

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004913.D
 Acq On : 23 Mar 2019 07:58
 Operator : JU/SJ
 Sample : K1817-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B111-030619

Manual Integrations
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Sohil
 3/25/2019 8:57:06 AM

Quant Time: Mar 24 00:50:24 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	4215	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	17895	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	9845	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	22632	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	20546	0.40	ng	-0.01
34) Perylene-d12	23.53	264	18565	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	4737	0.41	ng	0.00
5) Phenol-d6	6.86	99	6018	0.42	ng	-0.02
8) Nitrobenzene-d5	8.86	82	4920	0.42	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	10071	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.83	330	2417	0.36	ng	-0.02
15) 2-Fluorobiphenyl	12.95	172	14197	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	20480	0.27	ng	-0.01
29) Terphenyl-d14	19.72	244	14971	0.36	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	4066	0.081	ng	96
12) 2-Methylnaphthalene	12.14	142	2315	0.062	ng	97
16) Acenaphthylene	14.05	152	20845	0.411	ng	100
17) Acenaphthene	14.39	154	1449	0.044	ng	# 87
18) Fluorene	15.38	166	4516	0.097	ng	# 87
23) Phenanthrene	17.12	178	93545	1.280	ng	99
24) Anthracene	17.22	178	14601	0.224	ng	99
26) Fluoranthene	19.15	202	171697	1.828	ng	# 96
28) Pyrene	19.51	202	193249	3.085	ng	96
30) Benzo(a)anthracene	21.27	228	88378m	1.312	ng	
31) Chrysene	21.32	228	89690	1.264	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	8995	0.334	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	48995	0.477	ng	99
35) Benzo(b)fluoranthene	22.85	252	99748	1.485	ng	# 69
36) Benzo(k)fluoranthene	22.89	252	32890m	0.498	ng	
37) Benzo(a)pyrene	23.43	252	71380	1.159	ng	# 98
38) Dibenzo(a,h)anthracene	25.80	278	13699	0.192	ng	# 72
39) Benzo(a,h,i)perylene	26.49	276	51514	0.709	ng	96

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

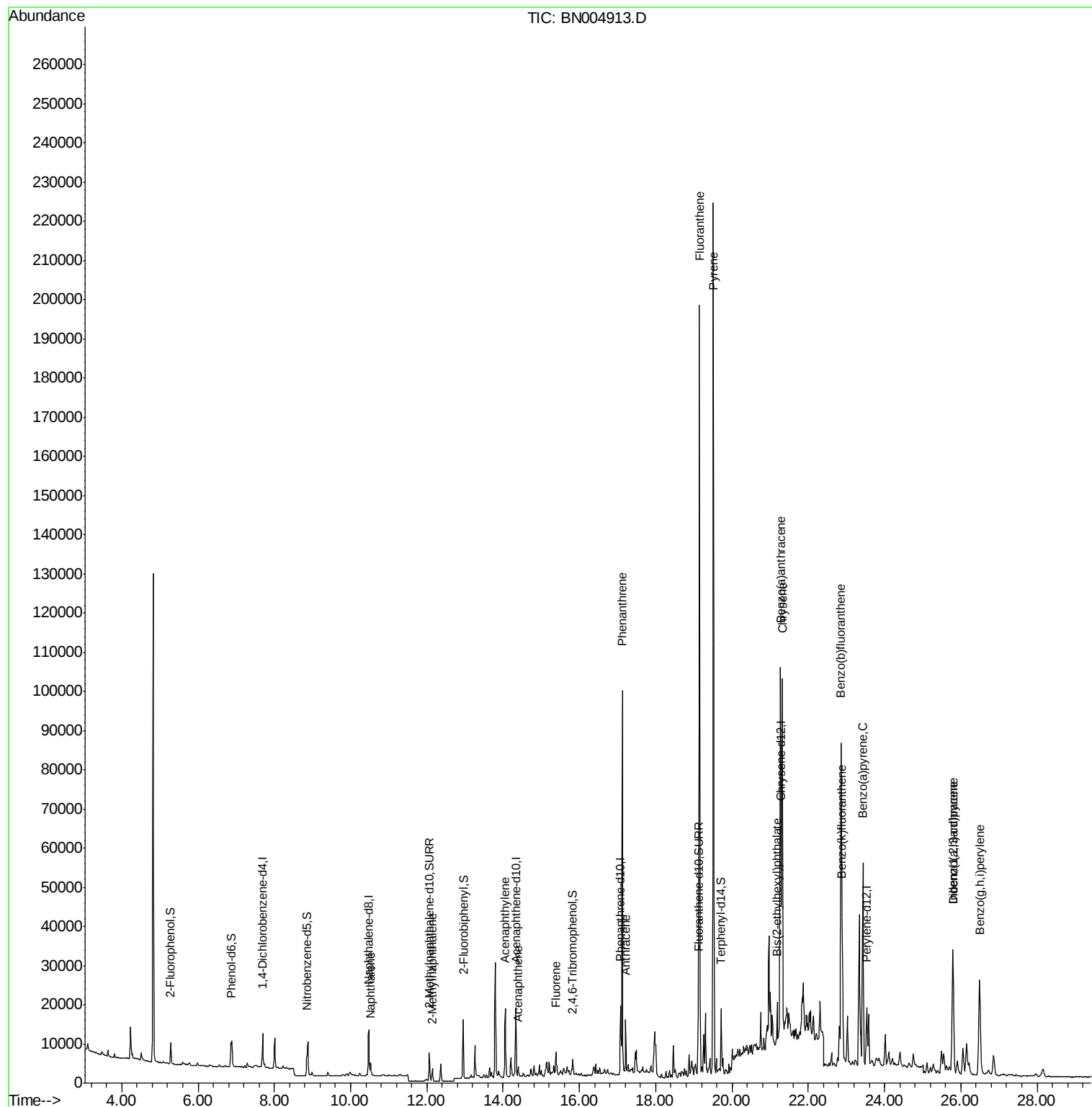
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004913.D
Acq On : 23 Mar 2019 07:58
Operator : JU/SJ
Sample : K1817-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

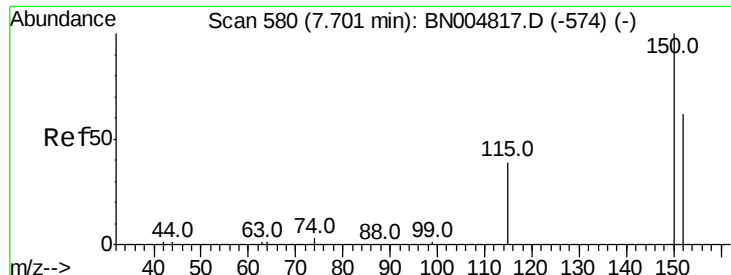
Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Manual Integrations
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3/25/2019 8:57:06 AM

Quant Time: Mar 24 00:50:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

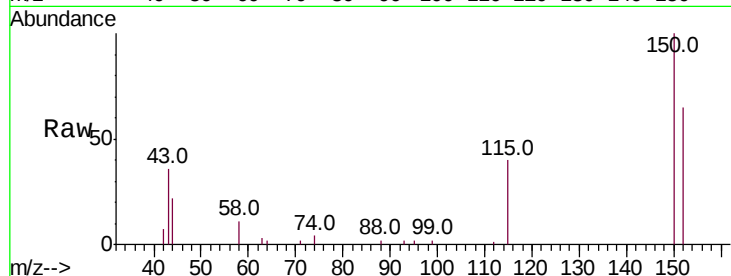
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.4
115	61.6	52.6	79.0

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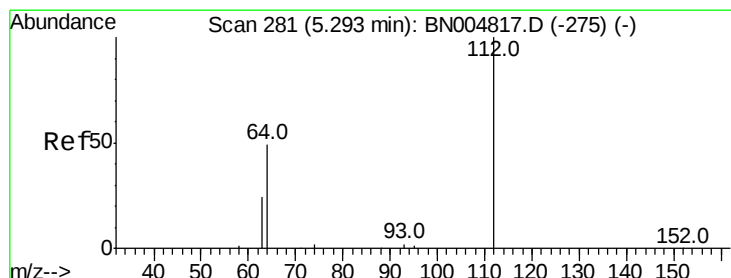
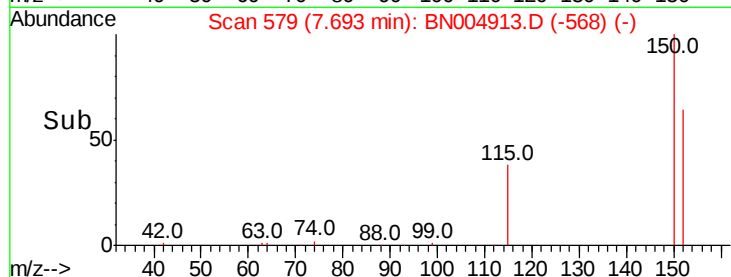
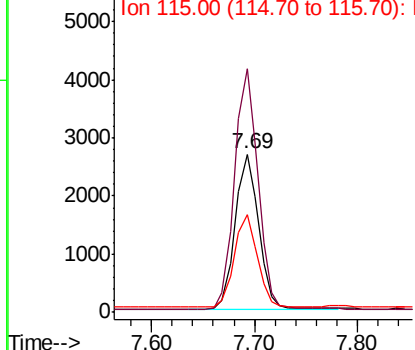


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

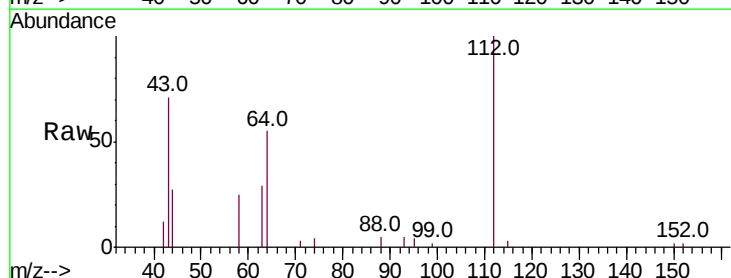
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.414 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	40.0	60.0
63	27.0	20.2	30.2

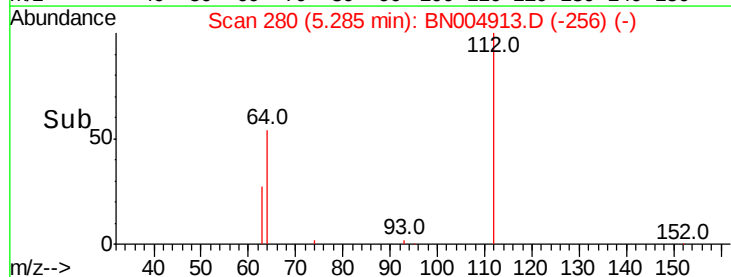
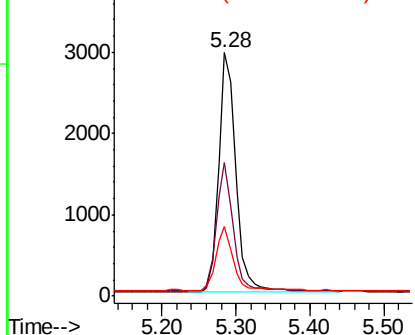


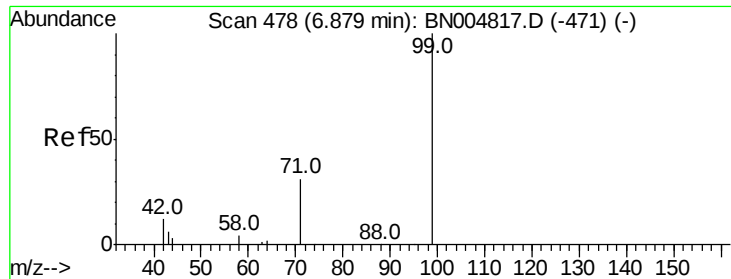
Abundance

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: 0.422 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Instrument :

BNA_N

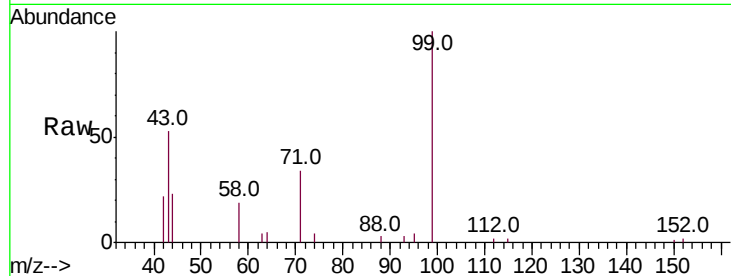
ClientSampleId :

PST-027-B111-030619

Tot Ion:	99	Resp:	6018
Ion	Ratio	Lower	Upper
99	100		
42	20.6	12.7	19.1#
71	32.5	26.6	40.0

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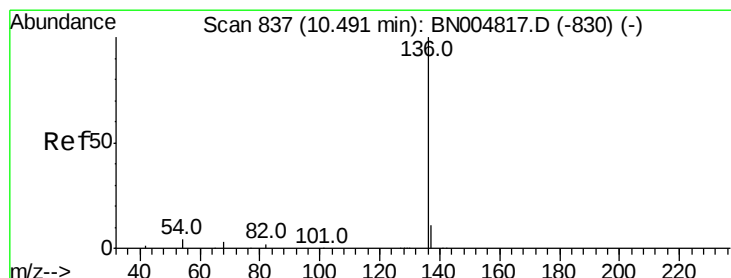
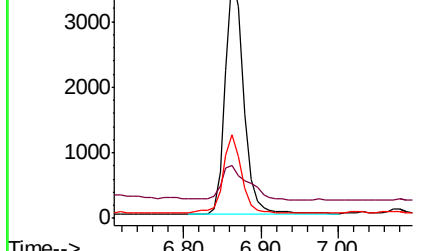
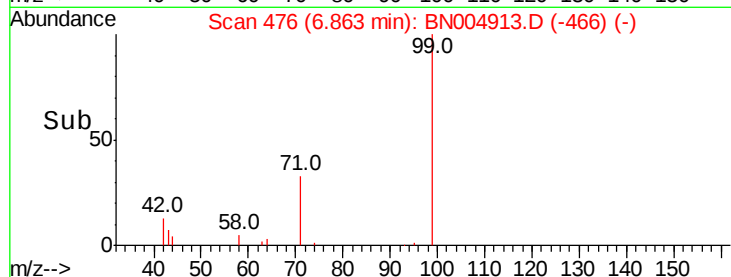


Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Tgt Ion:	136	Resp:	17895
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	4.8	4.2	6.2
68	4.3	3.9	5.9

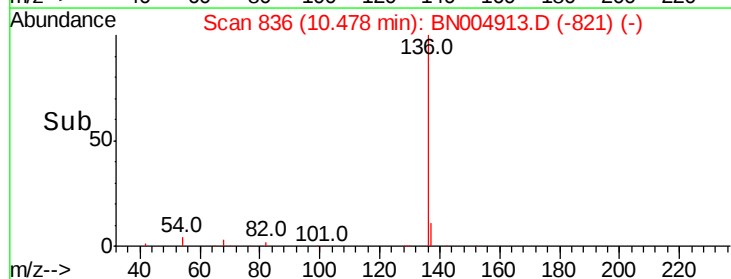
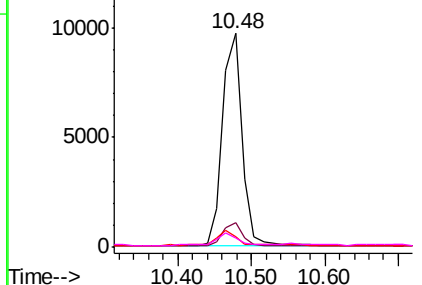
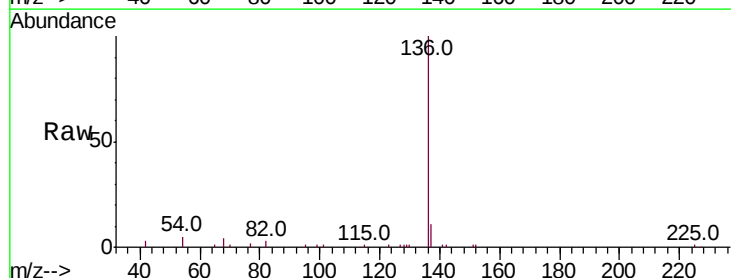
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

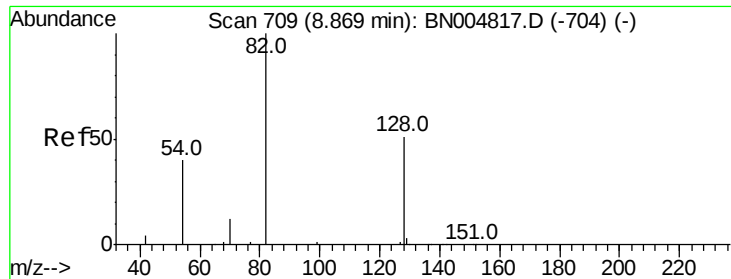
Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.416 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Instrument :

BNA_N

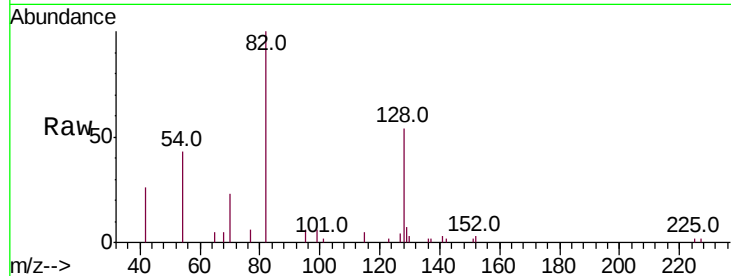
ClientSampleId :

PST-027-B111-030619

Tot Ion:	82	Resp:	4920
Ion Ratio	Lower	Upper	
82	100		
128	54.5	43.0	64.6
54	43.3	35.3	52.9

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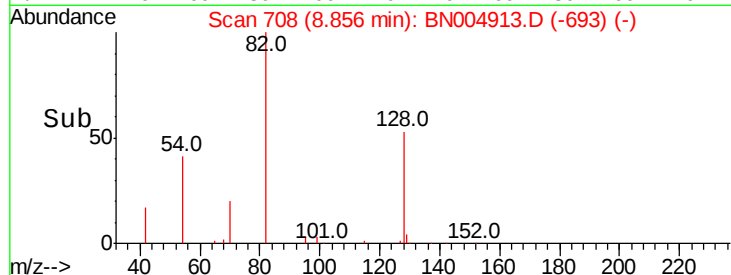
Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

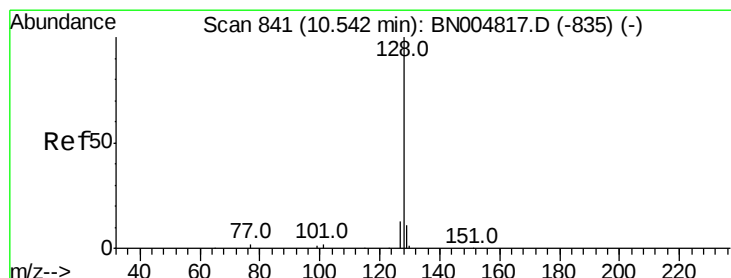
8.86

Time-->



8.86

Time-->



#9

Naphthalene

Concen: 0.081 ng

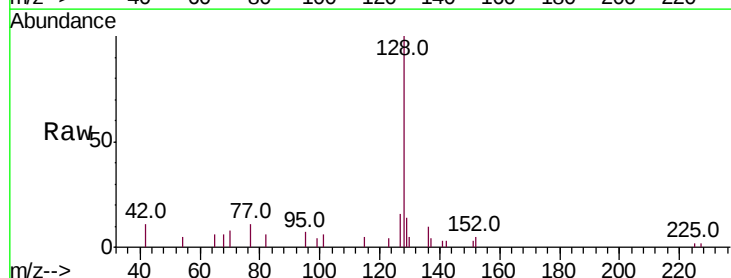
RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Tgt Ion:	128	Resp:	4066
Ion Ratio	Lower	Upper	
128	100		
129	14.0	9.9	14.9
127	15.8	11.3	16.9



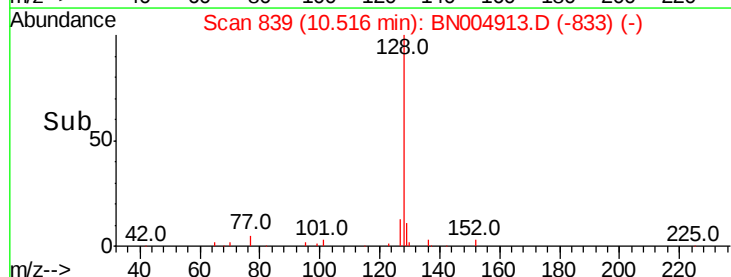
Abundance Ion 128.00 (127.70 to 128.70): BN004817.D (-835) (-)

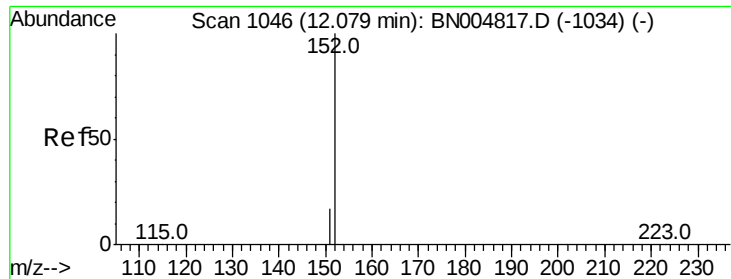
Ion 129.00 (128.70 to 129.70): BN004817.D (-835) (-)

Ion 127.00 (126.70 to 127.70): BN004817.D (-835) (-)

10.52

Time-->





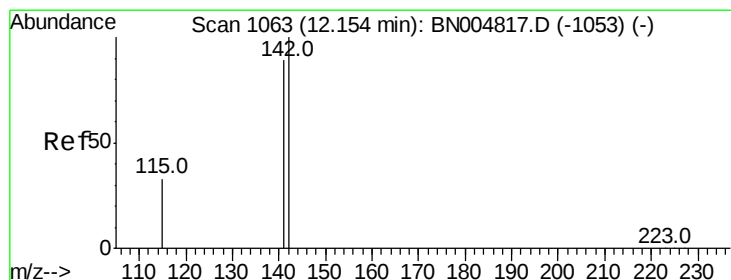
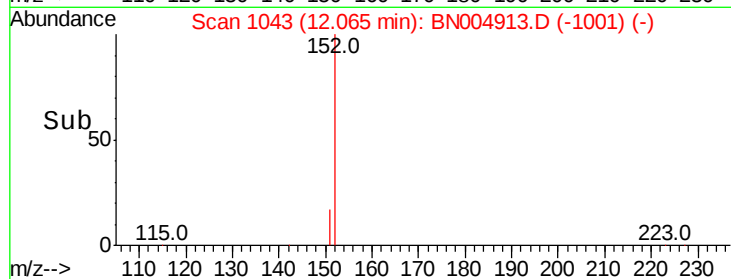
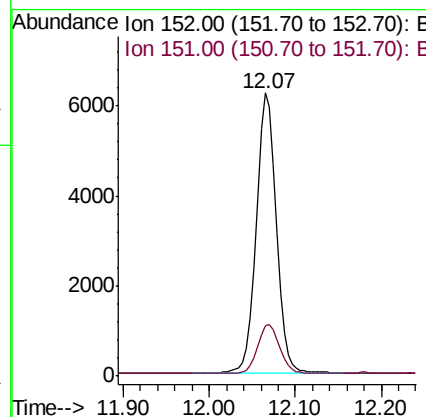
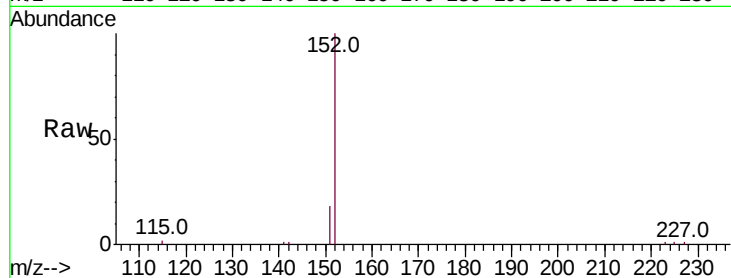
#11
 2-Methylnaphthalene-d10
 Concen: 0.323 ng
 RT: 12.07 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BN004913.D
 Acq: 23 Mar 2019 07:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.5	23.3

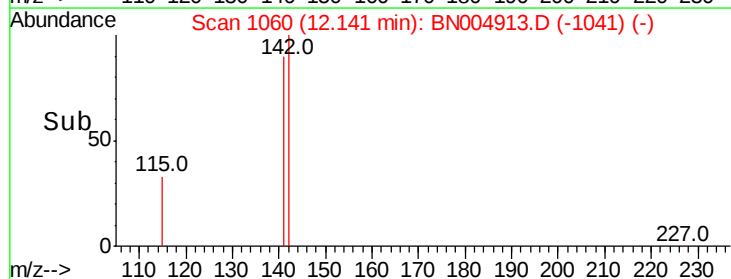
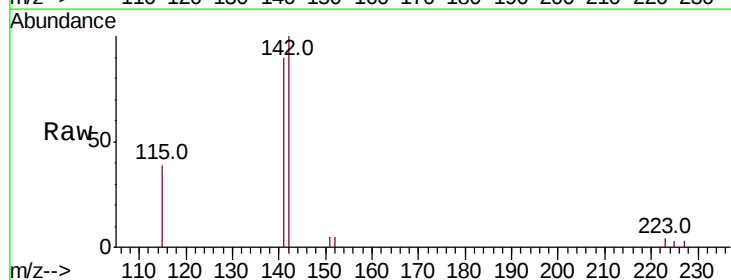
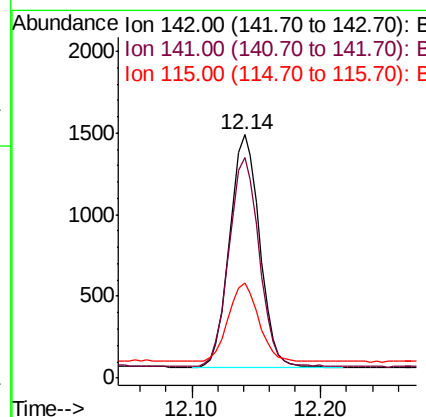
Manual Integrations
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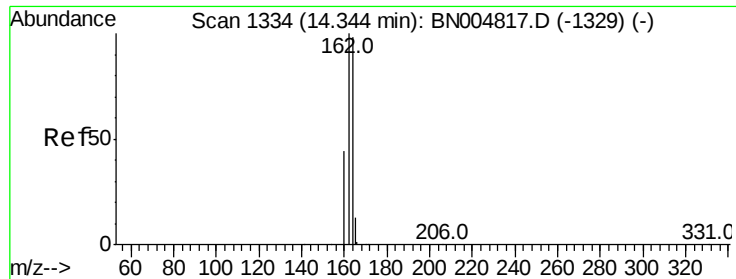
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#12
 2-Methylnaphthalene
 Concen: 0.062 ng
 RT: 12.14 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BN004913.D
 Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.4	107.2
115	39.3	27.5	41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Instrument :

BNA_N

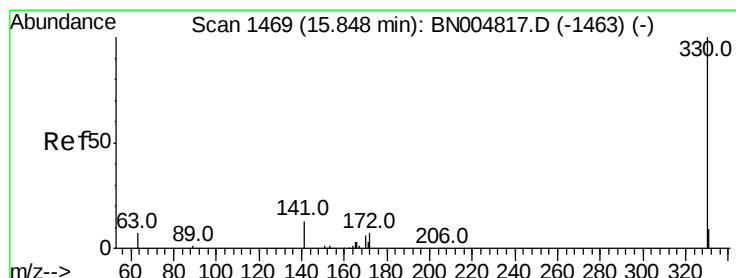
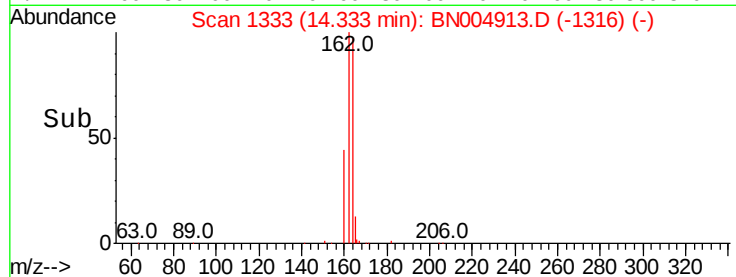
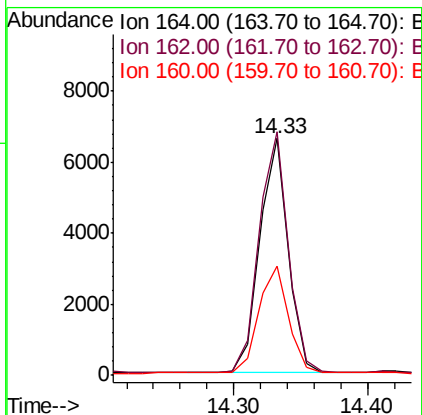
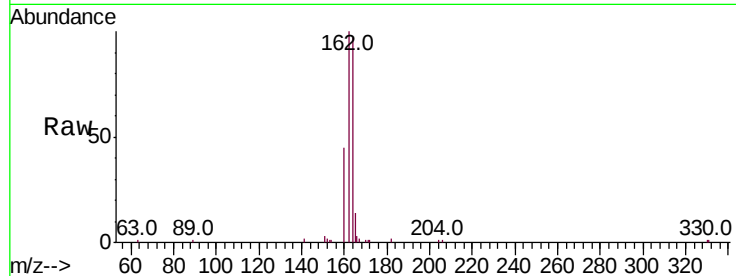
ClientSampleId :

PST-027-B111-030619

Tot Ion:	164	Resp:	9845
Ion Ratio	Lower	Upper	
164	100		
162	102.8	81.9	122.9
160	45.9	36.6	54.8

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.355 ng

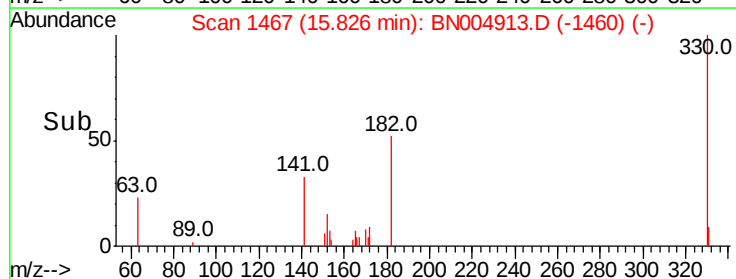
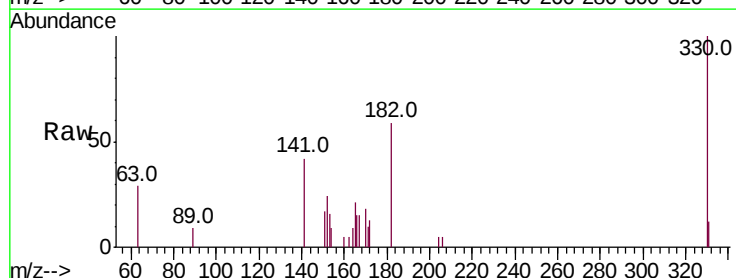
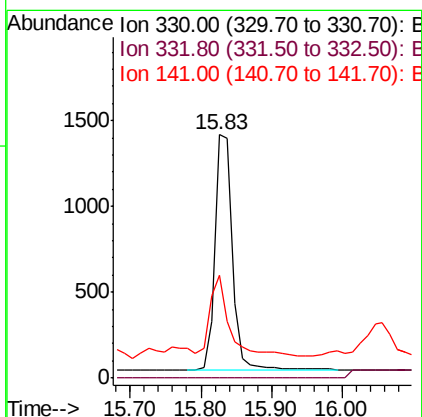
RT: 15.83 min Scan# 1467

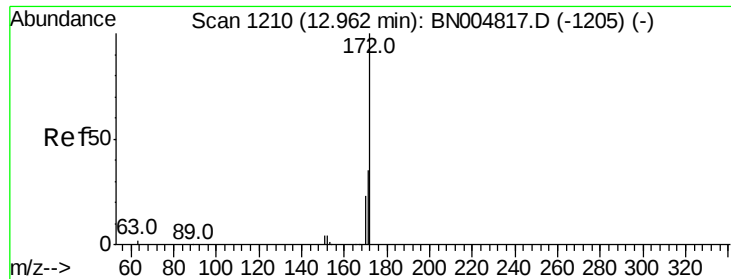
Delta R.T. -0.02 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Tgt Ion:	330	Resp:	2417
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	37.7	20.9	31.3#





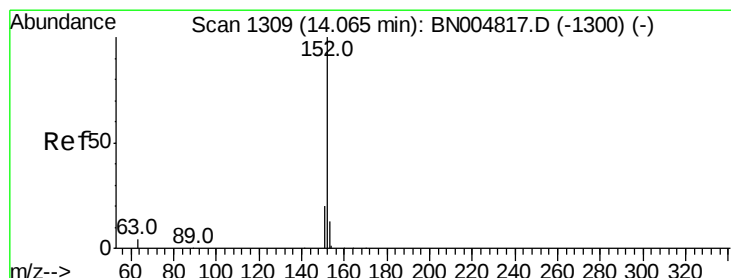
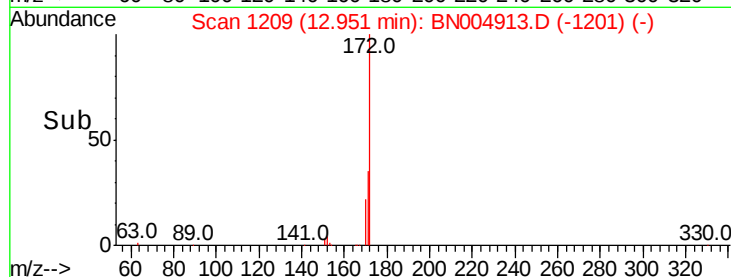
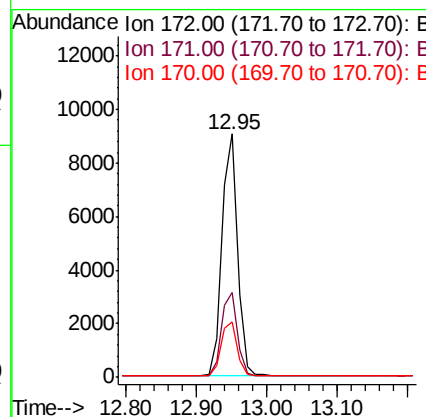
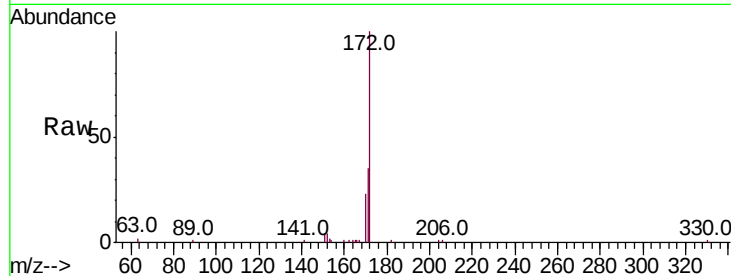
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.7	43.1
170	22.6	18.7	28.1

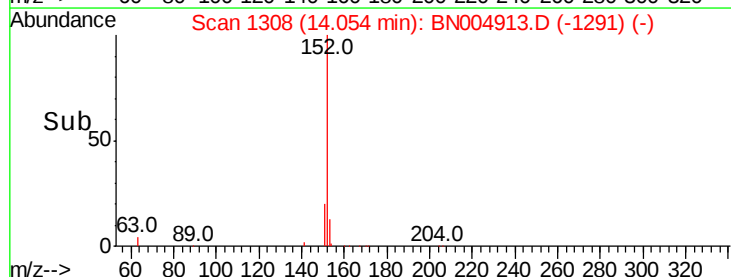
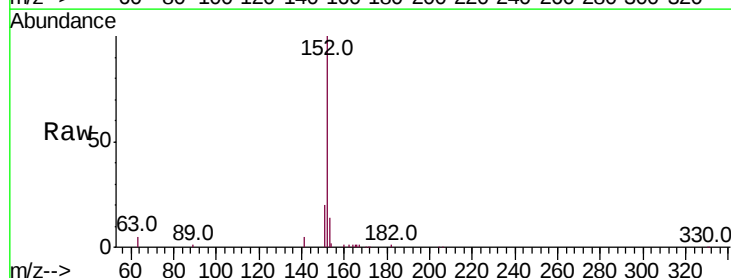
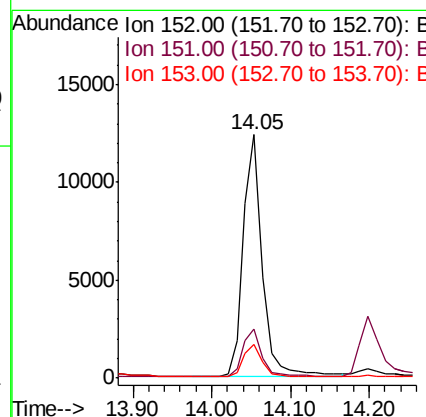
Manual Integrations
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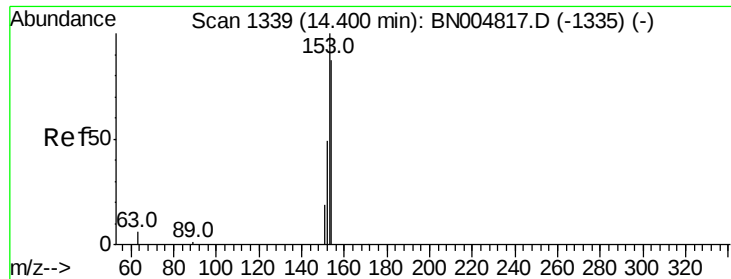
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#16
Acenaphthylene
Concen: 0.411 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.5	10.5	15.7





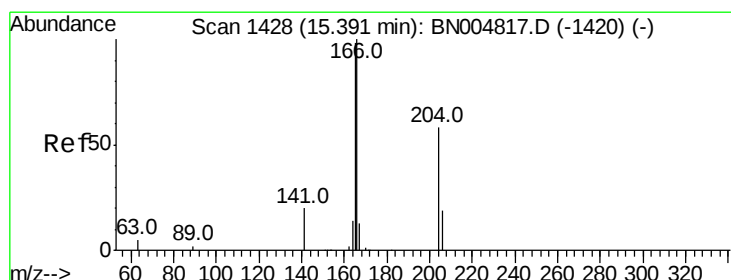
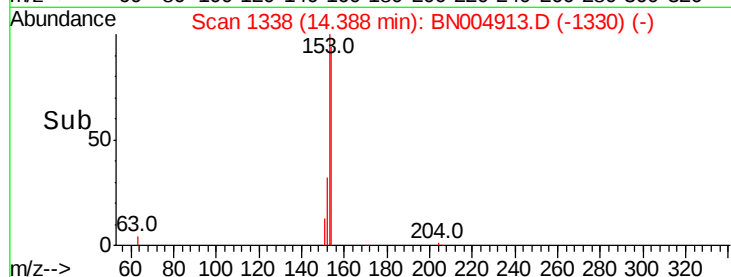
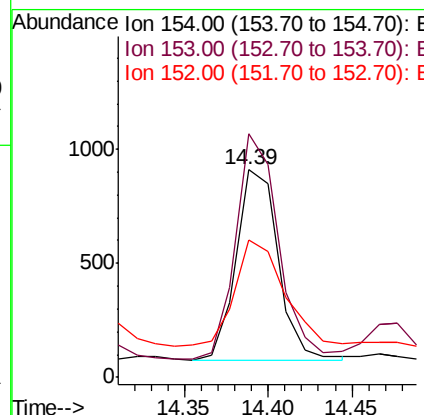
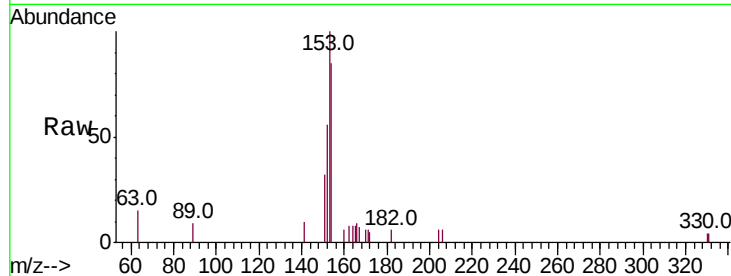
#17
Acenaphthene
Concen: 0.044 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.7	91.4	137.2
152	77.3	44.2	66.2

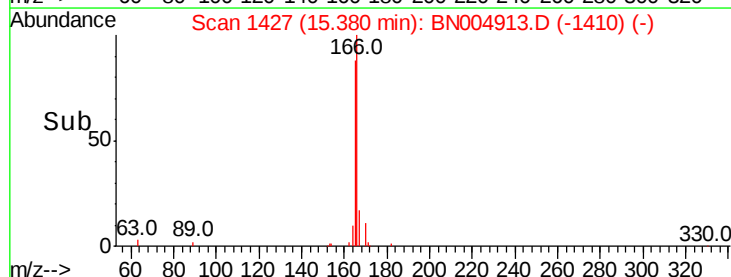
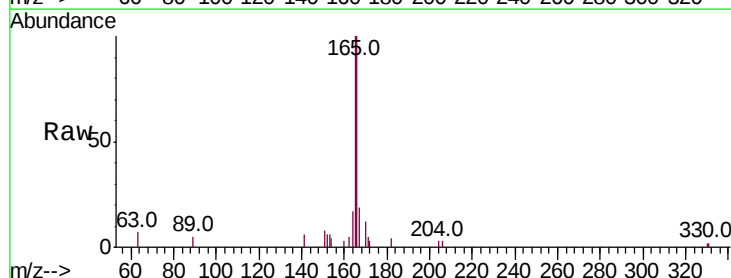
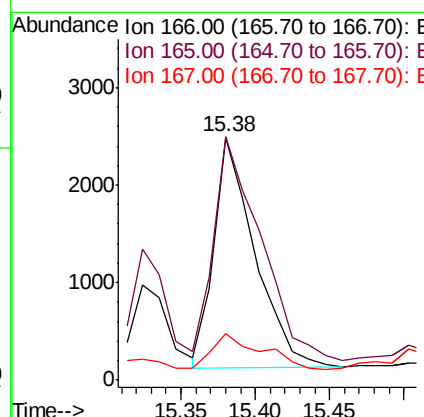
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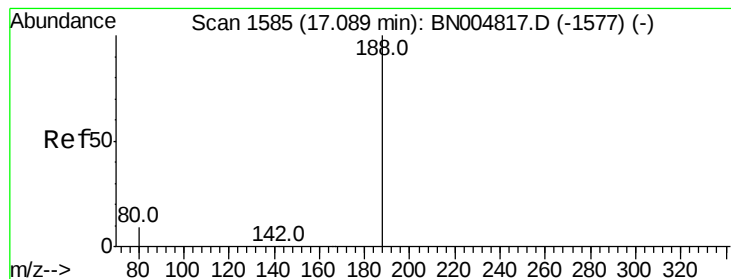
Sohil
3/25/2019 8:57:06 AM



#18
Fluorene
Concen: 0.097 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.8	78.2	117.4
167	18.8	11.0	16.4





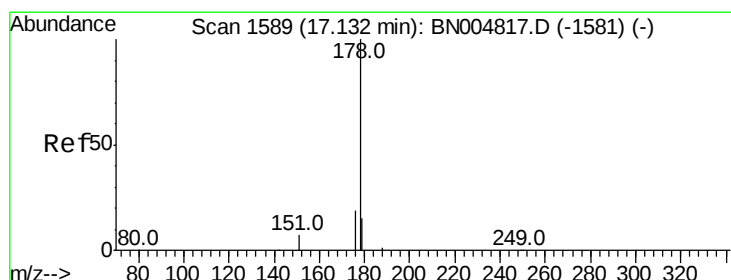
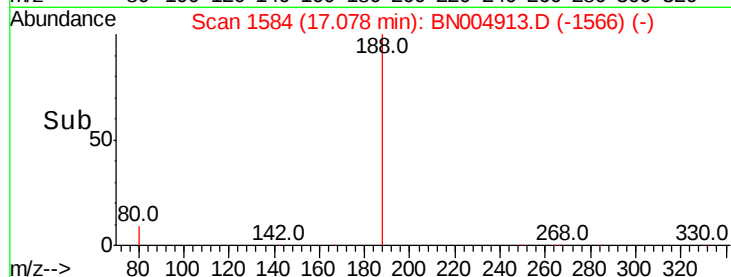
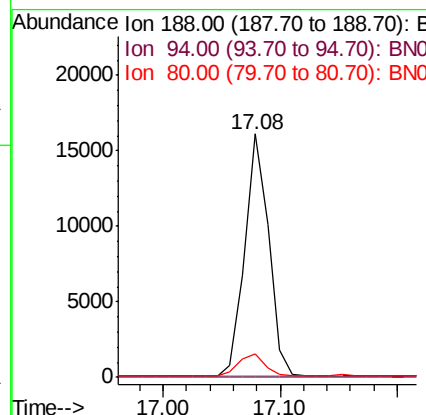
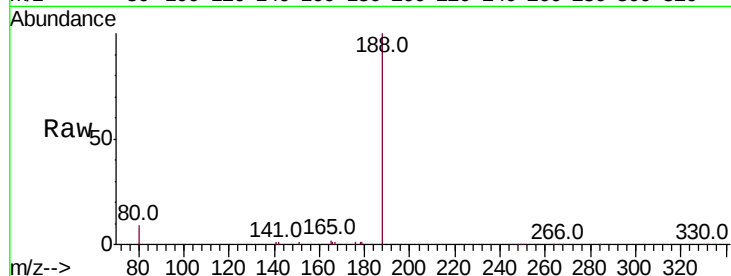
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.4	11.2

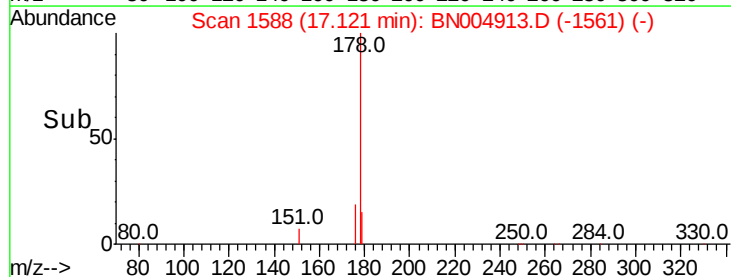
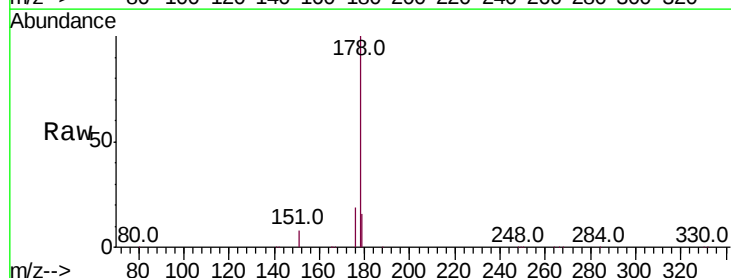
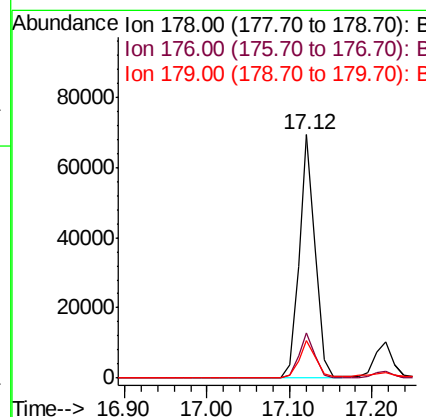
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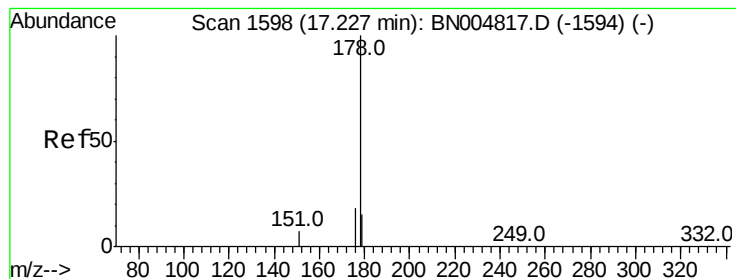
Sohil
3/25/2019 8:57:06 AM



#23
Phenanthrene
Concen: 1.280 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.8	12.1	18.1





#24

Anthracene

Concen: 0.224 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Instrument :

BNA_N

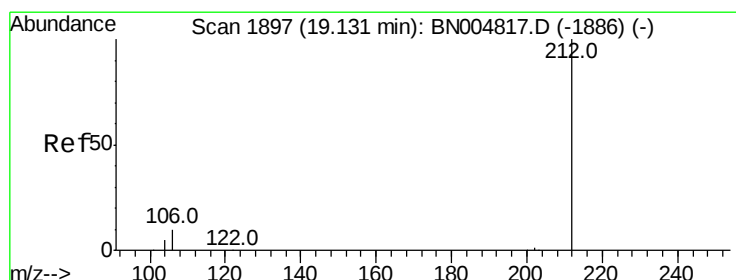
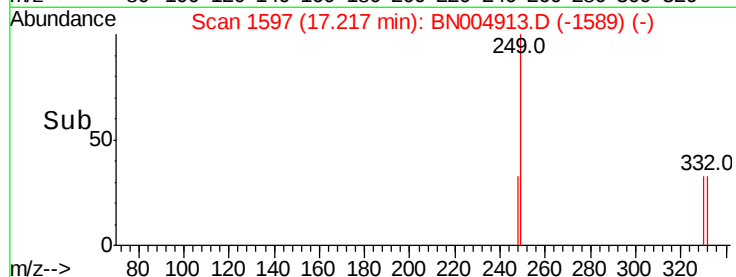
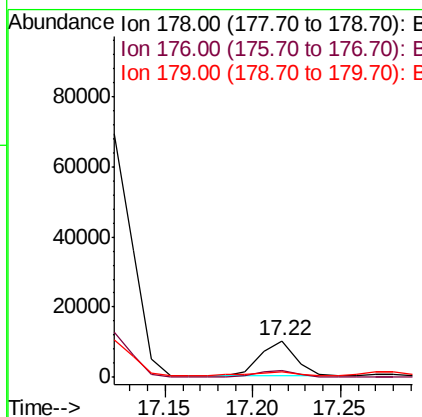
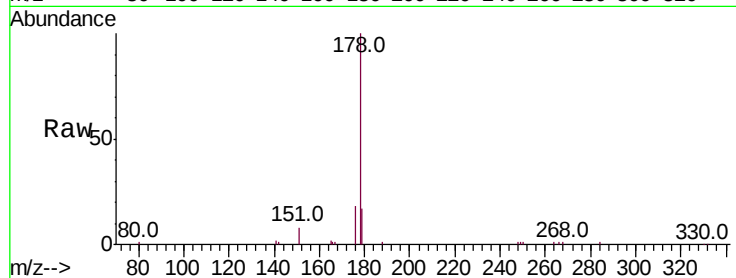
ClientSampleId :

PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	15.9	12.2	18.4

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.270 ng

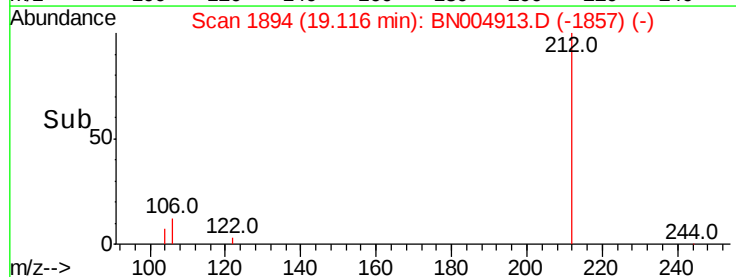
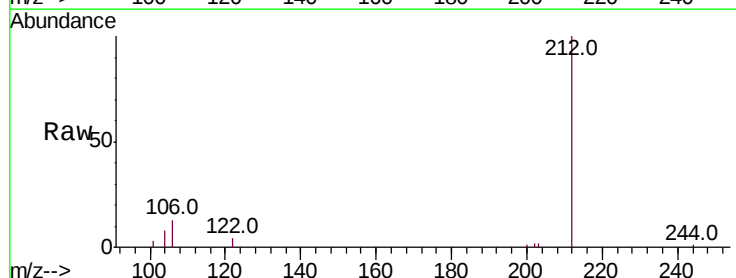
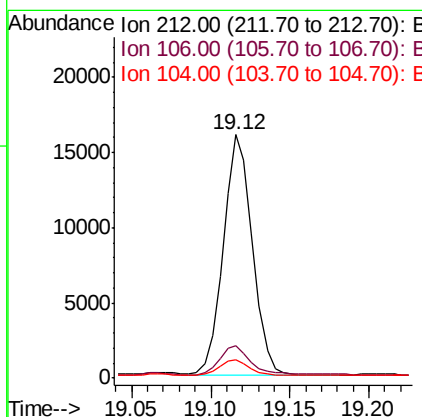
RT: 19.12 min Scan# 1894

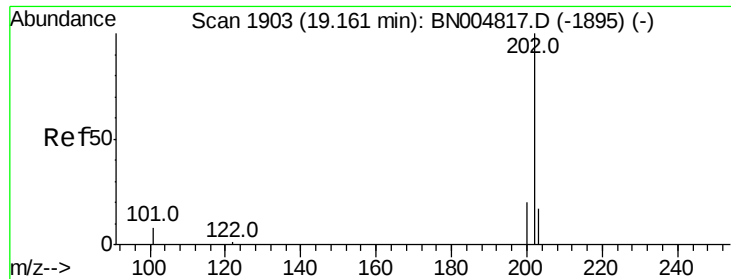
Delta R.T. -0.01 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.7	8.6	13.0#
104	7.0	4.7	7.1





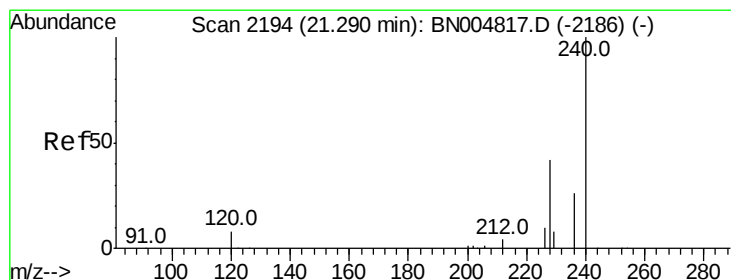
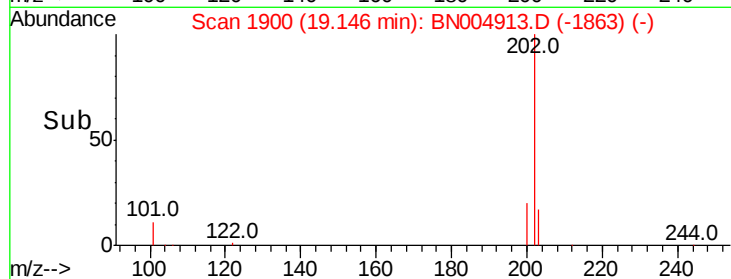
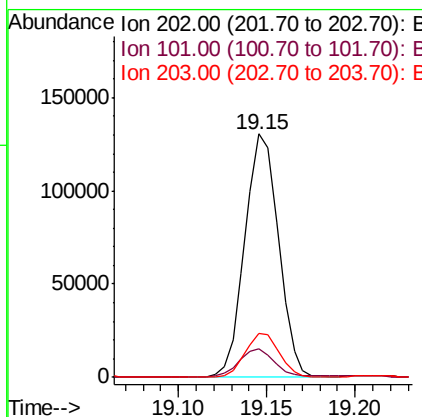
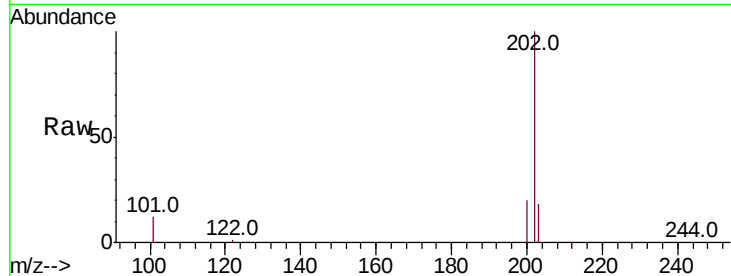
#26
Fluoranthene
Concen: 1.828 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	171697		
101	12.2	7.5	11.3#	
203	17.8	13.8	20.6	

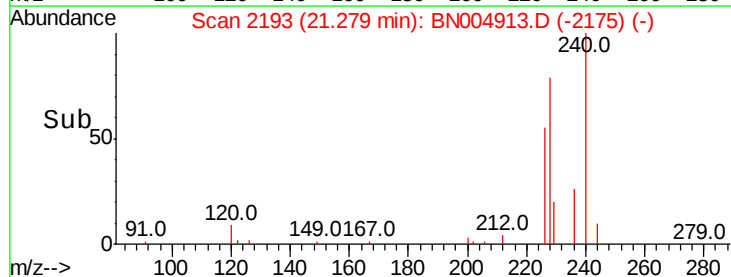
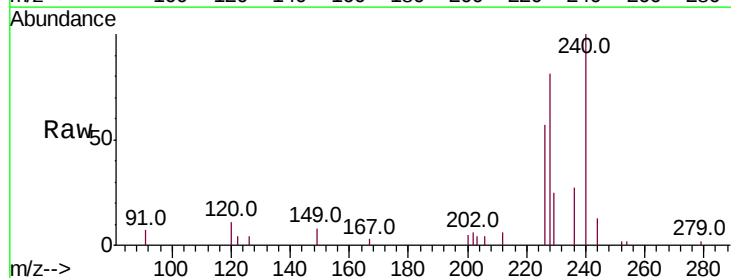
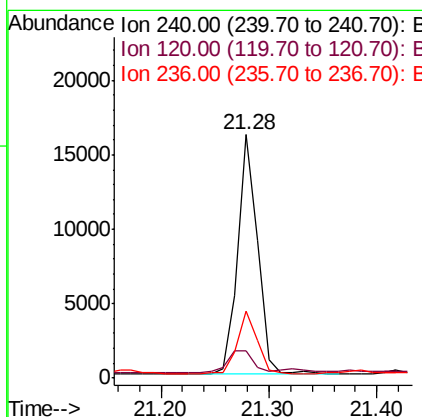
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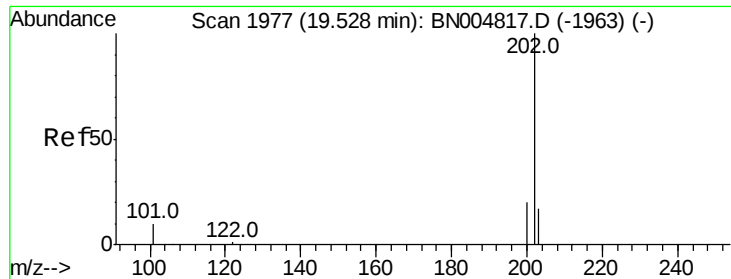
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	20546		
120	11.3	7.2	10.8#	
236	27.3	20.9	31.3	





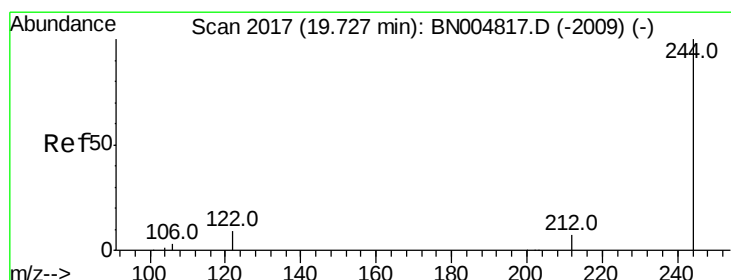
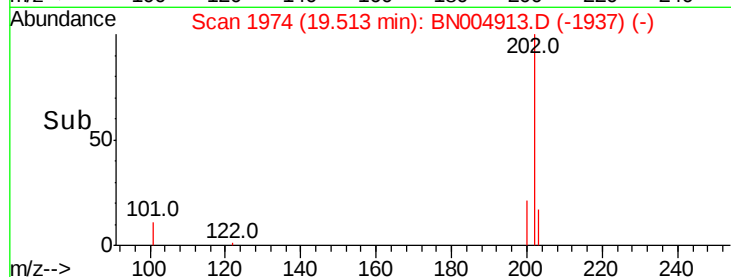
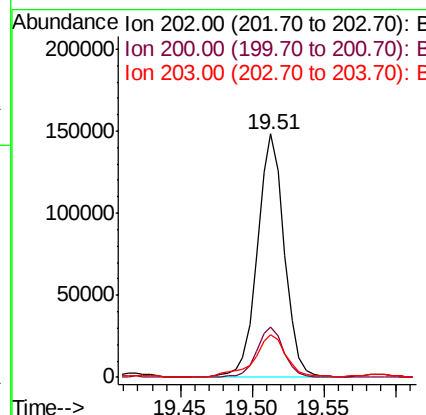
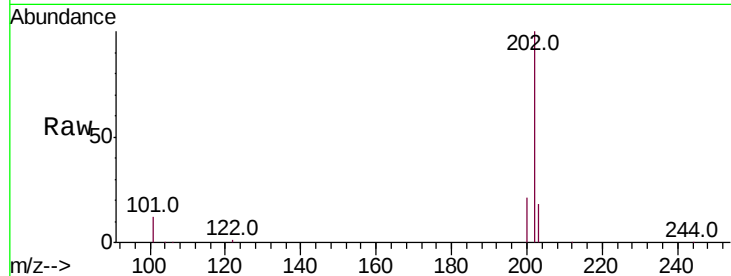
#28
Pvrene
Concen: 3.085 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.3	24.5
203	20.5	14.0	21.0

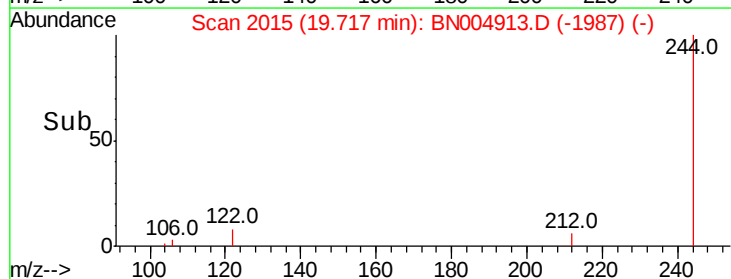
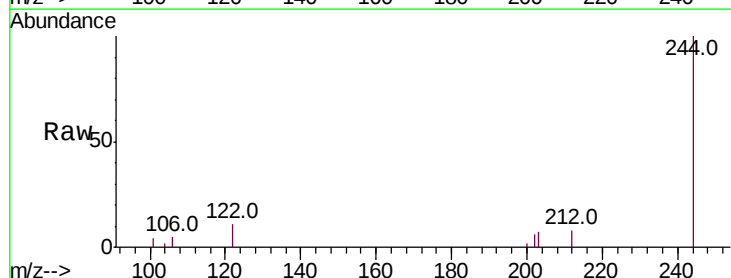
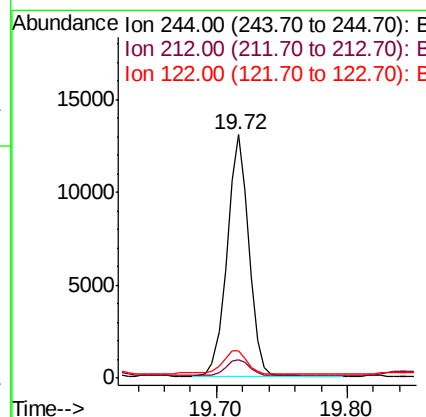
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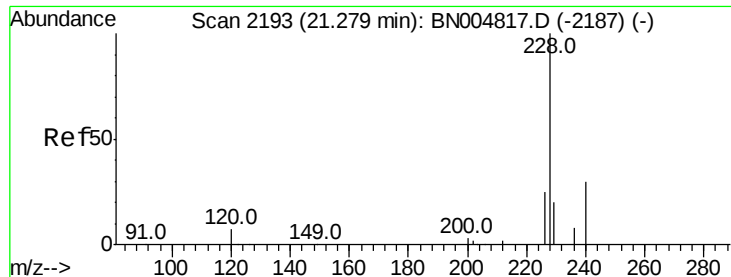
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#29
Terphenyl-d14
Concen: 0.356 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	5.8	8.6
122	11.3	7.9	11.9





#30

Benzo(a)anthracene

Concen: 1.312 ng m

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

Instrument :

BNA_N

ClientSampleId :

PST-027-B111-030619

Tot Ion:228 Resp: 88378

Ion Ratio Lower Upper

228 100

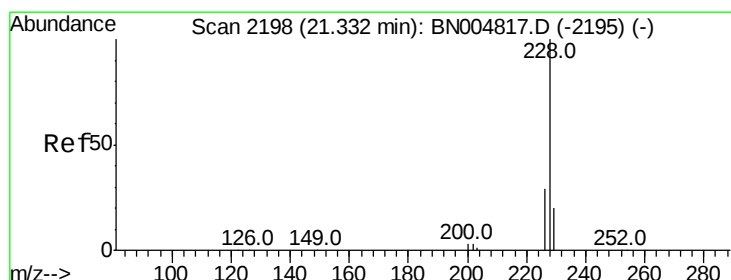
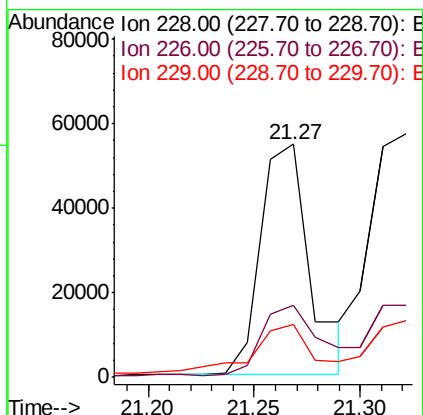
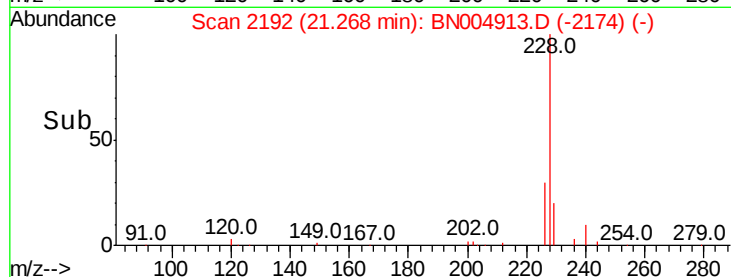
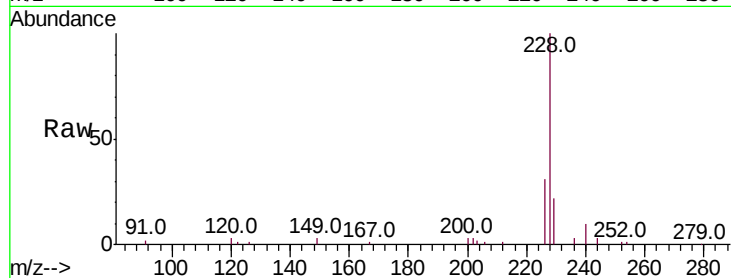
226 31.0 20.6 31.0#

229 22.5 16.2 24.4

Manual Integrations
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#31

Chrysene

Concen: 1.264 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004913.D

Acq: 23 Mar 2019 07:58

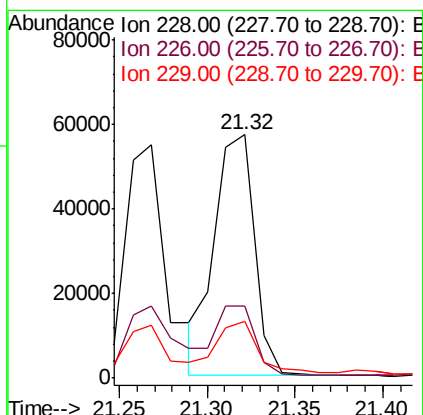
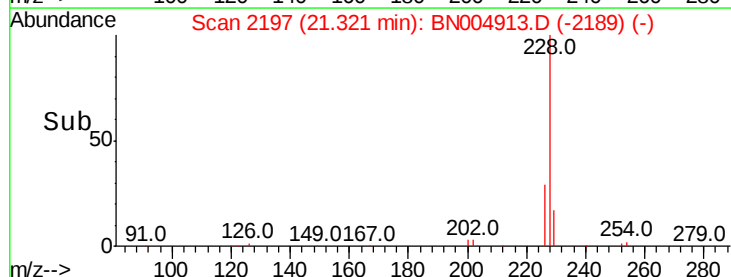
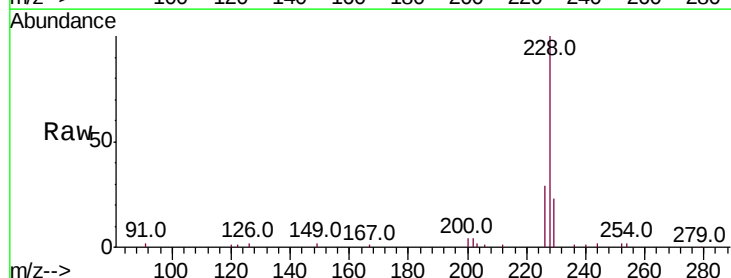
Tgt Ion:228 Resp: 89690

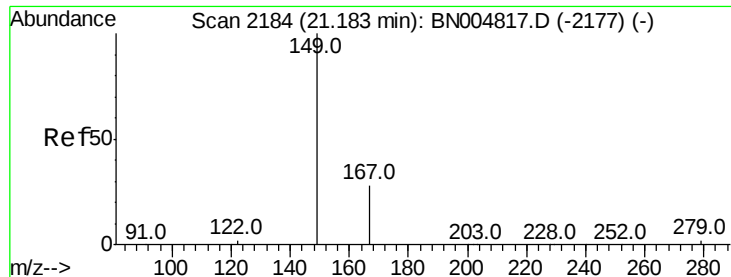
Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.6

229 23.1 16.2 24.2





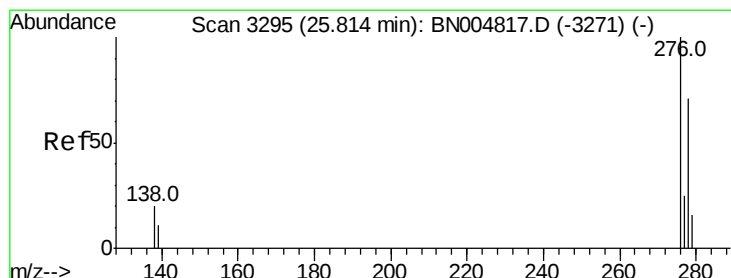
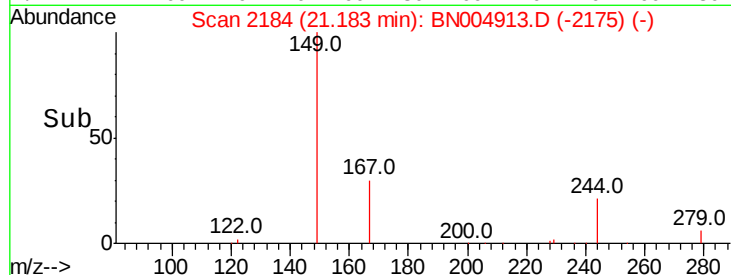
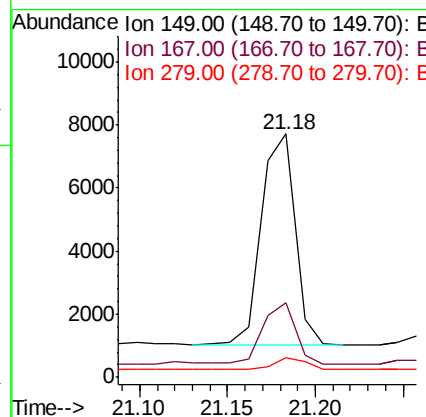
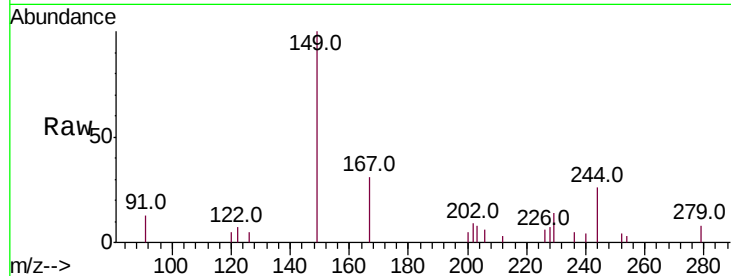
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.334 ng
 RT: 21.18 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: BN004913.D
 Acq: 23 Mar 2019 07:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.0	34.4
279	5.6	4.6	6.8

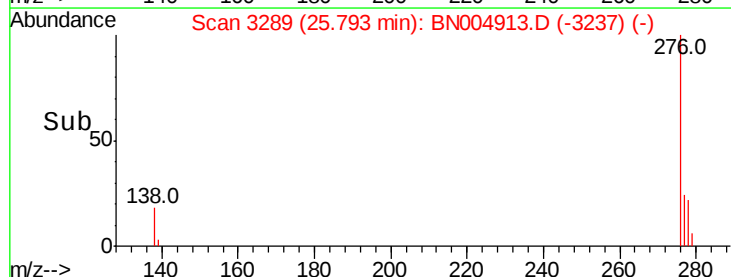
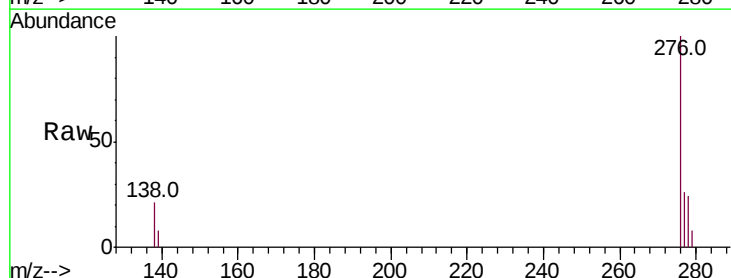
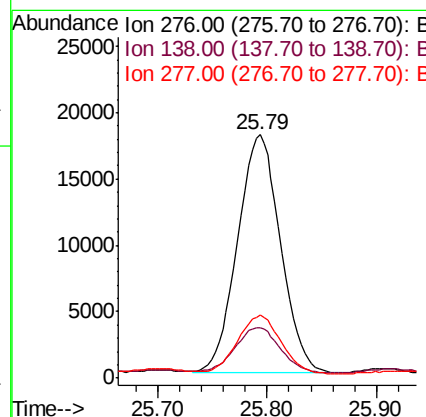
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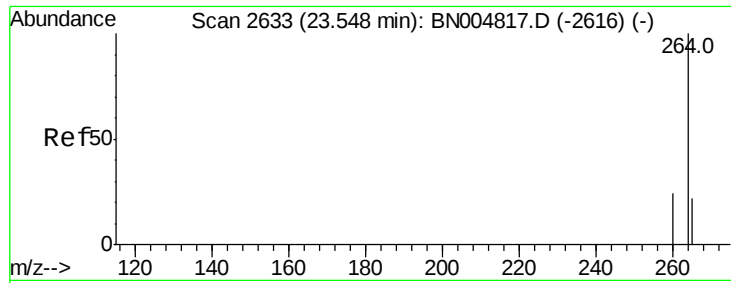
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.477 ng
 RT: 25.79 min Scan# 3289
 Delta R.T. -0.02 min
 Lab File: BN004913.D
 Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.6	24.8
277	25.0	20.3	30.5





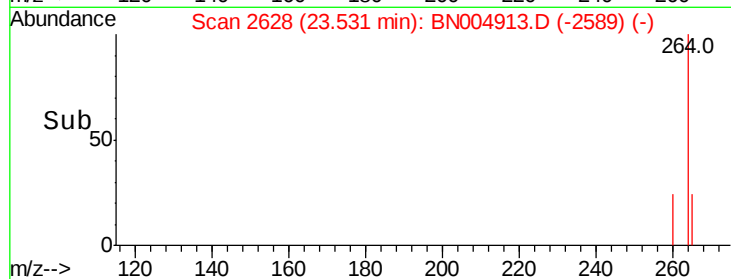
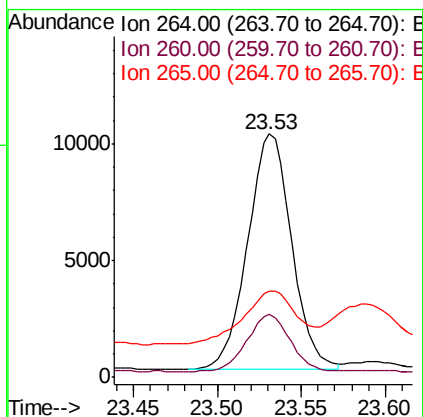
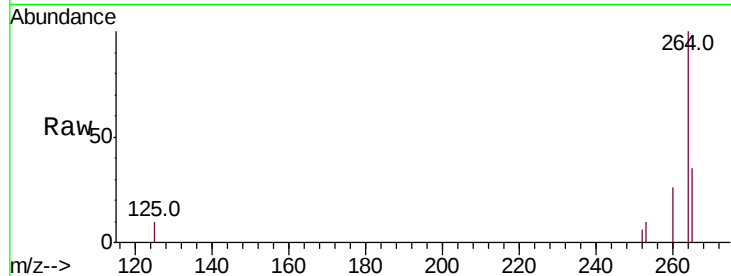
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.5	29.3
265	35.4	23.1	34.7

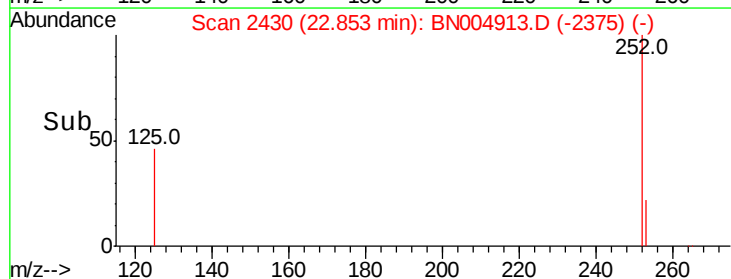
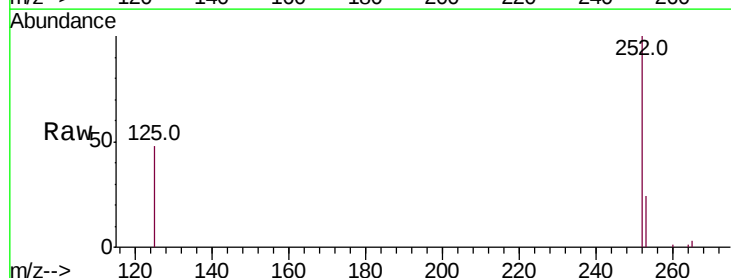
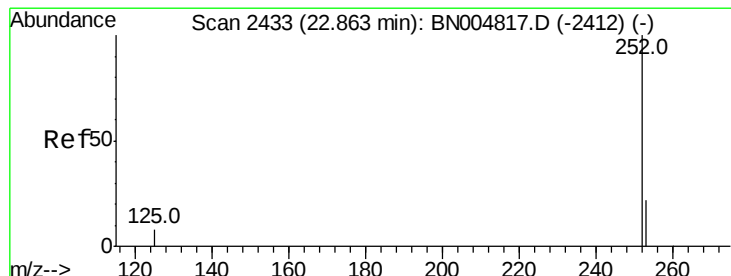
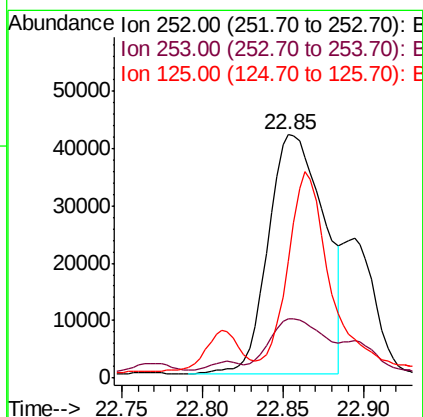
Manual Integrations
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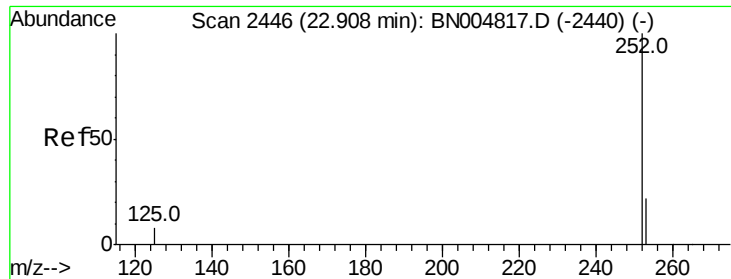
Sohil
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#35
Benzo(b)fluoranthene
Concen: 1.485 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.0	28.4
125	48.0	7.4	11.2





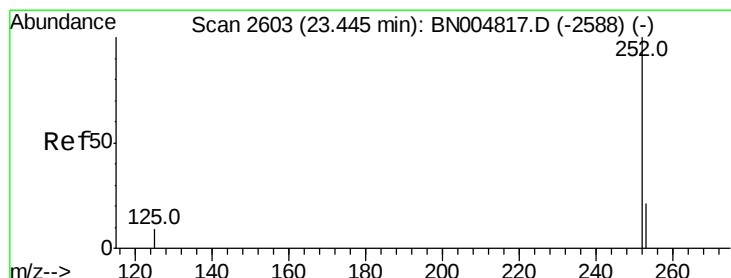
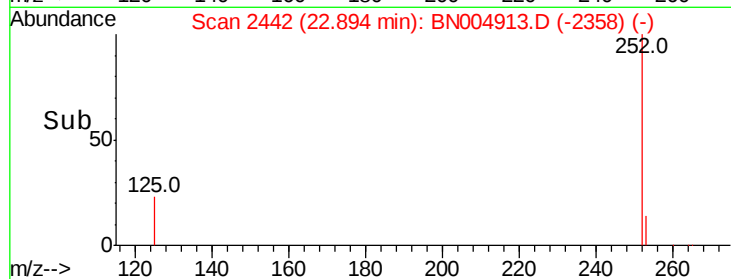
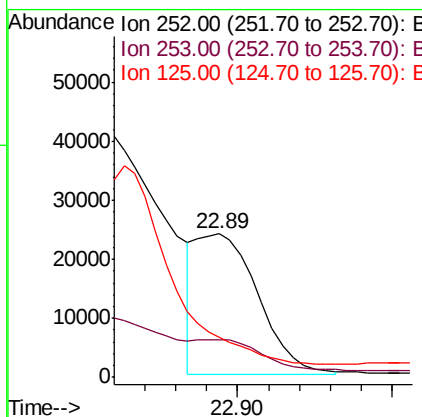
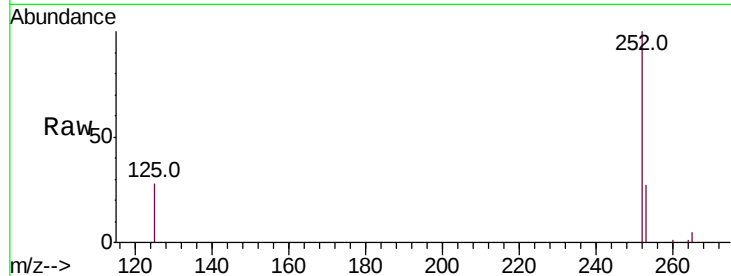
#36
Benzo(k)fluoranthene
Concen: 0.498 ng/mL
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.3	28.9
125	27.8	7.4	11.0

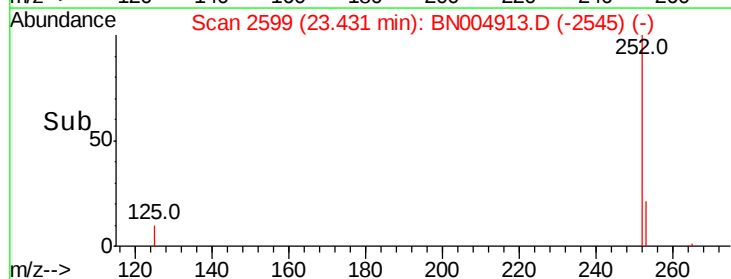
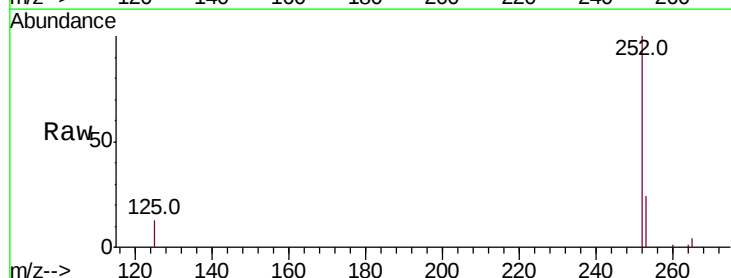
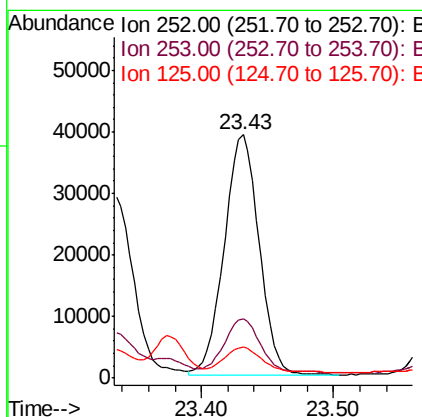
Manual Integrations
APPROVED

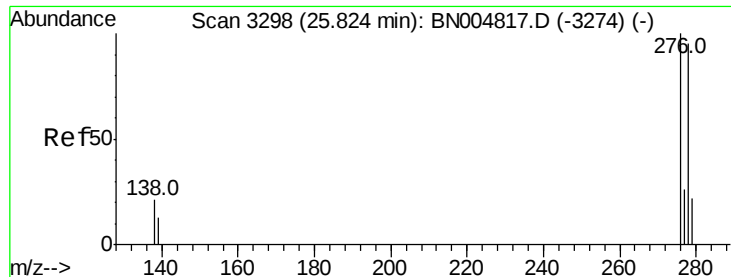
Sohil
3/25/2019 8:57:06 AM



#37
Benzo(a)pyrene
Concen: 1.159 ng/mL
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.7	29.5
125	12.6	8.3	12.5





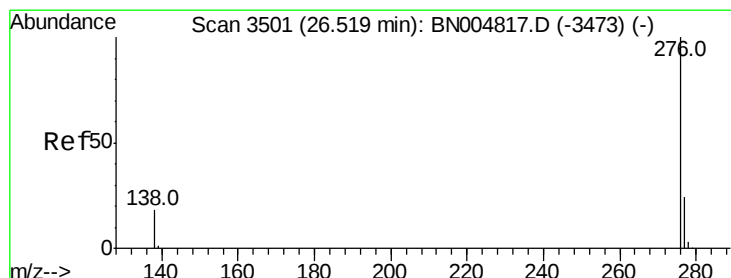
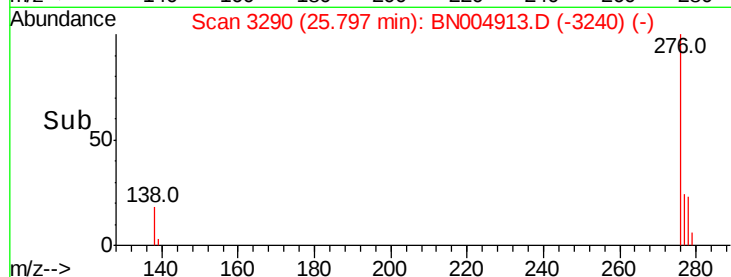
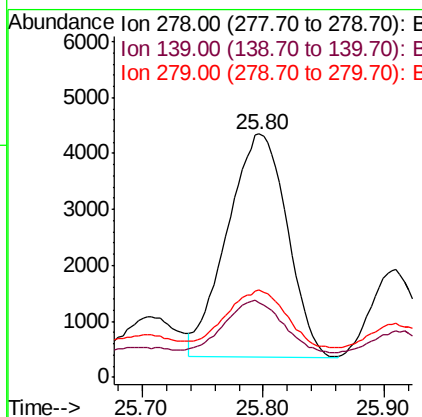
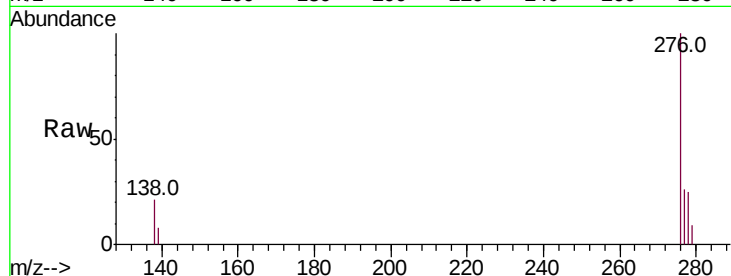
#38
Dibenzo(a,h)anthracene
Concen: 0.192 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Instrument :
BNA_N
ClientSampleId :
PST-027-B111-030619

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.5	11.7	17.5#
279	35.7	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:06 AM



#39
Benzo(g,h,i)perylene
Concen: 0.709 ng
RT: 26.49 min Scan# 3493
Delta R.T. -0.03 min
Lab File: BN004913.D
Acq: 23 Mar 2019 07:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.7	29.5
138	21.5	14.6	22.0

