

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004887.D
 Acq On : 22 Mar 2019 13:38
 Operator : JU/SJ
 Sample : K1817-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B103-030619

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:52:48 AM

Quant Time: Mar 22 22:48:22 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	2136	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10094	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6297	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	15704	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20396	0.40	ng	0.00
34) Perylene-d12	23.54	264	21178	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	2059	0.35	ng	0.00
5) Phenol-d6	6.87	99	2692	0.37	ng	0.00
8) Nitrobenzene-d5	8.87	82	1983	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.07	152	5078	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	1155	0.27	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	7713	0.30	ng	-0.01
25) Fluoranthene-d10	19.13	212	14047	0.27	ng	0.00
29) Terphenyl-d14	19.72	244	10942	0.26	ng	0.00

Target Compounds				Qvalue		
16) Acenaphthylene	14.07	152	2520	0.078	ng	99
23) Phenanthrene	17.13	178	9605	0.189	ng	99
24) Anthracene	17.23	178	1918	0.042	ng	# 91
26) Fluoranthene	19.16	202	33045	0.507	ng	99
28) Pyrene	19.52	202	32146	0.517	ng	# 96
30) Benzo(a)anthracene	21.27	228	19307	0.289	ng	96
31) Chrysene	21.32	228	19825	0.281	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	2793	0.105	ng	97
33) Indeno(1,2,3-cd)pyrene	25.81	276	14505	0.142	ng	98
35) Benzo(b)fluoranthene	22.87	252	29555	0.386	ng	# 95
36) Benzo(k)fluoranthene	22.91	252	10228m	0.136	ng	
37) Benzo(a)pyrene	23.45	252	18802	0.268	ng	# 95
38) Dibenzo(a,h)anthracene	25.82	278	3911	0.048	ng	# 64
39) Benzo(g,h,i)perylene	26.51	276	14294	0.172	ng	97

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

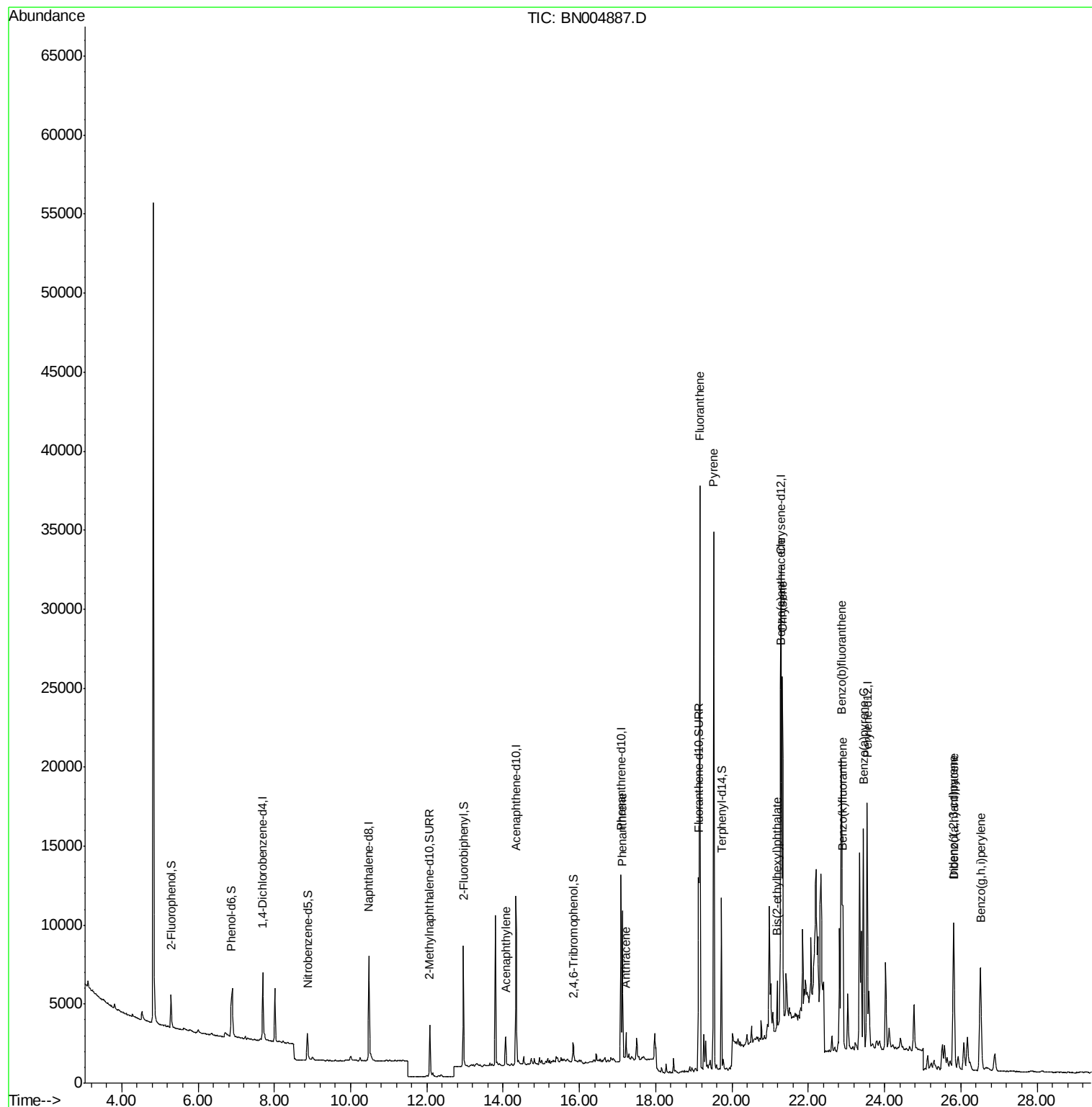
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
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#1

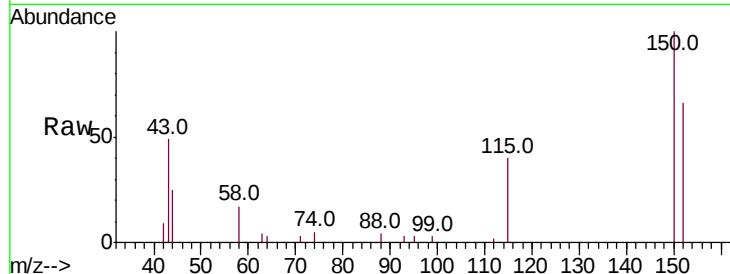
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Instrument :
BNA_N
ClientSampleId :
PST-028-B103-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	126.2	189.4
115	61.3	52.6	79.0

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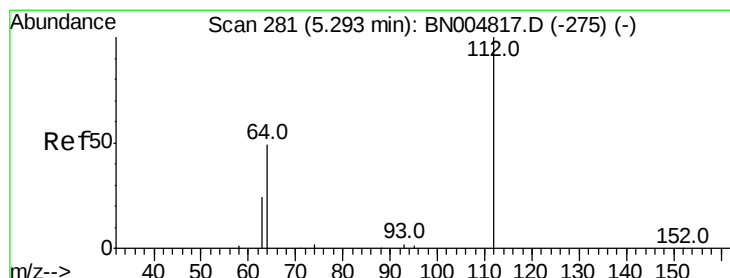
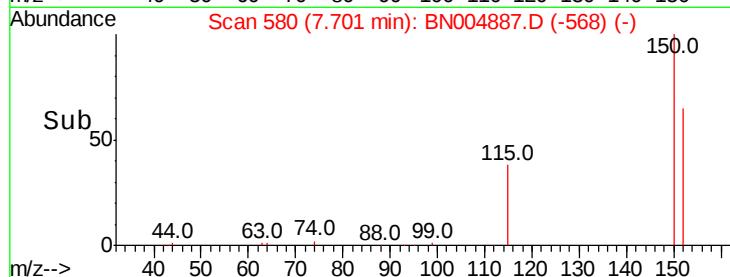
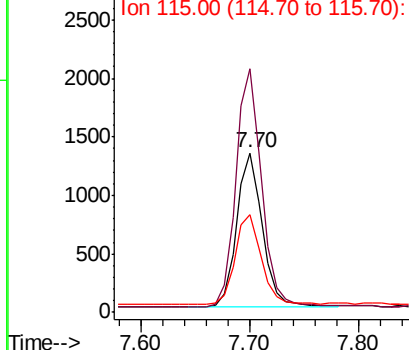


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

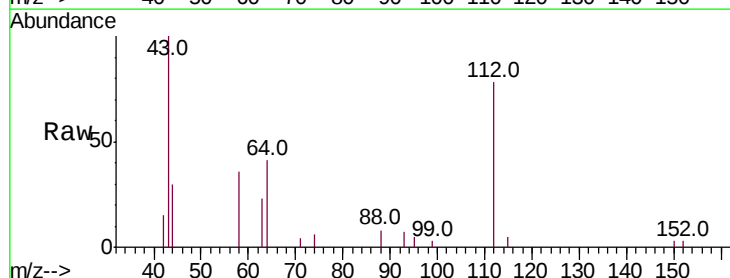
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.355 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	40.0	60.0
63	25.8	20.2	30.2

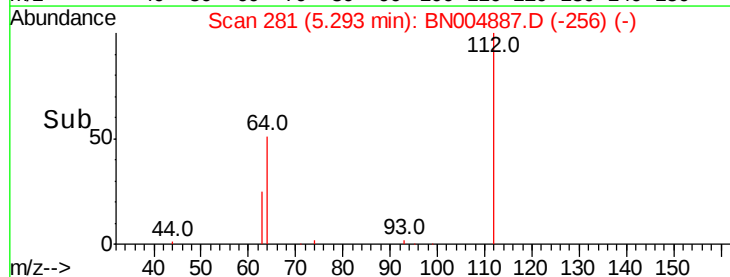
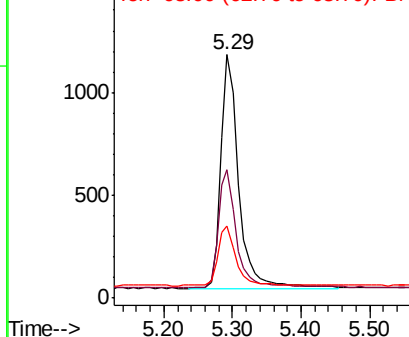


Abundance

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: 0.372 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

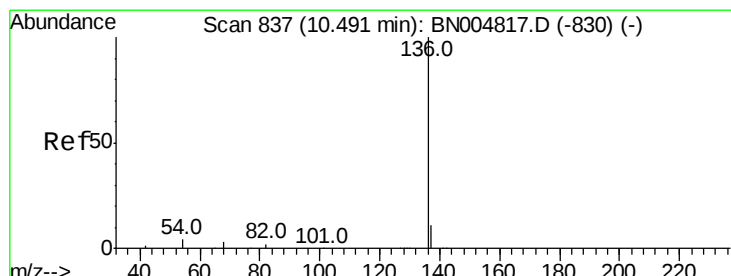
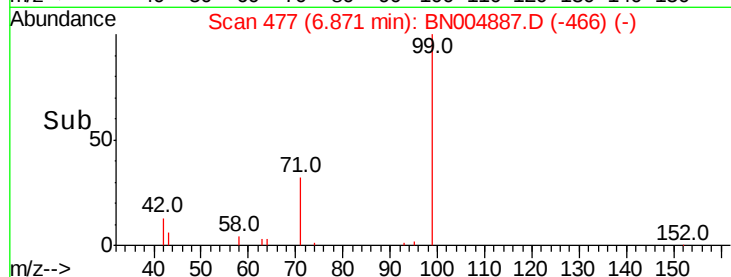
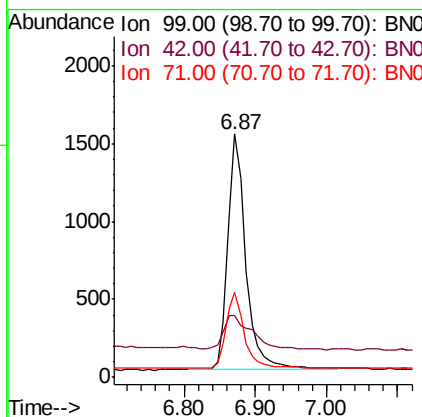
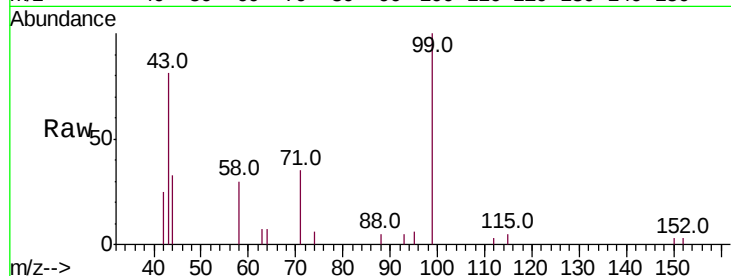
ClientSampleId :

PST-028-B103-030619

Tot Ion:	99	Resp:	2692
Ion Ratio	Lower	Upper	
99	100		
42	22.7	12.7	19.1#
71	31.9	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

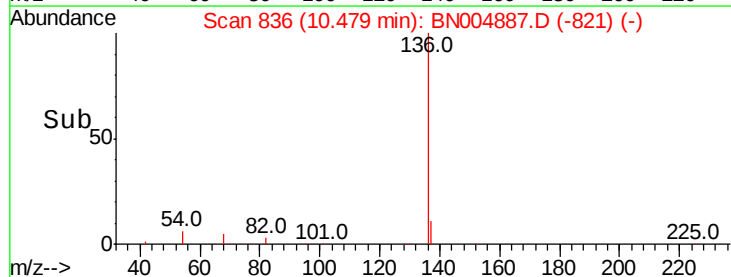
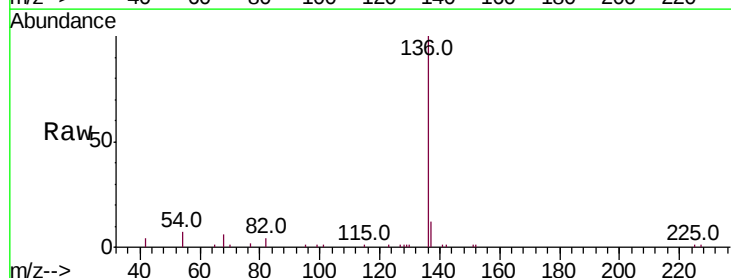
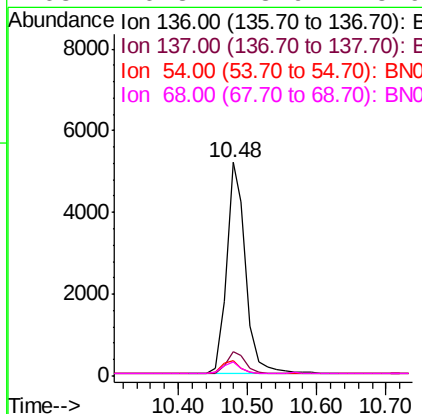
RT: 10.48 min Scan# 836

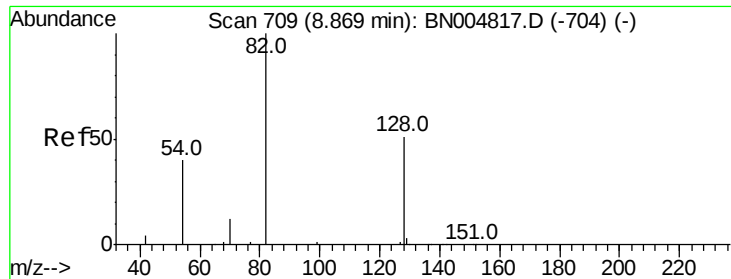
Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Tgt Ion:	136	Resp:	10094
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.6	14.4
54	7.5	4.2	6.2#
68	6.3	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.297 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

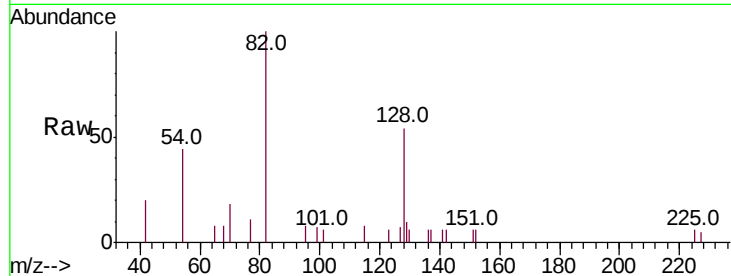
ClientSampleId :

PST-028-B103-030619

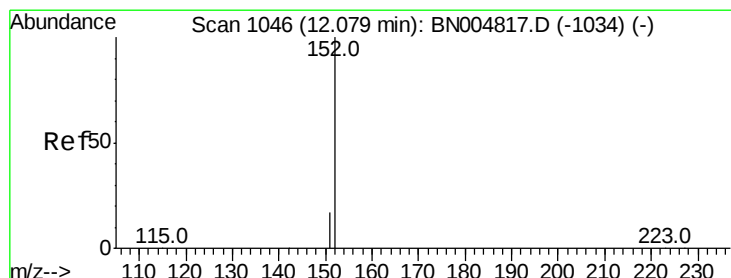
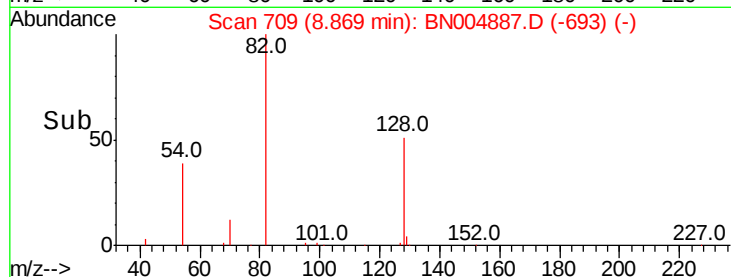
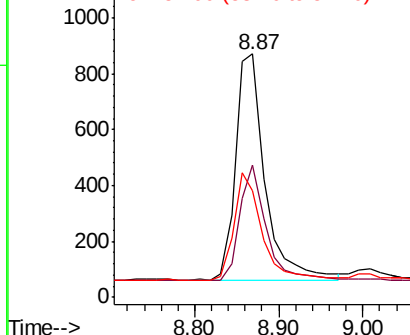
Tot Ion:	82	Resp:	1983
Ion Ratio	Lower	Upper	
82	100		
128	54.4	43.0	64.6
54	44.0	35.3	52.9

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Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 128.00 (127.70 to 128.70): BNC
Ion 54.00 (53.70 to 54.70): BNC



#11

2-Methylnaphthalene-d10

Concen: 0.288 ng

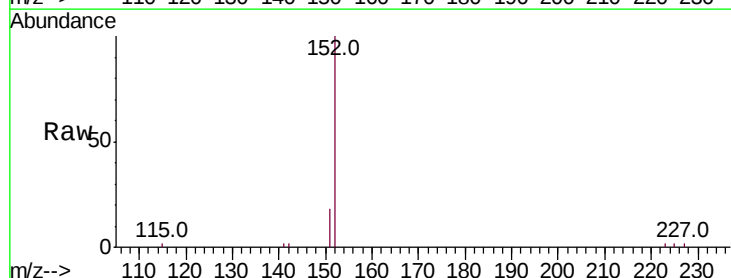
RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

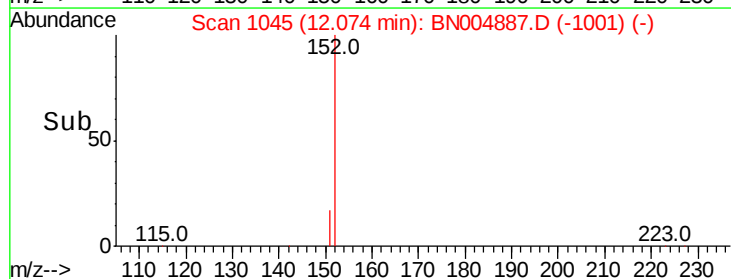
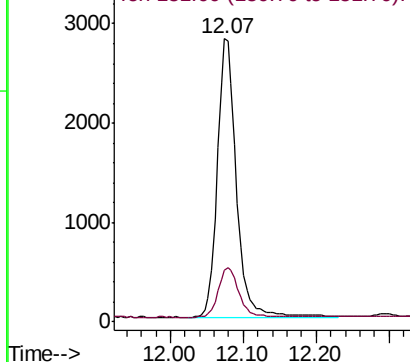
Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Tgt Ion:	152	Resp:	5078
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): BNC
Ion 151.00 (150.70 to 151.70): BNC





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

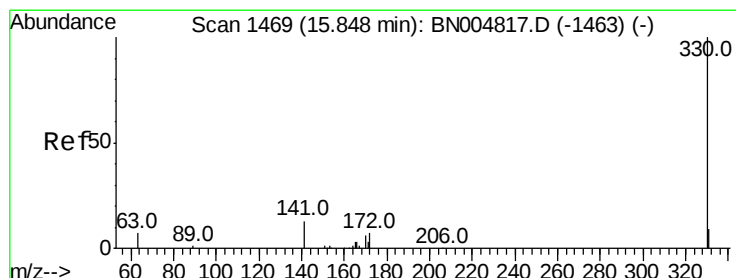
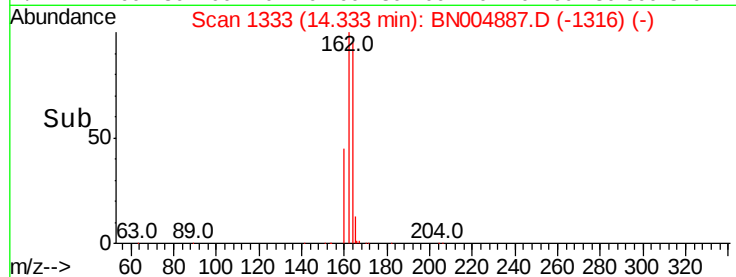
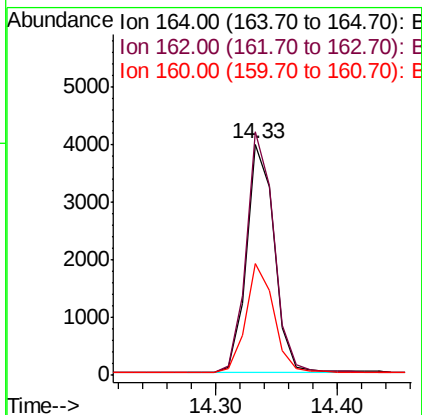
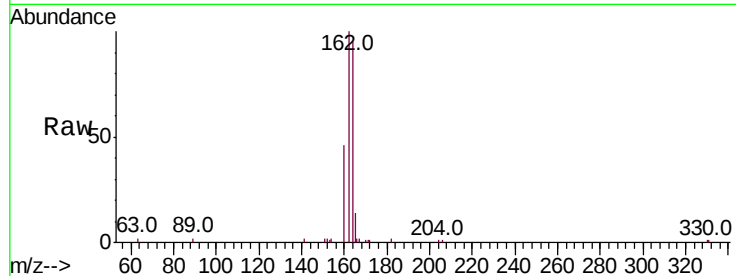
ClientSampleId :

PST-028-B103-030619

Tot Ion:	164	Resp:	6297
Ion Ratio	Lower	Upper	
164	100		
162	105.2	81.9	122.9
160	48.3	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.266 ng

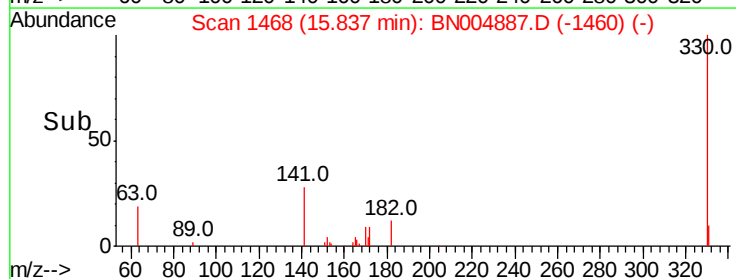
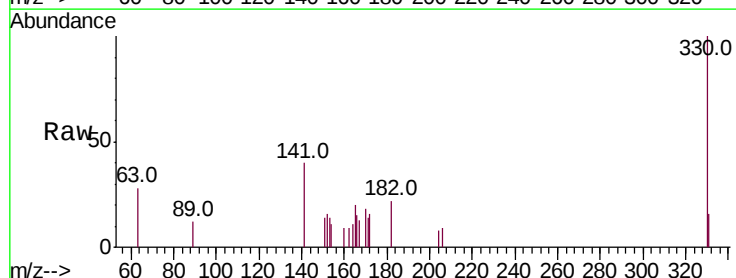
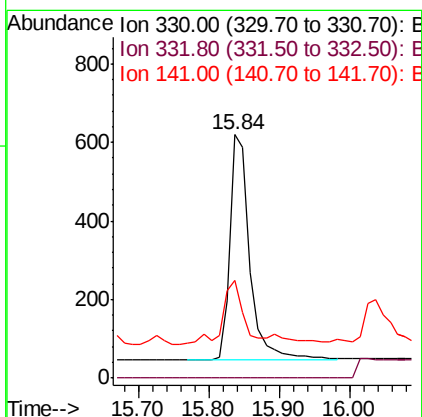
RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Tgt Ion:	330	Resp:	1155
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	28.4	20.9	31.3





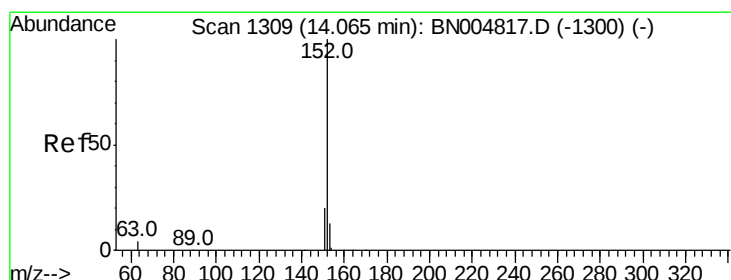
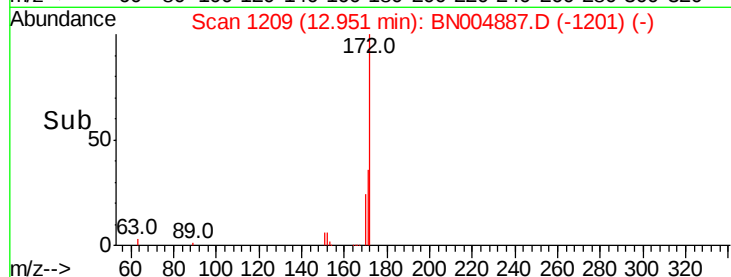
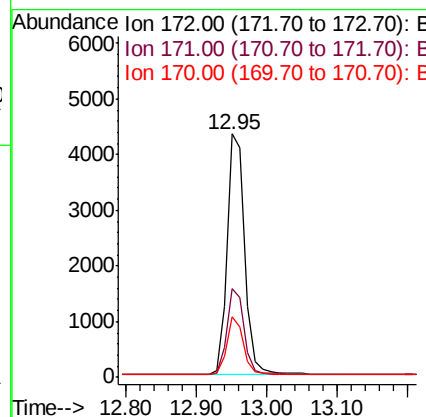
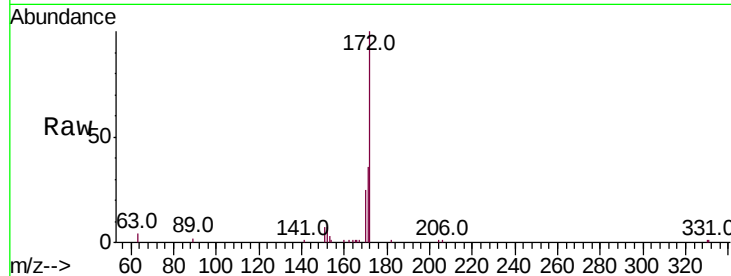
#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Instrument :
BNA_N
ClientSampleId :
PST-028-B103-030619

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.7	43.1
170	25.0	18.7	28.1

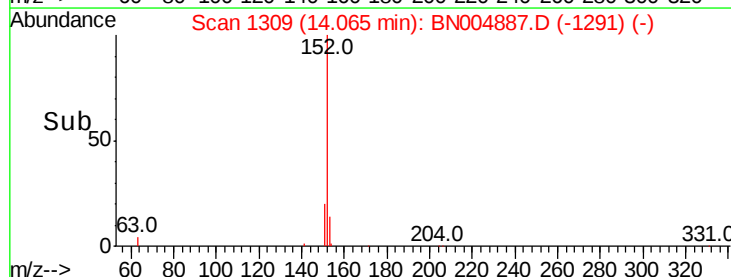
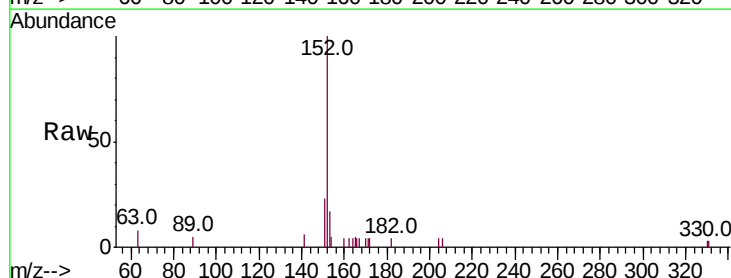
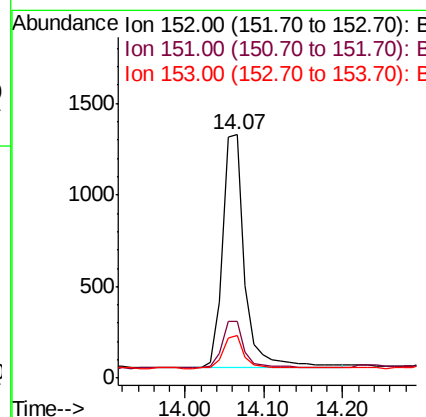
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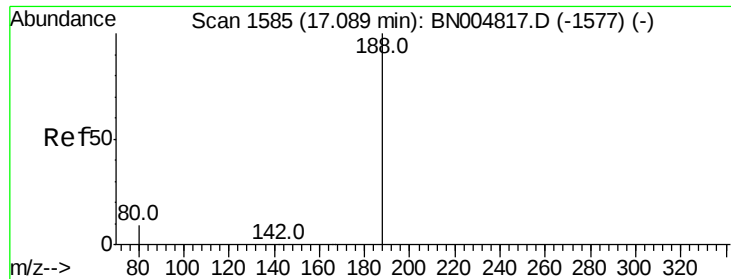
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#16
Acenaphthylene
Concen: 0.078 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.1	24.1
153	13.9	10.5	15.7





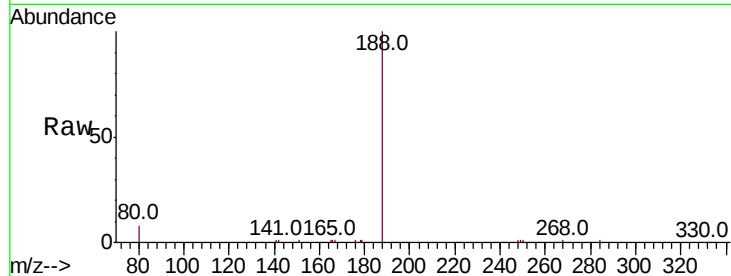
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Instrument :
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ClientSampleId :
PST-028-B103-030619

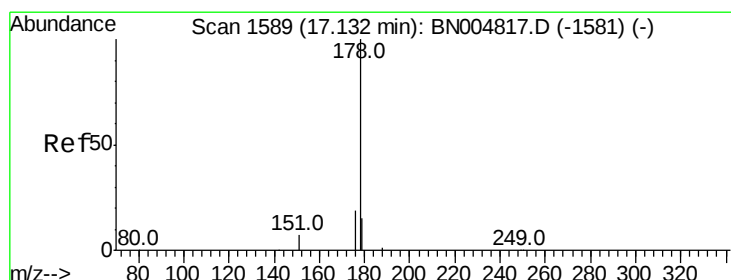
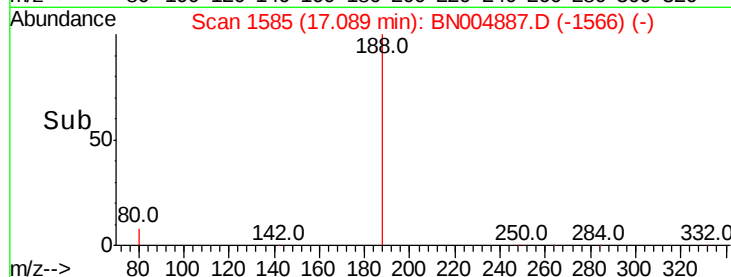
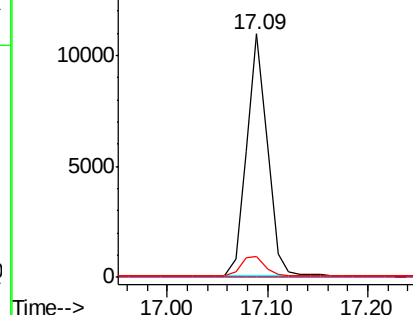
Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	7.4	11.2

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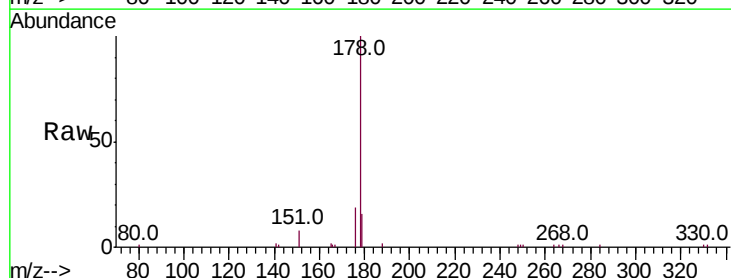


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

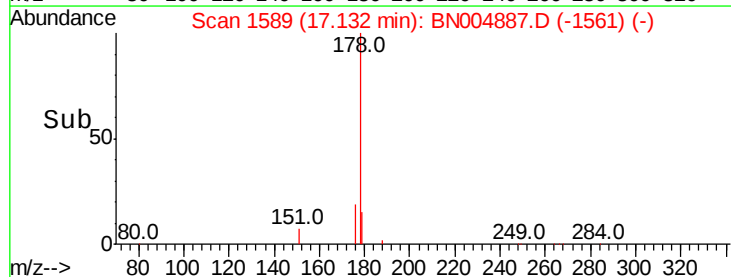
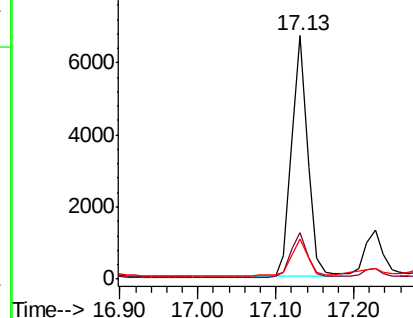


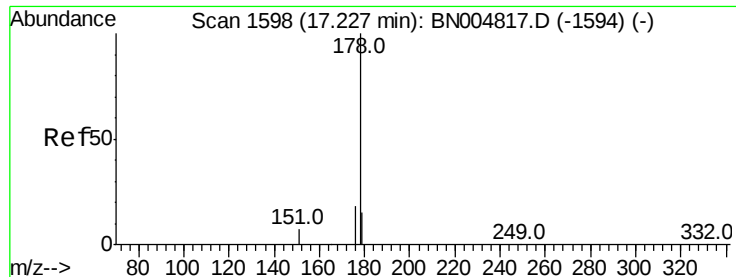
#23
Phenanthrene
Concen: 0.189 ng
RT: 17.13 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion	Ratio	Lower	Upper
178	100		
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





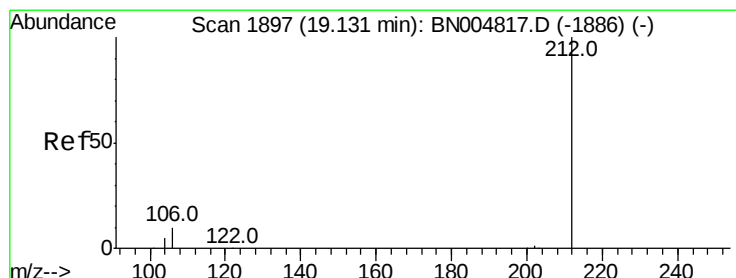
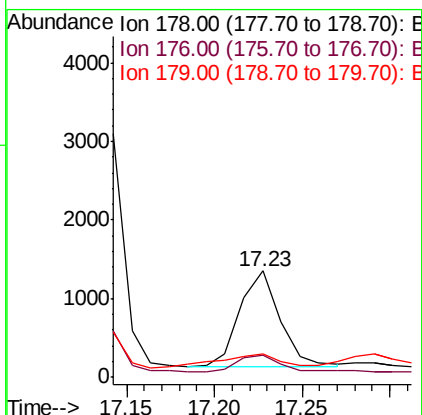
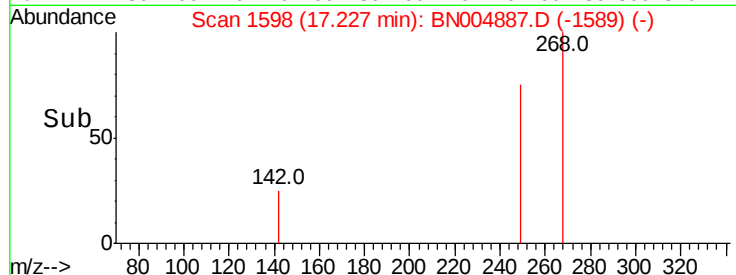
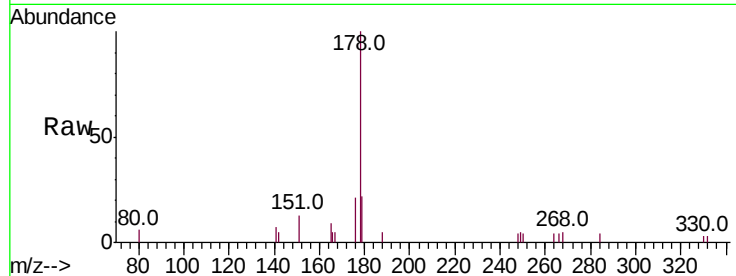
#24
 Anthracene
 Concen: 0.042 ng
 RT: 17.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BN004887.D
 Acq: 22 Mar 2019 13:38

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B103-030619

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.5	21.7
179	22.5	12.2	18.4

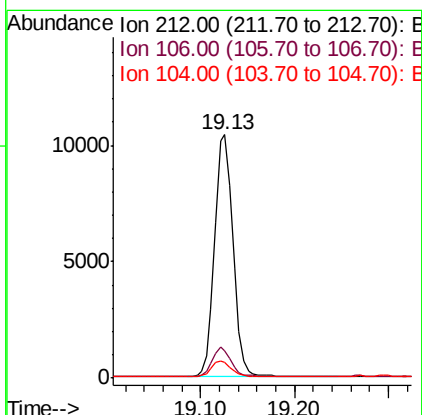
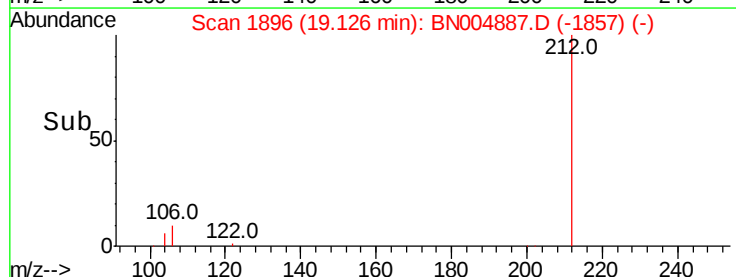
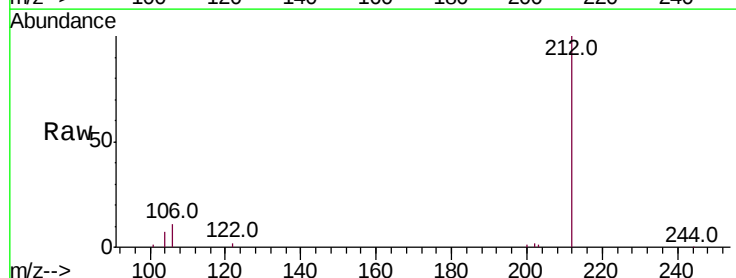
Manual Integrations
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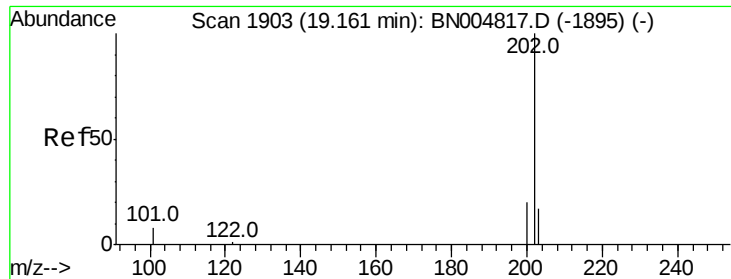
Sohil
 3/25/2019 8:52:48 AM



#25
 Fluoranthene-d10
 Concen: 0.267 ng
 RT: 19.13 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: BN004887.D
 Acq: 22 Mar 2019 13:38

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.6	8.6	13.0
104	6.4	4.7	7.1





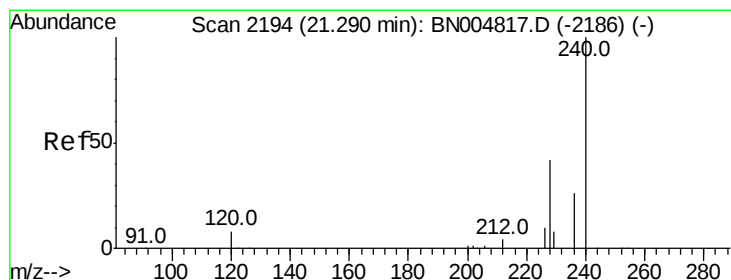
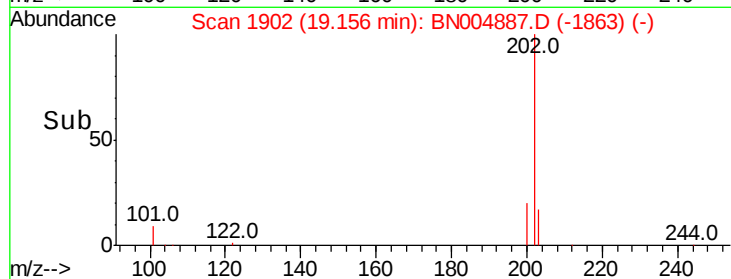
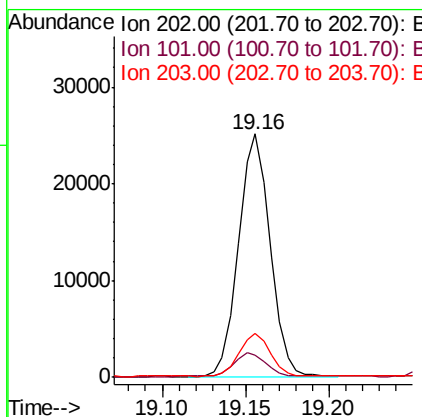
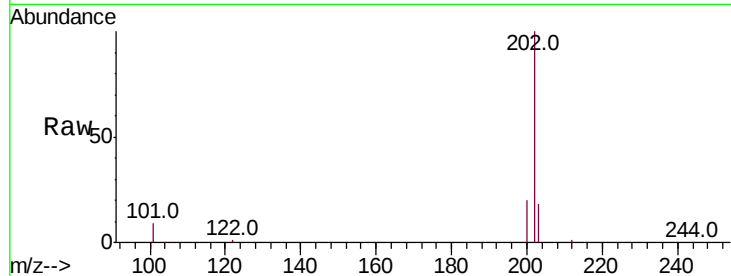
#26
Fluoranthene
 Concen: 0.507 ng
 RT: 19.16 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: BN004887.D
 Acq: 22 Mar 2019 13:38

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B103-030619

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.5	11.3
203	17.4	13.8	20.6

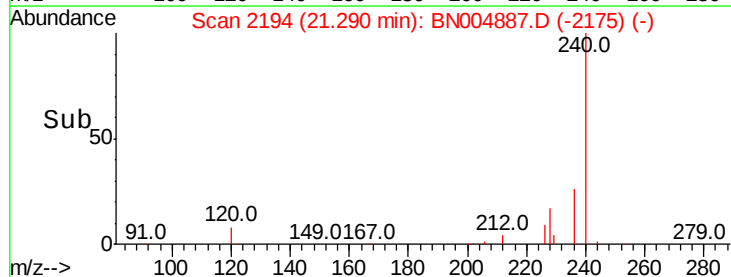
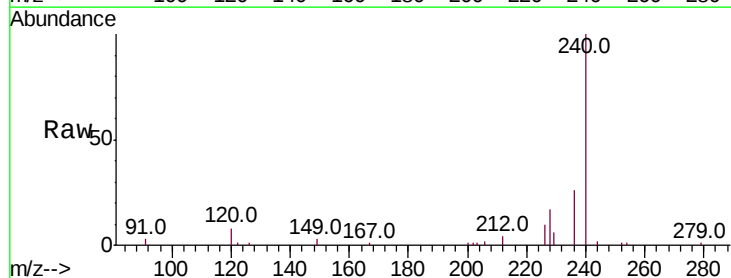
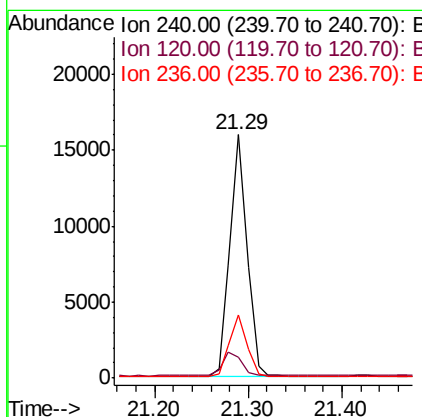
Manual Integrations
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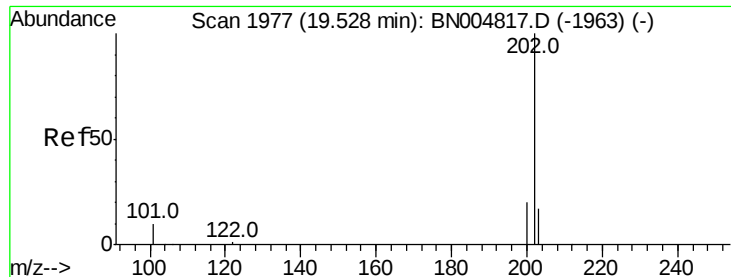
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BN004887.D
 Acq: 22 Mar 2019 13:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.2	10.8
236	26.1	20.9	31.3





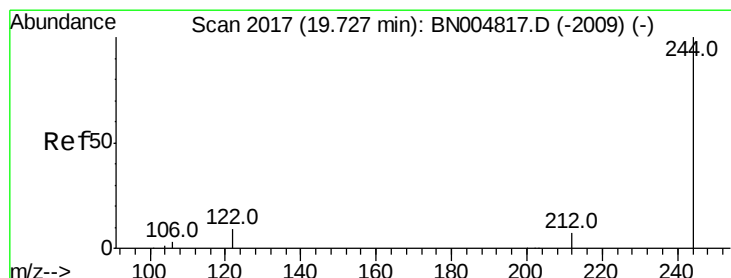
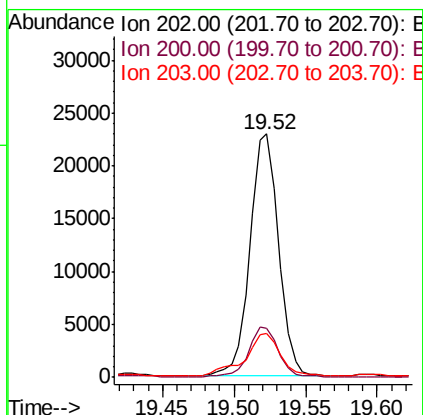
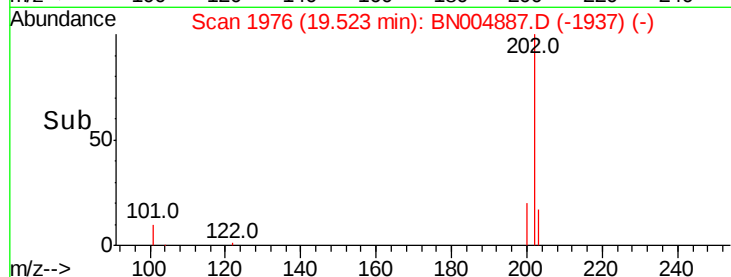
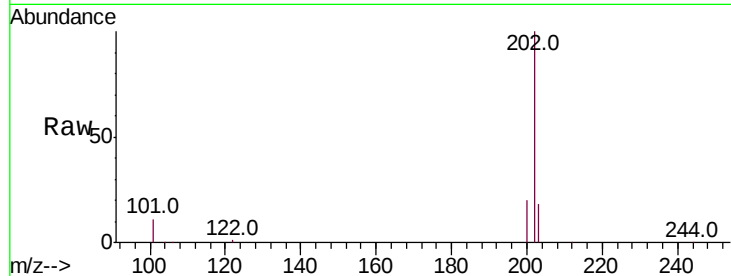
#28
Pvrene
Concen: 0.517 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Instrument :
BNA_N
ClientSampleId :
PST-028-B103-030619

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

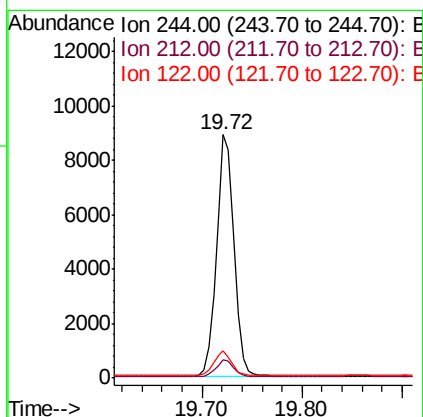
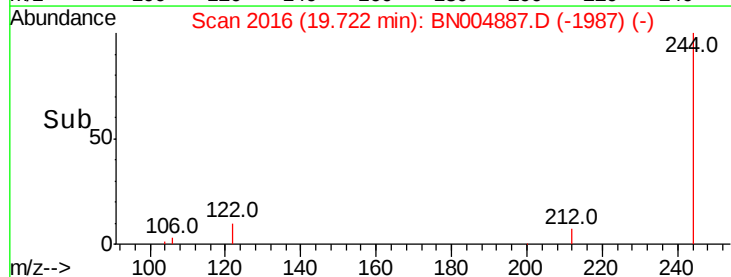
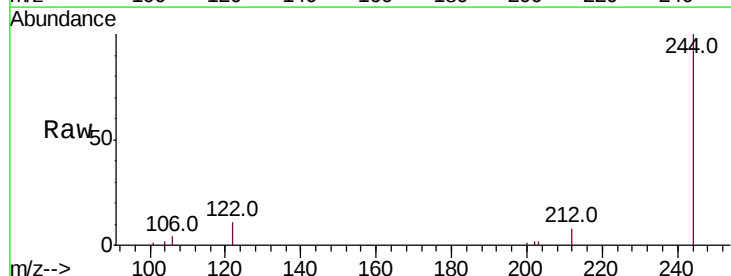
Manual Integrations
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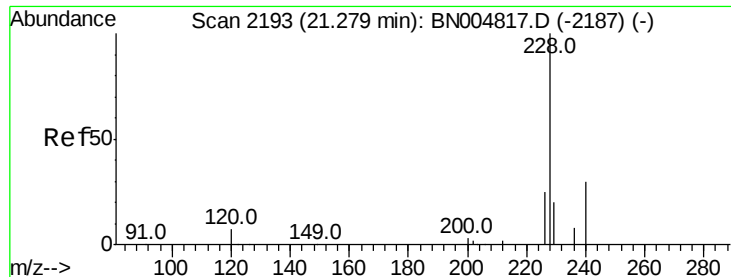
Sohil
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#29
Terphenyl-d14
Concen: 0.262 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.7	5.8	8.6	
122	11.3	7.9	11.9	





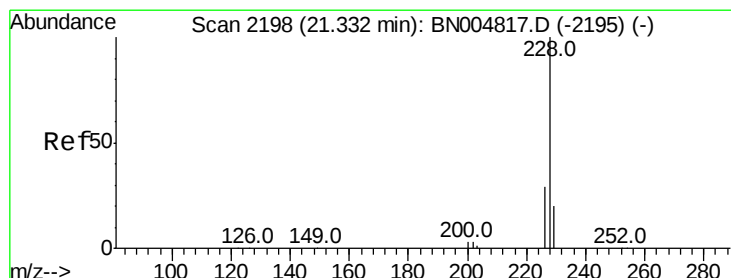
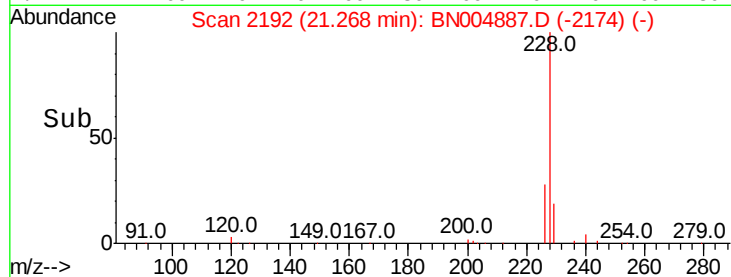
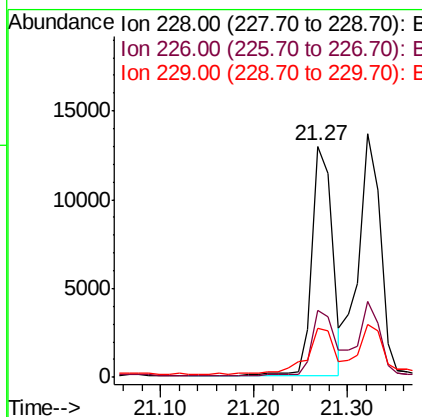
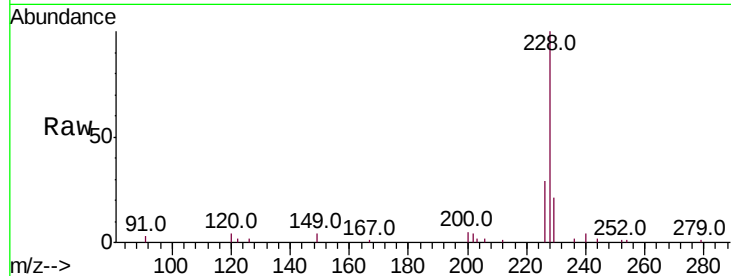
#30
Benzo(a)anthracene
Concen: 0.289 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Instrument :
BNA_N
ClientSampleId :
PST-028-B103-030619

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	20.6	31.0
229	21.1	16.2	24.4

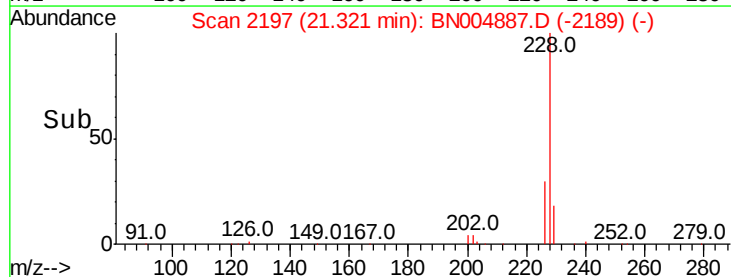
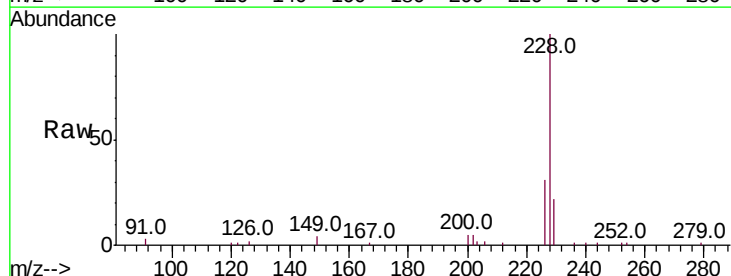
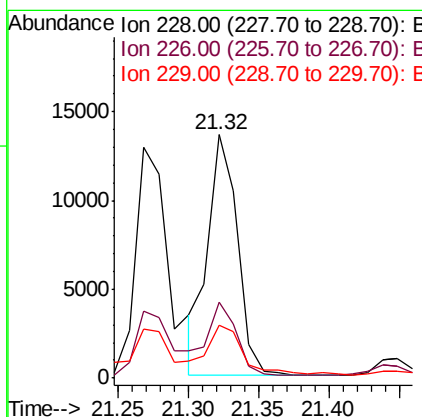
Manual Integrations
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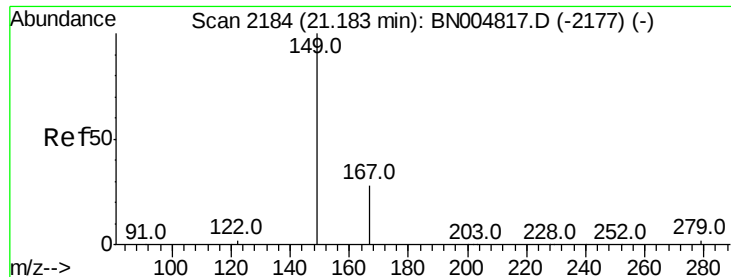
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#31
Chrysene
Concen: 0.281 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.6
229	21.7	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: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

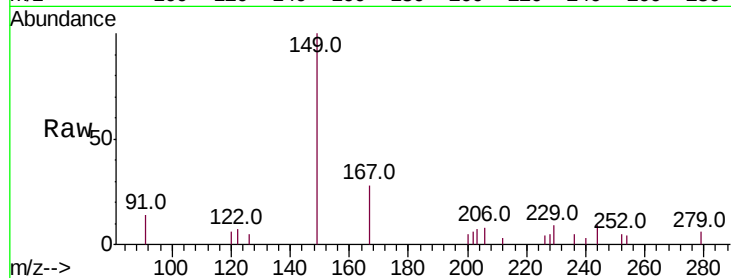
ClientSampleId :

PST-028-B103-030619

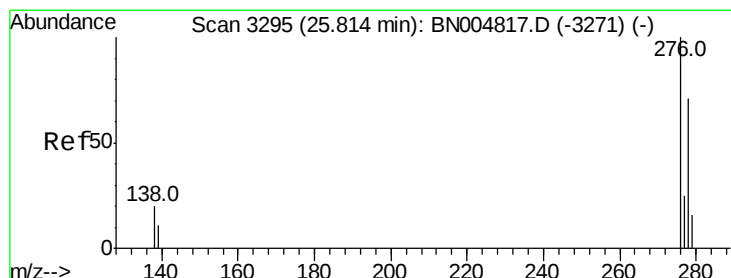
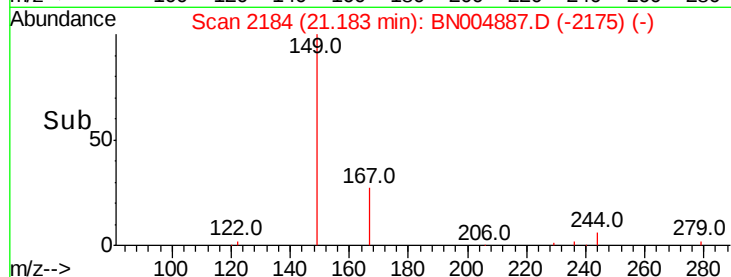
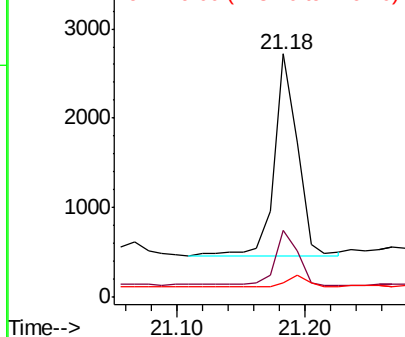
Tot Ion:	149	Resp:	2793
Ion Ratio	Lower	Upper	
149	100		
167	27.1	23.0	34.4
279	5.8	4.6	6.8

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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: 0.142 ng

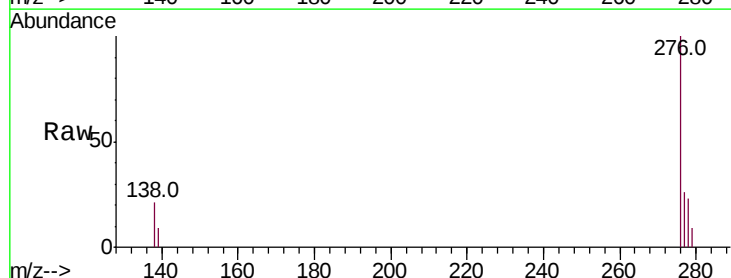
RT: 25.81 min Scan# 3294

Delta R.T. -0.00 min

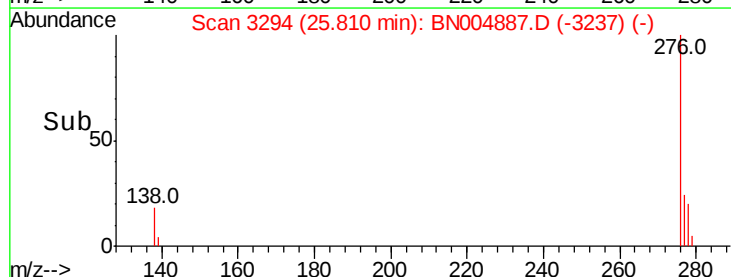
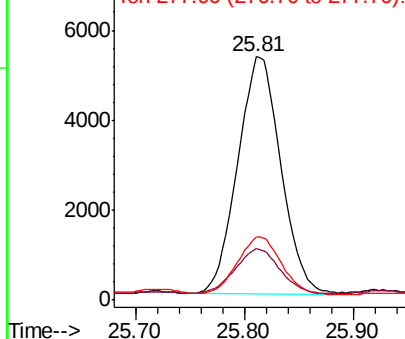
Lab File: BN004887.D

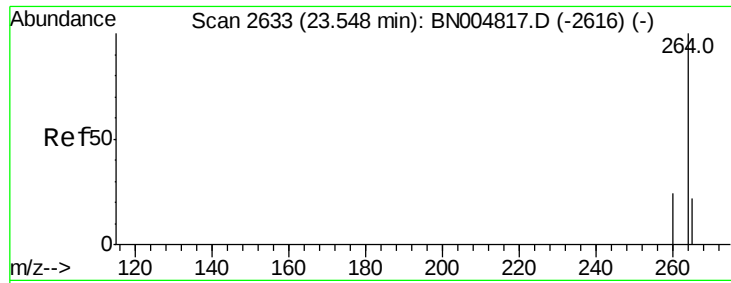
Acq: 22 Mar 2019 13:38

Tgt Ion:	276	Resp:	14505
Ion Ratio	Lower	Upper	
276	100		
138	19.6	16.6	24.8
277	25.0	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





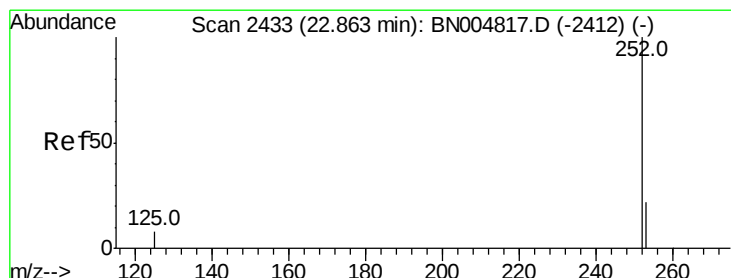
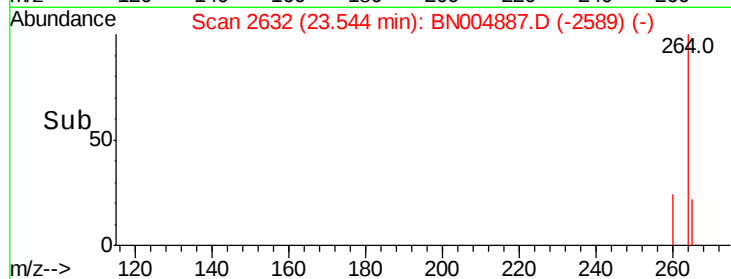
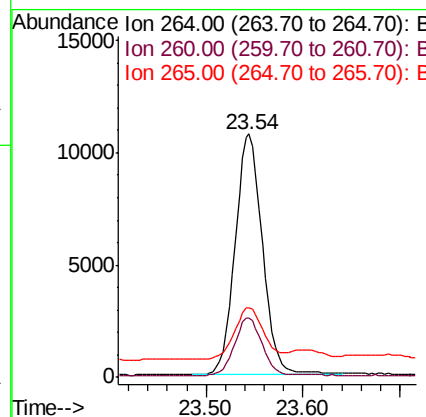
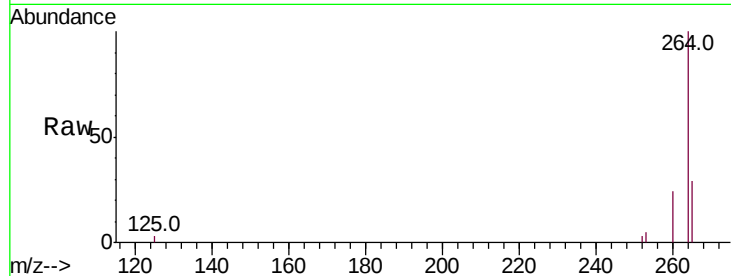
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2632
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Instrument :
BNA_N
ClientSampleId :
PST-028-B103-030619

Tot Ion:	264	Resp:	21178
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	28.8	23.1	34.7

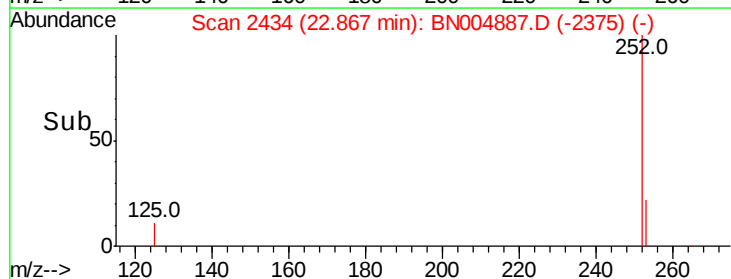
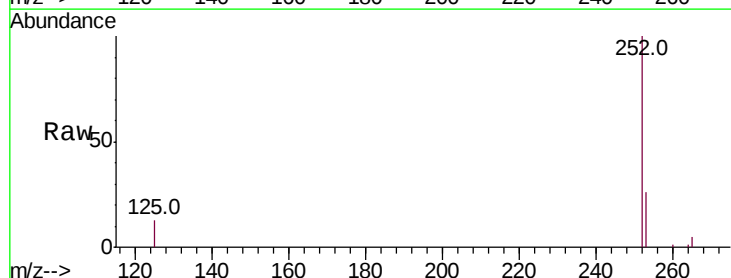
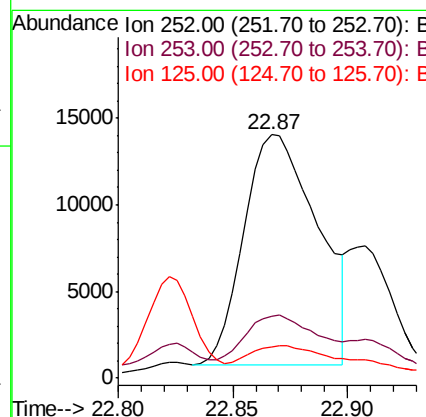
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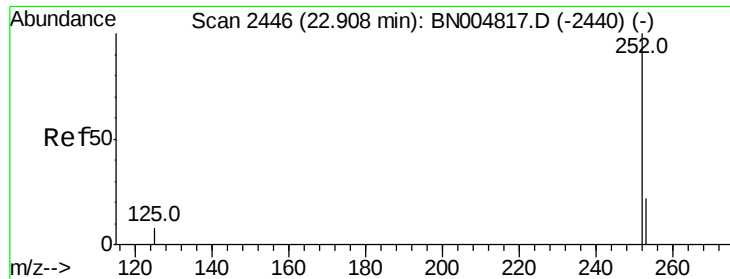
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#35
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion:	252	Resp:	29555
Ion Ratio	Lower	Upper	
252	100		
253	25.5	19.0	28.4
125	12.9	7.4	11.2#





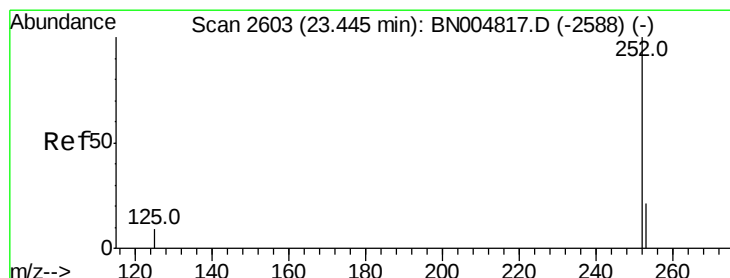
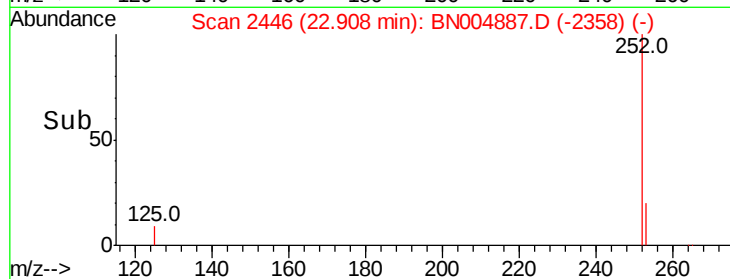
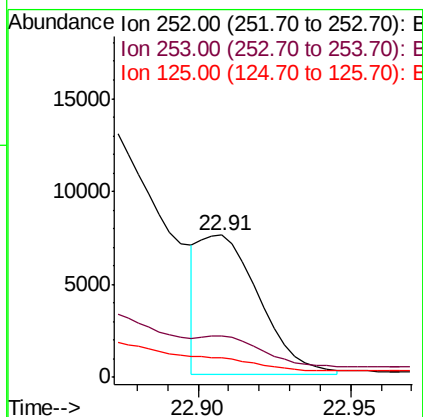
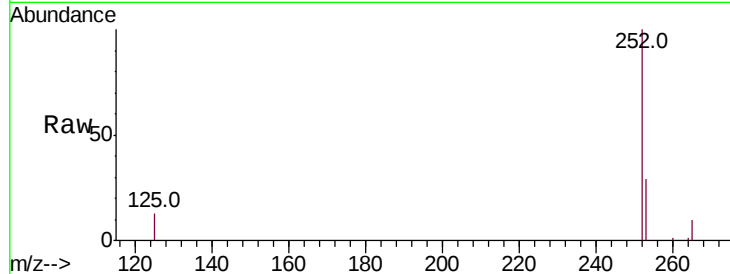
#36
Benzo(k)fluoranthene
Concen: 0.136 ng m
RT: 22.91 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Instrument :
BNA_N
ClientSampleId :
PST-028-B103-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	19.3	28.9#
125	13.4	7.4	11.0#

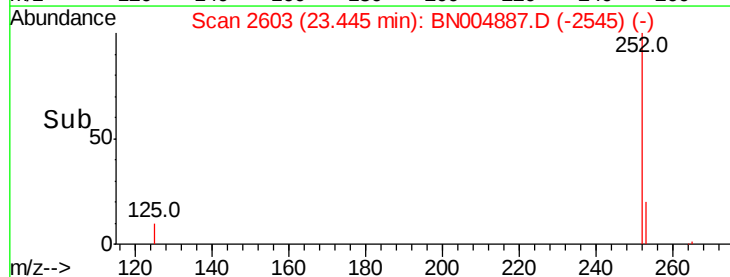
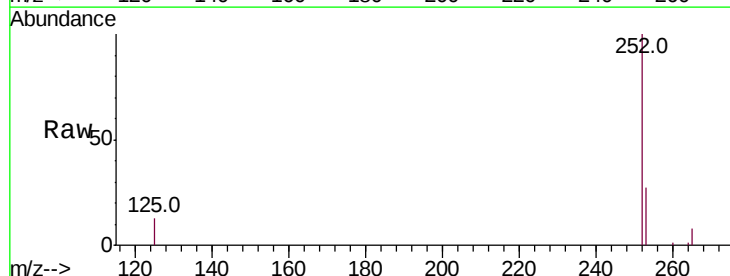
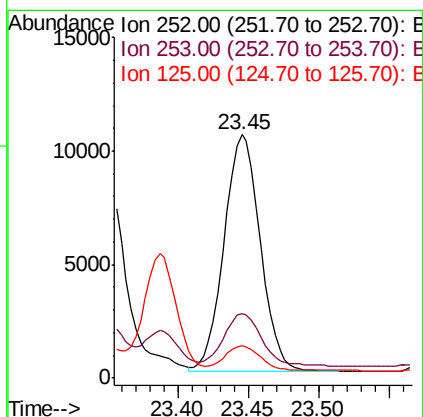
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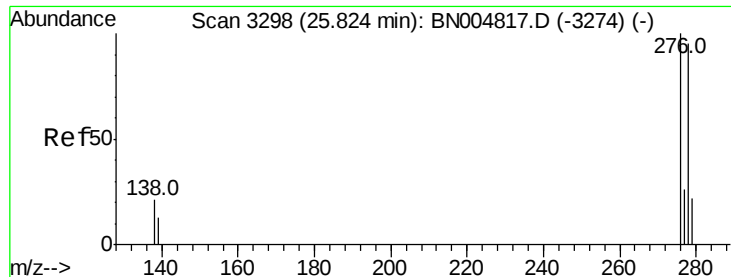
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#37
Benzo(a)pyrene
Concen: 0.268 ng
RT: 23.45 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.7	29.5
125	13.4	8.3	12.5#





#38

Dibenzo(a,h)anthracene

Concen: 0.048 ng

RT: 25.82 min Scan# 3297

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

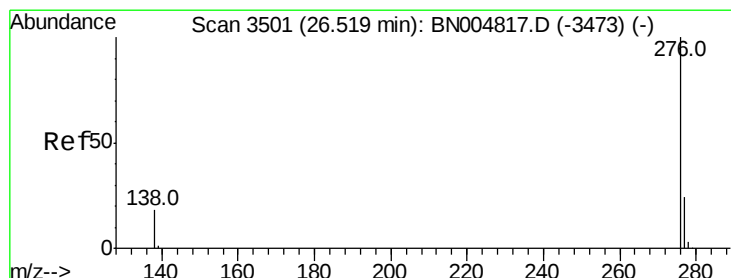
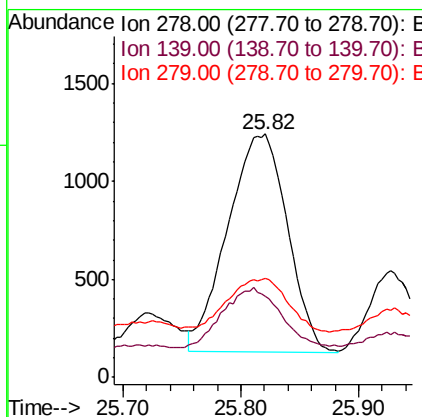
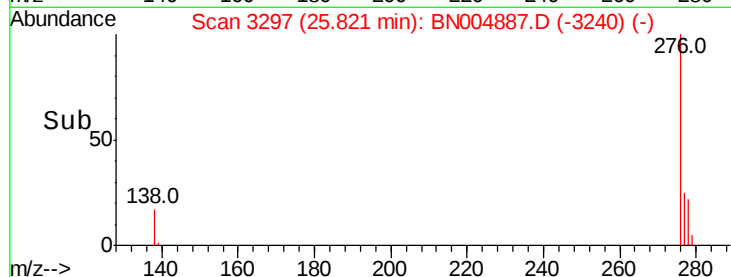
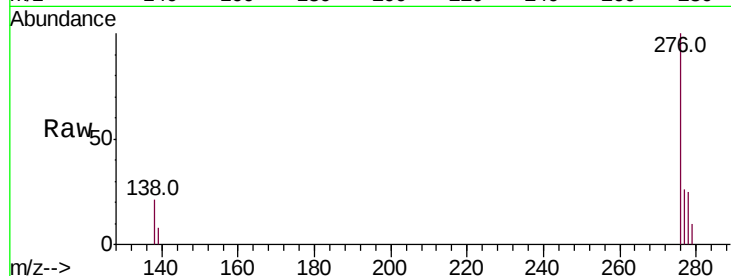
ClientSampleId :

PST-028-B103-030619

Tot Ion:	278	Resp:	3911
Ion Ratio	Lower	Upper	
278	100		
139	33.1	11.7	17.5#
279	40.5	19.9	29.9#

Manual Integrations
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#39

Benzo(g,h,i)perylene

Concen: 0.172 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Tgt Ion:	276	Resp:	14294
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.7	29.5
138	20.8	14.6	22.0

