

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
 Data File : BN004924.D
 Acq On : 23 Mar 2019 17:19
 Operator : JU/SJ
 Sample : K1817-10DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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 3/25/2019 1:34:28 PM

Quant Time: Mar 24 01:43:29 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	2003	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	8260	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	4483	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	10528	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	14876	0.40	ng	-0.01
34) Perylene-d12	23.53	264	17634	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	1237	0.23	ng	0.00
5) Phenol-d6	6.86	99	1528	0.23	ng	-0.02
8) Nitrobenzene-d5	8.86	82	1189	0.22	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	2413	0.17	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	580	0.19	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	3427	0.18	ng	-0.01
25) Fluoranthene-d10	19.12	212	5581	0.16	ng	-0.01
29) Terphenyl-d14	19.71	244	4162	0.14	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.52	128	2676	0.116	ng	# 93
12) 2-Methylnaphthalene	12.14	142	1790	0.104	ng	97
16) Acenaphthylene	14.05	152	5634	0.244	ng	98
17) Acenaphthene	14.39	154	7187	0.475	ng	100
18) Fluorene	15.38	166	8578	0.406	ng	# 98
23) Phenanthrene	17.12	178	144836	4.261	ng	99
24) Anthracene	17.22	178	32369	1.066	ng	# 92
26) Fluoranthene	19.15	202	198124	4.535	ng	99
28) Pyrene	19.51	202	166713	3.675	ng	# 94
30) Benzo(a)anthracene	21.26	228	125694	2.576	ng	98
31) Chrysene	21.31	228	95362	1.856	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	997	0.051	ng	94
33) Indeno(1,2,3-cd)pyrene	25.79	276	57929	0.779	ng	99
35) Benzo(b)fluoranthene	22.85	252	130694	2.049	ng	# 98
36) Benzo(k)fluoranthene	22.89	252	47391m	0.755	ng	
37) Benzo(a)pyrene	23.42	252	99074	1.693	ng	98
38) Dibenzo(a,h)anthracene	25.79	278	18841	0.278	ng	# 83
39) Benzo(a,h,i)perylene	26.48	276	49543	0.717	ng	98

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

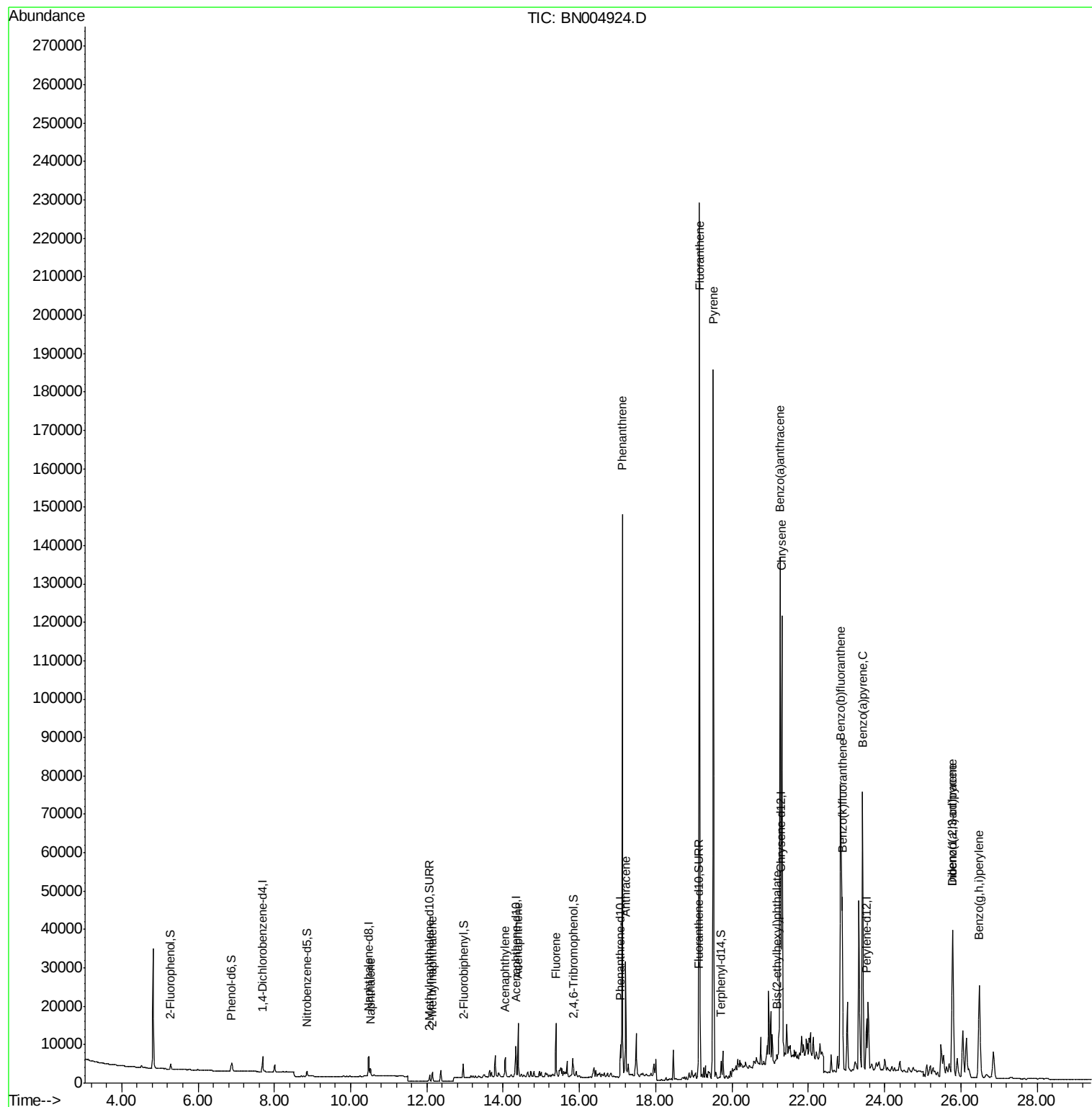
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
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PST-027-SW069-030719DL

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#1

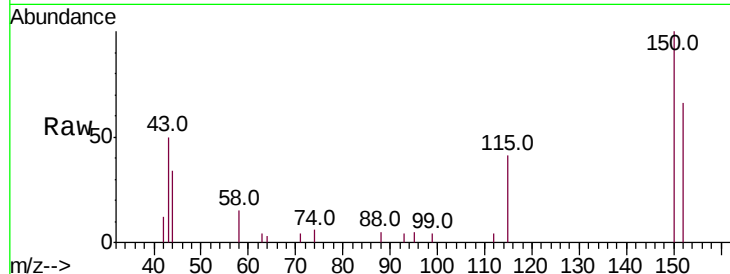
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

Instrument :
BNA_N
ClientSampleID :
PST-027-SW069-030719DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	126.2	189.4
115	62.4	52.6	79.0

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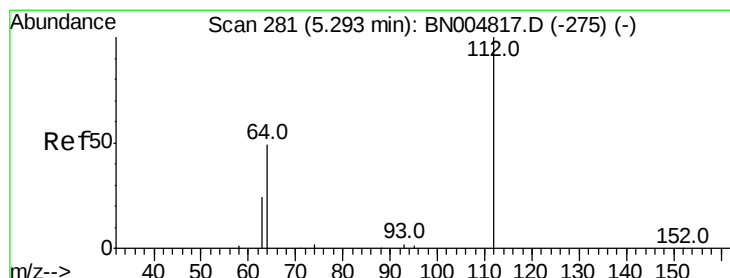
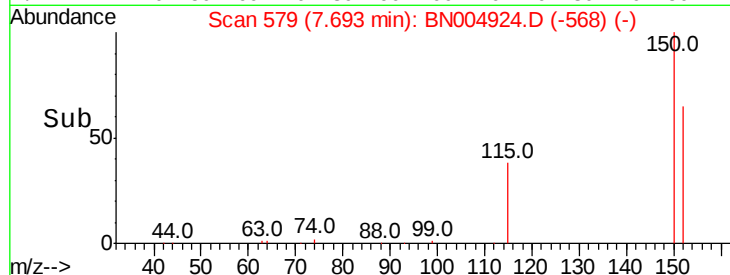
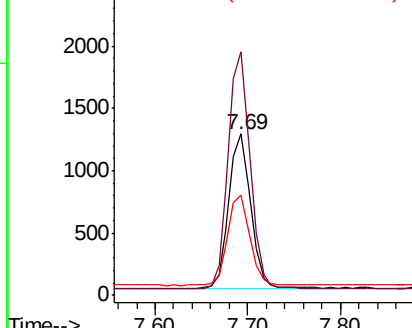


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

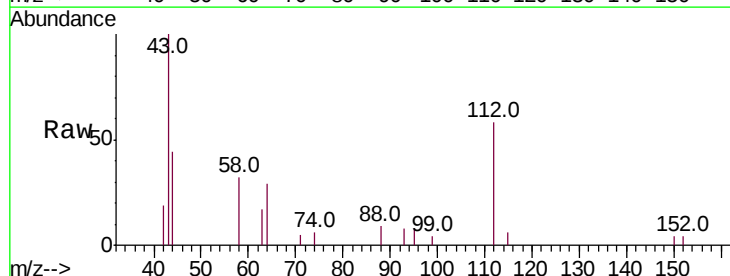
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.227 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	40.0	60.0
63	25.6	20.2	30.2

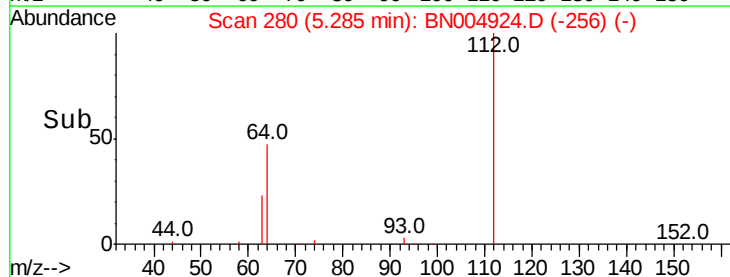
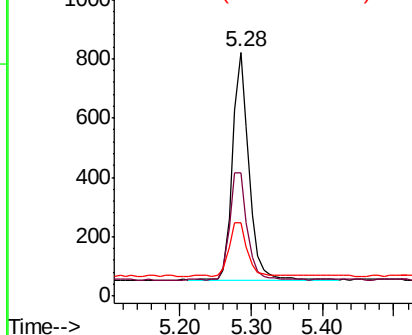


Abundance

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: 0.225 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Instrument :

BNA_N

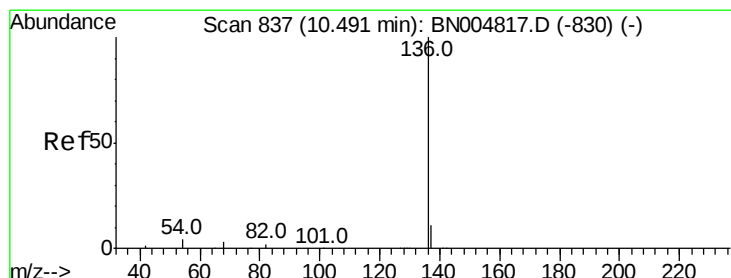
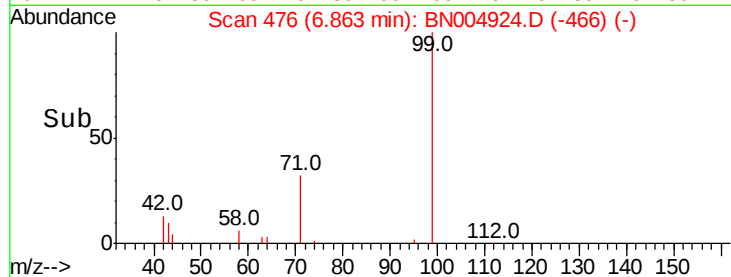
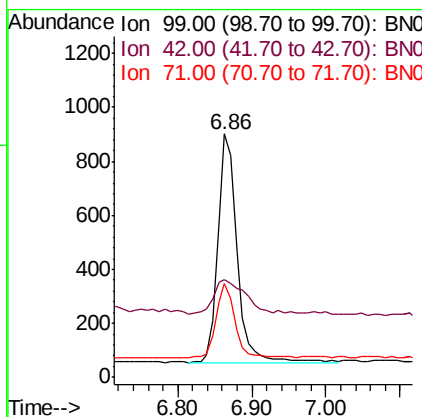
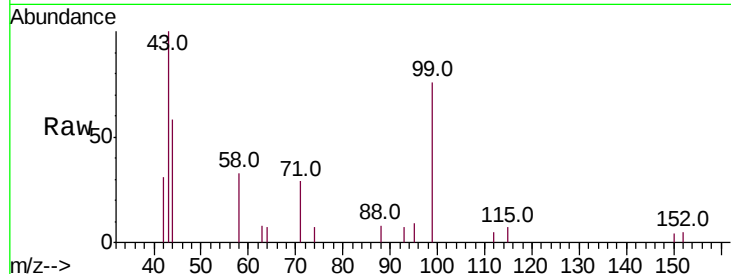
ClientSampleId :

PST-027-SW069-030719DL

Tot Ion:	99	Resp:	1528
Ion	Ratio	Lower	Upper
99	100		
42	26.4	12.7	19.1#
71	32.1	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

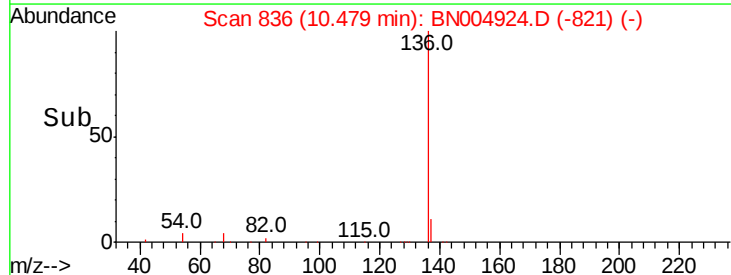
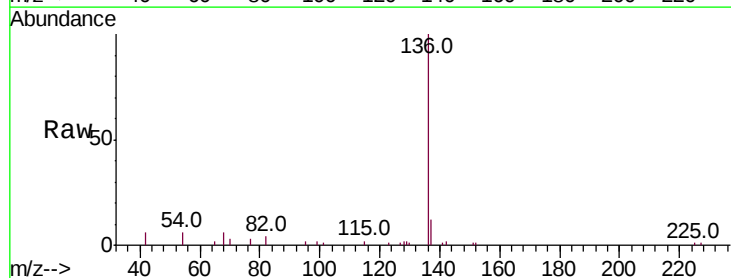
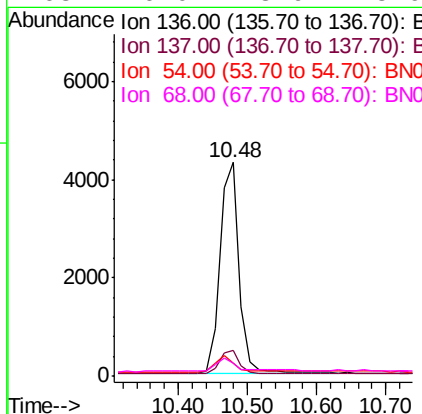
RT: 10.48 min Scan# 836

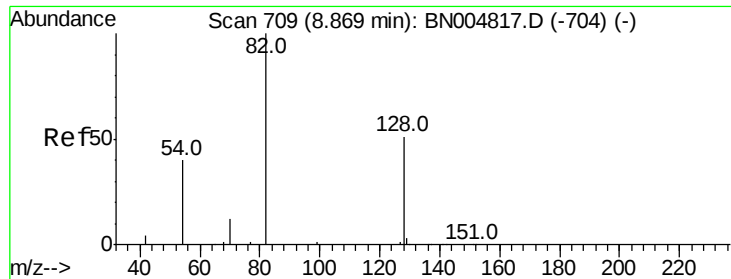
Delta R.T. -0.01 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Tgt Ion:	136	Resp:	8260
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	6.0	4.2	6.2
68	6.0	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.218 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Instrument :

BNA_N

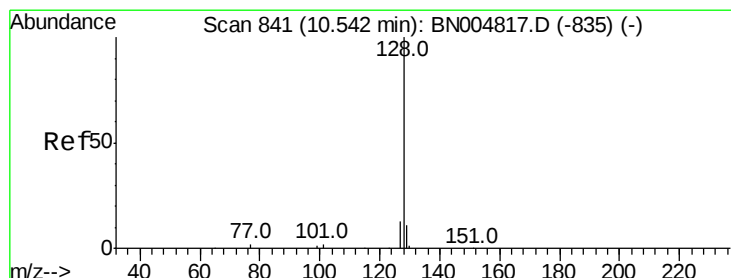
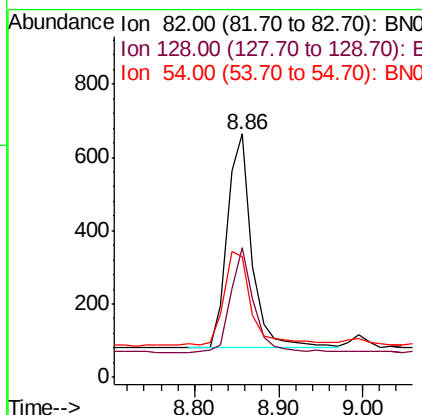
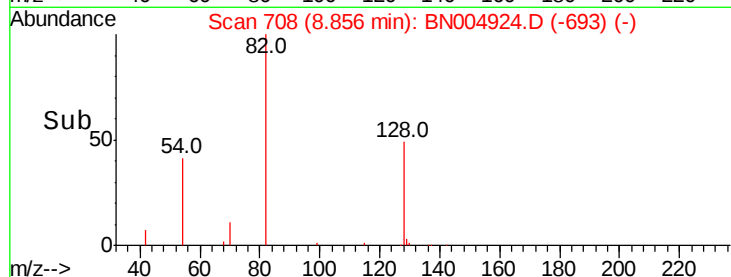
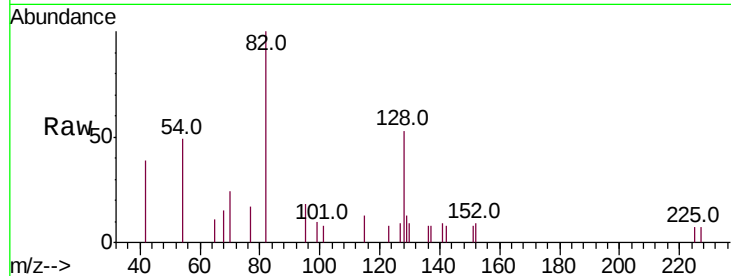
ClientSampleId :

PST-027-SW069-030719DL

Tot Ion:	82	Resp:	1189
Ion Ratio	Lower	Upper	
82	100		
128	53.2	43.0	64.6
54	49.4	35.3	52.9

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#9

Naphthalene

Concen: 0.116 ng

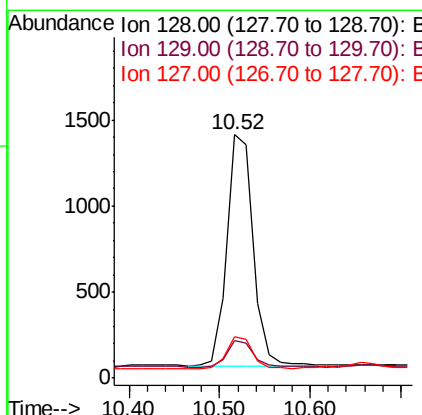
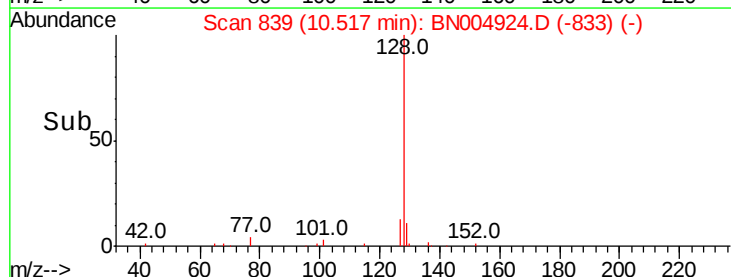
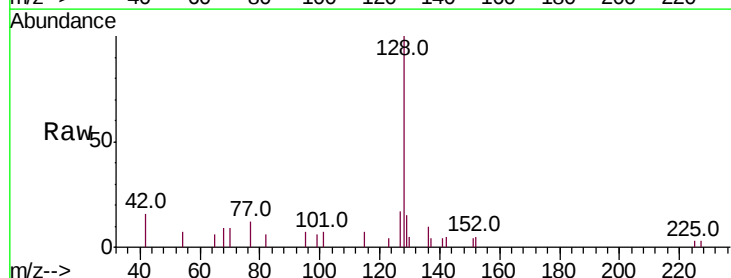
RT: 10.52 min Scan# 839

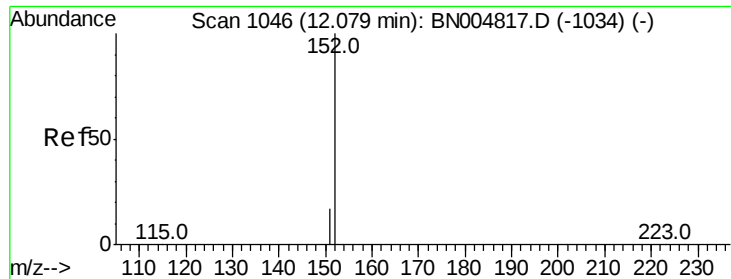
Delta R.T. -0.03 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Tgt Ion:	128	Resp:	2676
Ion Ratio	Lower	Upper	
128	100		
129	15.2	9.9	14.9#
127	16.8	11.3	16.9





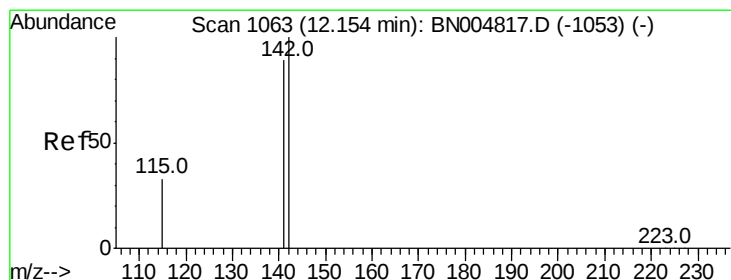
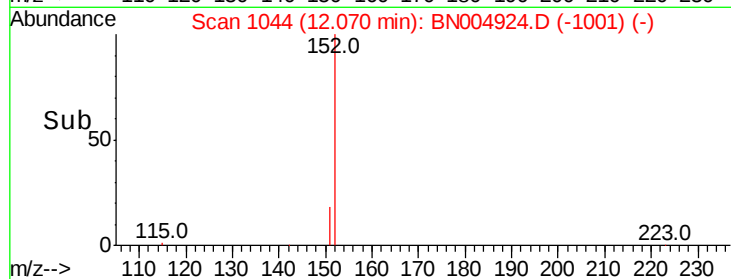
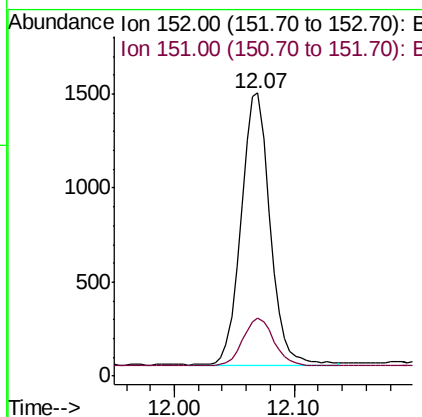
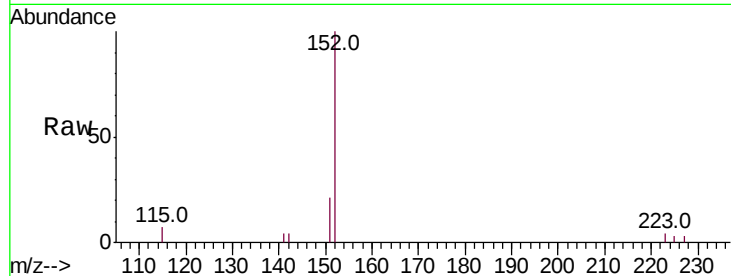
#11
 2-Methylnaphthalene-d10
 Concen: 0.167 ng
 RT: 12.07 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BN004924.D
 Acq: 23 Mar 2019 17:19

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3

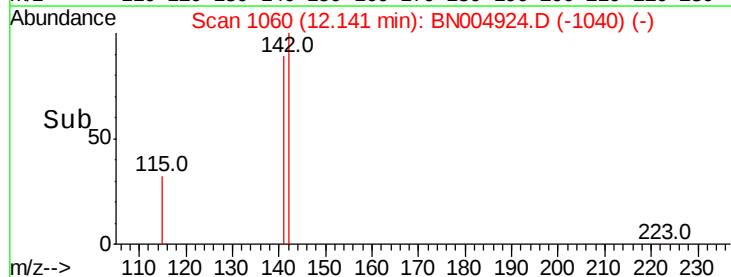
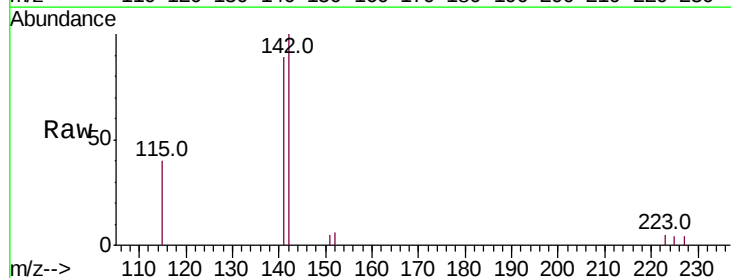
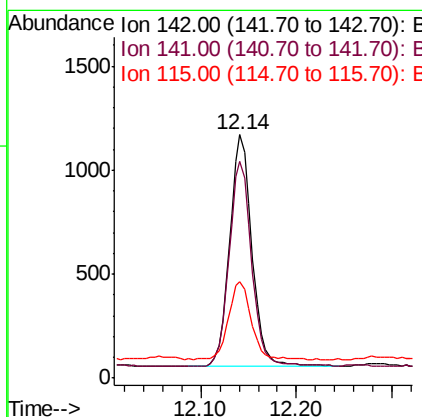
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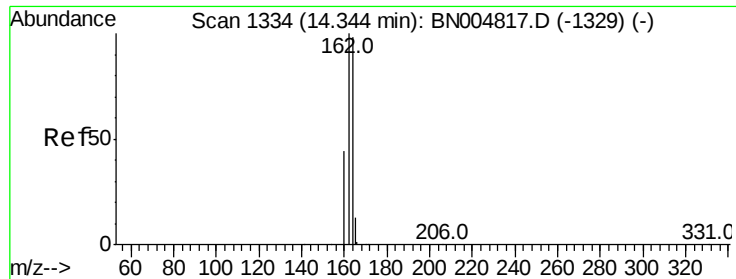
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#12
 2-Methylnaphthalene
 Concen: 0.104 ng
 RT: 12.14 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BN004924.D
 Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.2
115	39.6	27.5	41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Instrument :

BNA_N

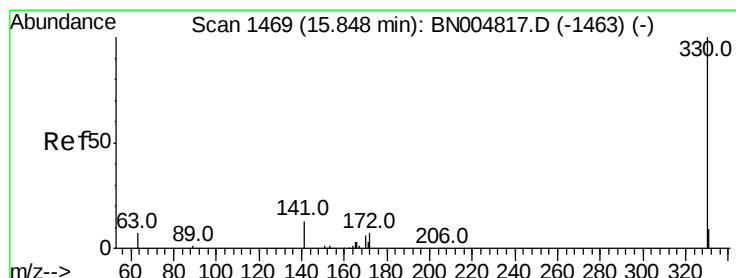
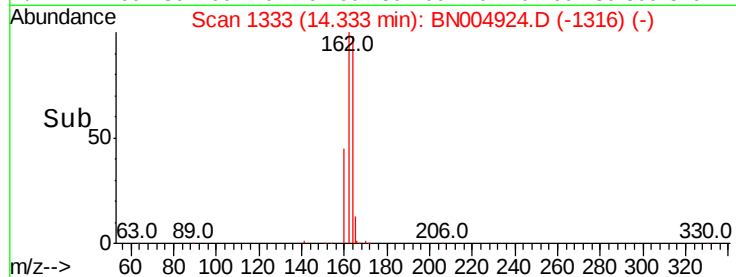
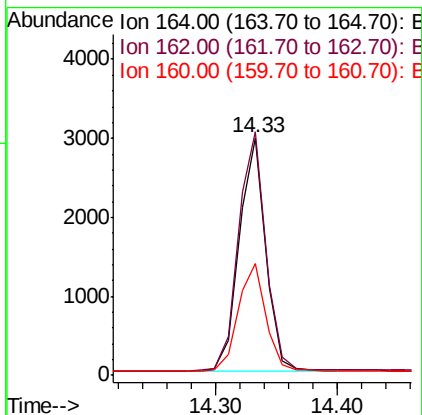
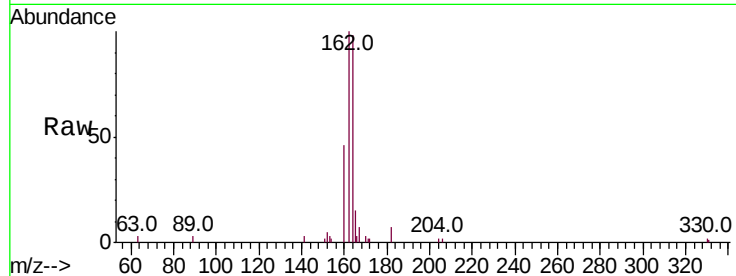
ClientSampleId :

PST-027-SW069-030719DL

Tot Ion:	164	Resp:	4483
Ion Ratio	Lower	Upper	
164	100		
162	102.4	81.9	122.9
160	47.1	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.187 ng

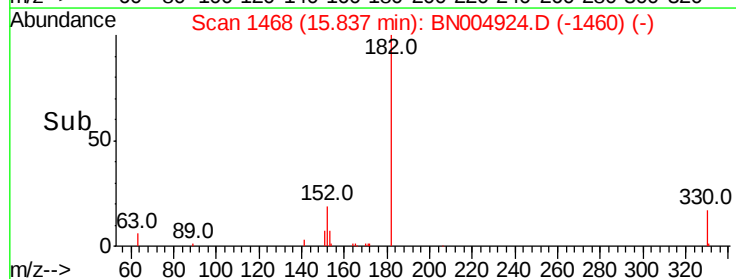
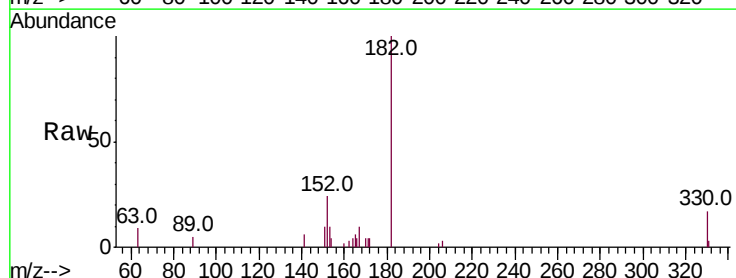
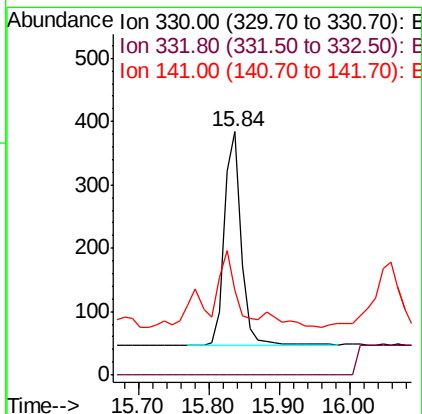
RT: 15.84 min Scan# 1468

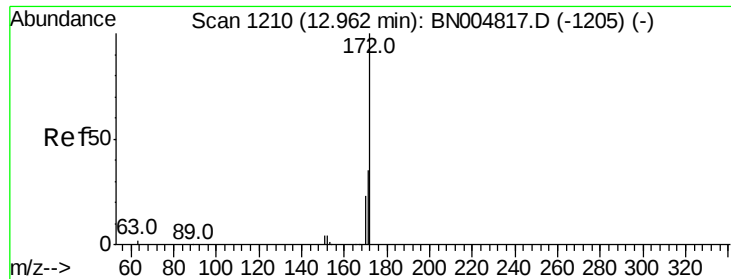
Delta R.T. -0.01 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Tgt Ion:	330	Resp:	580
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	30.2	20.9	31.3





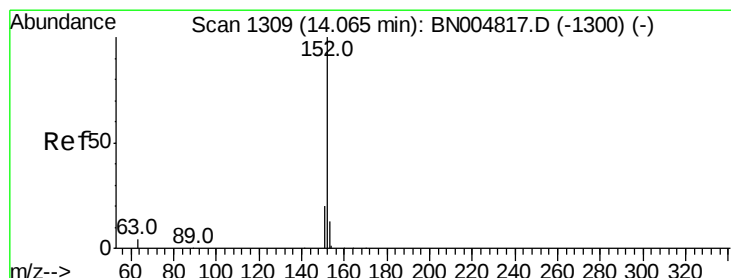
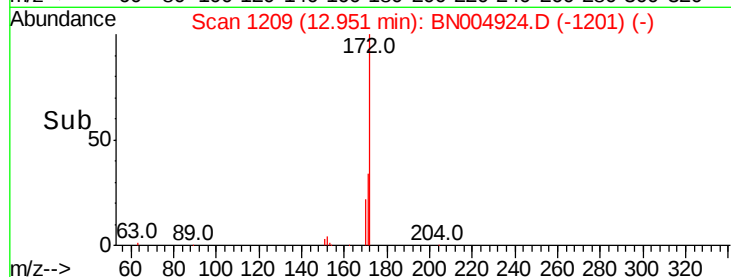
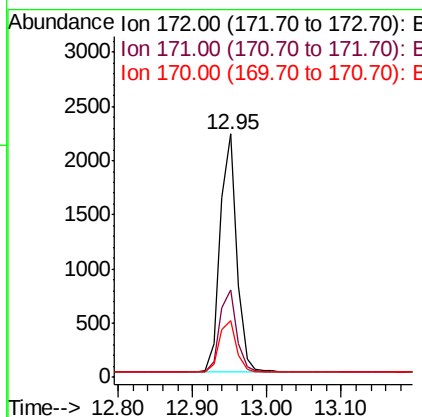
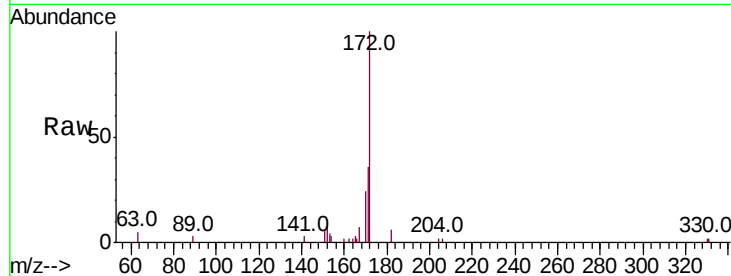
#15
2-Fluorobiphenyl
Concen: 0.185 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.6	18.7	28.1

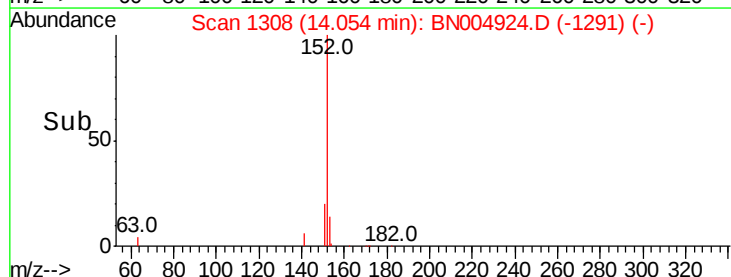
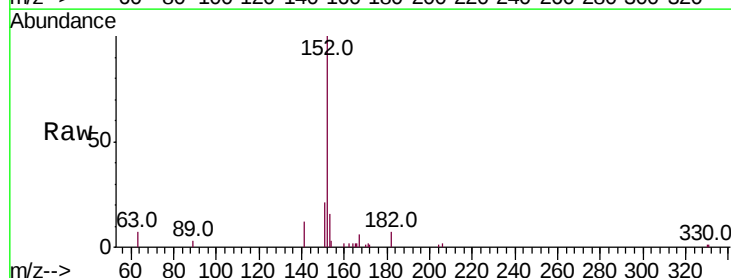
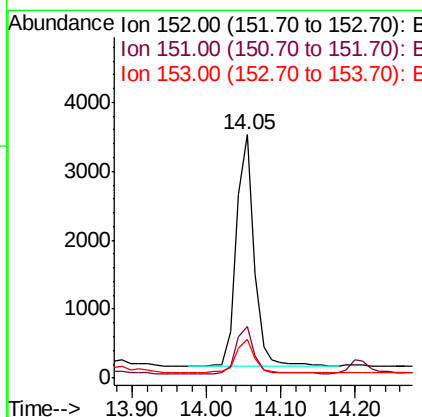
Manual Integrations
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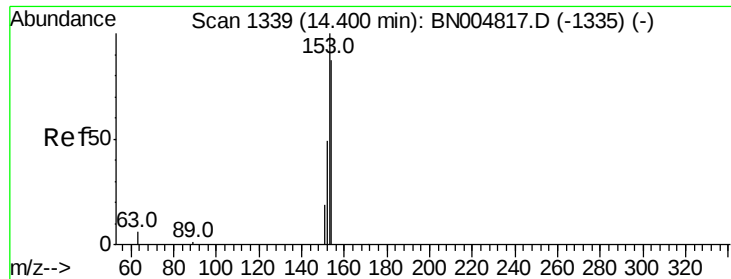
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#16
Acenaphthylene
Concen: 0.244 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.4	10.5	15.7





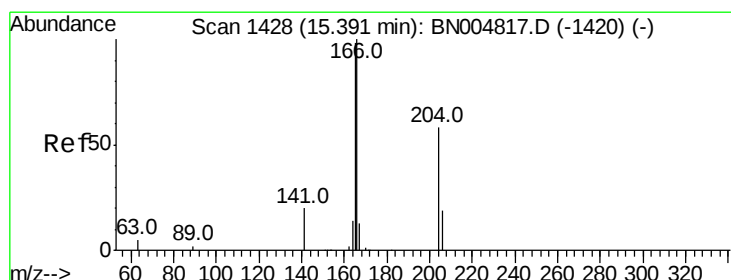
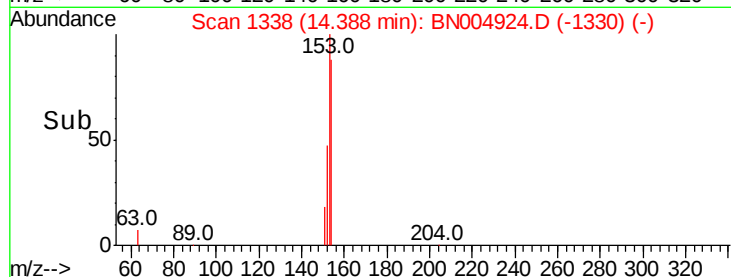
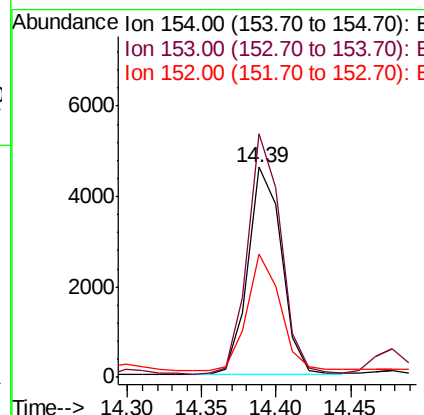
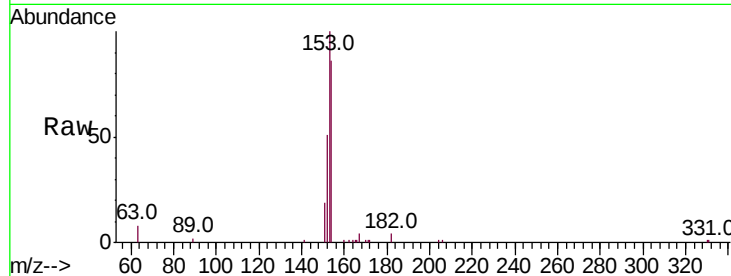
#17
Acenaphthene
Concen: 0.475 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

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

Tot Ion:	154	Resp:	7187
Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.4	137.2
152	54.7	44.2	66.2

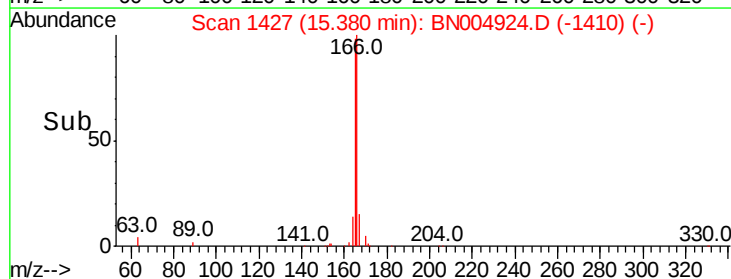
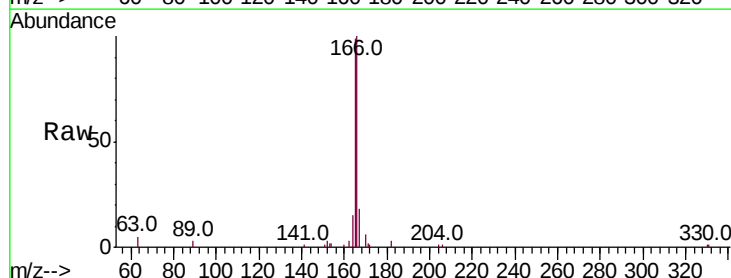
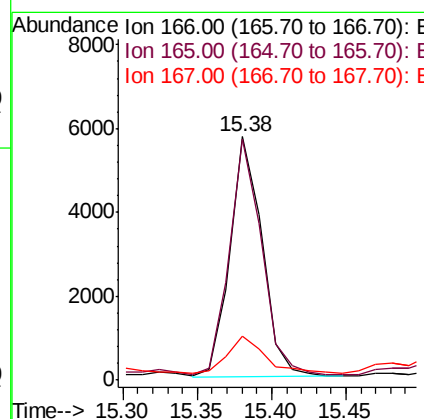
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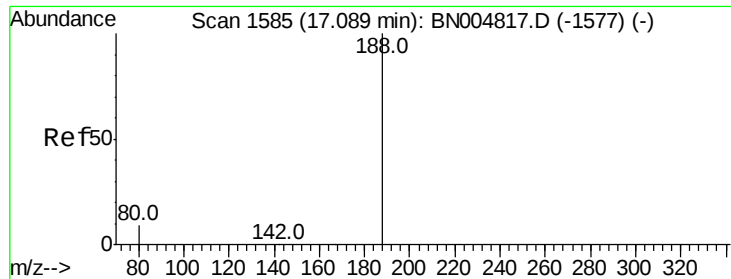
Sohil
3/25/2019 1:34:28 PM



#18
Fluorene
Concen: 0.406 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

Tgt Ion:	166	Resp:	8578
Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.2	117.4
167	17.1	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: BN004924.D

Acq: 23 Mar 2019 17:19

Instrument :

BNA_N

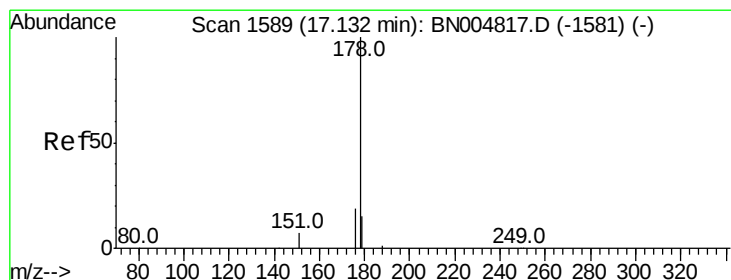
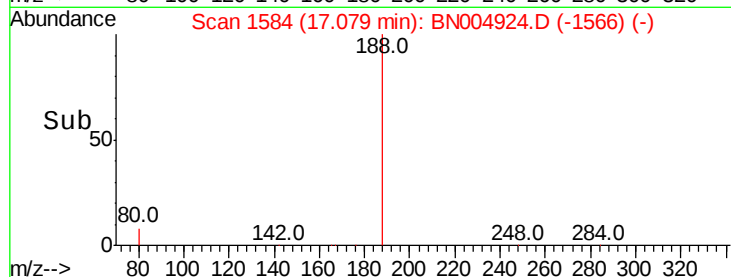
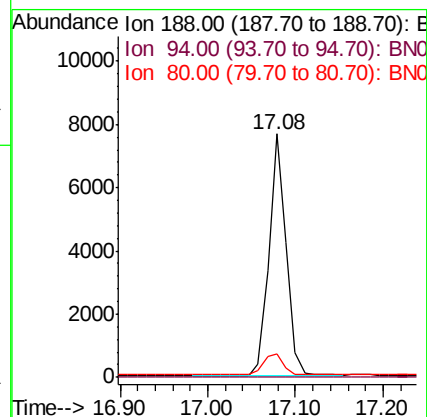
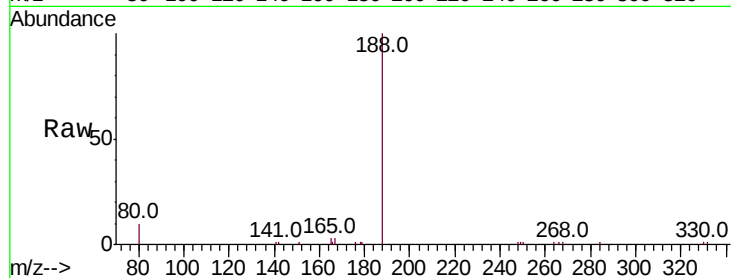
ClientSampleId :

PST-027-SW069-030719DL

Tot Ion:	188	Resp:	10528
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.6	7.4	11.2

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#23

Phenanthrene

Concen: 4.261 ng

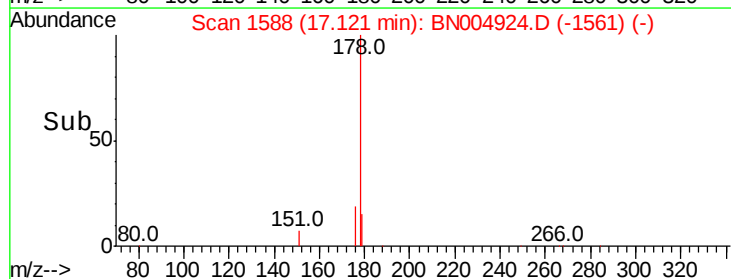
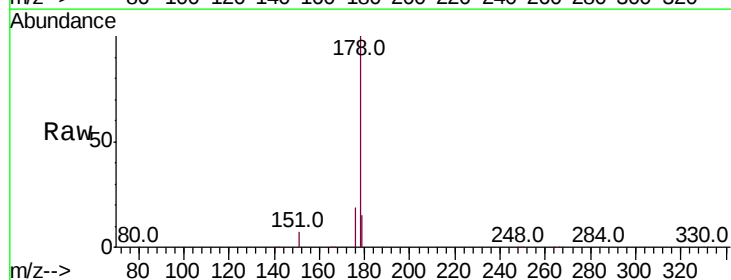
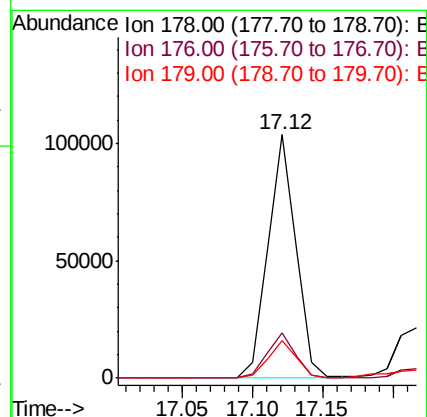
RT: 17.12 min Scan# 1588

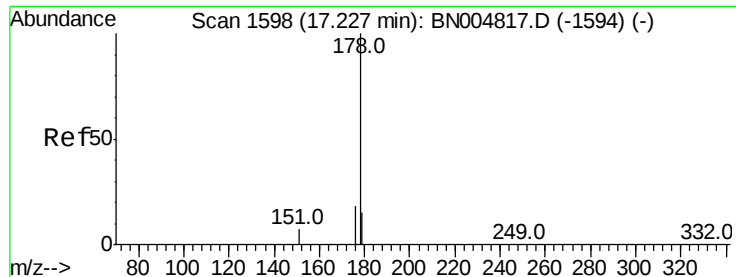
Delta R.T. -0.01 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Tgt Ion:	178	Resp:	144836
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.4	12.1	18.1





#24

Anthracene

Concen: 1.066 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Instrument :

BNA_N

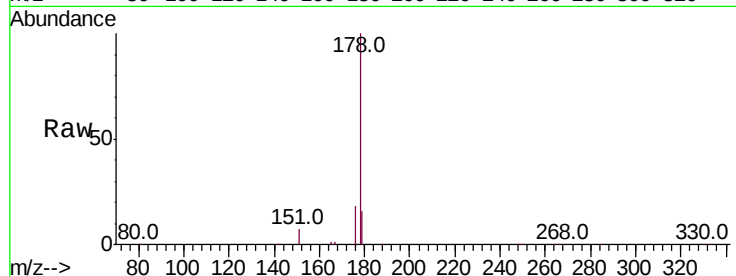
ClientSampled :

PST-027-SW069-030719DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.5	21.7
179	21.6	12.2	18.4

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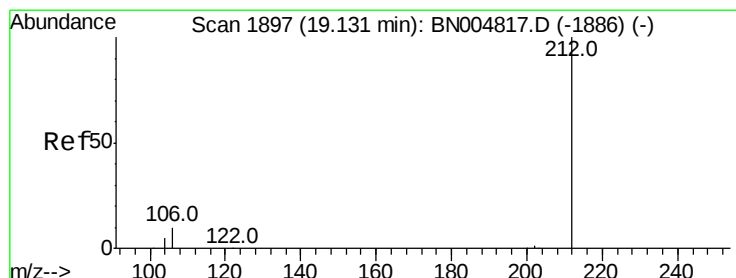
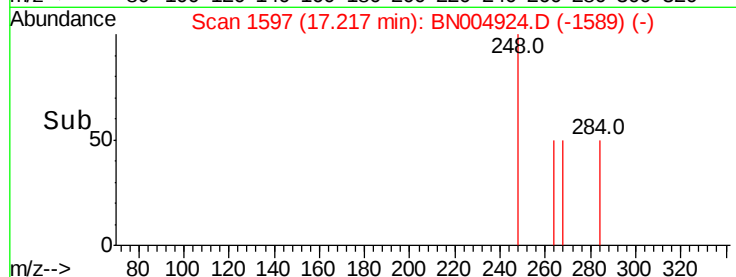
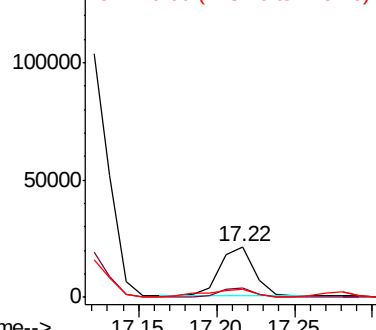
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.158 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004924.D

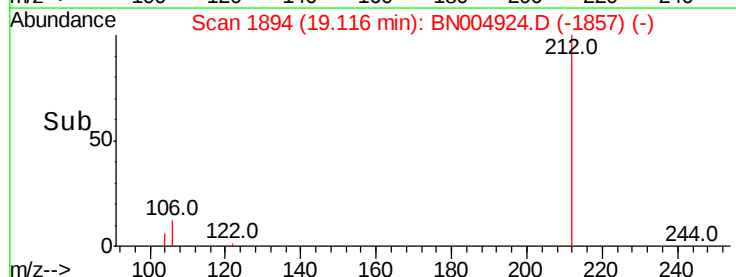
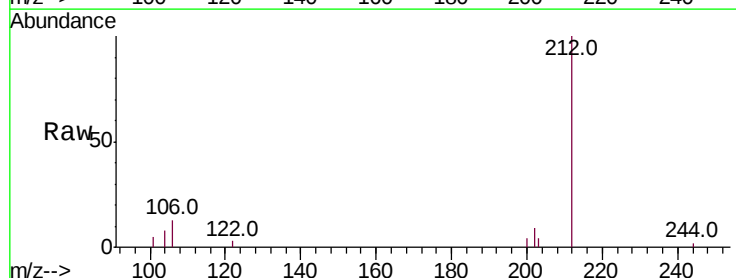
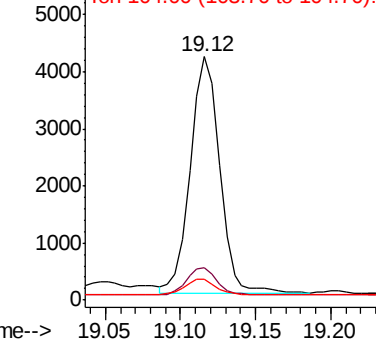
Acq: 23 Mar 2019 17:19

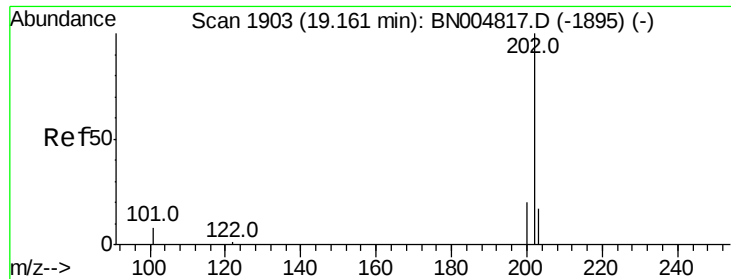
Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.3	8.6	13.0
104	7.0	4.7	7.1

Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





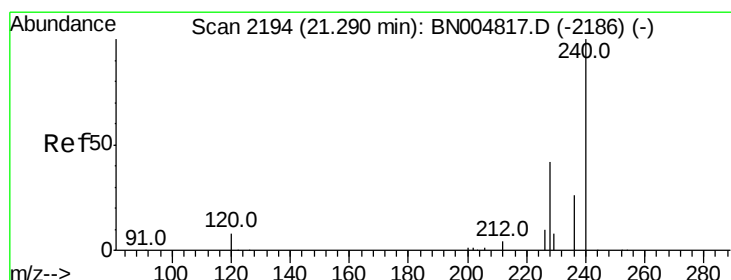
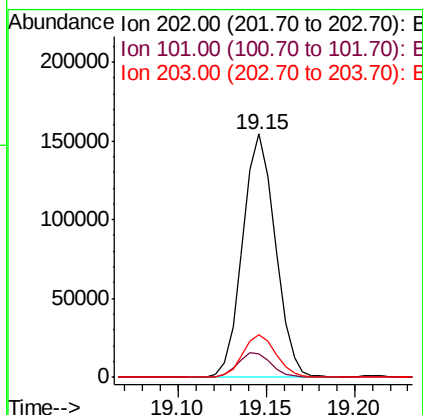
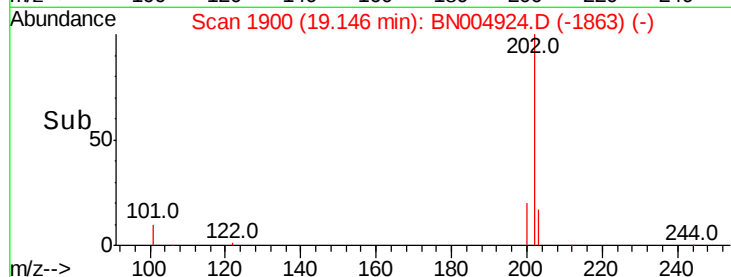
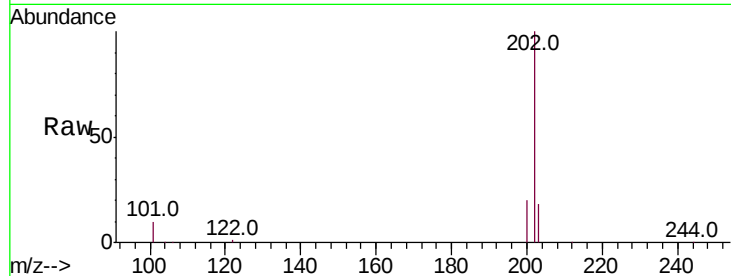
#26
Fluoranthene
 Concen: 4.535 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004924.D
 Acq: 23 Mar 2019 17:19

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	7.5	11.3
203	17.6	13.8	20.6

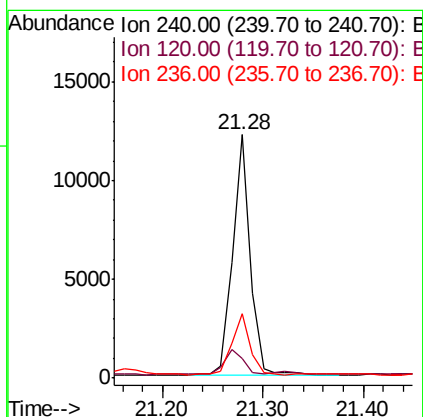
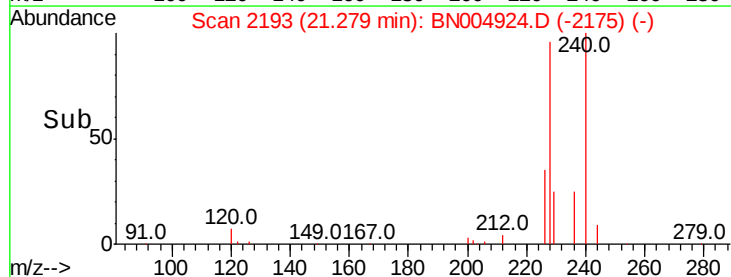
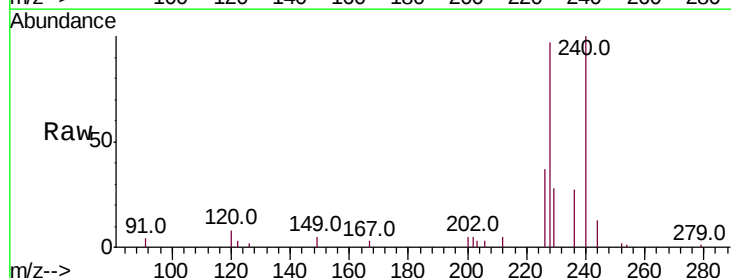
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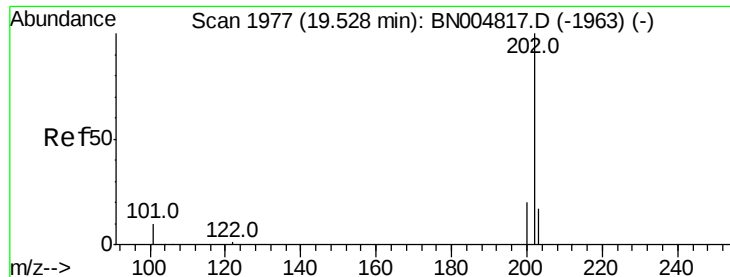
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004924.D
 Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.0	7.2	10.8
236	26.6	20.9	31.3





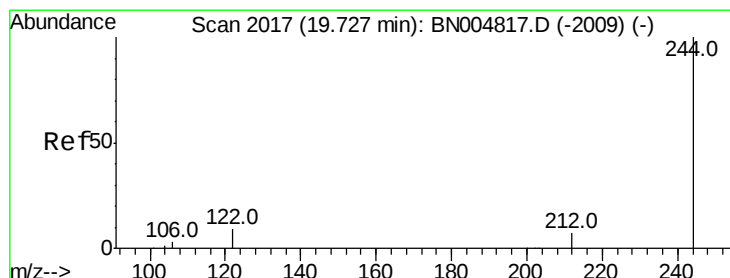
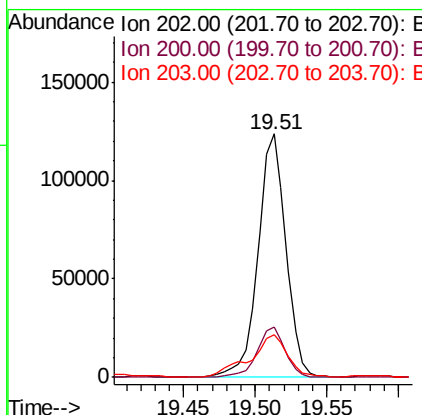
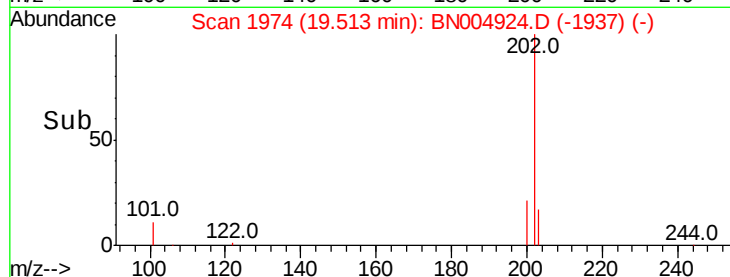
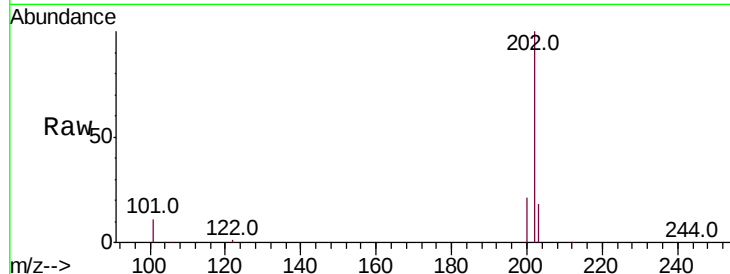
#28
Pvrene
Concen: 3.675 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

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

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	16.3	24.5
203	23.0	14.0	21.0

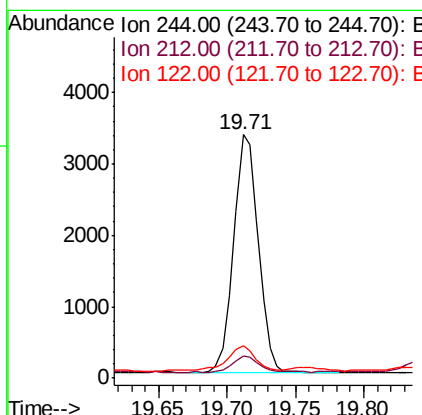
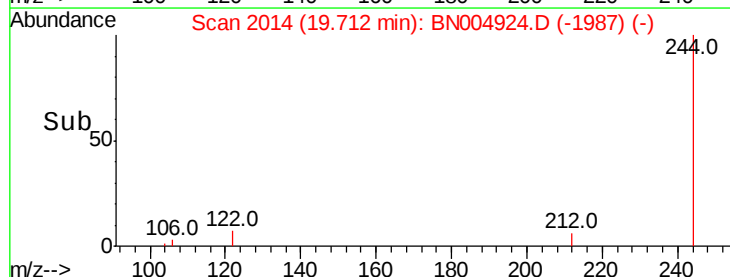
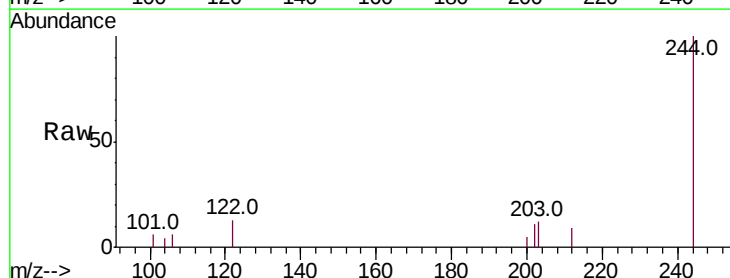
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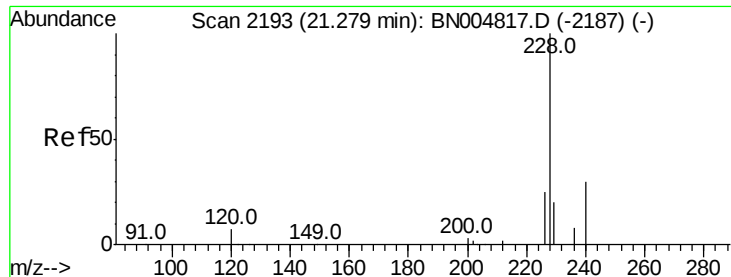
Sohil
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#29
Terphenyl-d14
Concen: 0.137 ng
RT: 19.71 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.3	5.8	8.6
122	13.4	7.9	11.9





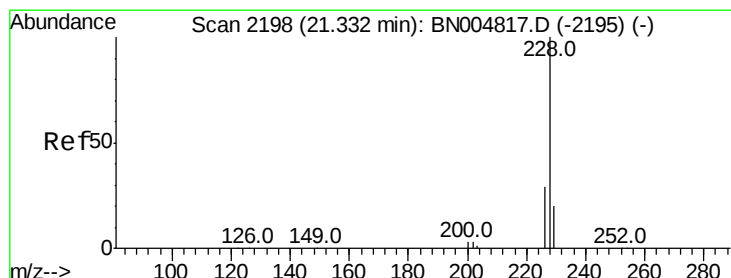
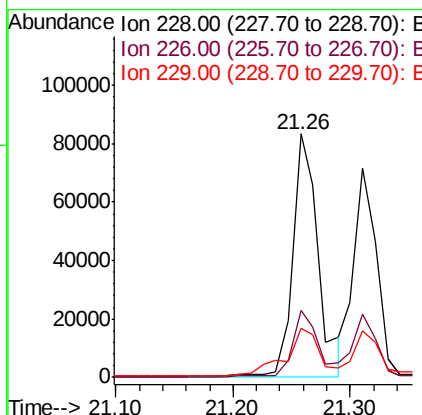
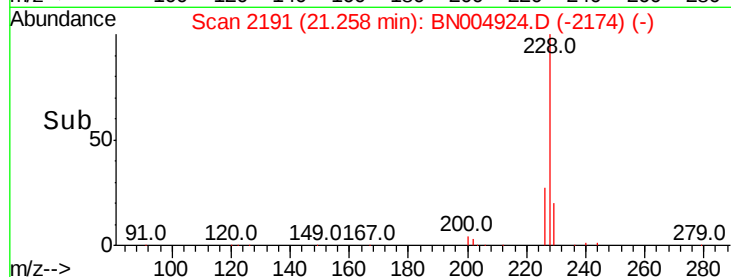
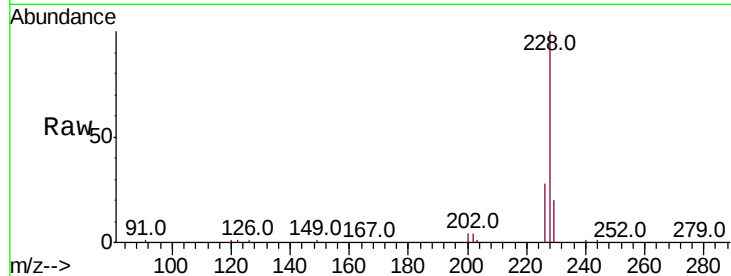
#30
Benzo(a)anthracene
Concen: 2.576 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	20.6	31.0
229	20.4	16.2	24.4

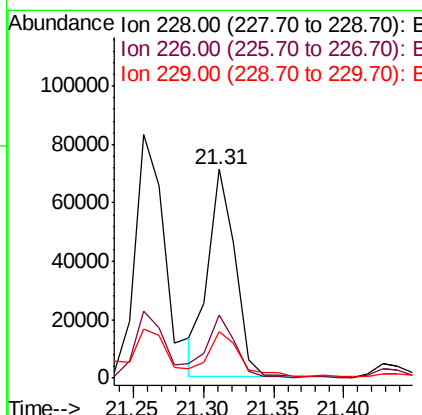
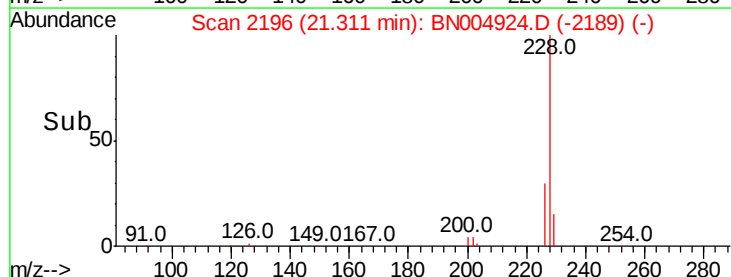
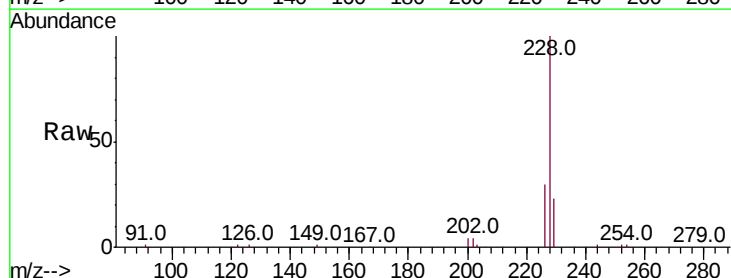
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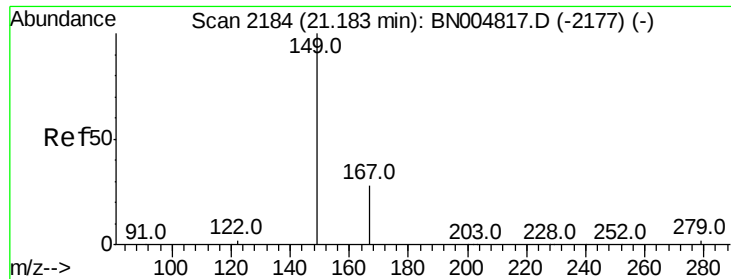
Sohil
3/25/2019 1:34:28 PM



#31
Chrysene
Concen: 1.856 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.0	34.6
229	22.6	16.2	24.2





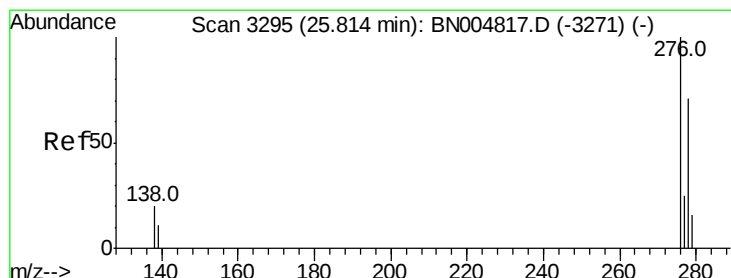
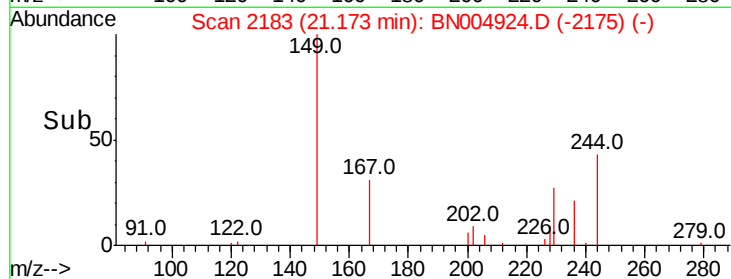
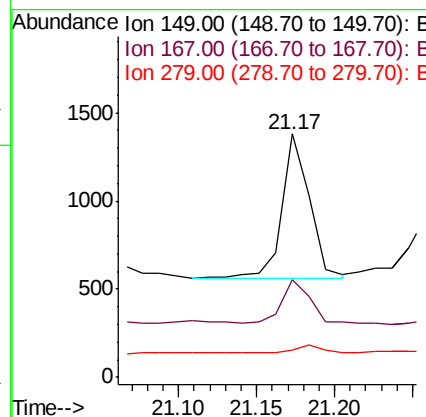
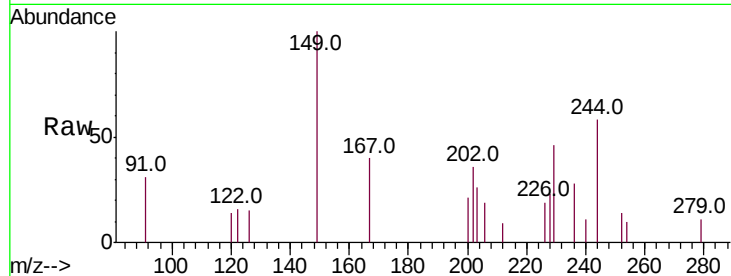
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.051 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004924.D
 Acq: 23 Mar 2019 17:19

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	32.7	23.0	34.4
279	5.6	4.6	6.8

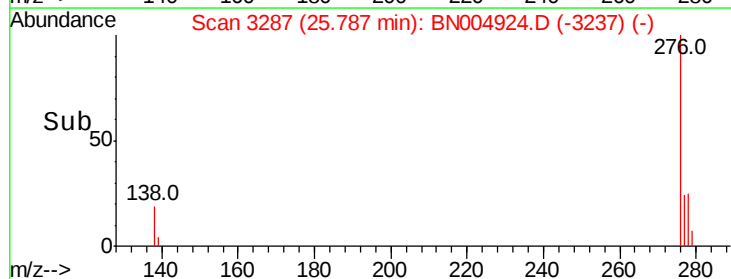
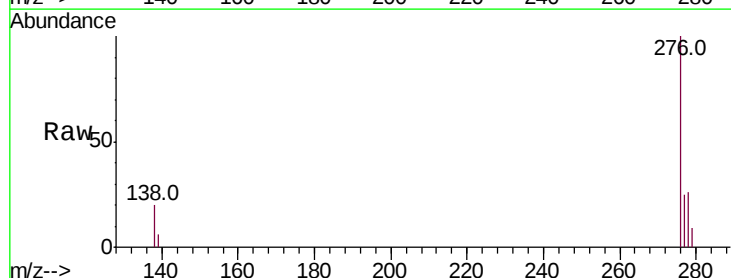
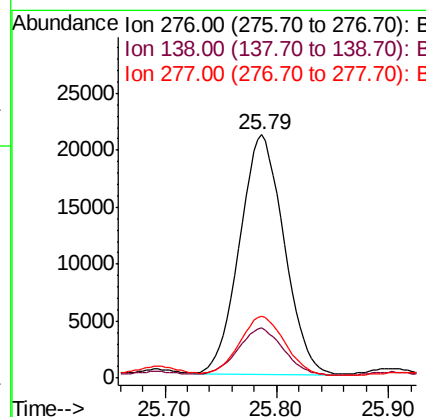
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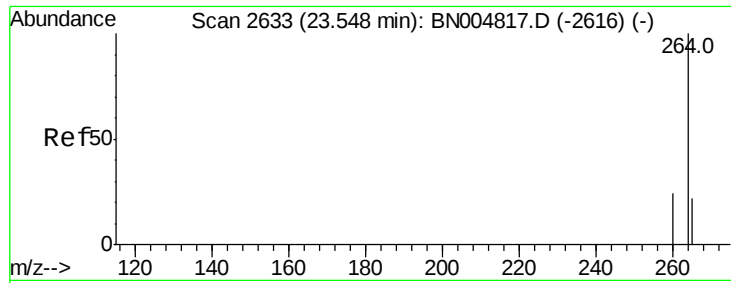
Sohil
 3/25/2019 1:34:28 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.779 ng
 RT: 25.79 min Scan# 3287
 Delta R.T. -0.03 min
 Lab File: BN004924.D
 Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	16.6	24.8
277	25.4	20.3	30.5





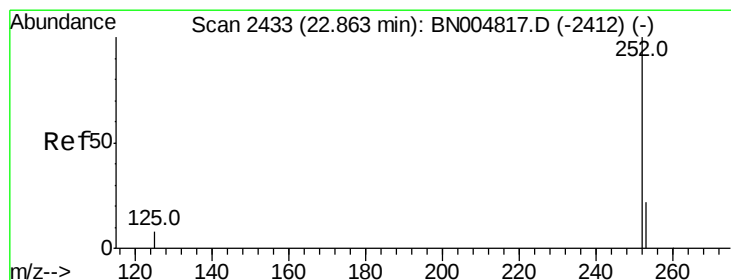
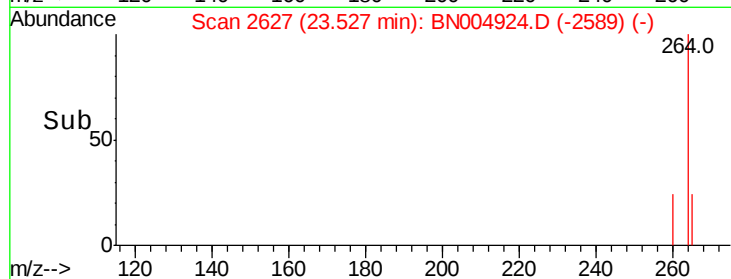
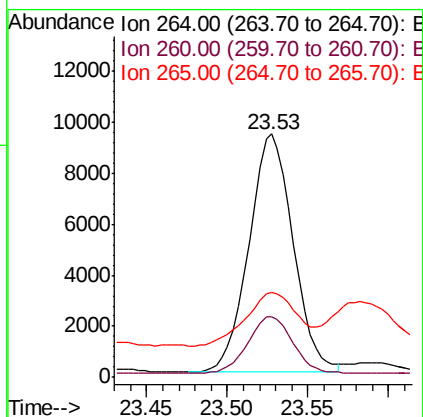
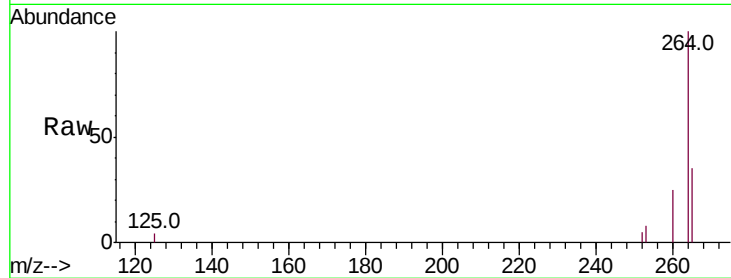
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	34.9	23.1	34.7

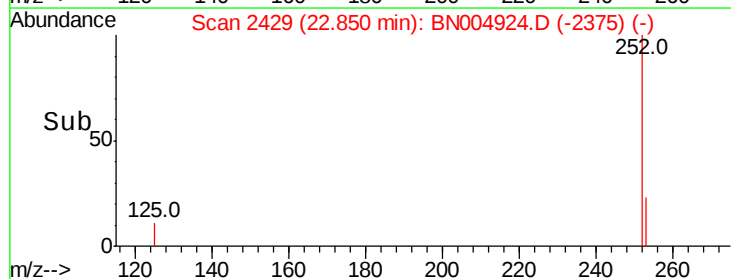
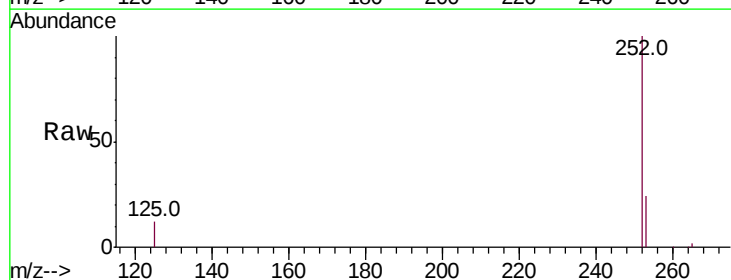
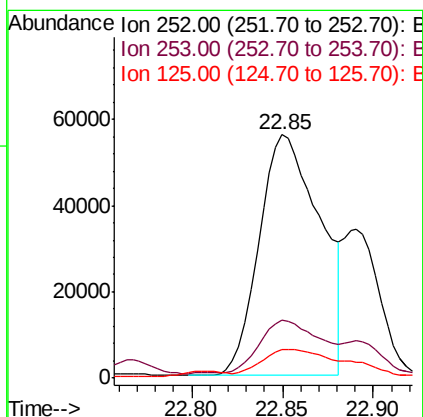
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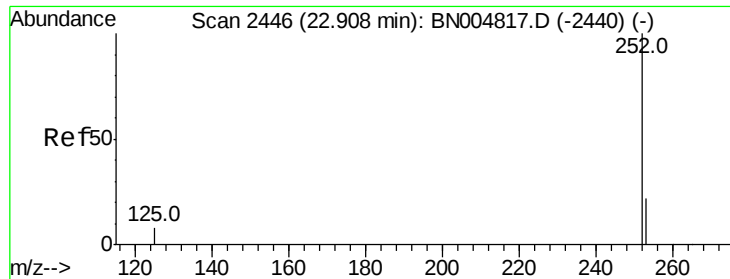
Sohil
3/25/2019 1:34:28 PM



#35
Benzo(b)fluoranthene
Concen: 2.049 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.4
125	11.6	7.4	11.2





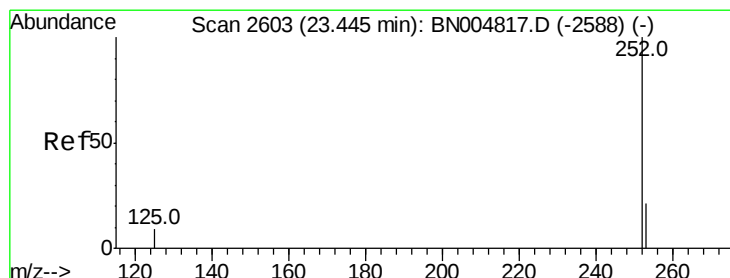
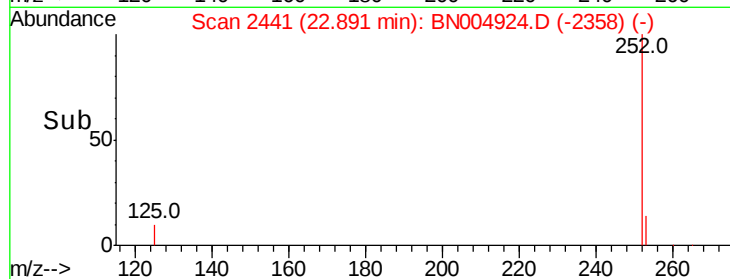
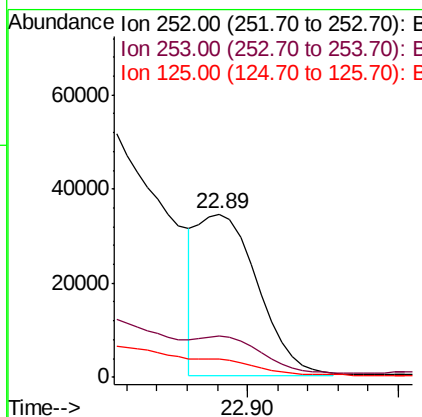
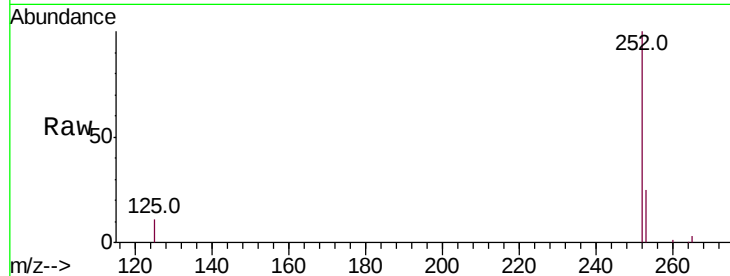
#36
Benzo(k)fluoranthene
Concen: 0.755 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.3	28.9
125	10.9	7.4	11.0

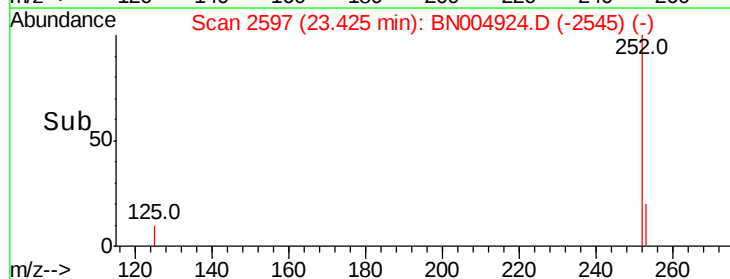
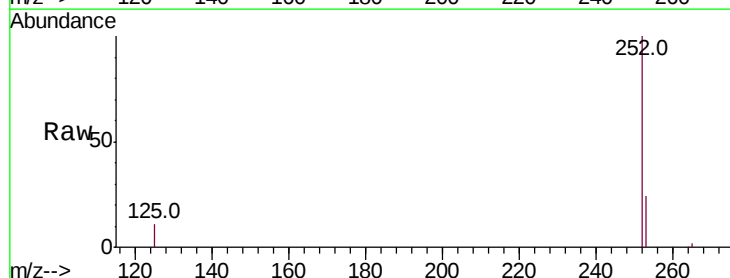
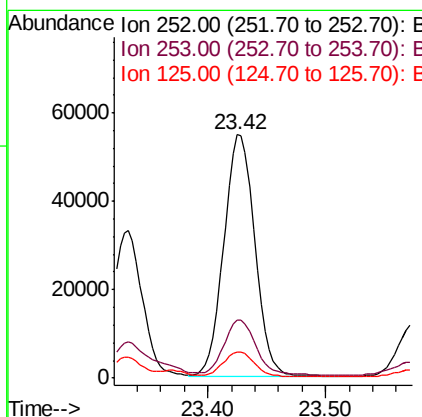
Manual Integrations
APPROVED

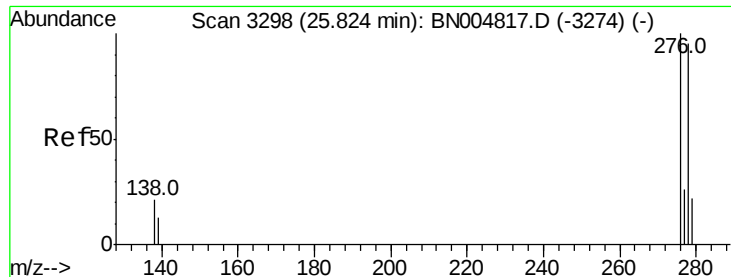
Sohil
3/25/2019 1:34:28 PM



#37
Benzo(a)pyrene
Concen: 1.693 ng
RT: 23.42 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BN004924.D
Acq: 23 Mar 2019 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.7	29.5
125	10.9	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.278 ng

RT: 25.79 min Scan# 3288

Delta R.T. -0.03 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Instrument :

BNA_N

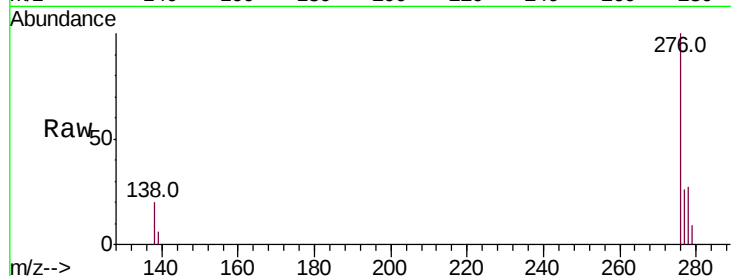
ClientSampleId :

PST-027-SW069-030719DL

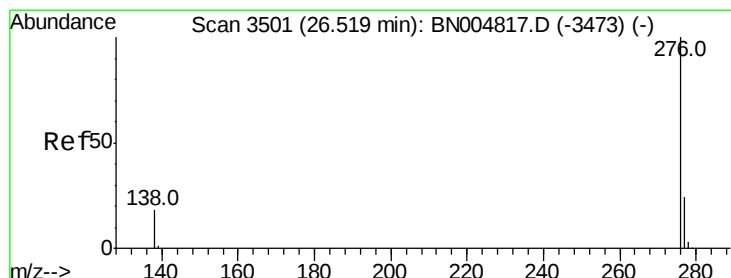
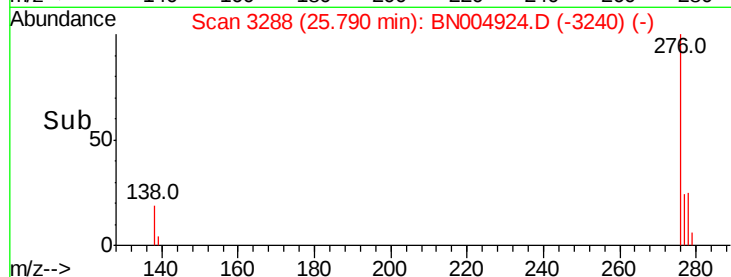
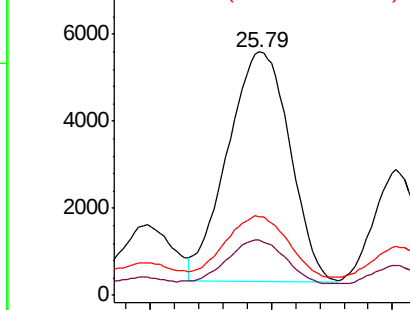
Tot Ion:	278	Resp:	18841
Ion Ratio	Lower	Upper	
278	100		
139	22.9	11.7	17.5#
279	32.2	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:28 PM



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: 0.717 ng

RT: 26.48 min Scan# 3491

Delta R.T. -0.03 min

Lab File: BN004924.D

Acq: 23 Mar 2019 17:19

Tgt Ion:	276	Resp:	49543
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.7	29.5
138	20.5	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

