

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100719\
 Data File : BN008053.D
 Acq On : 07 Oct 2019 17:03
 Operator : JU
 Sample : K5078-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW128-092519

Manual Integrations
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 10/8/2019 12:23:17 PM

Quant Time: Oct 08 11:57:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	2769	0.40	ng	-0.03
7) Naphthalene-d8	10.44	136	11490	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	7299	0.40	ng	-0.03
19) Phenanthrene-d10	17.05	188	16707	0.40	ng	-0.03
27) Chrysene-d12	21.24	240	23135	0.40	ng	-0.03
34) Perylene-d12	23.45	264	23313	0.40	ng	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	1797	0.19	ng	-0.02
5) Phenol-d6	6.86	99	2407	0.20	ng	0.00
8) Nitrobenzene-d5	8.81	82	2099	0.21	ng	-0.03
11) 2-Methylnaphthalene-d10	12.03	152	4393	0.23	ng	-0.03
14) 2,4,6-Tribromophenol	15.79	330	819	0.21	ng	-0.03
15) 2-Fluorobiphenyl	12.92	172	5957	0.20	ng	-0.03
25) Fluoranthene-d10	19.08	212	12514	0.22	ng	-0.03
29) Terphenyl-d14	19.69	244	12269	0.22	ng	-0.03

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	1186	0.037	ng	# 72
12) 2-Methylnaphthalene	12.11	142	604	0.028	ng	# 80
16) Acenaphthylene	14.02	152	10373	0.268	ng	99
17) Acenaphthene	14.36	154	637	0.026	ng	# 90
18) Fluorene	15.36	166	1714	0.054	ng	# 75
23) Phenanthrene	17.09	178	26404	0.507	ng	99
24) Anthracene	17.17	178	6096	0.130	ng	98
26) Fluoranthene	19.11	202	57141	0.883	ng	99
28) Pyrene	19.47	202	65883	0.835	ng	97
30) Benzo(a)anthracene	21.23	228	32755	0.384	ng	# 85
31) Chrysene	21.28	228	40286	0.485	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.17	149	42957	0.980	ng	100
33) Indeno(1,2,3-cd)pyrene	25.66	276	26703	0.257	ng	96
35) Benzo(b)fluoranthene	22.80	252	49253	0.609	ng	# 81
36) Benzo(k)fluoranthene	22.83	252	20467m	0.256	ng	
37) Benzo(a)pyrene	23.36	252	34120	0.449	ng	# 80
38) Dibenzo(a,h)anthracene	25.66	278	6874	0.088	ng	# 37
39) Benzo(a,h,i)perylene	26.33	276	28980	0.376	ng	# 91

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

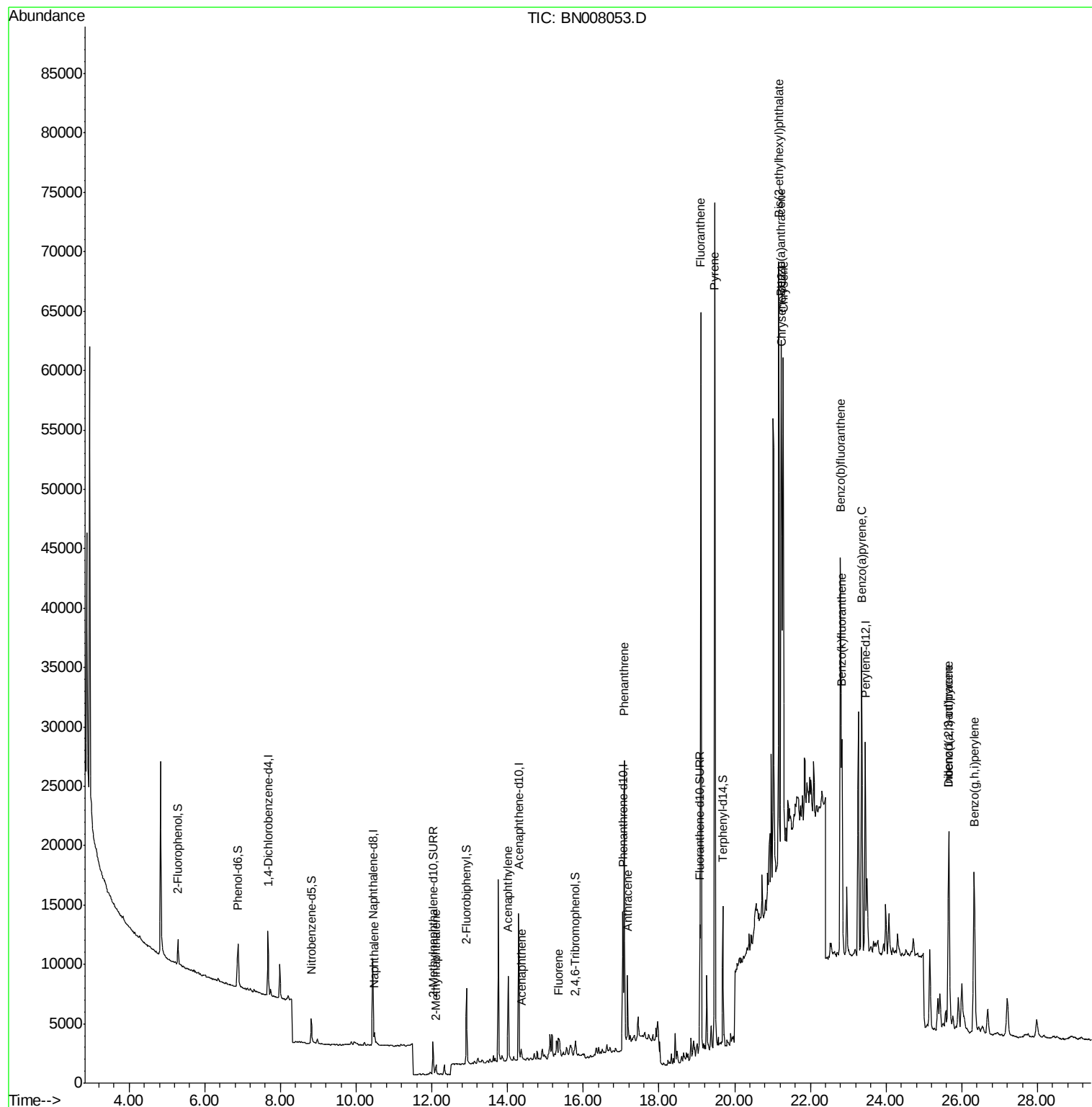
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100719\
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#1

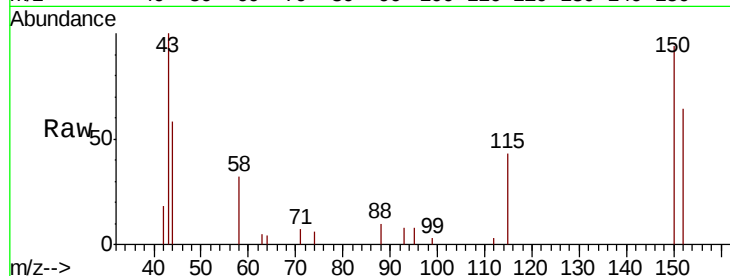
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.67 min Scan# 601
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.1	125.6	188.4
115	66.9	53.3	79.9

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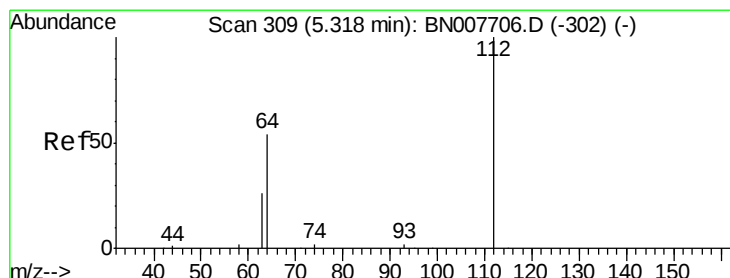
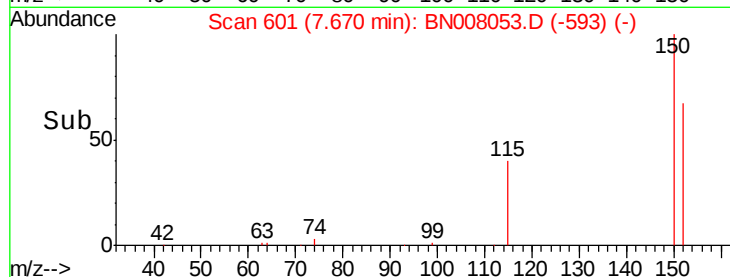
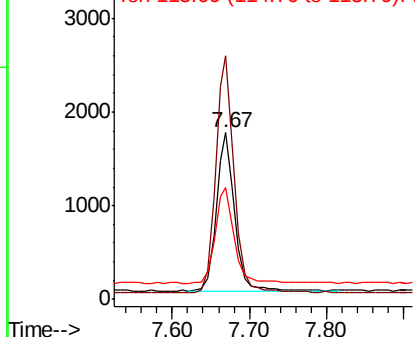


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

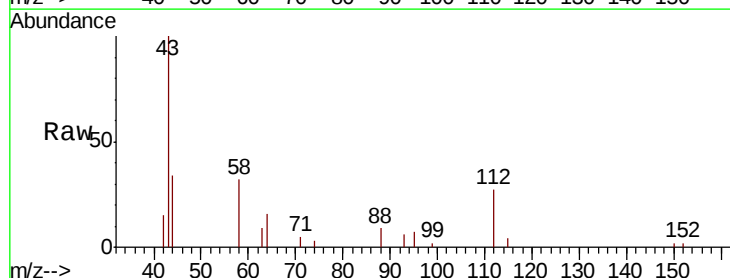
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.189 ng
RT: 5.29 min Scan# 306
Delta R.T. -0.02 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.6	70.0
63	28.3	23.1	34.7

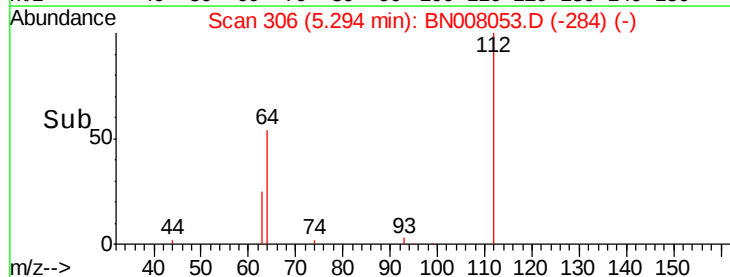
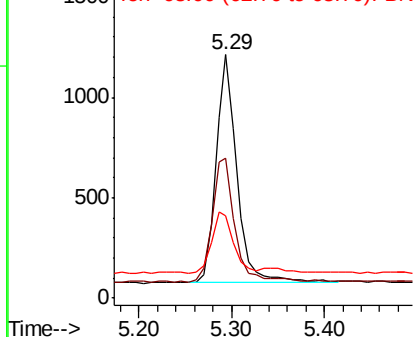


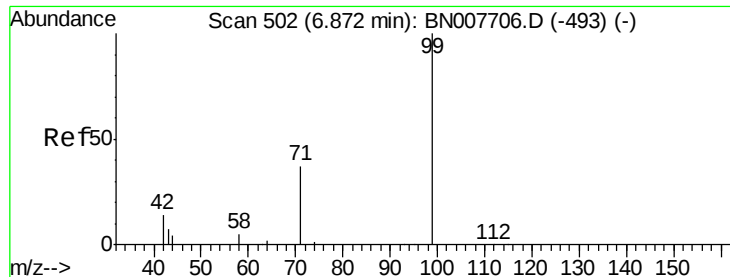
Abundance

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: 0.199 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Instrument :

BNA_N

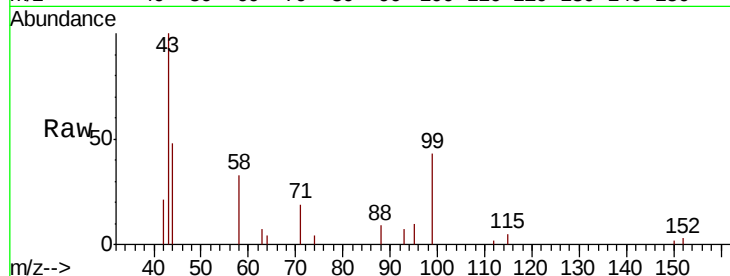
ClientSampleId :

PST-024-SW128-092519

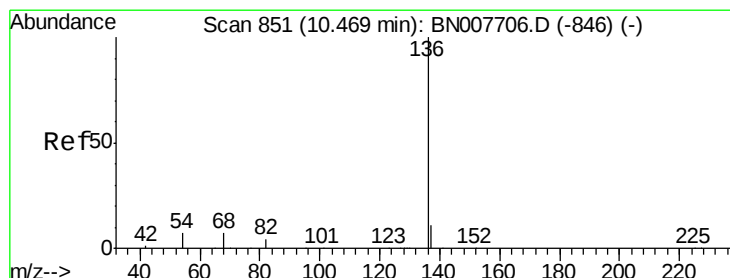
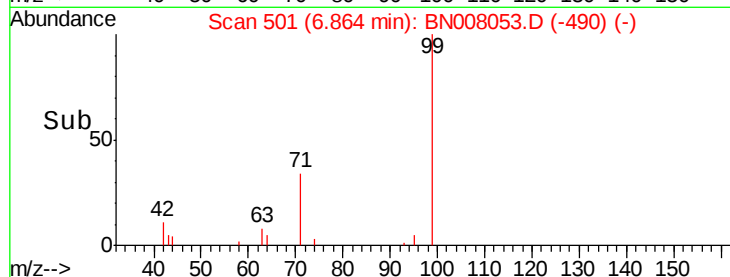
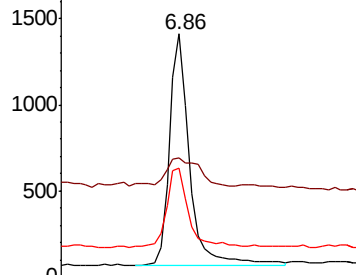
Tot Ion:	99	Resp:	2407
Ion	Ratio	Lower	Upper
99	100		
42	20.0	12.8	19.2#
71	36.7	27.6	41.4

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Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 849

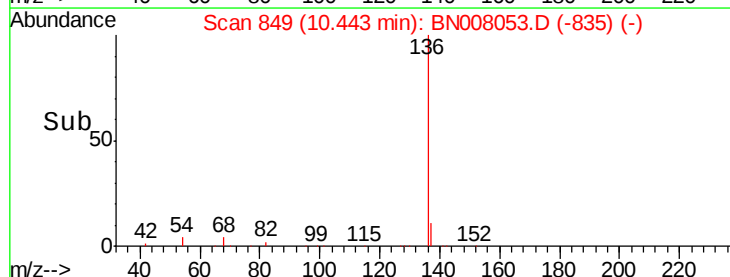
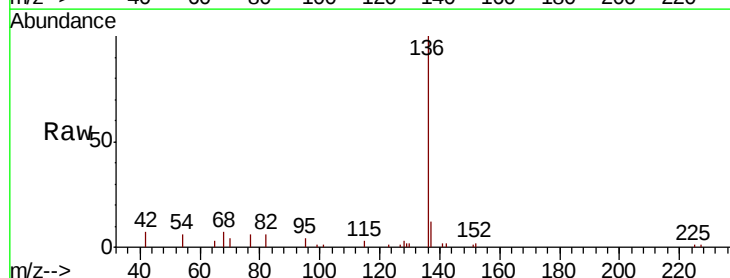
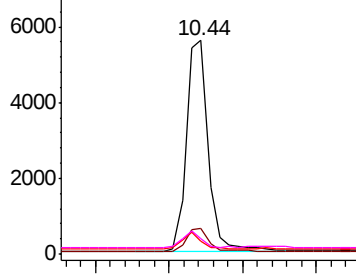
Delta R.T. -0.03 min

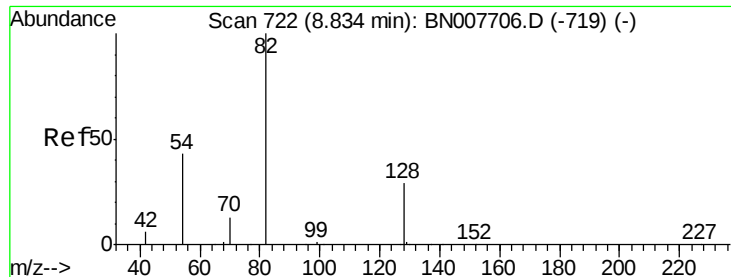
Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Tgt Ion:	136	Resp:	11490
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	6.1	5.8	8.8
68	7.1	6.5	9.7

Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)





#8

Nitrobenzene-d5

Concen: 0.209 ng

RT: 8.81 min Scan# 720

Delta R.T. -0.03 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Instrument :

BNA_N

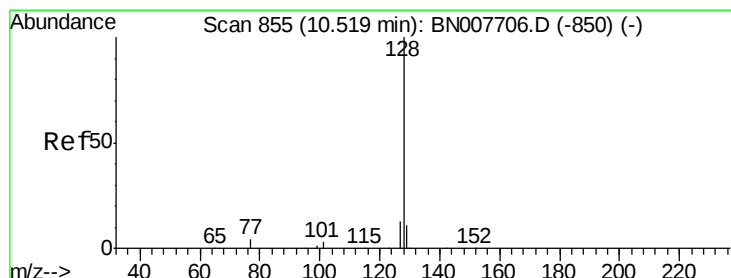
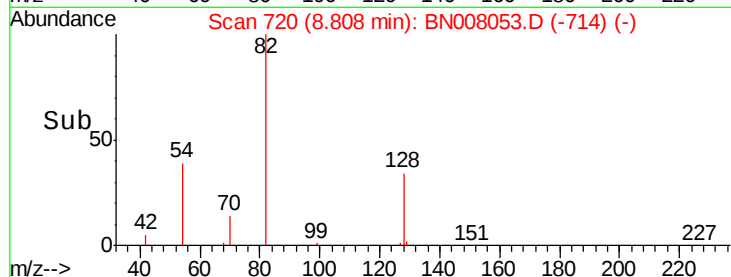
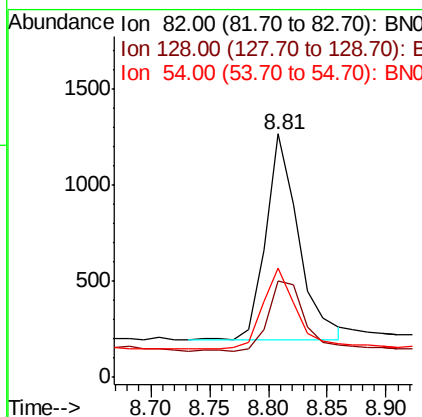
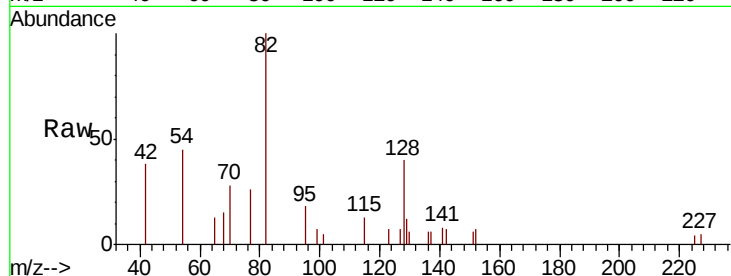
ClientSampleId :

PST-024-SW128-092519

Tot Ion:	82	Resp:	2099
Ion	Ratio	Lower	Upper
82	100		
128	39.5	24.5	36.7#
54	44.9	35.2	52.8

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#9

Naphthalene

Concen: 0.037 ng

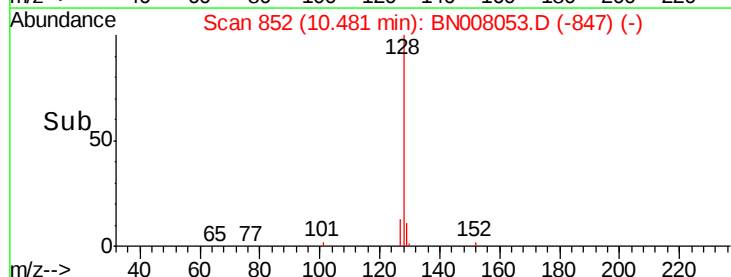
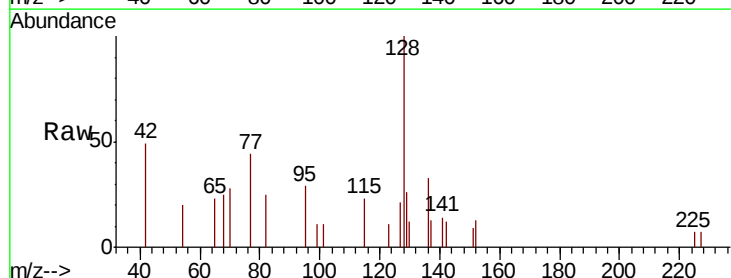
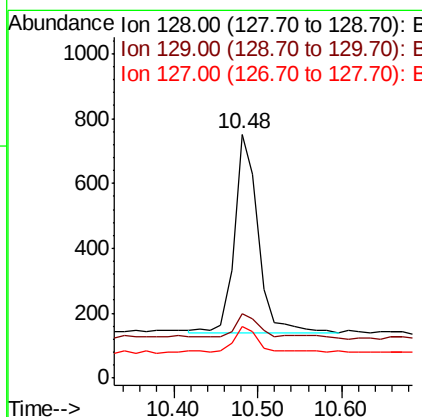
RT: 10.48 min Scan# 852

Delta R.T. -0.04 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Tgt Ion:	128	Resp:	1186
Ion	Ratio	Lower	Upper
128	100		
129	26.2	9.1	13.7#
127	21.0	10.6	15.8#





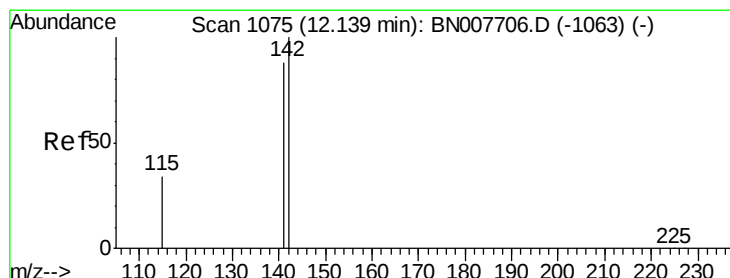
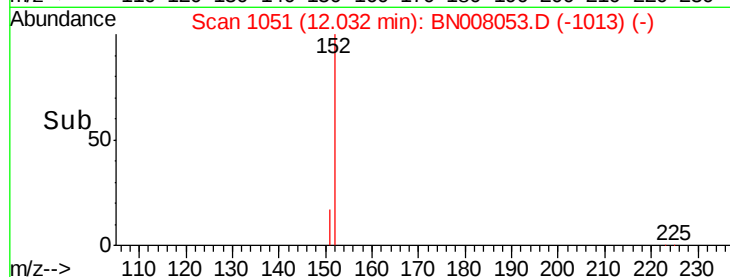
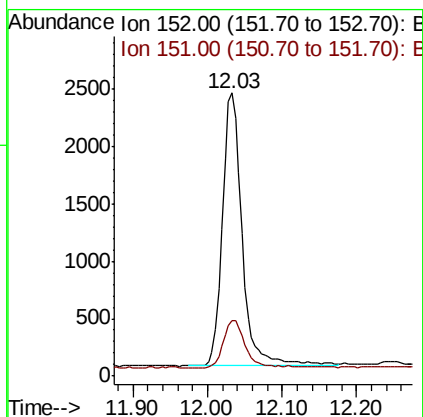
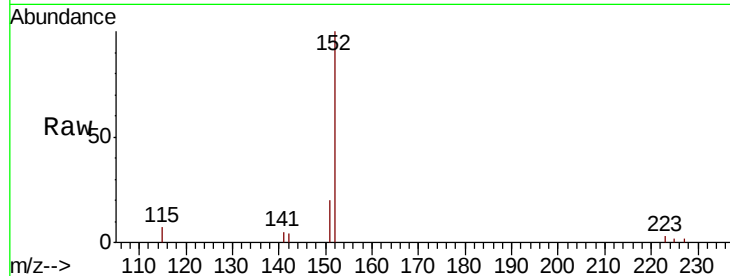
#11
2-Methylnaphthalene-d10
Concen: 0.227 ng
RT: 12.03 min Scan# 1051
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.2

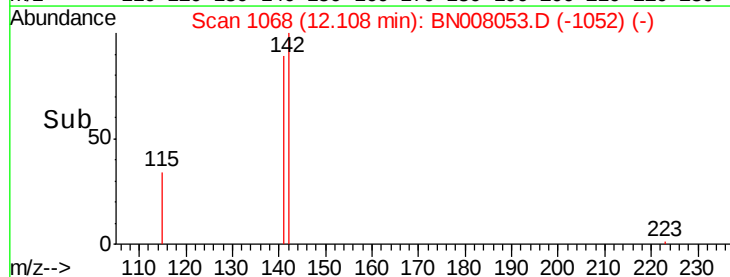
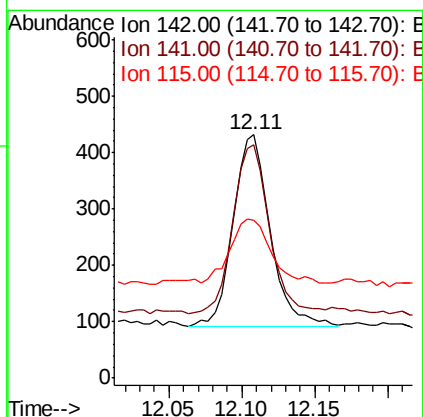
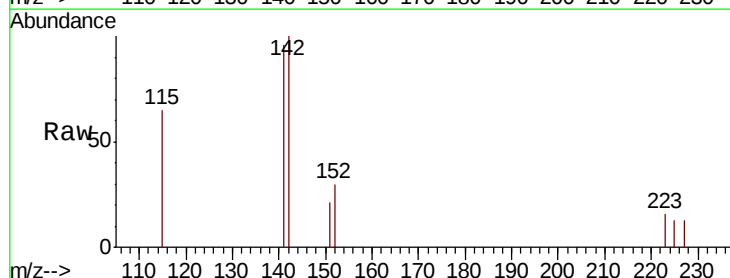
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#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.11 min Scan# 1068
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.8	70.6	106.0
115	64.8	28.3	42.5





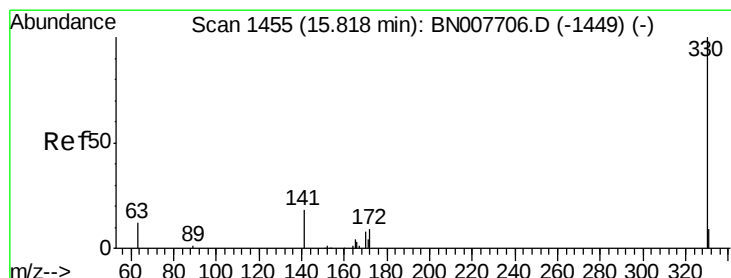
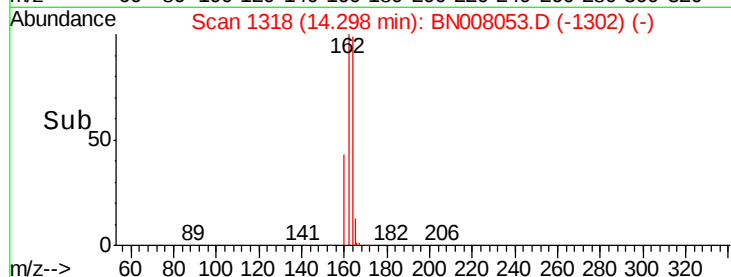
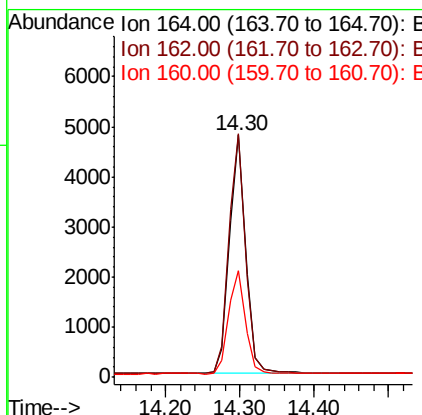
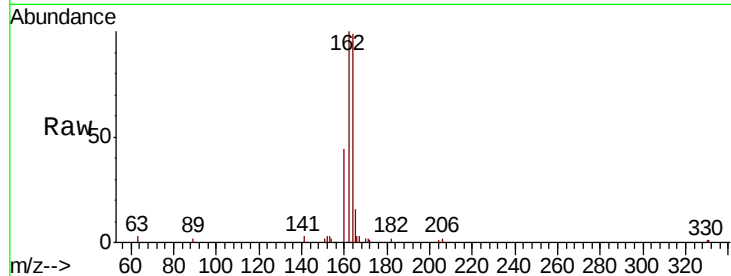
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1318
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.7	122.5
160	44.1	37.0	55.4

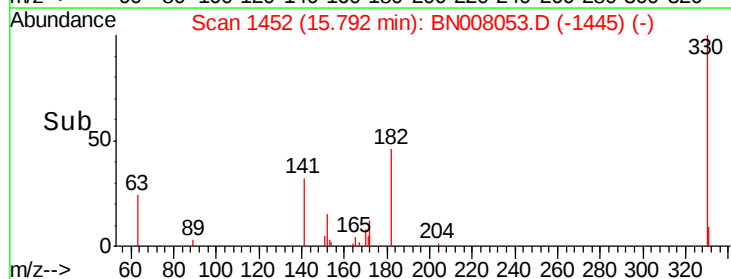
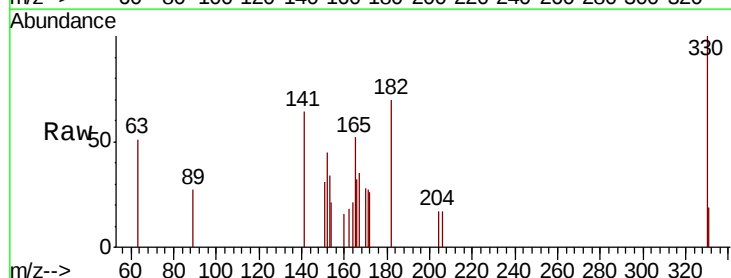
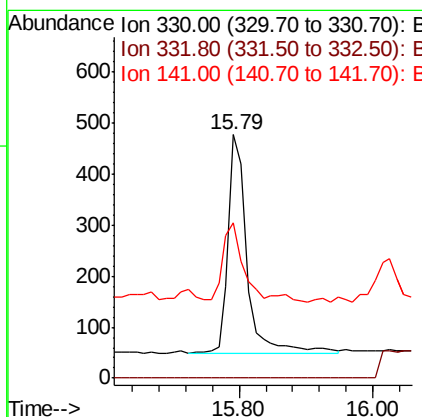
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#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 15.79 min Scan# 1452
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.4	28.7	43.1





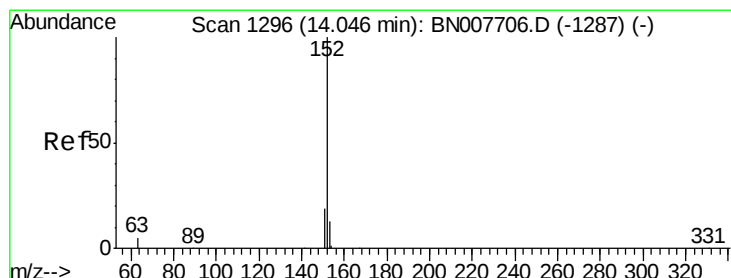
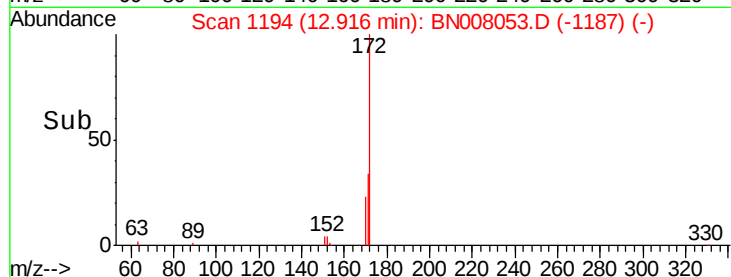
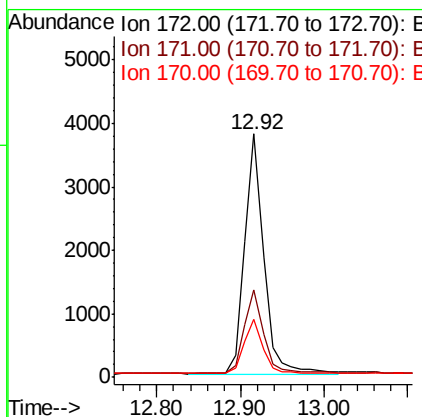
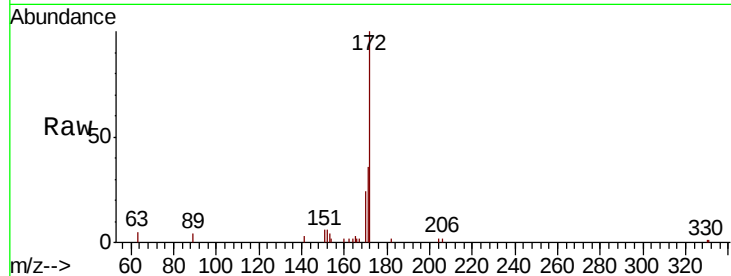
#15
2-Fluorobiphenyl
Concen: 0.198 ng
RT: 12.92 min Scan# 1194
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	24.0	19.5	29.3

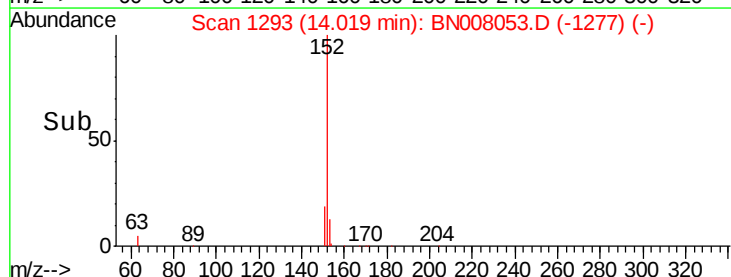
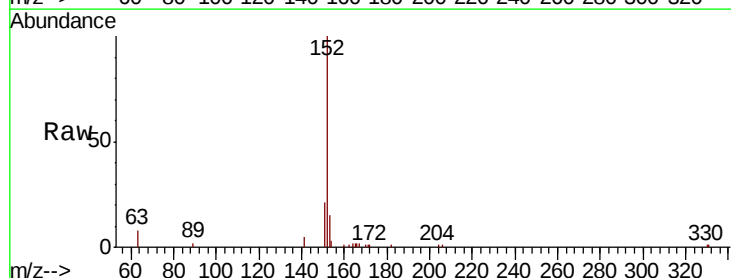
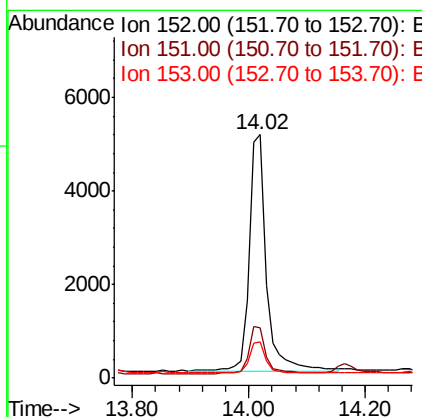
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#16
Acenaphthylene
Concen: 0.268 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.5	23.3
153	13.1	10.4	15.6





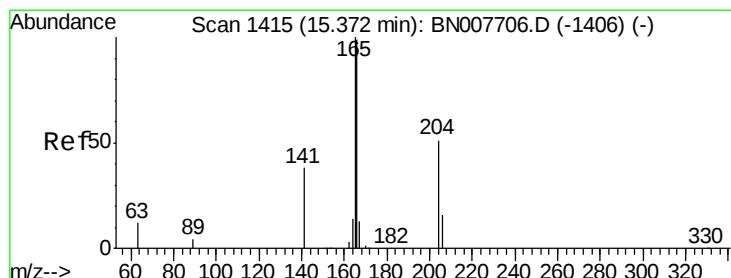
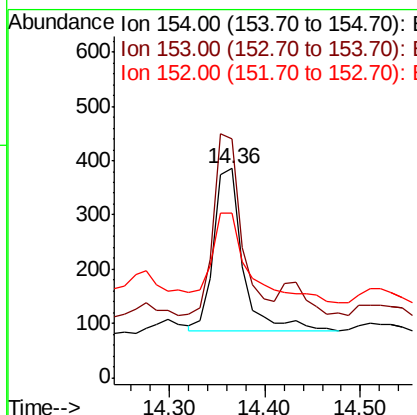
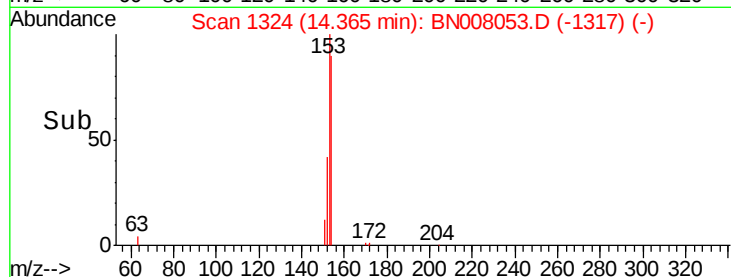
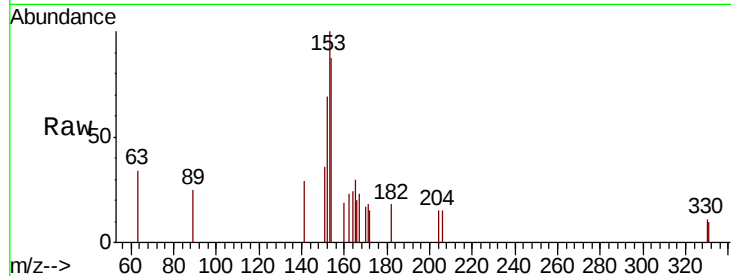
#17
Acenaphthene
Concen: 0.026 ng
RT: 14.36 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
154	100		
153	106.8	87.0	130.4
152	71.6	42.7	64.1

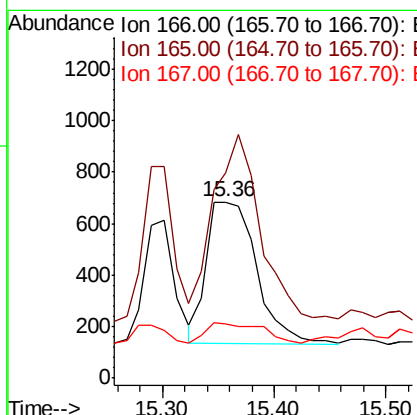
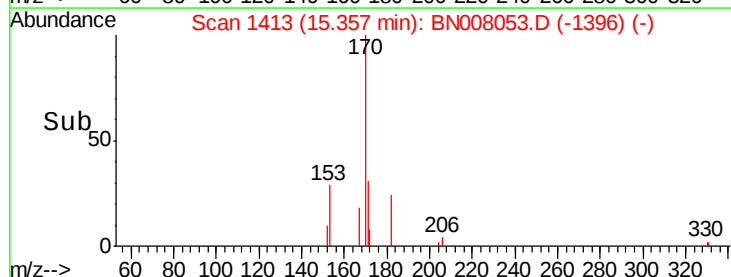
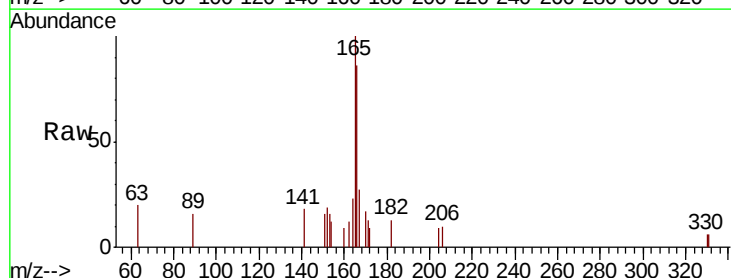
Manual Integrations
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#18
Fluorene
Concen: 0.054 ng
RT: 15.36 min Scan# 1413
Delta R.T. -0.02 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	120.7	78.0	117.0
167	0.0	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1569

Delta R.T. -0.03 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Instrument :

BNA_N

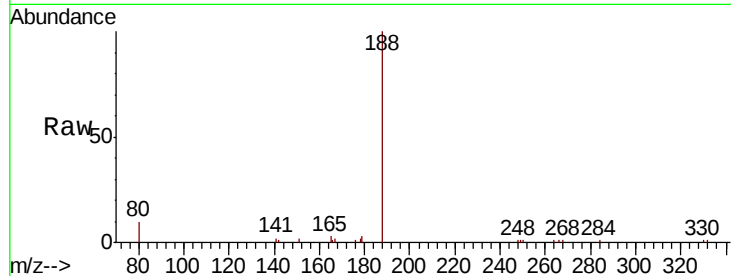
ClientSampleId :

PST-024-SW128-092519

Tot Ion:	188	Resp:	16707
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.1	7.4	11.2

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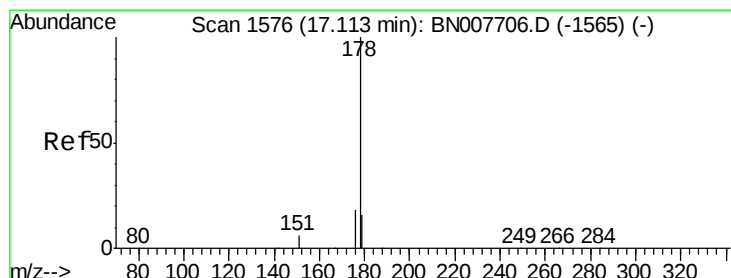
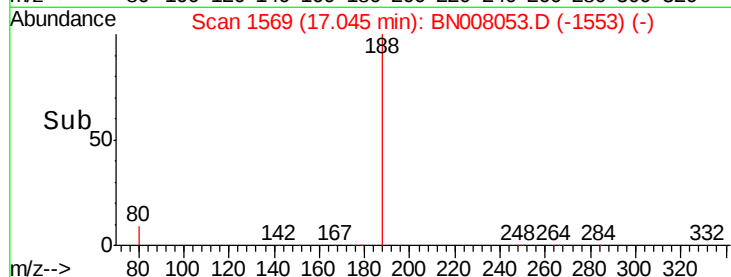
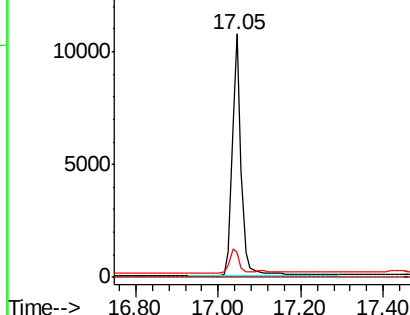


Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23

Phenanthrene

Concen: 0.507 ng

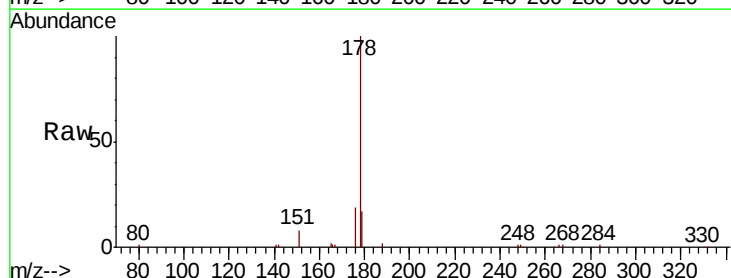
RT: 17.09 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Tgt Ion:	178	Resp:	26404
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	16.7	12.5	18.7

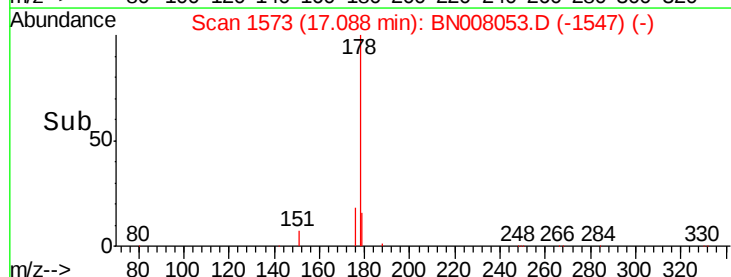
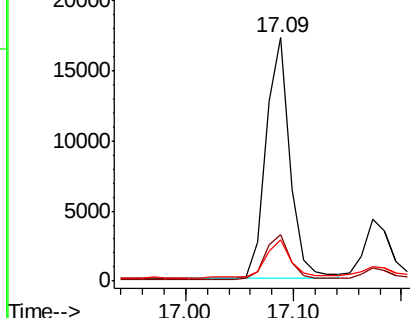


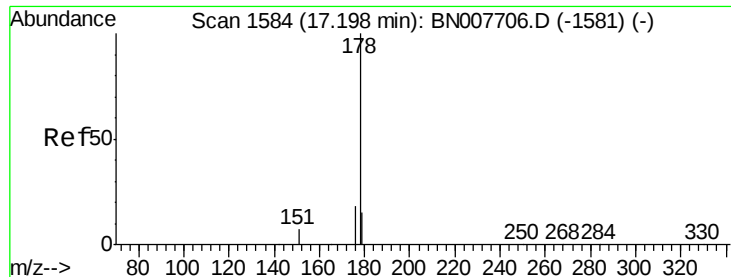
Abundance

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





#24

Anthracene

Concen: 0.130 ng

RT: 17.17 min Scan# 1581

Delta R.T. -0.03 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Instrument :

BNA_N

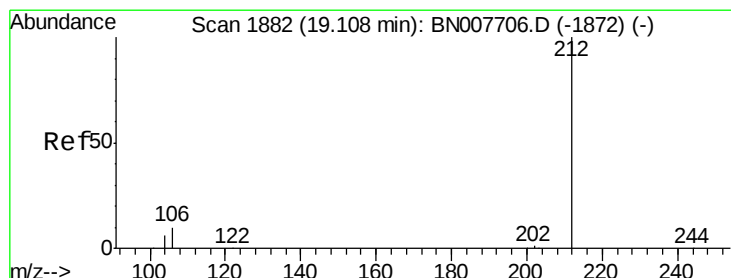
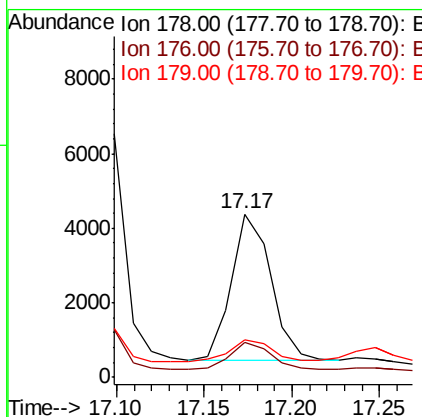
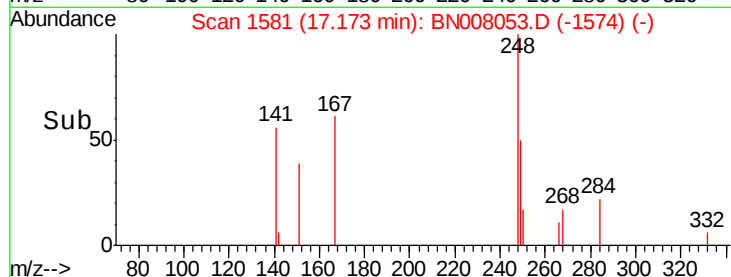
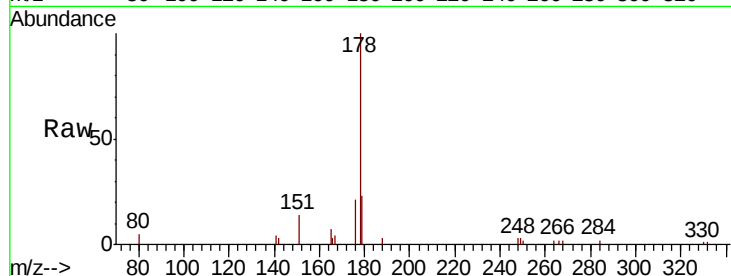
ClientSampleId :

PST-024-SW128-092519

Tot Ion:178	Resp:	6096
Ion Ratio	Lower	Upper
178	100	
176	18.1	14.6 21.8
179	16.8	12.2 18.4

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#25

Fluoranthene-d10

Concen: 0.222 ng

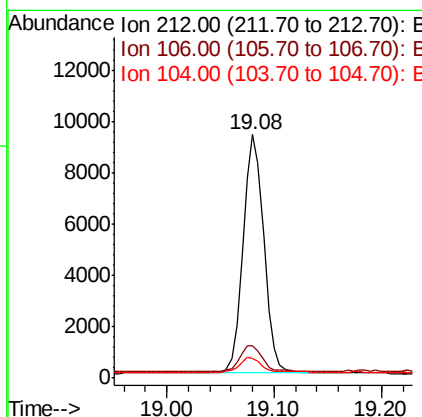
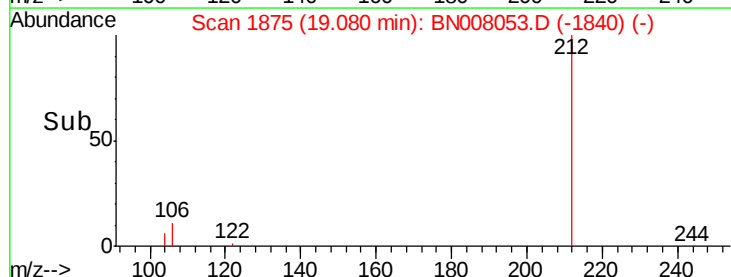
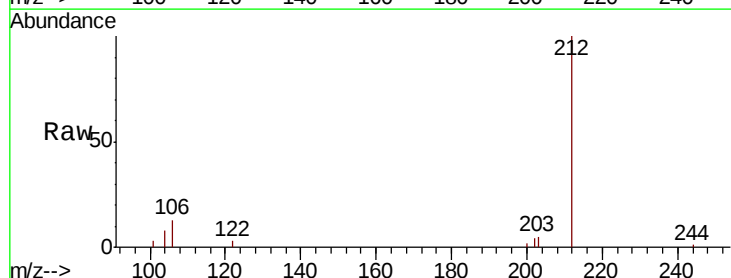
RT: 19.08 min Scan# 1875

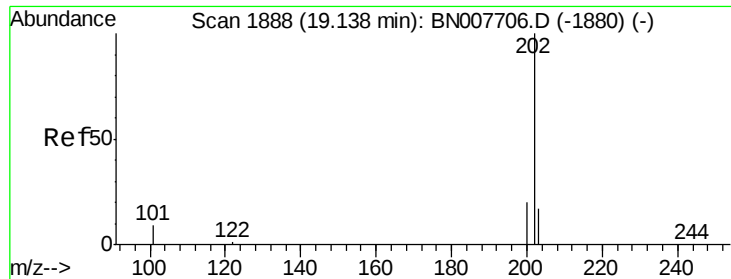
Delta R.T. -0.03 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Tgt Ion:212	Resp:	12514
Ion Ratio	Lower	Upper
212	100	
106	11.8	9.4 14.0
104	7.1	5.3 7.9





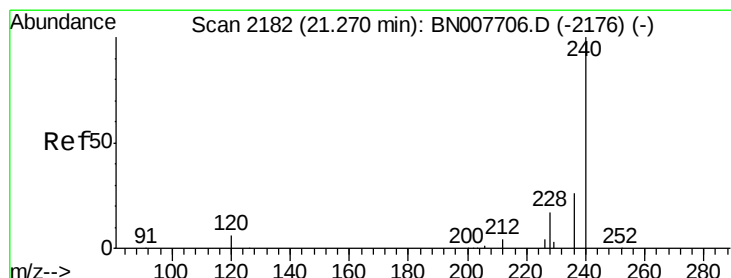
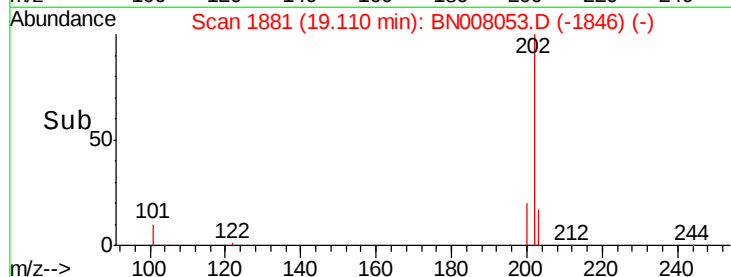
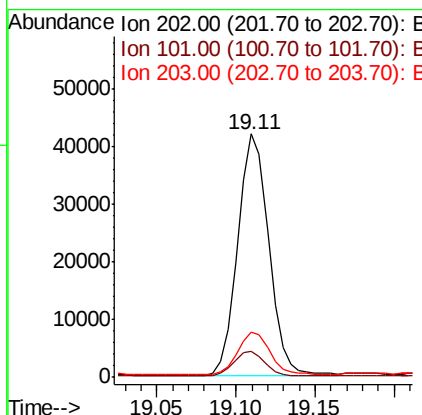
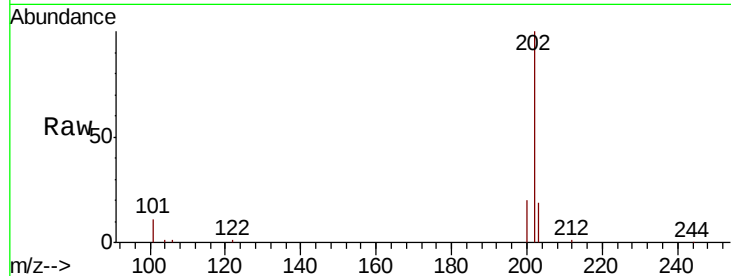
#26
Fluoranthene
 Concen: 0.883 ng
 RT: 19.11 min Scan# 1881
 Delta R.T. -0.03 min
 Lab File: BN008053.D
 Acq: 07 Oct 2019 17:03

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.4	12.6
203	18.0	13.8	20.8

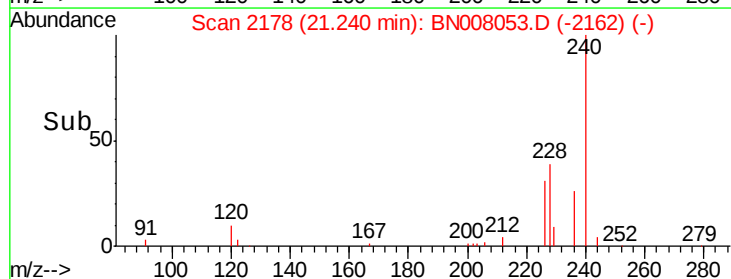
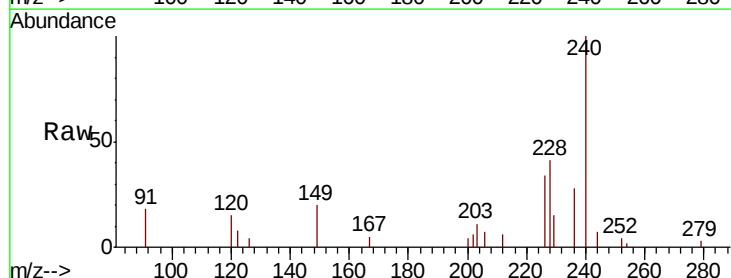
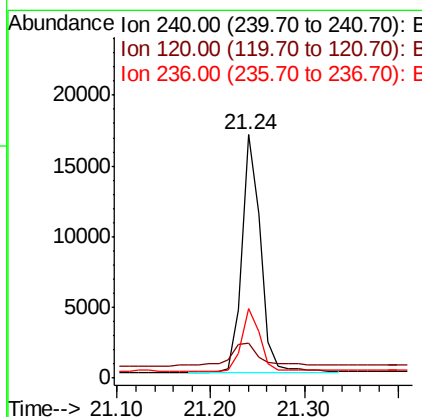
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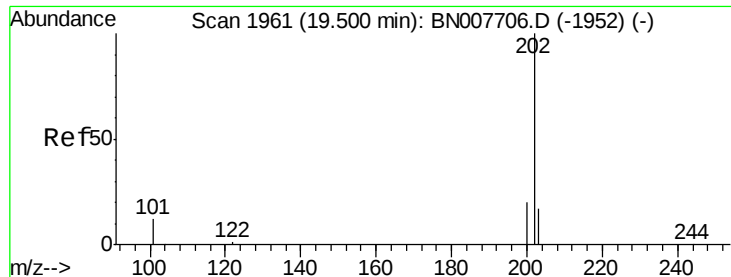
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 2178
 Delta R.T. -0.03 min
 Lab File: BN008053.D
 Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.4	8.2#
236	28.4	21.0	31.4





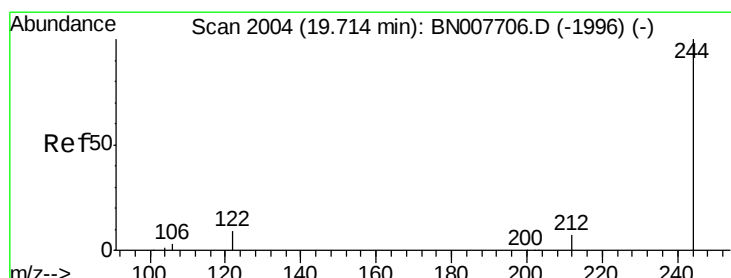
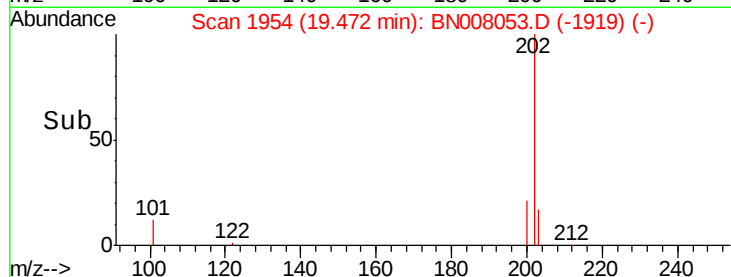
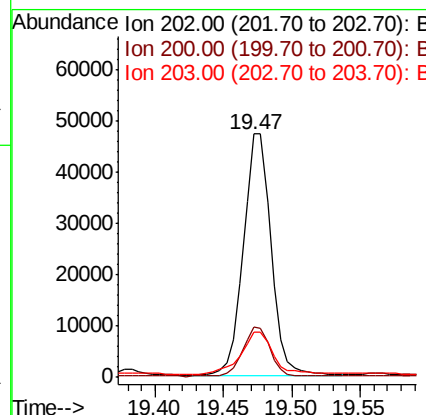
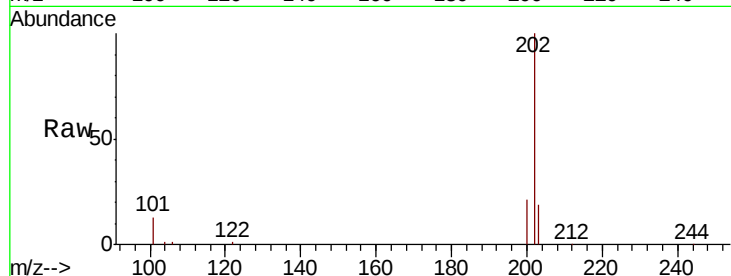
#28
Pvrene
Concen: 0.835 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	65883		
200	20.5		16.4	24.6
203	20.4		14.1	21.1

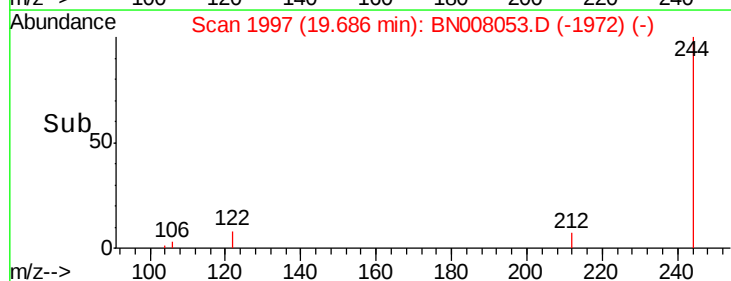
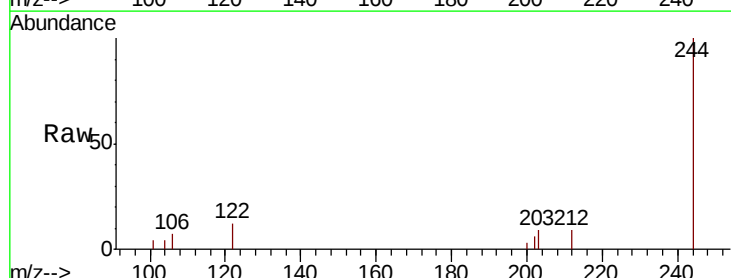
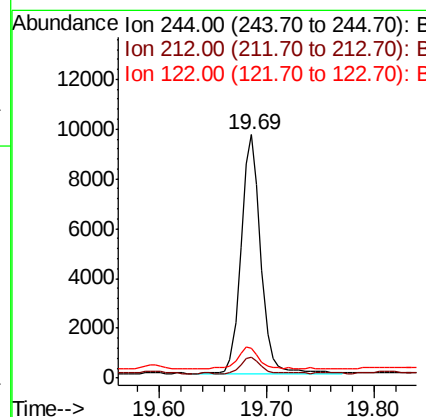
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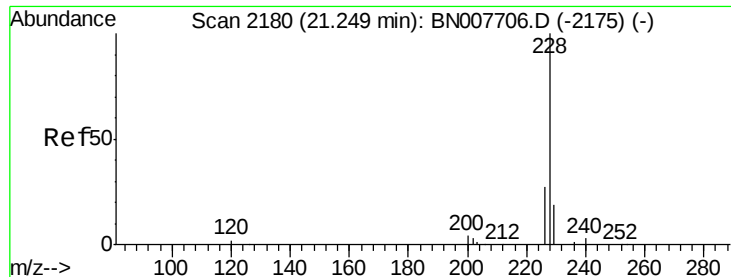
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#29
Terphenyl-d14
Concen: 0.216 ng
RT: 19.69 min Scan# 1997
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	12269		
212	8.7		5.9	8.9
122	12.3		7.4	11.2#





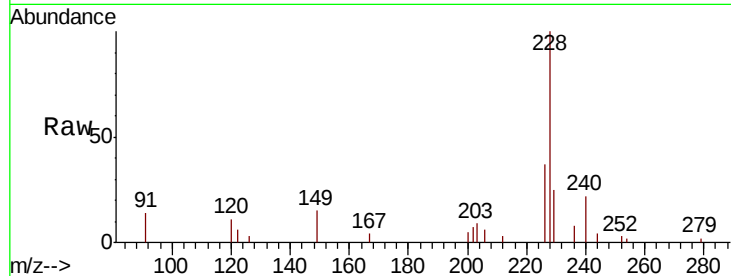
#30
Benzo(a)anthracene
Concen: 0.384 ng
RT: 21.23 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.8	22.1	33.1#
229	24.7	15.8	23.6#

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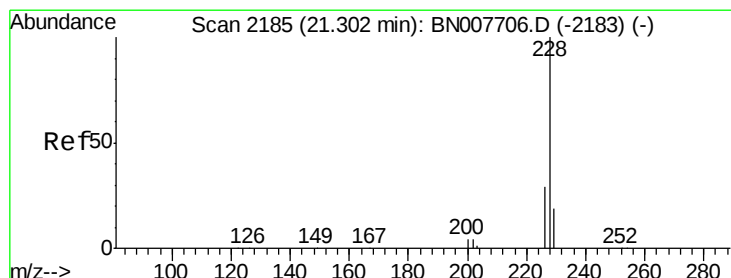
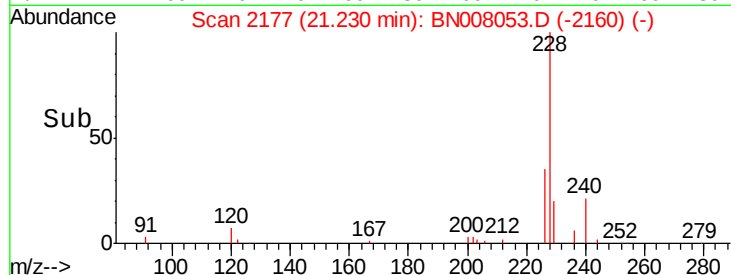
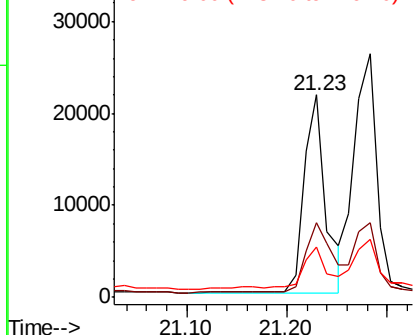


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.485 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

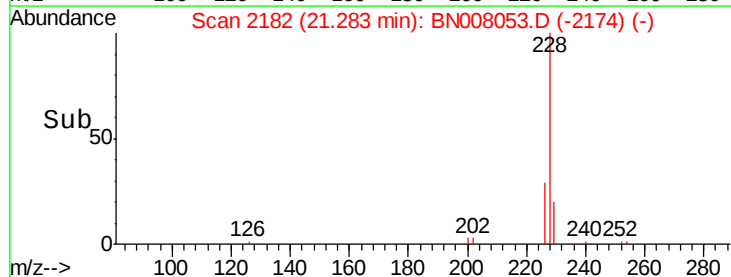
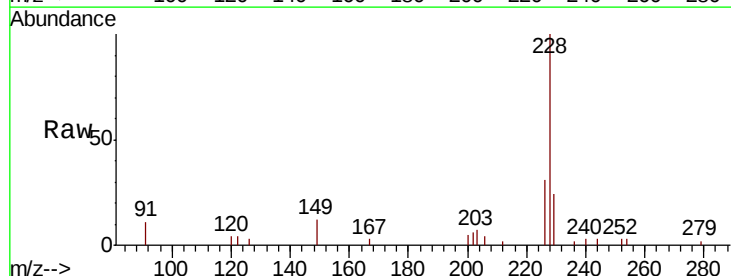
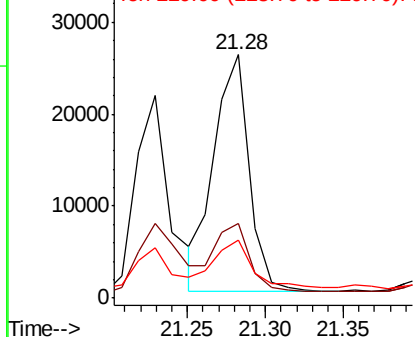
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	23.9	15.8	23.6#

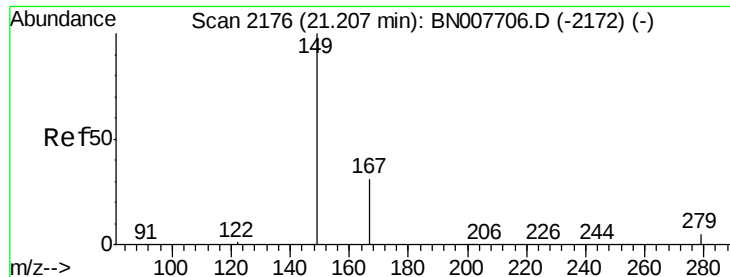
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.980 ng

RT: 21.17 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Instrument :

BNA_N

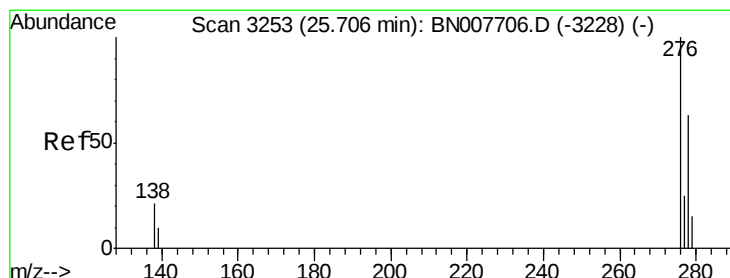
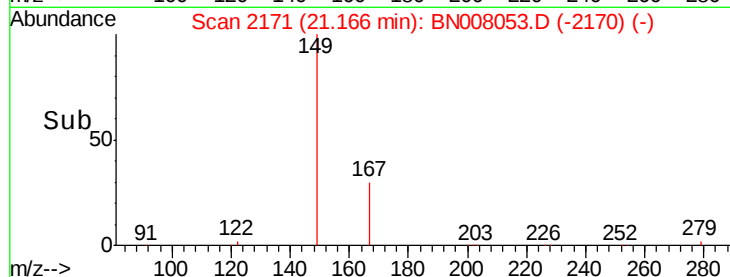
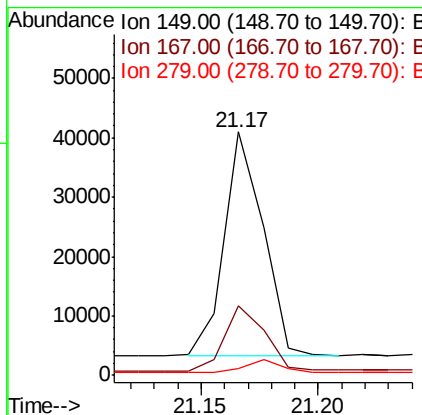
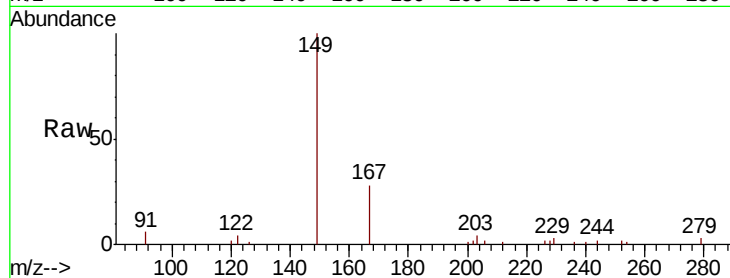
ClientSampleId :

PST-024-SW128-092519

Tot Ion:	149	Resp:	42957
Ion Ratio	Lower	Upper	
149	100		
167	29.6	23.7	35.5
279	5.5	4.2	6.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.257 ng

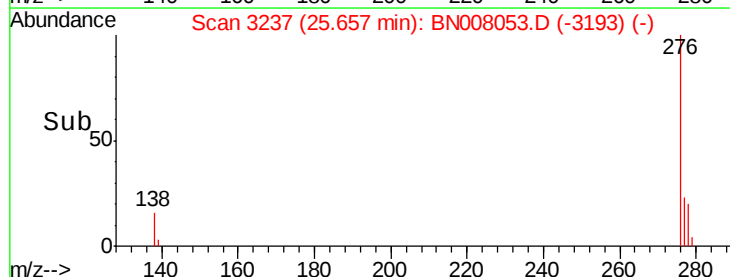
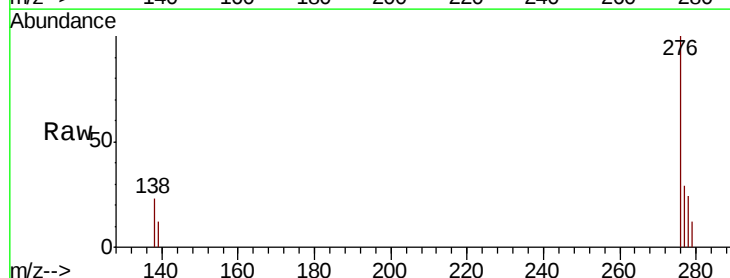
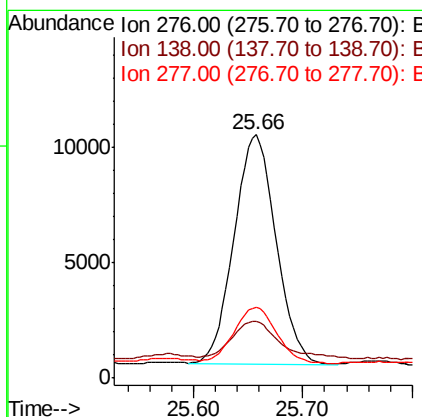
RT: 25.66 min Scan# 3237

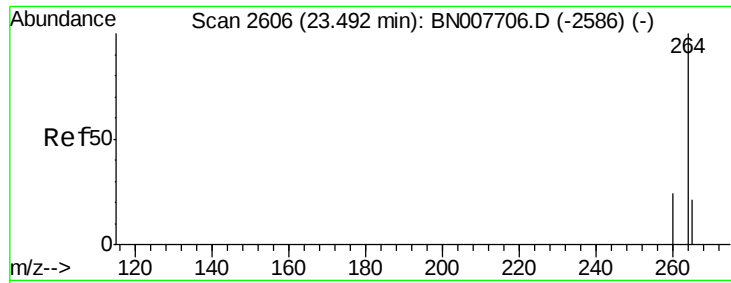
Delta R.T. -0.05 min

Lab File: BN008053.D

Acq: 07 Oct 2019 17:03

Tgt Ion:	276	Resp:	26703
Ion Ratio	Lower	Upper	
276	100		
138	17.6	17.1	25.7
277	24.7	20.0	30.0





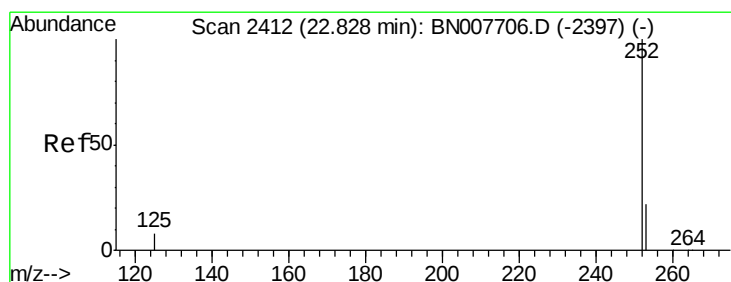
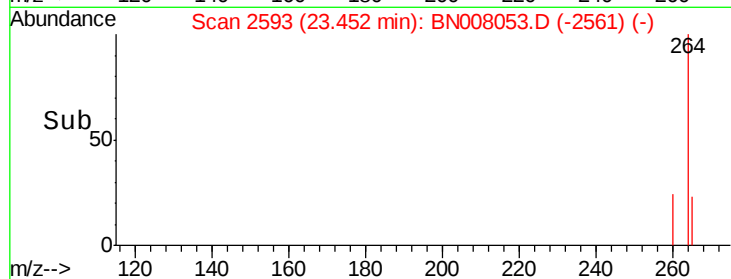
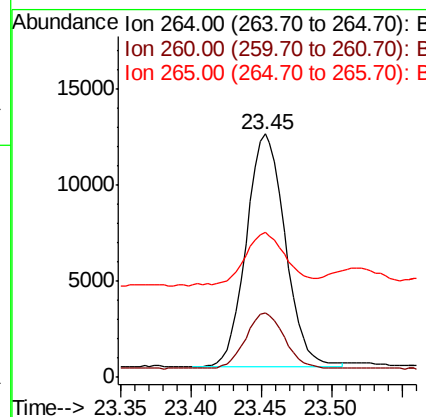
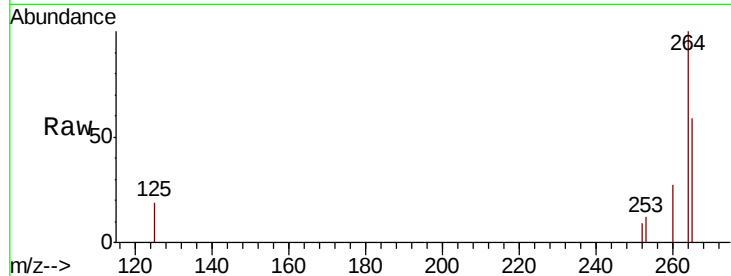
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.45 min Scan# 2593
Delta R.T. -0.04 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.3	28.9
265	59.4	26.9	40.3

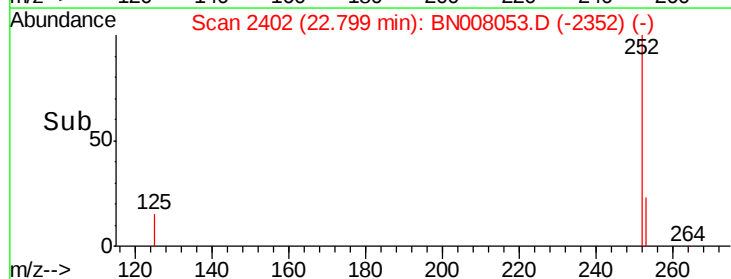
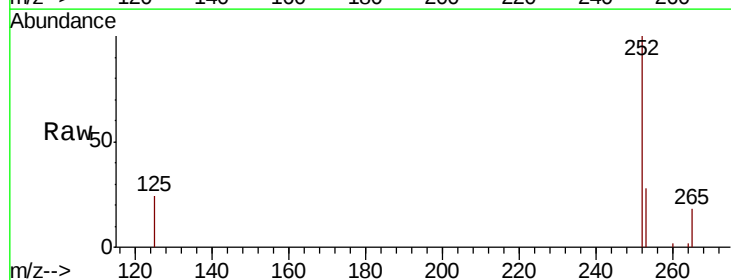
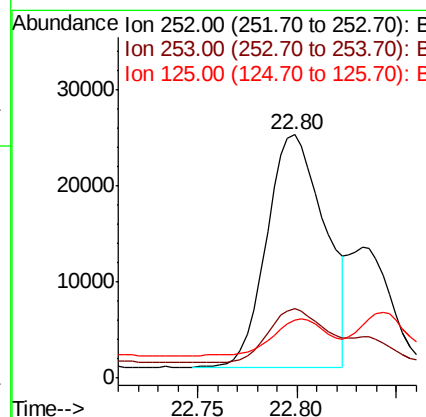
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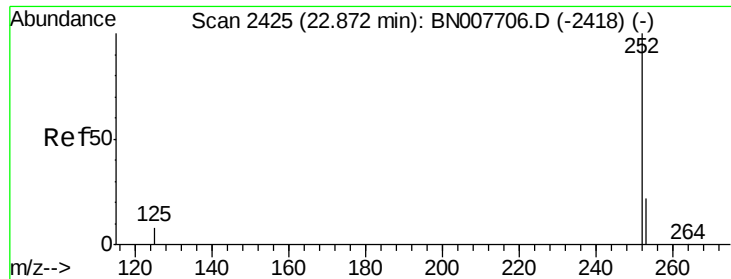
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#35
Benzo(b)fluoranthene
Concen: 0.609 ng
RT: 22.80 min Scan# 2402
Delta R.T. -0.03 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.3	27.5
125	23.8	8.2	12.4





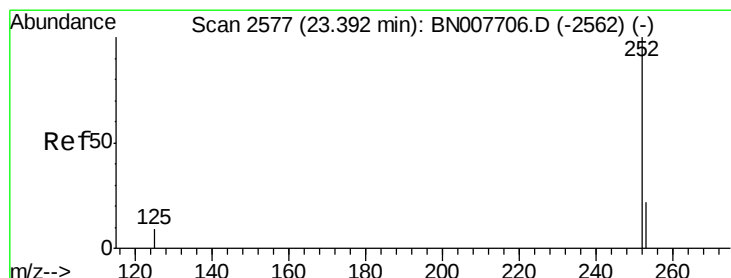
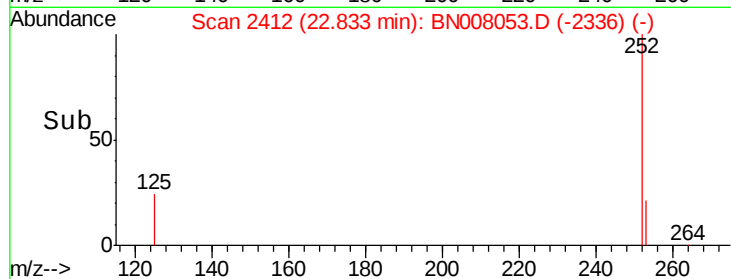
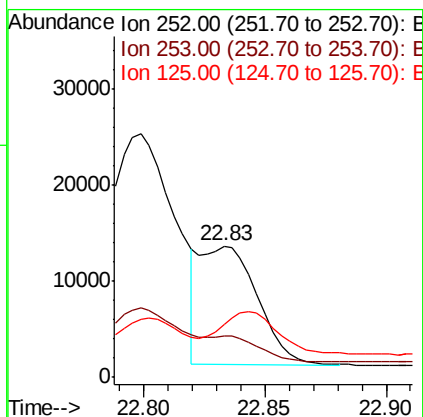
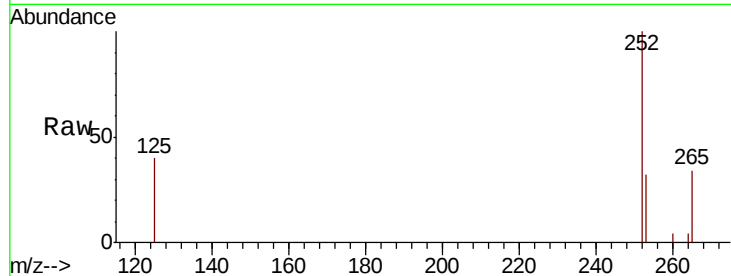
#36
Benzo(k)fluoranthene
Concen: 0.256 ng m
RT: 22.83 min Scan# 2412
Delta R.T. -0.04 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.9	18.5	27.7#
125	40.3	8.4	12.6#

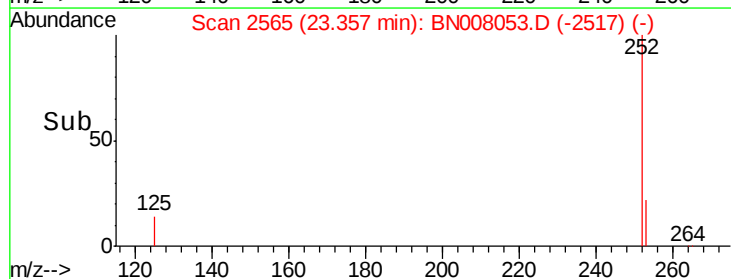
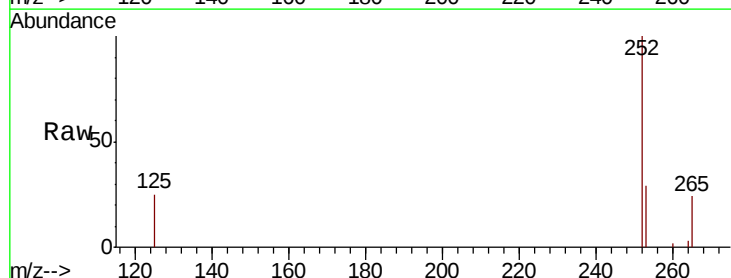
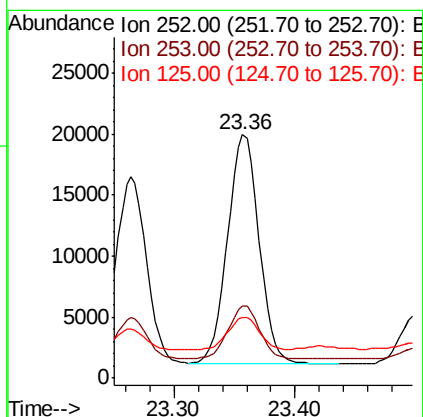
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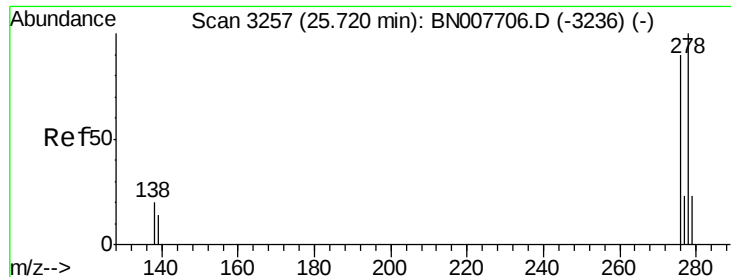
mohammad
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#37
Benzo(a)pyrene
Concen: 0.449 ng
RT: 23.36 min Scan# 2565
Delta R.T. -0.04 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.4	18.6	27.8#
125	25.0	9.4	14.0#





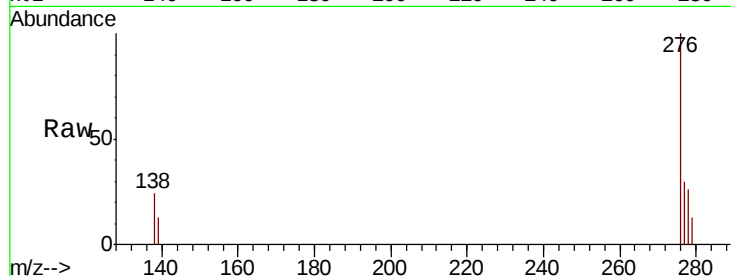
#38
Dibenzo(a,h)anthracene
Concen: 0.088 ng
RT: 25.66 min Scan# 3238
Delta R.T. -0.06 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
PST-024-SW128-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	48.1	11.8	17.6#
279	50.2	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/8/2019 12:23:17 PM

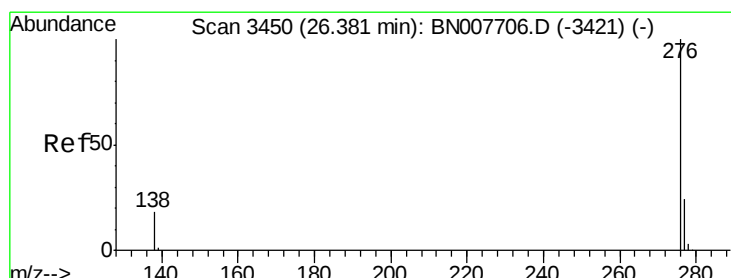
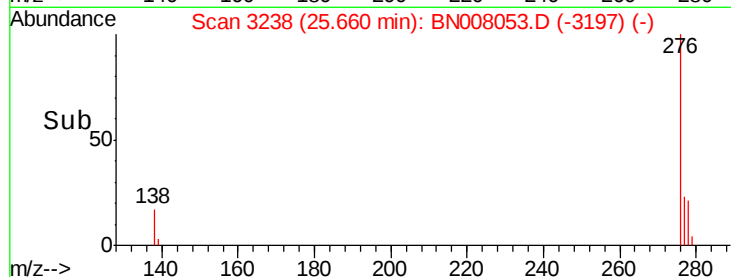
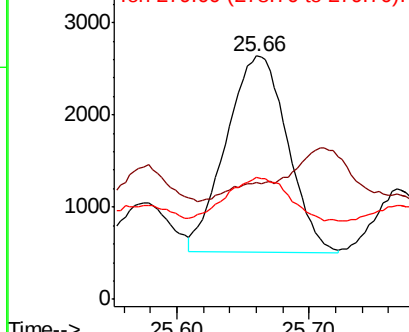


Abundance

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: 0.376 ng
RT: 26.33 min Scan# 3434
Delta R.T. -0.05 min
Lab File: BN008053.D
Acq: 07 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.9	19.8	29.8
138	23.9	15.1	22.7#

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

