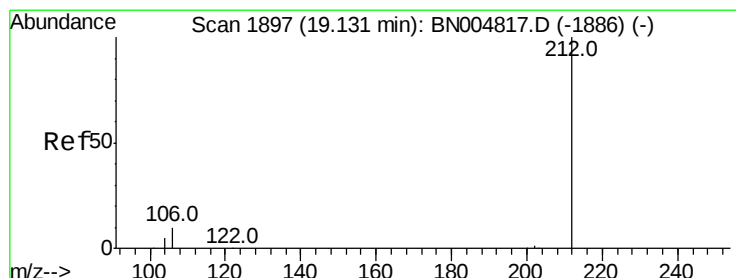
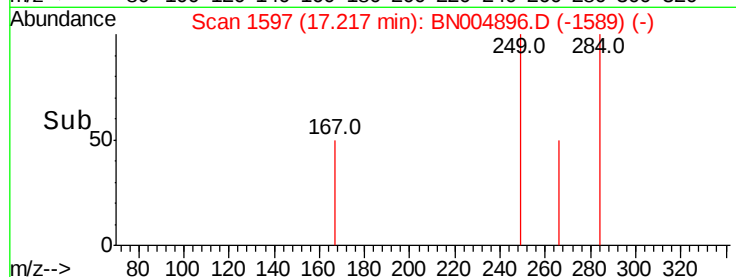
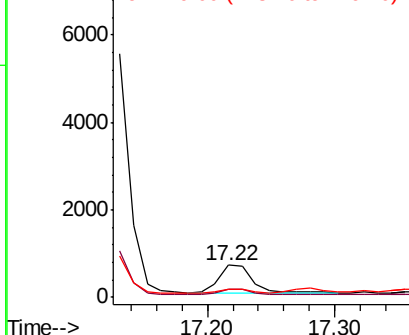
Sohil
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.273 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004896.D

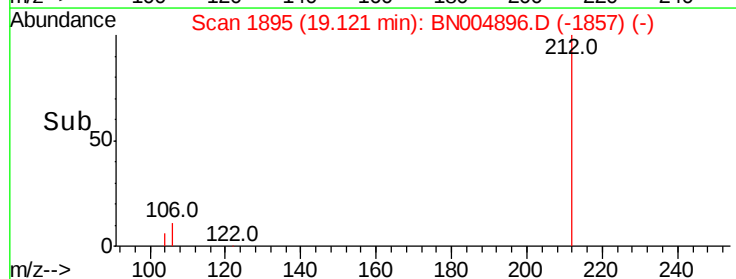
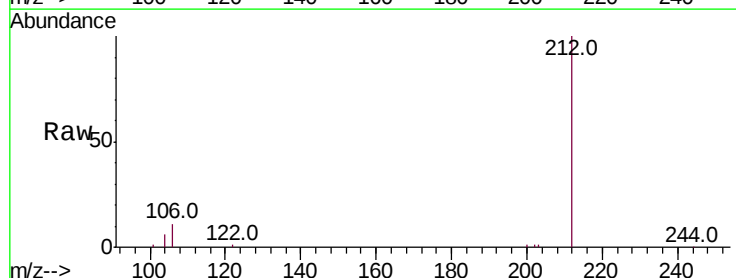
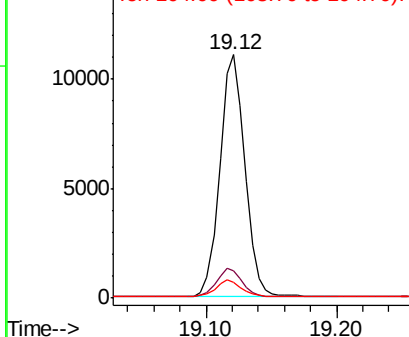
Acq: 22 Mar 2019 22:34

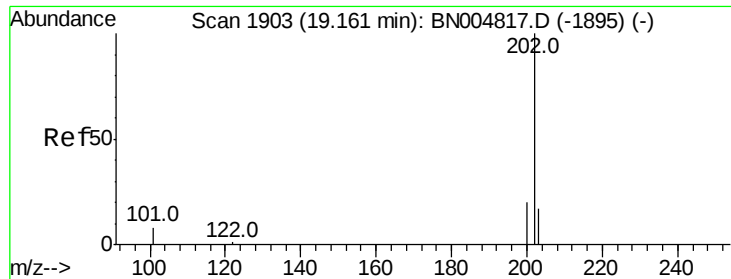
Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.7	8.6	13.0
104	6.5	4.7	7.1

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





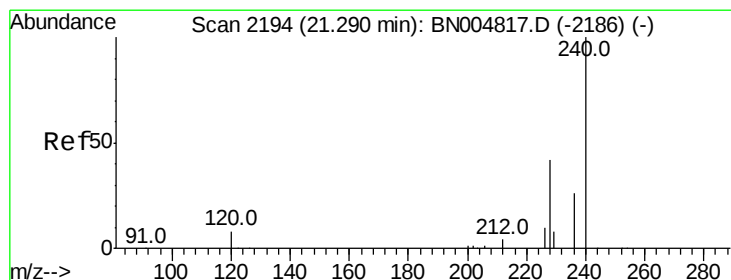
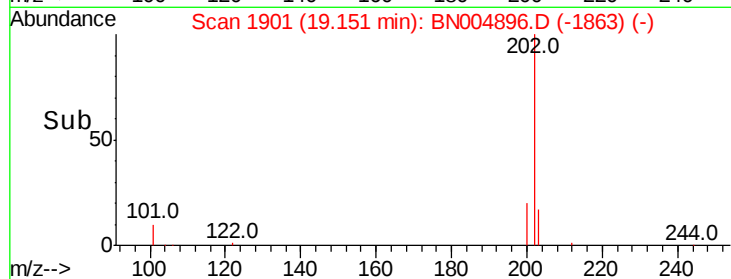
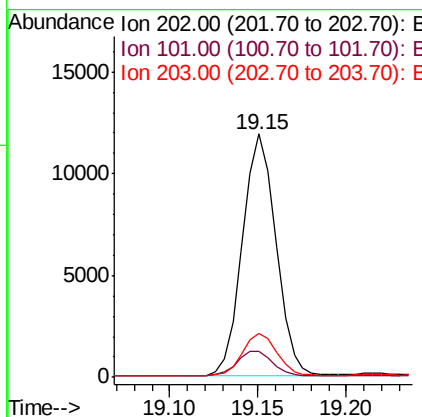
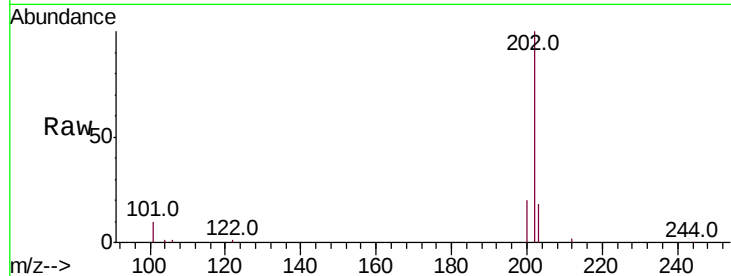
#26
Fluoranthene
 Concen: 0.234 ng
 RT: 19.15 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: BN004896.D
 Acq: 22 Mar 2019 22:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B023-031819

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.5	11.3
203	17.7	13.8	20.6

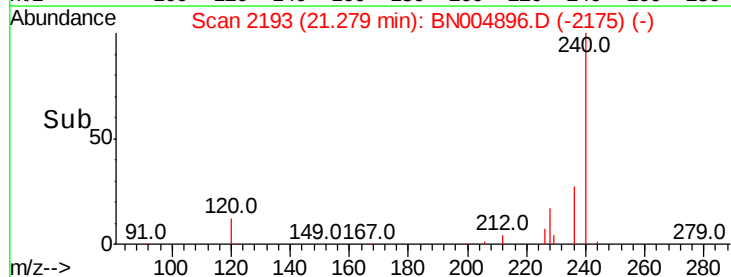
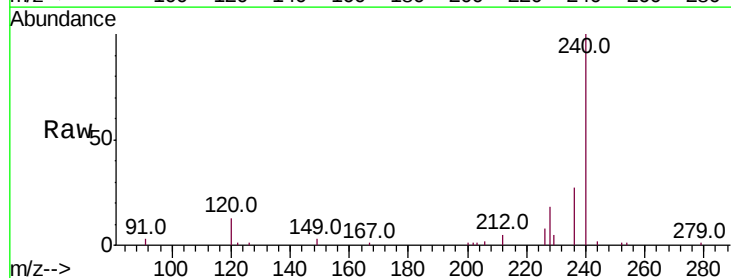
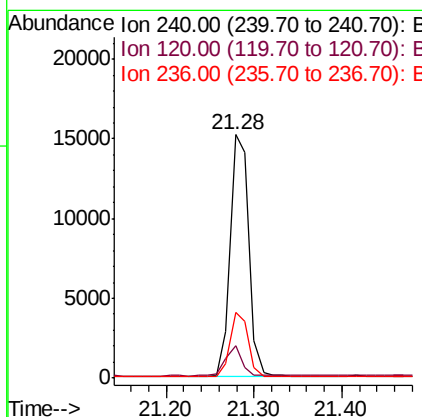
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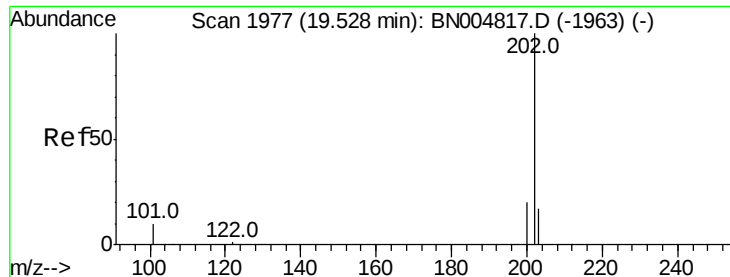
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004896.D
 Acq: 22 Mar 2019 22:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	7.2	10.8#
236	27.0	20.9	31.3





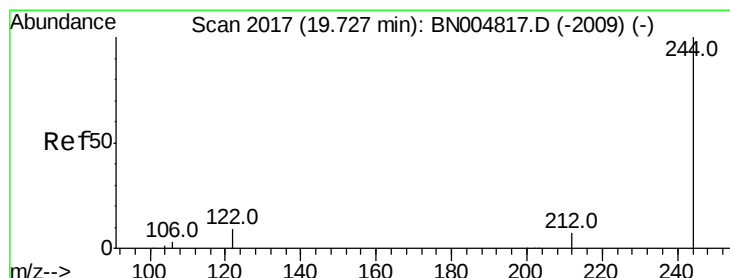
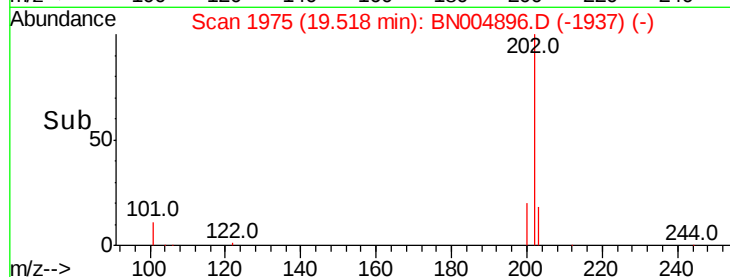
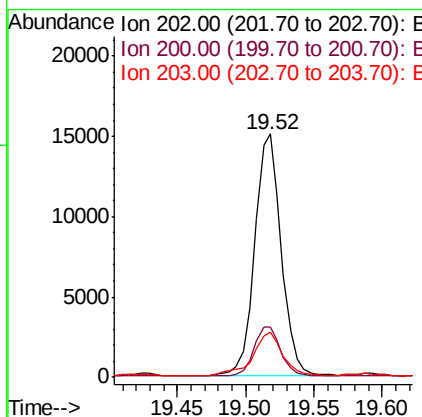
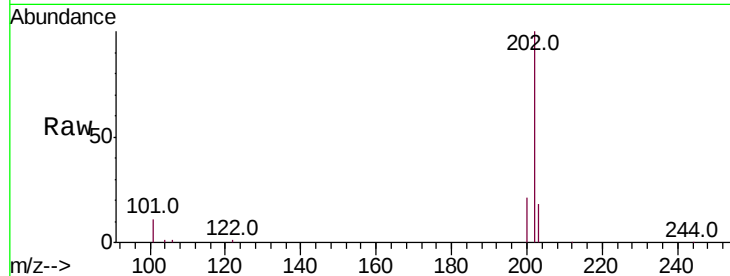
#28
Pvrene
Concen: 0.299 ng
RT: 19.52 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	20352		
200	20.8	16.3	24.5	
203	20.3	14.0	21.0	

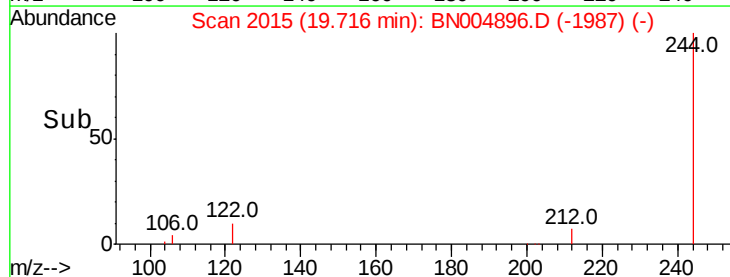
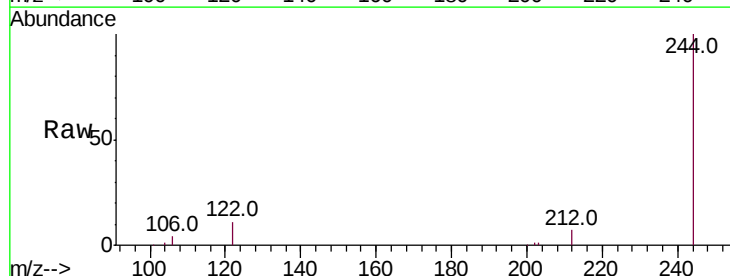
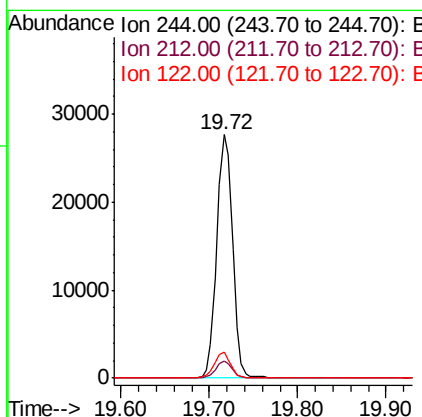
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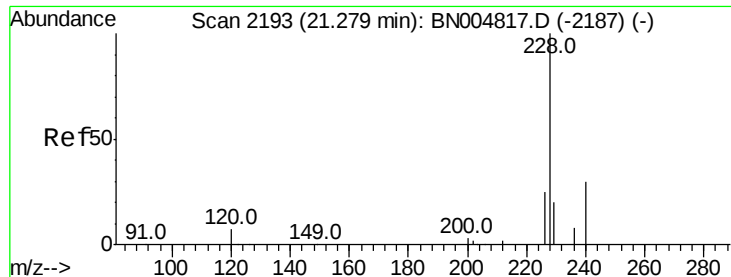
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#29
Terphenyl-d14
Concen: 0.743 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	33965		
212	7.2	5.8	8.6	
122	10.5	7.9	11.9	





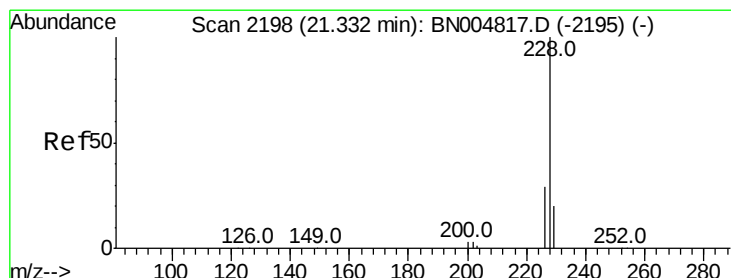
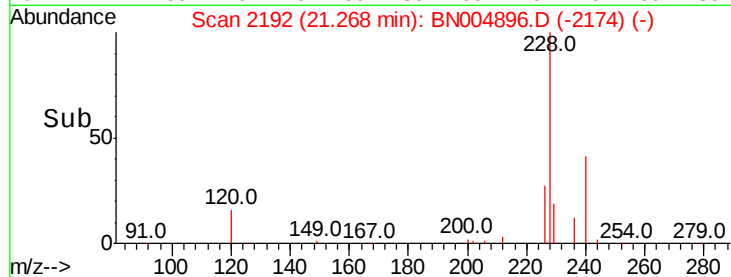
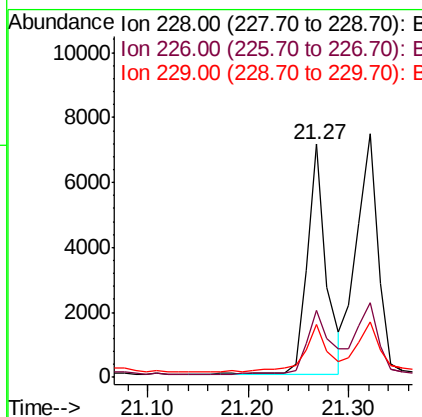
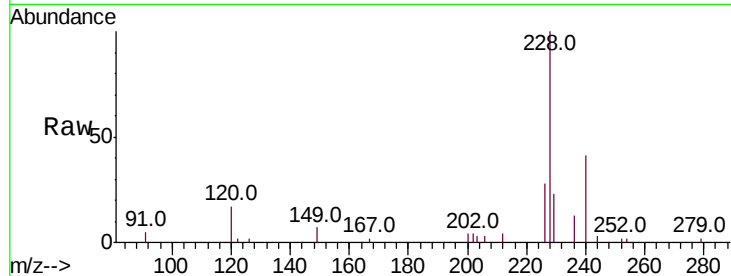
#30
Benzo(a)anthracene
Concen: 0.129 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	20.6	31.0
229	22.9	16.2	24.4

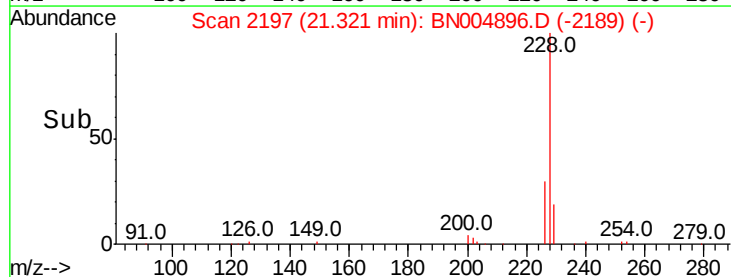
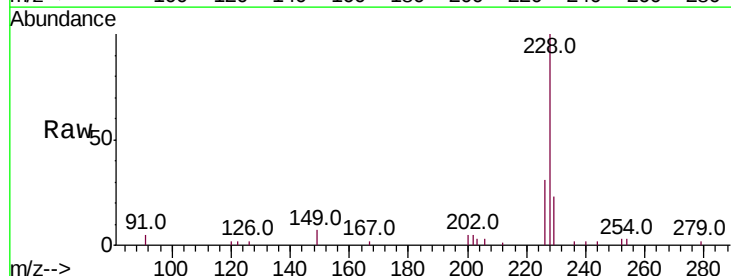
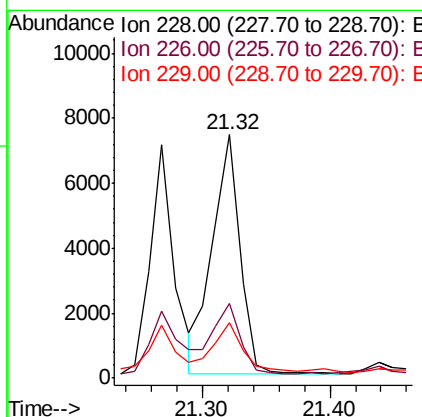
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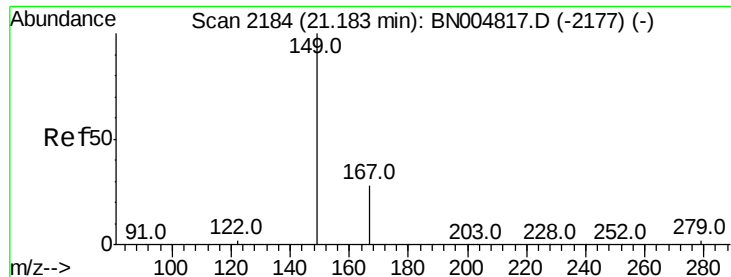
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#31
Chrysene
Concen: 0.142 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.0	34.6
229	22.7	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.105 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

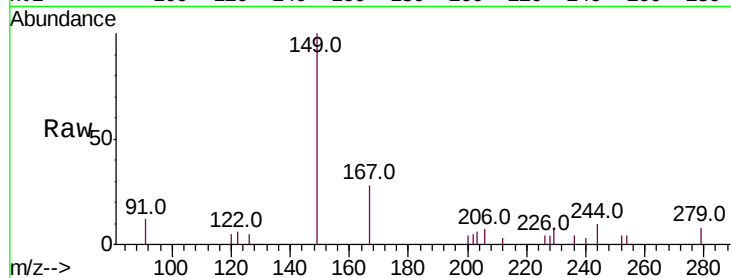
ClientSampleId :

PST-026-B023-031819

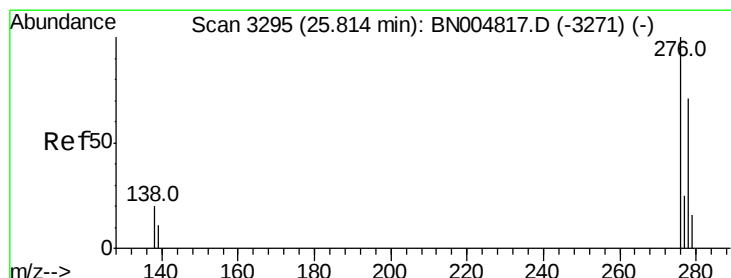
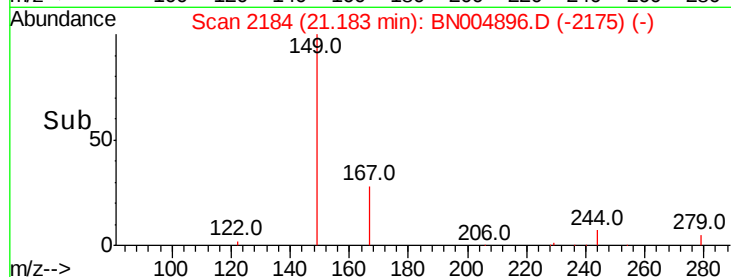
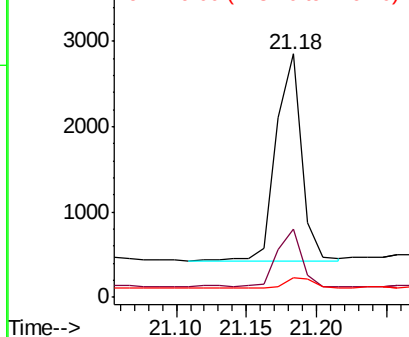
Tot Ion:	149	Resp:	3077
Ion Ratio	Lower	Upper	
149	100		
167	27.8	23.0	34.4
279	5.4	4.6	6.8

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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: 0.056 ng

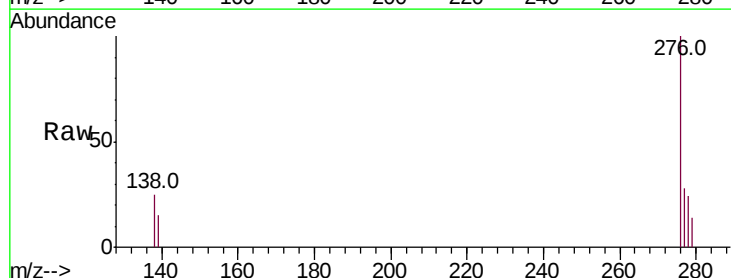
RT: 25.80 min Scan# 3291

Delta R.T. -0.01 min

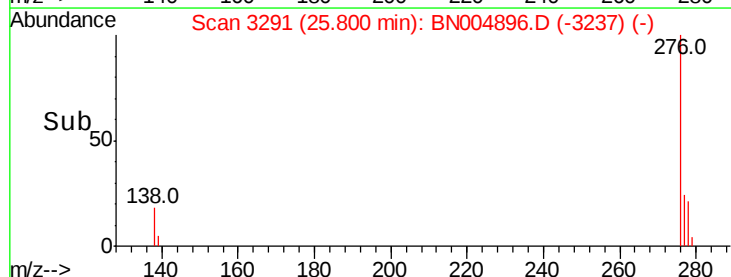
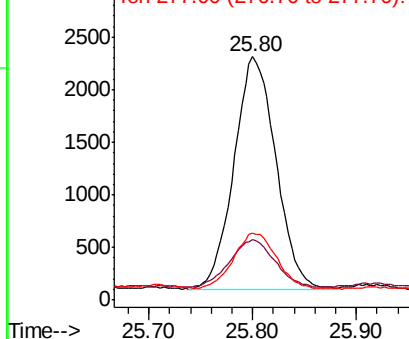
Lab File: BN004896.D

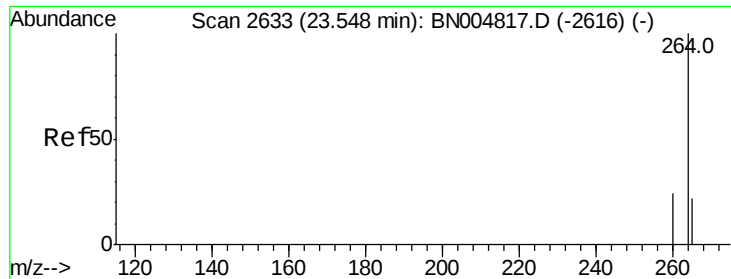
Acq: 22 Mar 2019 22:34

Tgt Ion:	276	Resp:	6224
Ion Ratio	Lower	Upper	
276	100		
138	22.1	16.6	24.8
277	24.7	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





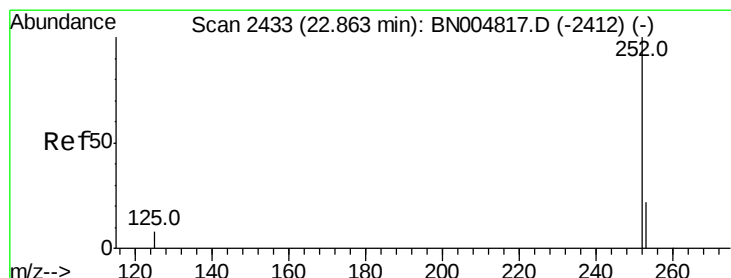
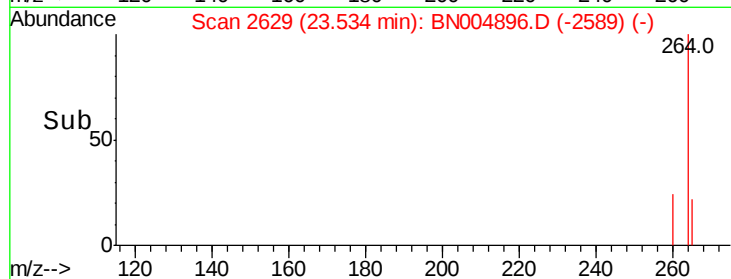
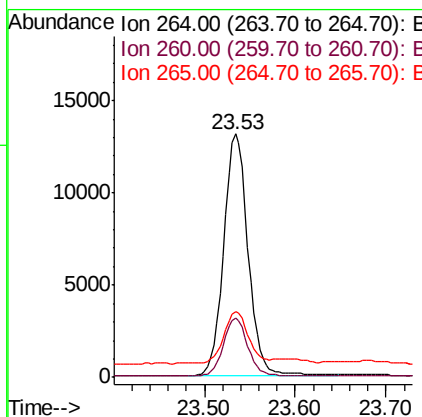
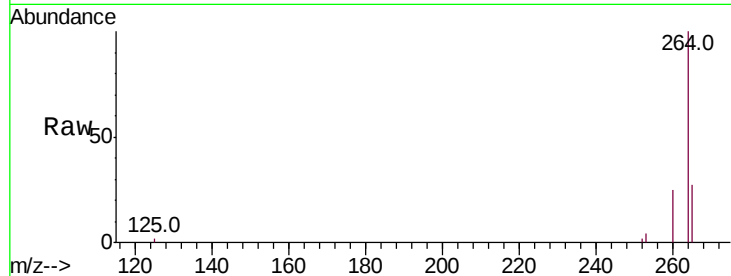
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	27.0	23.1	34.7

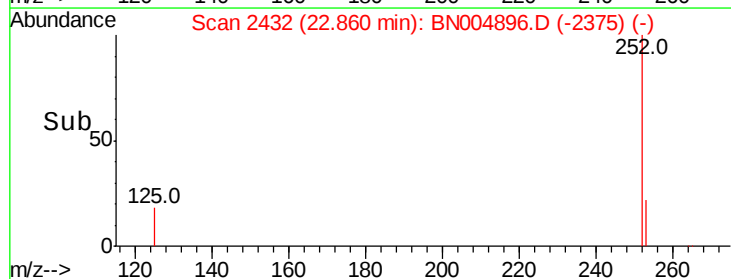
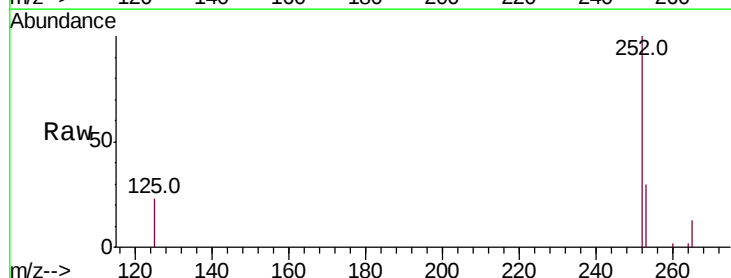
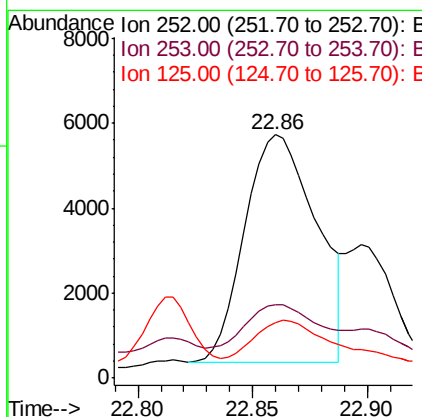
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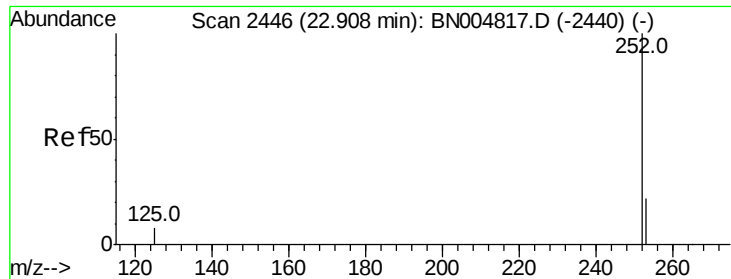
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#35
Benzo(b)fluoranthene
Concen: 0.132 ng
RT: 22.86 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	19.0	28.4#
125	22.7	7.4	11.2#





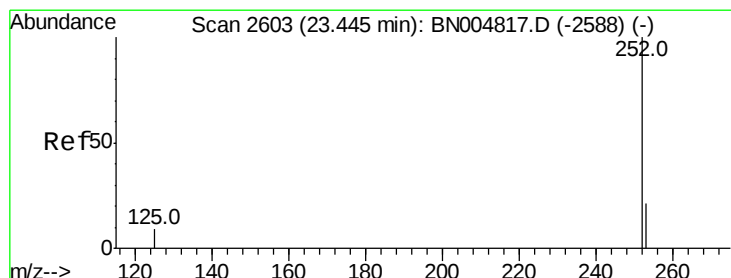
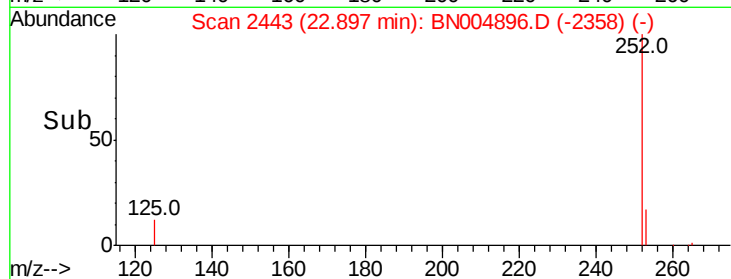
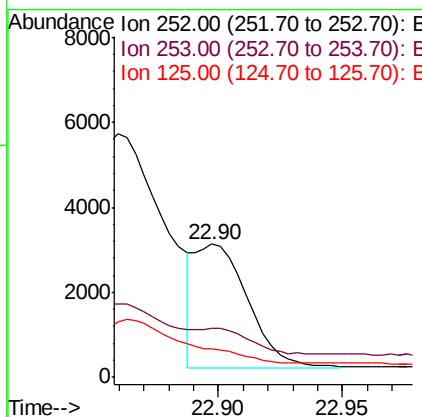
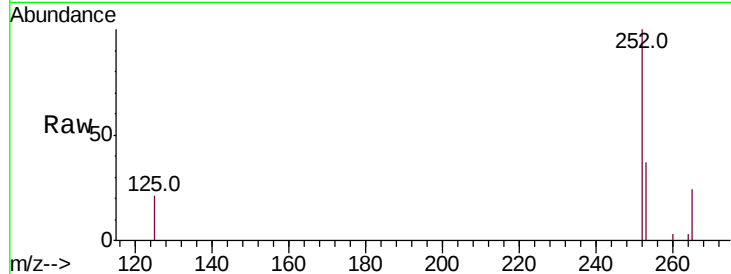
#36
Benzo(k)fluoranthene
Concen: 0.051 ng m
RT: 22.90 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.3	19.3	28.9#
125	21.5	7.4	11.0#

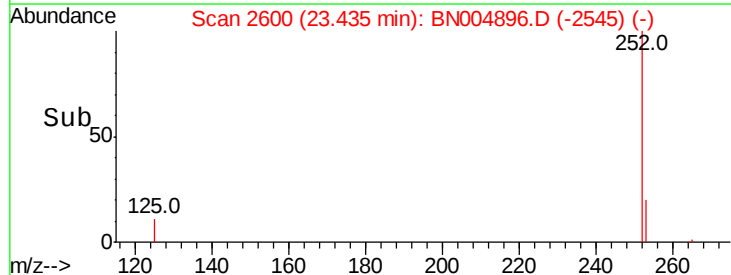
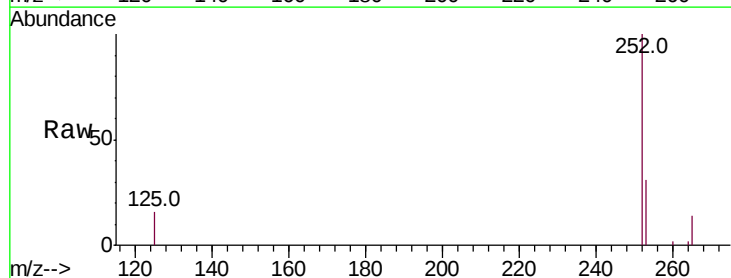
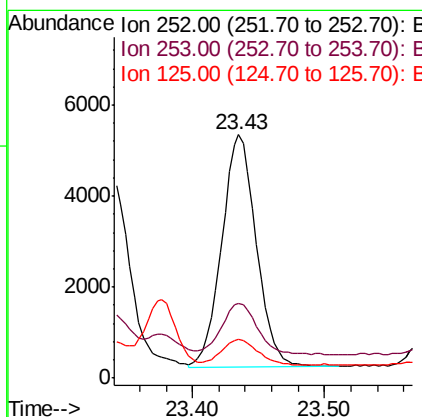
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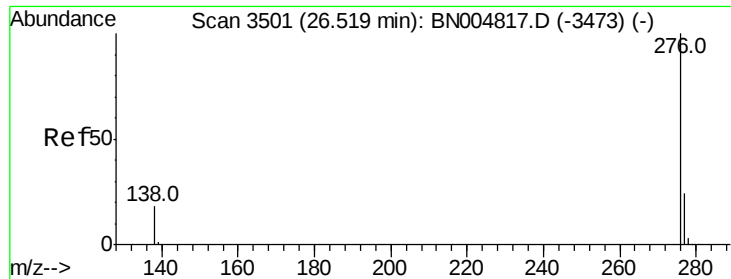
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#37
Benzo(a)pyrene
Concen: 0.115 ng
RT: 23.43 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.8	19.7	29.5#
125	15.7	8.3	12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.072 ng

RT: 26.50 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BN004896.D

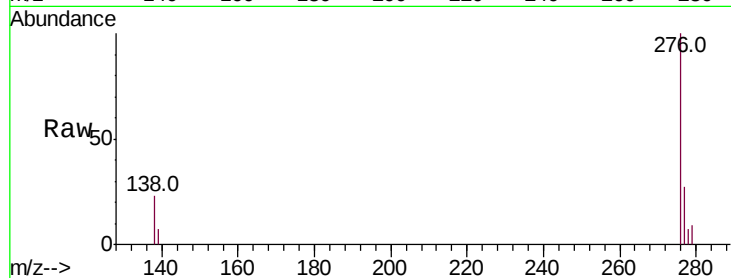
Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

ClientSampleId :

PST-026-B023-031819



Tot Ion:	276	Resp:	6827
Ion Ratio	Lower	Upper	
276	100		
277	27.2	19.7	29.5
138	23.5	14.6	22.0

Manual Integrations
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