

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004904.D
 Acq On : 23 Mar 2019 02:41
 Operator : JU/SJ
 Sample : K1817-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW069-030719

Manual Integrations
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Sohil
 3/25/2019 8:56:43 AM

Quant Time: Mar 23 04:43:43 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	3109	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	13515	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	7875	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	19062	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	25294	0.40	ng	-0.01
34) Perylene-d12	23.53	264	26305	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	3608	0.43	ng	0.00
5) Phenol-d6	6.86	99	4719	0.45	ng	-0.02
8) Nitrobenzene-d5	8.86	82	3452	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	8015	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	1845	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	11671	0.36	ng	-0.01
25) Fluoranthene-d10	19.12	212	19792	0.31	ng	-0.02
29) Terphenyl-d14	19.72	244	14408	0.28	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.53	128	8476	0.224	ng	100
12) 2-Methylnaphthalene	12.14	142	5955	0.212	ng	99
16) Acenaphthylene	14.05	152	14106	0.348	ng	98
17) Acenaphthene	14.39	154	24868	0.936	ng	100
18) Fluorene	15.38	166	31362	0.846	ng	# 98
23) Phenanthrene	17.12	178	506172	8.224	ng	99
24) Anthracene	17.22	178	118569	2.157	ng	# 93
26) Fluoranthene	19.15	202	671108	8.484	ng	99
28) Pyrene	19.51	202	565530	7.333	ng	# 93
30) Benzo(a)anthracene	21.27	228	416858	5.025	ng	98
31) Chrysene	21.31	228	321690	3.682	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	2553	0.077	ng	93
33) Indeno(1,2,3-cd)pyrene	25.79	276	140871	1.114	ng	99
35) Benzo(b)fluoranthene	22.85	252	388295	4.080	ng	99
36) Benzo(k)fluoranthene	22.89	252	148107m	1.582	ng	
37) Benzo(a)pyrene	23.43	252	287468	3.293	ng	98
38) Dibenzo(a,h)anthracene	25.79	278	46372	0.459	ng	# 89
39) Benzo(a,h,i)perylene	26.49	276	116516	1.131	ng	98

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

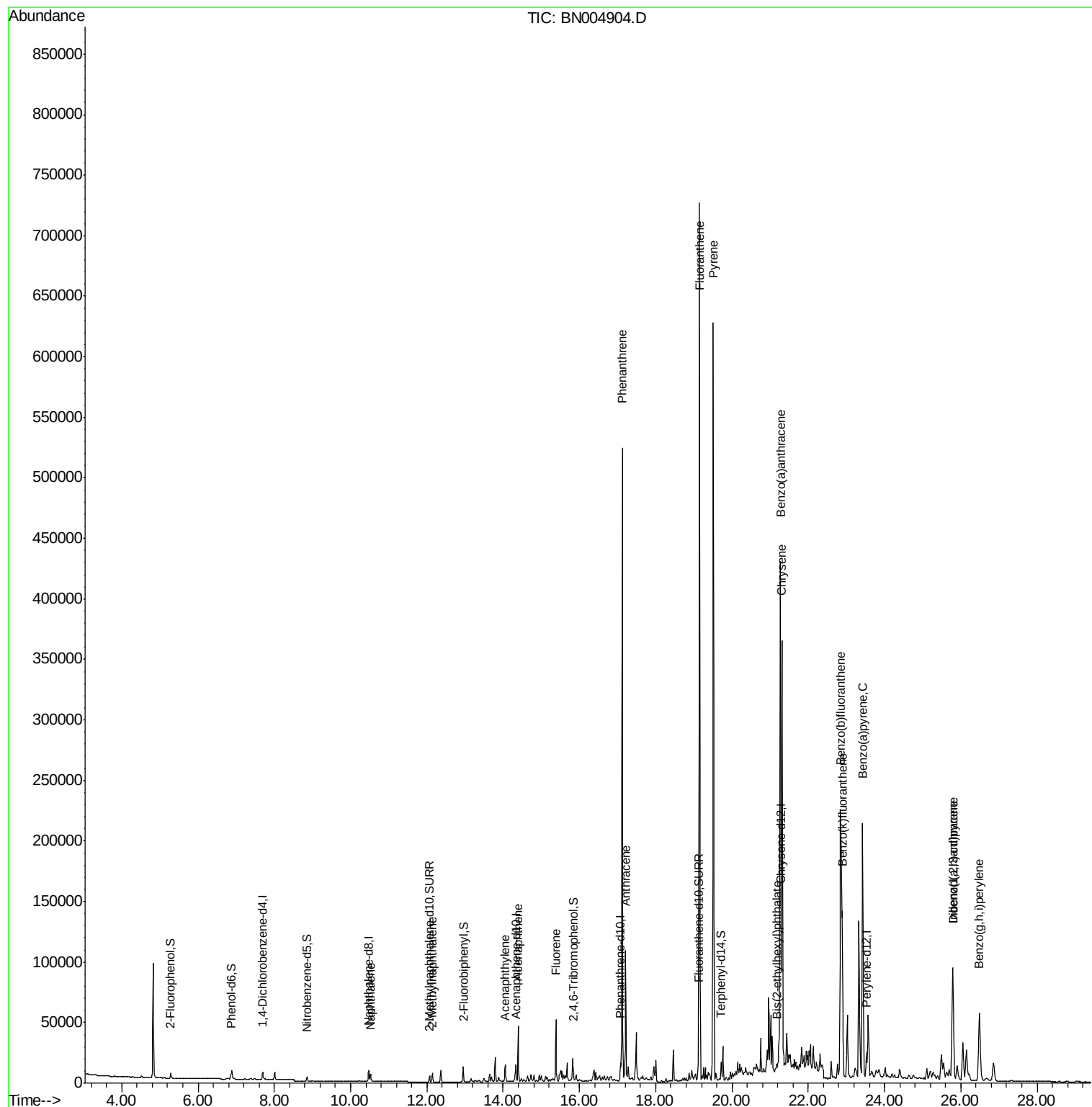
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
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ALS Vial : 12 Sample Multiplier: 1

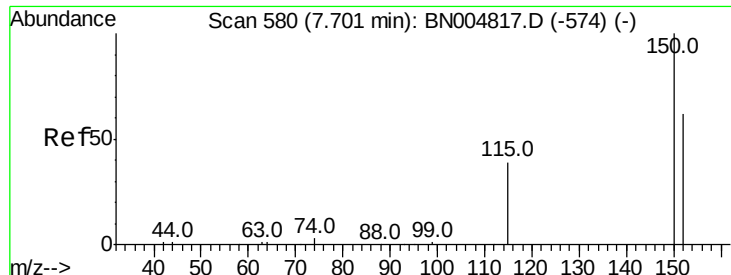
Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719

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3/25/2019 8:56:43 AM

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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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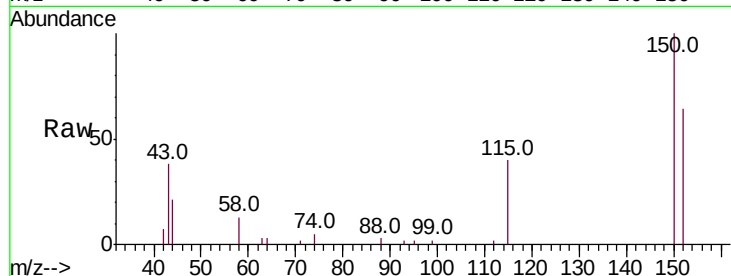
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.69 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BN004904.D
 Acq: 23 Mar 2019 02:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW069-030719

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.4
115	62.1	52.6	79.0

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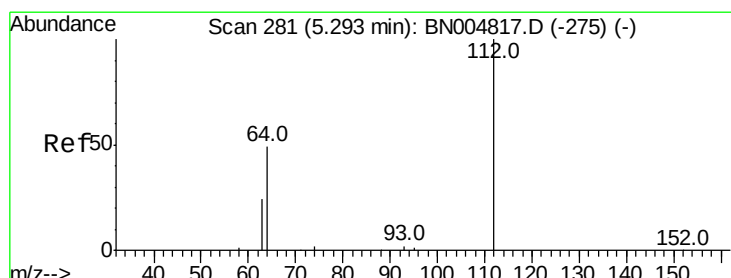
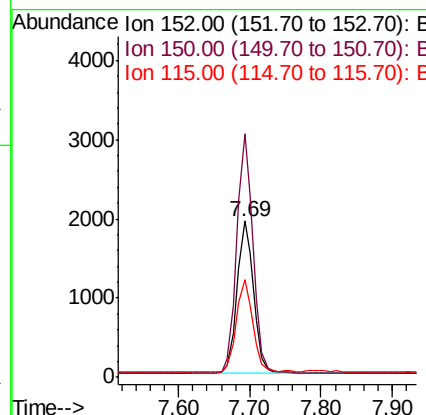
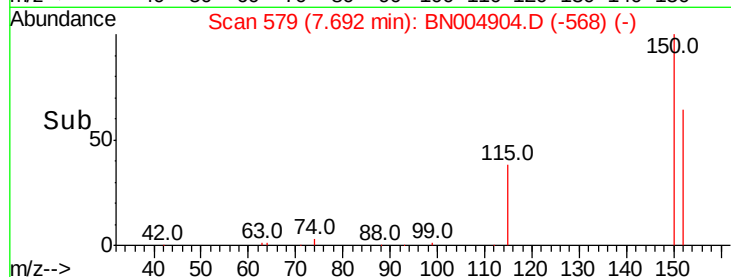


Abundance

Ion 152.00 (151.70 to 152.70): E

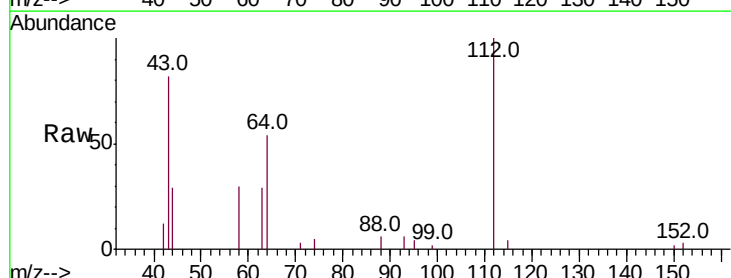
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4
 2-Fluorophenol
 Concen: 0.427 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004904.D
 Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	40.0	60.0
63	26.5	20.2	30.2

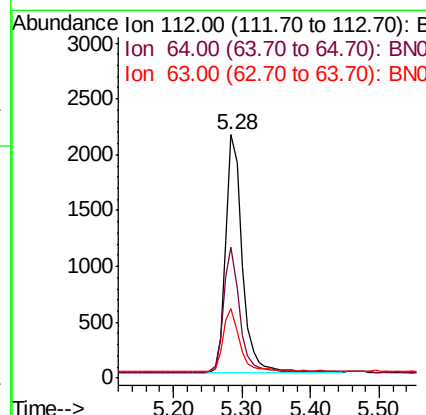
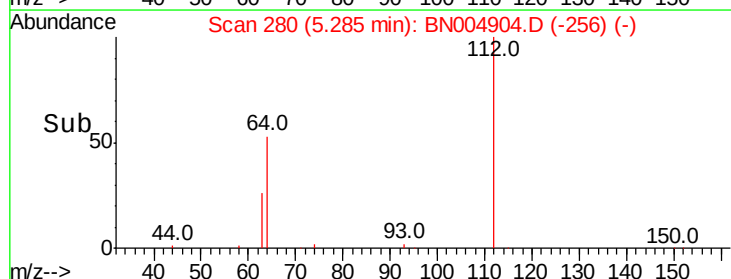


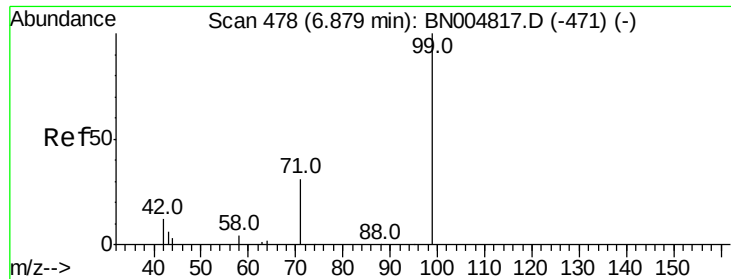
Abundance

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: 0.449 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Instrument :

BNA_N

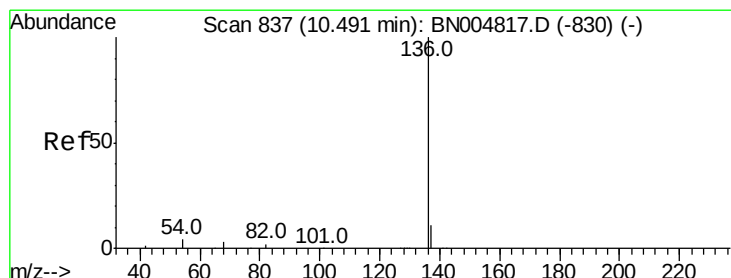
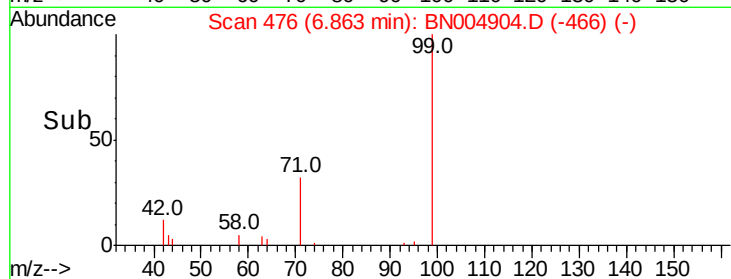
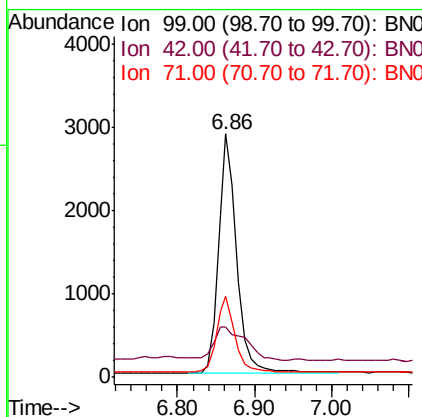
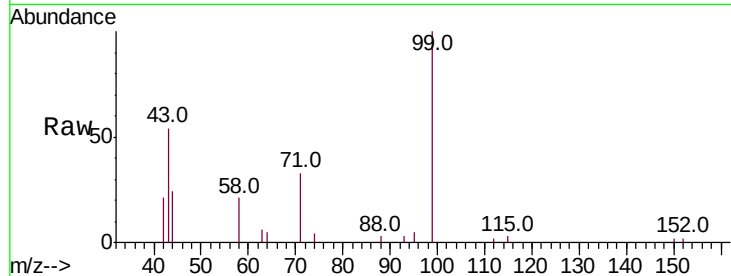
ClientSampleId :

PST-027-SW069-030719

Tot Ion:	99	Resp:	4719
Ion	Ratio	Lower	Upper
99	100		
42	24.0	12.7	19.1#
71	32.1	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

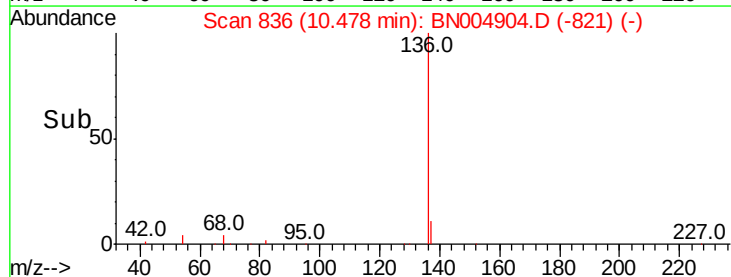
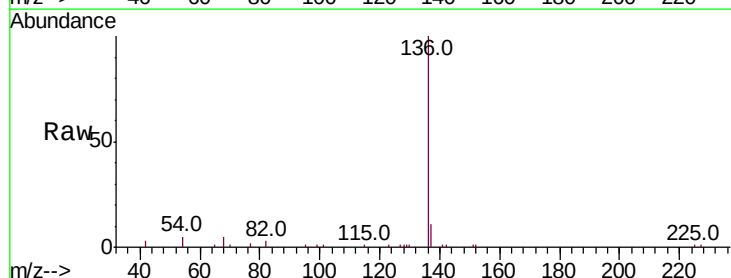
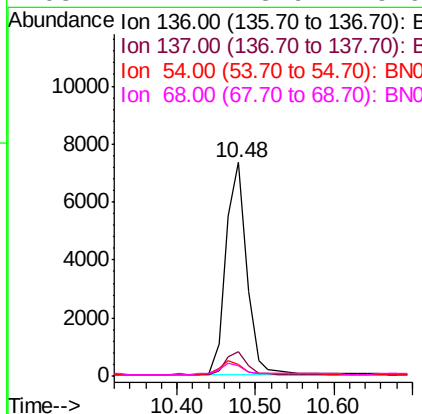
RT: 10.48 min Scan# 836

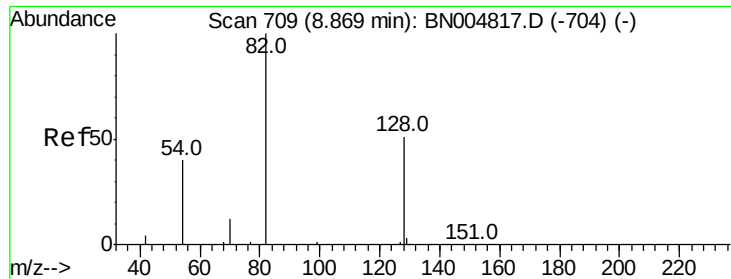
Delta R.T. -0.01 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Tgt Ion:	136	Resp:	13515
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	5.2	4.2	6.2
68	4.7	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.386 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Instrument :

BNA_N

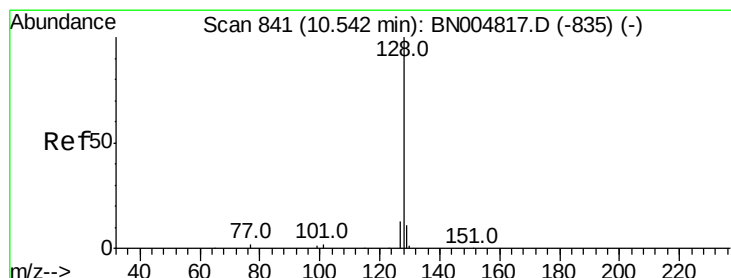
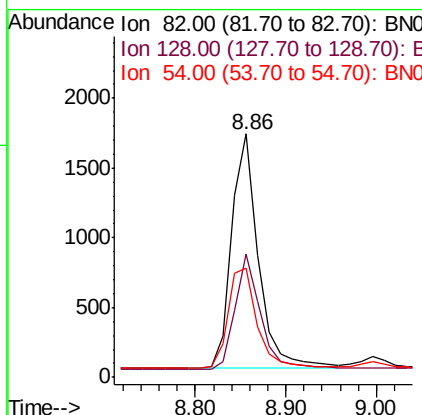
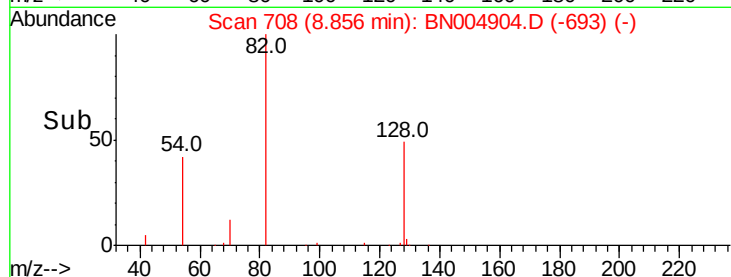
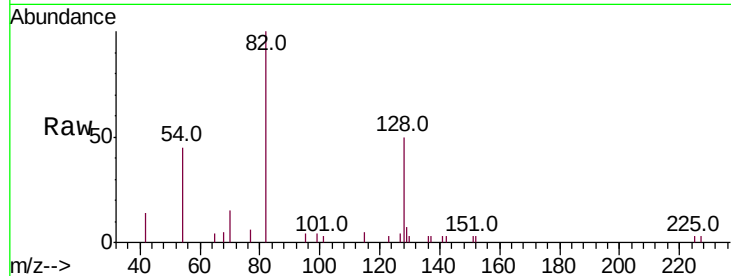
ClientSampleId :

PST-027-SW069-030719

Tot Ion:	82	Resp:	3452
Ion Ratio	Lower	Upper	
82	100		
128	50.5	43.0	64.6
54	44.6	35.3	52.9

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#9

Naphthalene

Concen: 0.224 ng

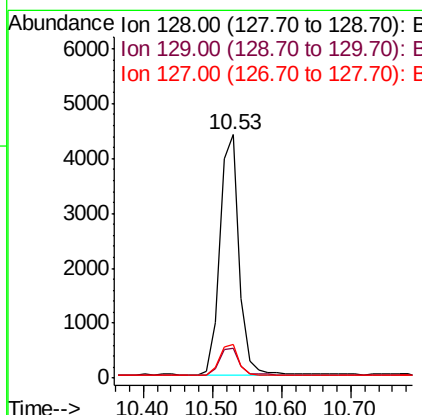
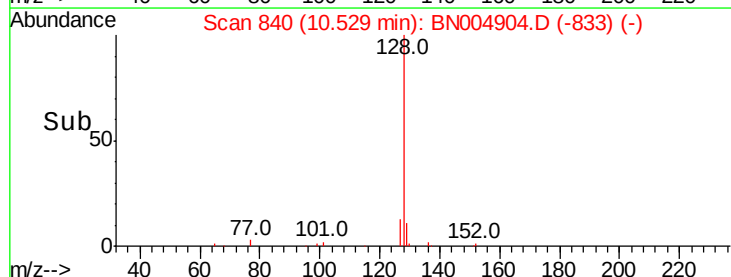
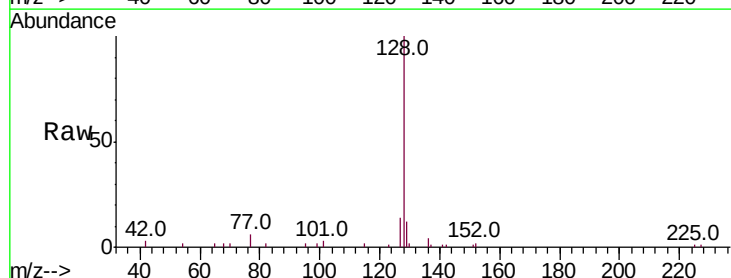
RT: 10.53 min Scan# 840

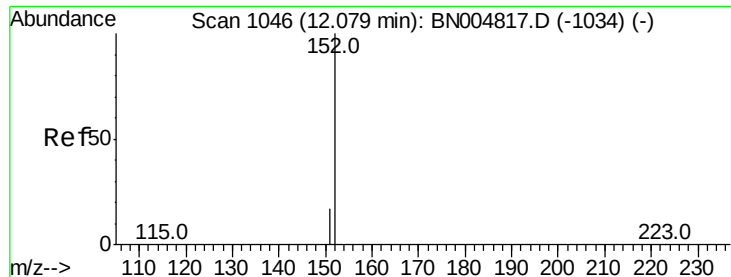
Delta R.T. -0.01 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Tgt Ion:	128	Resp:	8476
Ion Ratio	Lower	Upper	
128	100		
129	12.3	9.9	14.9
127	14.0	11.3	16.9





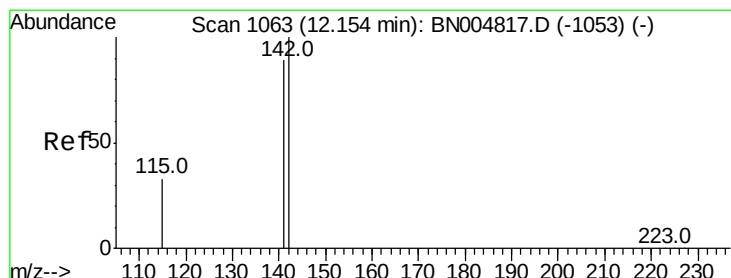
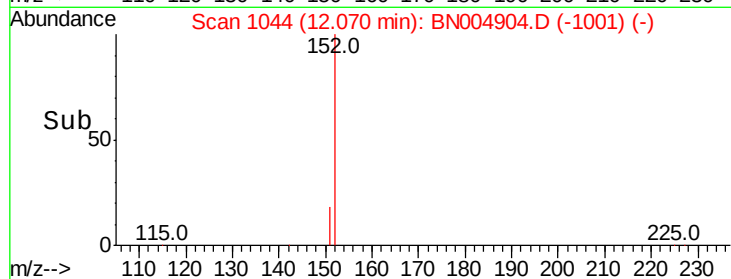
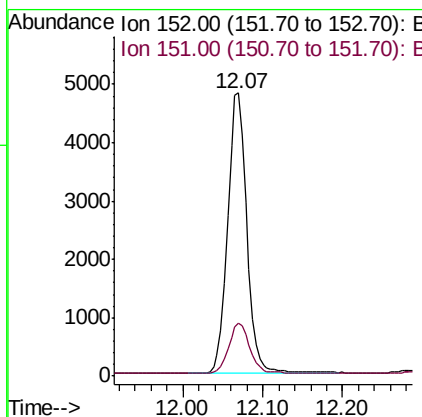
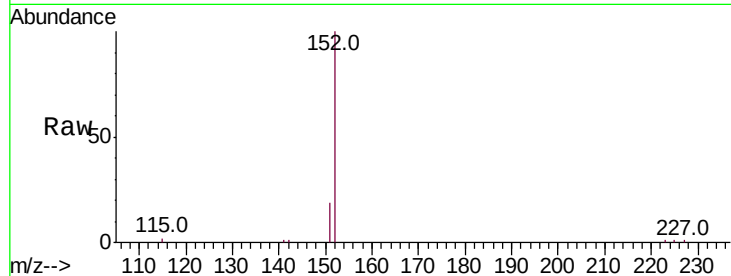
#11
 2-Methylnaphthalene-d10
 Concen: 0.340 ng
 RT: 12.07 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BN004904.D
 Acq: 23 Mar 2019 02:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW069-030719

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

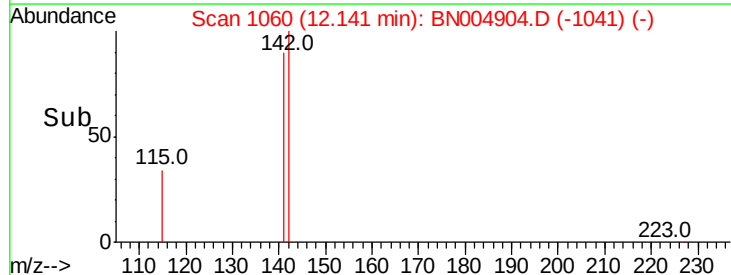
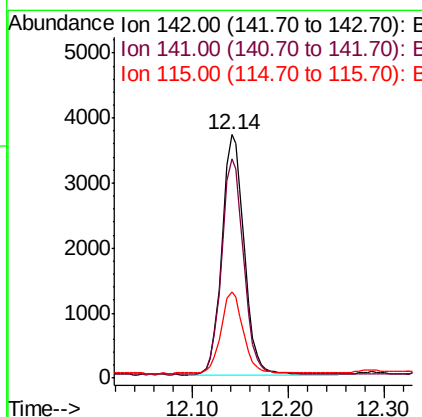
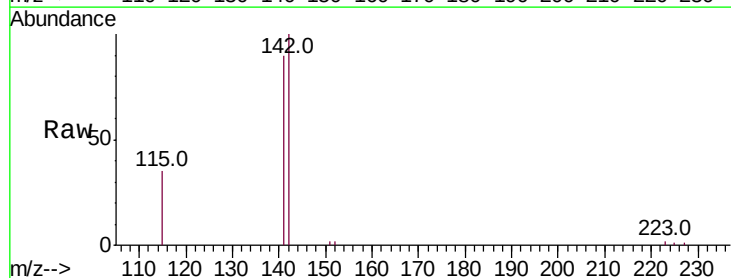
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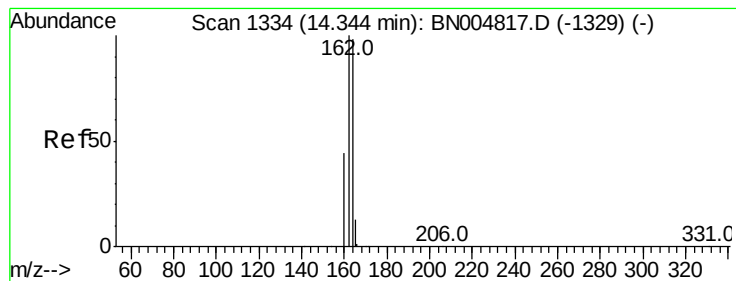
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#12
 2-Methylnaphthalene
 Concen: 0.212 ng
 RT: 12.14 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BN004904.D
 Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.4	107.2
115	35.3	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: BN004904.D

Acq: 23 Mar 2019 02:41

Instrument :

BNA_N

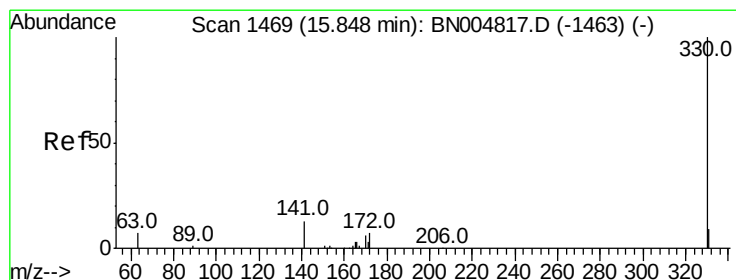
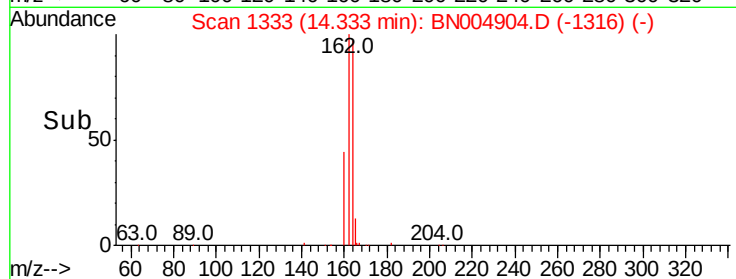
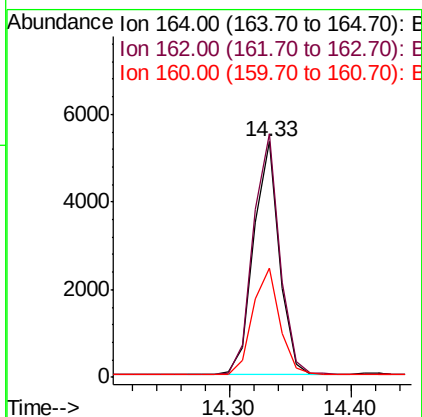
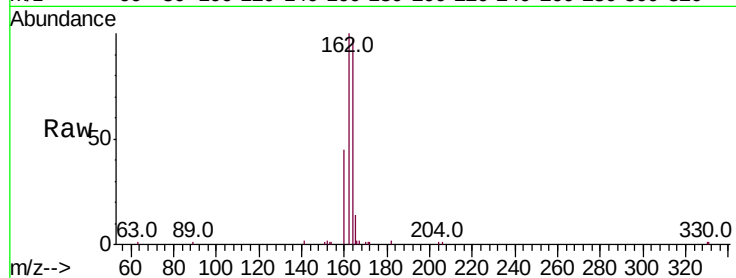
ClientSampleId :

PST-027-SW069-030719

Tot Ion:	164	Resp:	7875
Ion Ratio	Lower	Upper	
164	100		
162	103.4	81.9	122.9
160	46.4	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.339 ng

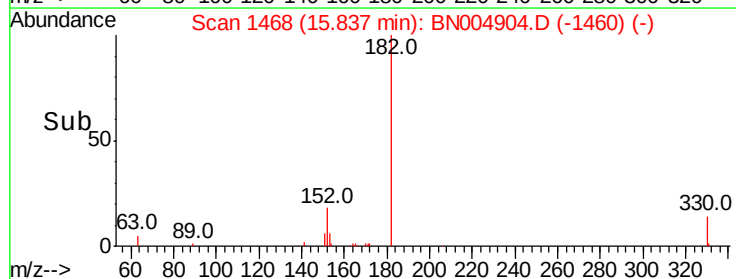
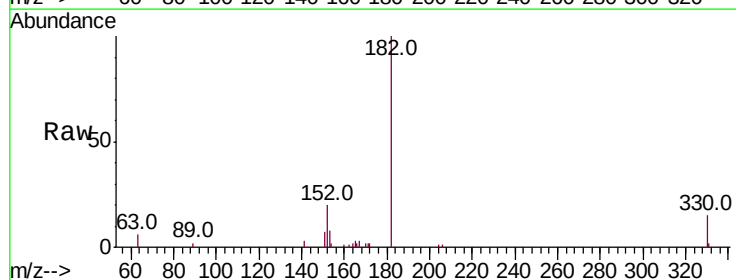
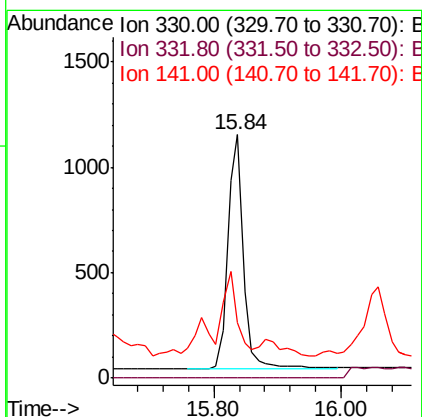
RT: 15.84 min Scan# 1468

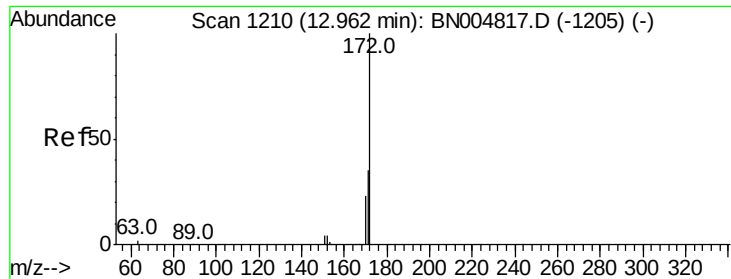
Delta R.T. -0.01 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Tgt Ion:	330	Resp:	1845
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	28.4	20.9	31.3





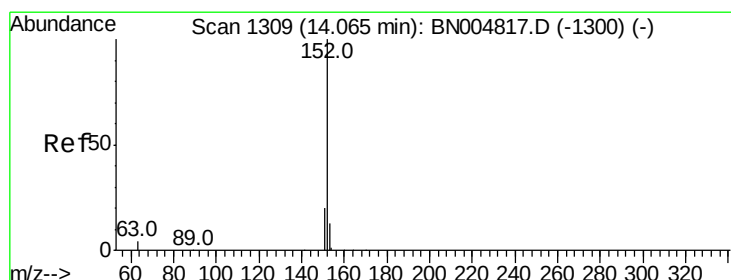
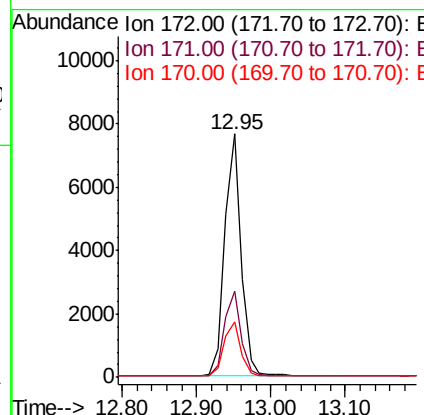
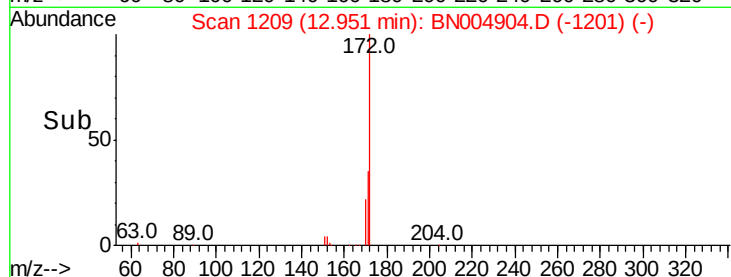
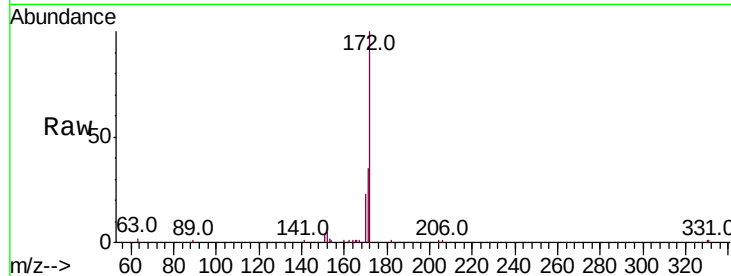
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	22.8	18.7	28.1

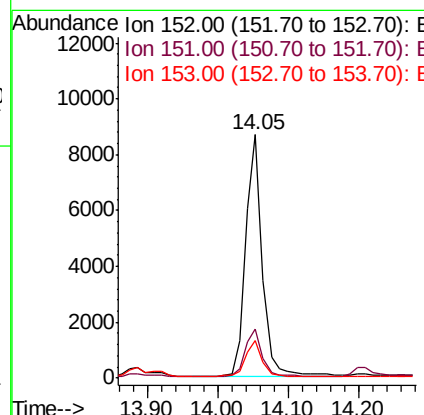
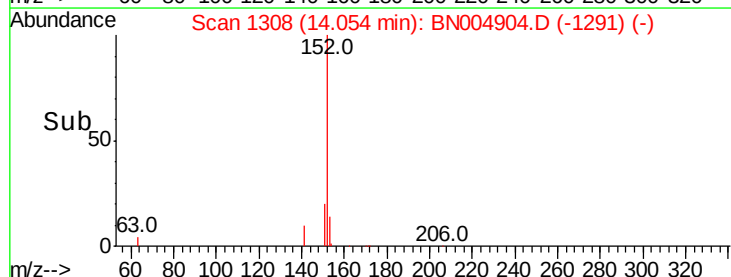
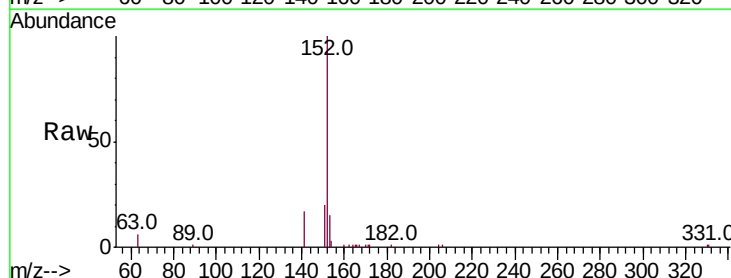
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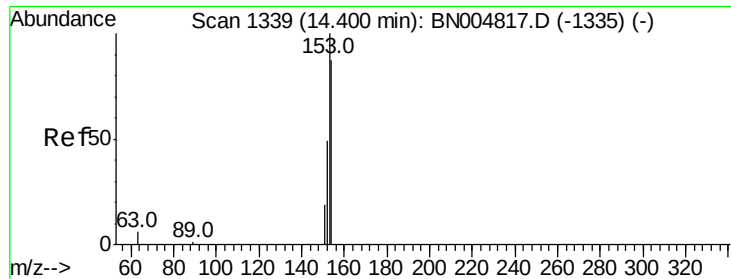
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#16
Acenaphthylene
Concen: 0.348 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	15.2	10.5	15.7





#17

Acenaphthene

Concen: 0.936 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Instrument :

BNA_N

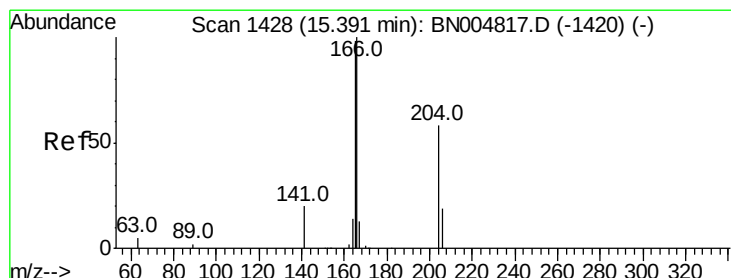
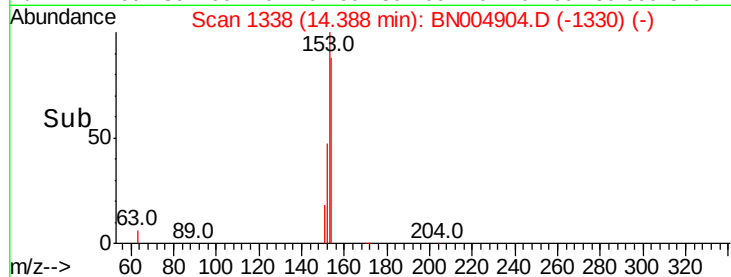
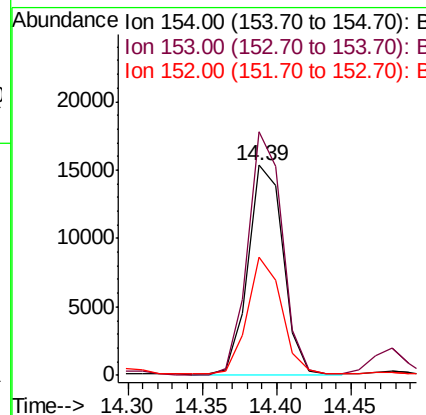
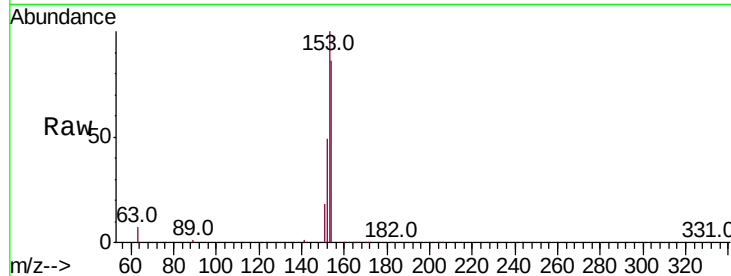
ClientSampleId :

PST-027-SW069-030719

Tot Ion:	154	Resp:	24868
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.4	137.2
152	55.0	44.2	66.2

Manual Integrations
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#18

Fluorene

Concen: 0.846 ng

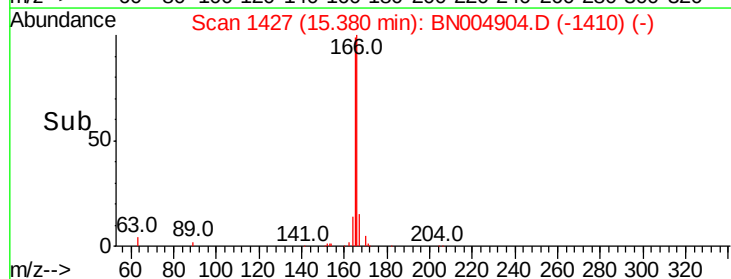
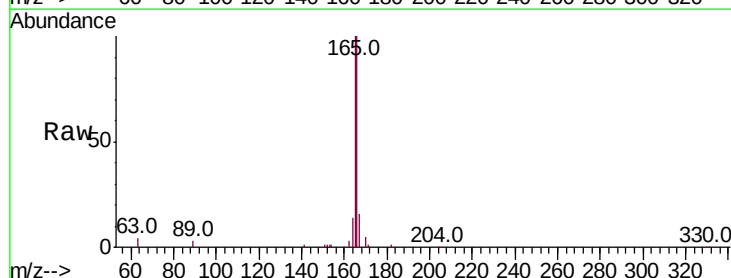
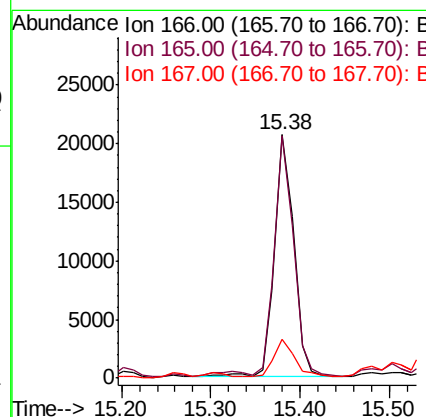
RT: 15.38 min Scan# 1427

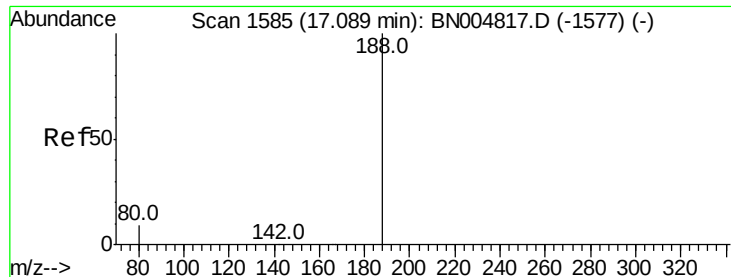
Delta R.T. -0.01 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Tgt Ion:	166	Resp:	31362
Ion Ratio	Lower	Upper	
166	100		
165	96.3	78.2	117.4
167	16.6	11.0	16.4#





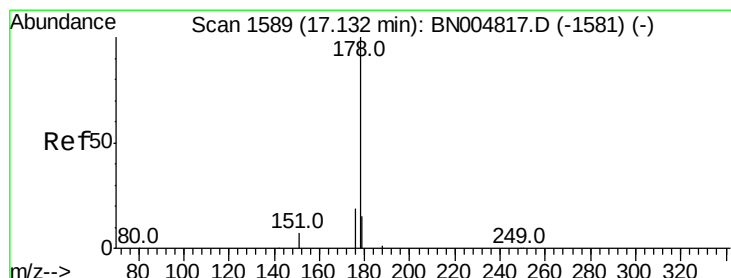
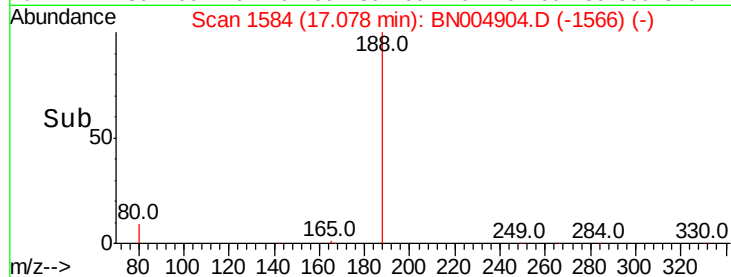
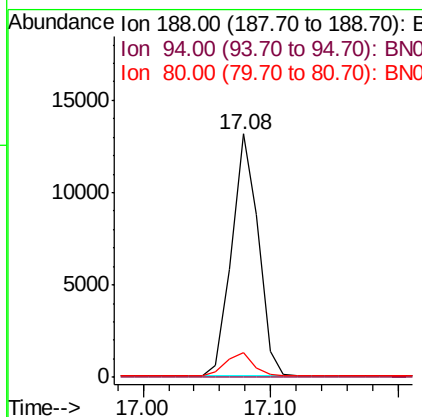
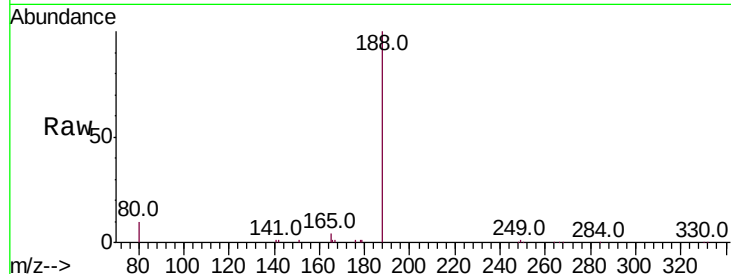
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	7.4	11.2

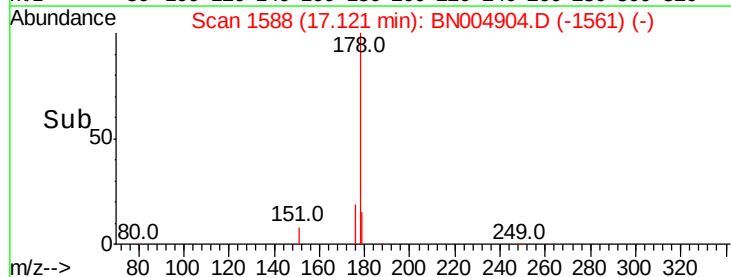
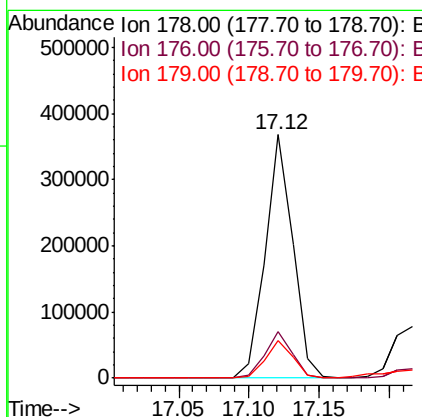
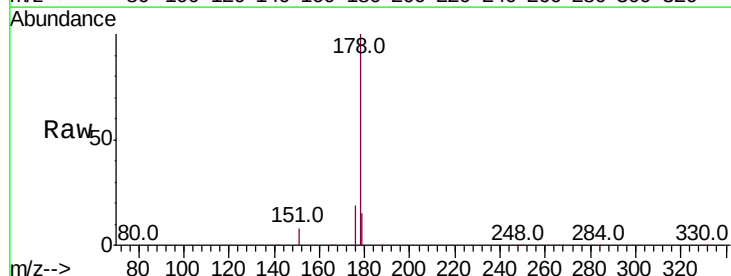
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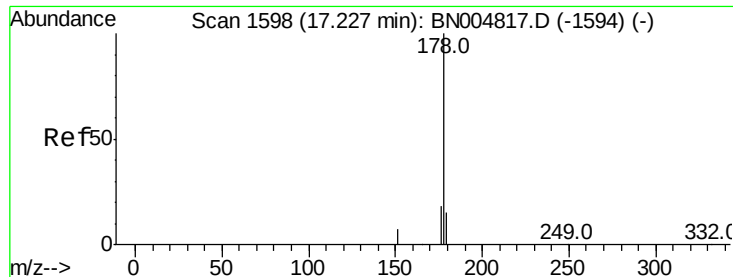
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#23
Phenanthrene
Concen: 8.224 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

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





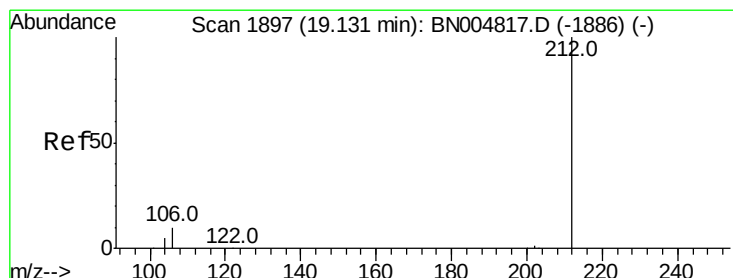
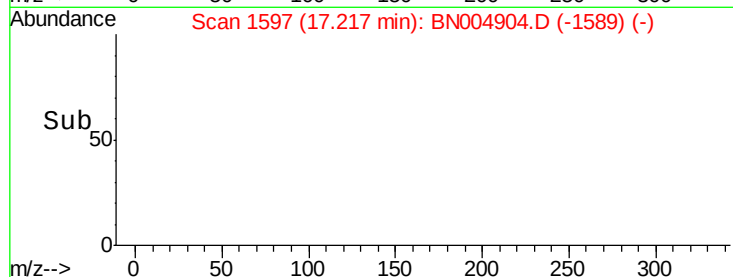
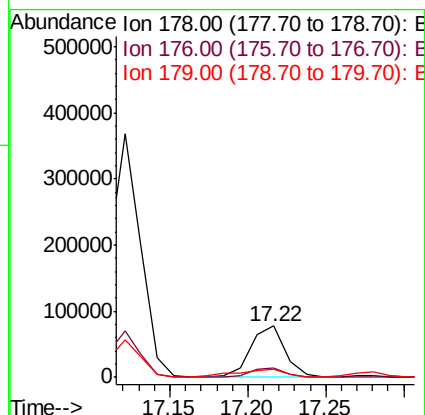
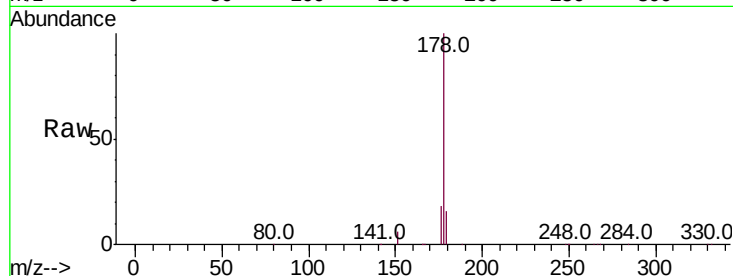
#24
 Anthracene
 Concen: 2.157 ng
 RT: 17.22 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BN004904.D
 Acq: 23 Mar 2019 02:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW069-030719

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

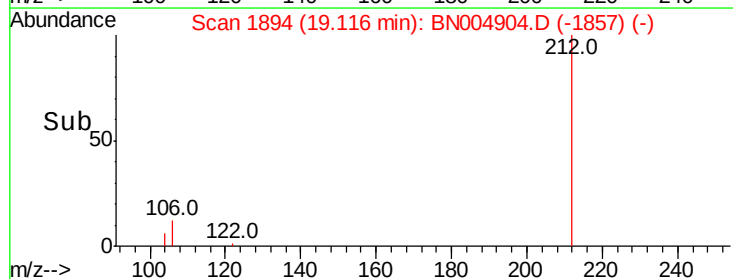
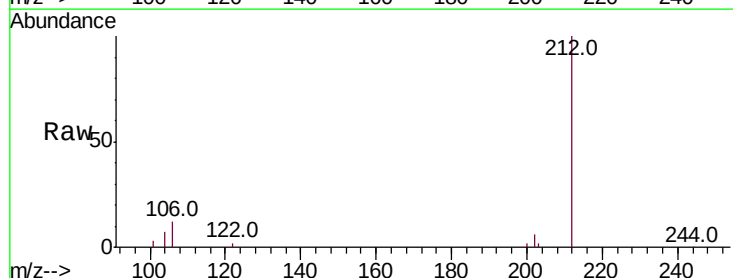
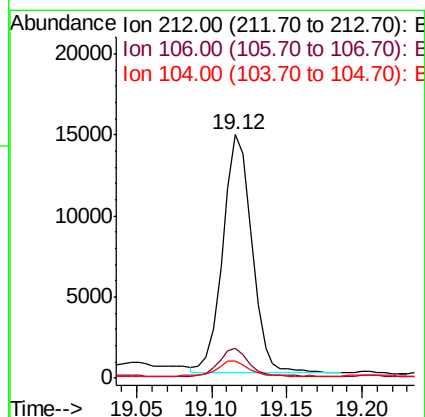
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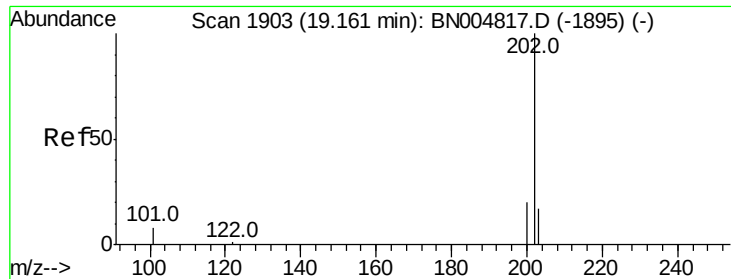
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#25
 Fluoranthene-d10
 Concen: 0.310 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. -0.02 min
 Lab File: BN004904.D
 Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.6	8.6	13.0
104	6.6	4.7	7.1





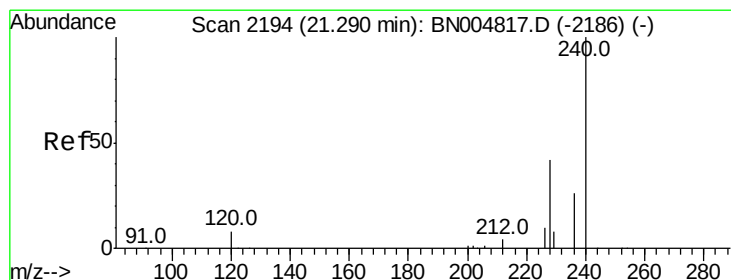
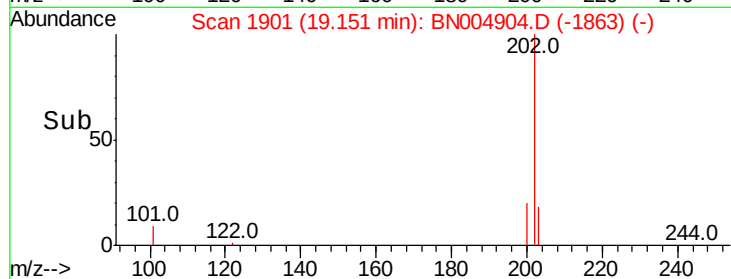
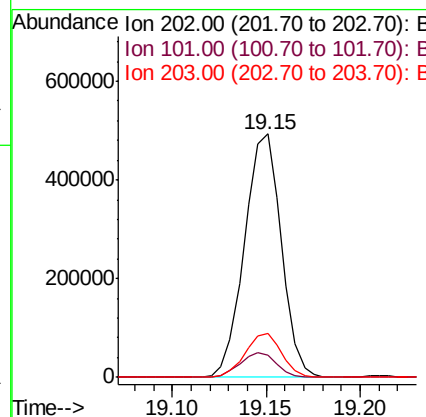
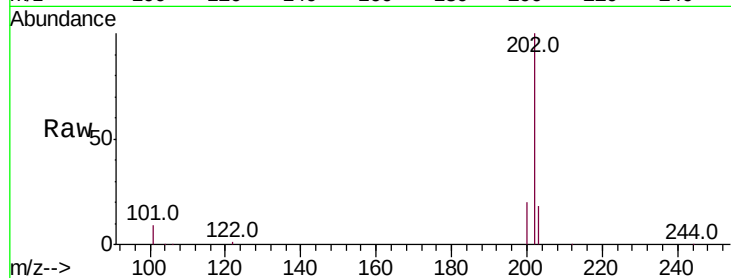
#26
Fluoranthene
 Concen: 8.484 ng
 RT: 19.15 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: BN004904.D
 Acq: 23 Mar 2019 02:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW069-030719

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.5	11.3
203	17.7	13.8	20.6

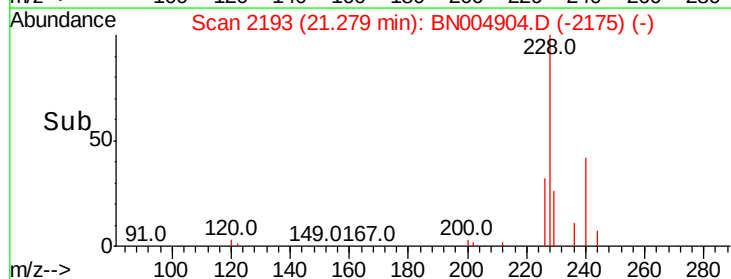
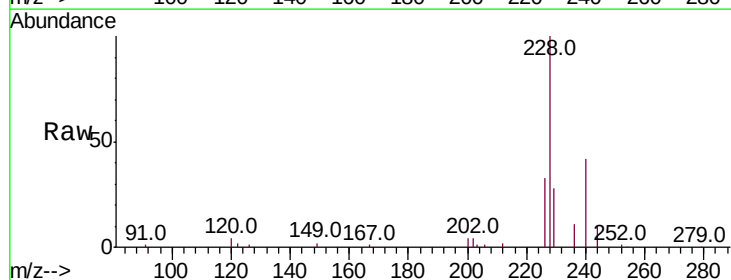
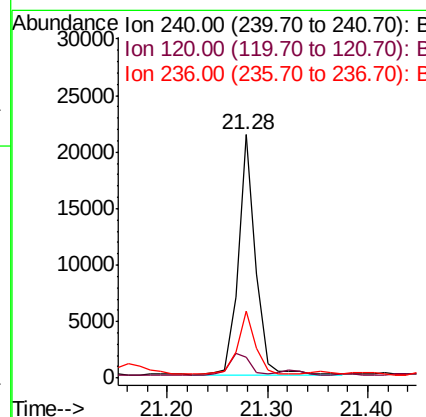
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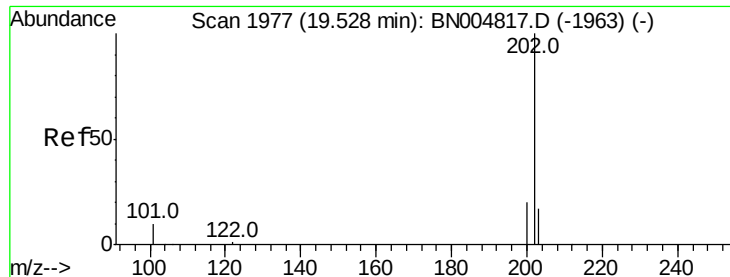
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004904.D
 Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.2	10.8
236	27.5	20.9	31.3





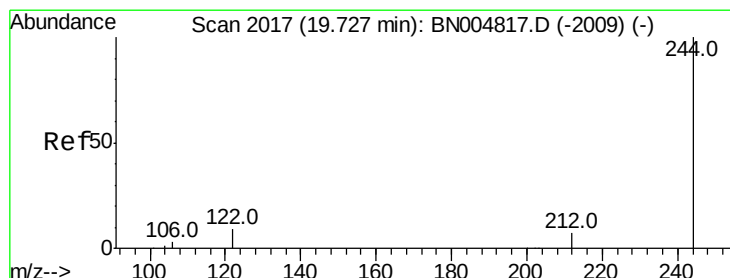
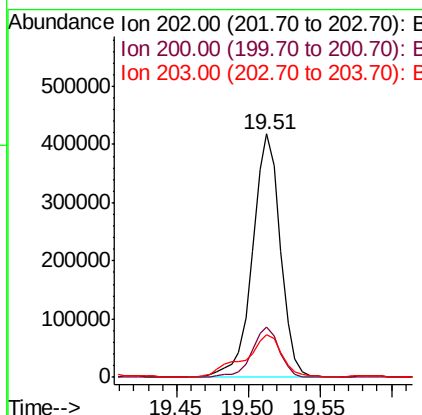
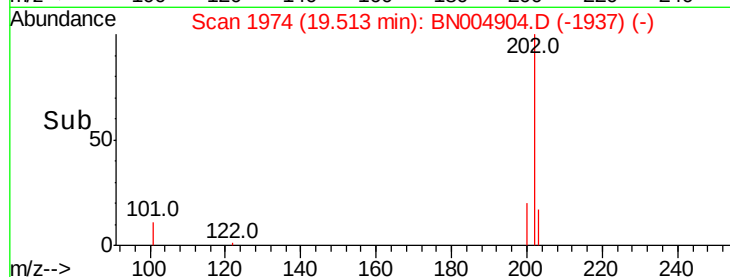
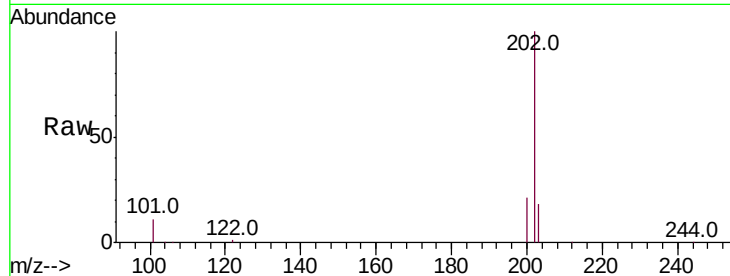
#28
Pvrene
Concen: 7.333 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.3	24.5
203	23.4	14.0	21.0

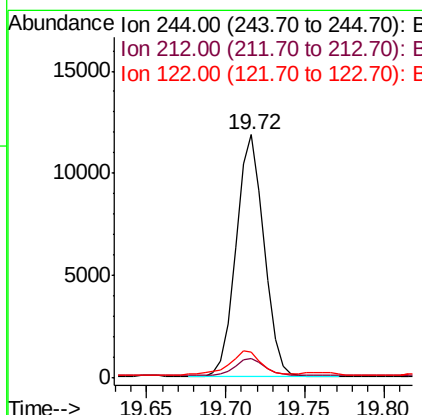
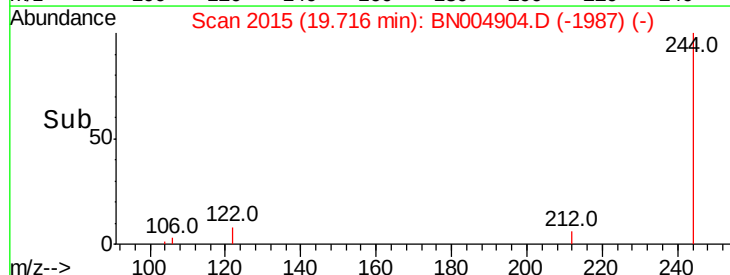
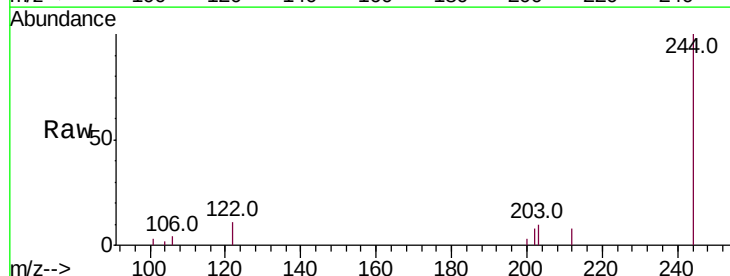
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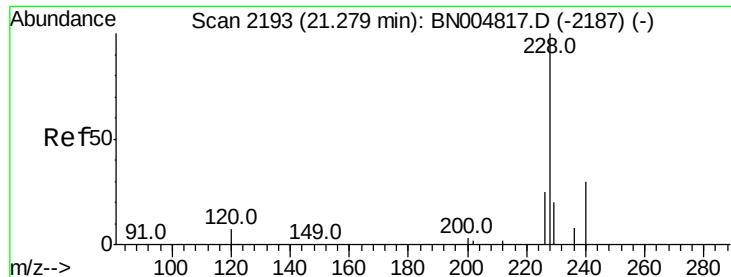
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#29
Terphenyl-d14
Concen: 0.278 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.0	5.8	8.6
122	10.6	7.9	11.9





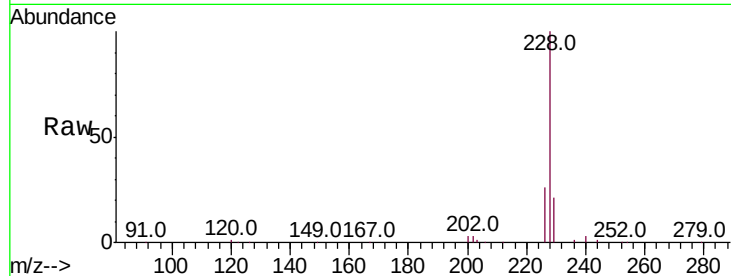
#30
Benzo(a)anthracene
Concen: 5.025 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719

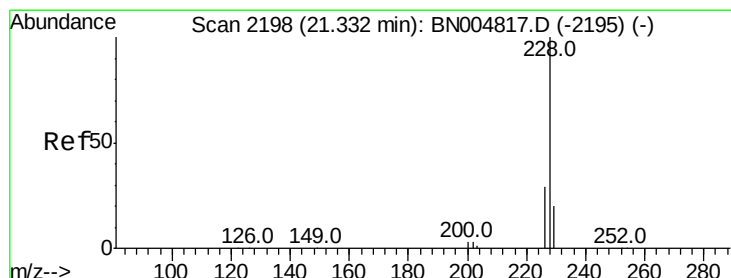
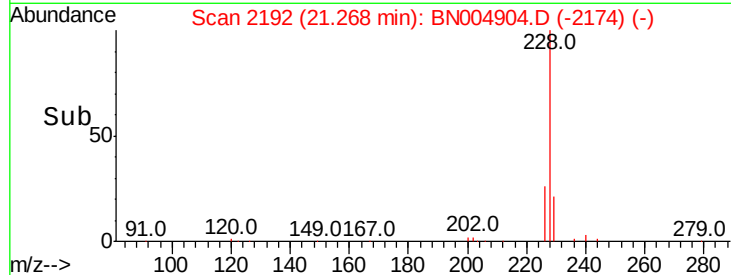
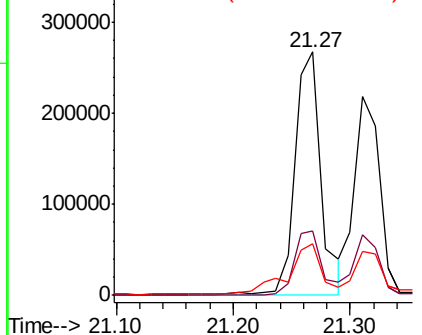
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	20.6	31.0
229	21.3	16.2	24.4

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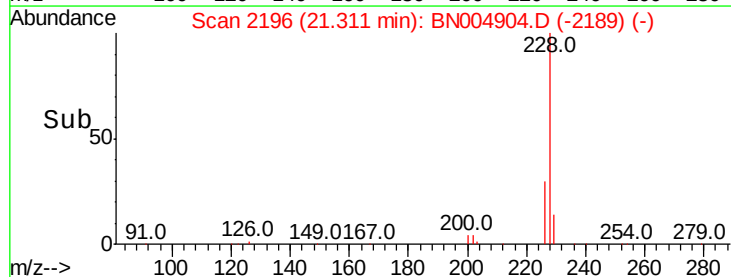
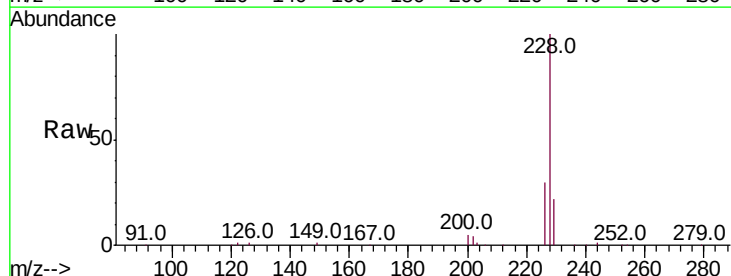
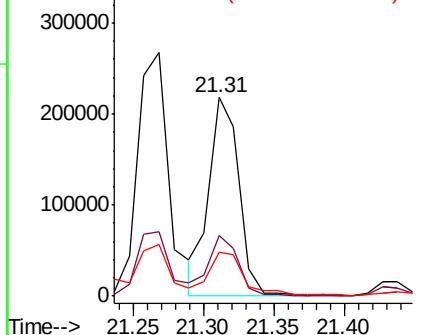
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

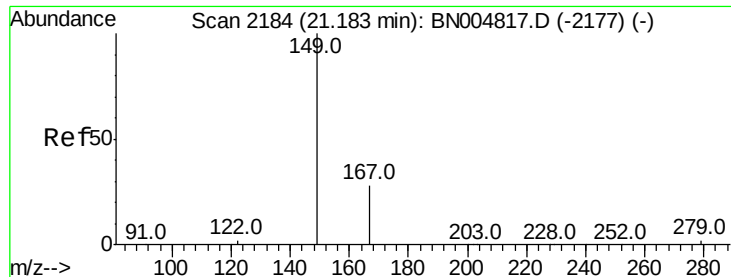


#31
Chrysene
Concen: 3.682 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.0	34.6
229	22.2	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: 0.077 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Instrument :

BNA_N

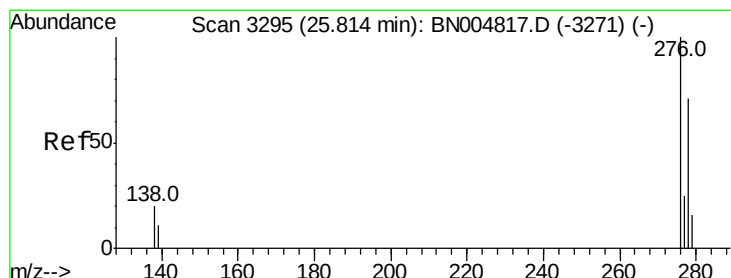
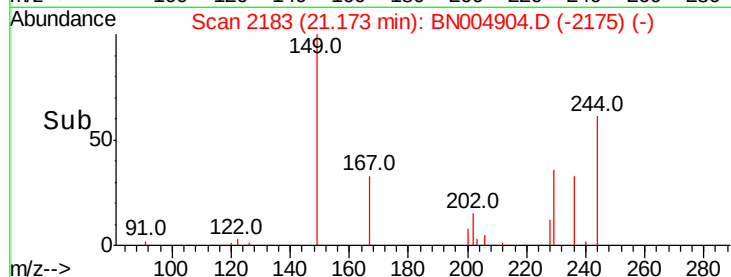
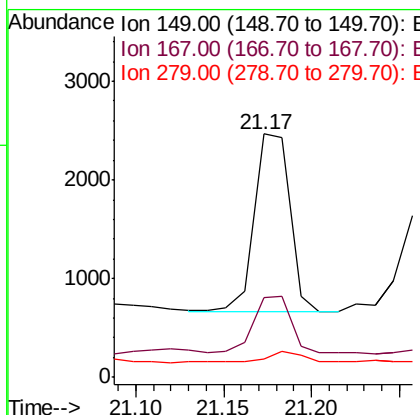
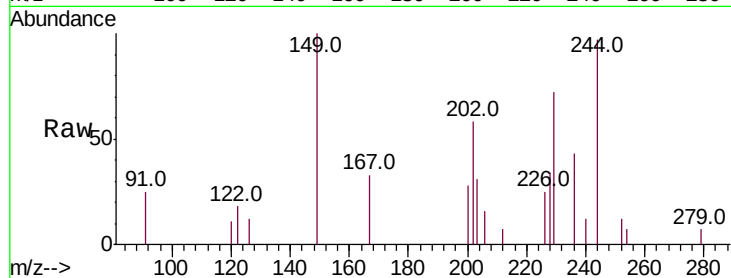
ClientSampleId :

PST-027-SW069-030719

Tot Ion:	149	Resp:	2553
Ion Ratio	Lower	Upper	
149	100		
167	33.2	23.0	34.4
279	6.3	4.6	6.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.114 ng

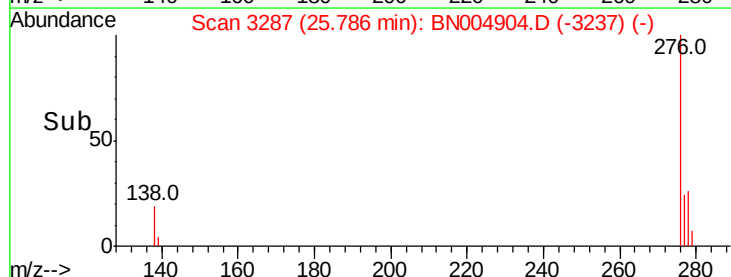
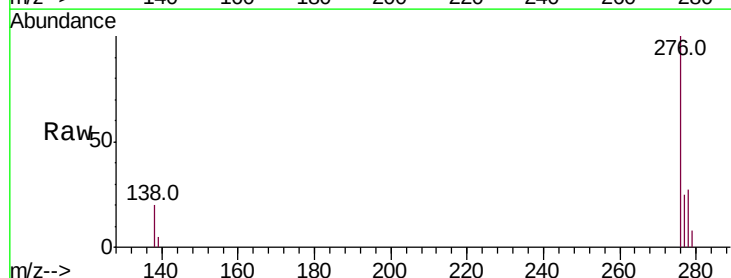
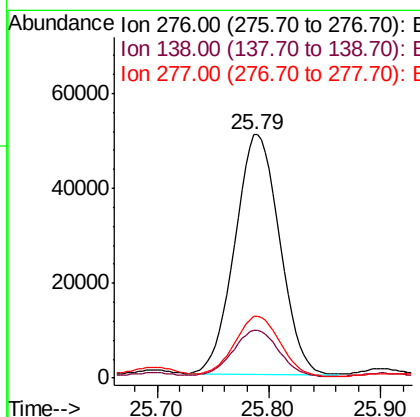
RT: 25.79 min Scan# 3287

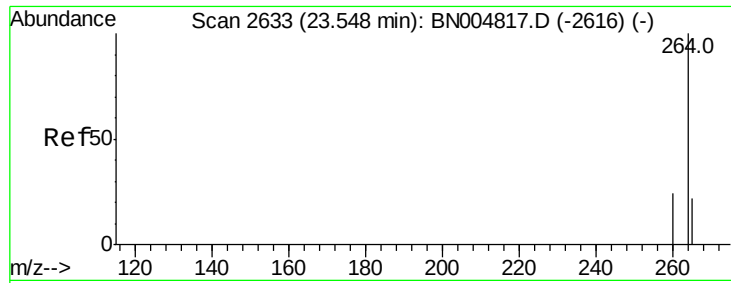
Delta R.T. -0.03 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Tgt Ion:	276	Resp:	140871
Ion Ratio	Lower	Upper	
276	100		
138	19.6	16.6	24.8
277	25.4	20.3	30.5





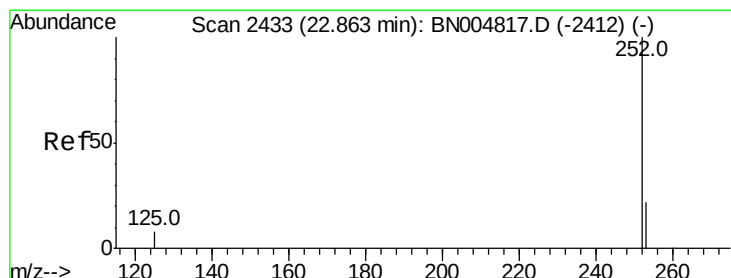
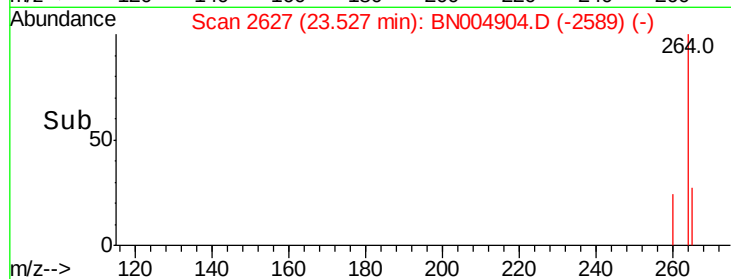
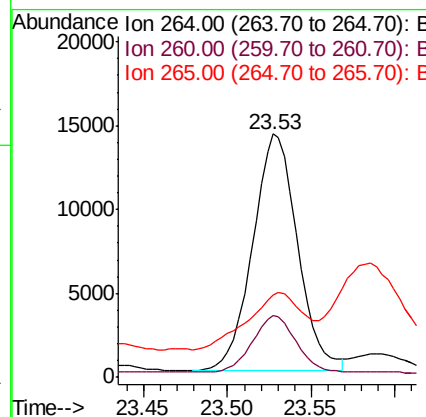
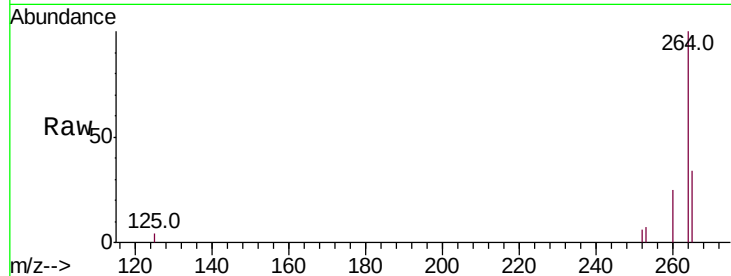
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	33.7	23.1	34.7

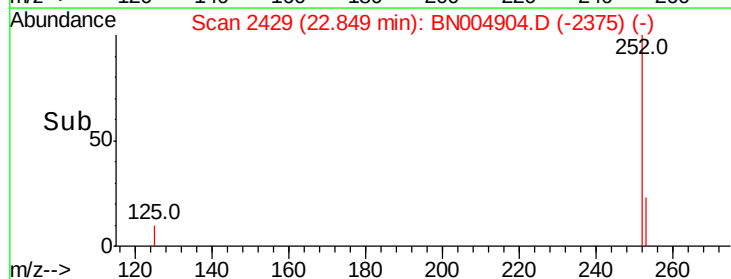
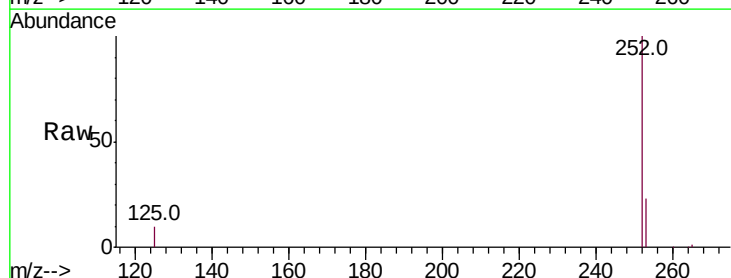
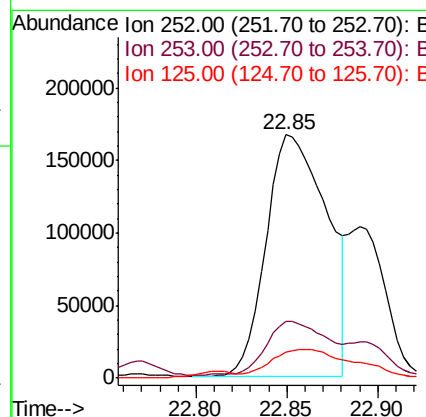
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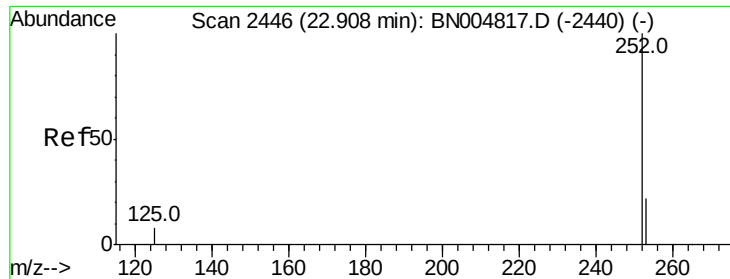
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#35
Benzo(b)fluoranthene
Concen: 4.080 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.0	28.4
125	10.5	7.4	11.2





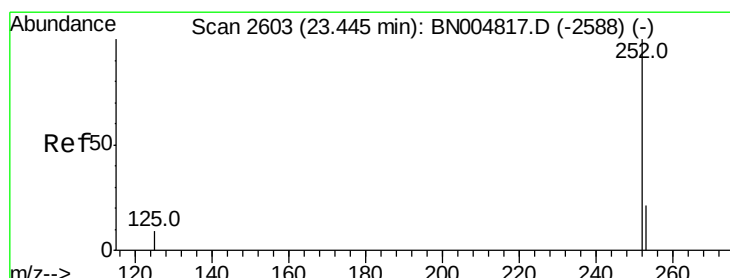
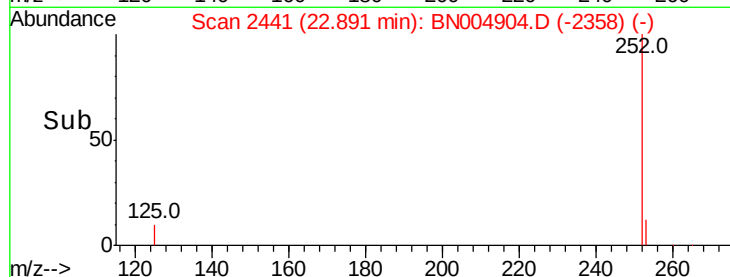
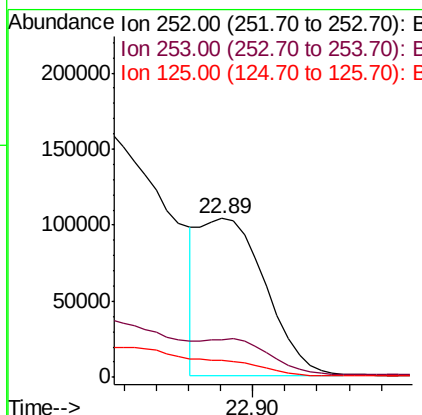
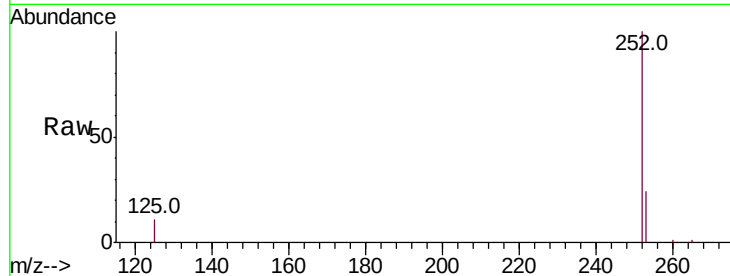
#36
Benzo(k)fluoranthene
Concen: 1.582 ng/mL
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Instrument :
BNA_N
ClientSampleId :
PST-027-SW069-030719

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.3	28.9
125	10.5	7.4	11.0

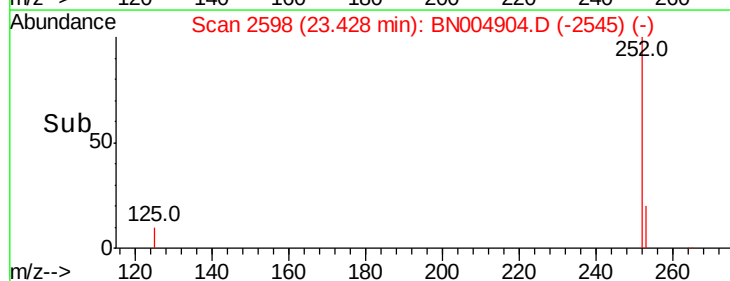
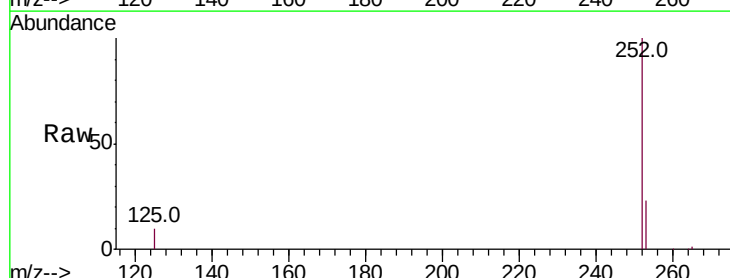
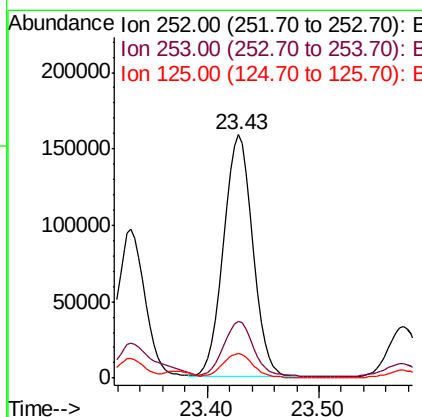
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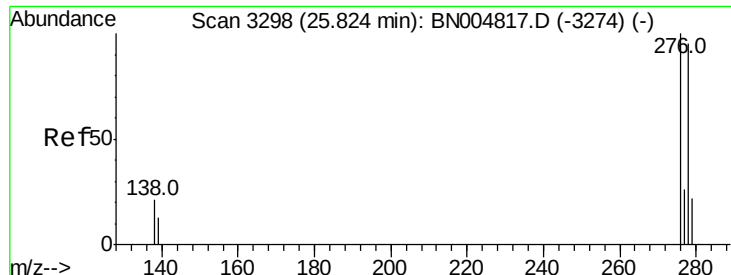
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#37
Benzo(a)pyrene
Concen: 3.293 ng/mL
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004904.D
Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.7	29.5
125	10.2	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.459 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.03 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Instrument :

BNA_N

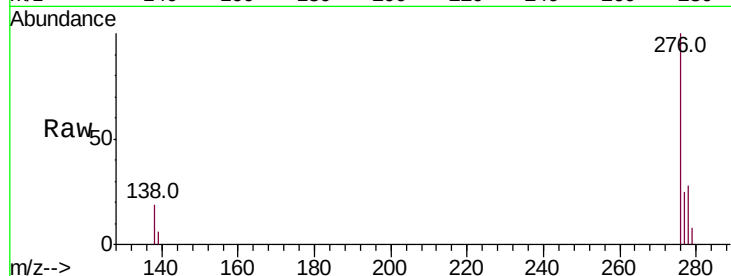
ClientSampleId :

PST-027-SW069-030719

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.9	11.7	17.5#
279	29.5	19.9	29.9

Manual Integrations
APPROVED

Sohil
3/25/2019 8:56:43 AM

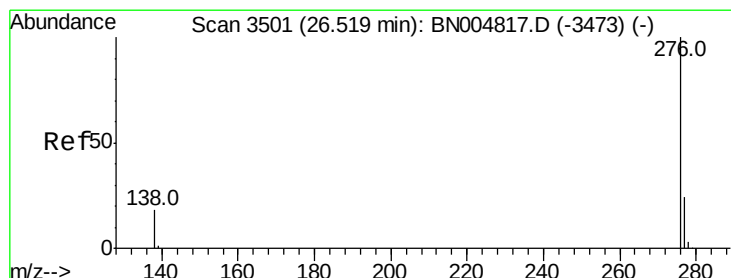
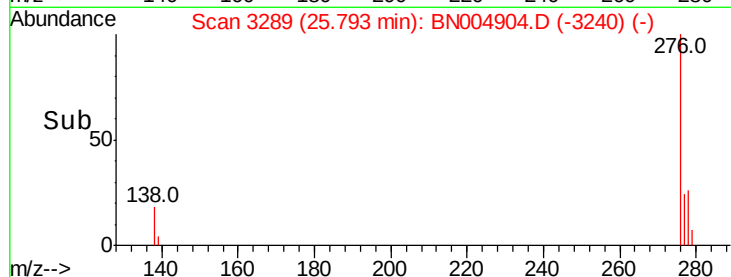
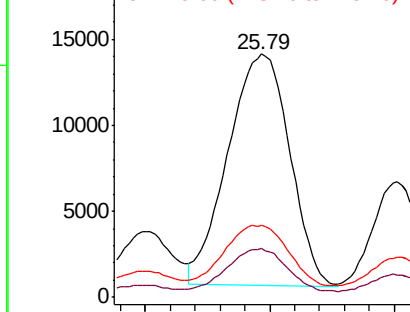


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 1.131 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004904.D

Acq: 23 Mar 2019 02:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.7	29.5
138	19.9	14.6	22.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

