

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004905.D
 Acq On : 23 Mar 2019 03:16
 Operator : JU/SJ
 Sample : K2013-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B123-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:56:45 AM

Quant Time: Mar 23 04:44:49 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	4117	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	17886	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	10305	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	24783	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	31078	0.40	ng	-0.01
34) Perylene-d12	23.53	264	30889	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3688	0.33	ng	0.00
5) Phenol-d6	6.86	99	5155	0.37	ng	-0.02
8) Nitrobenzene-d5	8.86	82	3446	0.29	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	7592	0.24	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	2670	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	12259	0.29	ng	-0.01
25) Fluoranthene-d10	19.12	212	18912	0.23	ng	-0.02
29) Terphenyl-d14	19.72	244	18524	0.29	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.53	128	3654	0.073	ng	96
12) 2-Methylnaphthalene	12.14	142	3667	0.098	ng	98
16) Acenaphthylene	14.05	152	13733	0.259	ng	98
17) Acenaphthene	14.39	154	1384	0.040	ng	90
18) Fluorene	15.38	166	8314	0.171	ng	# 93
23) Phenanthrene	17.12	178	116224	1.452	ng	99
24) Anthracene	17.22	178	16205	0.227	ng	99
26) Fluoranthene	19.15	202	120178	1.169	ng	98
28) Pyrene	19.51	202	153969	1.625	ng	97
30) Benzo(a)anthracene	21.26	228	84322	0.827	ng	95
31) Chrysene	21.31	228	71424	0.665	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	10616	0.261	ng	100
33) Indeno(1,2,3-cd)pyrene	25.79	276	35115	0.226	ng	99
35) Benzo(b)fluoranthene	22.85	252	78851	0.706	ng	# 97
36) Benzo(k)fluoranthene	22.89	252	28821m	0.262	ng	
37) Benzo(a)pyrene	23.43	252	63526	0.620	ng	99
38) Dibenzo(a,h)anthracene	25.79	278	10425	0.088	ng	# 74
39) Benzo(a,h,i)perylene	26.49	276	37264	0.308	ng	97

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

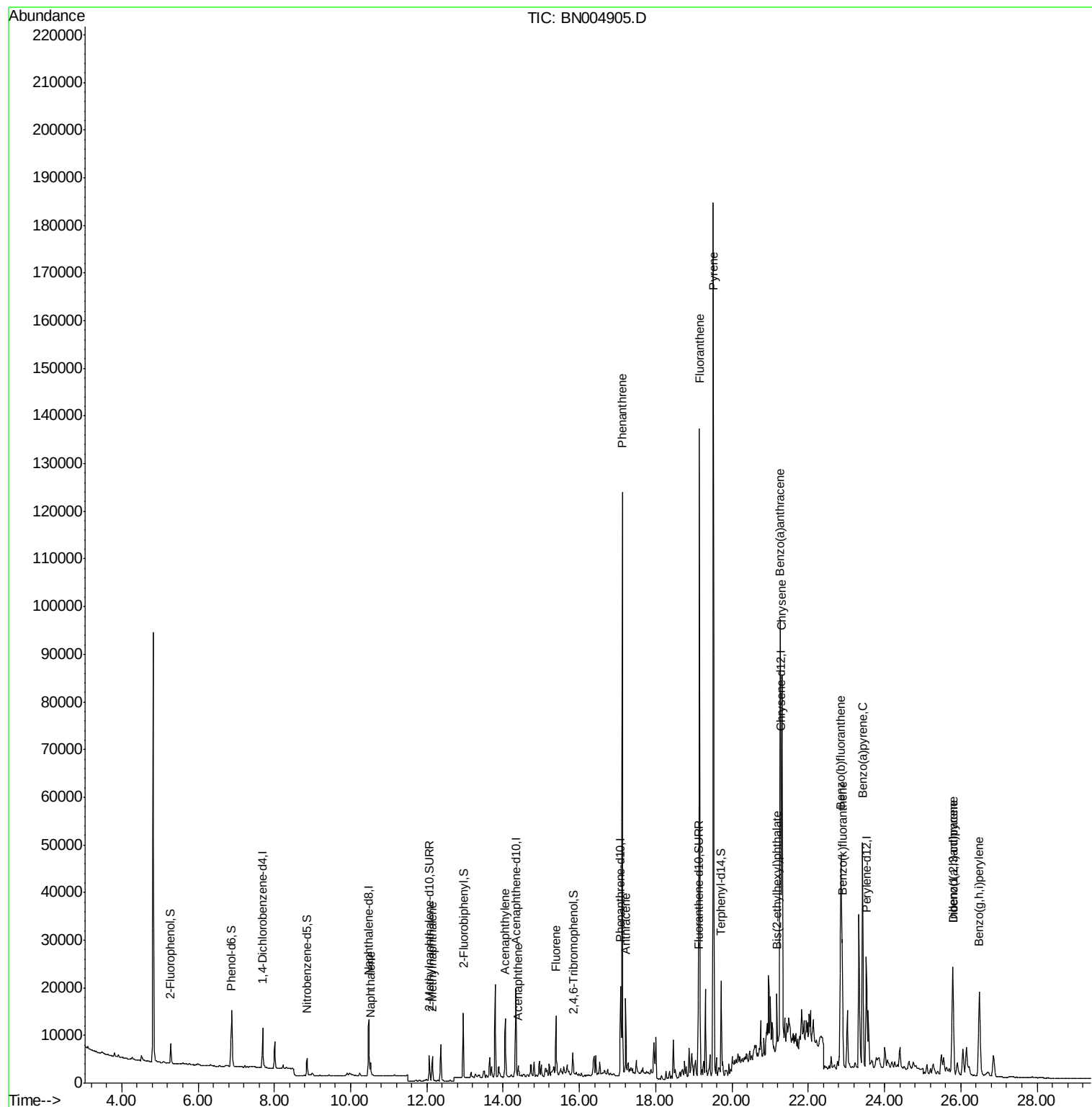
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004905.D
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Sample : K2013-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

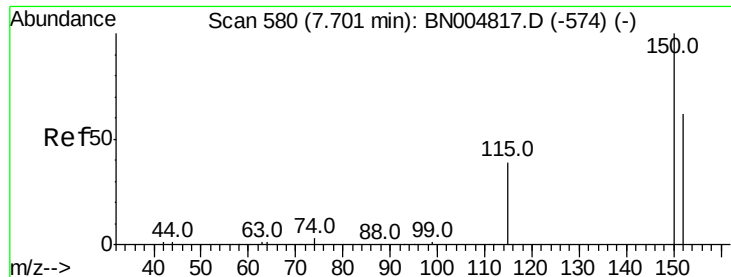
Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Manual Integrations
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Sohil
3/25/2019 8:56:45 AM

Quant Time: Mar 23 04:44:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

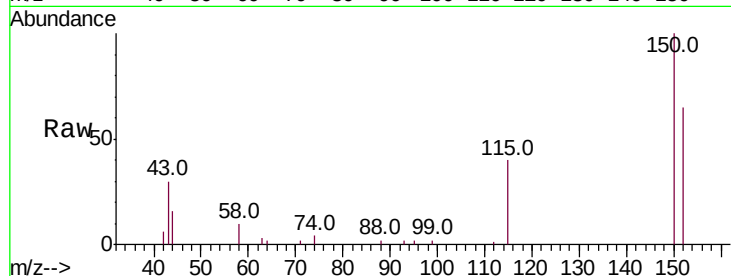
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.4
115	61.4	52.6	79.0

Manual Integrations
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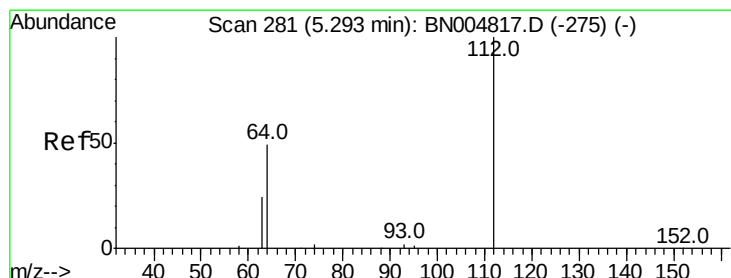
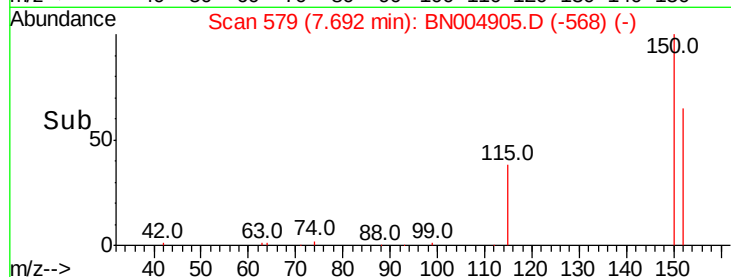
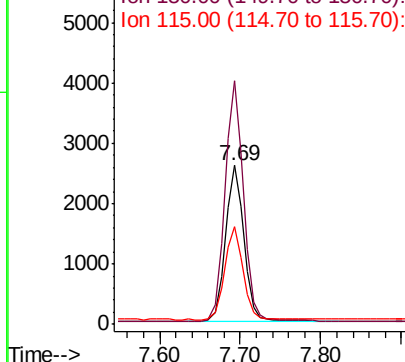


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

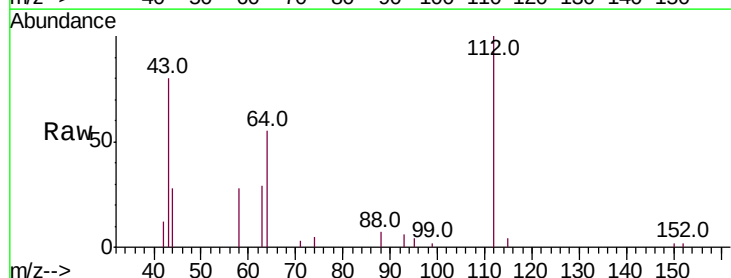
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.330 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	40.0	60.0
63	25.9	20.2	30.2

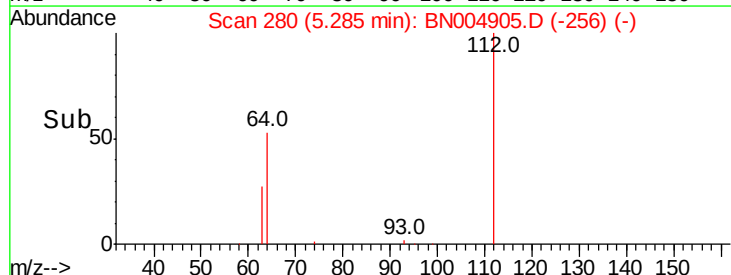
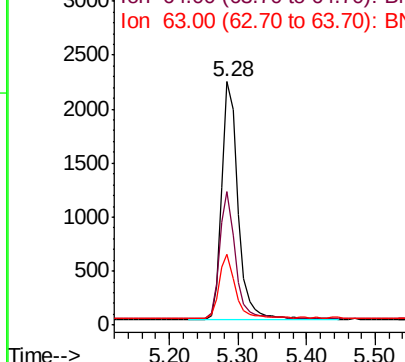


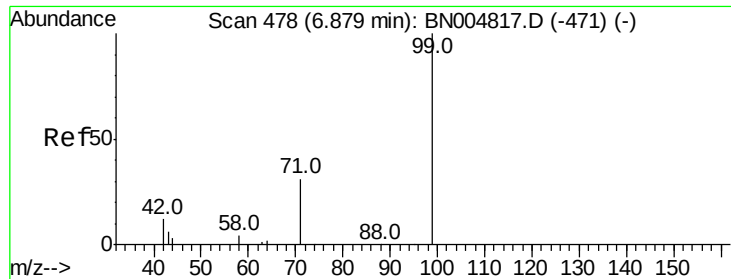
Abundance

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: 0.370 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Instrument :

BNA_N

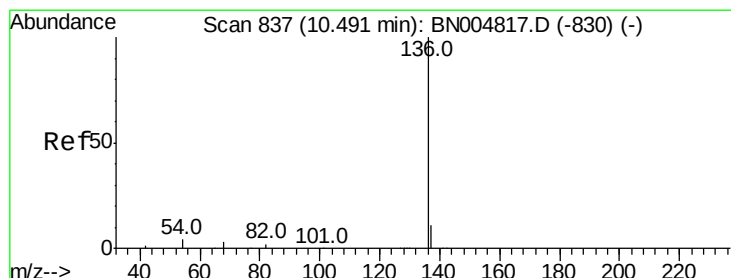
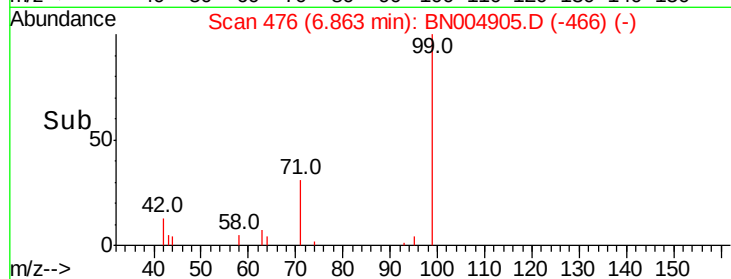
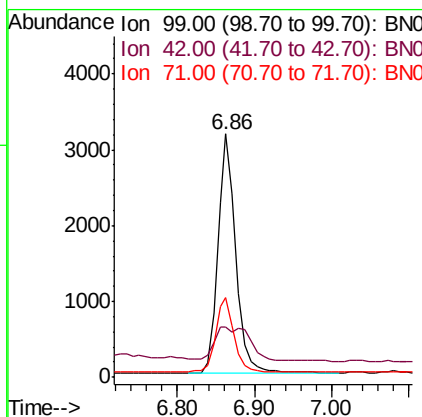
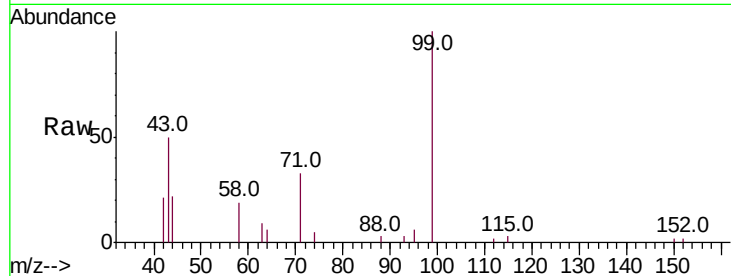
ClientSampleId :

PST-026-B123-031819

Tot Ion:	99	Resp:	5155
Ion Ratio	Lower	Upper	
99	100		
42	26.5	12.7	19.1#
71	32.0	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

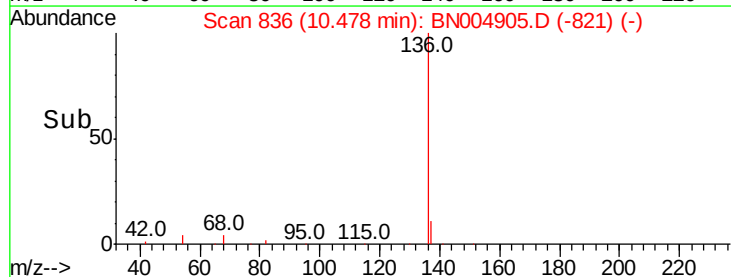
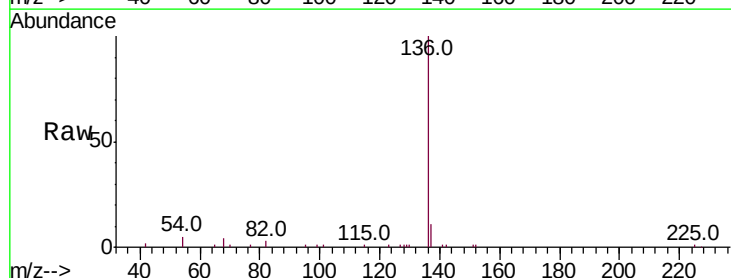
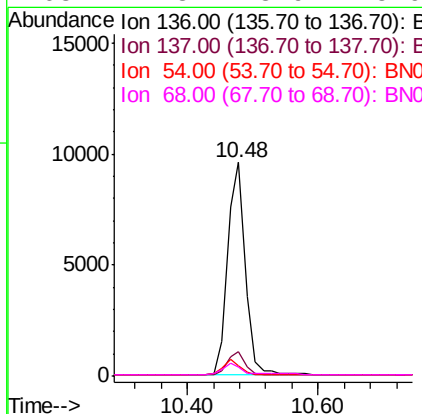
RT: 10.48 min Scan# 836

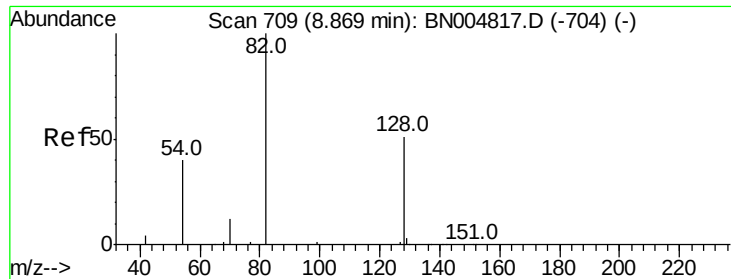
Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Tgt Ion:	136	Resp:	17886
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.6	14.4
54	5.0	4.2	6.2
68	4.3	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.291 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Instrument :

BNA_N

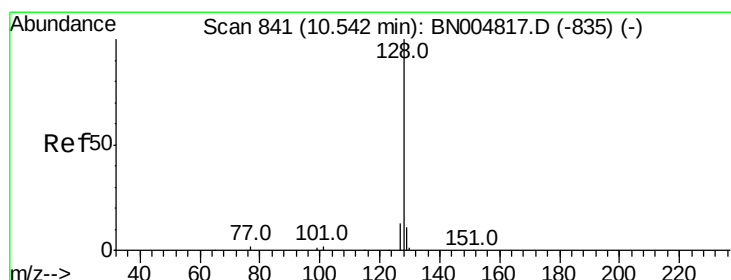
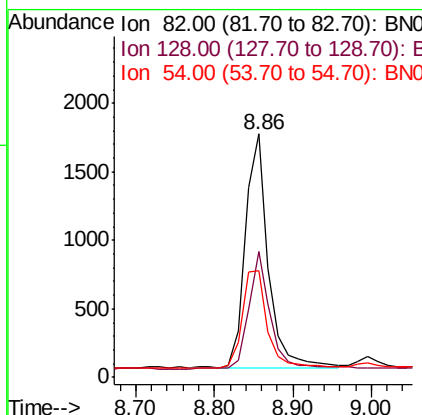
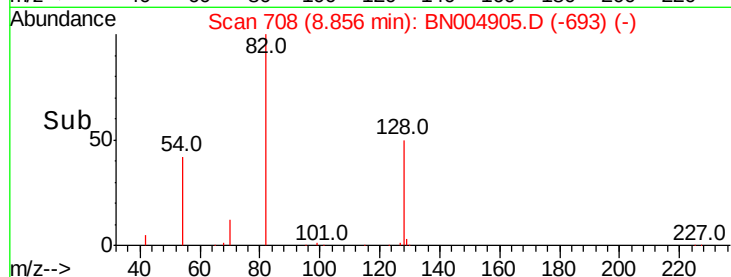
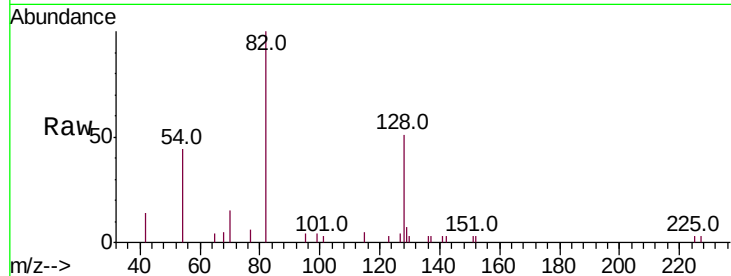
ClientSampleId :

PST-026-B123-031819

Tot Ion:	82	Resp:	3446
Ion Ratio	Lower	Upper	
82	100		
128	51.5	43.0	64.6
54	44.0	35.3	52.9

Manual Integrations
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#9

Naphthalene

Concen: 0.073 ng

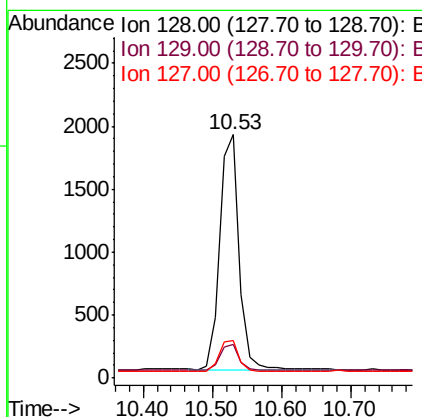
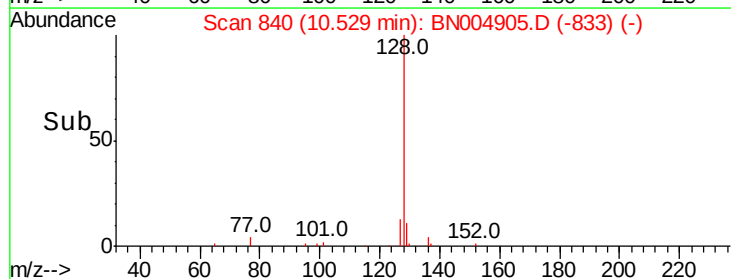
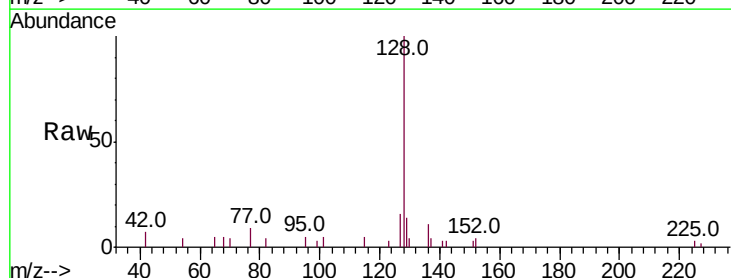
RT: 10.53 min Scan# 840

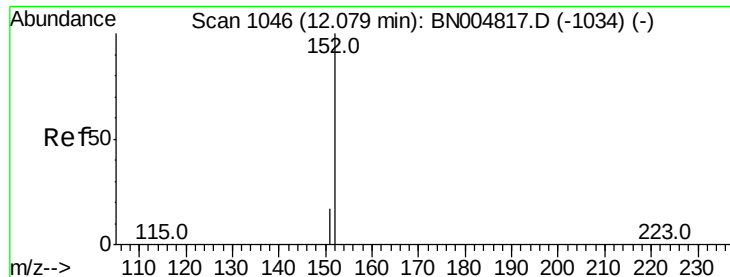
Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Tgt Ion:	128	Resp:	3654
Ion Ratio	Lower	Upper	
128	100		
129	13.9	9.9	14.9
127	15.7	11.3	16.9





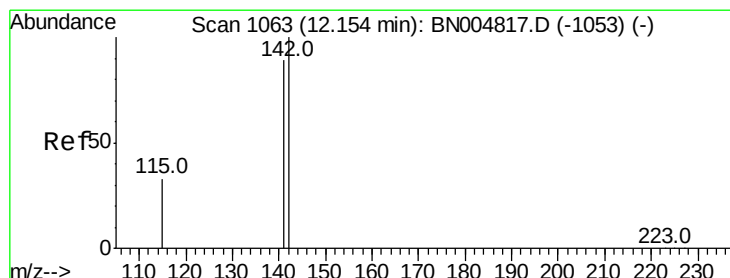
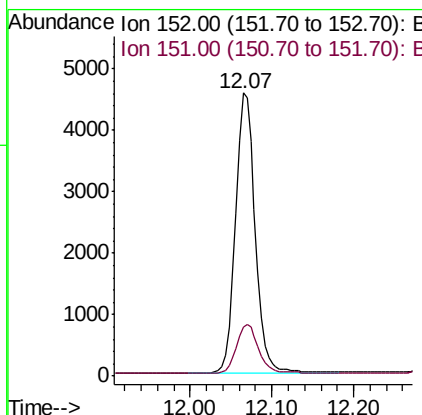
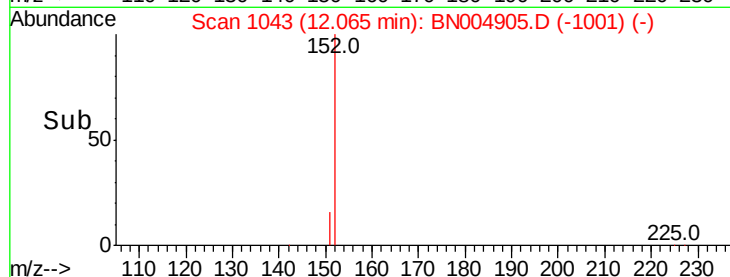
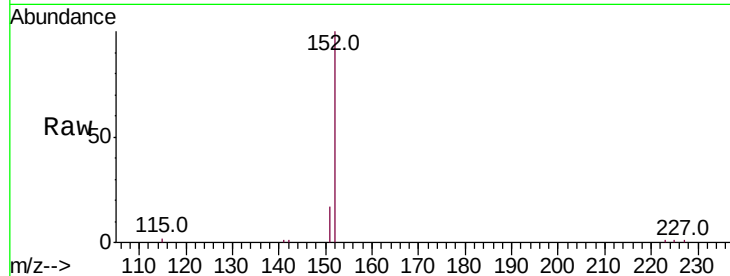
#11
 2-Methylnaphthalene-d10
 Concen: 0.243 ng
 RT: 12.07 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BN004905.D
 Acq: 23 Mar 2019 03:16

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B123-031819

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

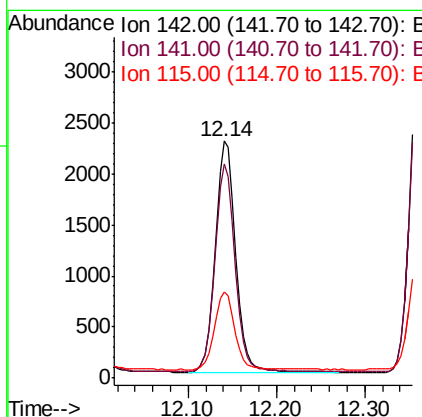
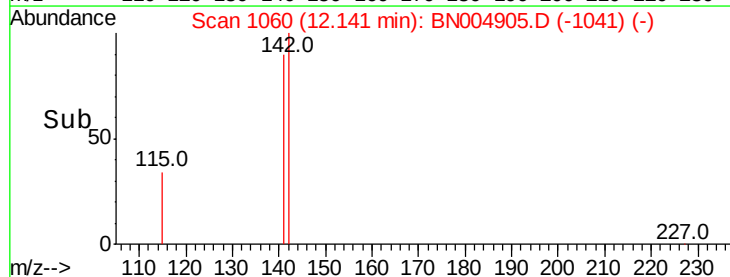
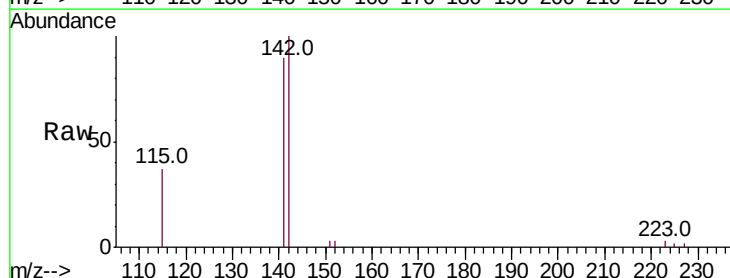
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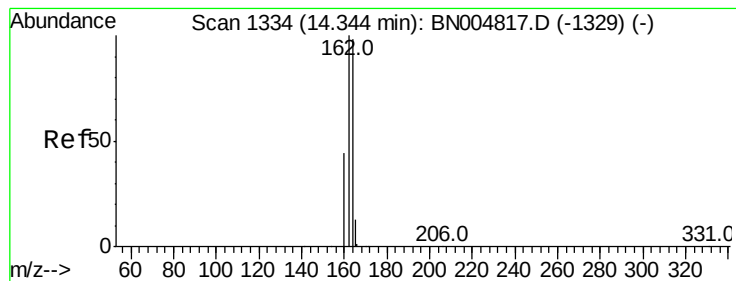
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#12
 2-Methylnaphthalene
 Concen: 0.098 ng
 RT: 12.14 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BN004905.D
 Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.4	107.2
115	36.6	27.5	41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Instrument :

BNA_N

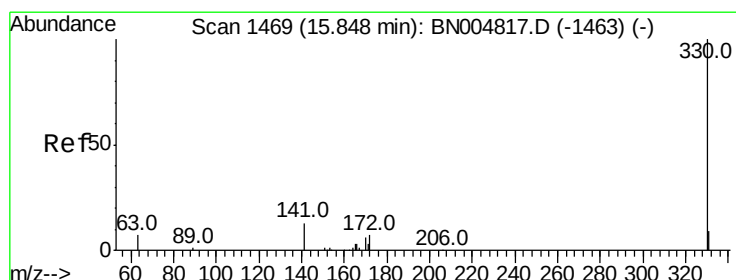
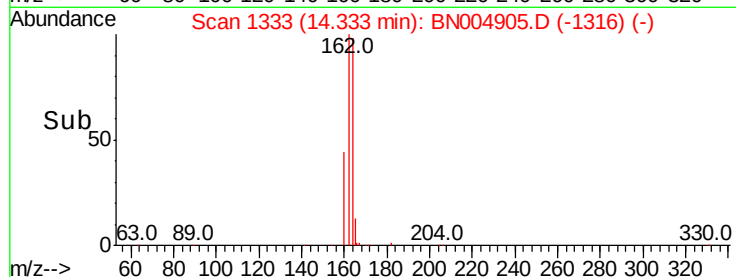
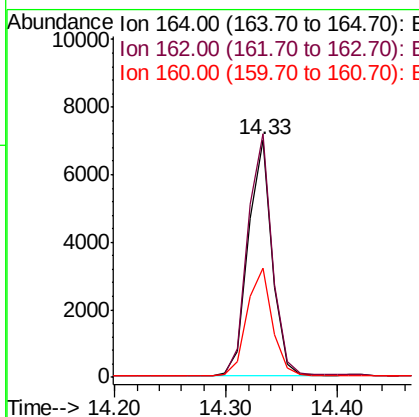
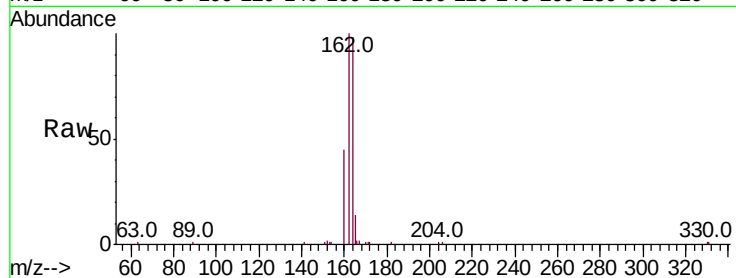
ClientSampleId :

PST-026-B123-031819

Tot Ion:	164	Resp:	10305
Ion Ratio	Lower	Upper	
164	100		
162	102.4	81.9	122.9
160	45.7	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.375 ng

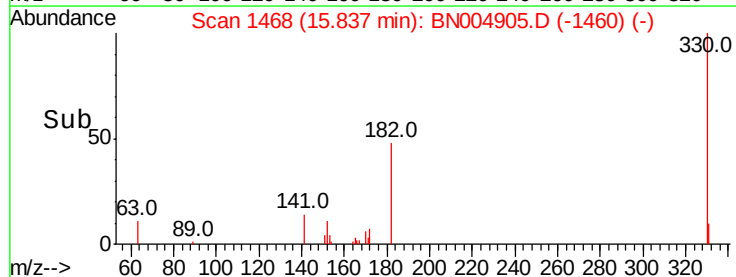
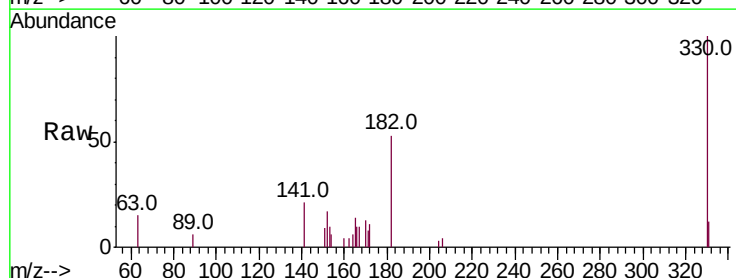
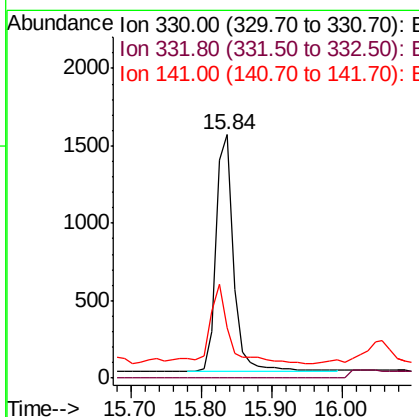
RT: 15.84 min Scan# 1468

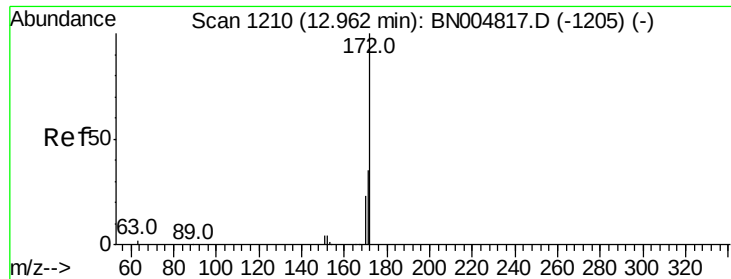
Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Tgt Ion:	330	Resp:	2670
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	37.4	20.9	31.3#





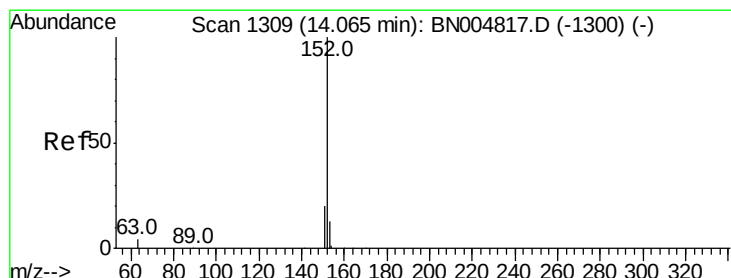
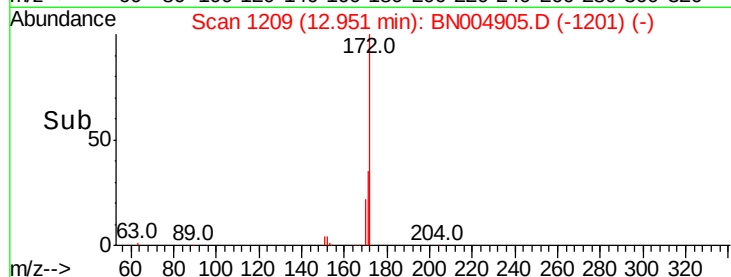
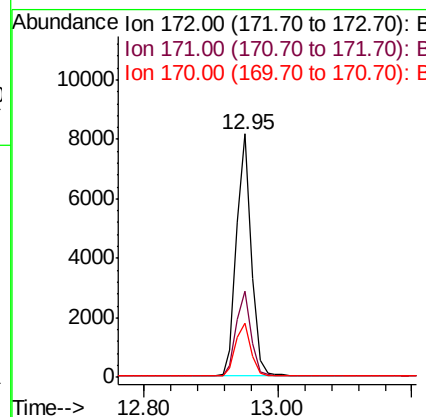
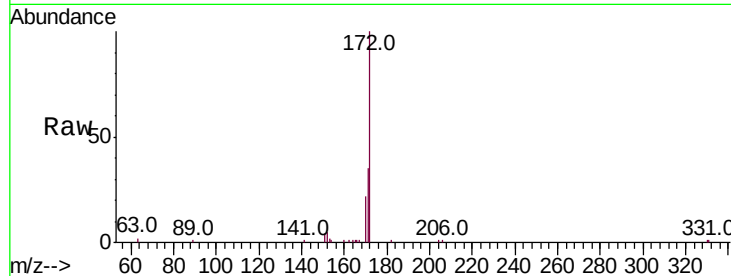
#15
2-Fluorobiphenyl
Concen: 0.288 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	22.4	18.7	28.1

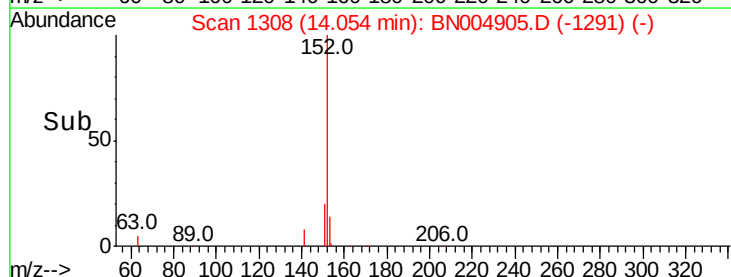
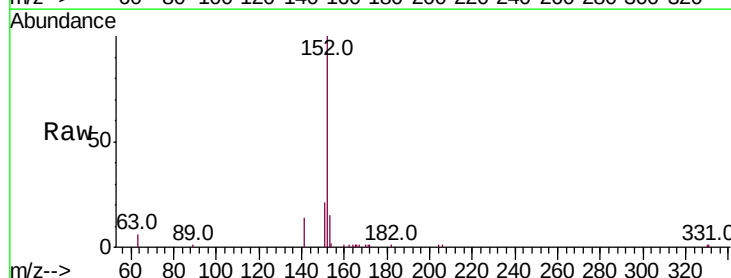
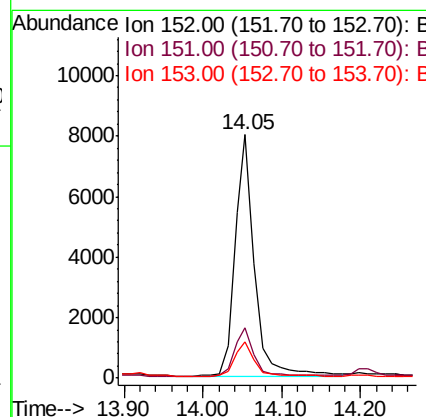
Manual Integrations
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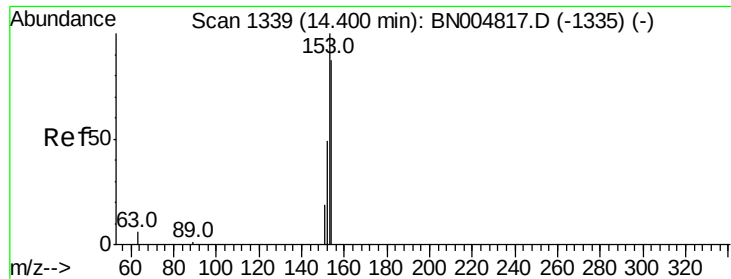
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#16
Acenaphthylene
Concen: 0.259 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.6	10.5	15.7





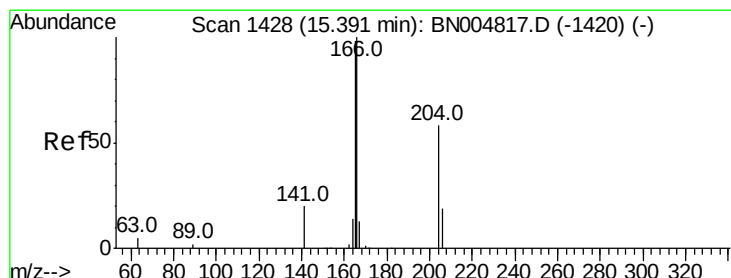
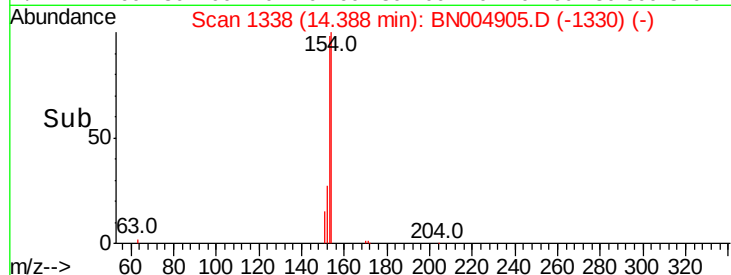
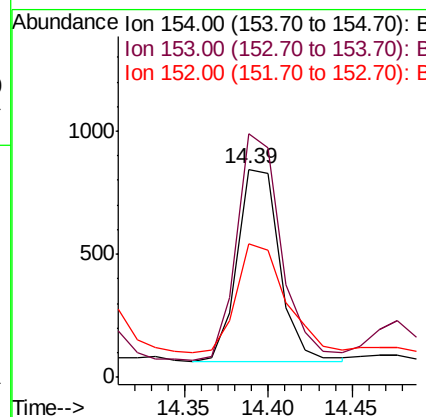
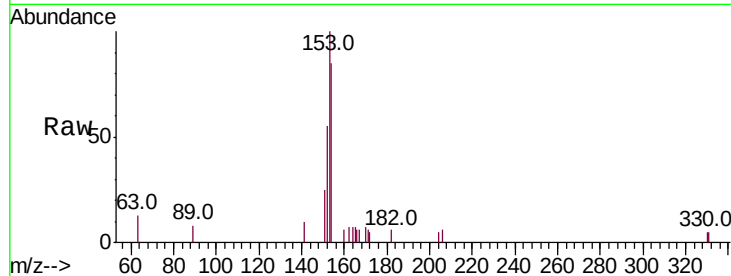
#17
Acenaphthene
Concen: 0.040 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.5	91.4	137.2
152	65.7	44.2	66.2

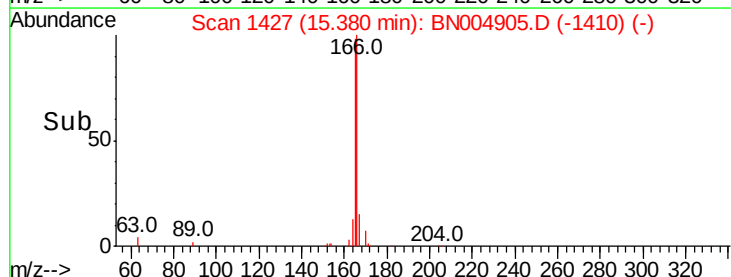
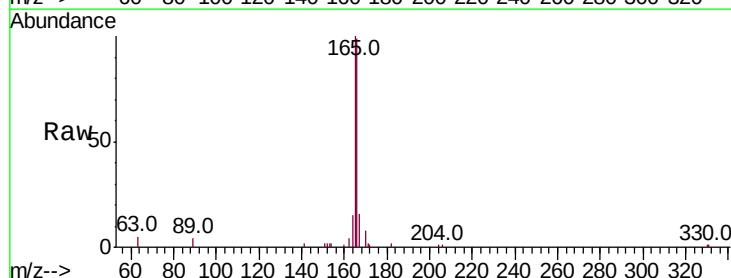
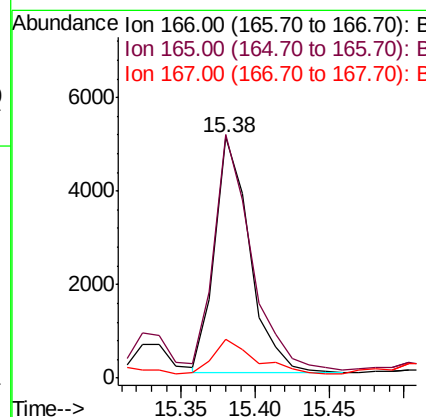
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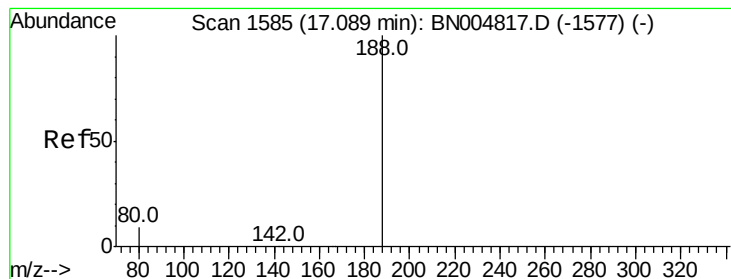
Sohil
3/25/2019 8:56:45 AM



#18
Fluorene
Concen: 0.171 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.5	78.2	117.4
167	17.2	11.0	16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Instrument :

BNA_N

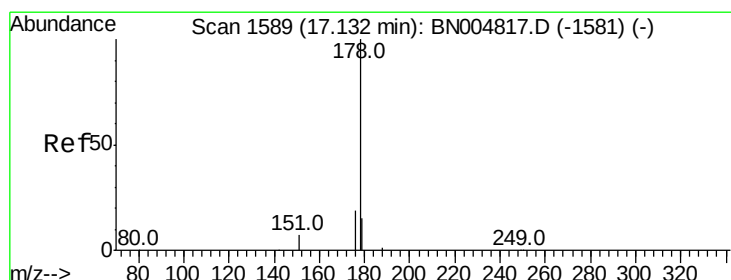
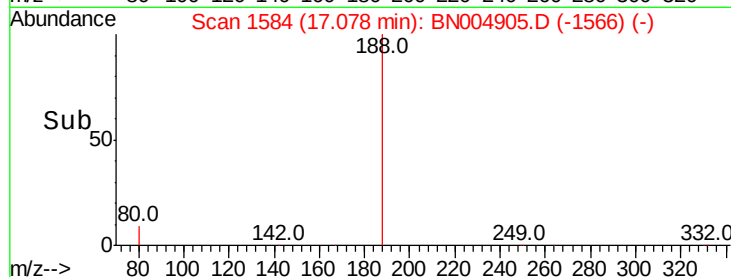
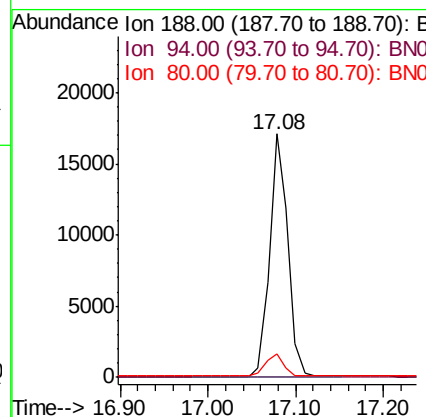
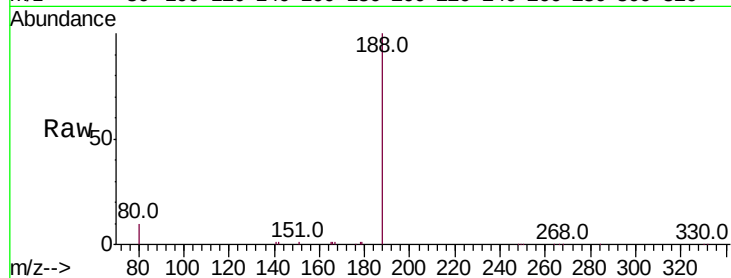
ClientSampleId :

PST-026-B123-031819

Tot Ion:	188	Resp:	24783
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.6	7.4	11.2

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#23

Phenanthrene

Concen: 1.452 ng

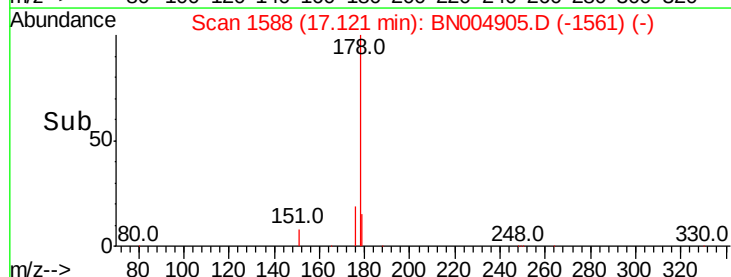
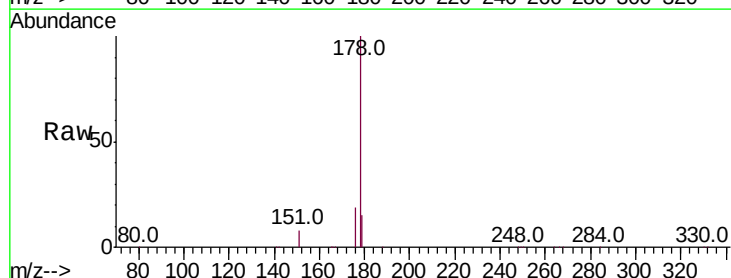
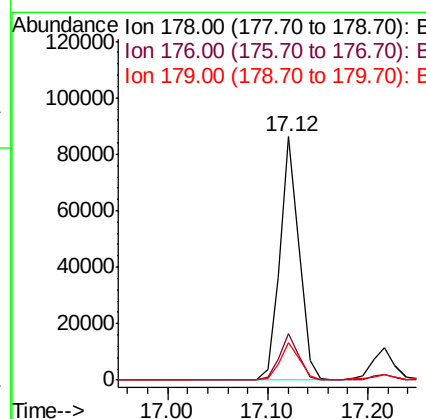
RT: 17.12 min Scan# 1588

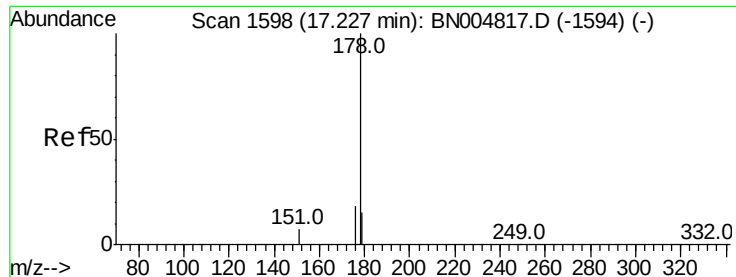
Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Tgt Ion:	178	Resp:	116224
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.9	22.3
179	15.5	12.1	18.1





#24

Anthracene

Concen: 0.227 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Instrument :

BNA_N

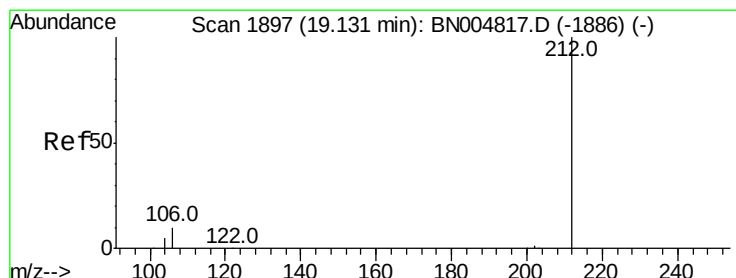
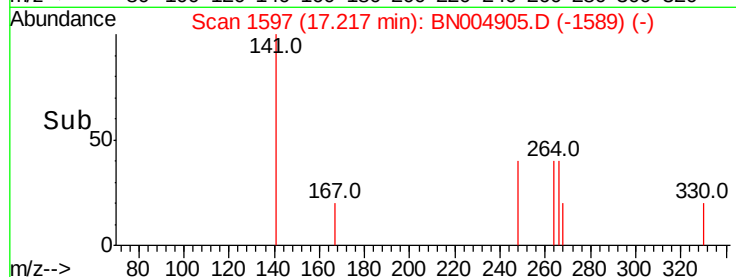
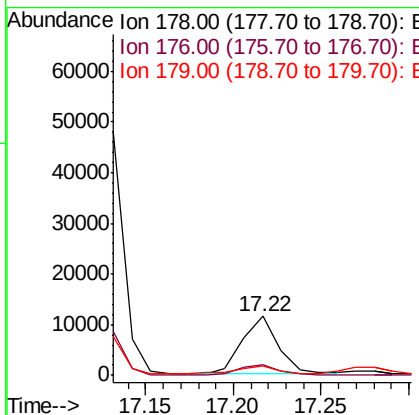
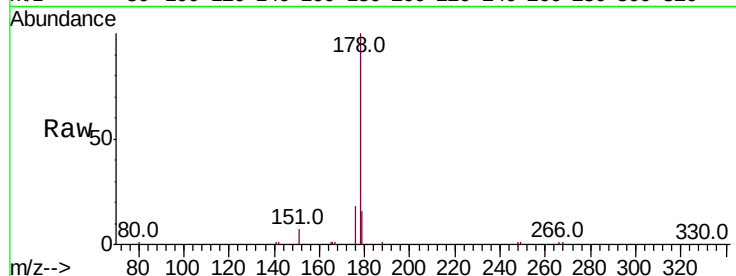
ClientSampleId :

PST-026-B123-031819

Tot Ion:	178	Resp:	16205
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.5	21.7
179	16.2	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.228 ng

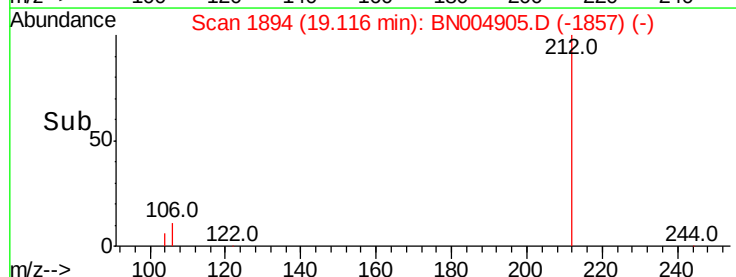
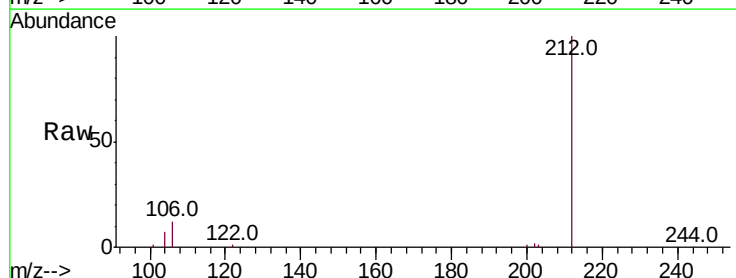
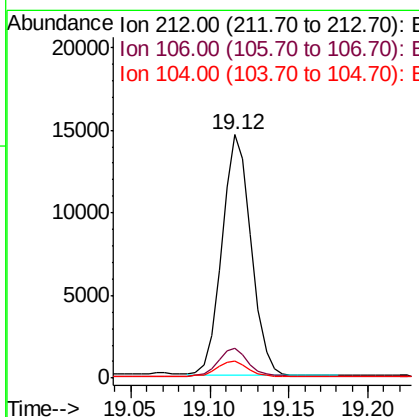
RT: 19.12 min Scan# 1894

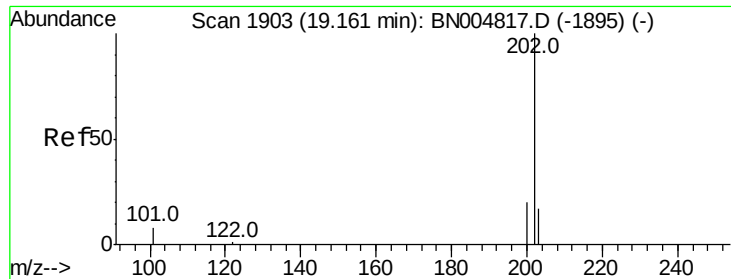
Delta R.T. -0.02 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Tgt Ion:	212	Resp:	18912
Ion Ratio	Lower	Upper	
212	100		
106	11.8	8.6	13.0
104	6.6	4.7	7.1





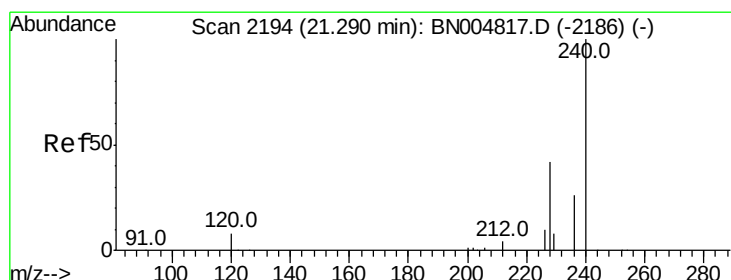
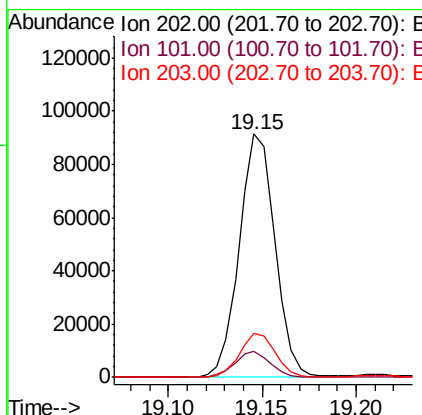
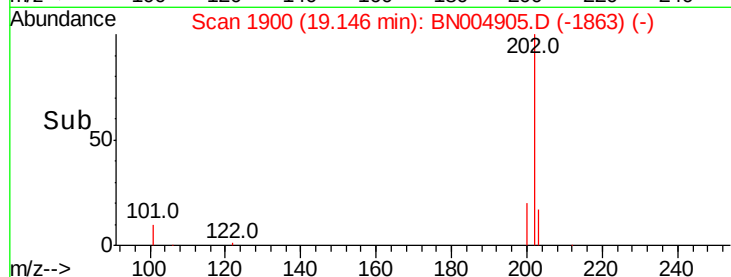
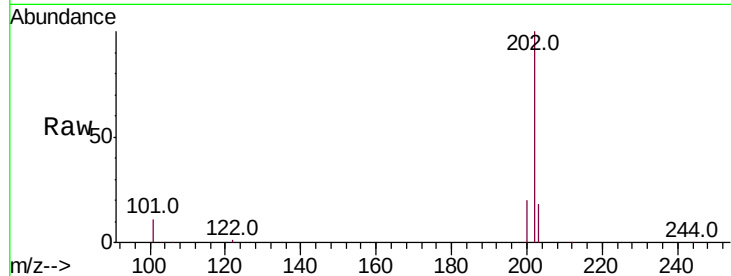
#26
Fluoranthene
Concen: 1.169 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.5	11.3
203	17.8	13.8	20.6

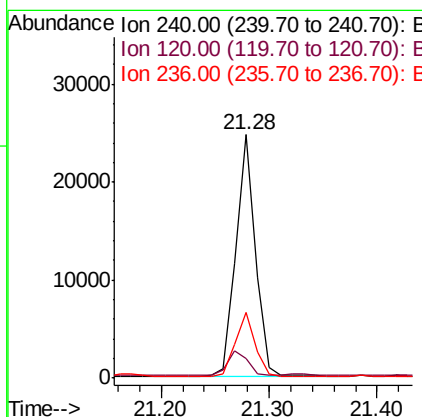
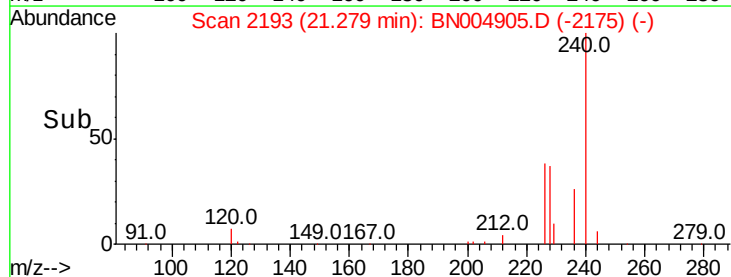
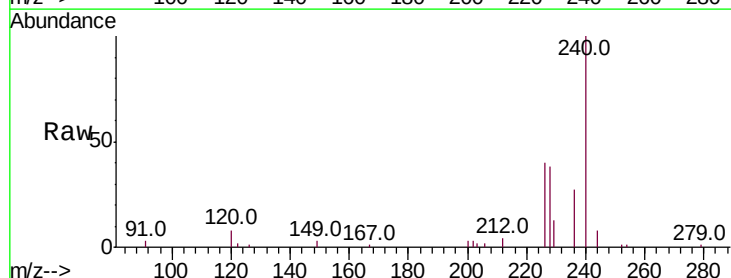
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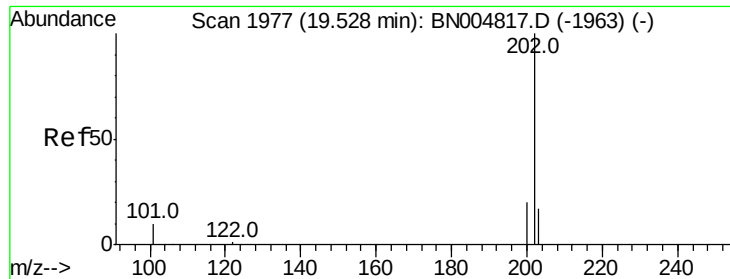
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.2	7.2	10.8
236	26.8	20.9	31.3





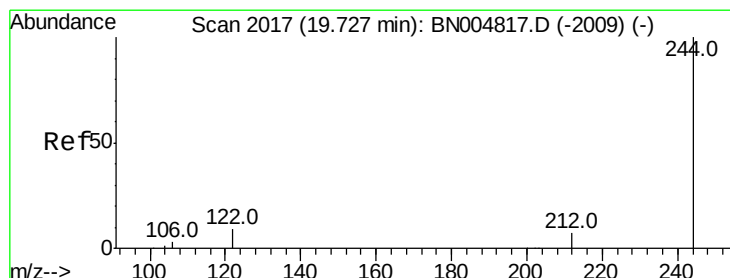
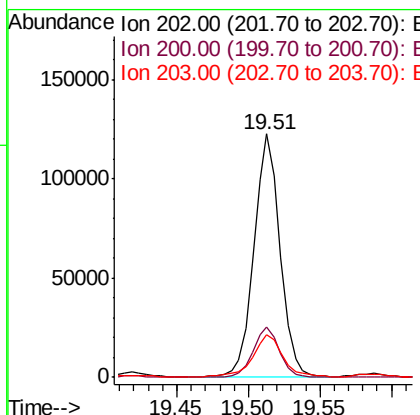
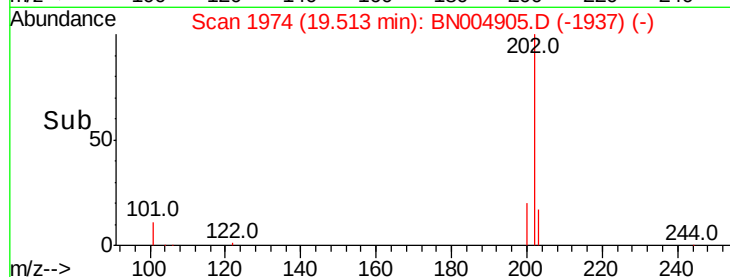
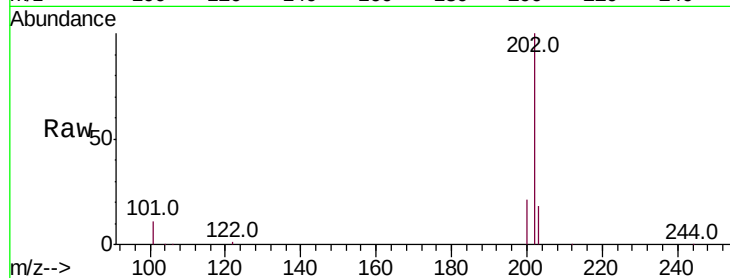
#28
Pvrene
Concen: 1.625 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	16.3	24.5	
203	20.0	14.0	21.0	

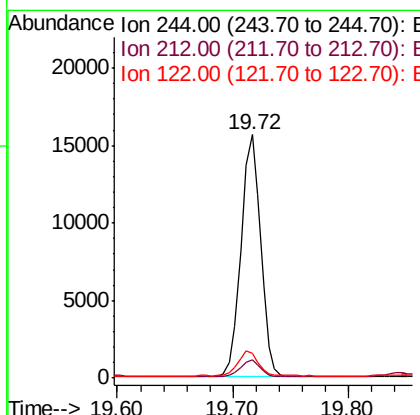
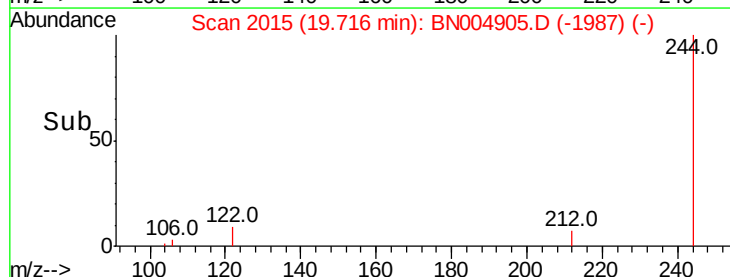
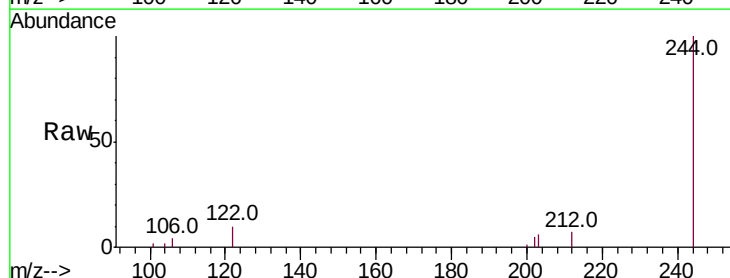
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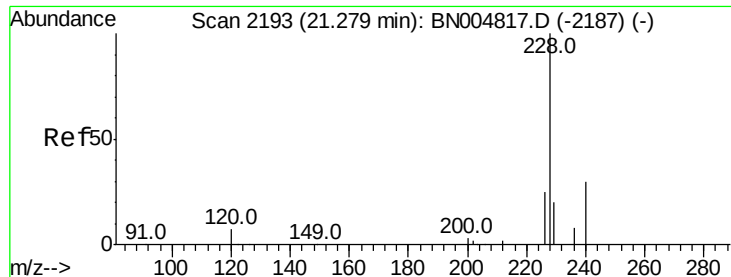
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#29
Terphenyl-d14
Concen: 0.291 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.4	5.8	8.6	
122	10.3	7.9	11.9	





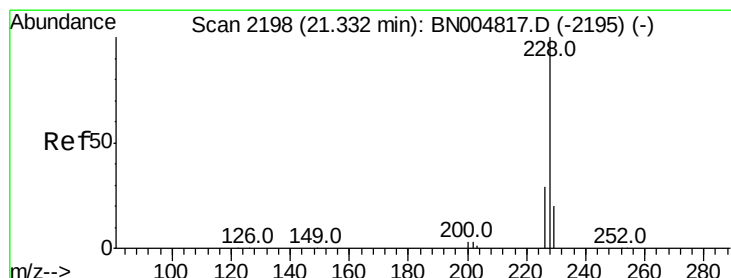
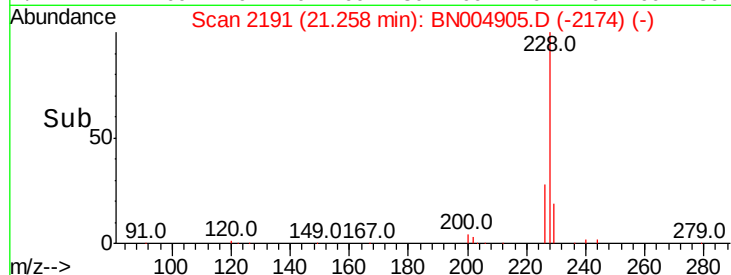
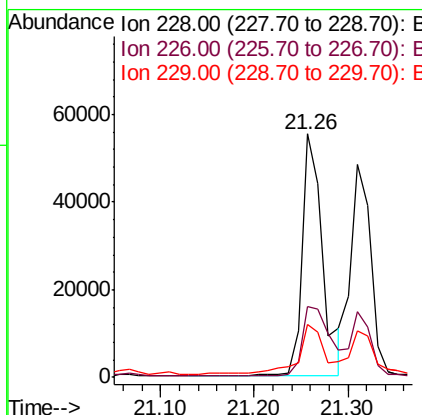
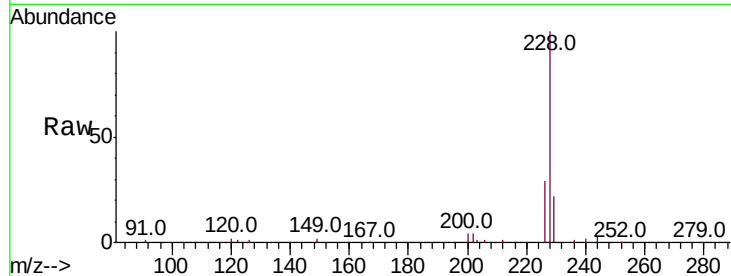
#30
Benzo(a)anthracene
Concen: 0.827 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	20.6	31.0
229	21.6	16.2	24.4

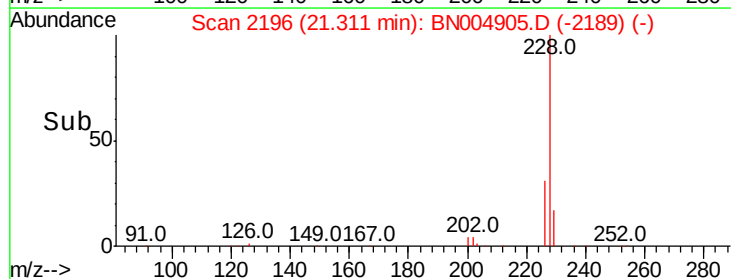
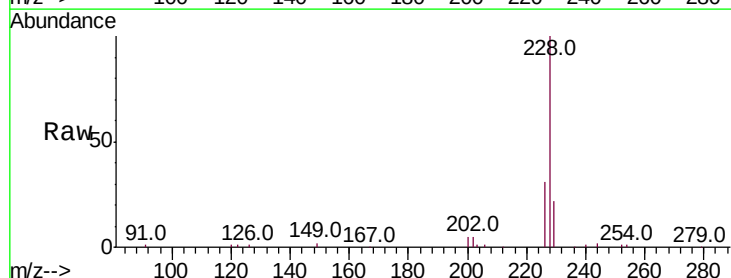
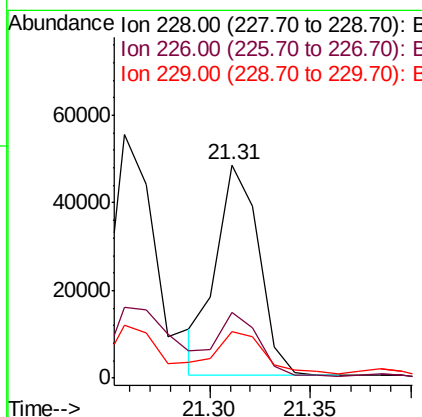
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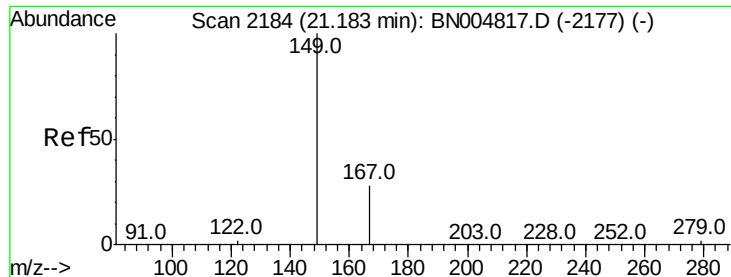
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#31
Chrysene
Concen: 0.665 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.0	34.6
229	21.8	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.261 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Instrument :

BNA_N

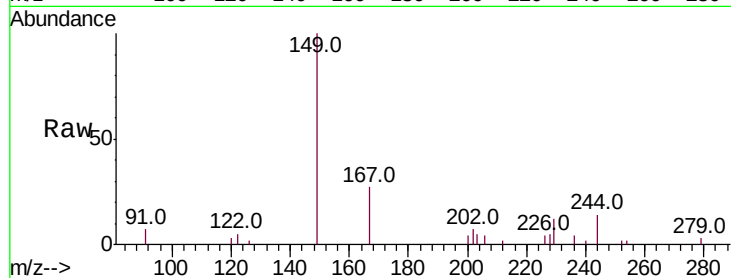
ClientSampleId :

PST-026-B123-031819

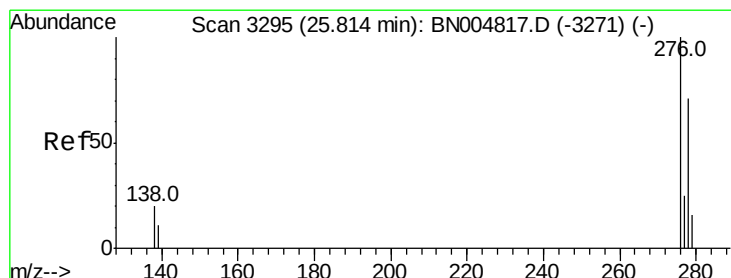
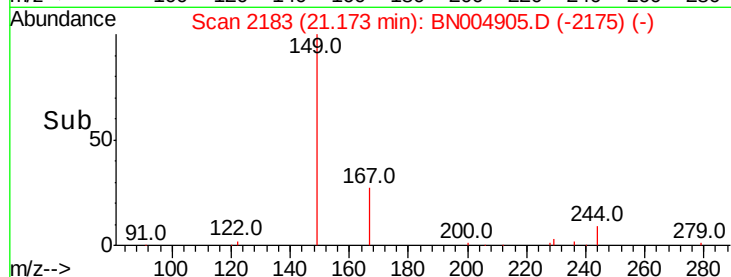
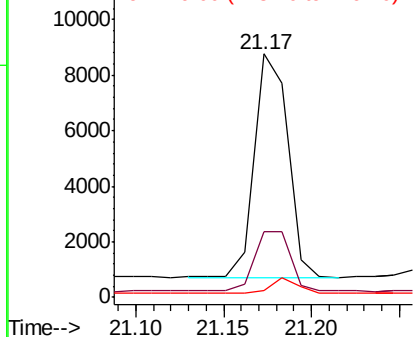
Tot Ion:	149	Resp:	10616
Ion Ratio	Lower	Upper	
149	100		
167	28.7	23.0	34.4
279	5.6	4.6	6.8

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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: 0.226 ng

RT: 25.79 min Scan# 3288

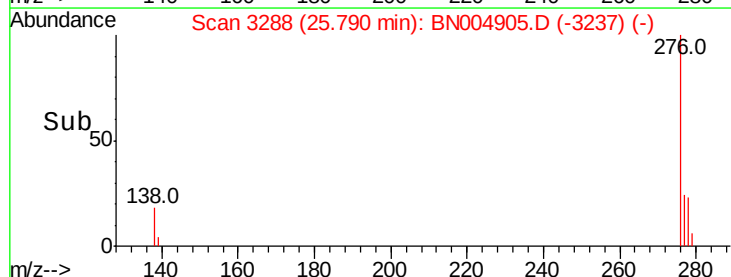
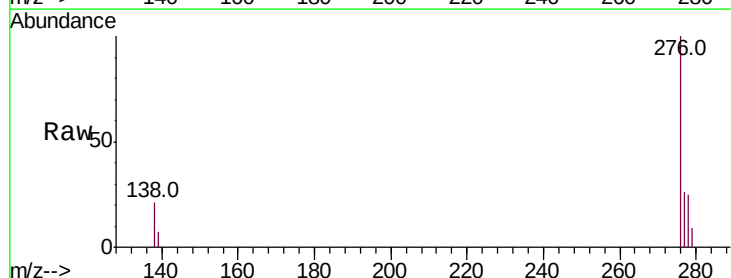
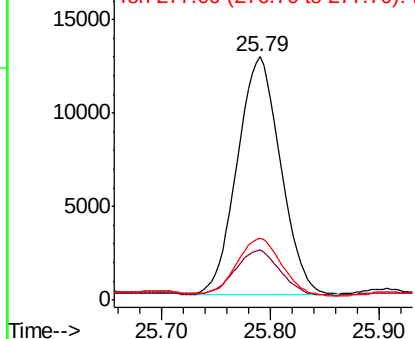
Delta R.T. -0.02 min

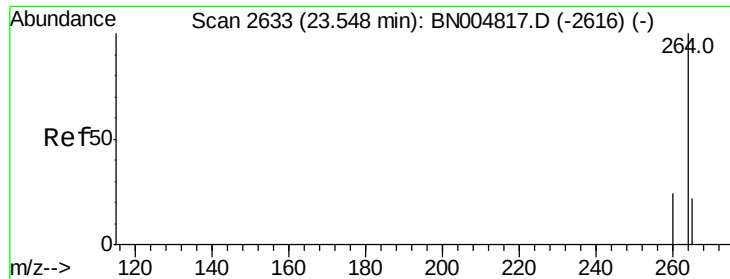
Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Tgt Ion:	276	Resp:	35115
Ion Ratio	Lower	Upper	
276	100		
138	19.9	16.6	24.8
277	25.1	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





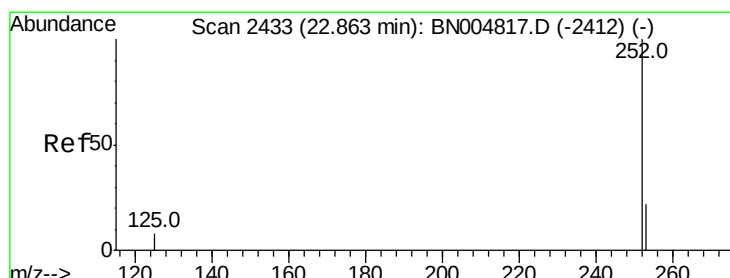
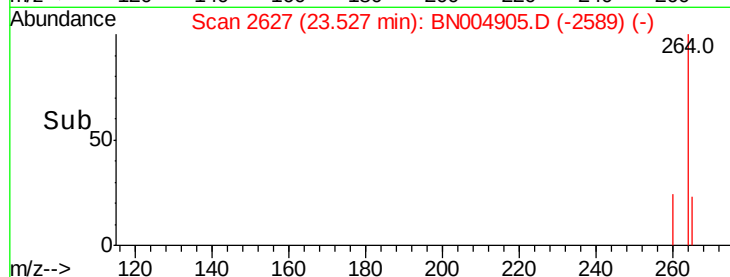
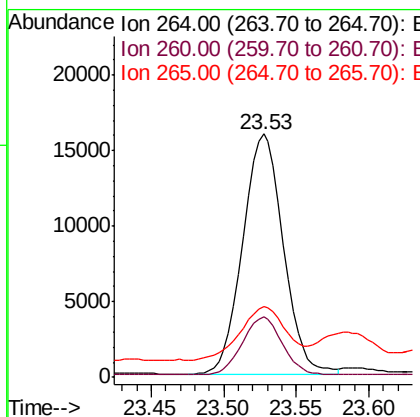
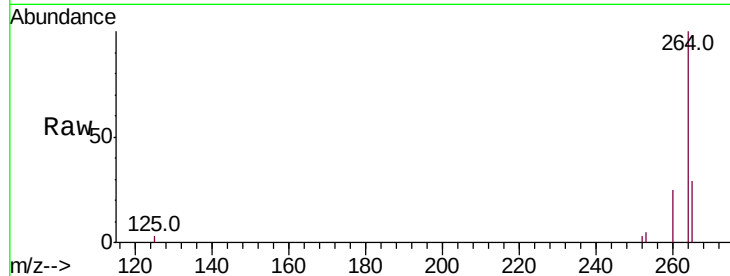
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	28.8	23.1	34.7

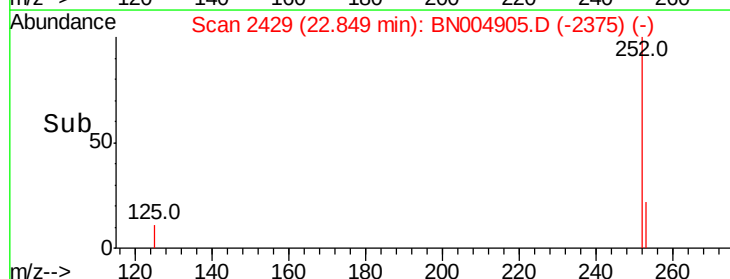
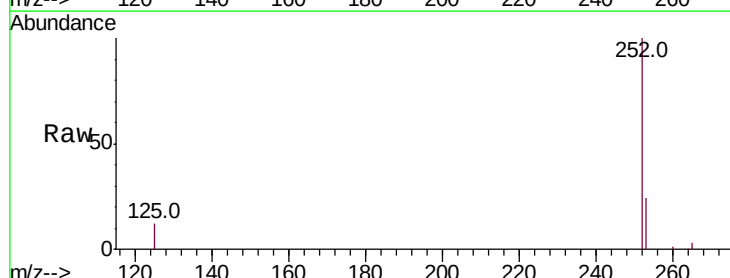
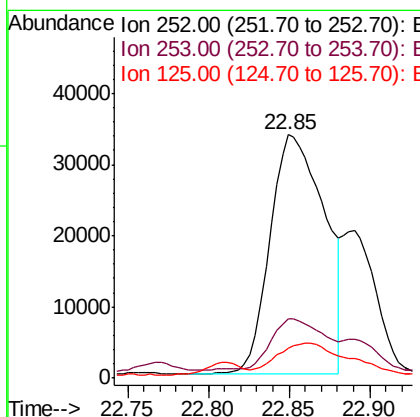
Manual Integrations
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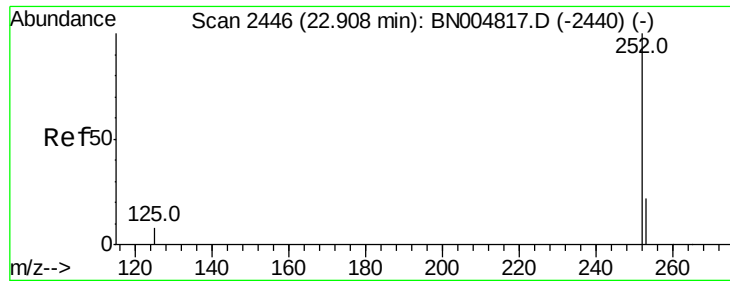
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#35
Benzo(b)fluoranthene
Concen: 0.706 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.4
125	12.2	7.4	11.2





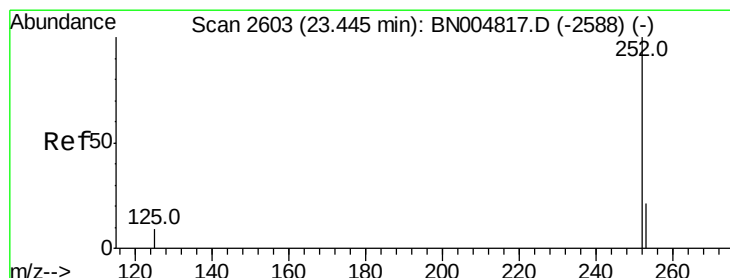
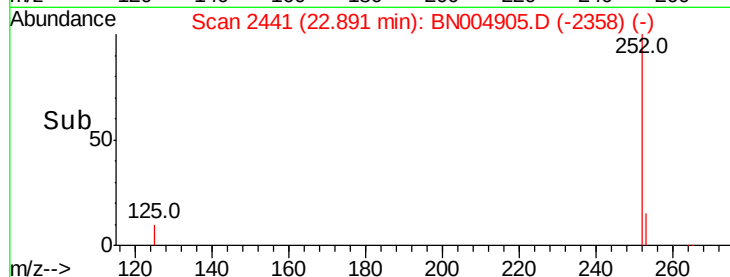
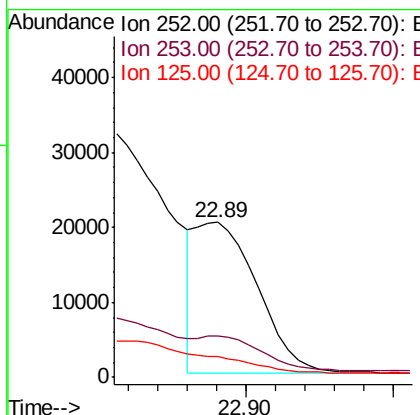
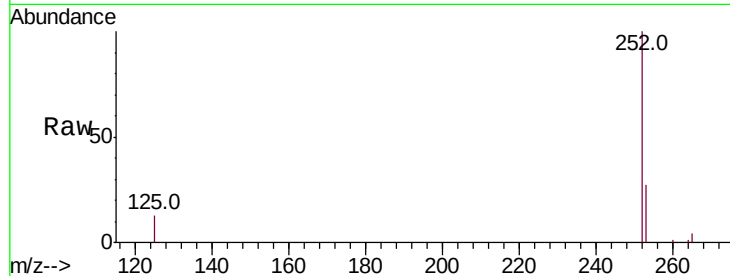
#36
Benzo(k)fluoranthene
Concen: 0.262 ng/mL
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Instrument :
BNA_N
ClientSampleId :
PST-026-B123-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.3	28.9
125	13.2	7.4	11.0

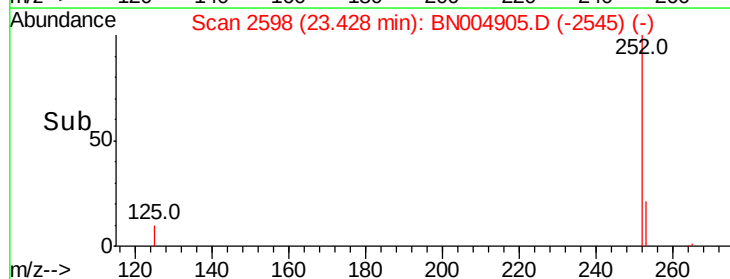
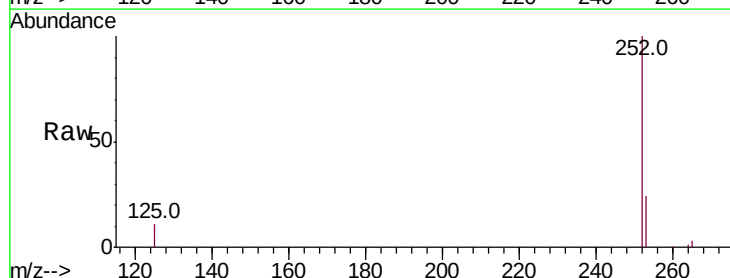
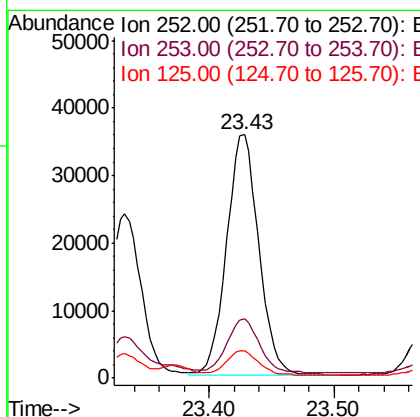
Manual Integrations
APPROVED

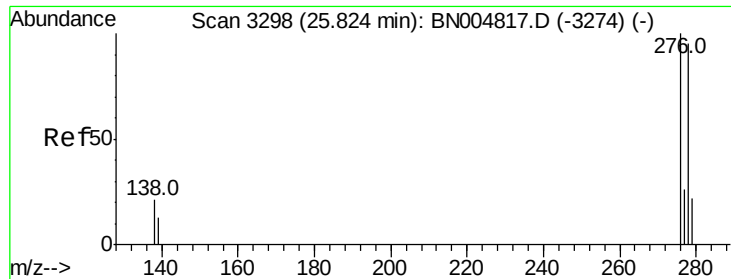
Sohil
3/25/2019 8:56:45 AM



#37
Benzo(a)pyrene
Concen: 0.620 ng/mL
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004905.D
Acq: 23 Mar 2019 03:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.7	29.5
125	11.1	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.088 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.03 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Instrument :

BNA_N

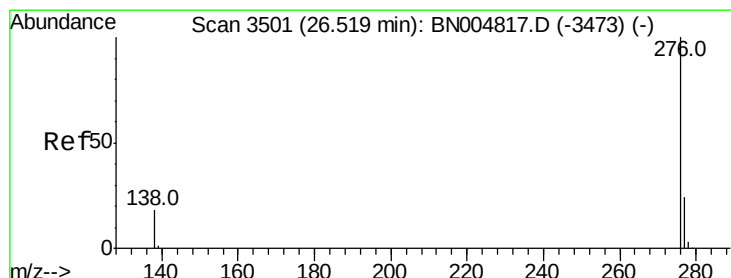
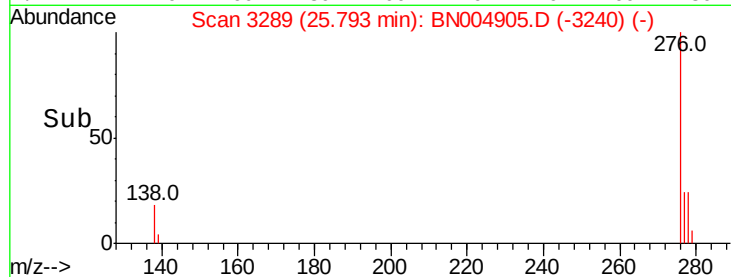
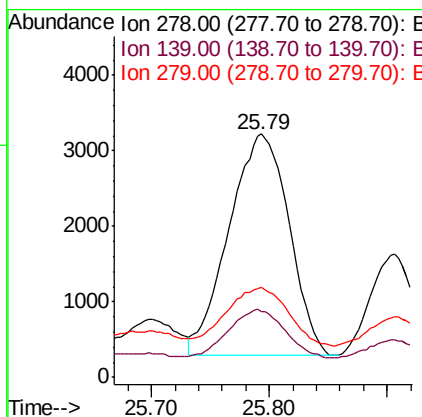
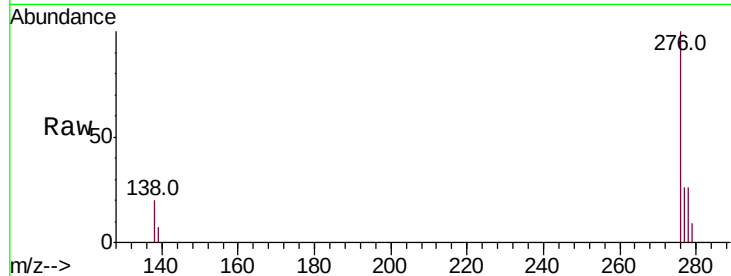
ClientSampleId :

PST-026-B123-031819

Tot Ion:	278	Resp:	10425
Ion Ratio	Lower	Upper	
278	100		
139	26.9	11.7	17.5#
279	36.8	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/25/2019 8:56:45 AM



#39

Benzo(g,h,i)perylene

Concen: 0.308 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004905.D

Acq: 23 Mar 2019 03:16

Tgt Ion:	276	Resp:	37264
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.7	29.5
138	20.6	14.6	22.0

