

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004950.D
 Acq On : 24 Mar 2019 21:43
 Operator : JU/SJ
 Sample : K2014-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B025-031919

Manual Integrations
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 3/26/2019 6:33:56 PM

Quant Time: Mar 25 04:10:58 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	7.68	152	3314	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	13000	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6809	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14829	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17176	0.40	ng	-0.01
34) Perylene-d12	23.52	264	18491	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	2649	0.29	ng	0.00
5) Phenol-d6	6.86	99	3225	0.29	ng	-0.02
8) Nitrobenzene-d5	8.84	82	2572	0.30	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	5395	0.24	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1217	0.26	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	7659	0.27	ng	-0.02
25) Fluoranthene-d10	19.12	212	11514	0.23	ng	-0.01
29) Terphenyl-d14	19.71	244	8617	0.25	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	4176	0.115	ng	# 95
12) 2-Methylnaphthalene	12.14	142	3625	0.134	ng	97
16) Acenaphthylene	14.04	152	39067	1.114	ng	99
17) Acenaphthene	14.39	154	1963	0.085	ng	# 92
18) Fluorene	15.38	166	8133	0.254	ng	# 77
23) Phenanthrene	17.12	178	109350	2.284	ng	99
24) Anthracene	17.21	178	24119	0.564	ng	98
26) Fluoranthene	19.15	202	120227	1.954	ng	97
28) Pyrene	19.51	202	188347	3.596	ng	97
30) Benzo(a)anthracene	21.26	228	73441	1.304	ng	92
31) Chrysene	21.31	228	100440	1.693	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	7269	0.323	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	47863	0.558	ng	99
35) Benzo(b)fluoranthene	22.85	252	88252m	1.319	ng	
36) Benzo(k)fluoranthene	22.88	252	26264m	0.399	ng	
37) Benzo(a)pyrene	23.42	252	68995	1.124	ng	# 96
38) Dibenzo(a,h)anthracene	25.80	278	14970	0.211	ng	# 60
39) Benzo(g,h,i)perylene	26.49	276	54868	0.758	ng	# 94

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

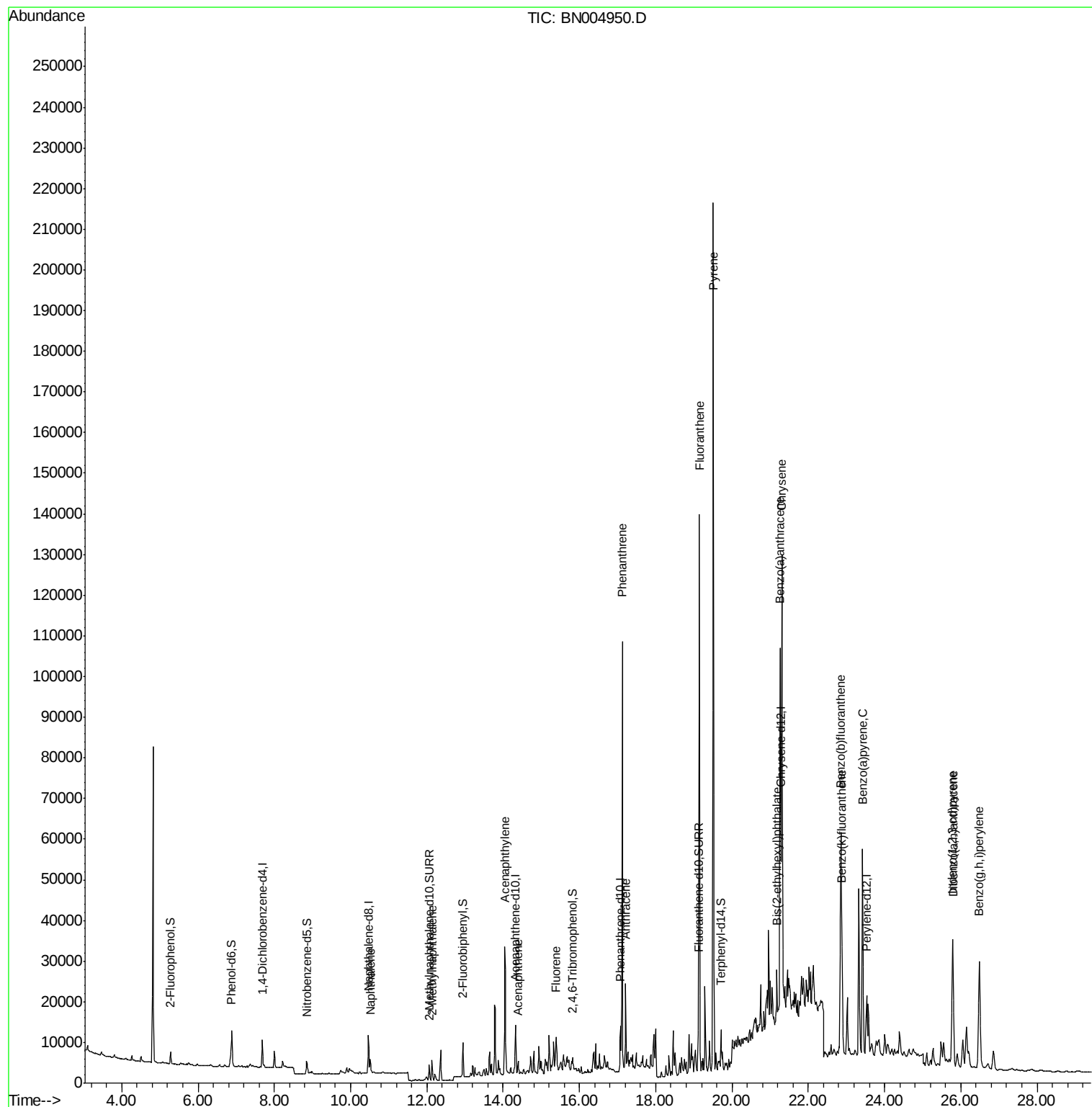
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
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Sample : K2014-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

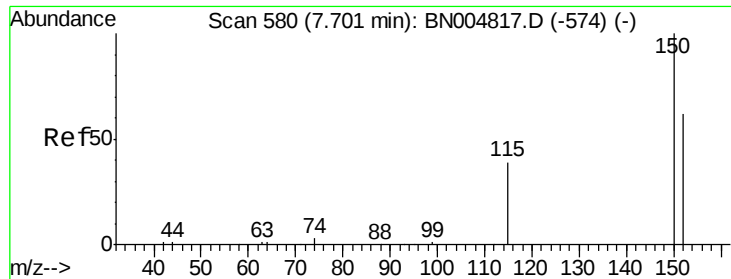
Instrument :
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PST-026-B025-031919

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Quant Time: Mar 25 04:10:58 2019
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#1

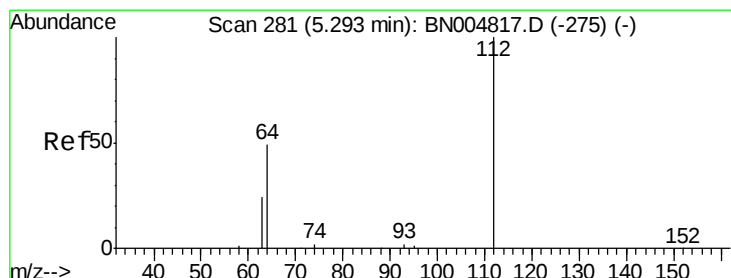
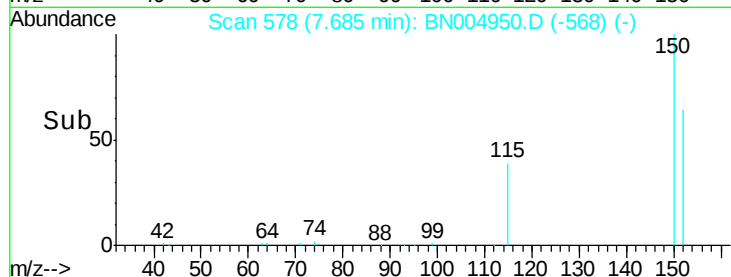
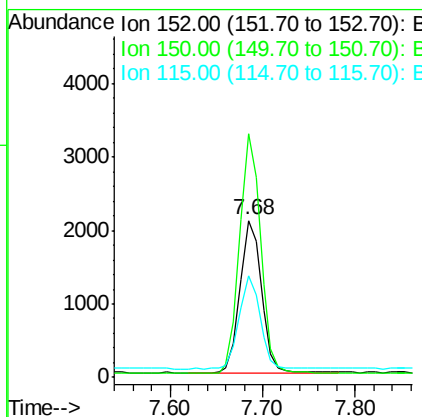
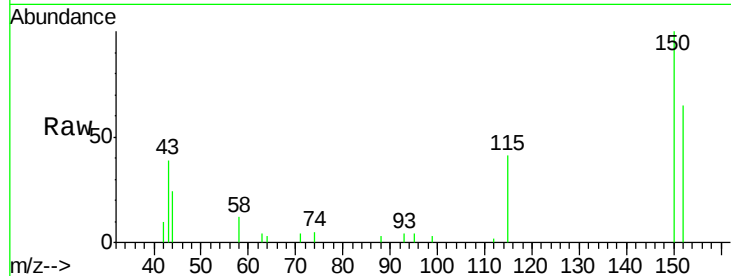
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Instrument :
BNA_N
ClientSampleId :
PST-026-B025-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.4
115	64.2	52.6	79.0

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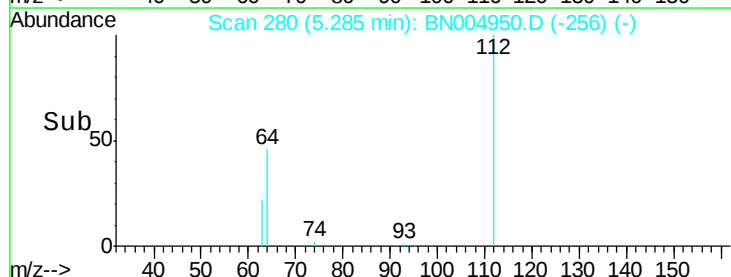
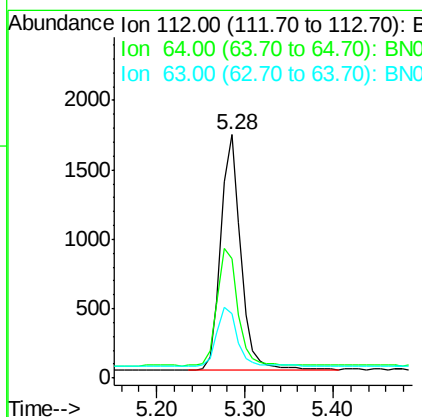
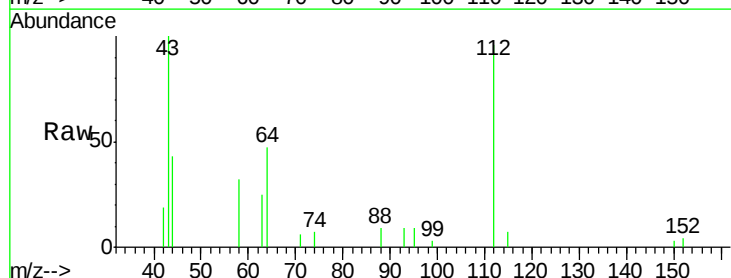
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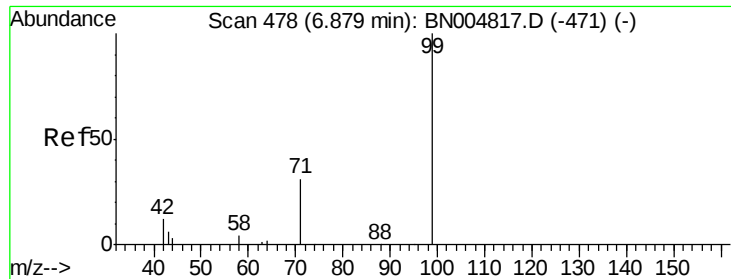


#4

2-Fluorophenol
Concen: 0.294 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	40.0	60.0
63	27.0	20.2	30.2





#5

Phenol-d6

Concen: 0.288 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004950.D

Acq: 24 Mar 2019 21:43

Instrument :

BNA_N

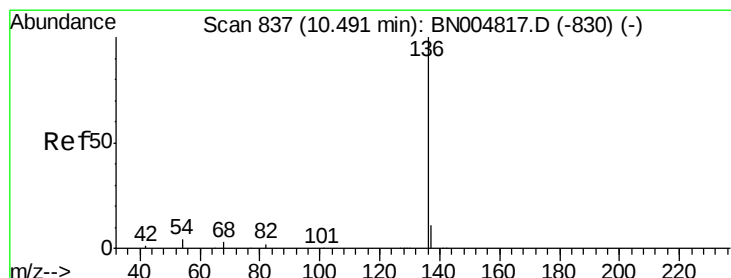
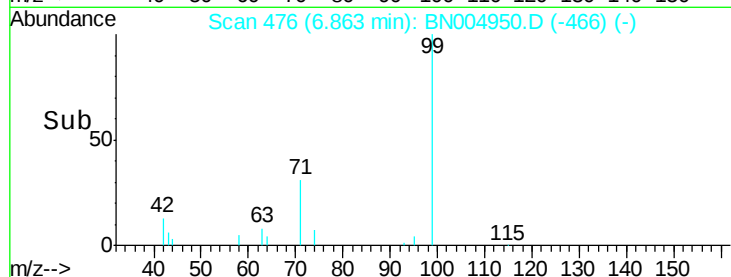
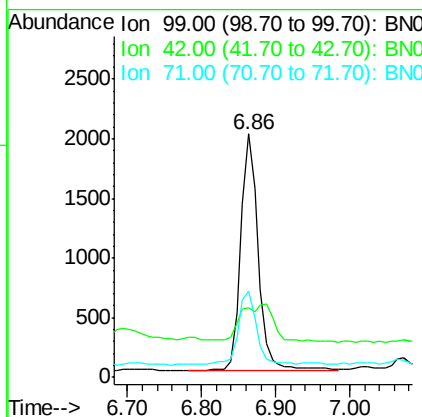
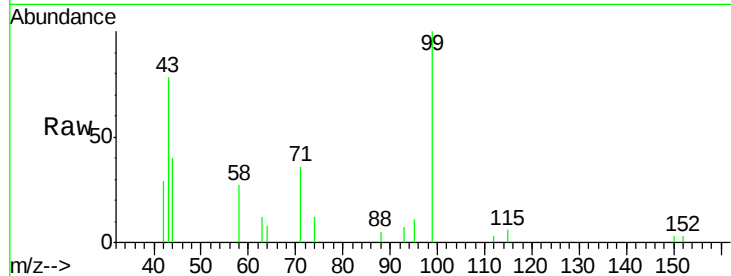
ClientSampleId :

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Tgt Ion:	99	Resp:	3225
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.7	19.1#
71	32.6	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

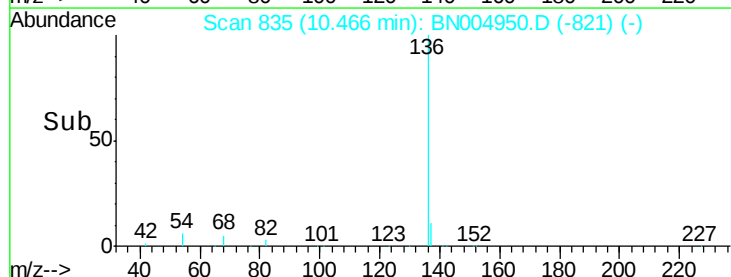
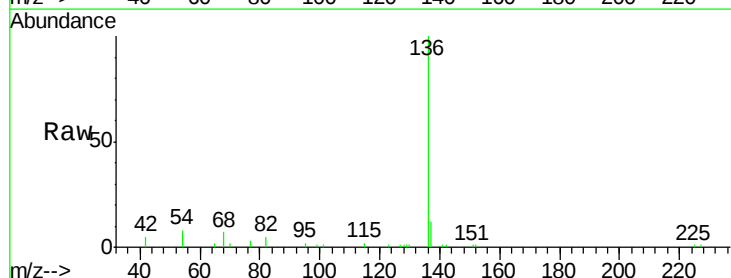
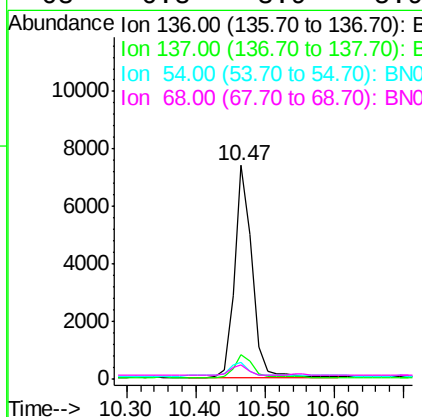
RT: 10.47 min Scan# 835

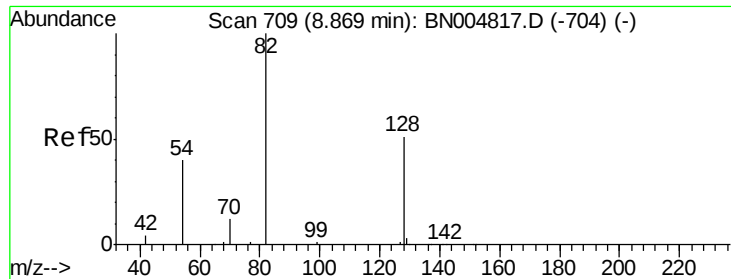
Delta R.T. -0.03 min

Lab File: BN004950.D

Acq: 24 Mar 2019 21:43

Tgt Ion:	136	Resp:	13000
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.6	14.4
54	7.6	4.2	6.2#
68	6.8	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.299 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004950.D

Acq: 24 Mar 2019 21:43

Instrument :

BNA_N

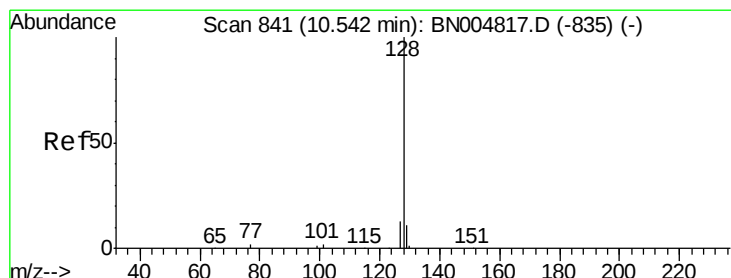
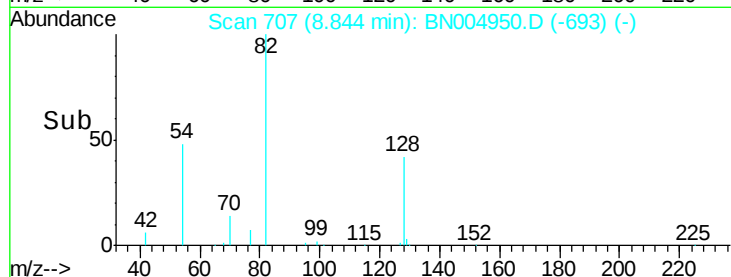
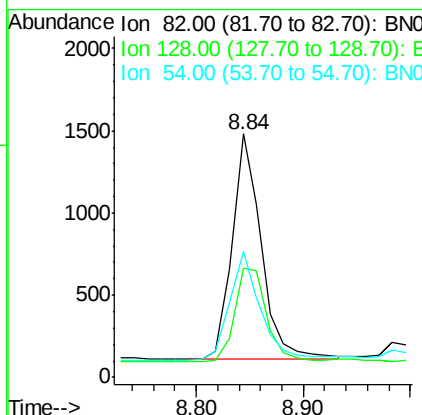
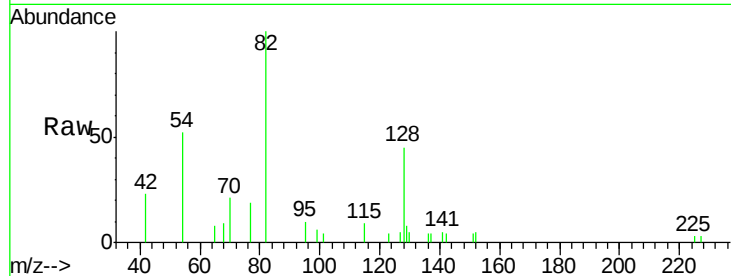
ClientSampleId :

PST-026-B025-031919

Tgt Ion:	82	Resp:	2572
Ion	Ratio	Lower	Upper
82	100		
128	44.9	43.0	64.6
54	51.6	35.3	52.9

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#9

Naphthalene

Concen: 0.115 ng

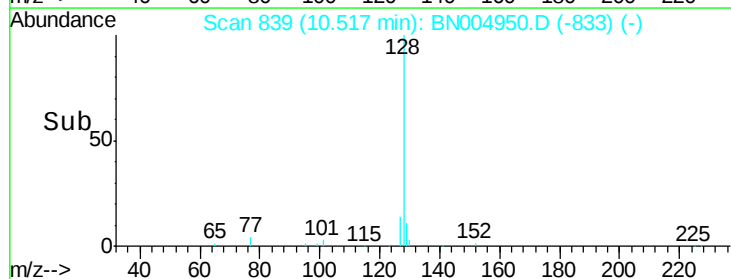
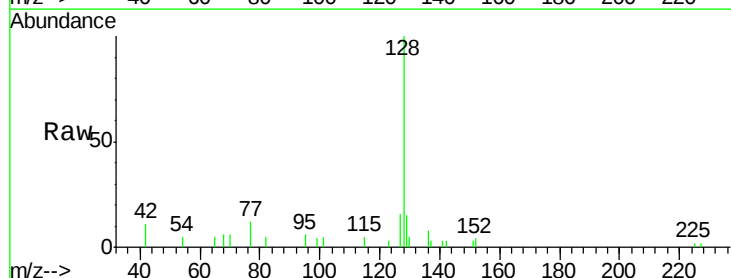
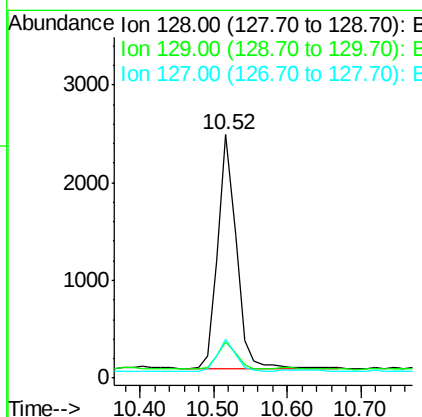
RT: 10.52 min Scan# 839

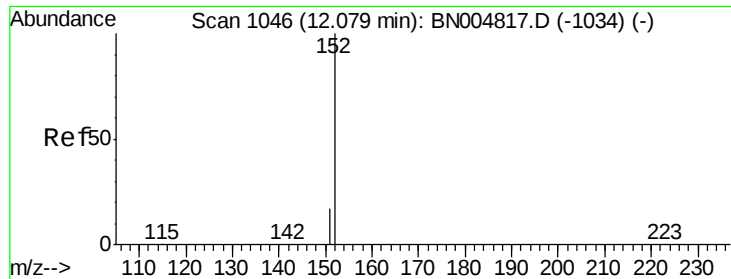
Delta R.T. -0.03 min

Lab File: BN004950.D

Acq: 24 Mar 2019 21:43

Tgt Ion:	128	Resp:	4176
Ion	Ratio	Lower	Upper
128	100		
129	14.9	9.9	14.9#
127	15.8	11.3	16.9





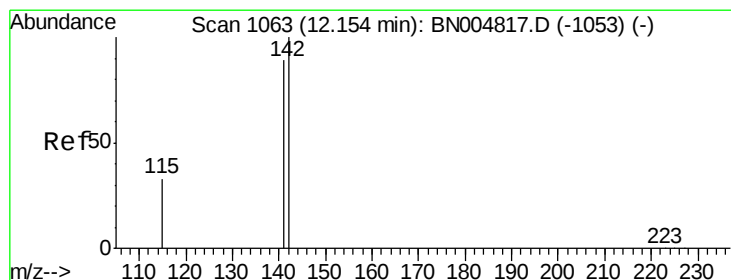
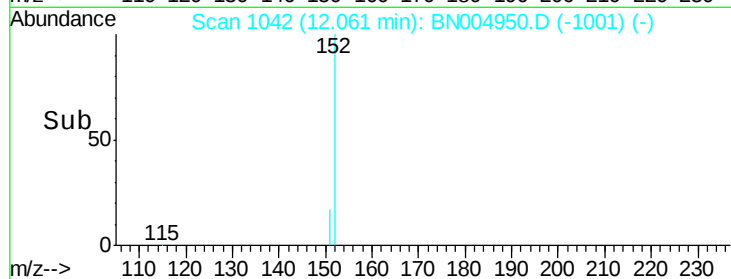
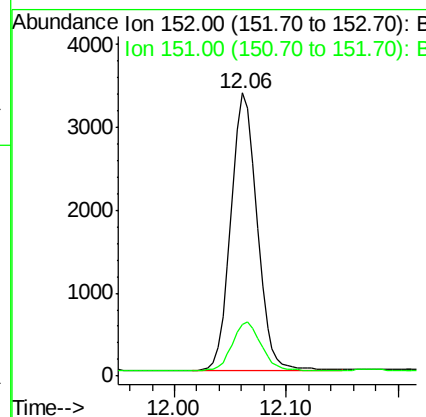
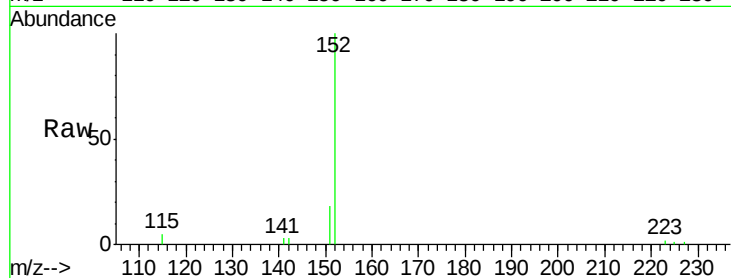
#11
2-Methylnaphthalene-d10
Concen: 0.238 ng
RT: 12.06 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Instrument :
BNA_N
ClientSampleId :
PST-026-B025-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.5	23.3

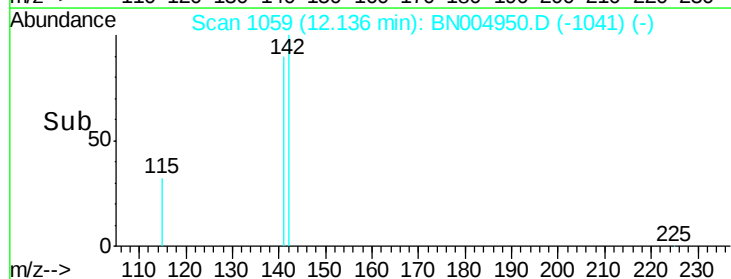
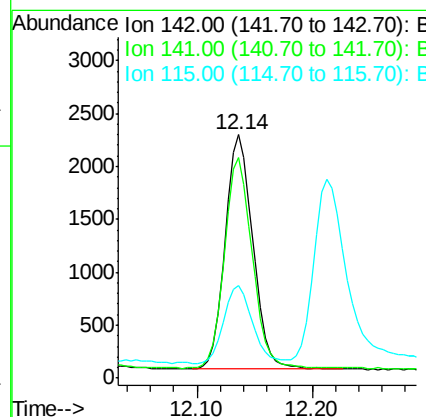
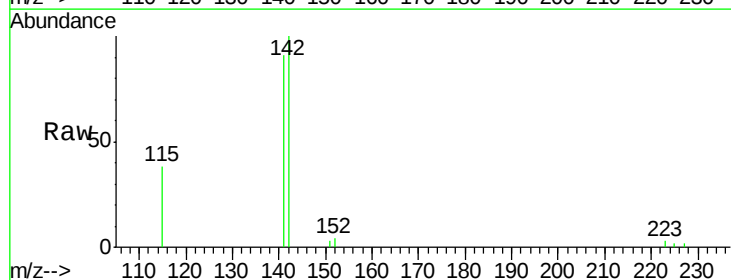
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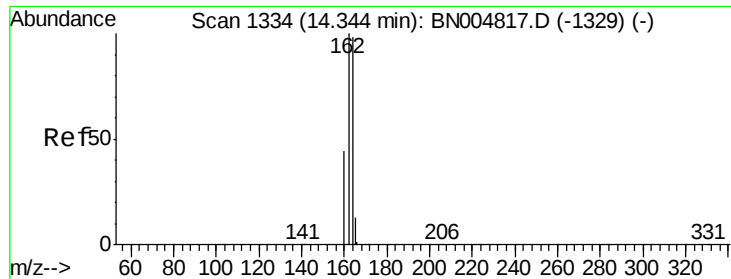
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#12
2-Methylnaphthalene
Concen: 0.134 ng
RT: 12.14 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.4	107.2
115	38.0	27.5	41.3





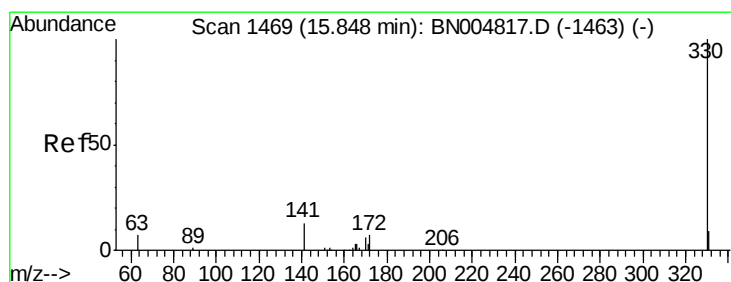
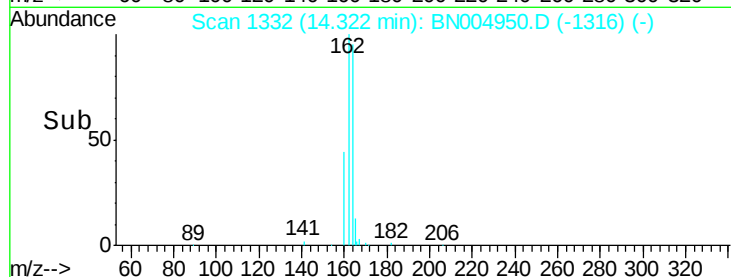
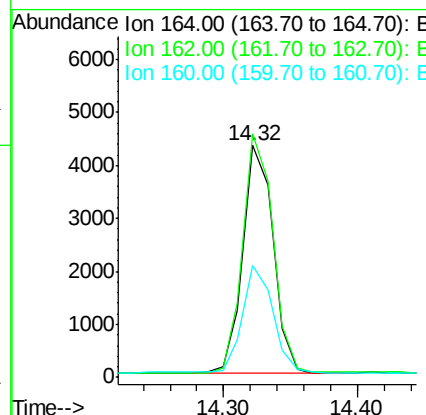
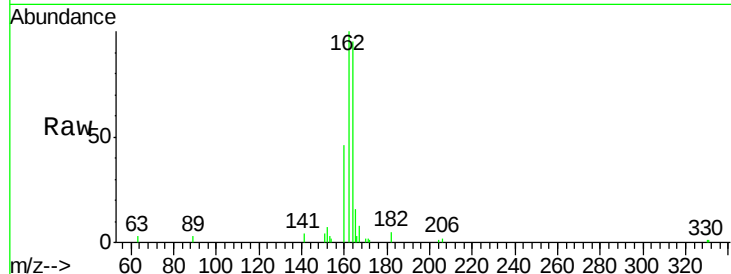
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Instrument :
BNA_N
ClientSampleId :
PST-026-B025-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	81.9	122.9
160	48.3	36.6	54.8

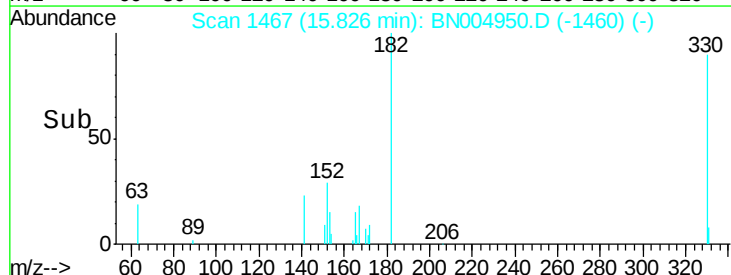
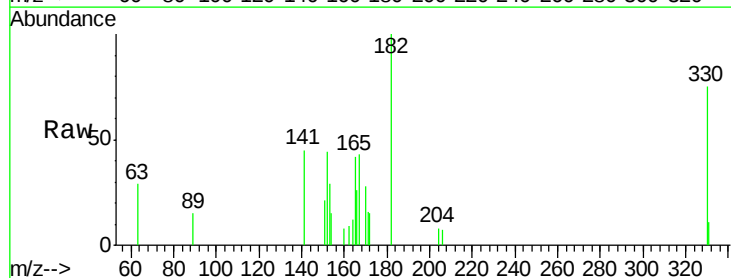
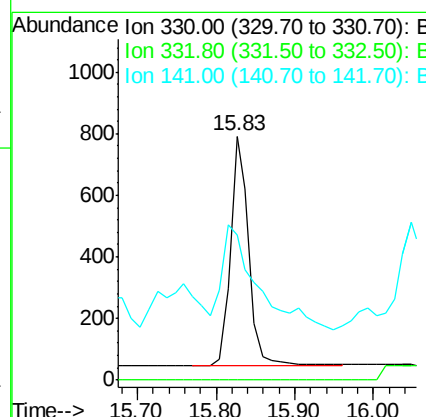
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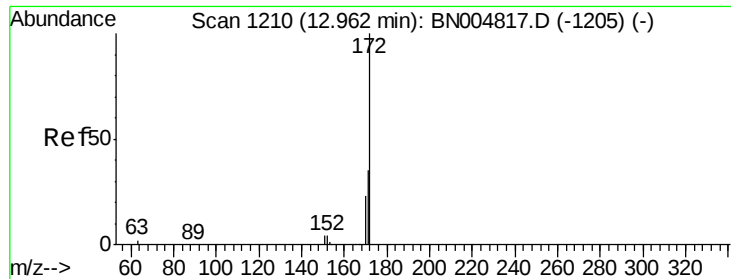
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#14
2,4,6-Tribromophenol
Concen: 0.259 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	86.9	20.9	31.3#





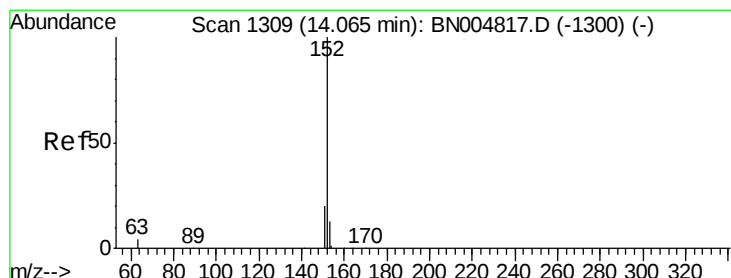
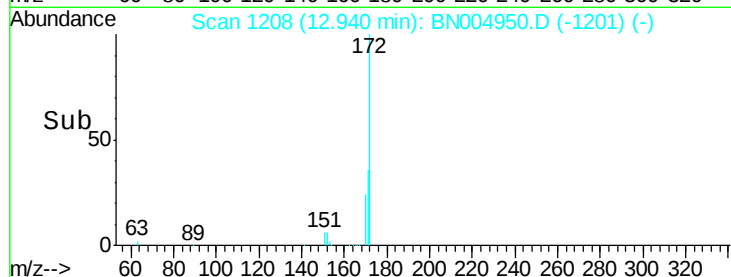
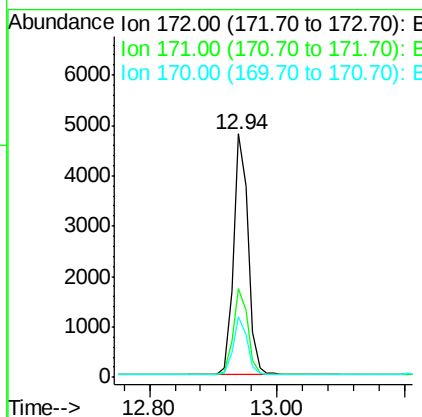
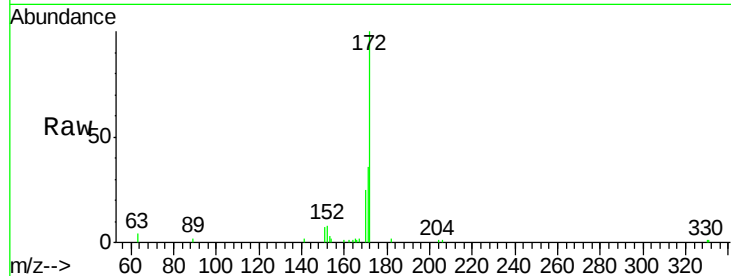
#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Instrument :
BNA_N
ClientSampleId :
PST-026-B025-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.7	43.1
170	24.9	18.7	28.1

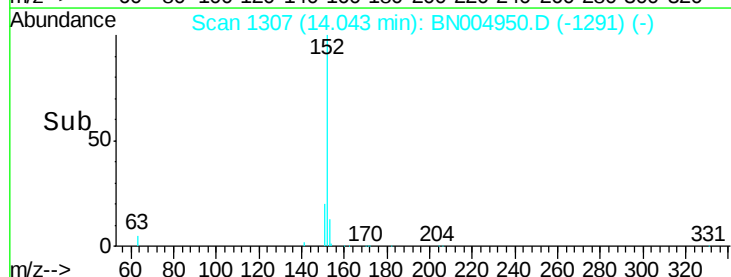
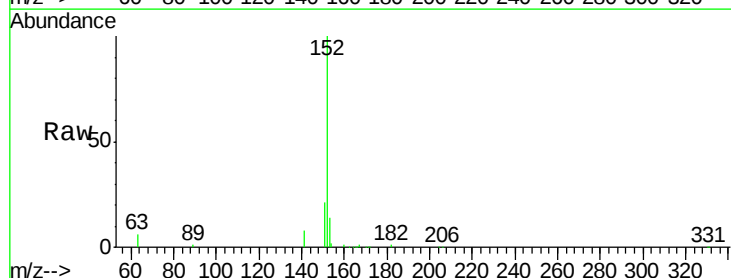
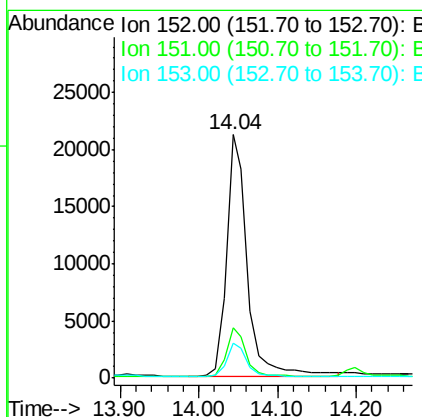
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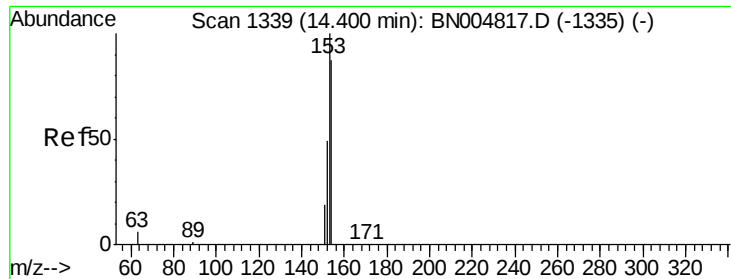
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#16
Acenaphthylene
Concen: 1.114 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.7	10.5	15.7





#17

Acenaphthene

Concen: 0.085 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004950.D

Acq: 24 Mar 2019 21:43

Instrument :

BNA_N

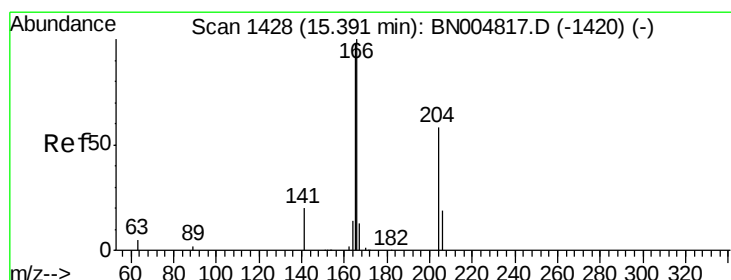
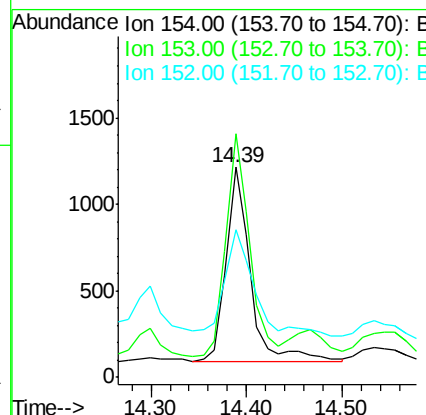
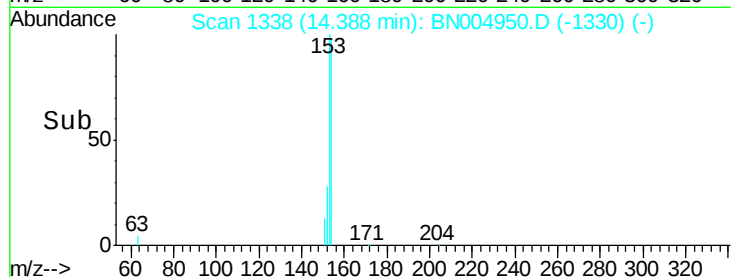
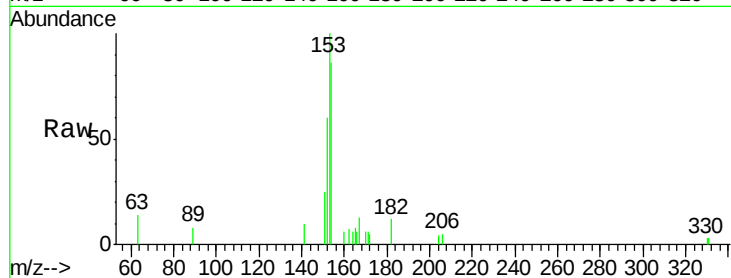
ClientSampleId :

PST-026-B025-031919

Tgt Ion:	154	Resp:	1963
Ion Ratio	Lower	Upper	
154	100		
153	111.4	91.4	137.2
152	68.8	44.2	66.2#

Manual Integrations
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#18

Fluorene

Concen: 0.254 ng

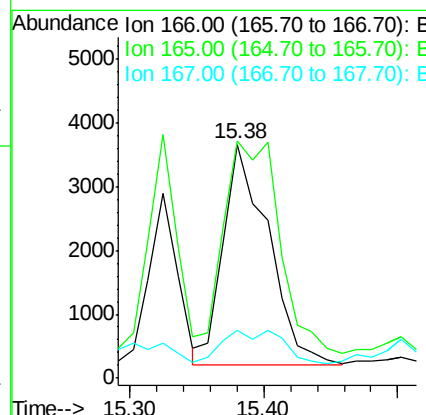
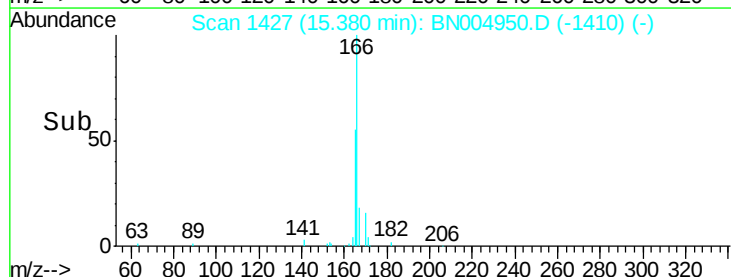
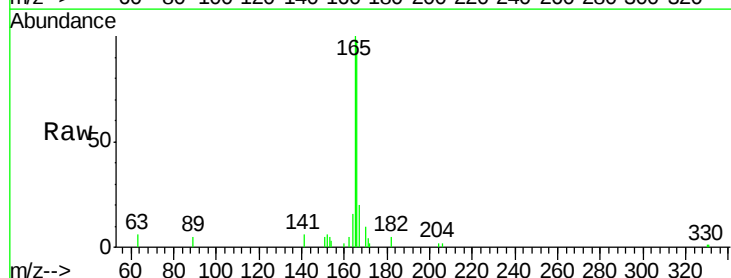
RT: 15.38 min Scan# 1427

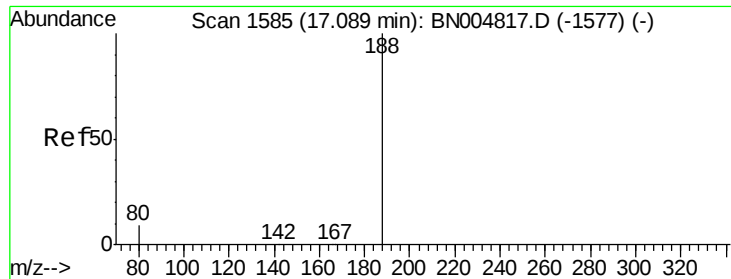
Delta R.T. -0.01 min

Lab File: BN004950.D

Acq: 24 Mar 2019 21:43

Tgt Ion:	166	Resp:	8133
Ion Ratio	Lower	Upper	
166	100		
165	119.0	78.2	117.4#
167	0.0	11.0	16.4#





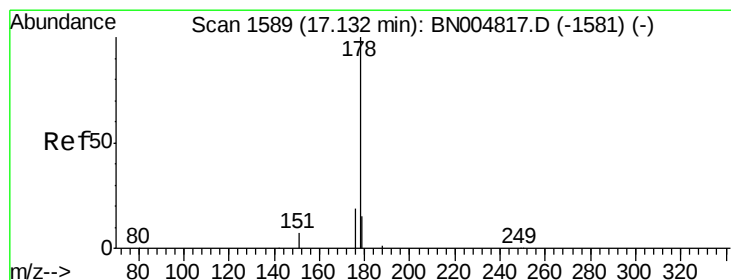
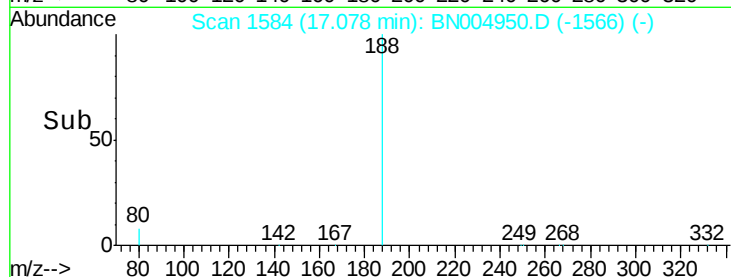
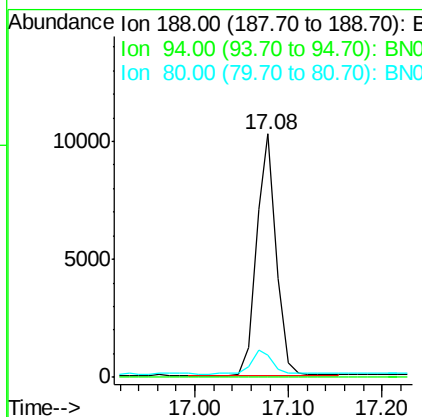
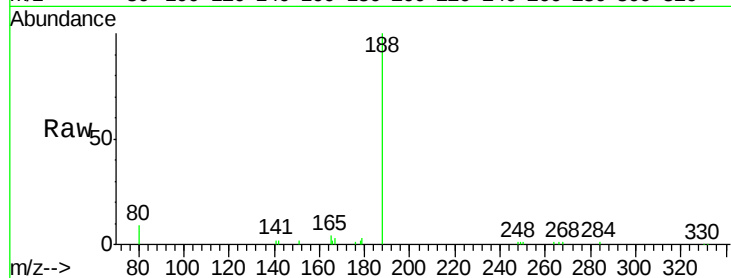
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Instrument :
BNA_N
ClientSampleId :
PST-026-B025-031919

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	14829		
94	0.0	0.0	0.0	
80	9.2	7.4	11.2	

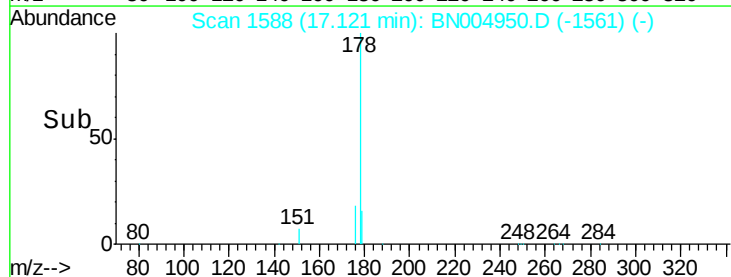
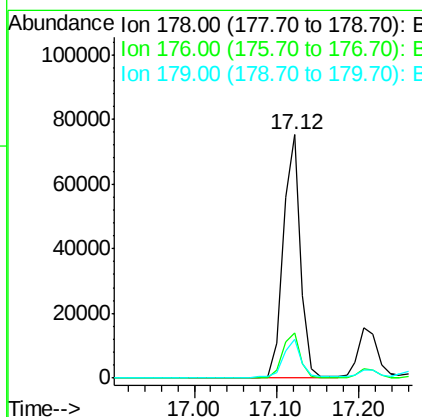
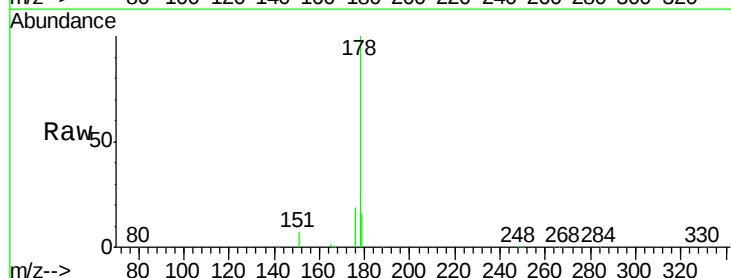
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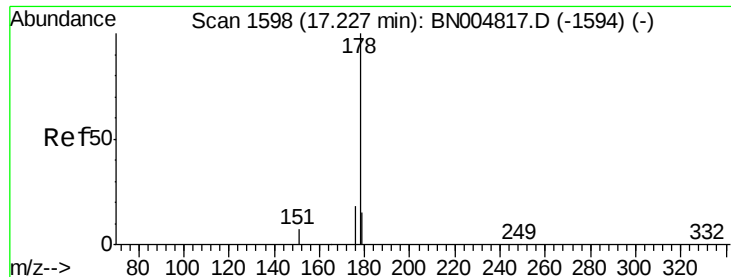
Sohil
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#23
Phenanthrene
Concen: 2.284 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	109350		
176	18.8	14.9	22.3	
179	15.8	12.1	18.1	





#24

Anthracene

Concen: 0.564 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004950.D

Acq: 24 Mar 2019 21:43

Instrument :

BNA_N

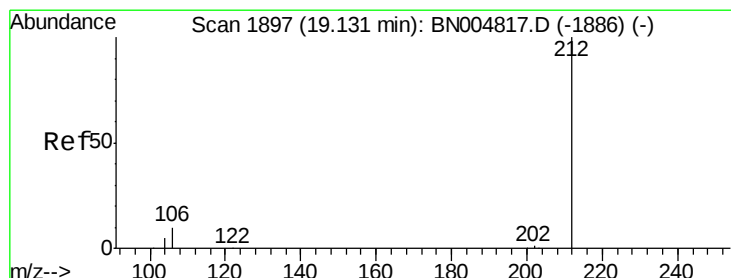
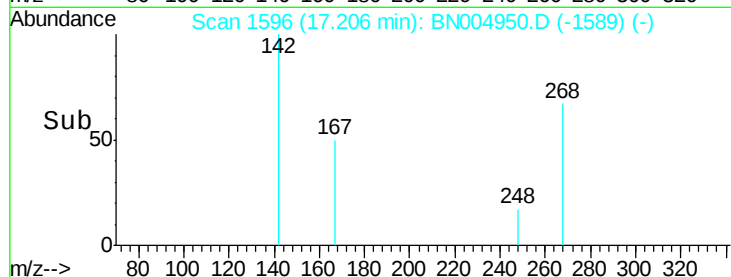
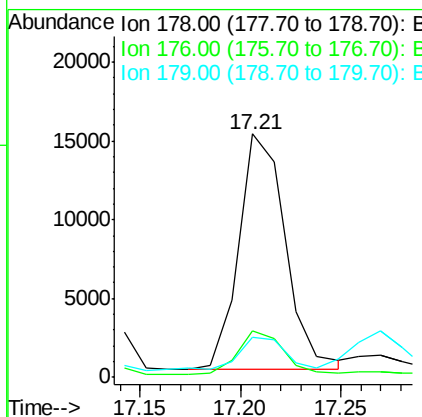
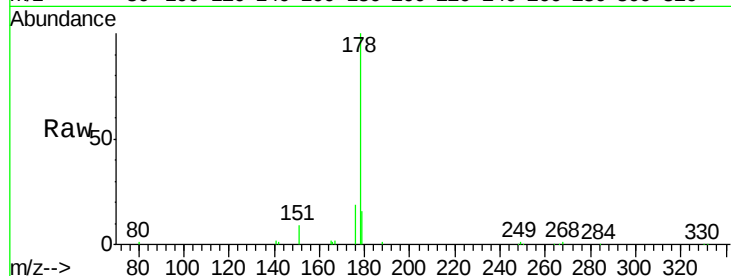
ClientSampleId :

PST-026-B025-031919

Tgt Ion:	178	Resp:	24119
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.5	21.7
179	13.4	12.2	18.4

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3/26/2019 6:33:56 PM



#25

Fluoranthene-d10

Concen: 0.232 ng

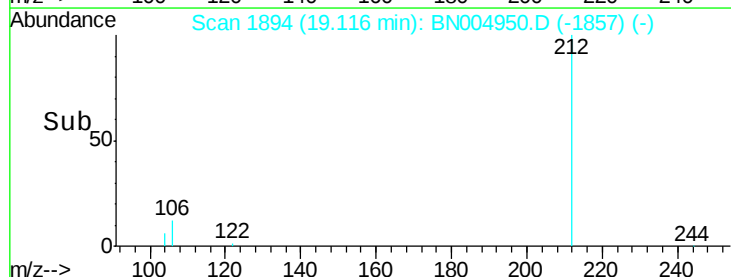
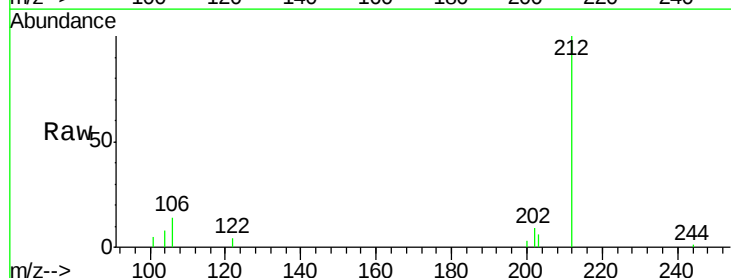
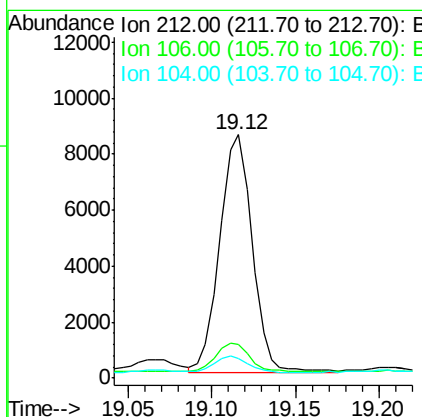
RT: 19.12 min Scan# 1894

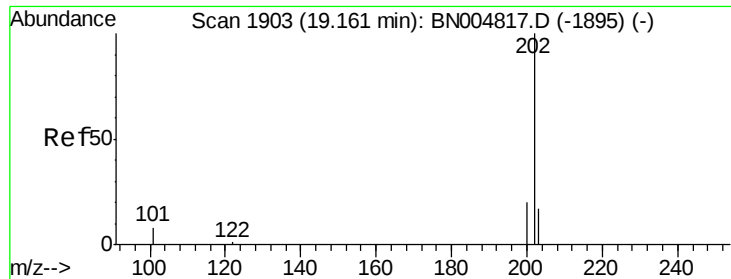
Delta R.T. -0.01 min

Lab File: BN004950.D

Acq: 24 Mar 2019 21:43

Tgt Ion:	212	Resp:	11514
Ion Ratio	Lower	Upper	
212	100		
106	12.6	8.6	13.0
104	7.2	4.7	7.1#





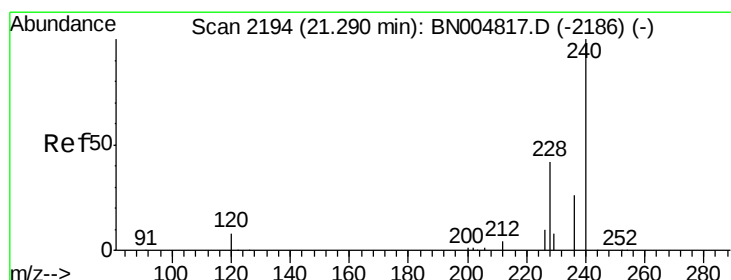
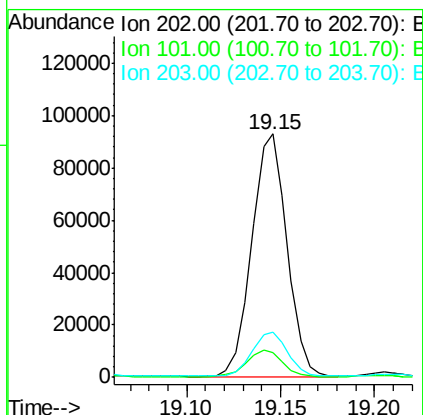
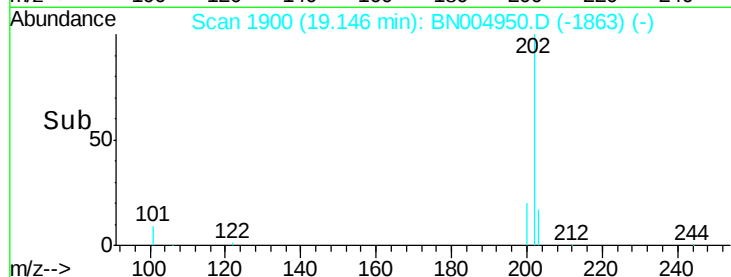
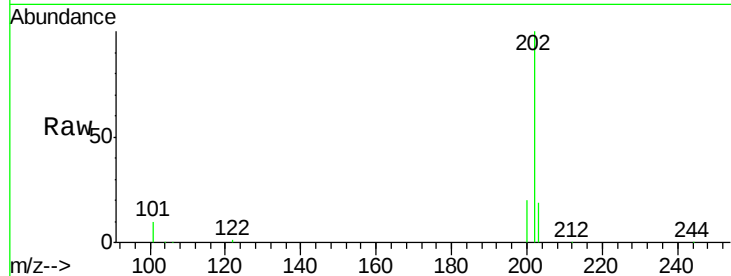
#26
 Fluoranthene
 Concen: 1.954 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004950.D
 Acq: 24 Mar 2019 21:43

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B025-031919

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.1	7.5	11.3
203	18.2	13.8	20.6

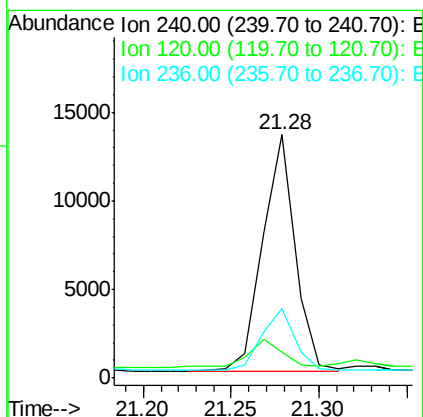
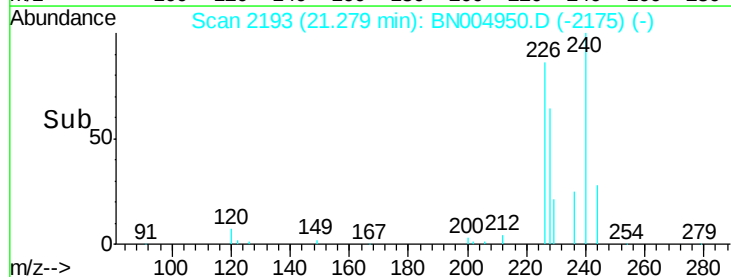
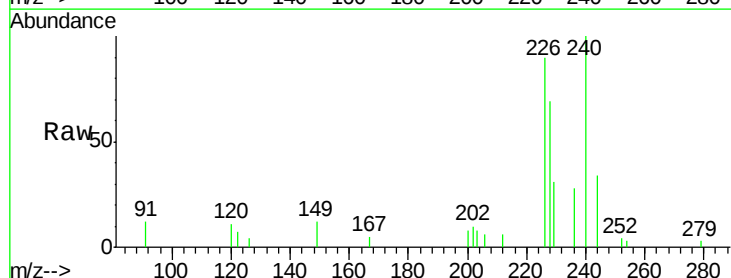
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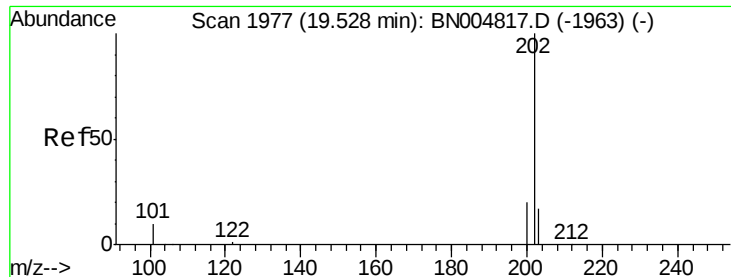
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004950.D
 Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.6	7.2	10.8
236	28.3	20.9	31.3





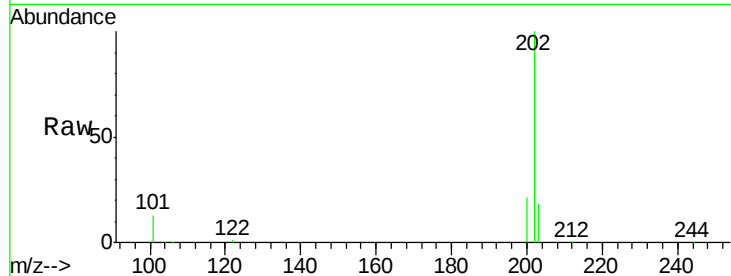
#28
 Pyrene
 Concen: 3.596 ng
 RT: 19.51 min Scan# 1973
 Delta R.T. -0.02 min
 Lab File: BN004950.D
 Acq: 24 Mar 2019 21:43

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B025-031919

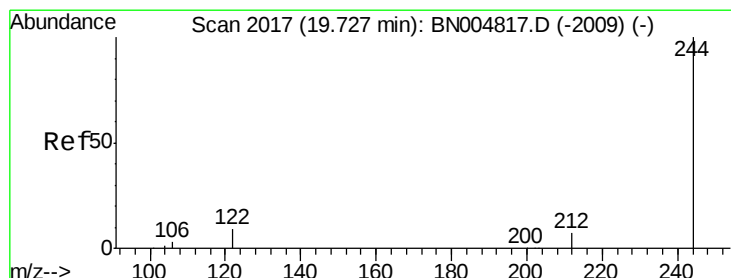
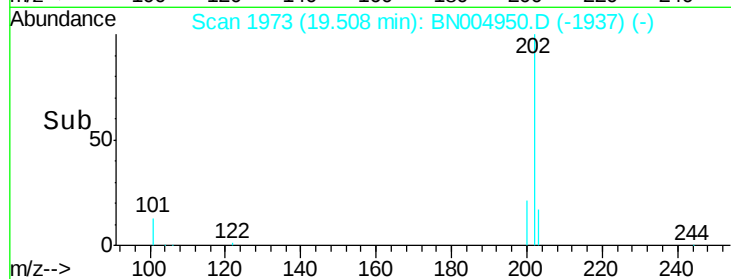
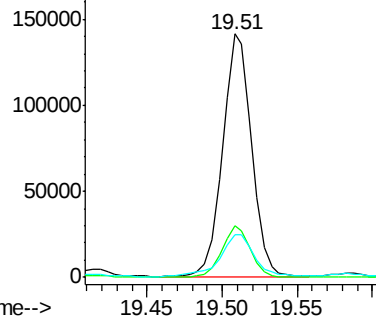
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	16.3	24.5
203	20.0	14.0	21.0

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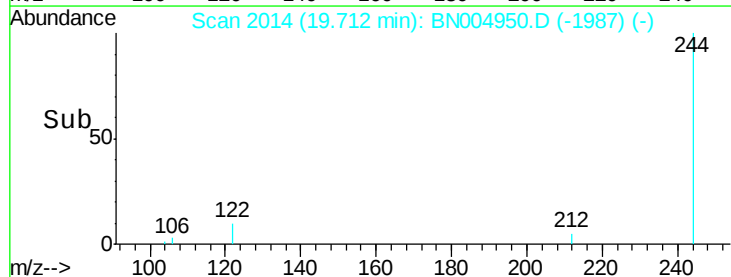
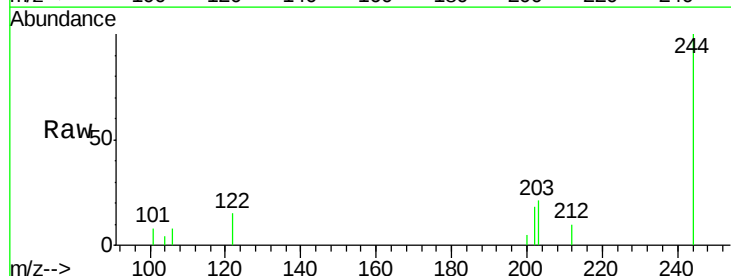
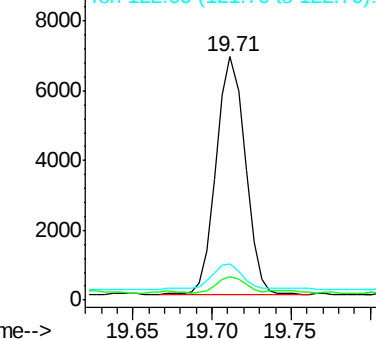
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

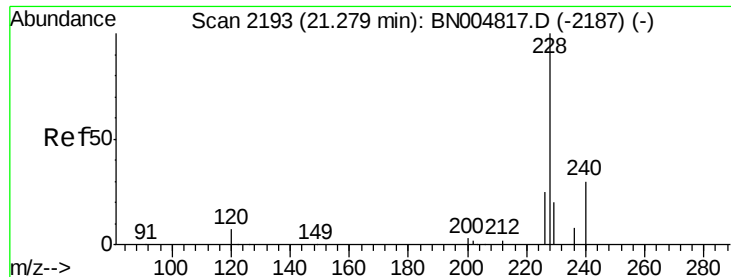


#29
 Terphenyl-d14
 Concen: 0.245 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BN004950.D
 Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.8	5.8	8.6#
122	14.9	7.9	11.9#

Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





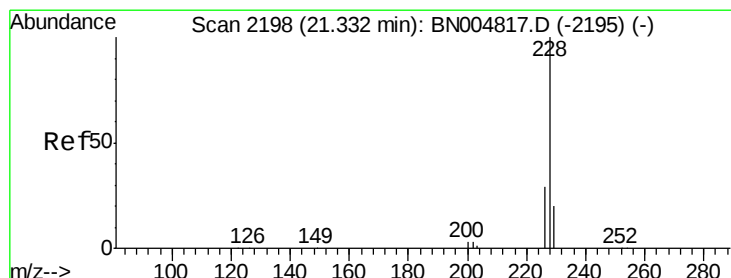
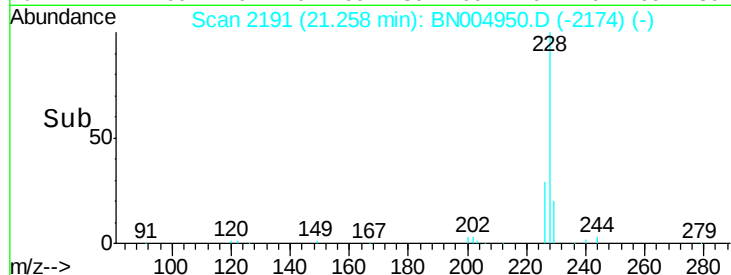
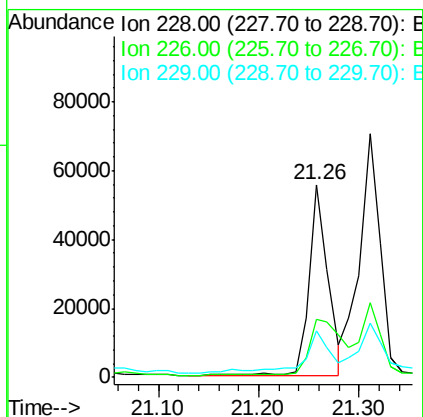
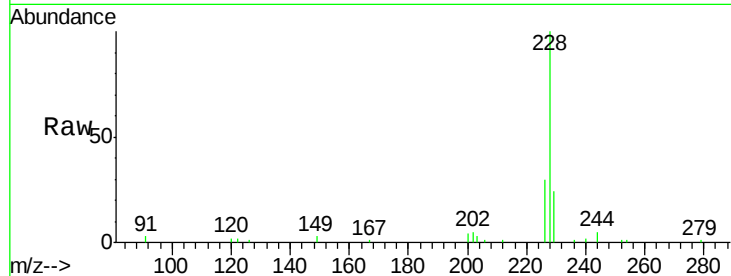
#30
Benzo(a)anthracene
Concen: 1.304 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Instrument :
BNA_N
ClientSampleId :
PST-026-B025-031919

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	20.6	31.0
229	23.8	16.2	24.4

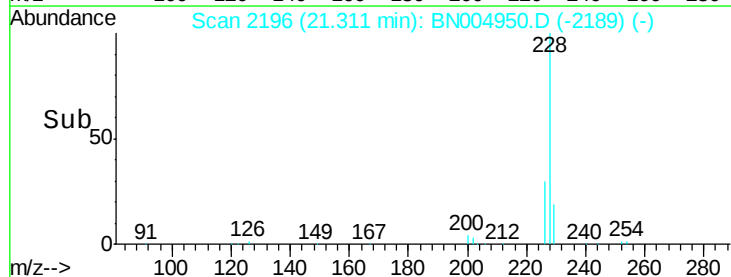
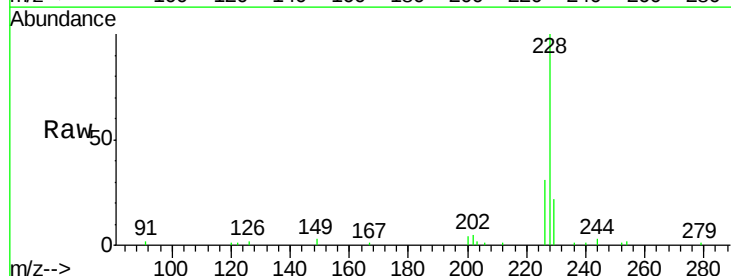
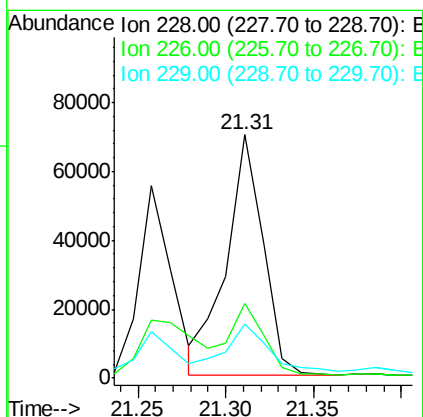
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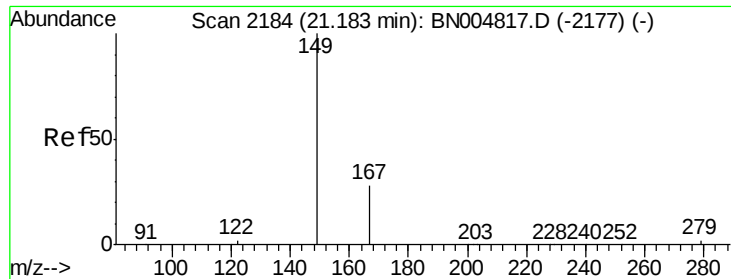
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3/26/2019 6:33:56 PM



#31
Chrysene
Concen: 1.693 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.0	34.6
229	22.3	16.2	24.2





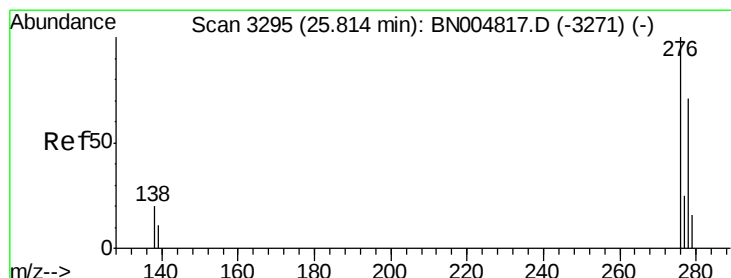
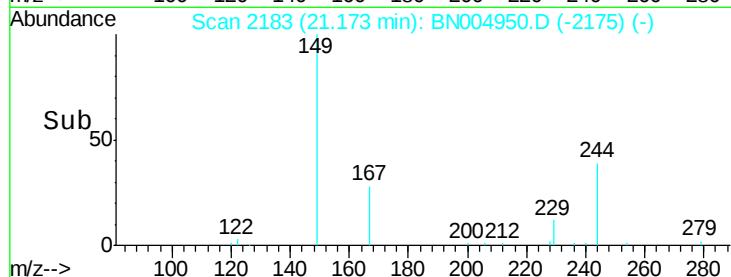
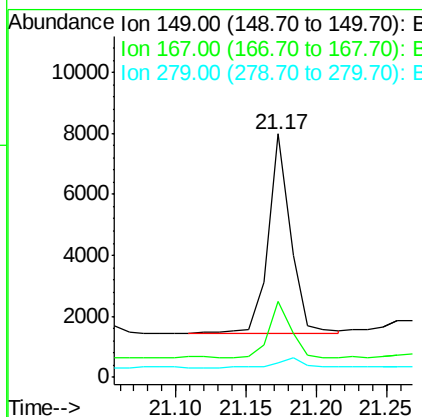
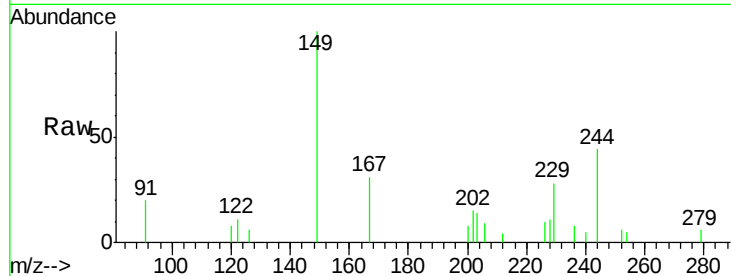
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.323 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004950.D
 Acq: 24 Mar 2019 21:43

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B025-031919

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	23.0	34.4
279	6.2	4.6	6.8

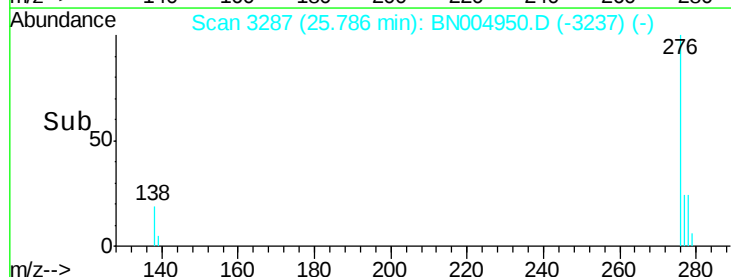
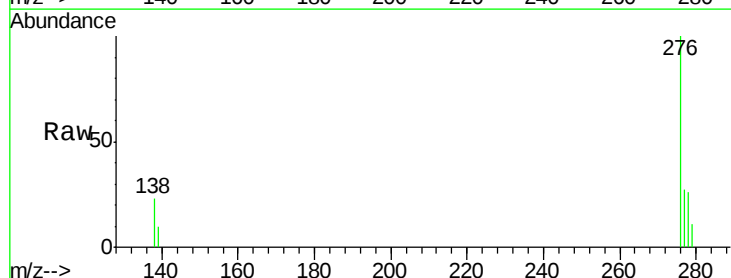
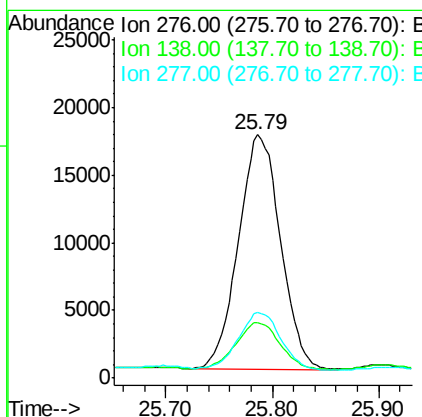
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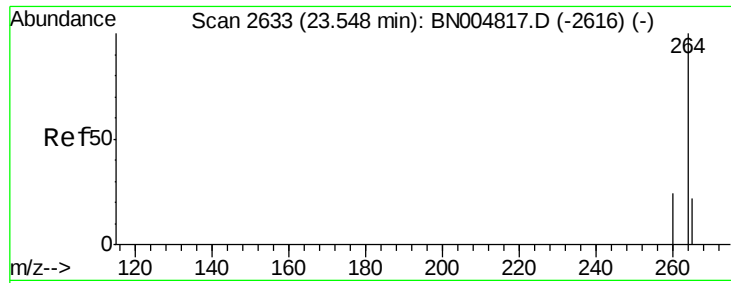
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.558 ng
 RT: 25.79 min Scan# 3287
 Delta R.T. -0.03 min
 Lab File: BN004950.D
 Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.6	24.8
277	25.1	20.3	30.5





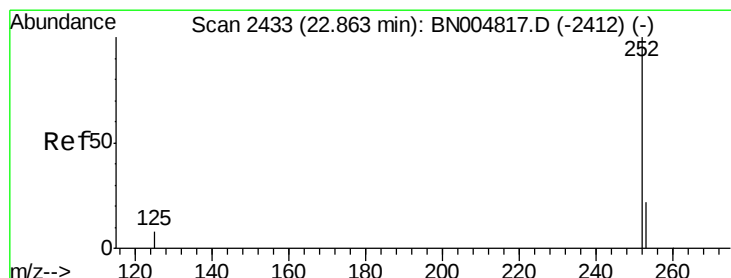
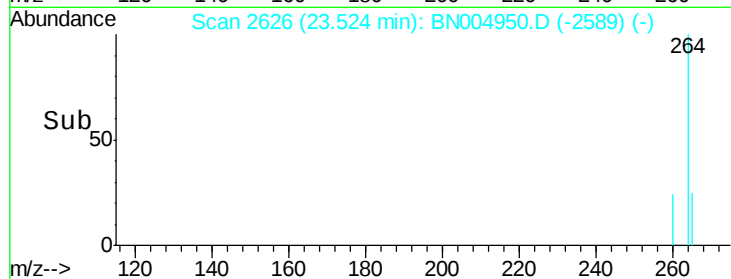
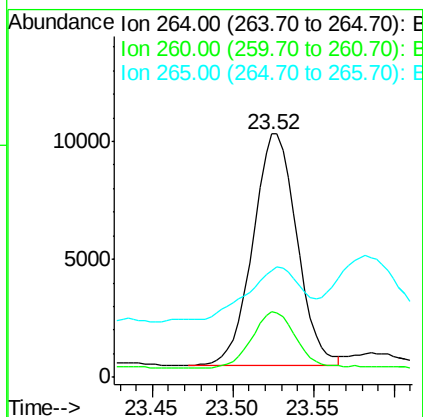
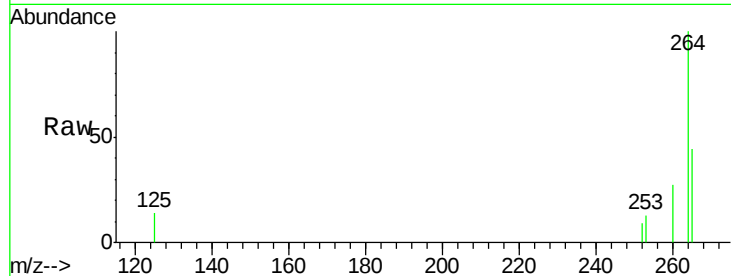
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.52 min Scan# 2626
 Delta R.T. -0.02 min
 Lab File: BN004950.D
 Acq: 24 Mar 2019 21:43

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B025-031919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.8	19.5	29.3
265	44.0	23.1	34.7

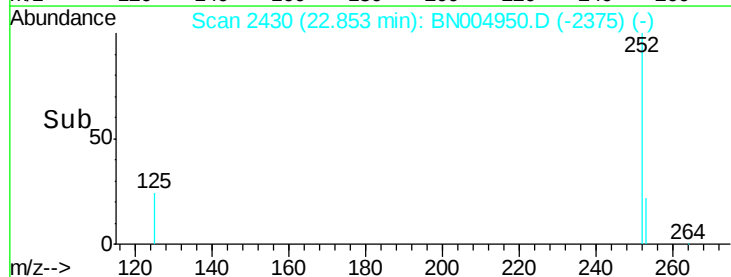
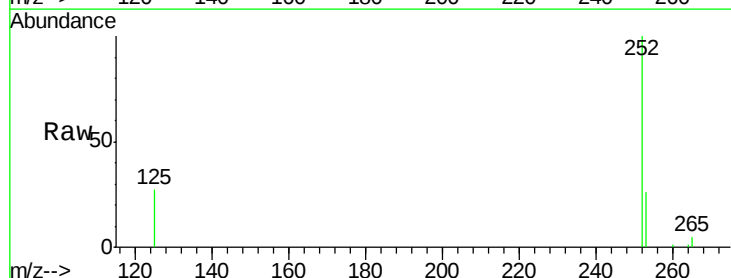
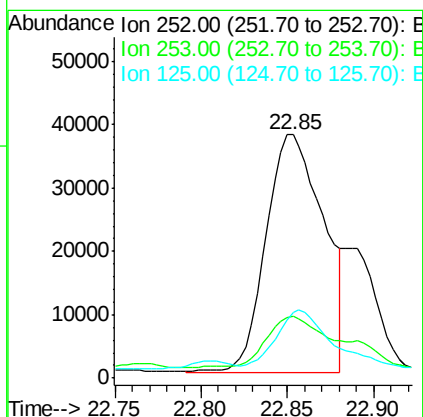
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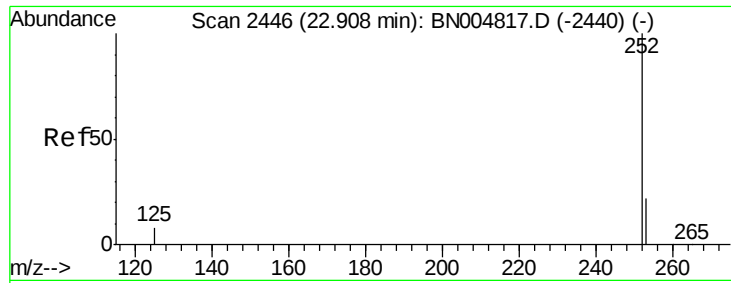
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#35
 Benzo(b)fluoranthene
 Concen: 1.319 ng m
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004950.D
 Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.0	28.4
125	26.9	7.4	11.2





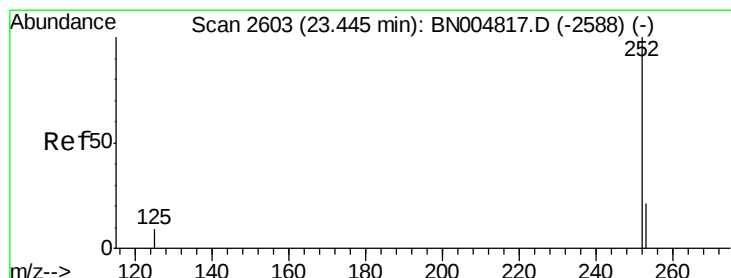
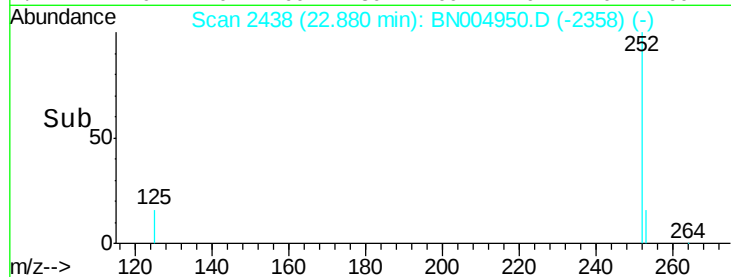
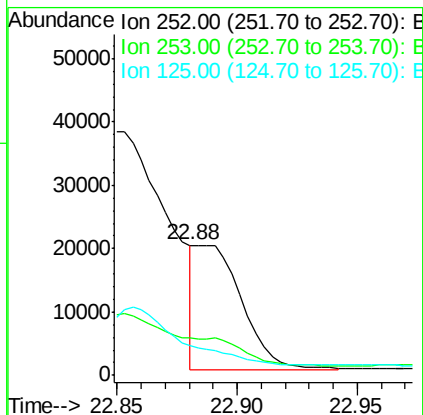
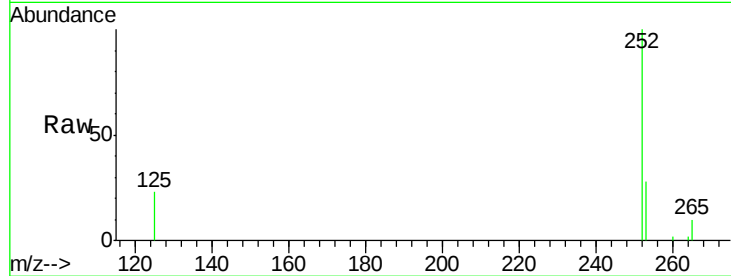
#36
Benzo(k)fluoranthene
Concen: 0.399 ng m
RT: 22.88 min Scan# 2438
Delta R.T. -0.03 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Instrument :
BNA_N
ClientSampleId :
PST-026-B025-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	19.3	28.9
125	22.6	7.4	11.0#

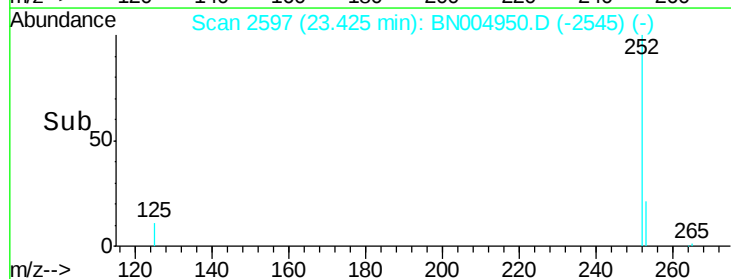
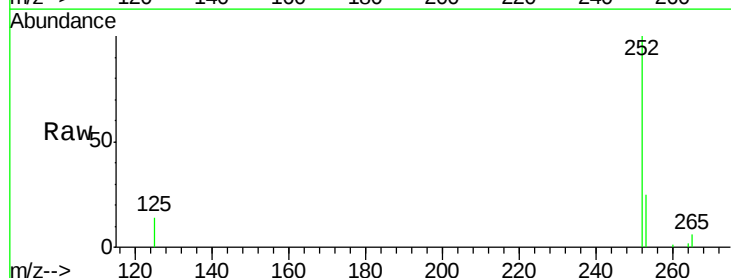
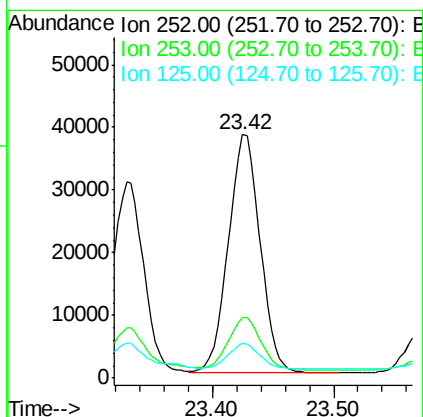
Manual Integrations
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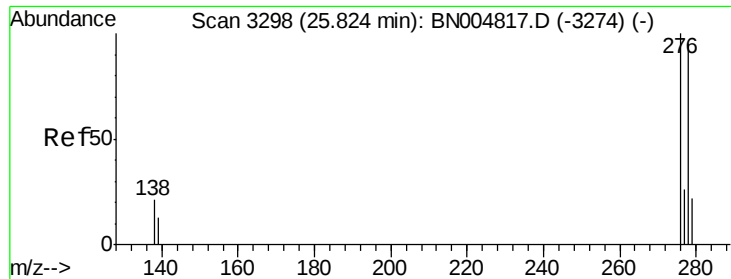
Sohil
3/26/2019 6:33:56 PM



#37
Benzo(a)pyrene
Concen: 1.124 ng
RT: 23.42 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.7	29.5
125	14.1	8.3	12.5#





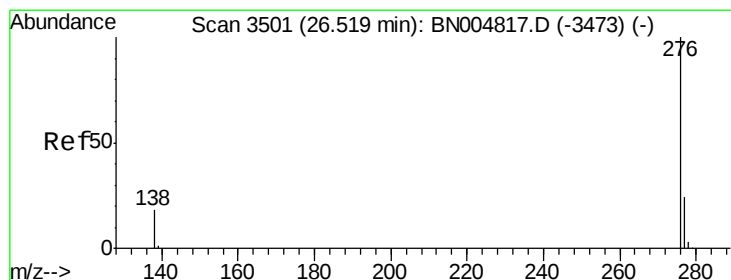
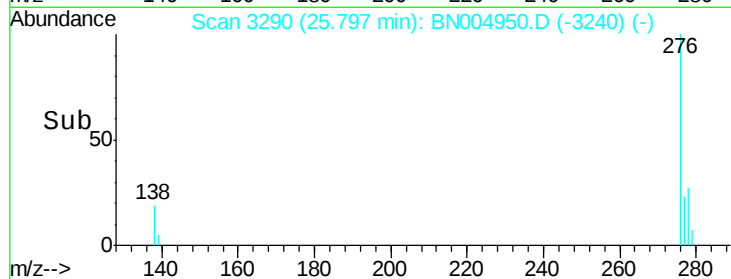
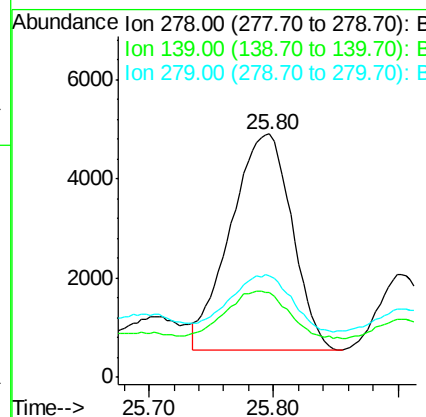
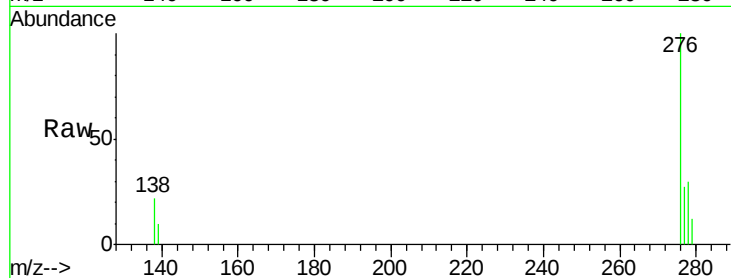
#38
Dibenzo(a,h)anthracene
Concen: 0.211 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Instrument :
BNA_N
ClientSampleId :
PST-026-B025-031919

Tgt Ion: 278 Resp: 14970
Ion Ratio Lower Upper
278 100
139 35.1 11.7 17.5#
279 41.9 19.9 29.9#

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 0.758 ng
RT: 26.49 min Scan# 3492
Delta R.T. -0.03 min
Lab File: BN004950.D
Acq: 24 Mar 2019 21:43

Tgt Ion: 276 Resp: 54868
Ion Ratio Lower Upper
276 100
277 26.1 19.7 29.5
138 22.3 14.6 22.0#

