

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004948.D
 Acq On : 24 Mar 2019 20:32
 Operator : JU/SJ
 Sample : K2014-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW037-031819

Manual Integrations
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Quant Time: Mar 25 04:08:40 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	3251	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	13076	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6715	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14408	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16939	0.40	ng	-0.01
34) Perylene-d12	23.53	264	17814	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	4057	0.46	ng	0.00
5) Phenol-d6	6.86	99	5083	0.46	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3984	0.46	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7343	0.32	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1827	0.39	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	10189	0.37	ng	-0.02
25) Fluoranthene-d10	19.12	212	12747	0.26	ng	-0.01
29) Terphenyl-d14	19.71	244	9385	0.27	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	1477	0.040	ng	# 85
12) 2-Methylnaphthalene	12.14	142	1057	0.039	ng	# 90
16) Acenaphthylene	14.04	152	16683	0.482	ng	99
17) Acenaphthene	14.39	154	1772	0.078	ng	# 92
18) Fluorene	15.38	166	5789	0.183	ng	# 93
23) Phenanthrene	17.12	178	105417	2.266	ng	99
24) Anthracene	17.21	178	19988	0.481	ng	99
26) Fluoranthene	19.15	202	142770	2.388	ng	98
28) Pyrene	19.51	202	148246	2.870	ng	97
30) Benzo(a)anthracene	21.26	228	73510	1.323	ng	94
31) Chrysene	21.31	228	65011	1.111	ng	95
32) Bis(2-ethylhexyl)phthalate	21.17	149	8133	0.366	ng	97
33) Indeno(1,2,3-cd)pyrene	25.79	276	42392	0.501	ng	99
35) Benzo(b)fluoranthene	22.85	252	79781	1.238	ng	# 91
36) Benzo(k)fluoranthene	22.89	252	22415m	0.354	ng	
37) Benzo(a)pyrene	23.43	252	60084	1.016	ng	# 95
38) Dibenzo(a,h)anthracene	25.80	278	11870	0.173	ng	# 61
39) Benzo(g,h,i)perylene	26.49	276	44892	0.644	ng	# 94

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

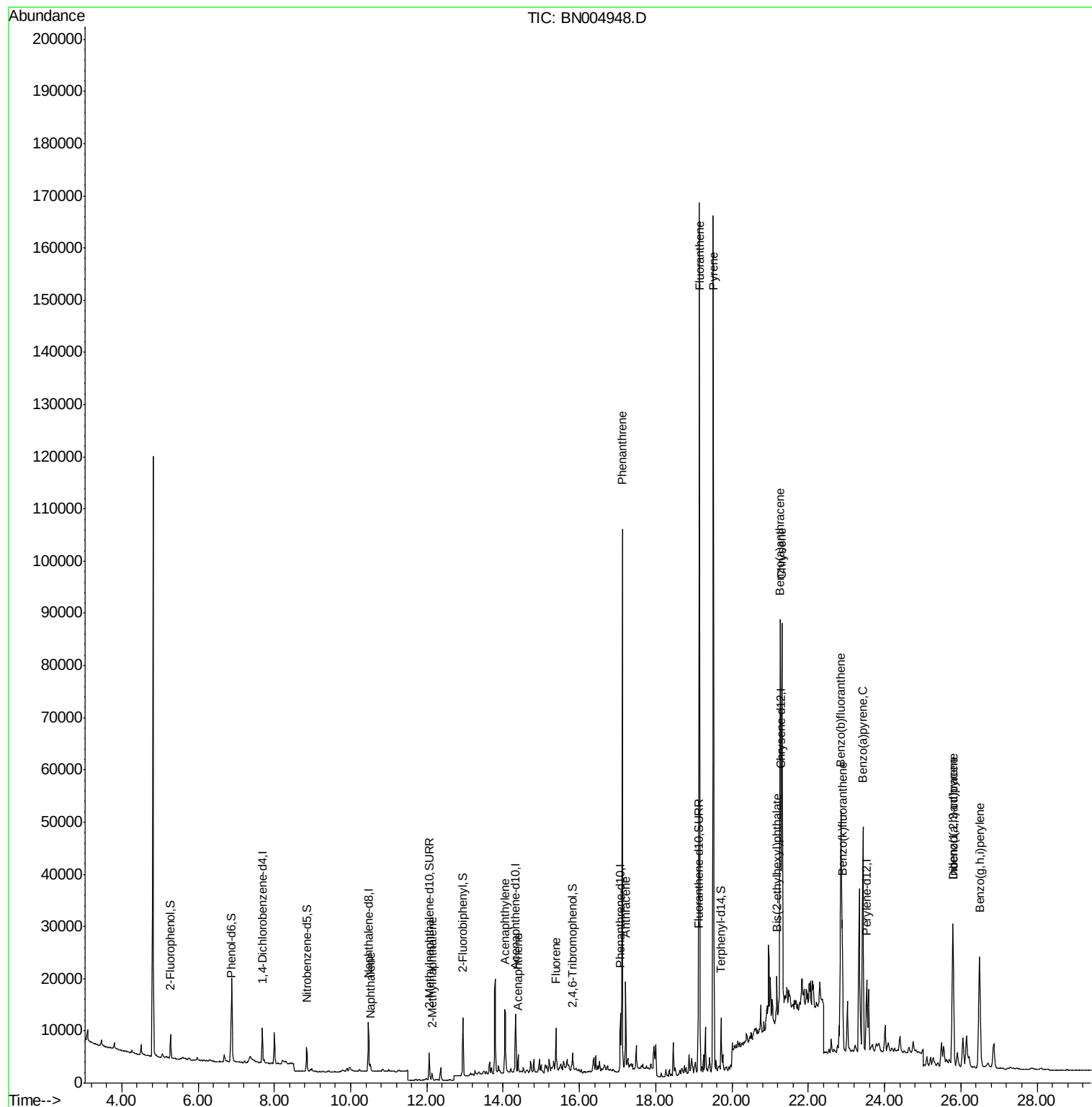
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
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ALS Vial : 28 Sample Multiplier: 1

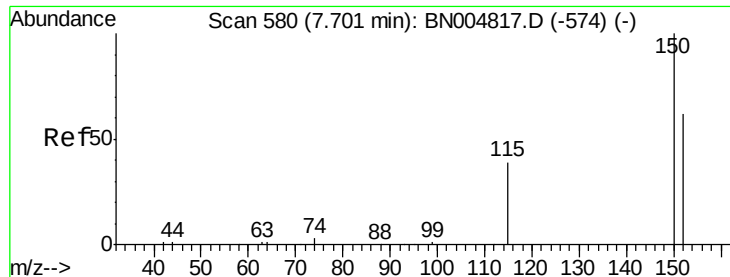
Instrument :
BNA_N
ClientSampleId :
PST-026-SW037-031819

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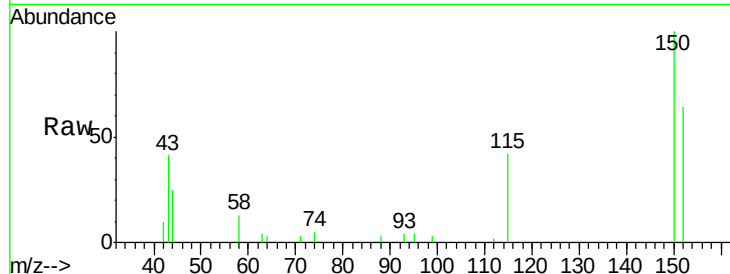




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

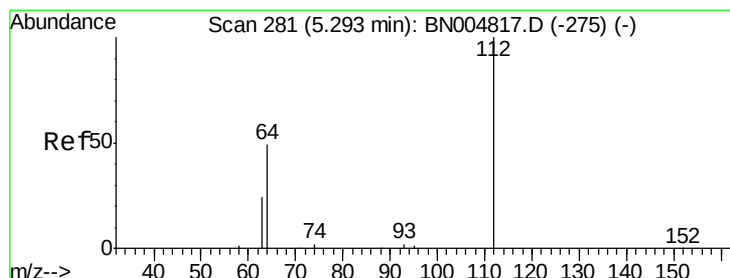
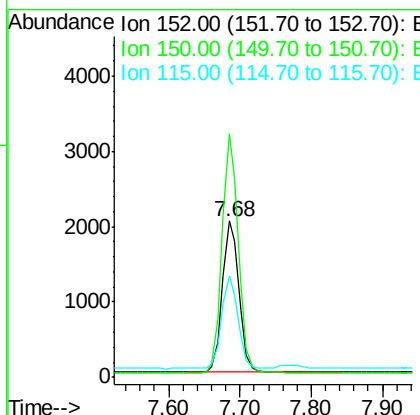
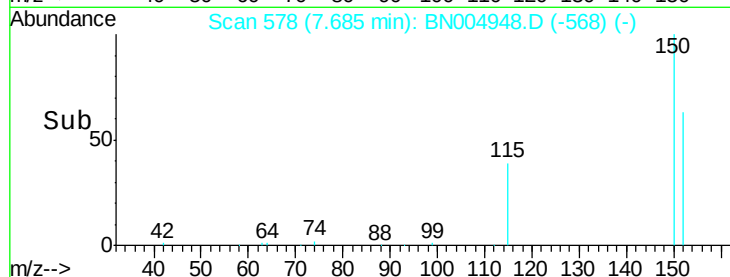
Instrument :
BNA_N
ClientSampleId :
PST-026-SW037-031819



Tgt Ion:152 Resp: 3251
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.4
115 65.2 52.6 79.0

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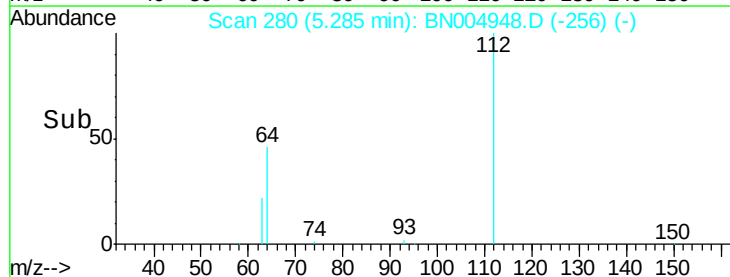
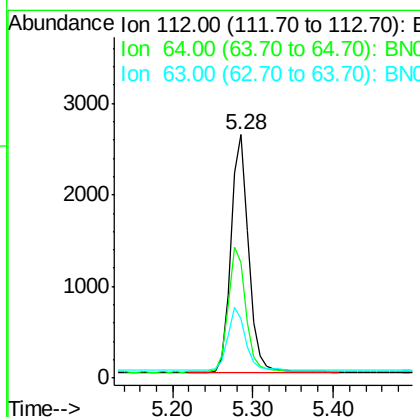
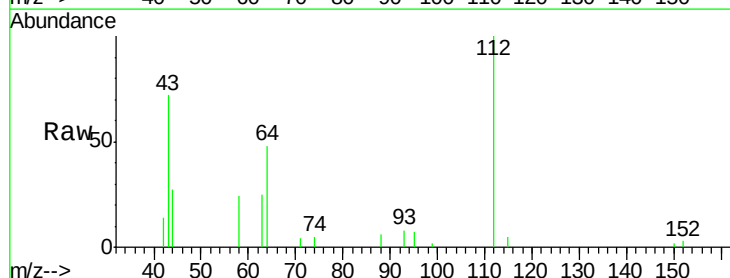
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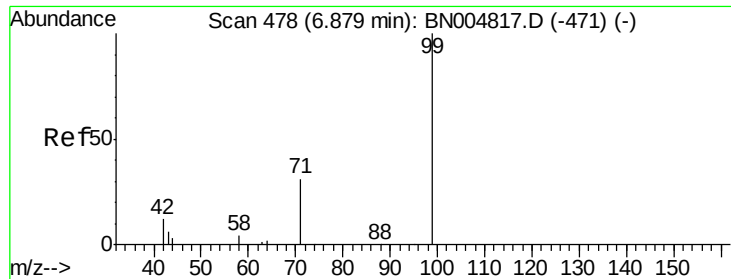


#4

2-Fluorophenol
Concen: 0.459 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Tgt Ion:112 Resp: 4057
Ion Ratio Lower Upper
112 100
64 52.6 40.0 60.0
63 26.2 20.2 30.2





#5

Phenol-d6

Concen: 0.462 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA_N

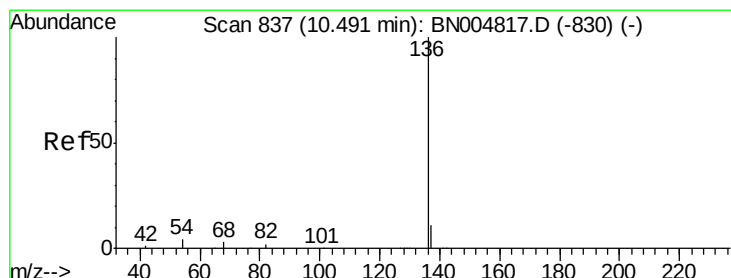
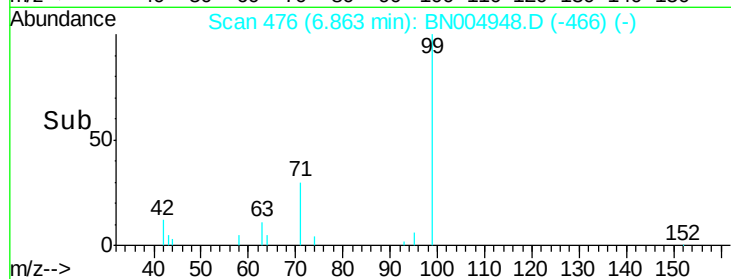
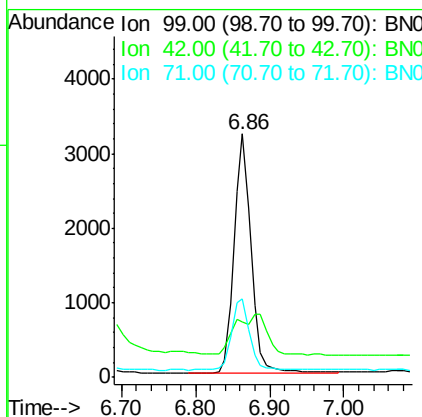
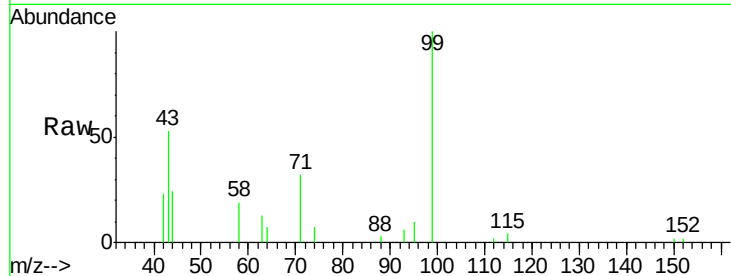
ClientSampleId :

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Tgt Ion:	99	Resp:	5083
Ion	Ratio	Lower	Upper
99	100		
42	32.5	12.7	19.1#
71	31.7	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

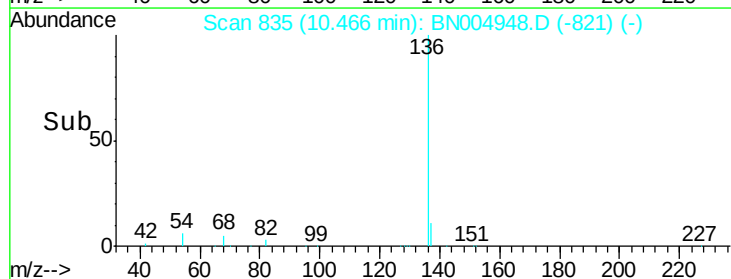
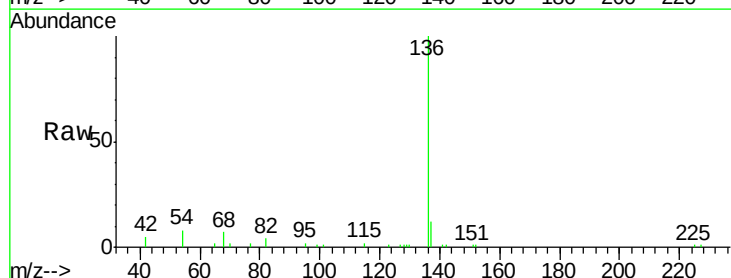
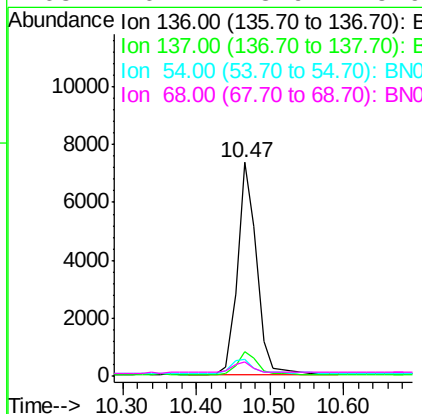
RT: 10.47 min Scan# 835

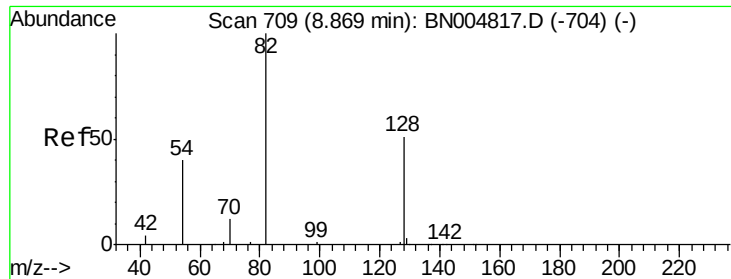
Delta R.T. -0.03 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Tgt Ion:	136	Resp:	13076
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	7.6	4.2	6.2#
68	6.7	3.9	5.9#





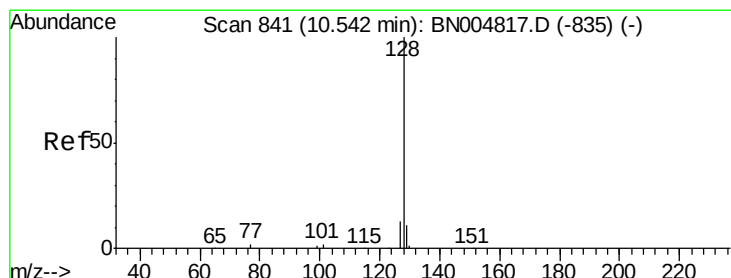
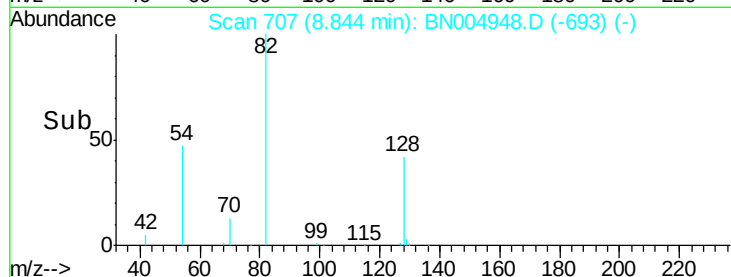
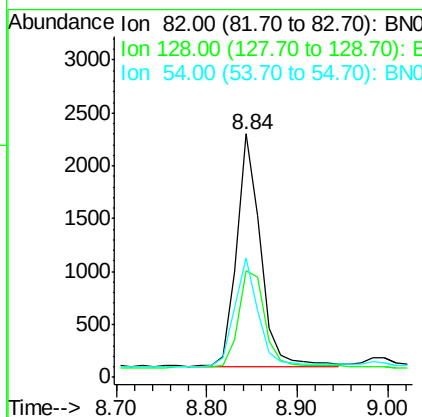
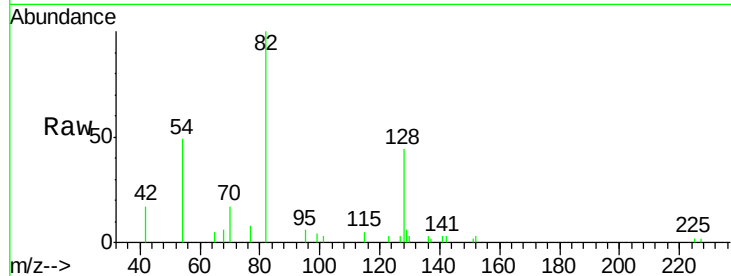
#8
Nitrobenzene-d5
Concen: 0.461 ng
RT: 8.84 min Scan# 707
Delta R.T. -0.03 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Instrument :
BNA_N
ClientSampleId :
PST-026-SW037-031819

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.9	43.0	64.6
54	49.2	35.3	52.9

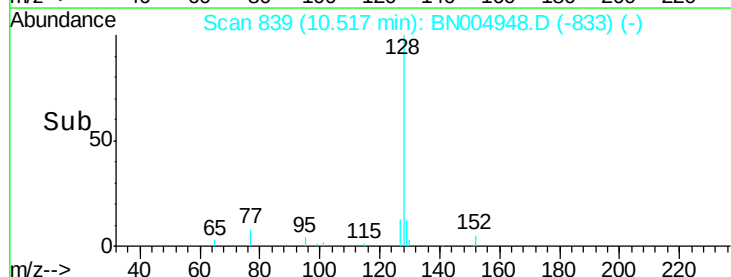
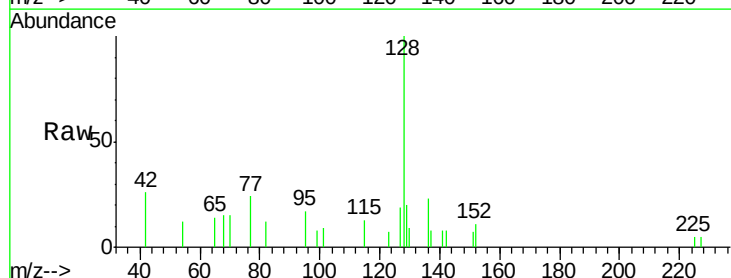
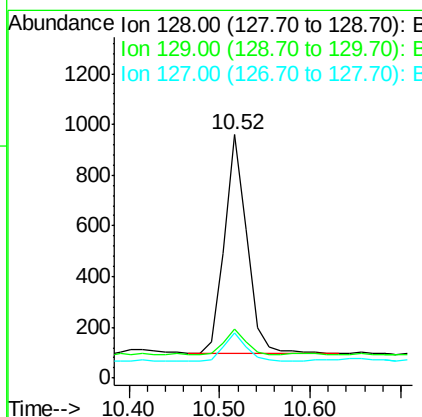
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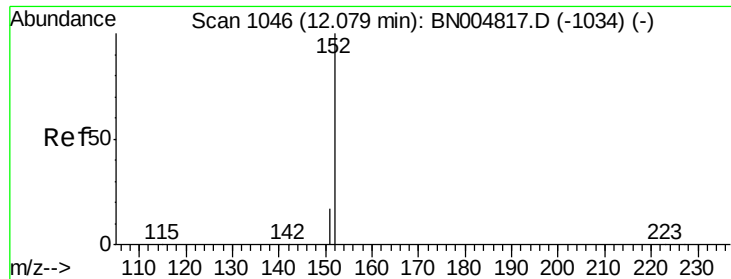
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#9
Naphthalene
Concen: 0.040 ng
RT: 10.52 min Scan# 839
Delta R.T. -0.03 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	19.9	9.9	14.9#
127	18.6	11.3	16.9#





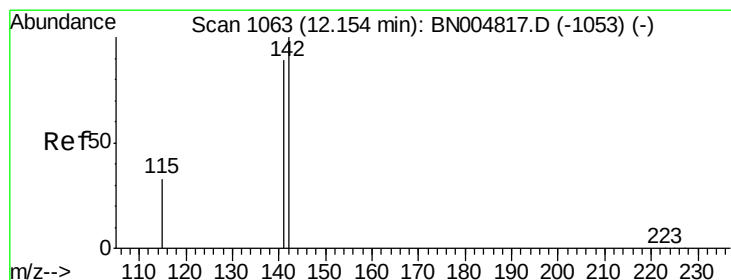
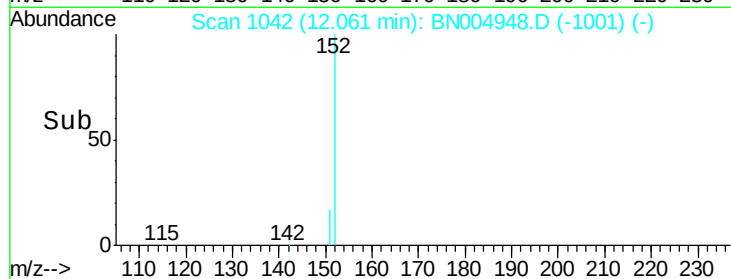
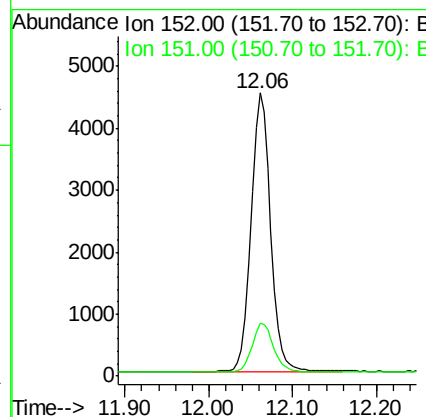
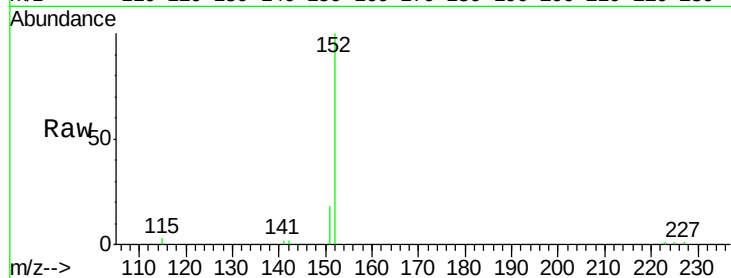
#11
 2-Methylnaphthalene-d10
 Concen: 0.322 ng
 RT: 12.06 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW037-031819

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3

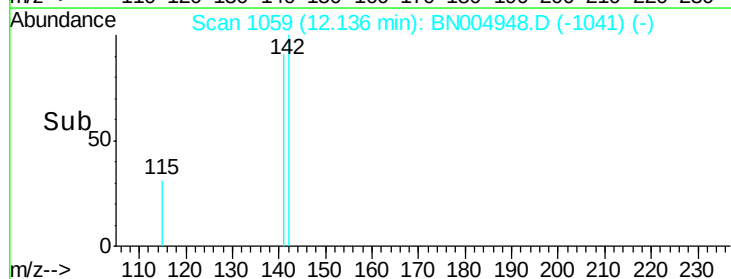
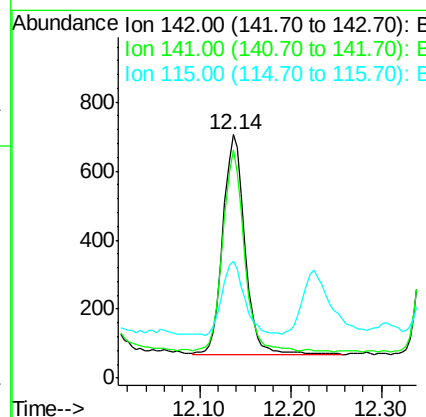
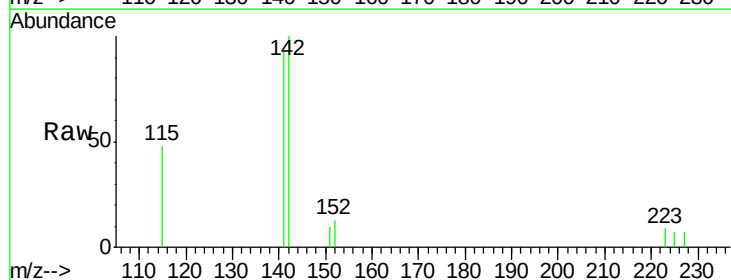
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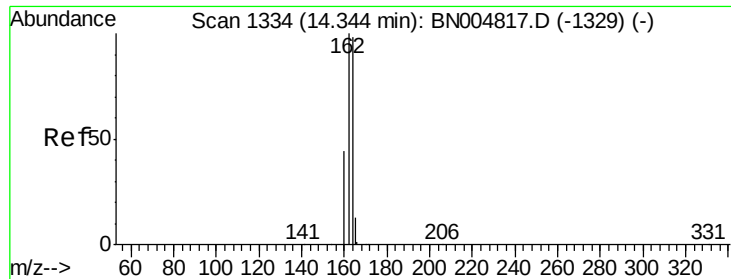
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#12
 2-Methylnaphthalene
 Concen: 0.039 ng
 RT: 12.14 min Scan# 1059
 Delta R.T. -0.02 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	71.4	107.2
115	47.9	27.5	41.3





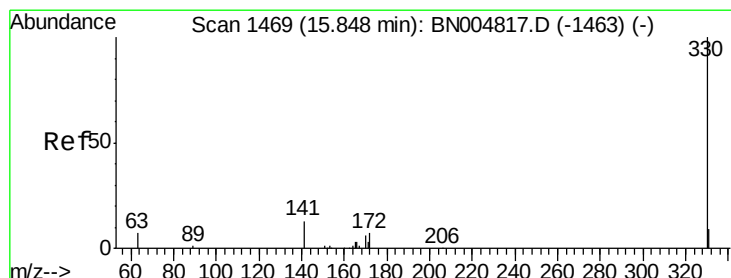
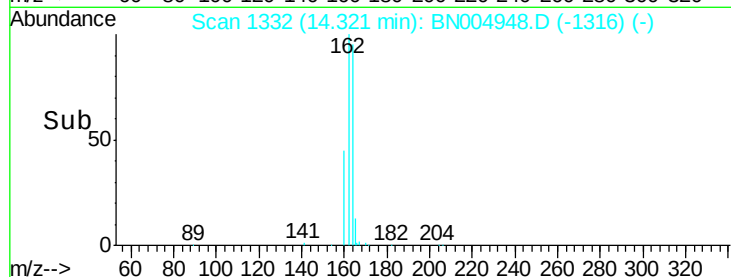
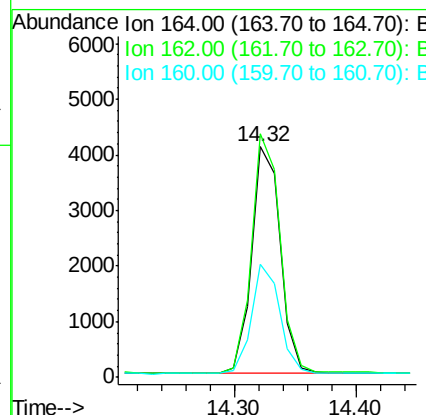
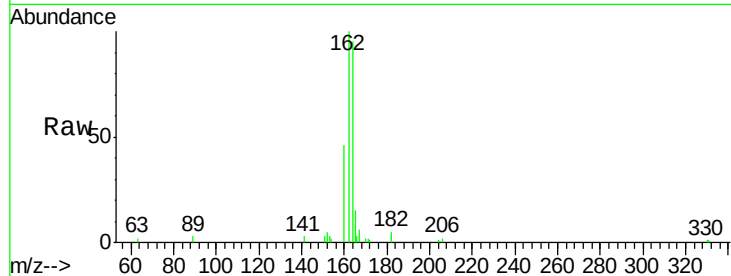
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Instrument :
BNA_N
ClientSampleId :
PST-026-SW037-031819

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	81.9	122.9
160	48.8	36.6	54.8

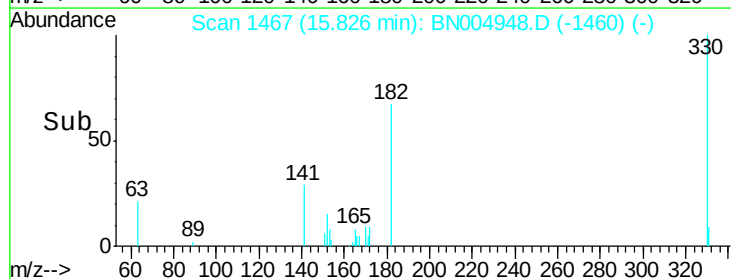
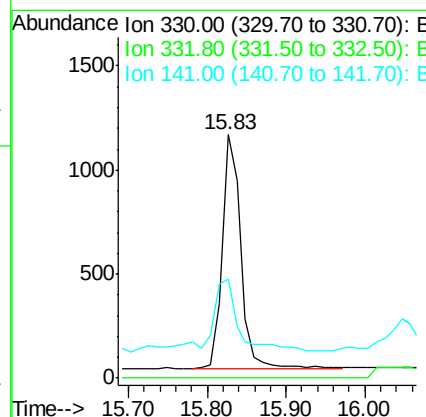
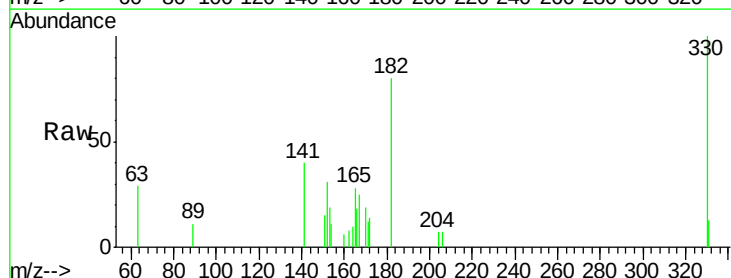
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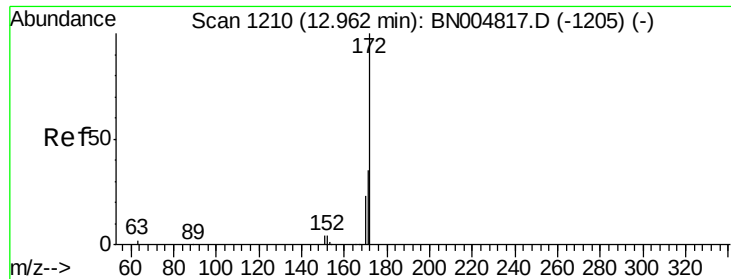
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#14
2,4,6-Tribromophenol
Concen: 0.394 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.9	20.9	31.3#





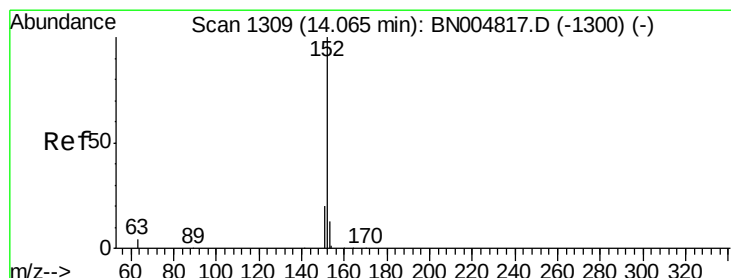
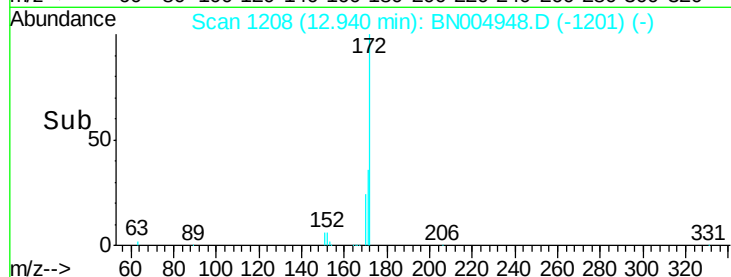
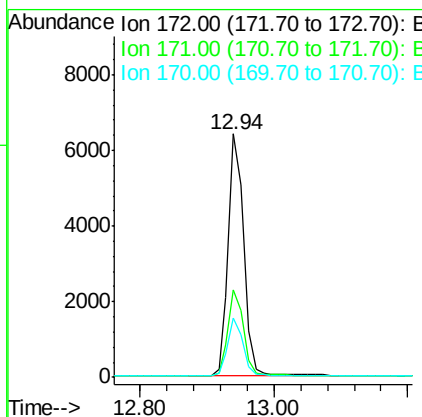
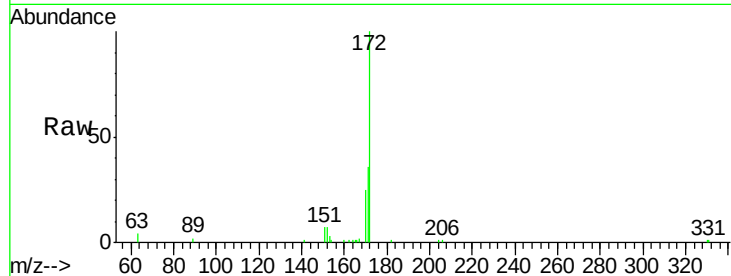
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Instrument :
BNA_N
ClientSampleId :
PST-026-SW037-031819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	24.5	18.7	28.1

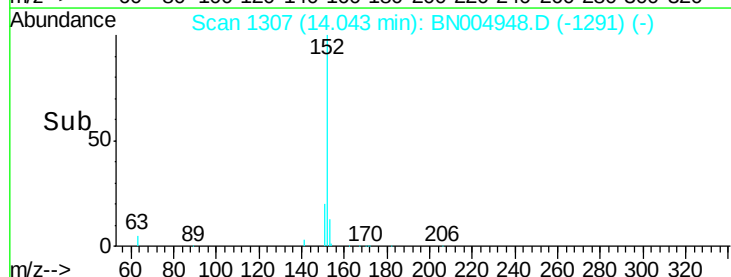
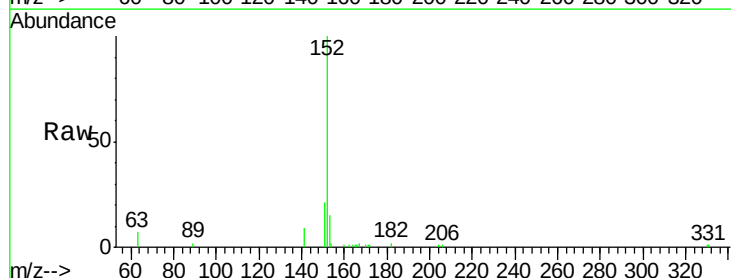
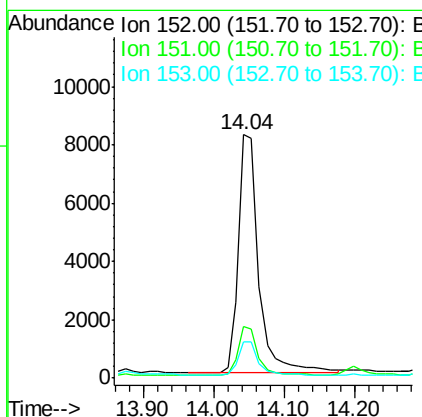
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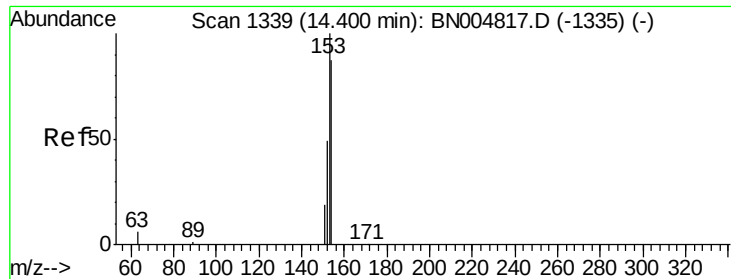
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#16
Acenaphthylene
Concen: 0.482 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	14.2	10.5	15.7





#17

Acenaphthene

Concen: 0.078 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA_N

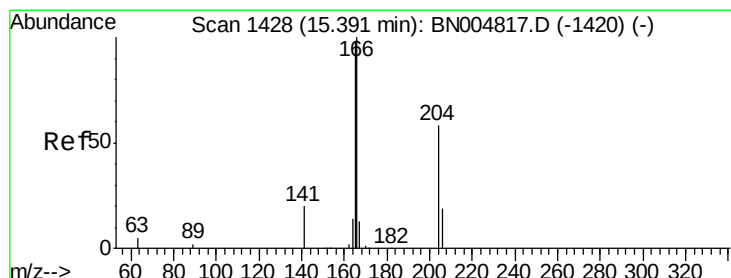
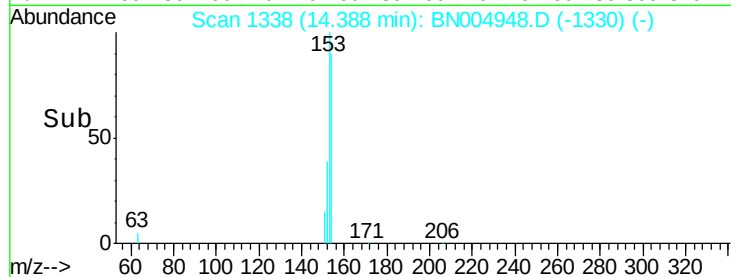
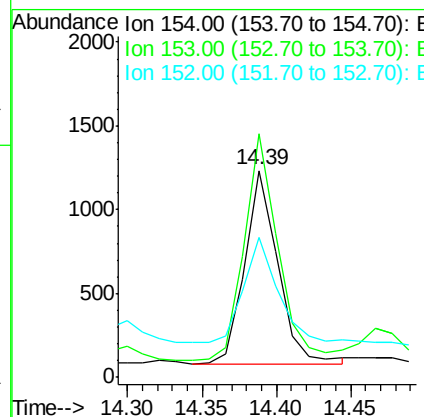
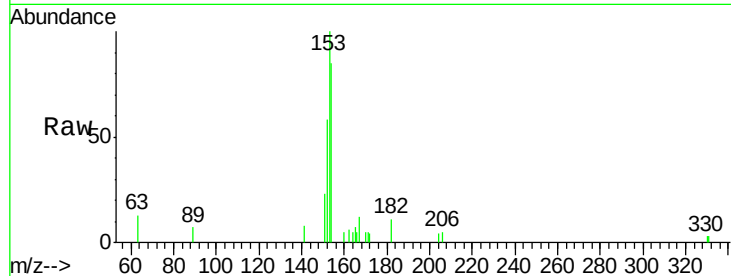
ClientSampleId :

PST-026-SW037-031819

Tgt Ion:	154	Resp:	1772
Ion Ratio	Lower	Upper	
154	100		
153	118.9	91.4	137.2
152	67.4	44.2	66.2#

Manual Integrations
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#18

Fluorene

Concen: 0.183 ng

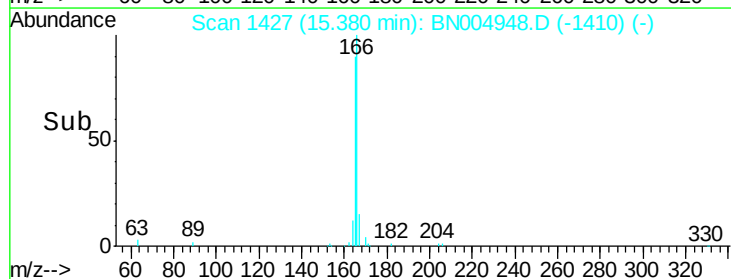
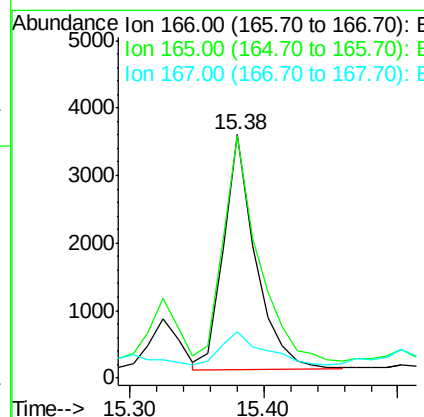
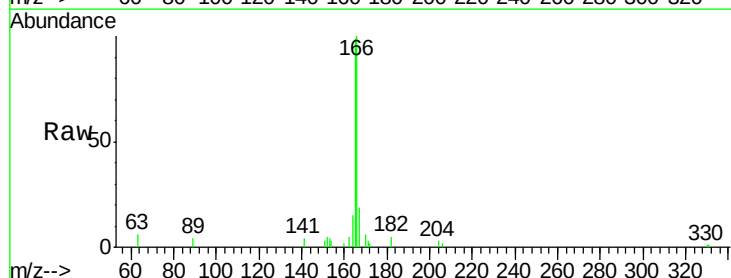
RT: 15.38 min Scan# 1427

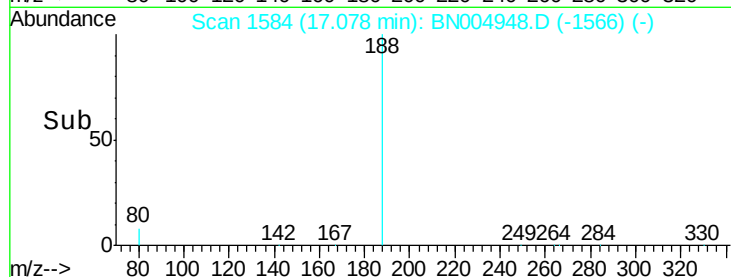
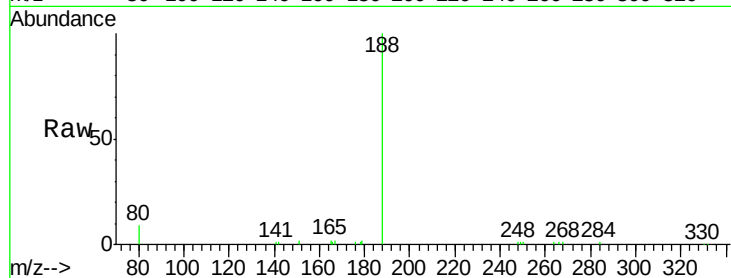
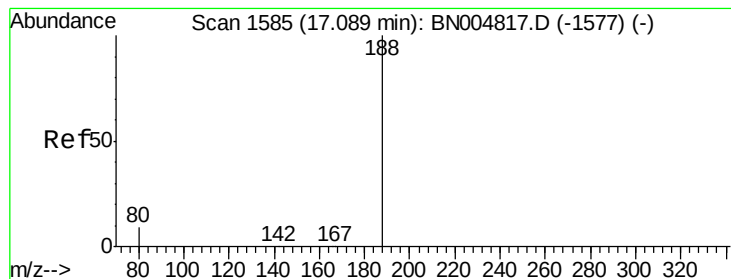
Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Tgt Ion:	166	Resp:	5789
Ion Ratio	Lower	Upper	
166	100		
165	103.9	78.2	117.4
167	18.2	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: BN004948.D

Acq: 24 Mar 2019 20:32

Tgt Ion:	188	Resp:	14408
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.9	7.4	11.2

Instrument :

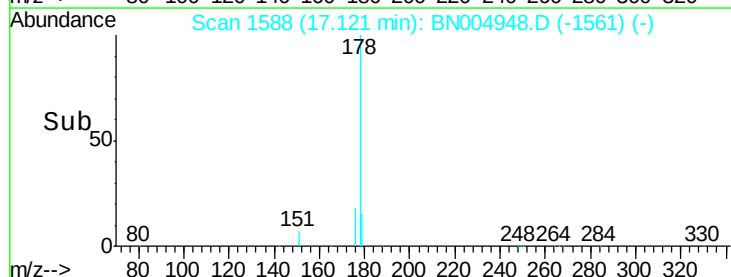
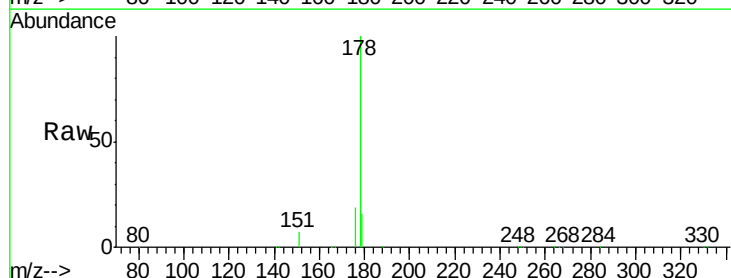
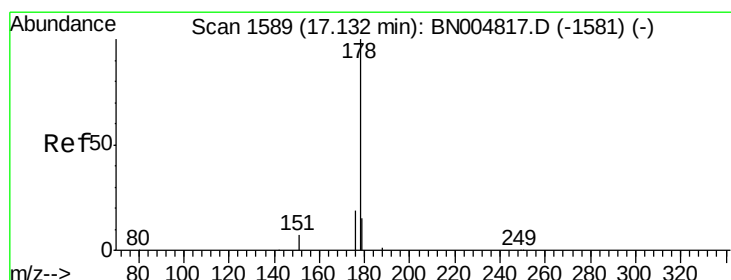
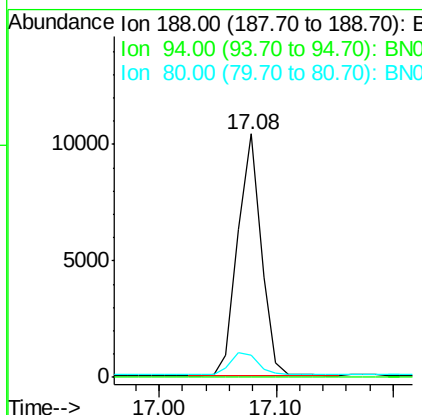
BNA_N

ClientSampleId :

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#23

Phenanthrene

Concen: 2.266 ng

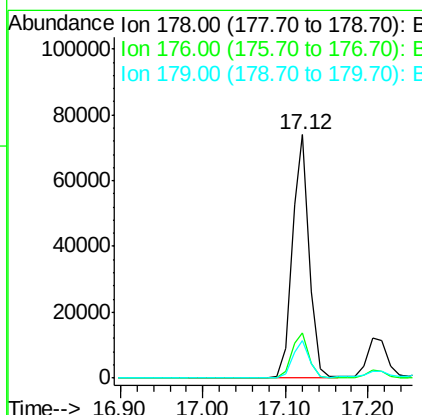
RT: 17.12 min Scan# 1588

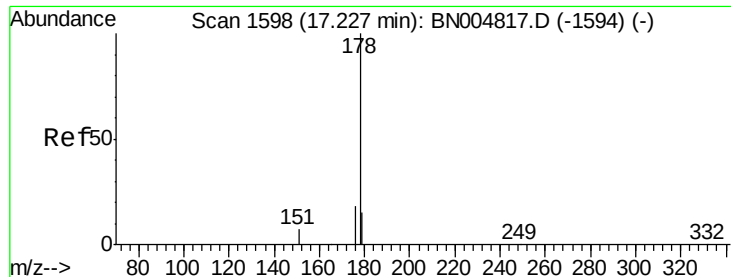
Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Tgt Ion:	178	Resp:	105417
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.5	12.1	18.1





#24

Anthracene

Concen: 0.481 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA_N

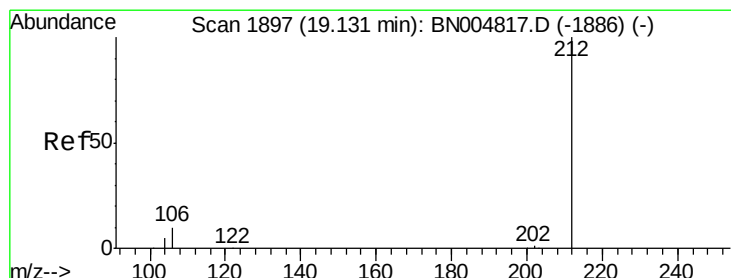
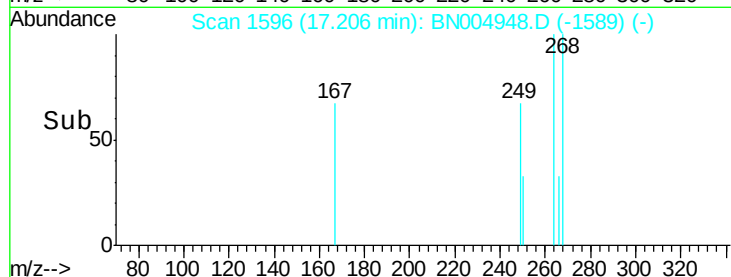
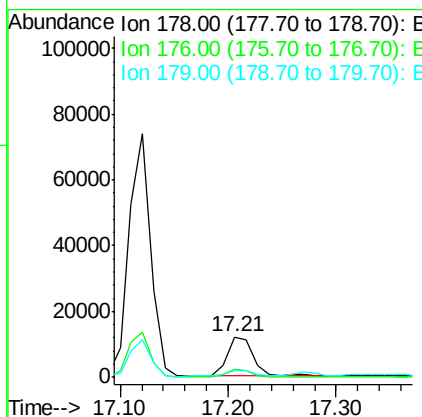
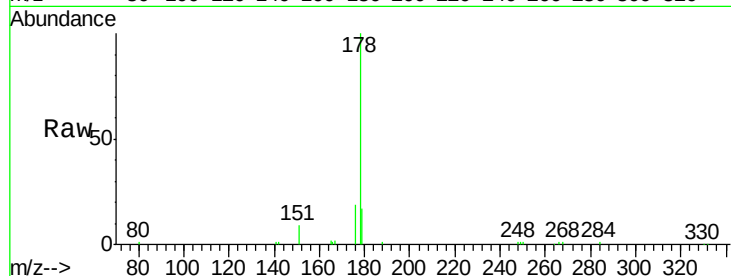
ClientSampled :

PST-026-SW037-031819

Tgt Ion:	178	Resp:	19988
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.5	21.7
179	16.3	12.2	18.4

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.264 ng

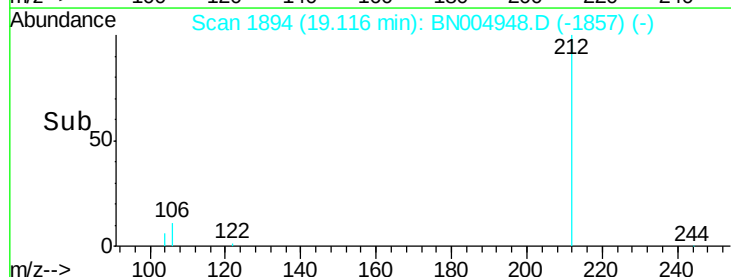
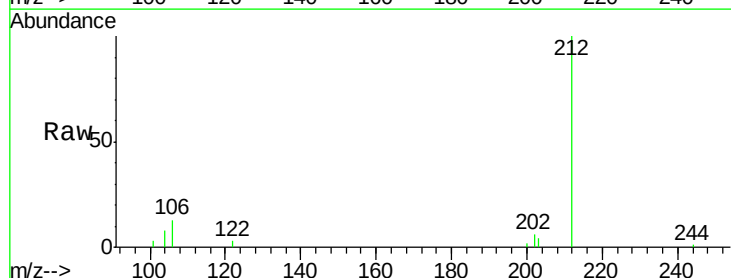
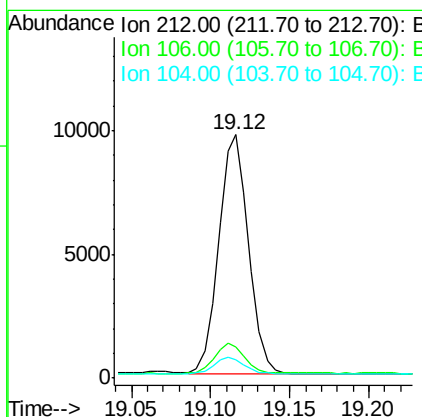
RT: 19.12 min Scan# 1894

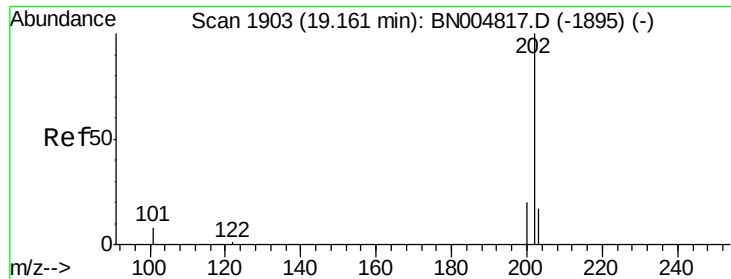
Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Tgt Ion:	212	Resp:	12747
Ion Ratio	Lower	Upper	
212	100		
106	13.3	8.6	13.0#
104	7.1	4.7	7.1#





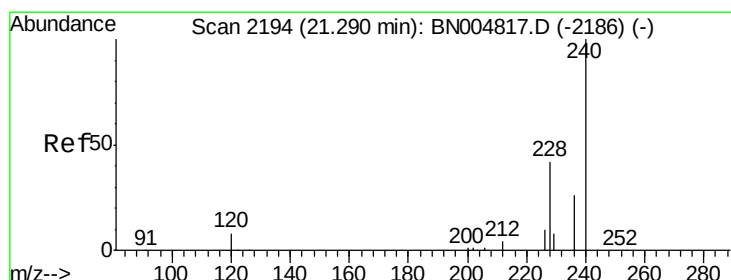
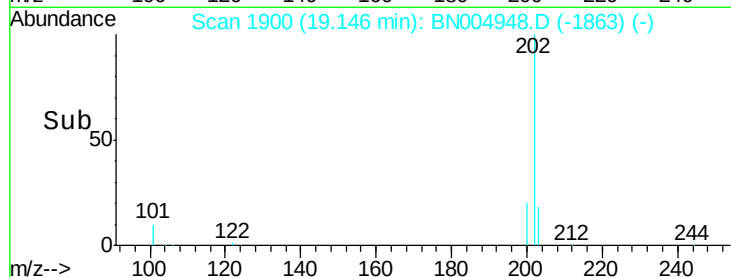
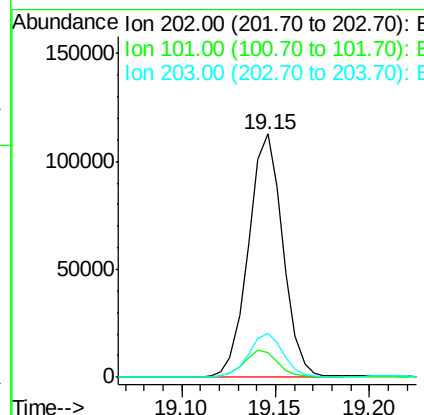
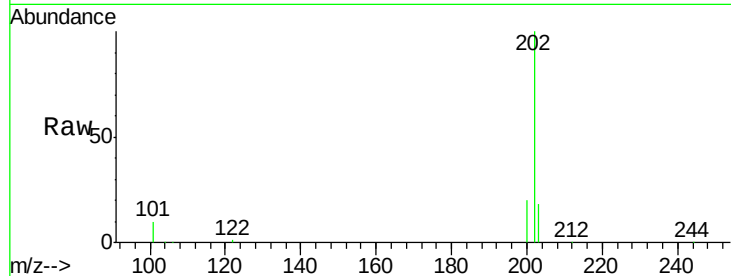
#26
Fluoranthene
 Concen: 2.388 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW037-031819

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	142770		
101	10.8	7.5	11.3	
203	17.7	13.8	20.6	

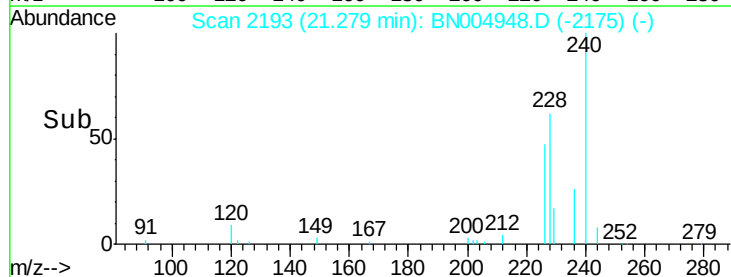
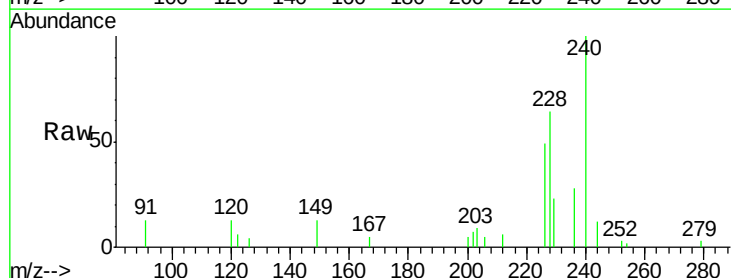
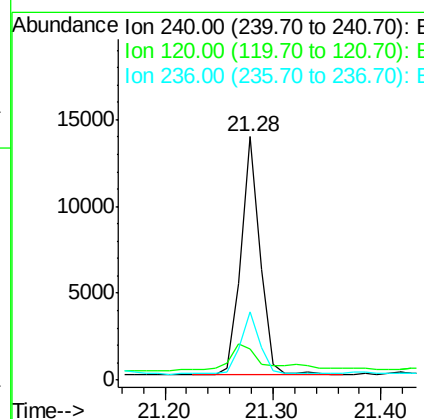
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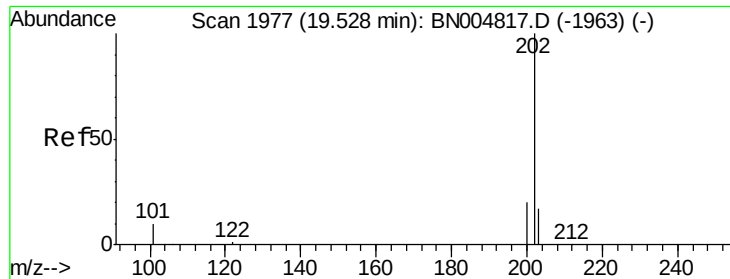
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	16939		
120	12.8	7.2	10.8#	
236	27.9	20.9	31.3	





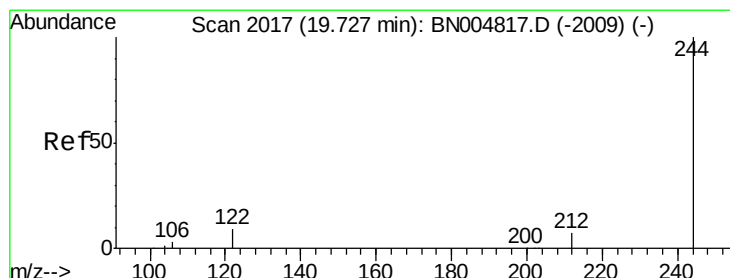
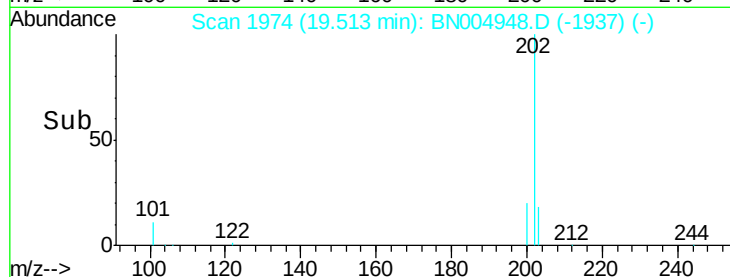
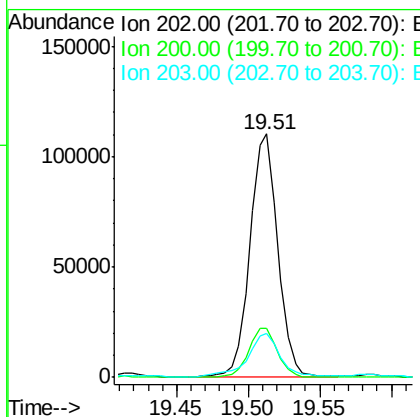
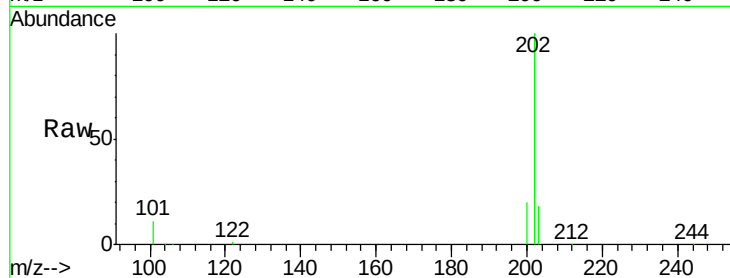
#28
 Pyrene
 Concen: 2.870 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW037-031819

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	16.3	24.5	
203	20.1	14.0	21.0	

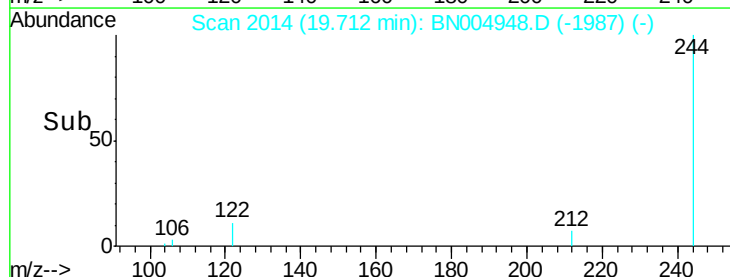
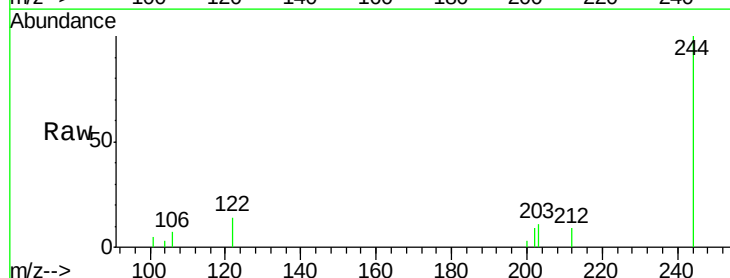
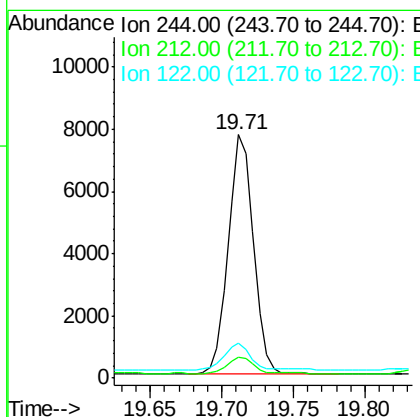
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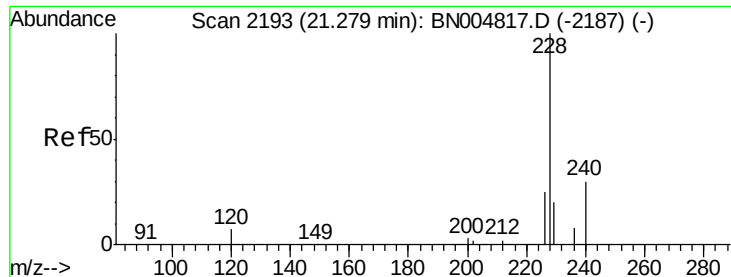
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#29
 Terphenyl-d14
 Concen: 0.271 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.8	5.8	8.6#	
122	14.2	7.9	11.9#	





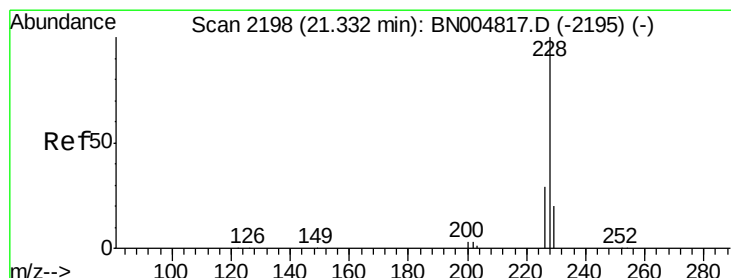
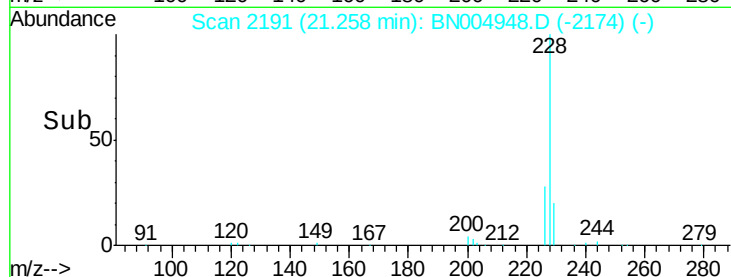
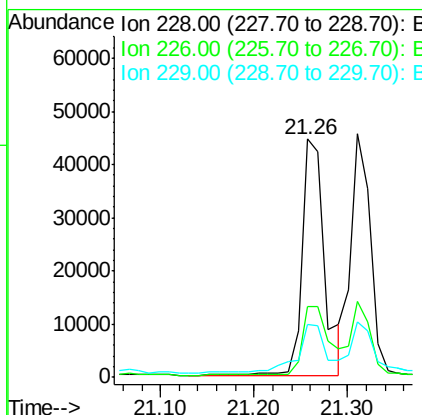
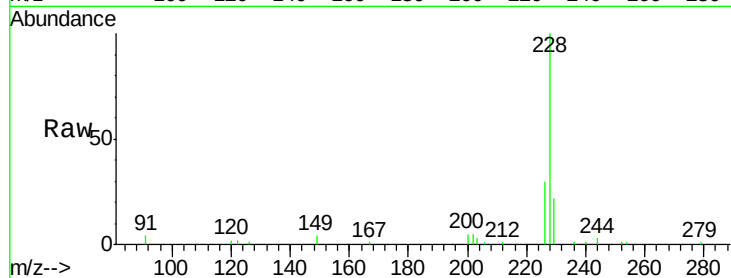
#30
Benzo(a)anthracene
Concen: 1.323 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Instrument :
BNA_N
ClientSampleId :
PST-026-SW037-031819

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	20.6	31.0
229	22.1	16.2	24.4

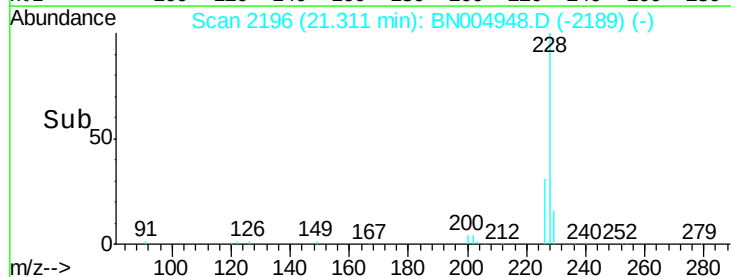
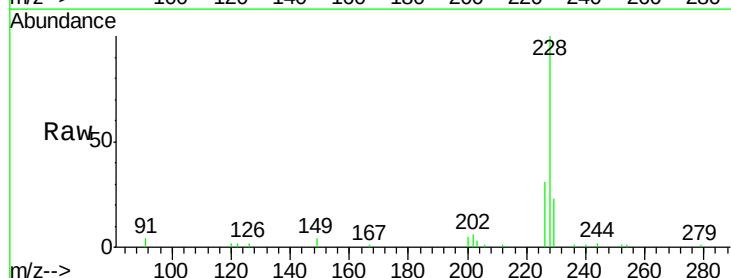
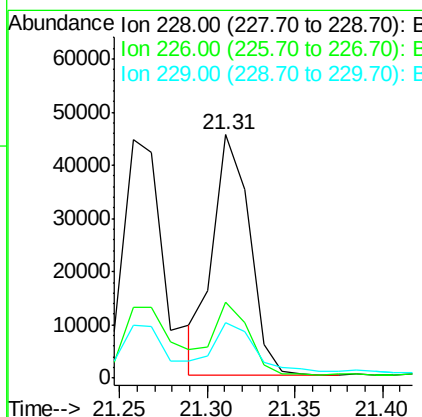
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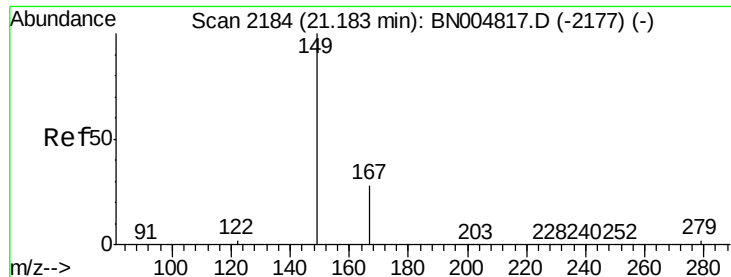
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#31
Chrysene
Concen: 1.111 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.0	34.6
229	22.6	16.2	24.2





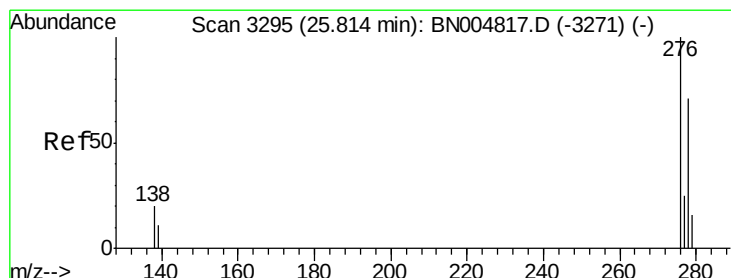
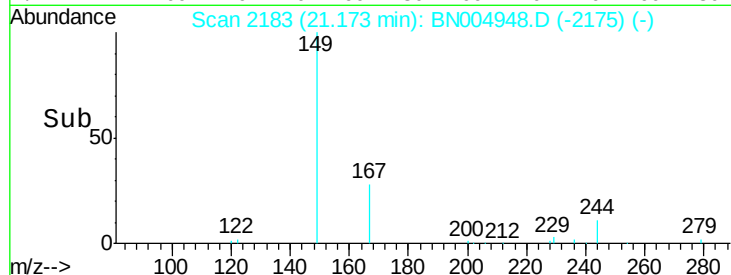
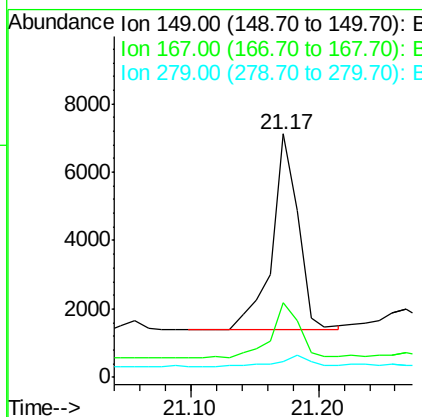
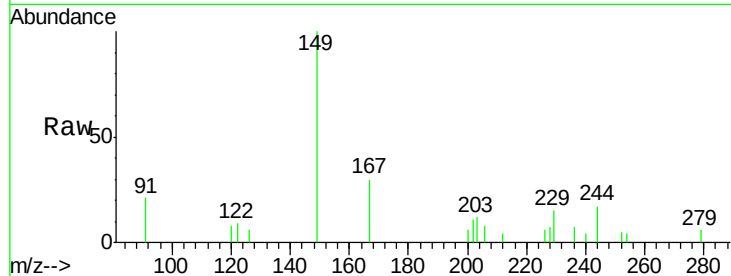
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.366 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW037-031819

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.0	34.4
279	6.1	4.6	6.8

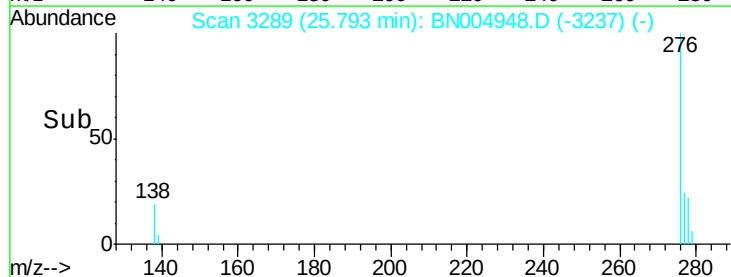
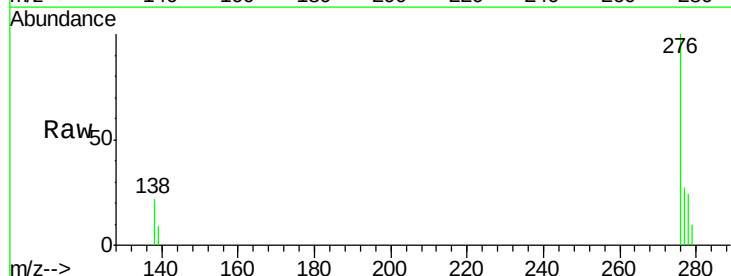
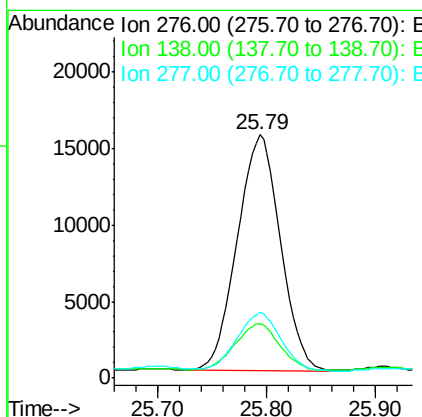
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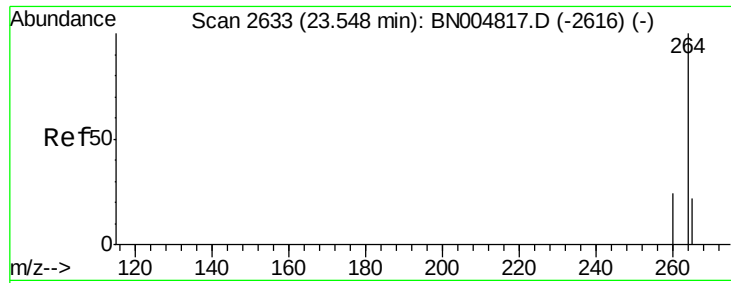
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.501 ng
 RT: 25.79 min Scan# 3289
 Delta R.T. -0.02 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.6	24.8
277	25.0	20.3	30.5





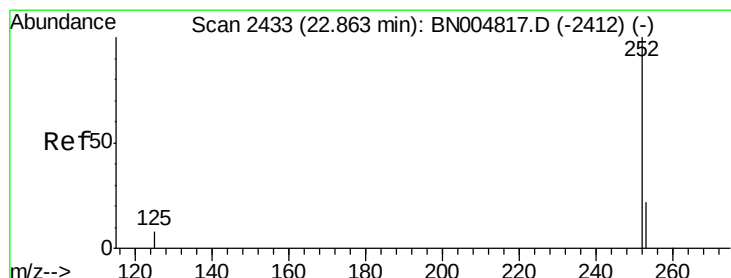
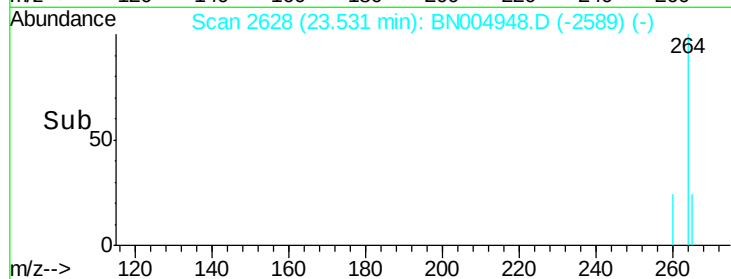
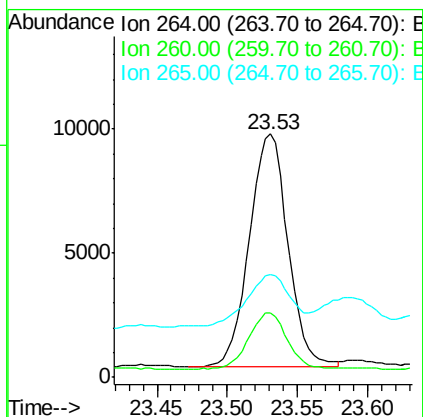
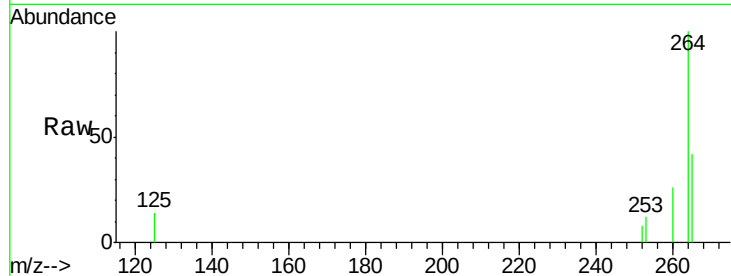
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW037-031819

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.5	19.5	29.3
265	42.3	23.1	34.7

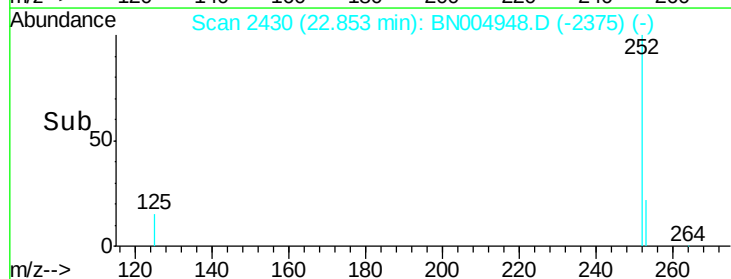
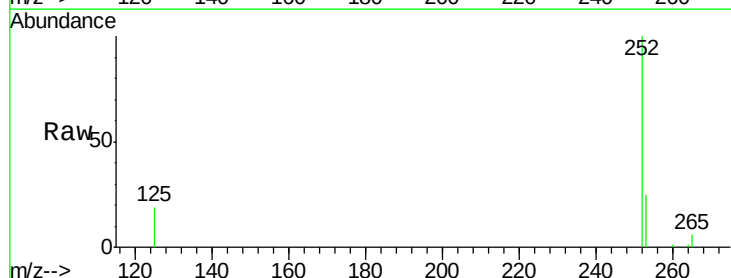
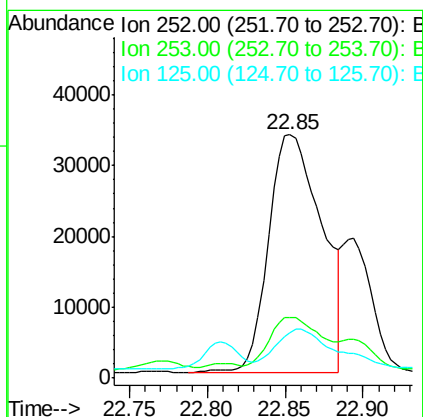
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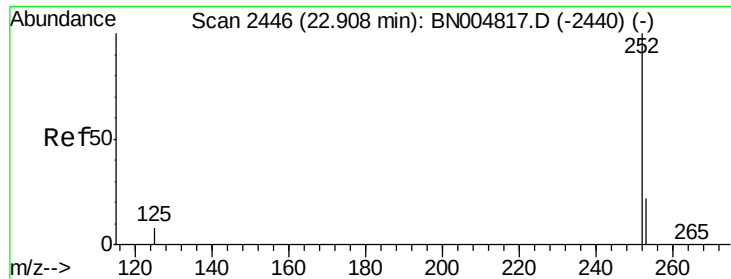
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#35
Benzo(b)fluoranthene
 Concen: 1.238 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004948.D
 Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.0	28.4
125	18.7	7.4	11.2





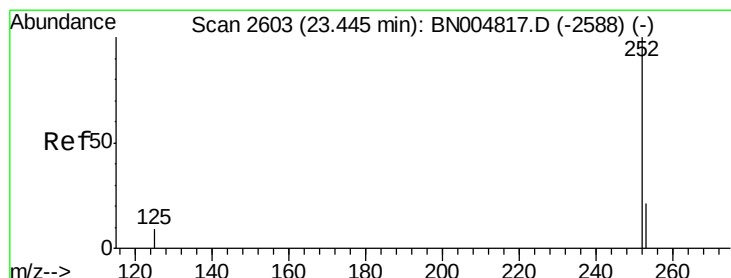
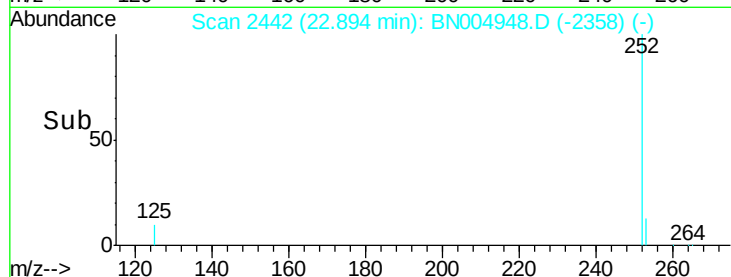
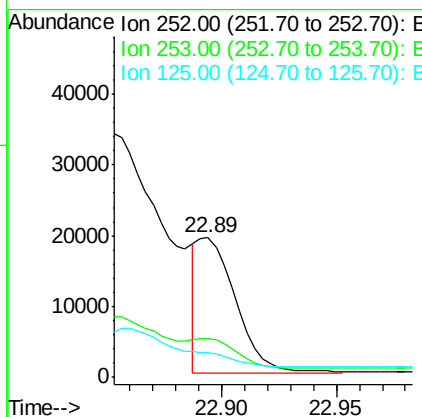
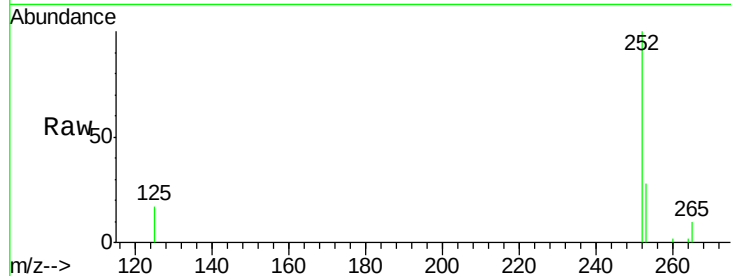
#36
Benzo(k)fluoranthene
Concen: 0.354 ng m
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Instrument :
BNA_N
ClientSampleId :
PST-026-SW037-031819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	19.3	28.9
125	17.3	7.4	11.0#

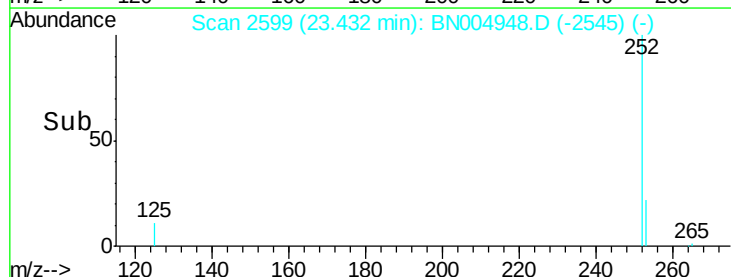
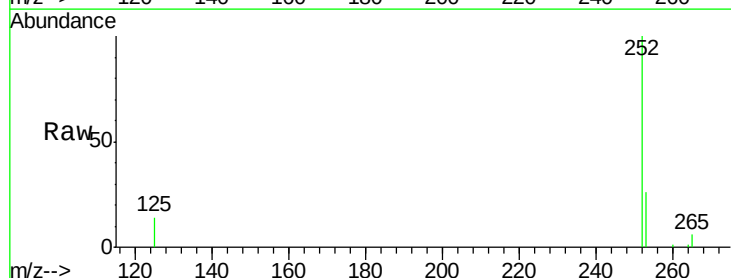
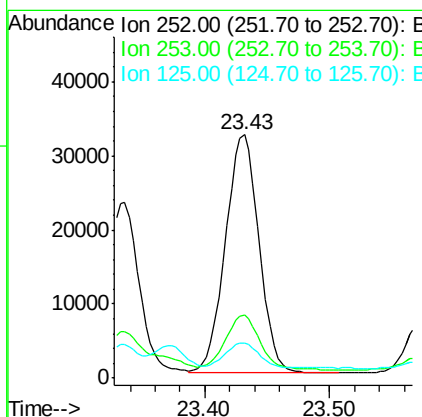
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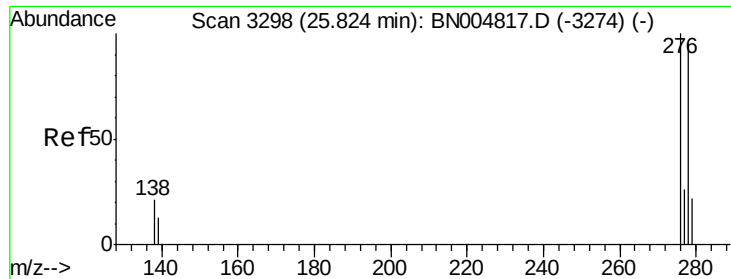
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#37
Benzo(a)pyrene
Concen: 1.016 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.7	29.5
125	14.4	8.3	12.5#





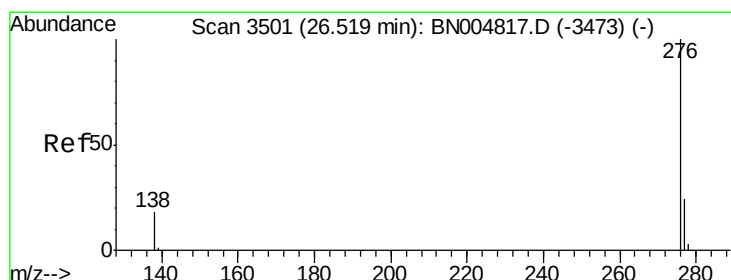
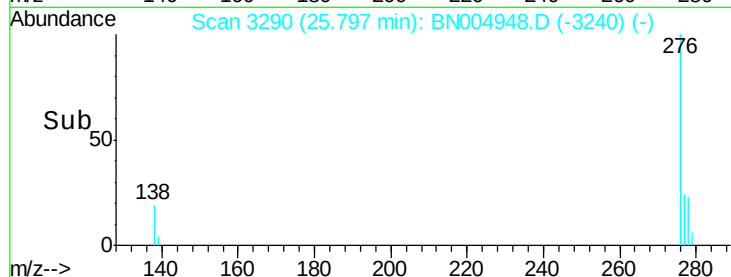
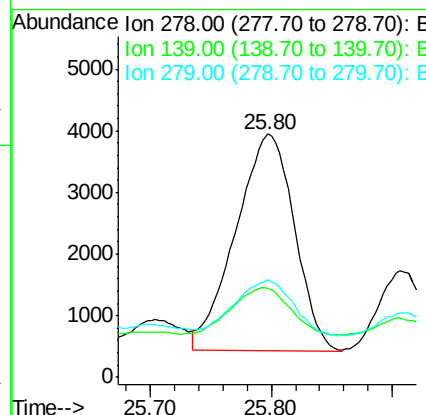
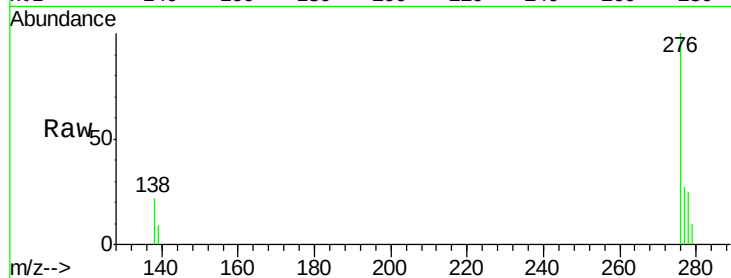
#38
Dibenzo(a,h)anthracene
Concen: 0.173 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Instrument :
BNA_N
ClientSampleId :
PST-026-SW037-031819

Tgt Ion: 278 Resp: 11870
Ion Ratio Lower Upper
278 100
139 36.4 11.7 17.5#
279 40.2 19.9 29.9#

Manual Integrations
APPROVED

Sohil
3/26/2019 6:33:54 PM



#39
Benzo(g,h,i)perylene
Concen: 0.644 ng
RT: 26.49 min Scan# 3493
Delta R.T. -0.03 min
Lab File: BN004948.D
Acq: 24 Mar 2019 20:32

Tgt Ion: 276 Resp: 44892
Ion Ratio Lower Upper
276 100
277 26.1 19.7 29.5
138 22.6 14.6 22.0#

