

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004897.D
 Acq On : 22 Mar 2019 23:09
 Operator : JU/SJ
 Sample : K2013-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B024-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:40 AM

Quant Time: Mar 23 03:04:14 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	2841	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	12131	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	7102	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	17317	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	23636	0.40	ng	-0.01
34) Perylene-d12	23.53	264	25051	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	4164	0.54	ng	0.00
5) Phenol-d6	6.87	99	5242	0.55	ng	0.00
8) Nitrobenzene-d5	8.86	82	2793	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	5537	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	3467	0.71	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	12075	0.41	ng	-0.01
25) Fluoranthene-d10	19.12	212	21530	0.37	ng	-0.01
29) Terphenyl-d14	19.72	244	52266	1.08	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.05	152	3940	0.108	ng	100
17) Acenaphthene	14.40	154	571	0.024	ng	94
18) Fluorene	15.39	166	978	0.029	ng	# 85
23) Phenanthrene	17.12	178	29789	0.533	ng	99
24) Anthracene	17.22	178	5218	0.104	ng	97
26) Fluoranthene	19.15	202	62902	0.875	ng	99
28) Pyrene	19.52	202	63065	0.875	ng	97
30) Benzo(a)anthracene	21.27	228	39973	0.516	ng	97
31) Chrysene	21.32	228	41770	0.512	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	2688	0.087	ng	97
33) Indeno(1,2,3-cd)pyrene	25.80	276	25280	0.214	ng	99
35) Benzo(b)fluoranthene	22.86	252	56326m	0.622	ng	
36) Benzo(k)fluoranthene	22.90	252	21300m	0.239	ng	
37) Benzo(a)pyrene	23.43	252	38149	0.459	ng	99
38) Dibenzo(a,h)anthracene	25.80	278	7058	0.073	ng	# 68
39) Benzo(g,h,i)perylene	26.50	276	24584	0.251	ng	97

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

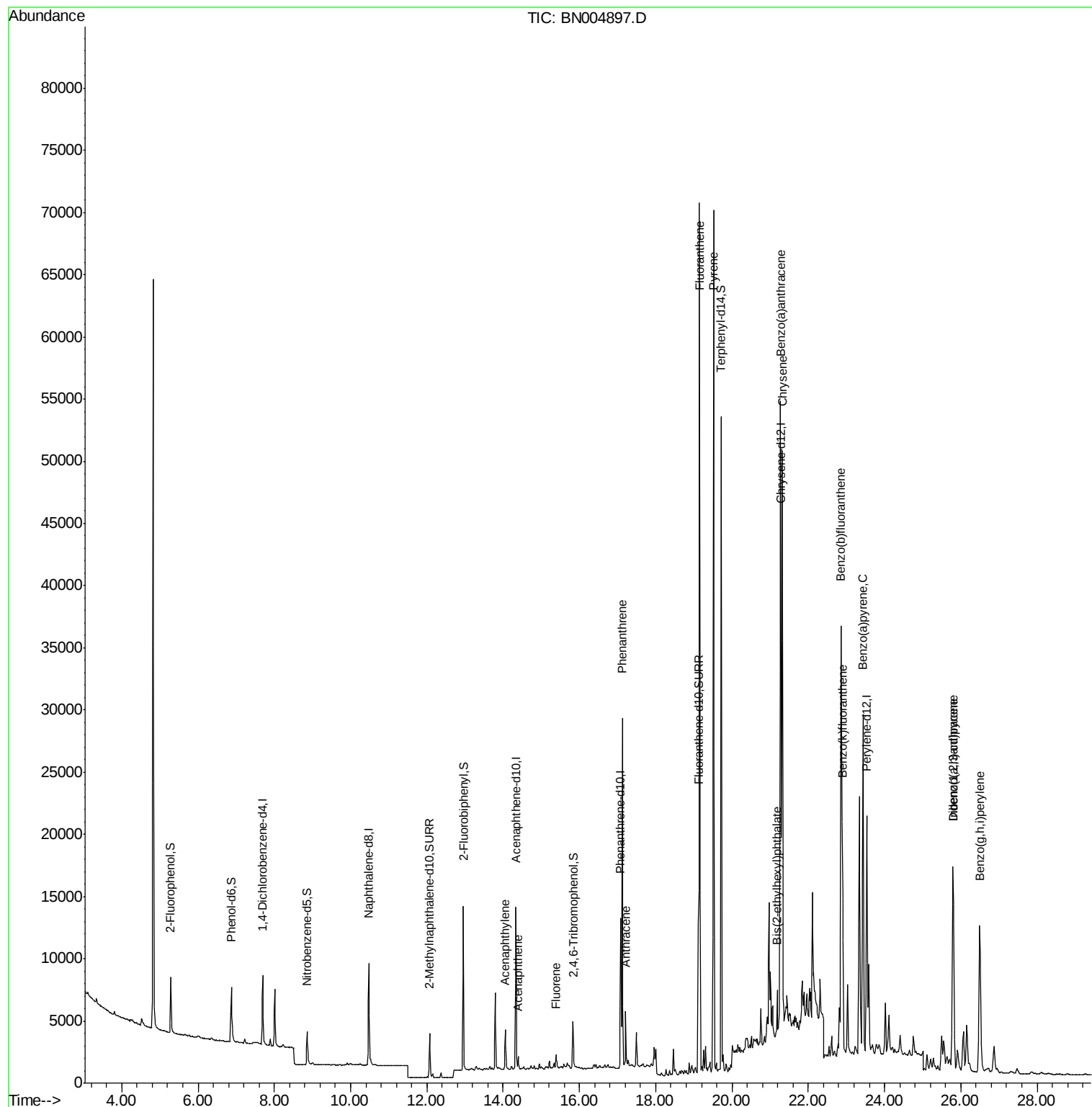
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
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#1

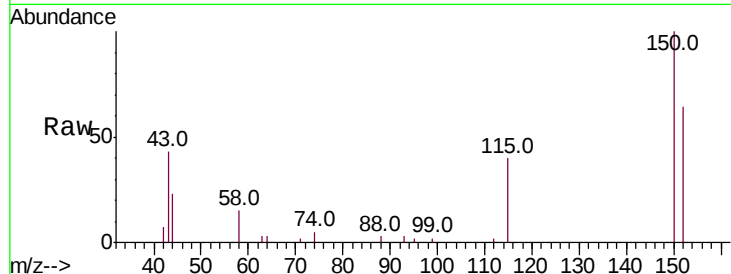
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.4
115	62.4	52.6	79.0

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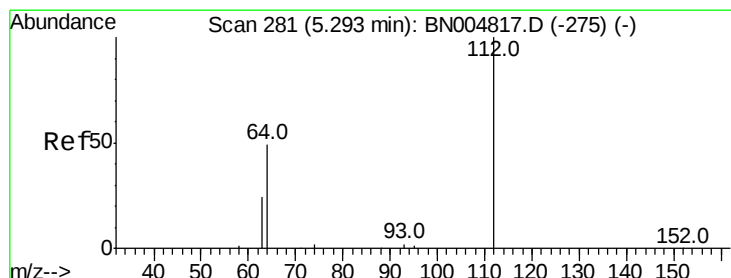
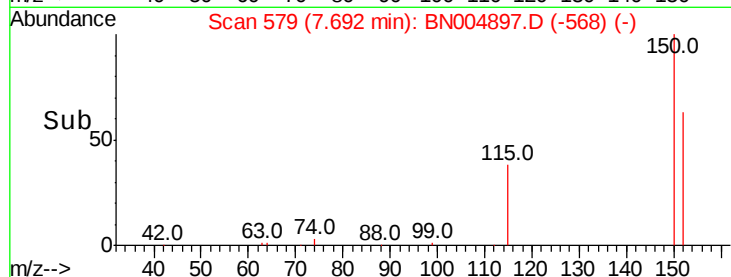
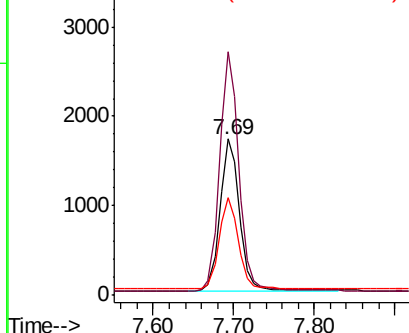


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

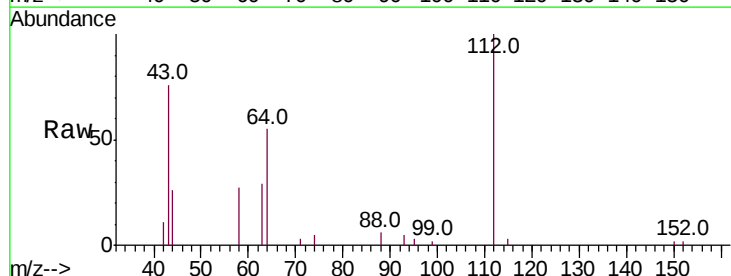
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.539 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	40.0	60.0
63	26.4	20.2	30.2

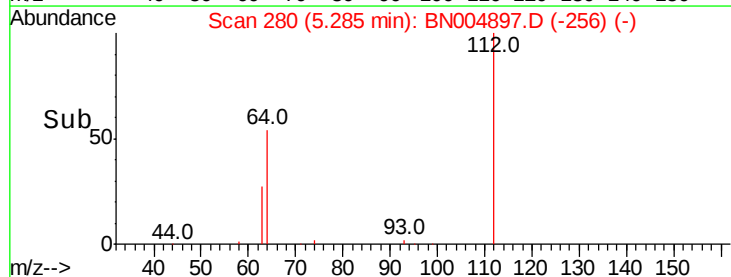
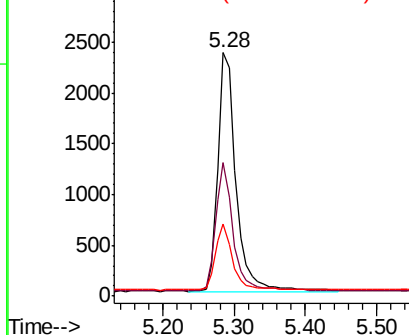


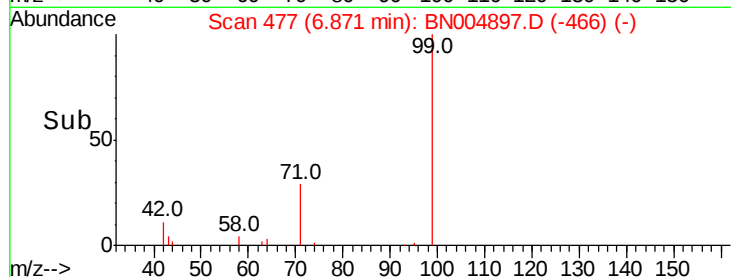
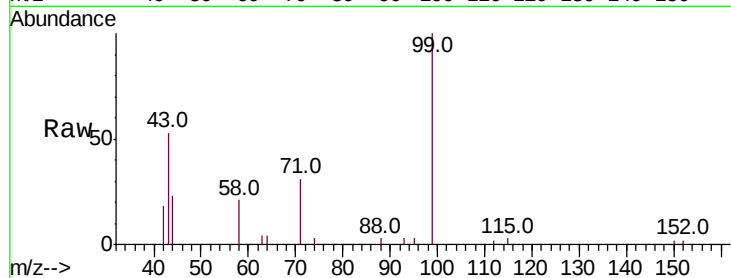
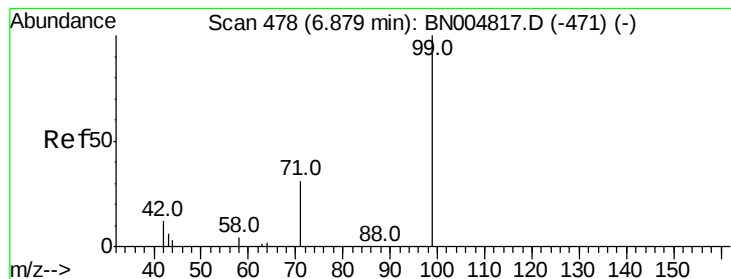
Abundance

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: 0.545 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004897.D

Acq: 22 Mar 2019 23:09

Tot Ion:	99	Resp:	5242
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.7	19.1
71	32.1	26.6	40.0

Instrument :

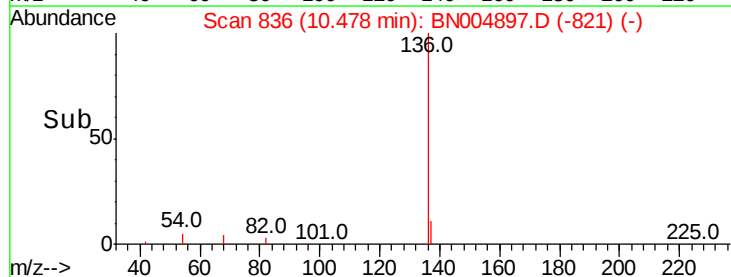
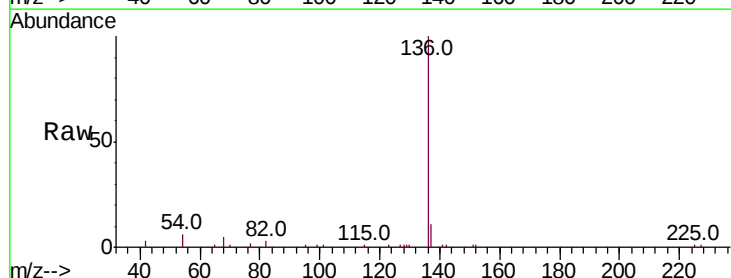
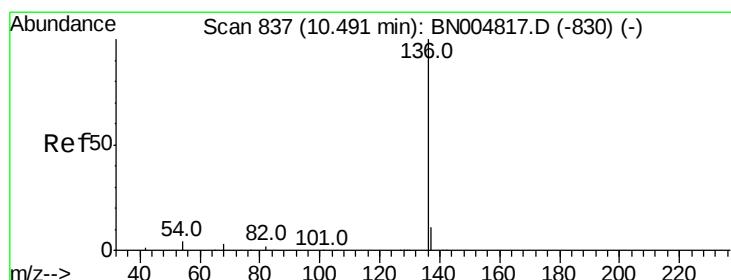
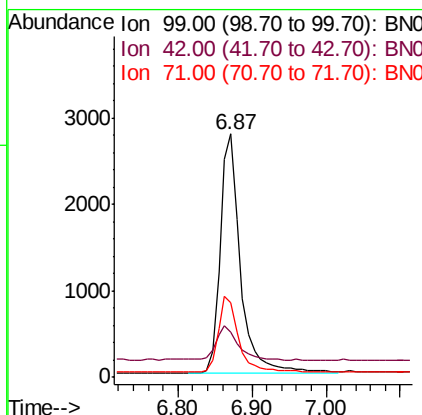
BNA_N

ClientSampleId :

PST-026-B024-031819

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#7

Naphthalene-d8

Concen: 0.400 ng

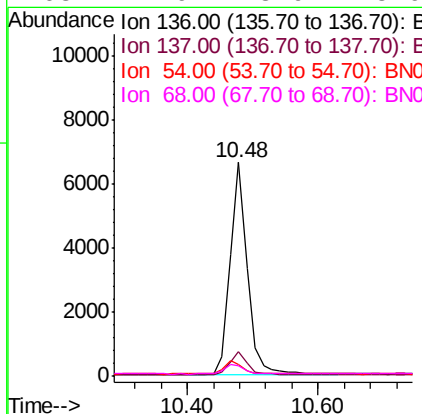
RT: 10.48 min Scan# 836

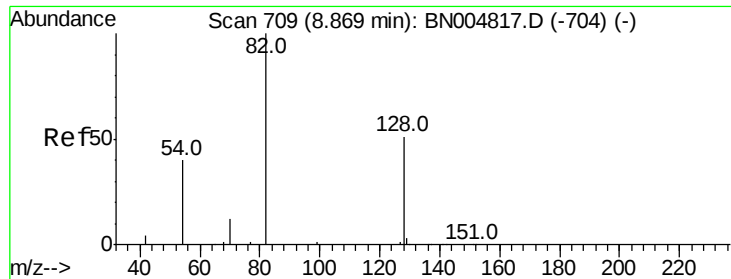
Delta R.T. -0.01 min

Lab File: BN004897.D

Acq: 22 Mar 2019 23:09

Tgt Ion:	136	Resp:	12131
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	5.7	4.2	6.2
68	4.9	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.348 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004897.D

Acq: 22 Mar 2019 23:09

Instrument :

BNA_N

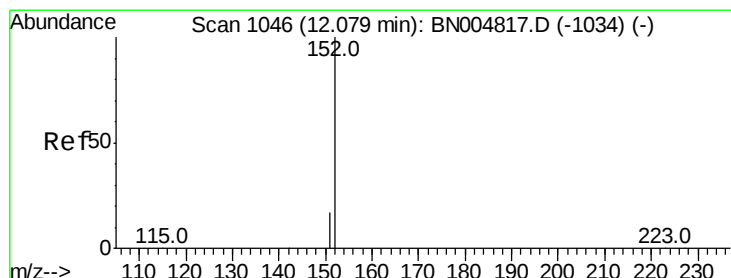
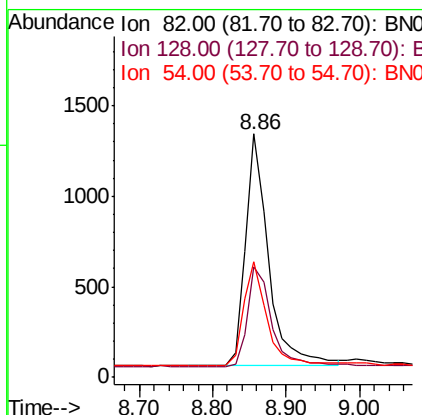
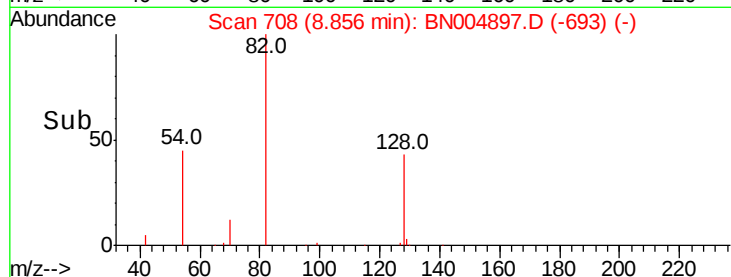
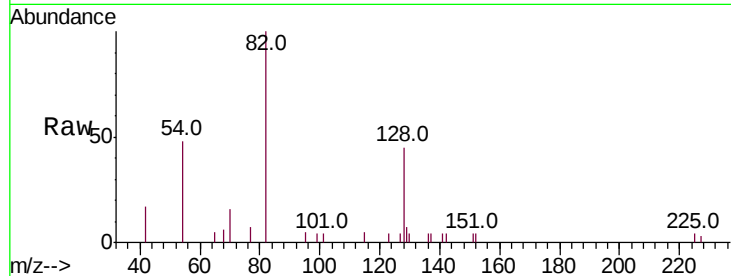
ClientSampleId :

PST-026-B024-031819

Tot Ion:	82	Resp:	2793
Ion Ratio	Lower	Upper	
82	100		
128	45.5	43.0	64.6
54	47.5	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.262 ng

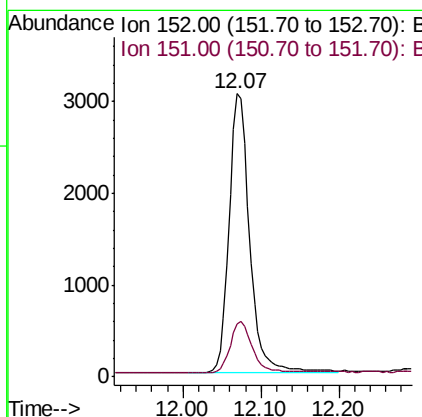
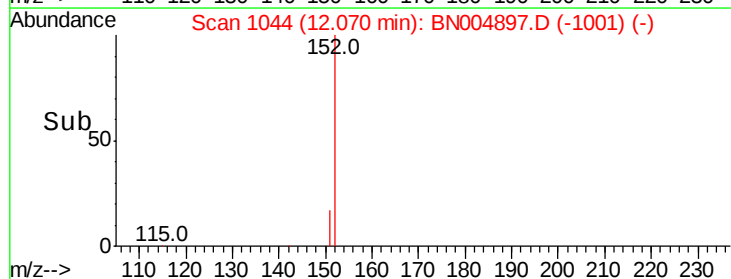
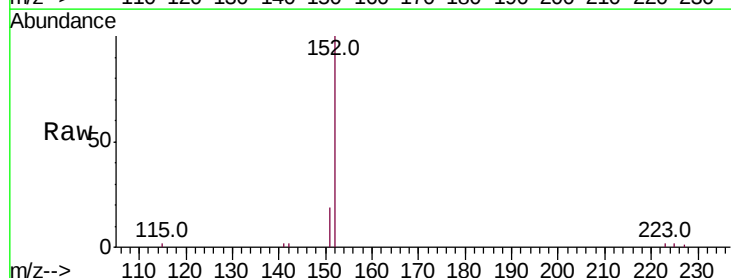
RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN004897.D

Acq: 22 Mar 2019 23:09

Tgt Ion:	152	Resp:	5537
Ion Ratio	Lower	Upper	
152	100		
151	19.5	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: BN004897.D

Acq: 22 Mar 2019 23:09

Instrument :

BNA_N

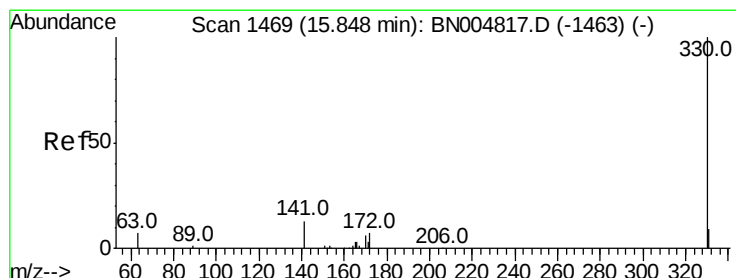
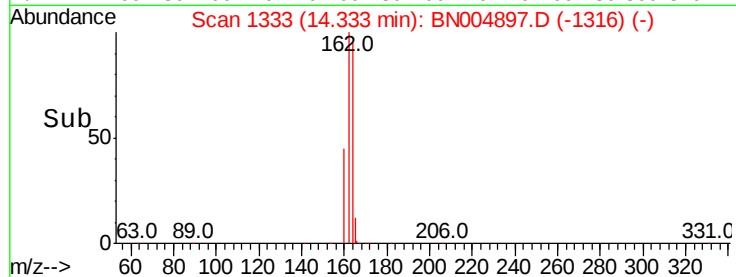
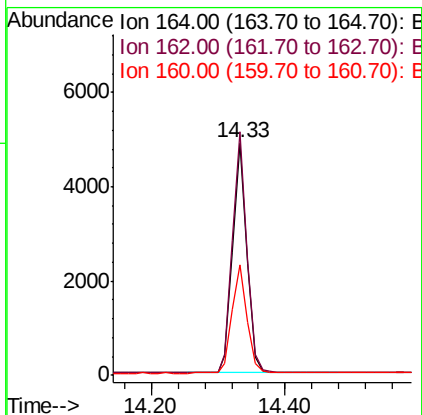
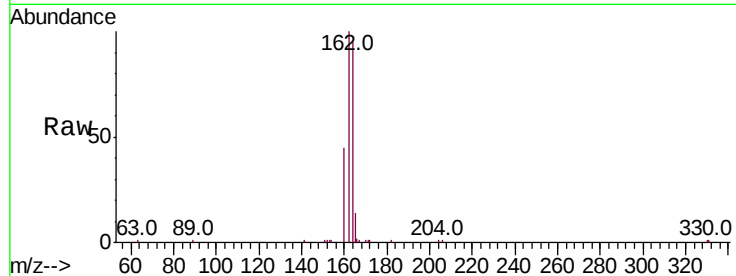
ClientSampleId :

PST-026-B024-031819

Tot Ion:	164	Resp:	7102
Ion Ratio	Lower	Upper	
164	100		
162	104.9	81.9	122.9
160	47.7	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.707 ng

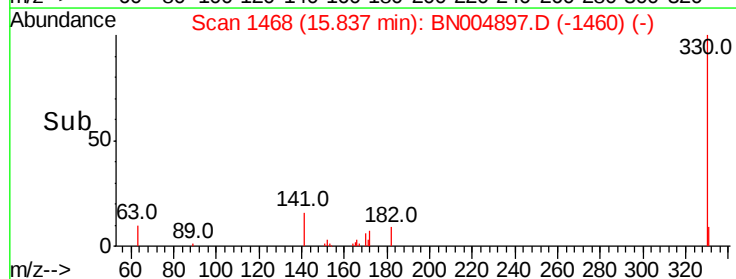
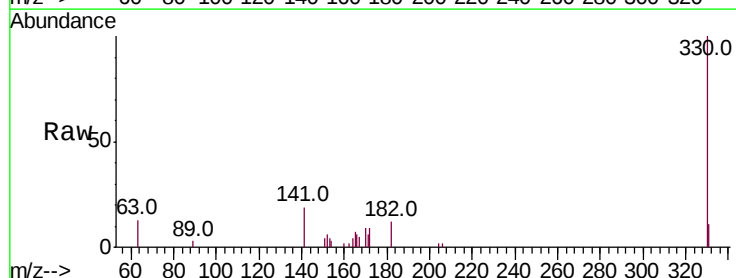
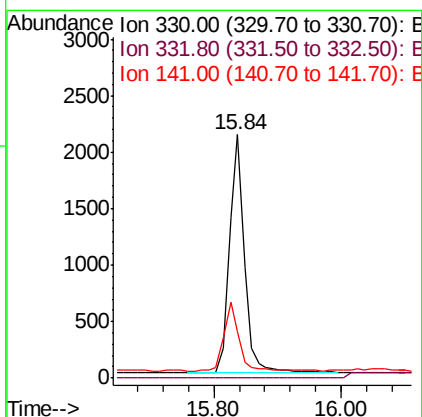
RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004897.D

Acq: 22 Mar 2019 23:09

Tgt Ion:	330	Resp:	3467
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	28.0	20.9	31.3





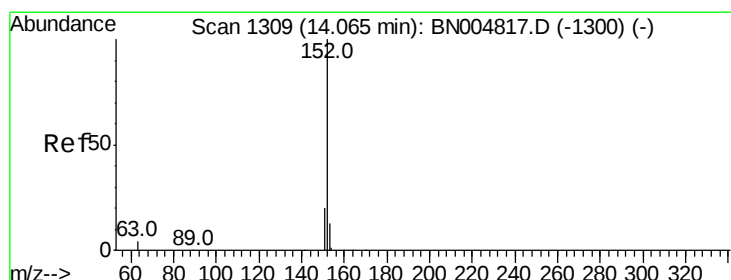
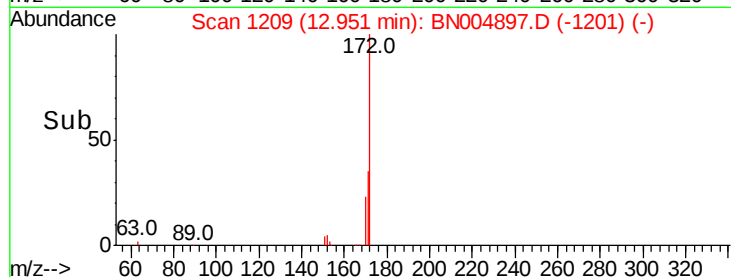
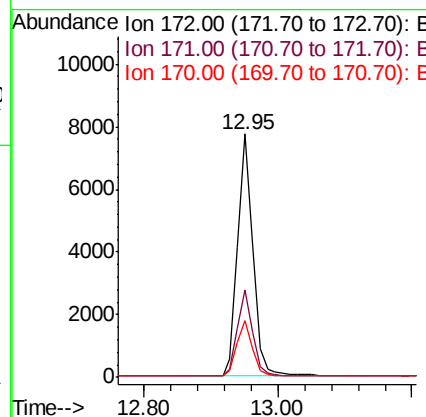
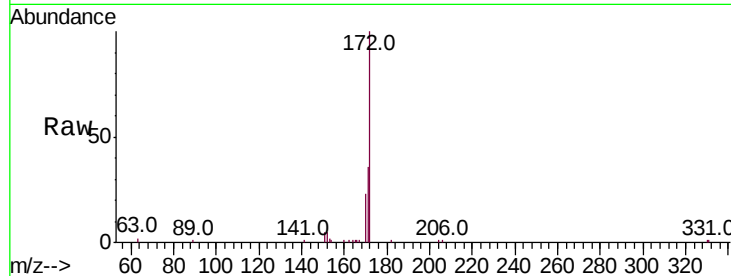
#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.2	18.7	28.1

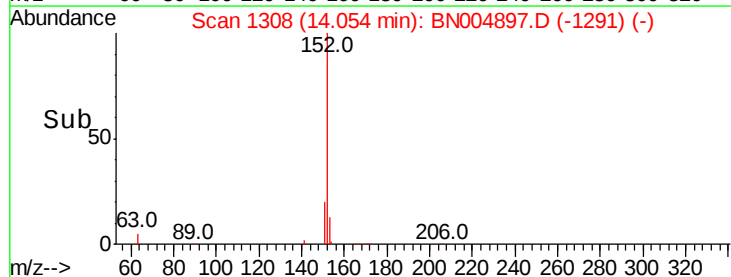
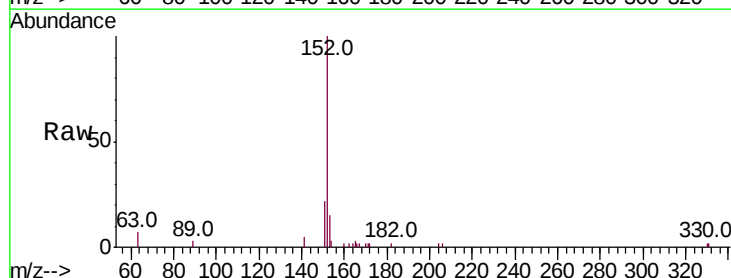
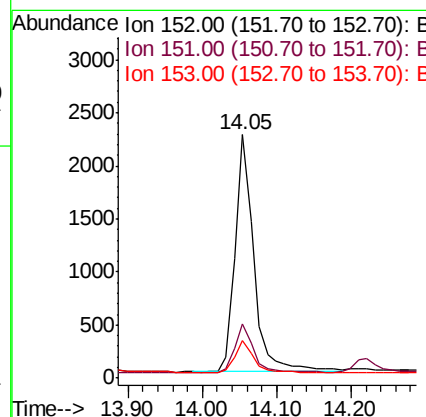
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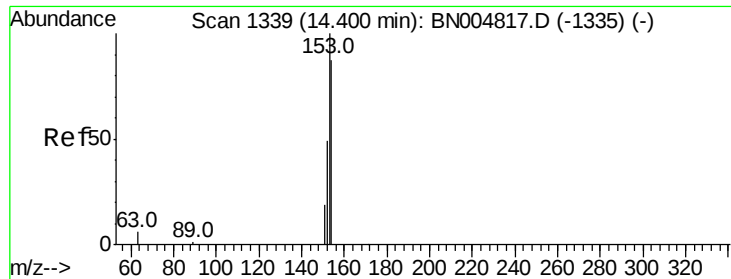
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#16
Acenaphthylene
Concen: 0.108 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	13.2	10.5	15.7





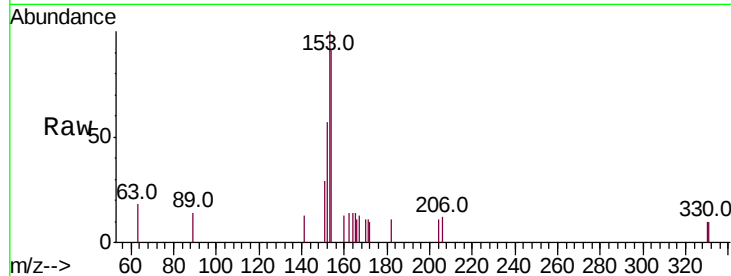
#17
Acenaphthene
Concen: 0.024 ng
RT: 14.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

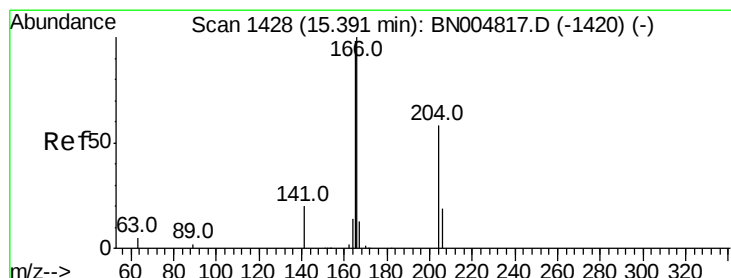
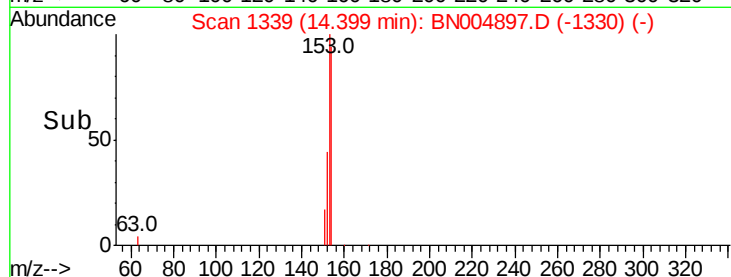
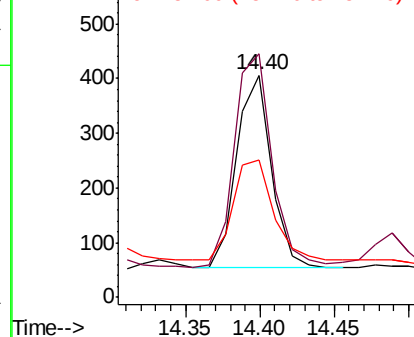
Tot Ion	Ratio	Lower	Upper
154	100		
153	121.0	91.4	137.2
152	59.2	44.2	66.2

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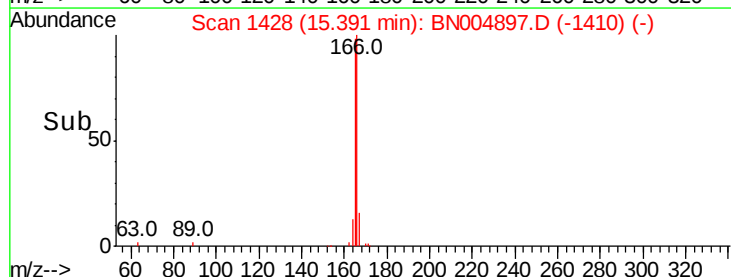
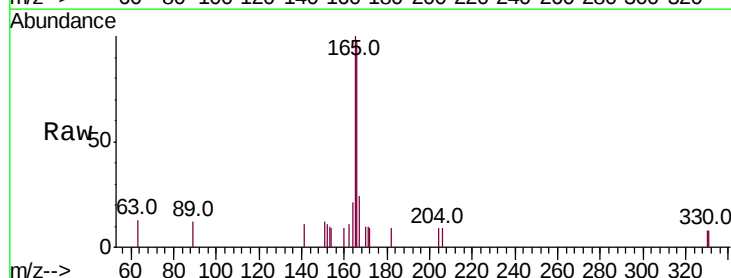
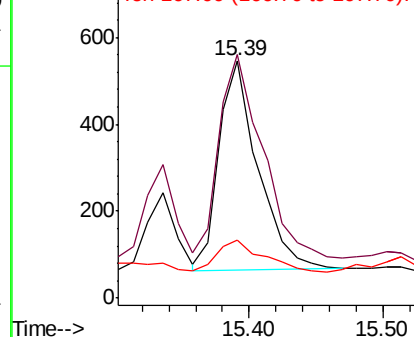
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

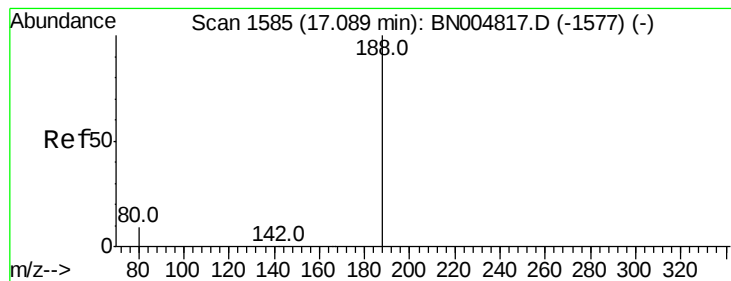


#18
Fluorene
Concen: 0.029 ng
RT: 15.39 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	113.2	78.2	117.4
167	17.9	11.0	16.4#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





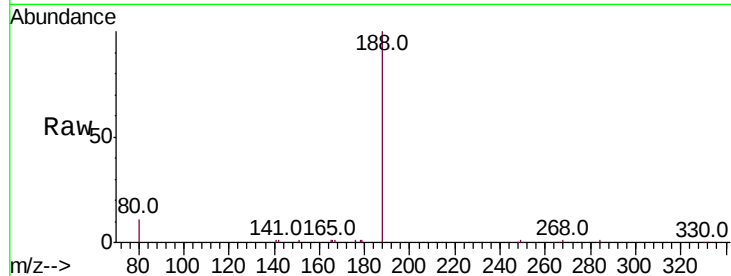
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	7.4	11.2

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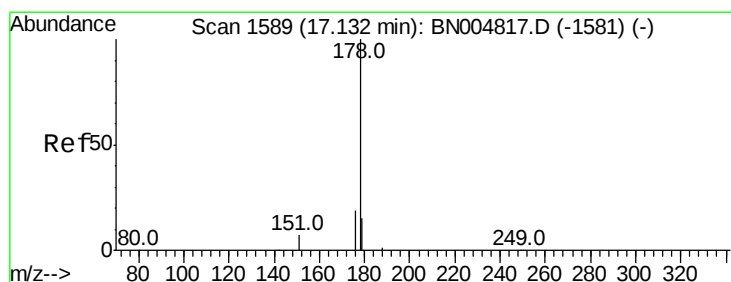
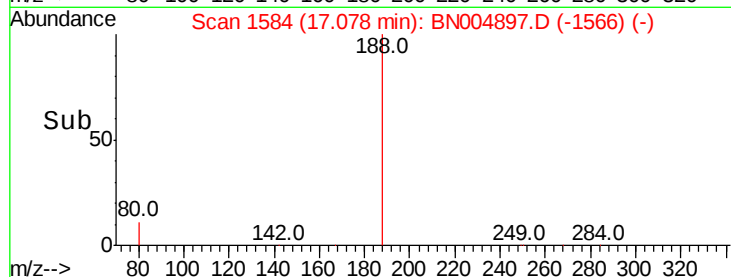
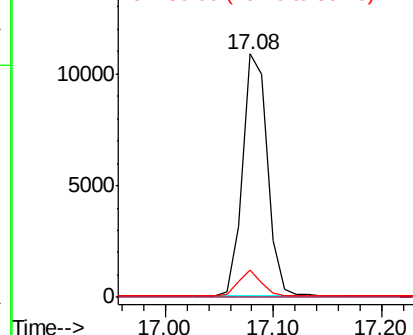


Abundance

Ion 188.00 (187.70 to 188.70): E

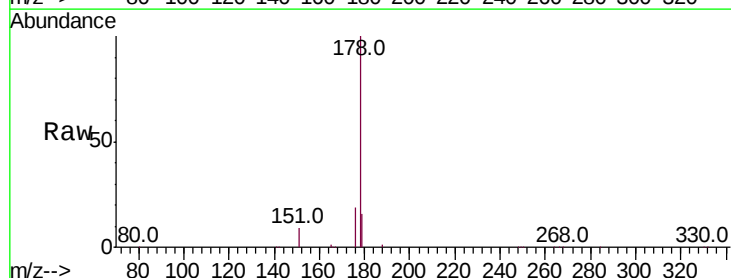
Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23
Phenanthrene
Concen: 0.533 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.5	12.1	18.1

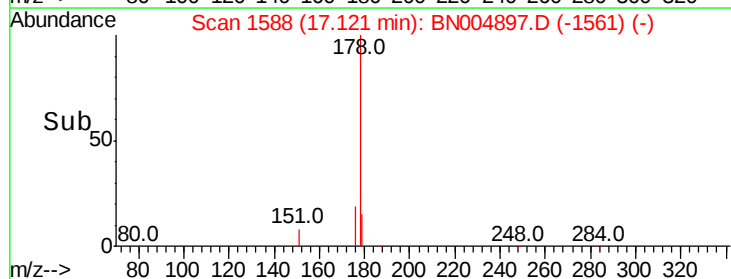
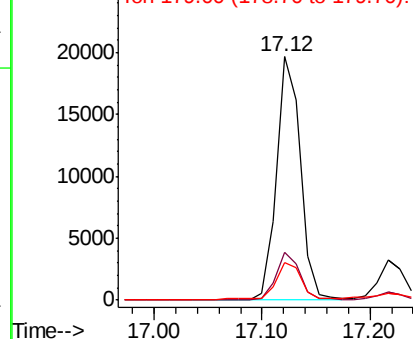


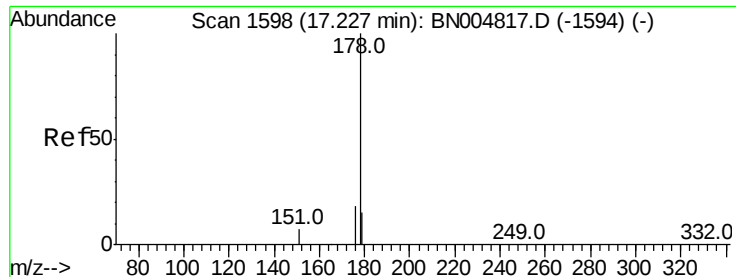
Abundance

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: 0.104 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004897.D

Acq: 22 Mar 2019 23:09

Instrument :

BNA_N

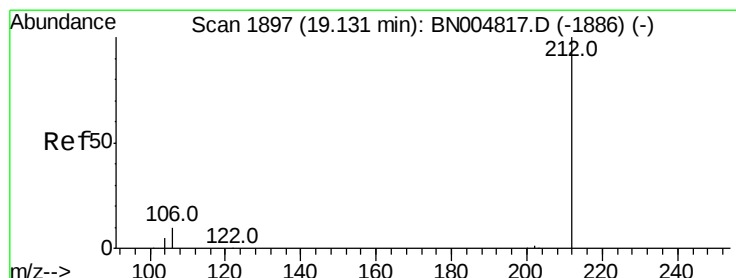
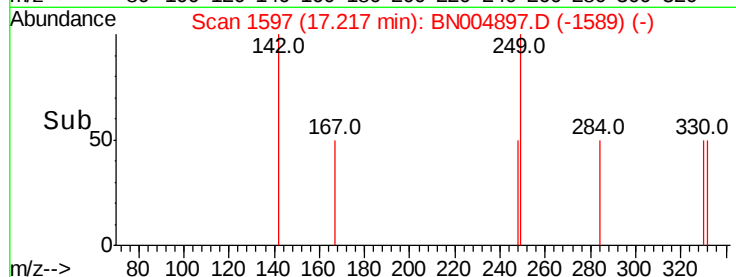
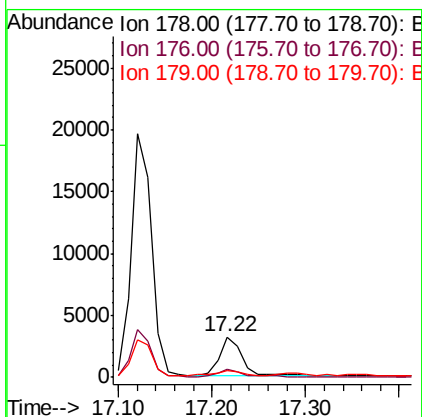
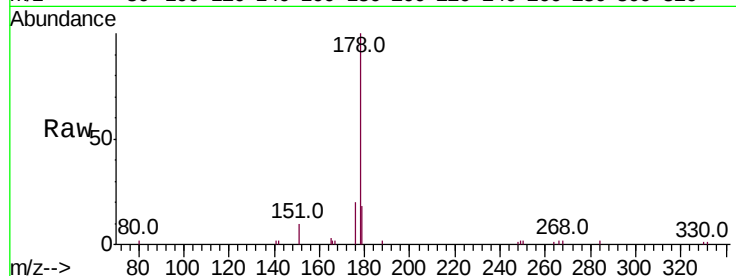
ClientSampleId :

PST-026-B024-031819

Tot Ion:	178	Resp:	5218
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.5	21.7
179	17.9	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.371 ng

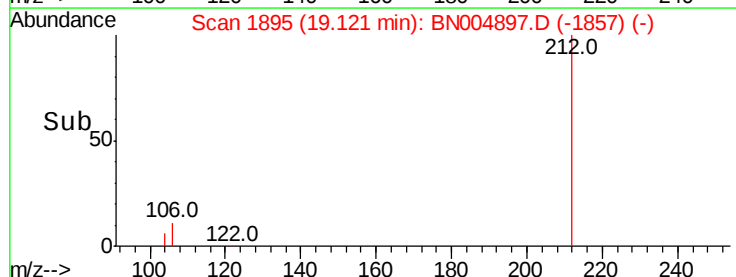
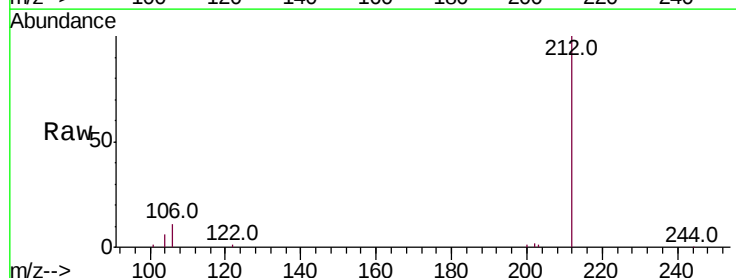
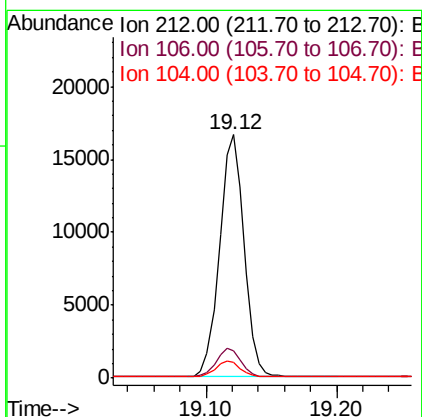
RT: 19.12 min Scan# 1895

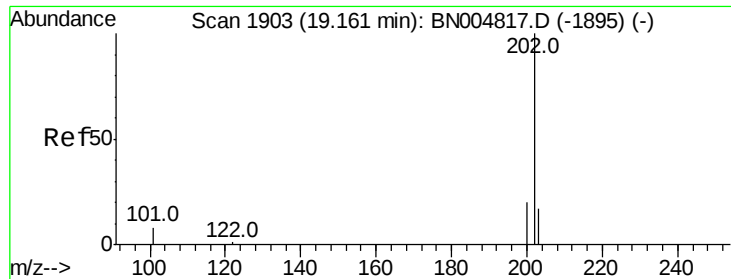
Delta R.T. -0.01 min

Lab File: BN004897.D

Acq: 22 Mar 2019 23:09

Tgt Ion:	212	Resp:	21530
Ion Ratio	Lower	Upper	
212	100		
106	11.7	8.6	13.0
104	6.5	4.7	7.1





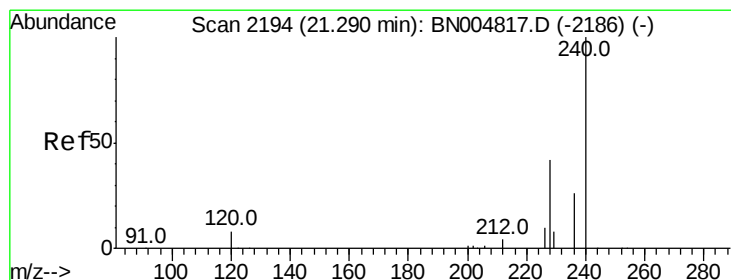
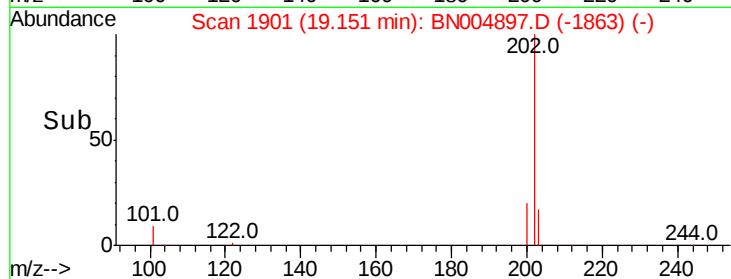
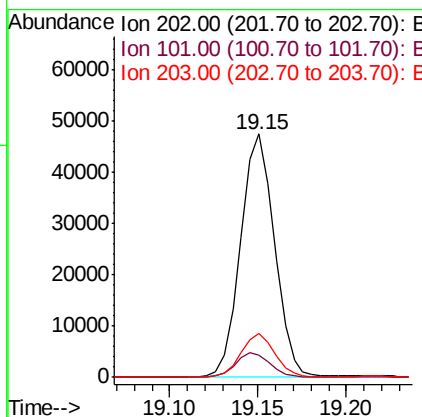
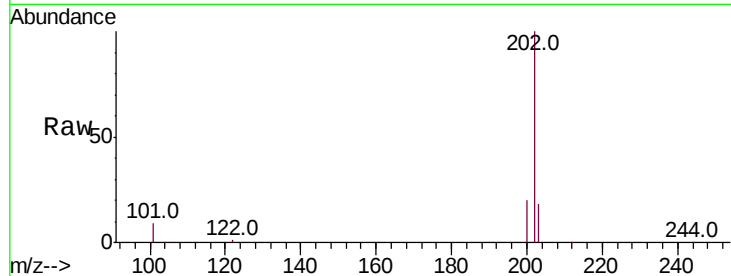
#26
Fluoranthene
 Concen: 0.875 ng
 RT: 19.15 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: BN004897.D
 Acq: 22 Mar 2019 23:09

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.5	11.3
203	17.6	13.8	20.6

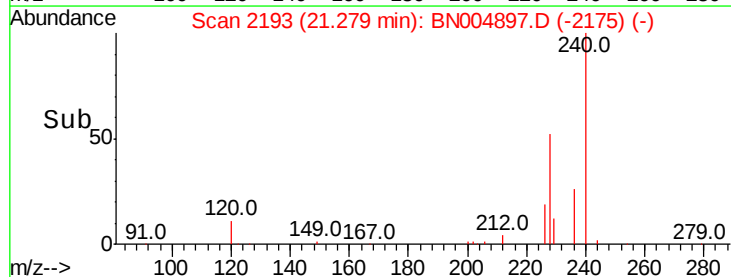
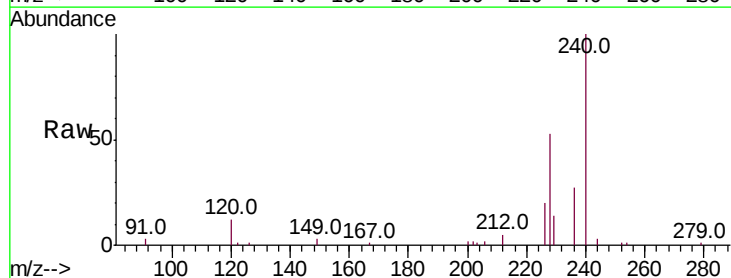
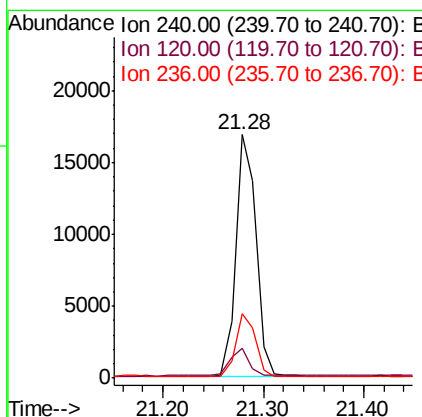
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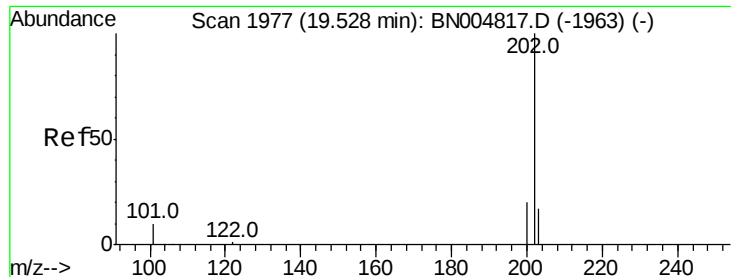
Sohil
 3/25/2019 8:57:40 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004897.D
 Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	7.2	10.8#
236	26.7	20.9	31.3





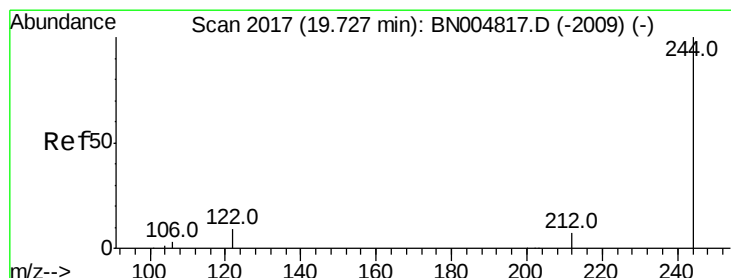
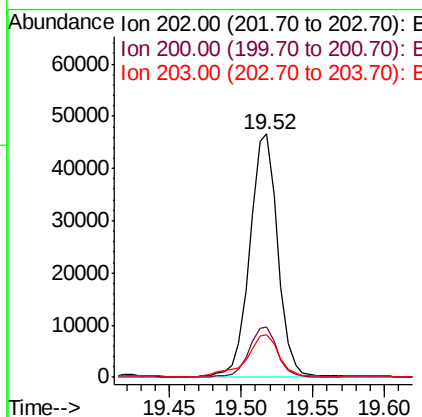
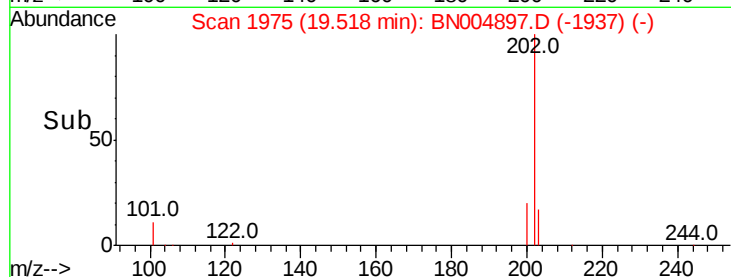
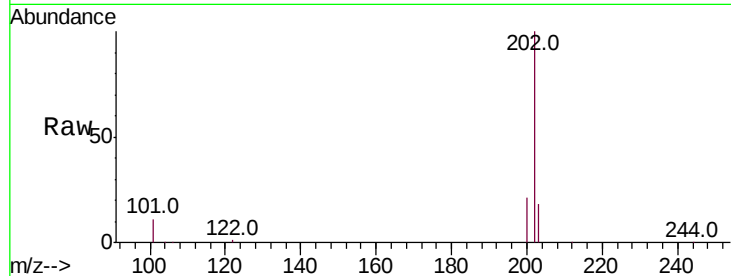
#28
Pvrene
Concen: 0.875 ng
RT: 19.52 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.2	14.0	21.0

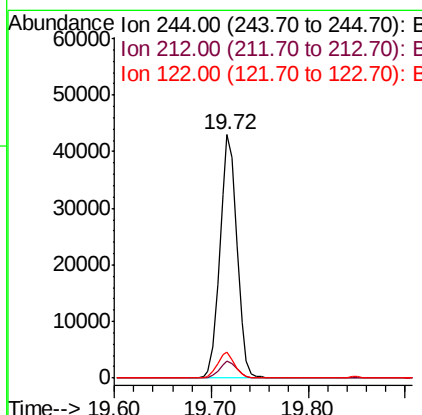
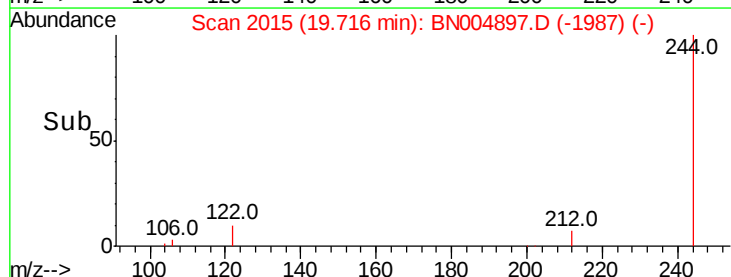
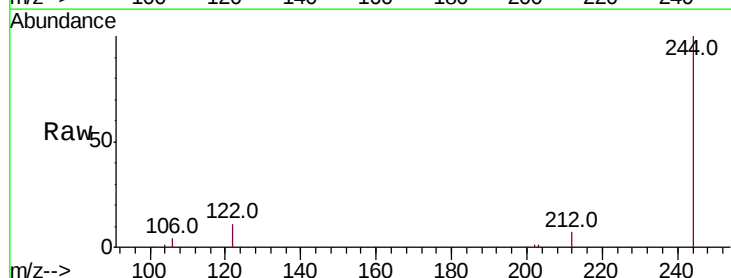
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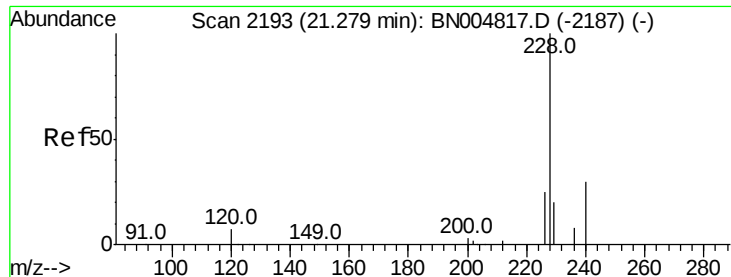
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#29
Terphenyl-d14
Concen: 1.081 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

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





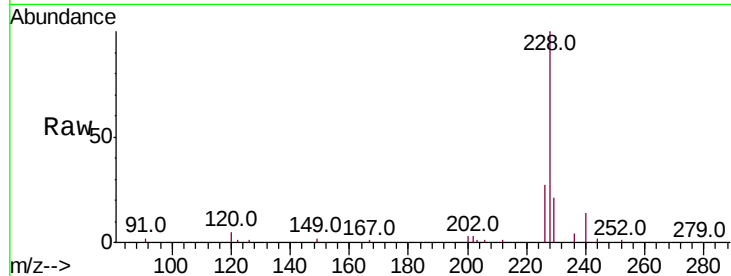
#30
Benzo(a)anthracene
Concen: 0.516 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	20.6	31.0
229	21.5	16.2	24.4

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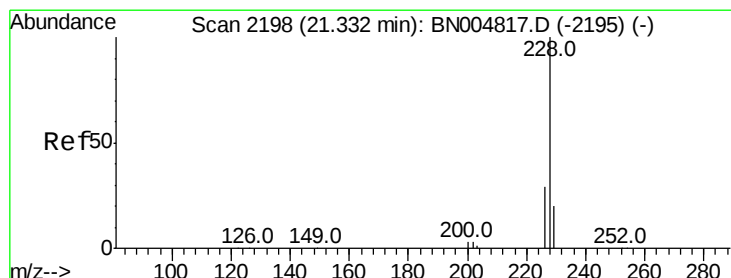
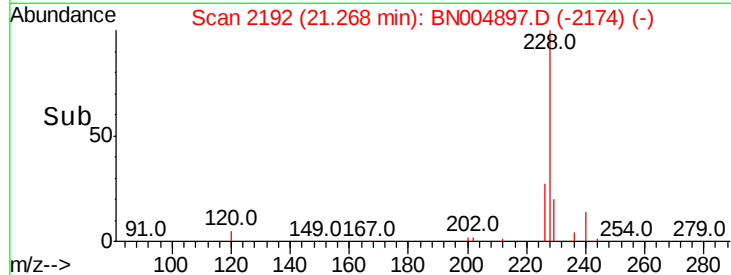
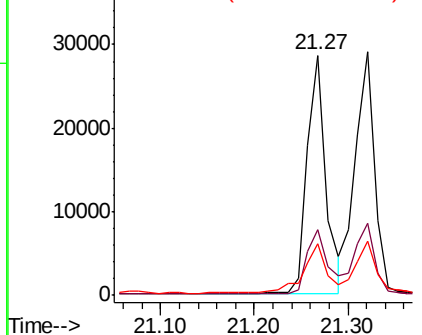


Abundance

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: 0.512 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

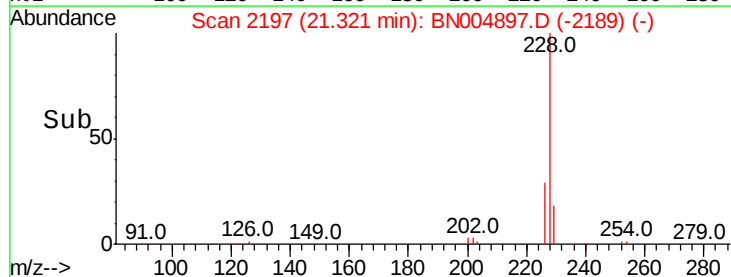
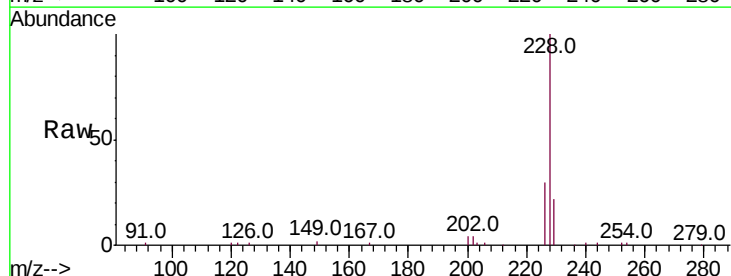
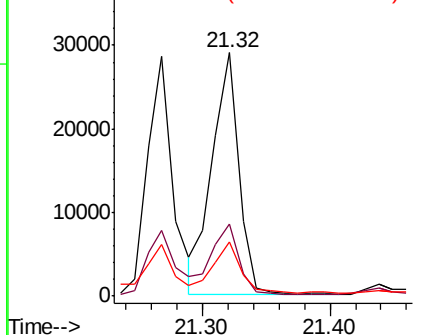
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.0	34.6
229	22.3	16.2	24.2

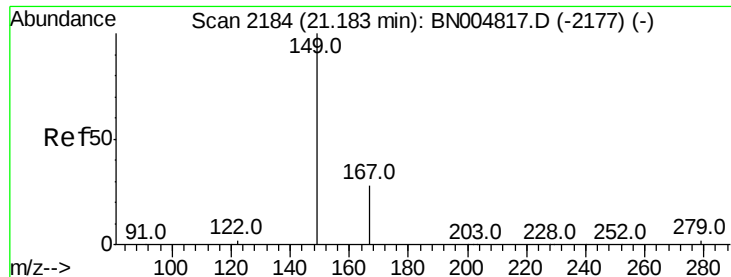
Abundance

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





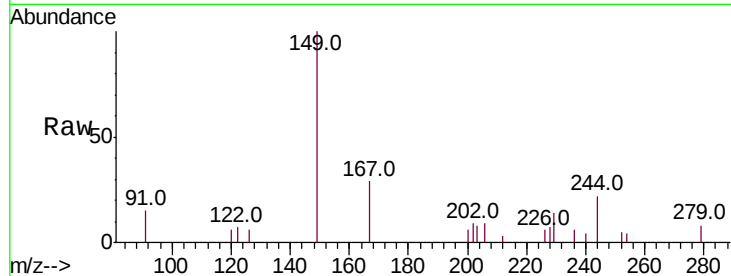
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.087 ng
 RT: 21.18 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: BN004897.D
 Acq: 22 Mar 2019 23:09

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B024-031819

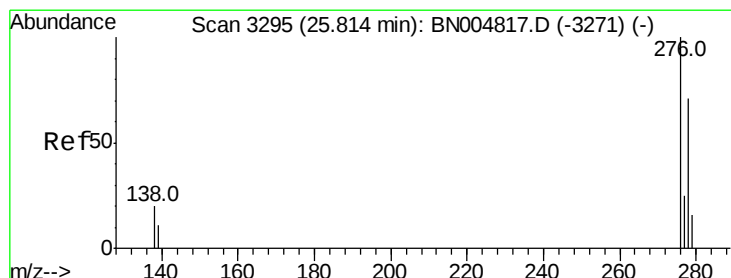
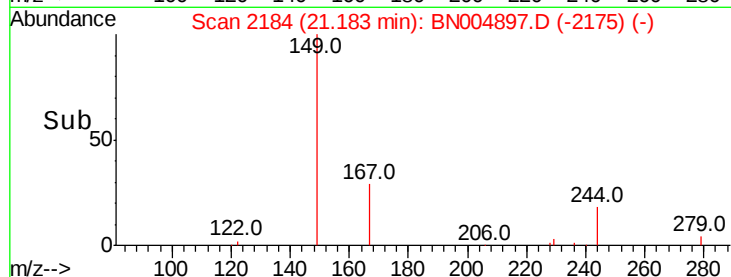
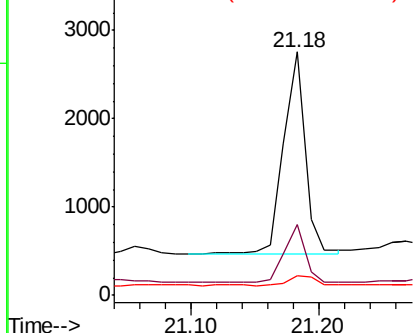
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.0	34.4
279	6.0	4.6	6.8

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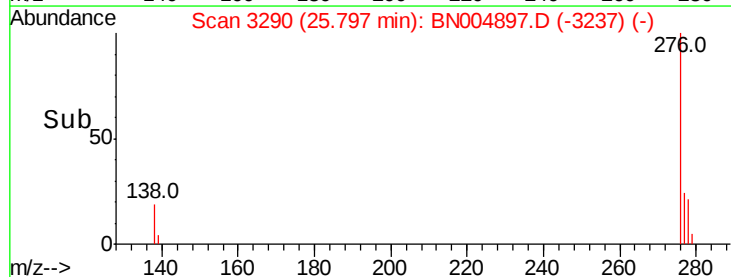
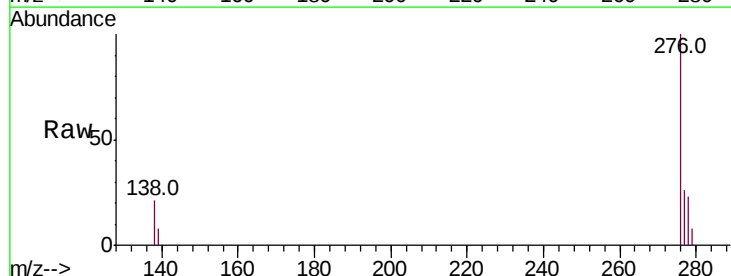
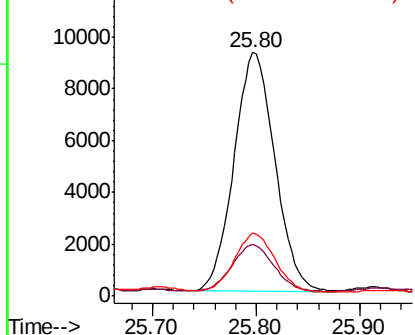
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

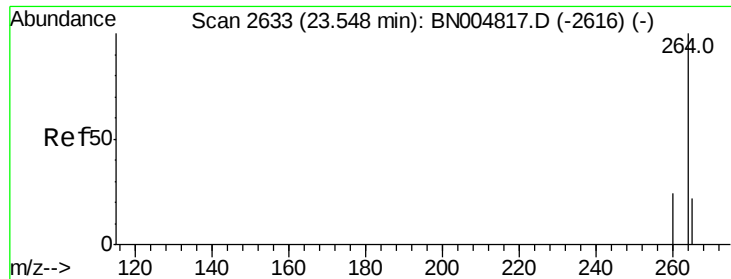


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.214 ng
 RT: 25.80 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BN004897.D
 Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.6	24.8
277	24.6	20.3	30.5

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





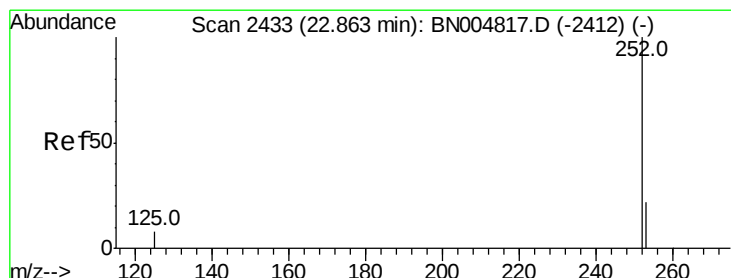
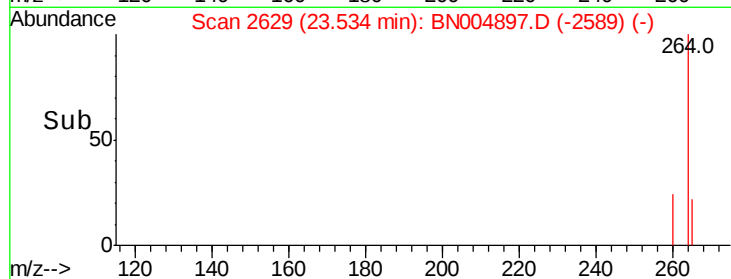
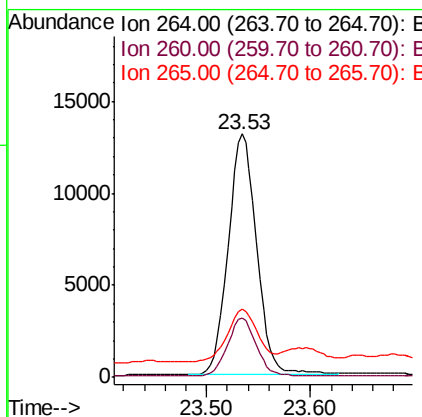
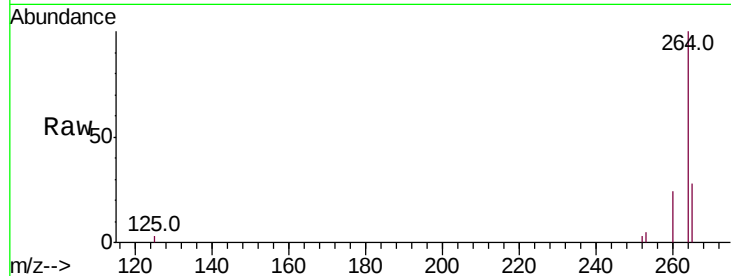
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	27.9	23.1	34.7

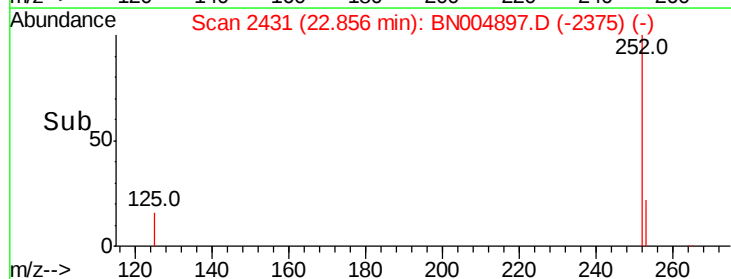
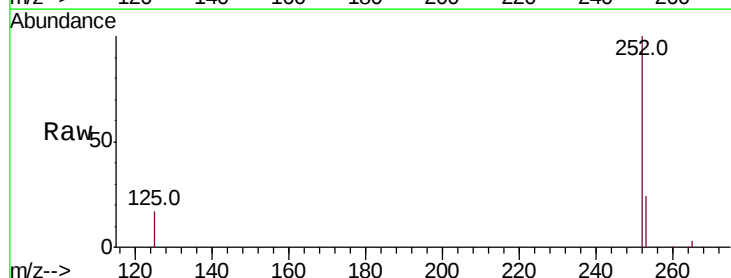
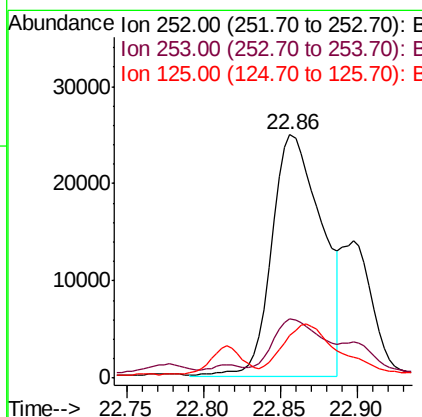
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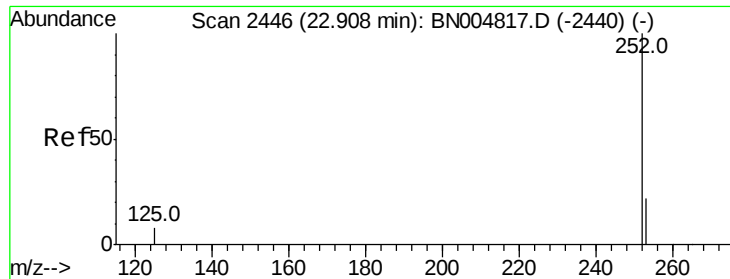
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#35
Benzo(b)fluoranthene
Concen: 0.622 ng m
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.4
125	17.4	7.4	11.2#





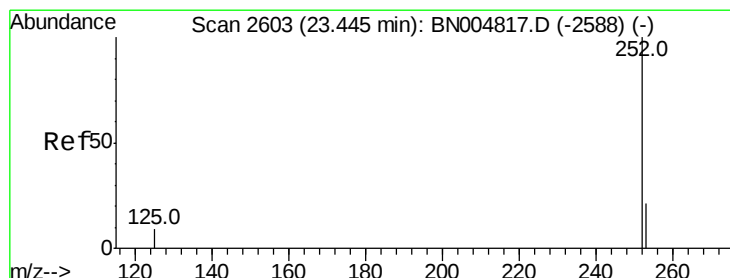
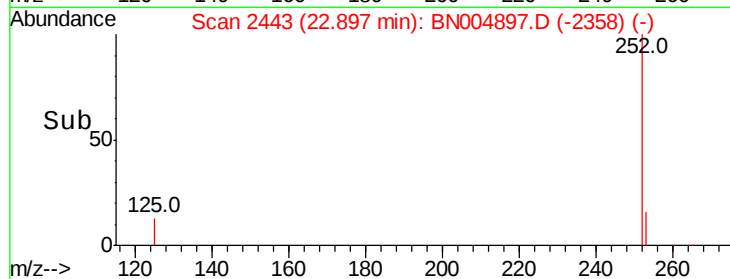
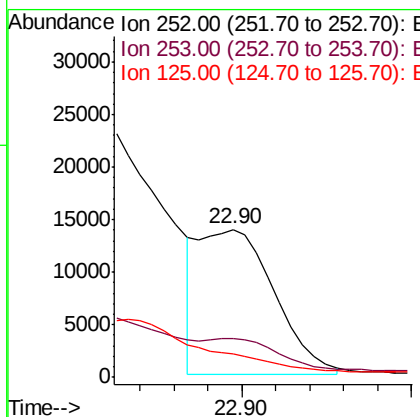
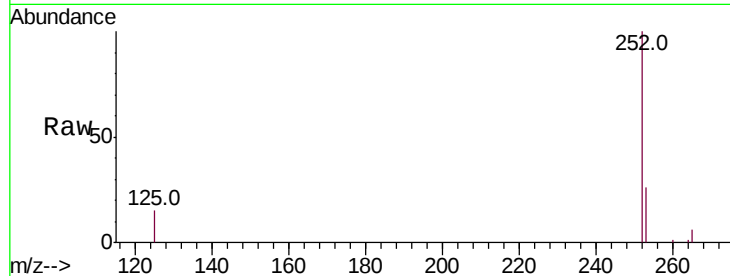
#36
Benzo(k)fluoranthene
Concen: 0.239 ng m
RT: 22.90 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.3	28.9
125	15.4	7.4	11.0

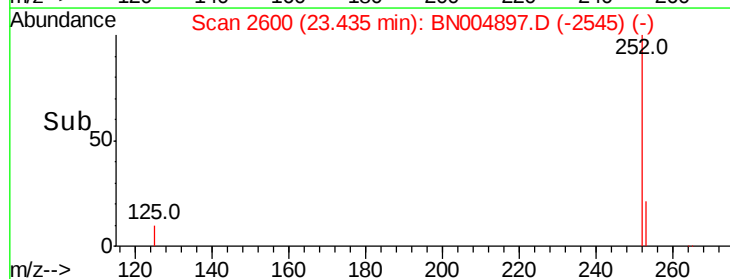
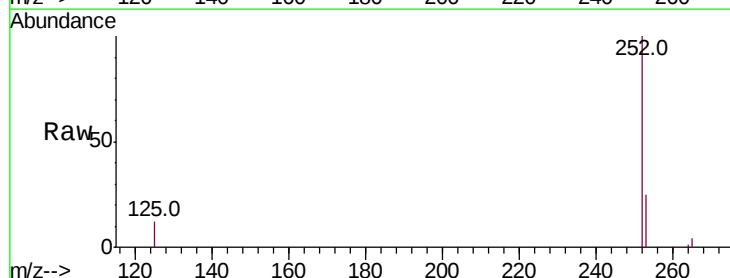
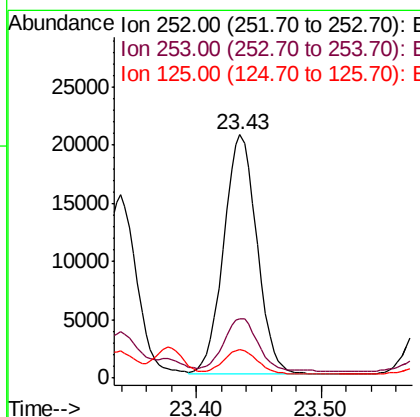
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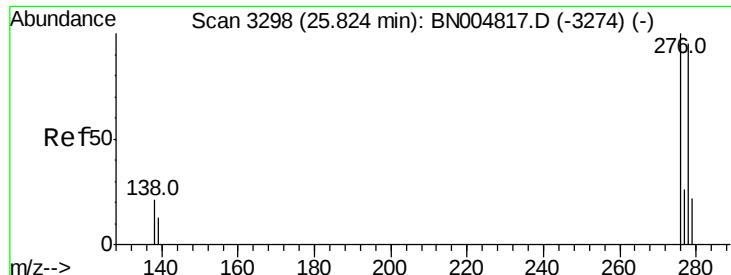
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#37
Benzo(a)pyrene
Concen: 0.459 ng
RT: 23.43 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.7	29.5
125	11.8	8.3	12.5





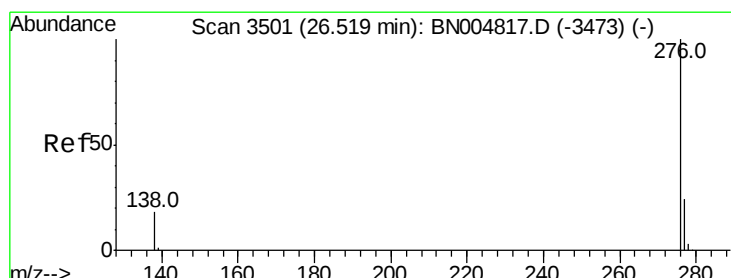
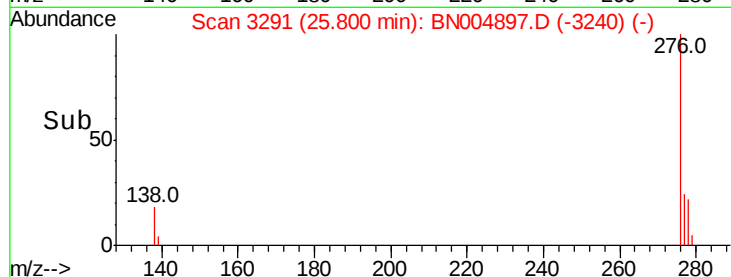
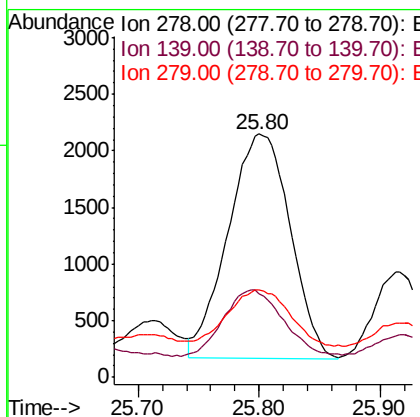
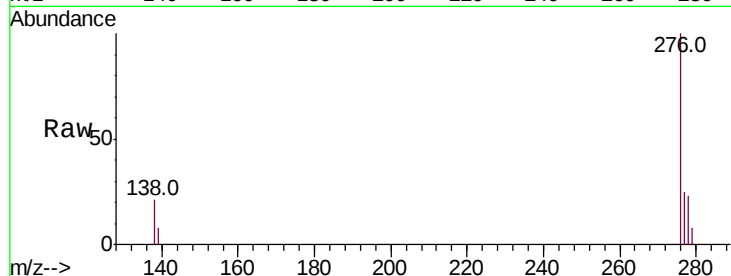
#38
Dibenzo(a,h)anthracene
Concen: 0.073 ng
RT: 25.80 min Scan# 3291
Delta R.T. -0.02 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Instrument :
BNA_N
ClientSampleId :
PST-026-B024-031819

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.6	11.7	17.5#
279	35.8	19.9	29.9#

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#39
Benzo(g,h,i)perylene
Concen: 0.251 ng
RT: 26.50 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BN004897.D
Acq: 22 Mar 2019 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.7	29.5
138	20.3	14.6	22.0

