

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008038.D
 Acq On : 05 Oct 2019 22:25
 Operator : JU
 Sample : K5077-21DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW136-092619DL

Manual Integrations
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Quant Time: Oct 07 07:09:39 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	7.68	152	4546	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	18532	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	11684	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	23780	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	24780	0.40	ng	-0.02
34) Perylene-d12	23.47	264	28767	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	400	0.03	ng	-0.02
5) Phenol-d6	6.87	99	714	0.03	ng	0.00
8) Nitrobenzene-d5	8.82	82	893	0.06	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1893	0.06	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	205	0.03	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	2578	0.05	ng	-0.02
25) Fluoranthene-d10	19.09	212	4708	0.06	ng	-0.02
29) Terphenyl-d14	19.69	244	4305	0.07	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	11439	0.220	ng	97
12) 2-Methylnaphthalene	12.12	142	15693	0.446	ng	100
16) Acenaphthylene	14.02	152	113047	1.824	ng	99
17) Acenaphthene	14.37	154	11860	0.297	ng	99
18) Fluorene	15.36	166	42254	0.825	ng	# 91
23) Phenanthrene	17.09	178	505116	6.819	ng	100
24) Anthracene	17.19	178	99931	1.494	ng	99
26) Fluoranthene	19.12	202	619936	6.730	ng	99
28) Pyrene	19.48	202	726618	8.598	ng	97
30) Benzo(a)anthracene	21.24	228	351413m	3.851	ng	
31) Chrysene	21.28	228	349776	3.933	ng	97
32) Bis(2-ethylhexyl)phthalate	21.17	149	7574	0.161	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	196117	1.761	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	356464	3.569	ng	100
36) Benzo(k)fluoranthene	22.84	252	134978m	1.367	ng	
37) Benzo(a)pyrene	23.37	252	288927	3.079	ng	99
38) Dibenzo(a,h)anthracene	25.68	278	52899	0.551	ng	# 85
39) Benzo(g,h,i)perylene	26.36	276	212521	2.237	ng	99

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

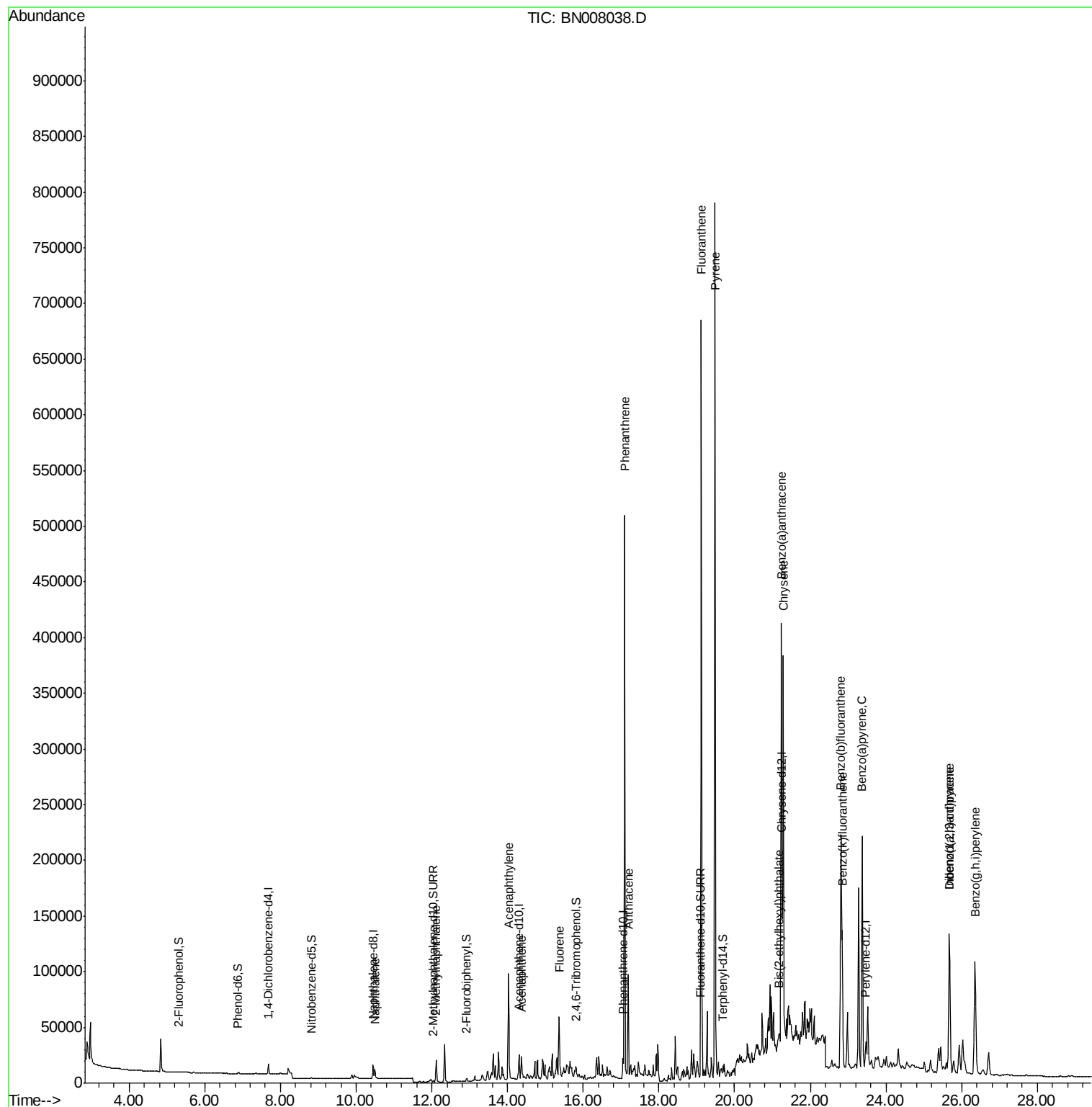
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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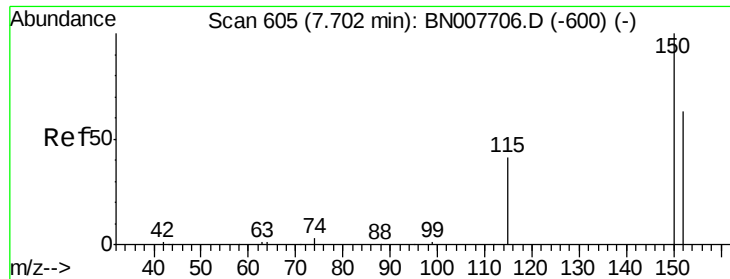
Instrument :
BNA_N
ClientSampleId :
PST-024-SW136-092619DL

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Quant Time: Oct 07 07:09:39 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

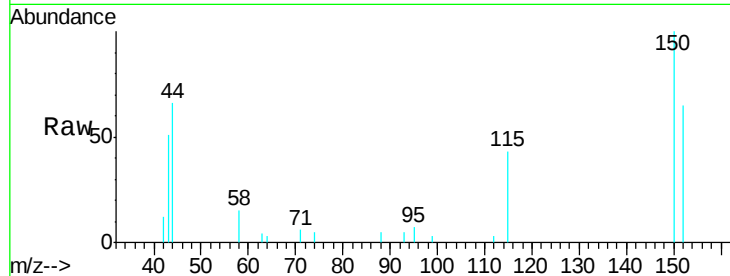




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

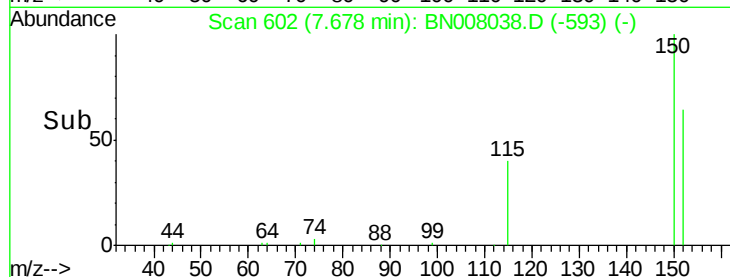
Instrument :
BNA_N
ClientSampleId :
PST-024-SW136-092619DL



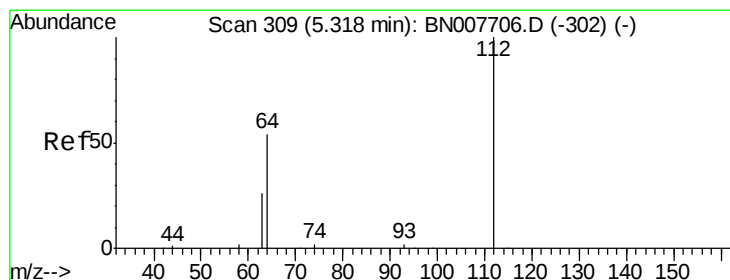
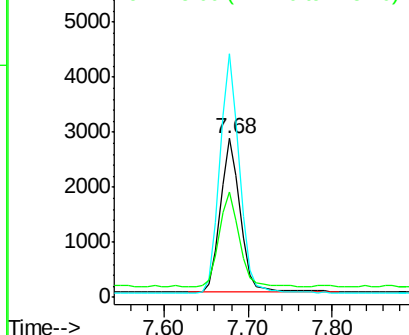
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	125.6	188.4
115	66.6	53.3	79.9

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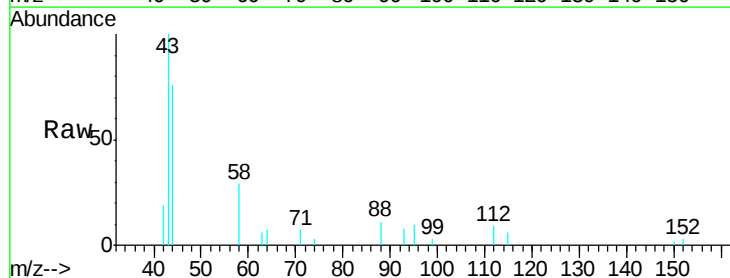
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



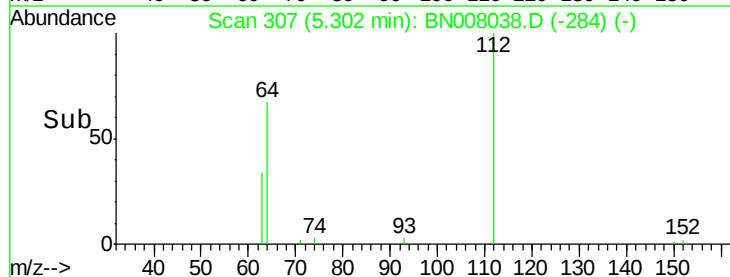
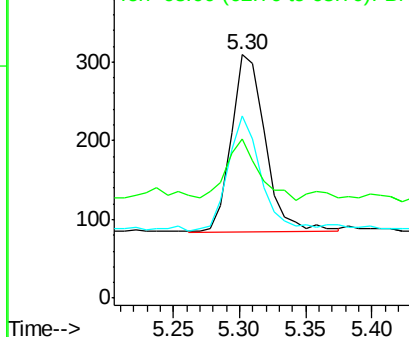
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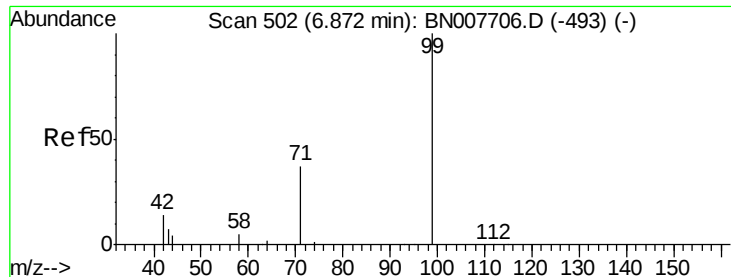
2-Fluorophenol
Concen: 0.026 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	46.6	70.0
63	32.0	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: 0.031 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Instrument :

BNA_N

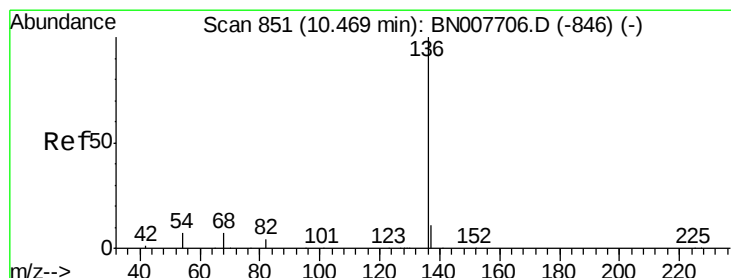
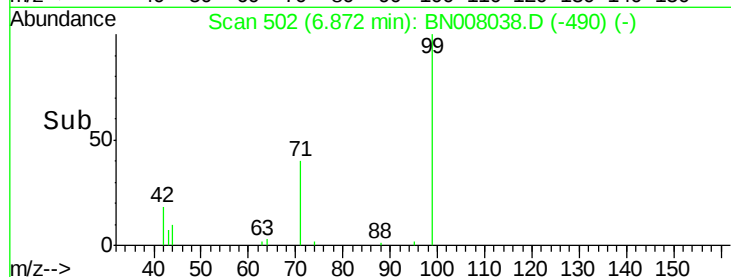
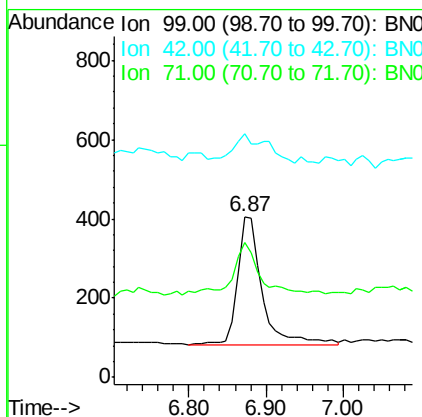
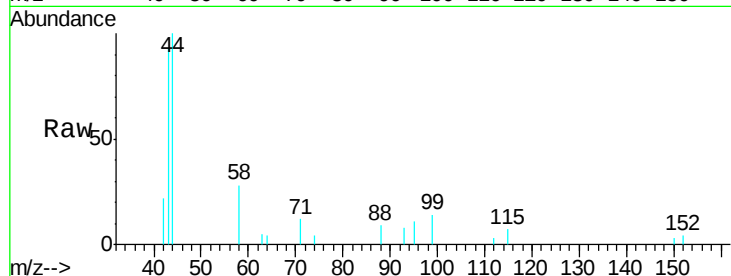
ClientSampleId :

PST-024-SW136-092619DL

Tgt Ion:	99	Resp:	714
Ion	Ratio	Lower	Upper
99	100		
42	31.5	12.8	19.2#
71	44.3	27.6	41.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

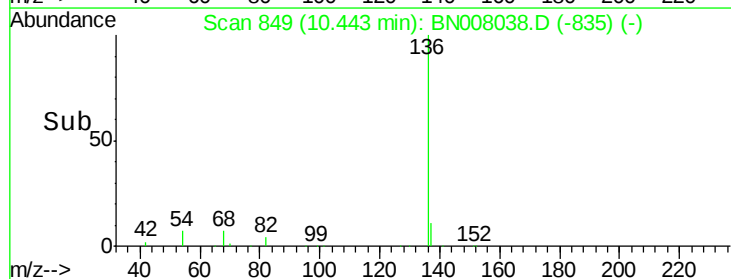
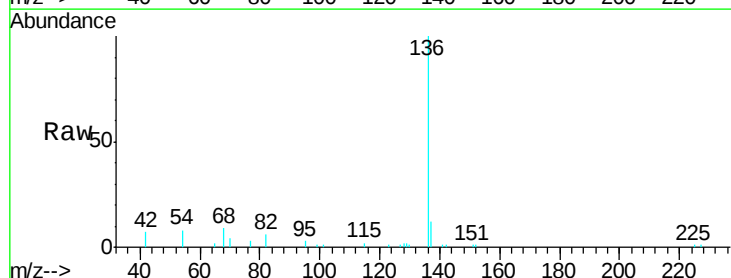
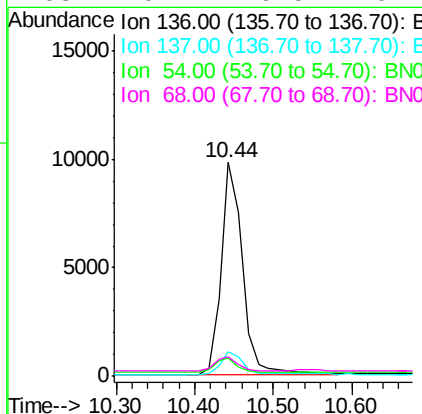
RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Tgt Ion:	136	Resp:	18532
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	8.4	5.8	8.8
68	9.2	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.055 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Instrument :

BNA_N

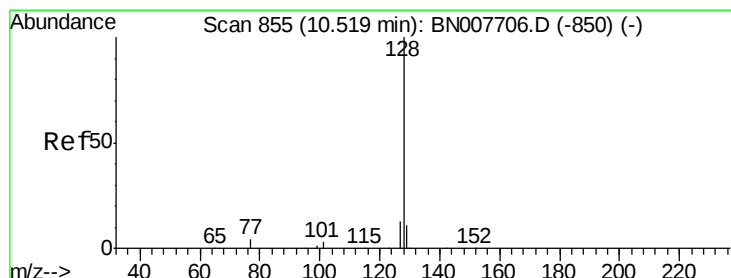
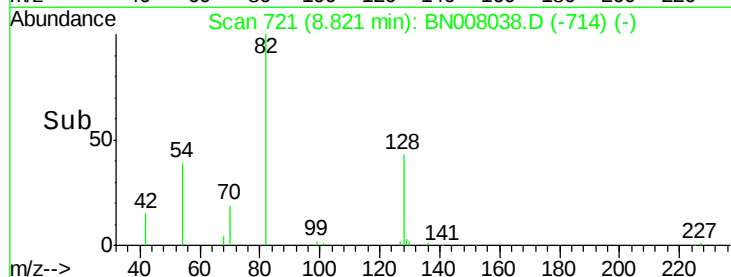
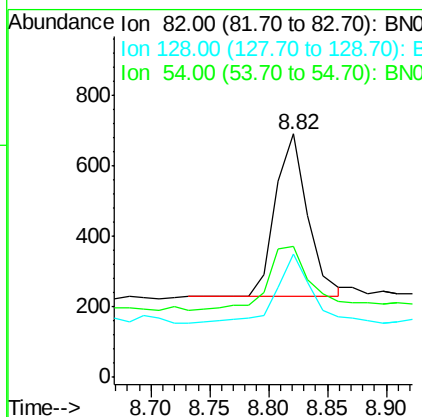
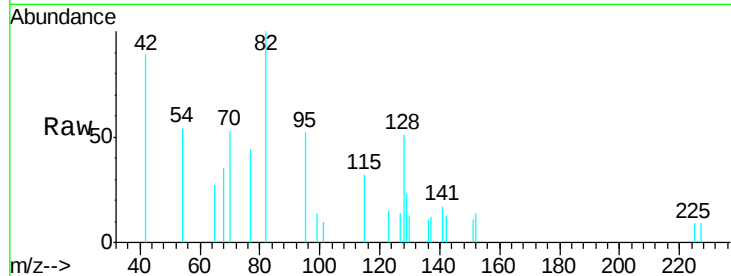
ClientSampleId :

PST-024-SW136-092619DL

Tgt Ion:	82	Resp:	893
Ion Ratio	Lower	Upper	
82	100		
128	50.9	24.5	36.7#
54	53.9	35.2	52.8#

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#9

Naphthalene

Concen: 0.220 ng

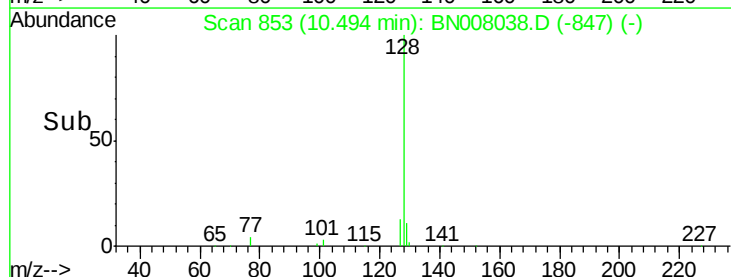
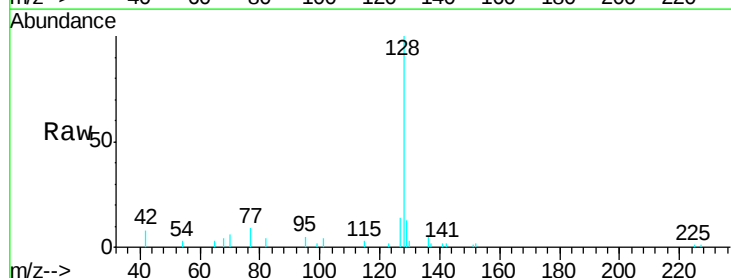
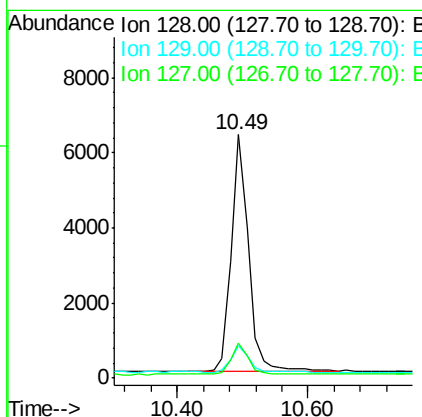
RT: 10.49 min Scan# 853

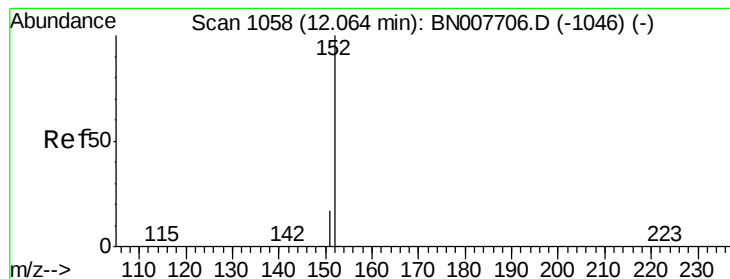
Delta R.T. -0.03 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Tgt Ion:	128	Resp:	11439
Ion Ratio	Lower	Upper	
128	100		
129	13.2	9.1	13.7
127	14.2	10.6	15.8





#11

2-Methylnaphthalene-d10

Concen: 0.061 ng

RT: 12.04 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Instrument :

BNA_N

ClientSampleId :

PST-024-SW136-092619DL

Tgt Ion:152 Resp: 1893

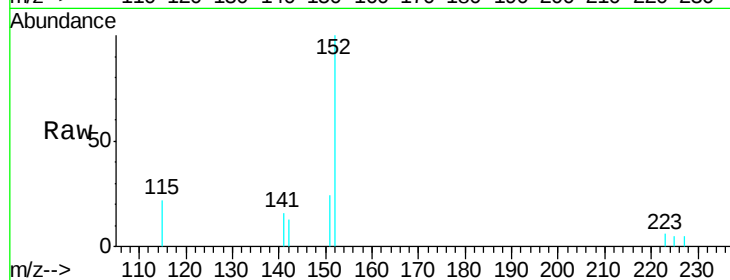
Ion Ratio Lower Upper

152 100

151 20.3 15.4 23.2

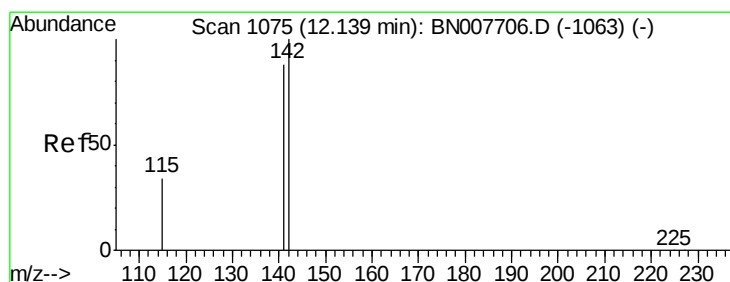
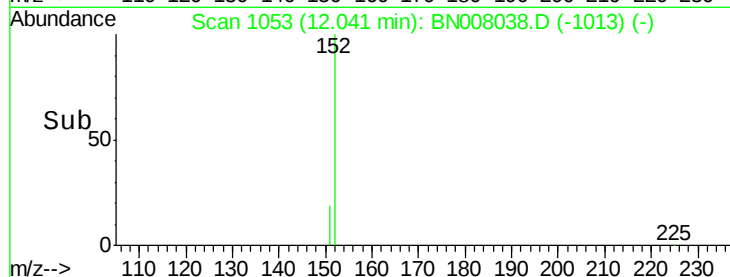
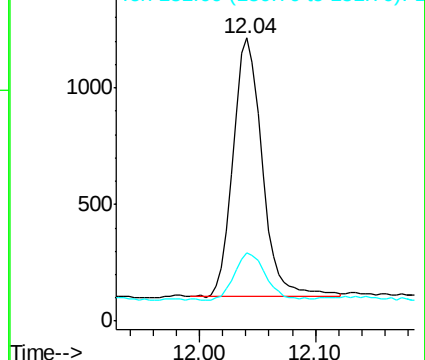
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.446 ng

RT: 12.12 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

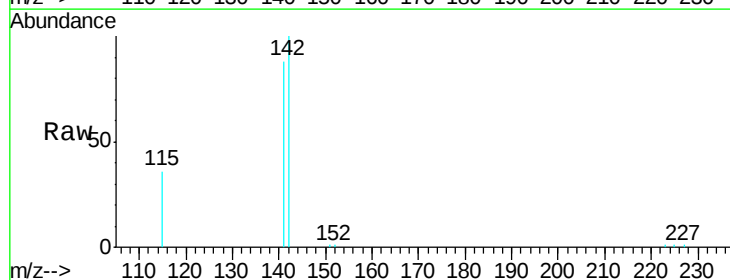
Tgt Ion:142 Resp: 15693

Ion Ratio Lower Upper

142 100

141 88.5 70.6 106.0

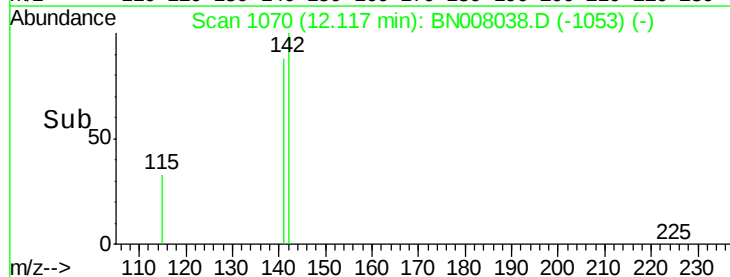
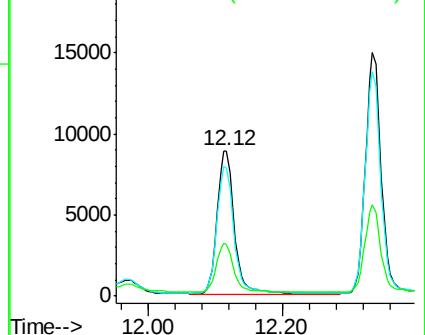
115 35.6 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





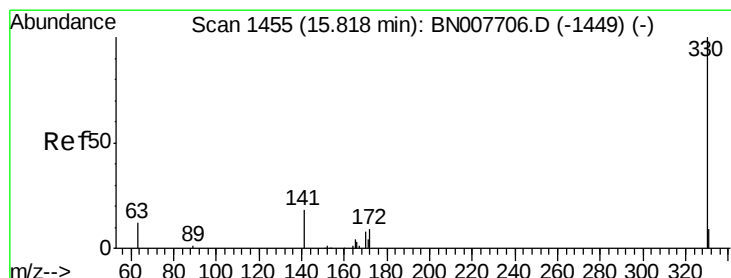
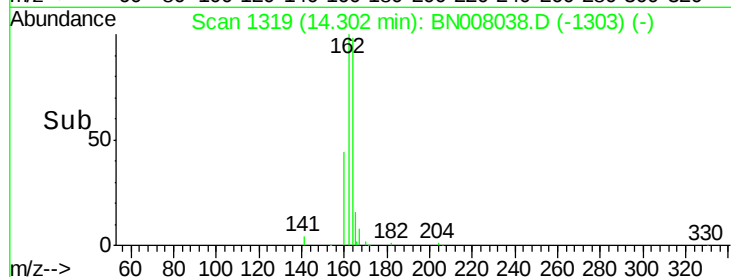
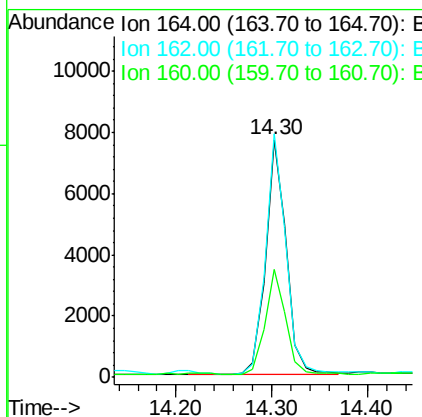
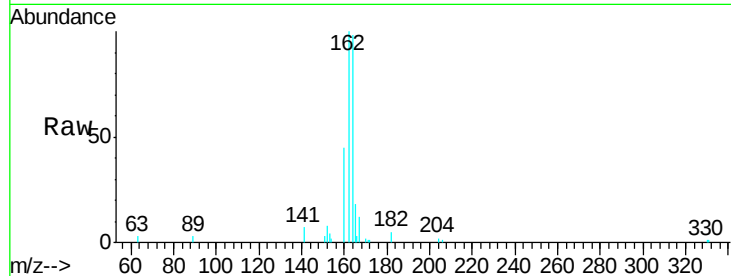
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Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW136-092619DL

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.7	122.5
160	45.7	37.0	55.4

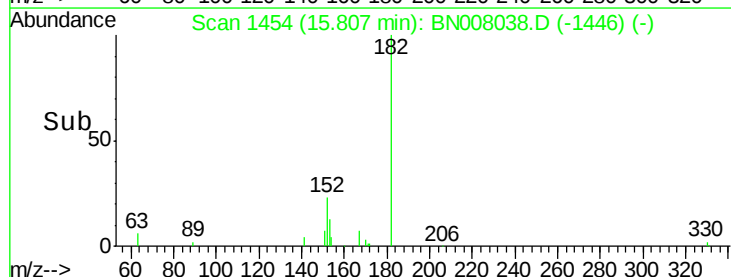
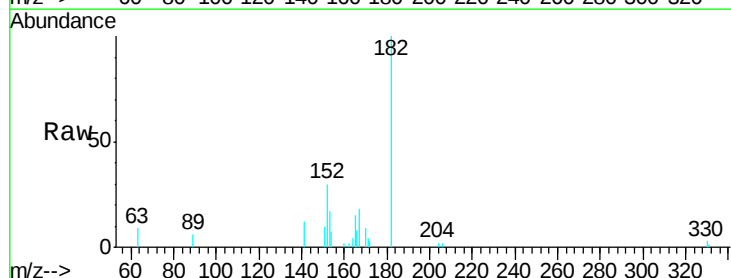
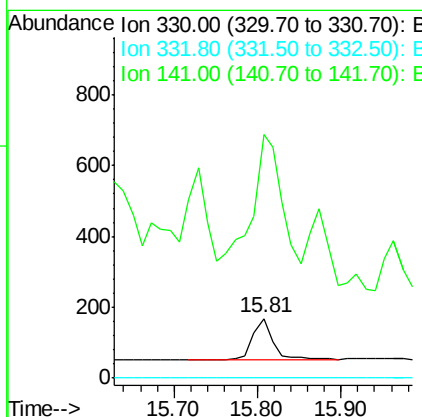
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#14
2,4,6-Tribromophenol
Concen: 0.032 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	425.4	28.7	43.1#





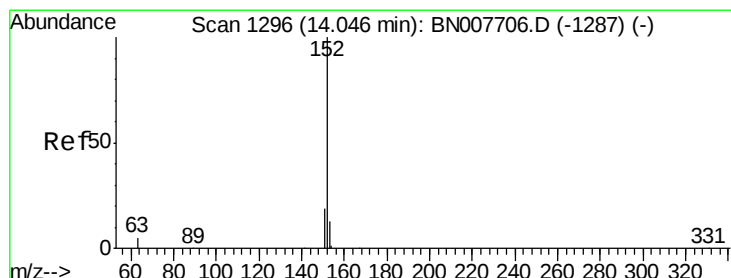
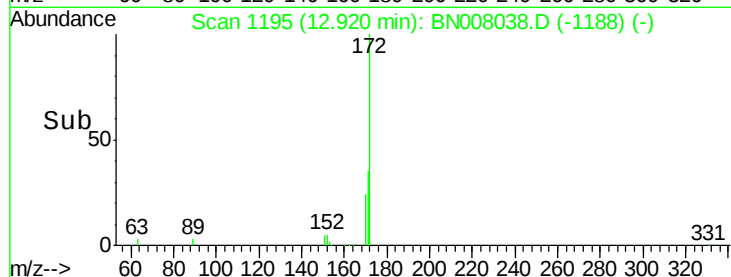
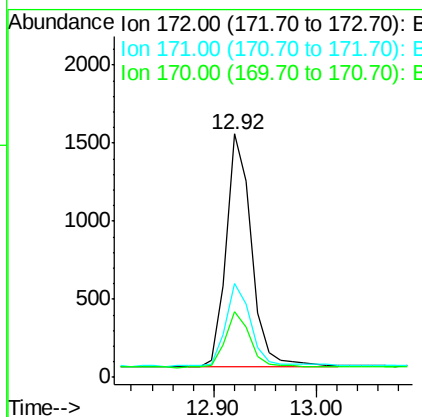
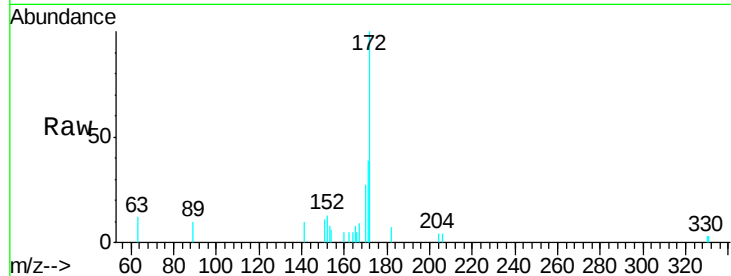
#15
2-Fluorobiphenyl
Concen: 0.054 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW136-092619DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	28.8	43.2
170	27.1	19.5	29.3

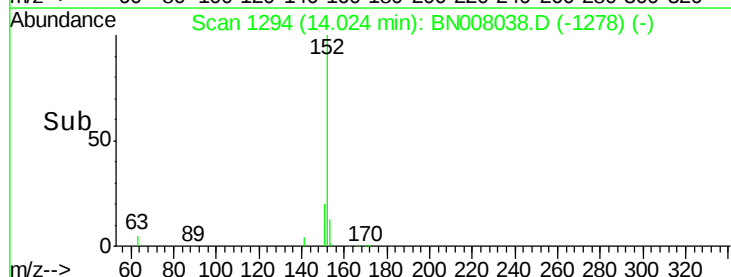
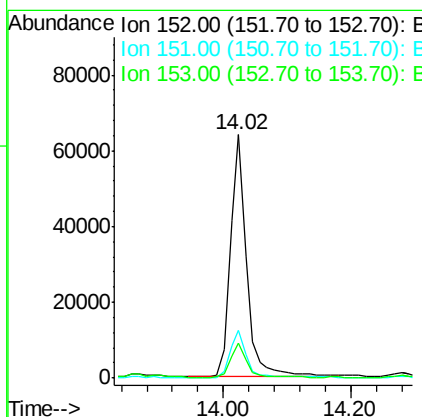
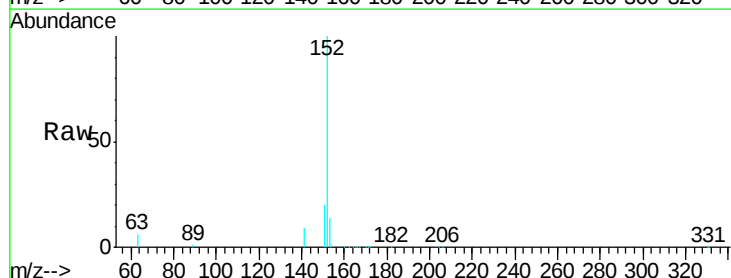
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#16
Acenaphthylene
Concen: 1.824 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	13.9	10.4	15.6





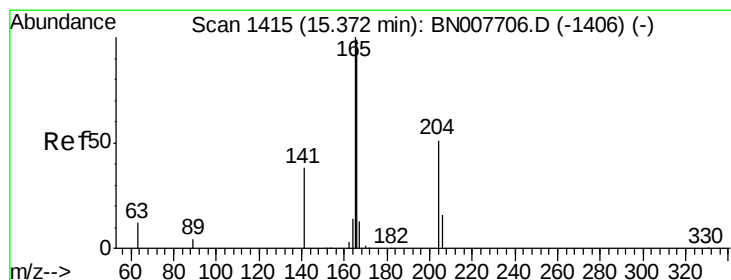
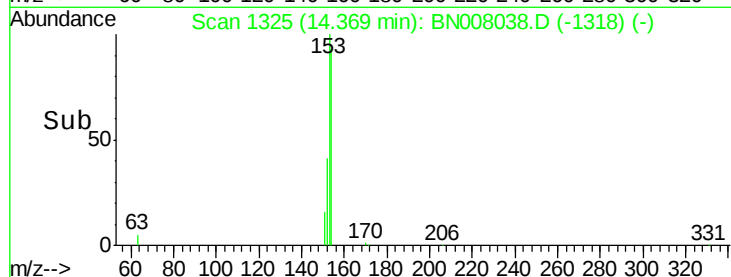
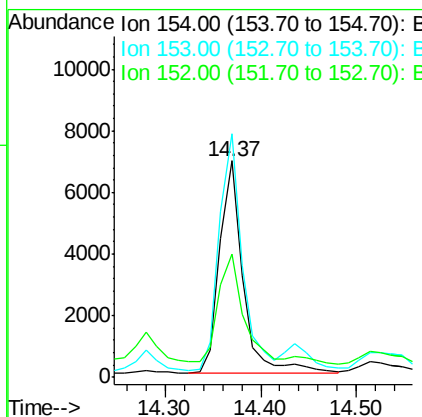
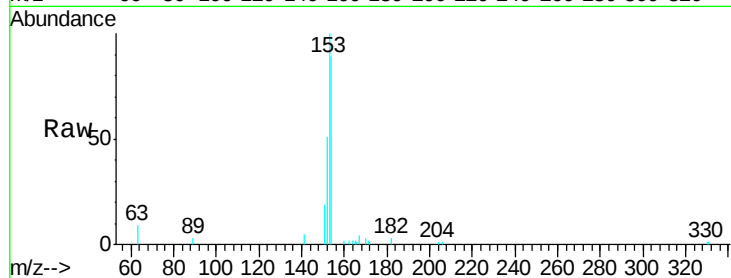
#17
Acenaphthene
Concen: 0.297 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Instrument :
BNA_N
ClientSampleID :
PST-024-SW136-092619DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.3	87.0	130.4
152	52.7	42.7	64.1

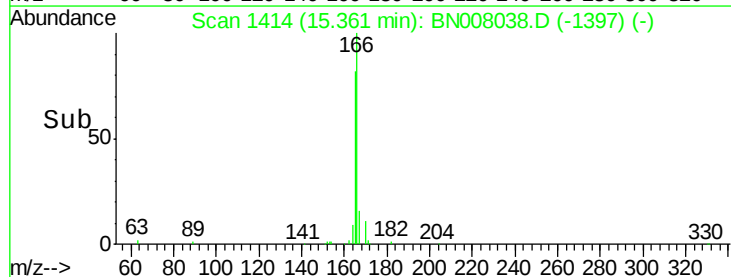
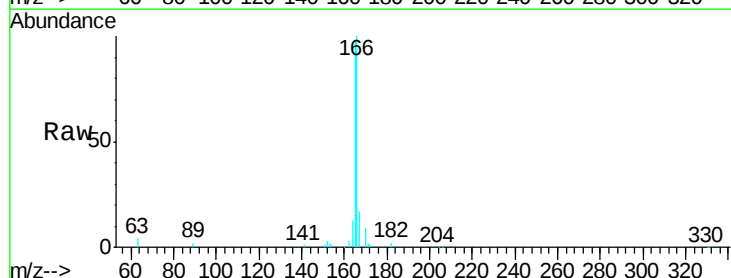
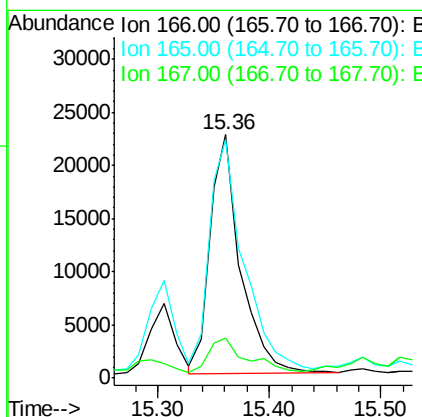
Manual Integrations
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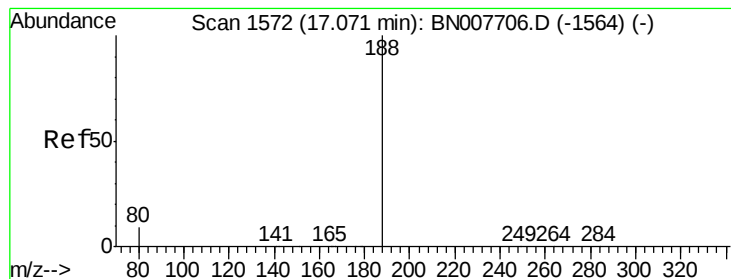
mohammad
10/7/2019 4:40:10 PM



#18
Fluorene
Concen: 0.825 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.9	78.0	117.0
167	17.1	10.9	16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Instrument :

BNA_N

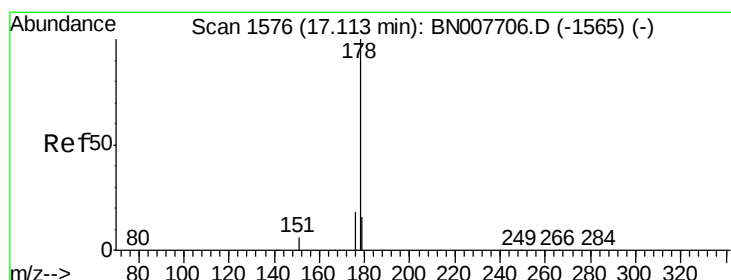
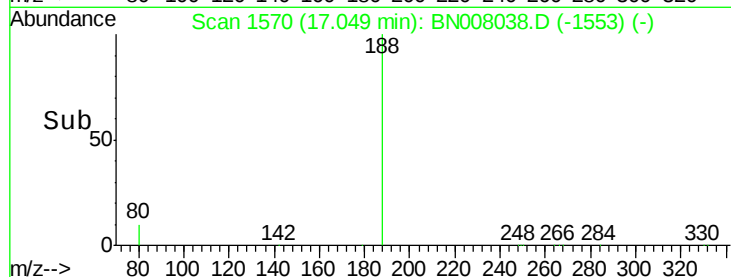
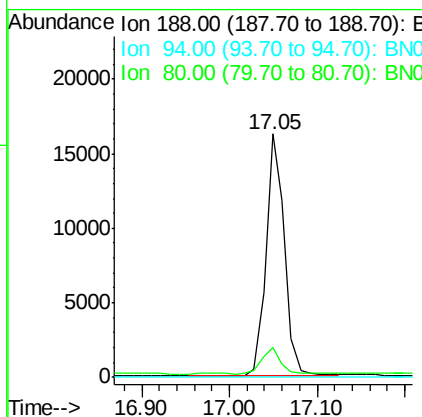
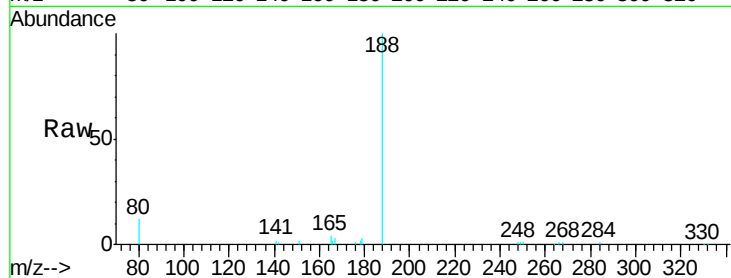
ClientSampleId :

PST-024-SW136-092619DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	23780		
94	0.0	0.0	0.0	
80	12.1	7.4	11.2	

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#23

Phenanthrene

Concen: 6.819 ng

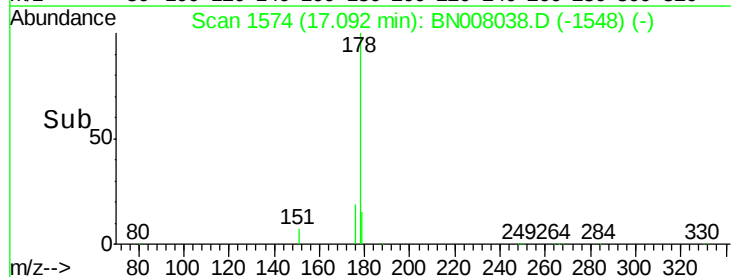
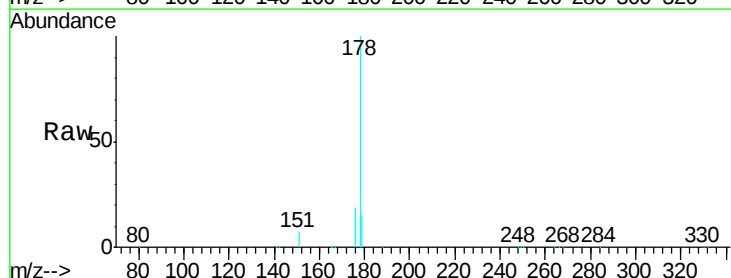
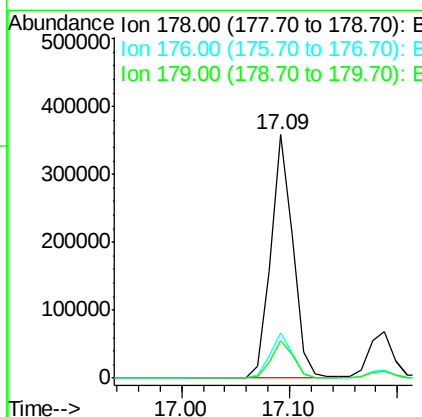
RT: 17.09 min Scan# 1574

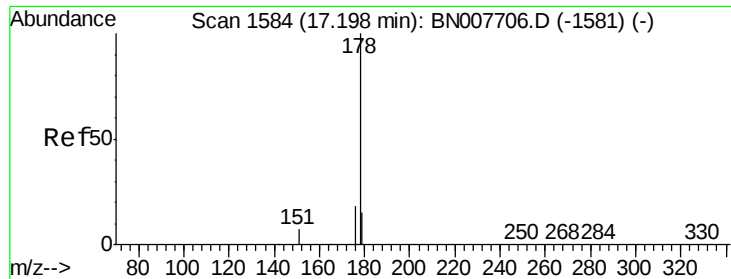
Delta R.T. -0.02 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	505116		
176	18.6	14.9	22.3	
179	15.7	12.5	18.7	





#24

Anthracene

Concen: 1.494 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Instrument :

BNA_N

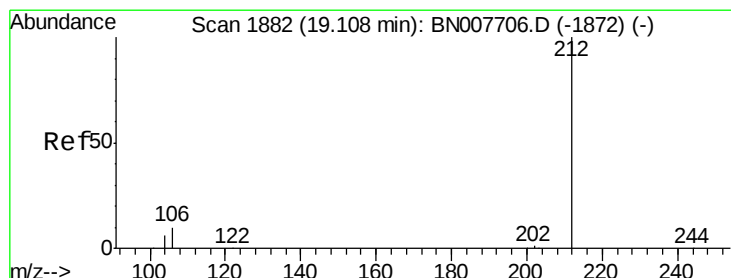
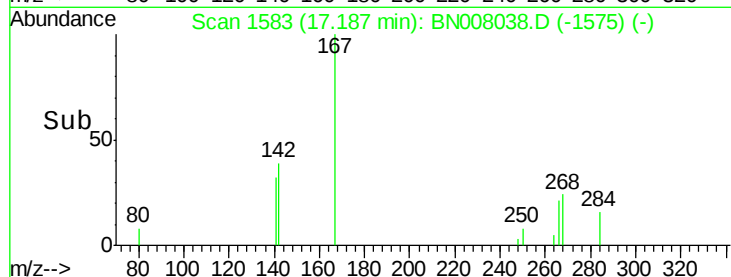
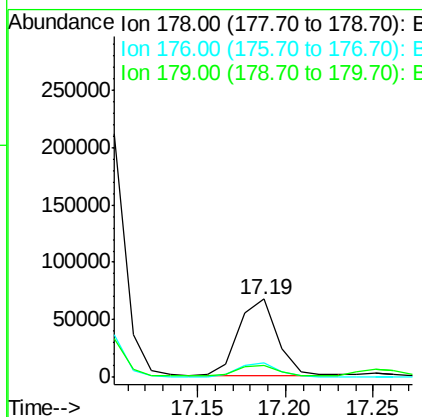
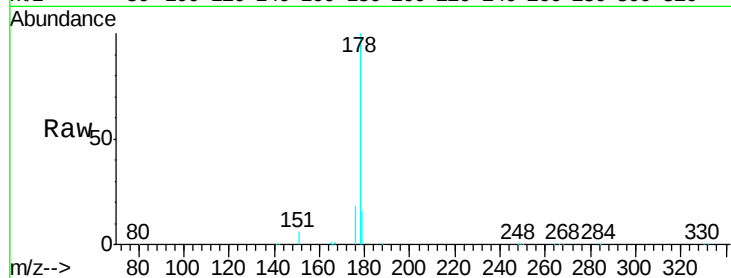
ClientSampleId :

PST-024-SW136-092619DL

Tgt Ion:	178	Resp:	99931
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.6	21.8
179	15.1	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.059 ng

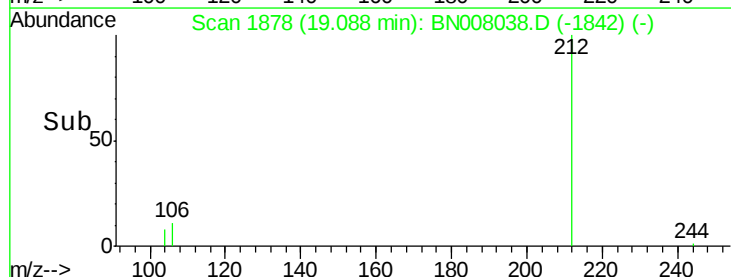
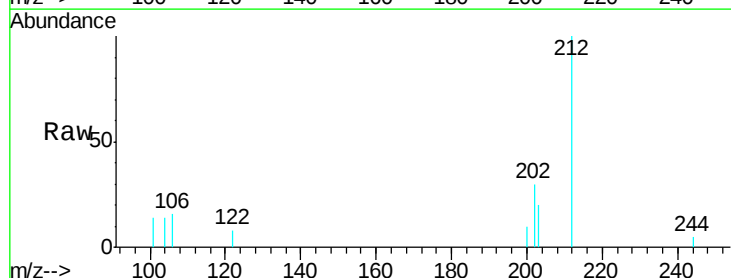
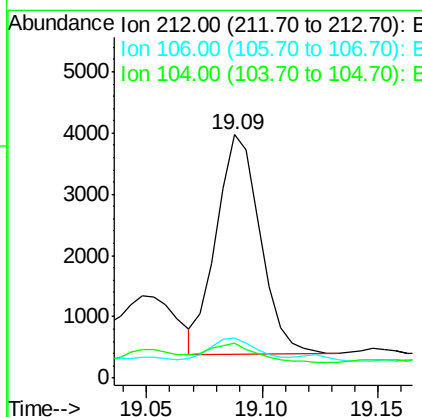
RT: 19.09 min Scan# 1878

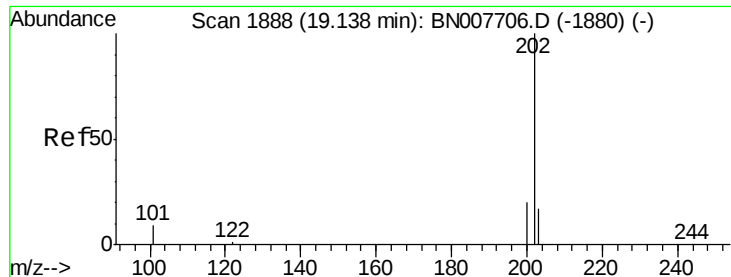
Delta R.T. -0.02 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Tgt Ion:	212	Resp:	4708
Ion Ratio	Lower	Upper	
212	100		
106	9.6	9.4	14.0
104	9.5	5.3	7.9#





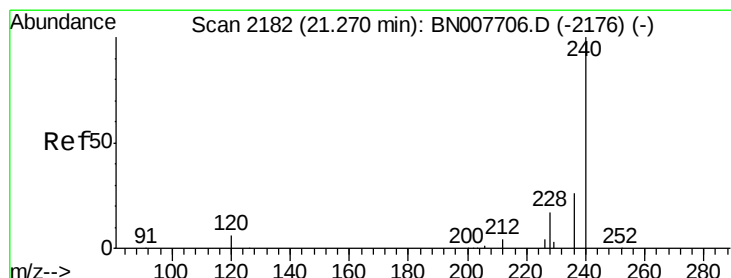
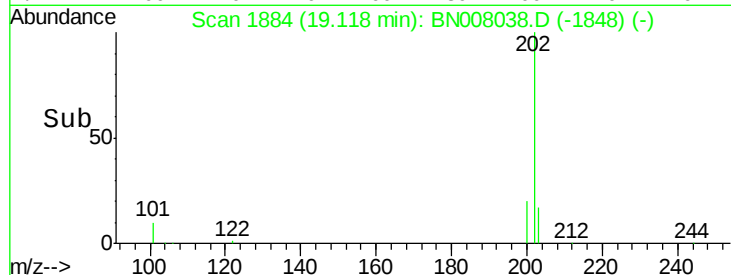
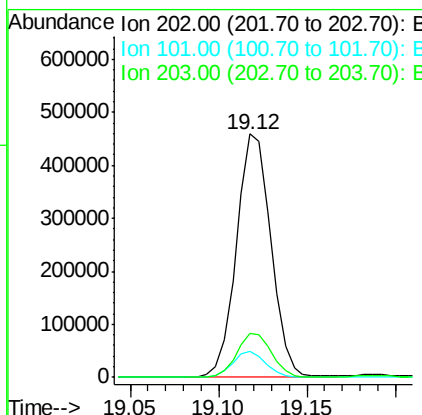
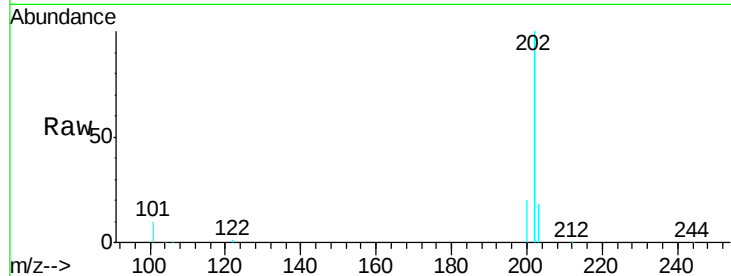
#26
 Fluoranthene
 Concen: 6.730 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.02 min
 Lab File: BN008038.D
 Acq: 05 Oct 2019 22:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW136-092619DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	619936		
101	10.2		8.4	12.6
203	17.9		13.8	20.8

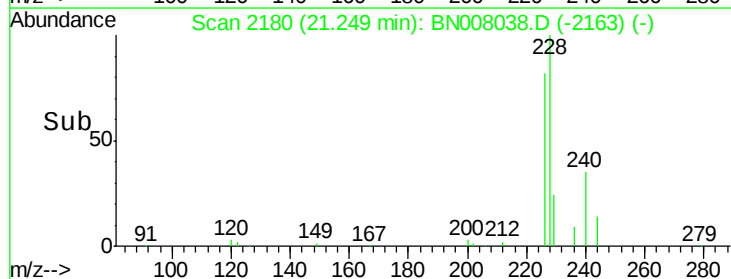
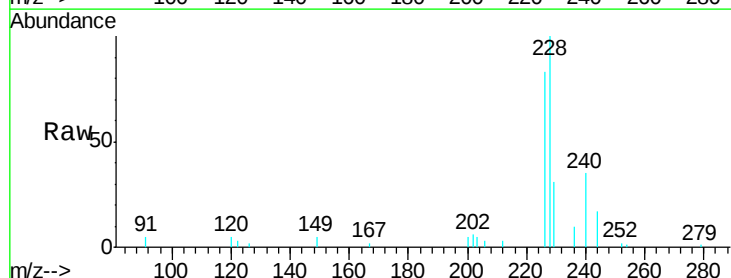
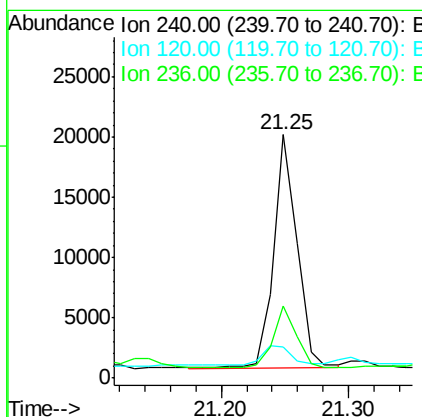
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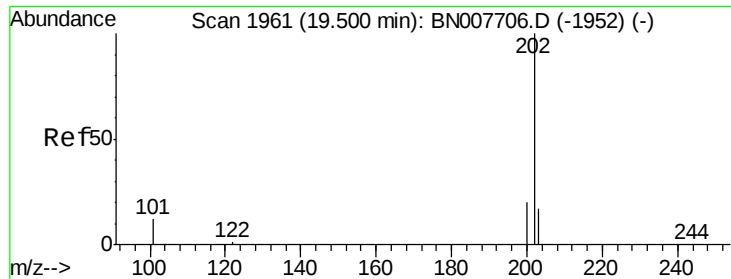
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN008038.D
 Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	24780		
120	12.8		5.4	8.2#
236	29.5		21.0	31.4





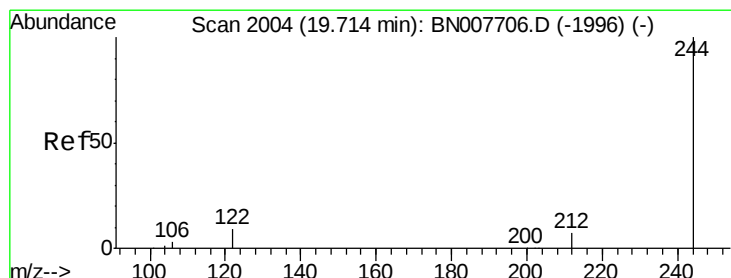
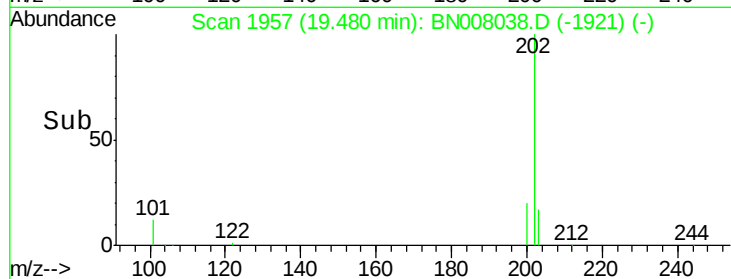
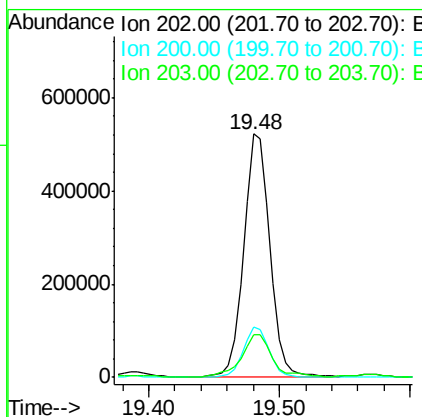
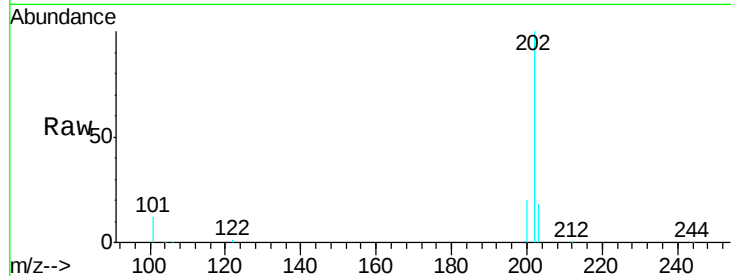
#28
 Pyrene
 Concen: 8.598 ng
 RT: 19.48 min Scan# 1957
 Delta R.T. -0.02 min
 Lab File: BN008038.D
 Acq: 05 Oct 2019 22:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW136-092619DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	16.4	24.6
203	20.3	14.1	21.1

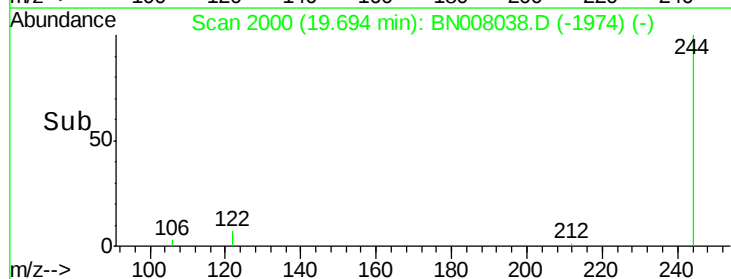
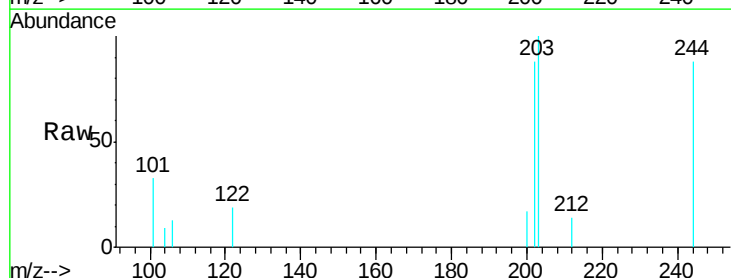
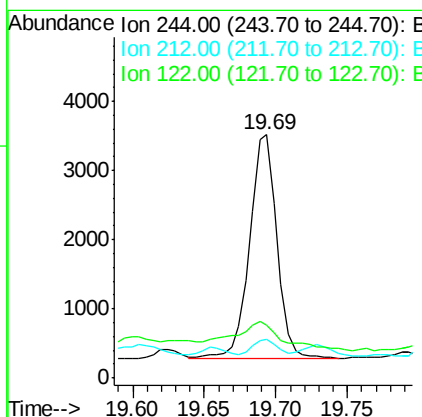
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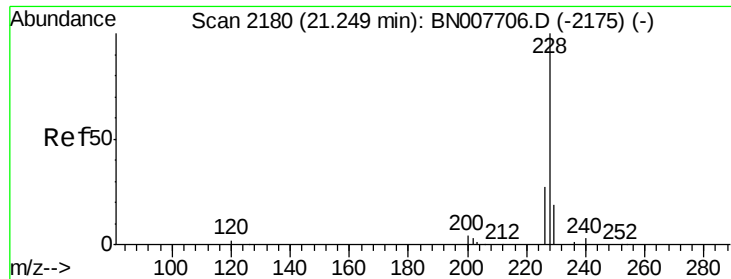
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#29
 Terphenyl-d14
 Concen: 0.071 ng
 RT: 19.69 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BN008038.D
 Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	16.0	5.9	8.9#
122	21.8	7.4	11.2#





#30

Benzo(a)anthracene

Concen: 3.851 ng m

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Instrument :

BNA_N

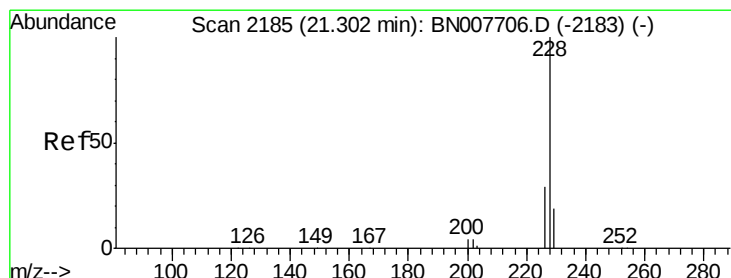
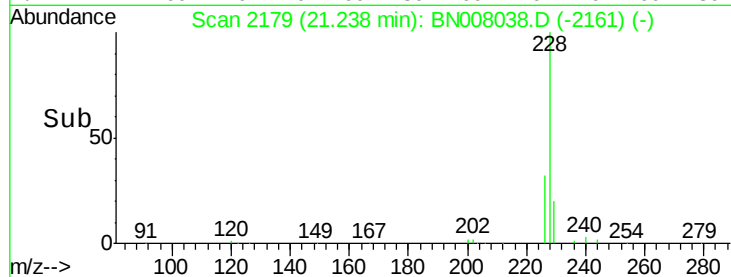
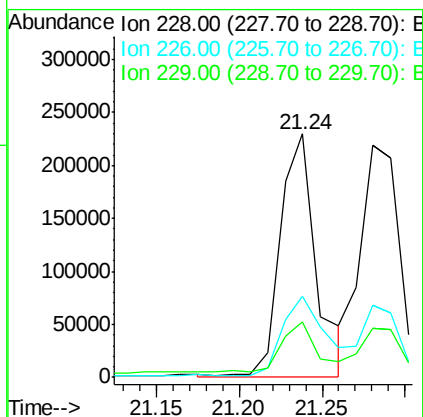
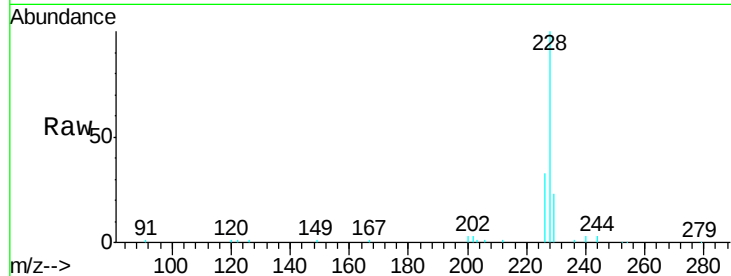
ClientSampleId :

PST-024-SW136-092619DL

Tgt Ion:	228	Resp:	351413
Ion Ratio	Lower	Upper	
228	100		
226	33.5	22.1	33.1#
229	22.9	15.8	23.6

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#31

Chrysene

Concen: 3.933 ng

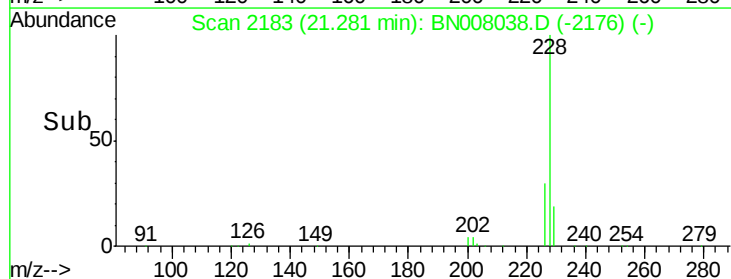
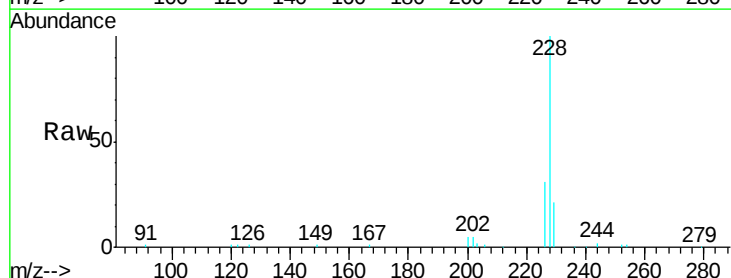
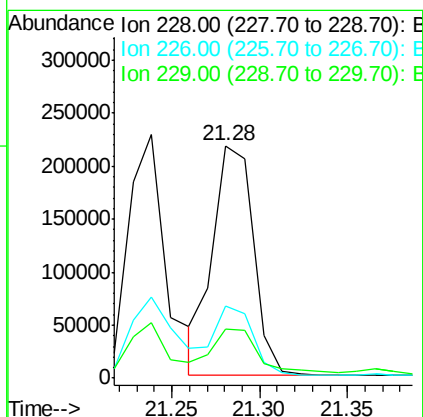
RT: 21.28 min Scan# 2183

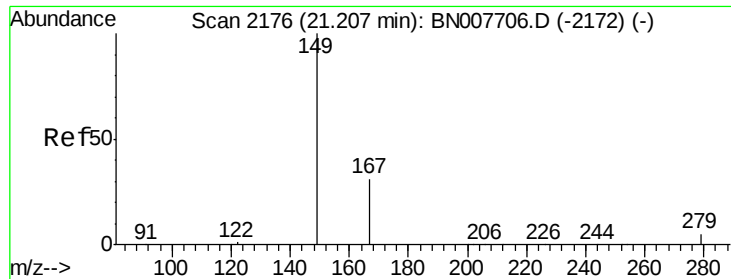
Delta R.T. -0.02 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Tgt Ion:	228	Resp:	349776
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.9	35.9
229	21.1	15.8	23.6





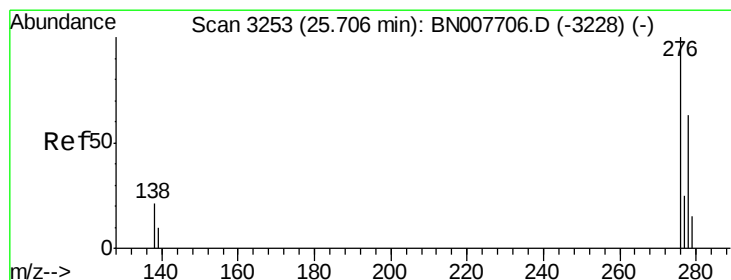
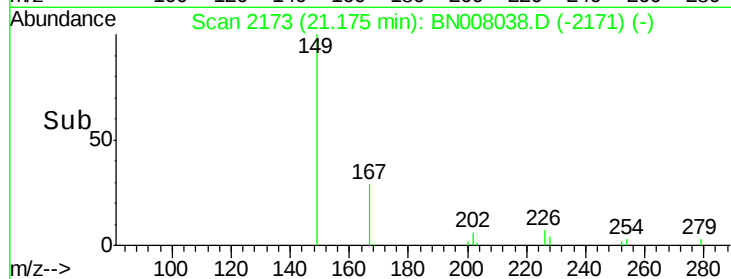
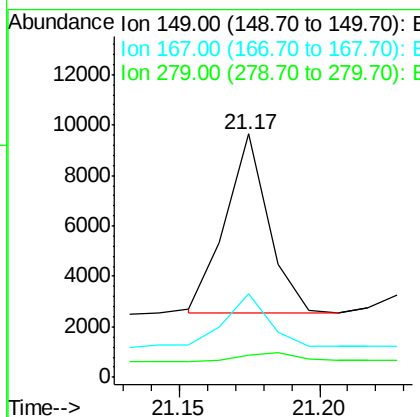
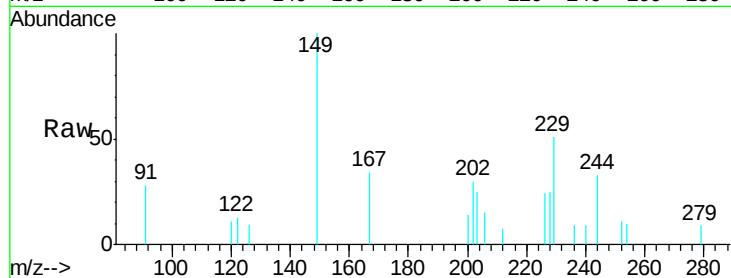
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.161 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.03 min
 Lab File: BN008038.D
 Acq: 05 Oct 2019 22:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW136-092619DL

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.7	35.5
279	5.5	4.2	6.2

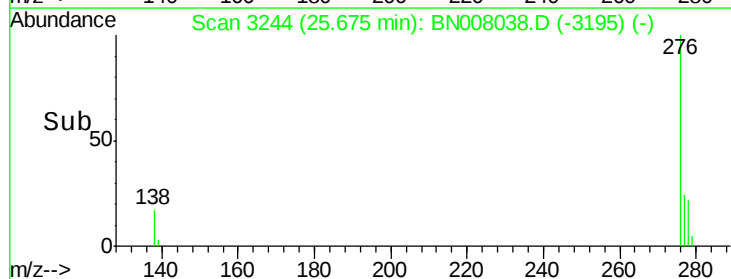
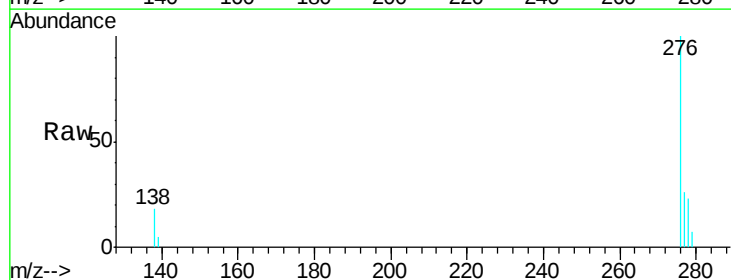
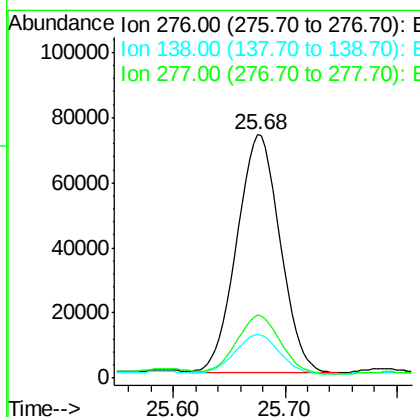
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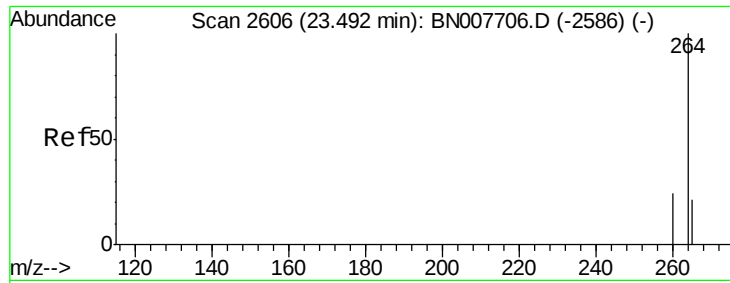
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.761 ng
 RT: 25.68 min Scan# 3244
 Delta R.T. -0.03 min
 Lab File: BN008038.D
 Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	17.1	25.7#
277	24.8	20.0	30.0





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2599

Delta R.T. -0.02 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Instrument :

BNA_N

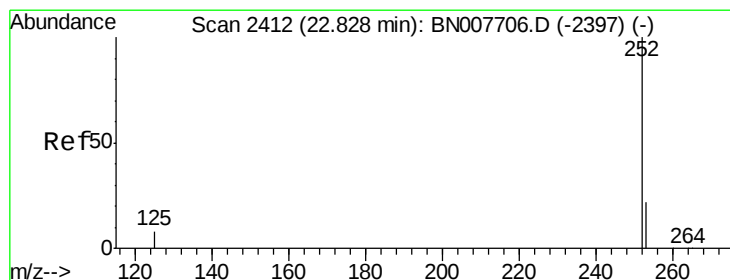
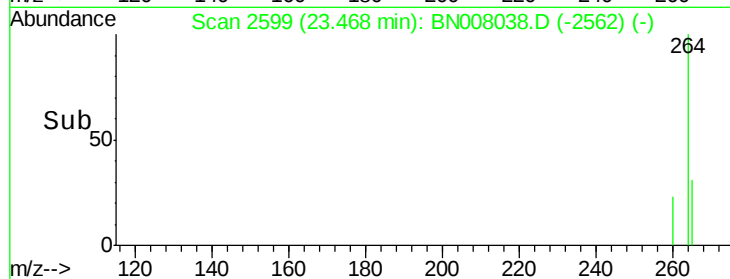
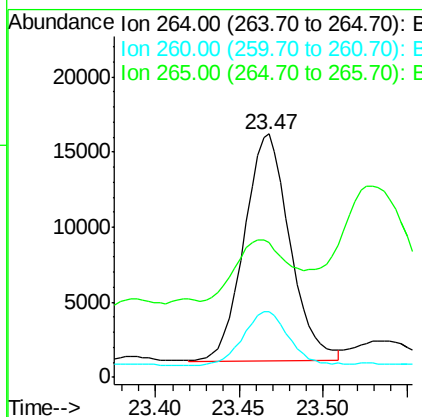
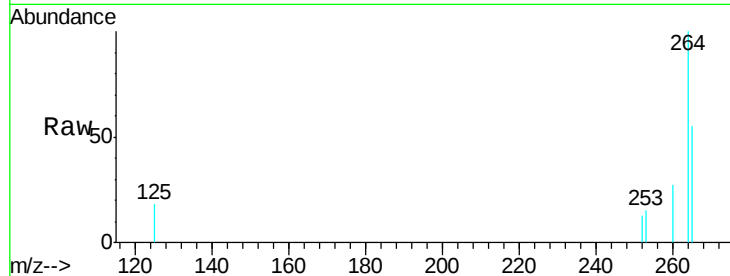
ClientSampleId :

PST-024-SW136-092619DL

Tgt Ion:	264	Resp:	28767
Ion Ratio	Lower	Upper	
264	100		
260	27.1	19.3	28.9
265	55.4	26.9	40.3#

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#35

Benzo(b)fluoranthene

Concen: 3.569 ng

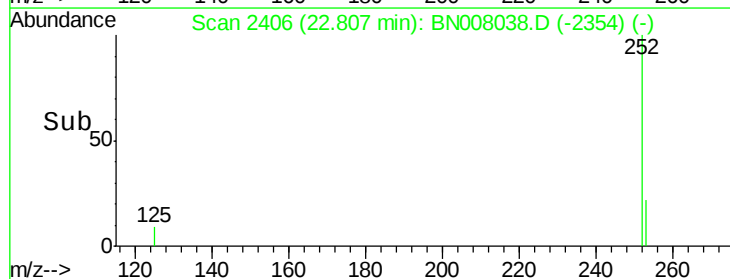
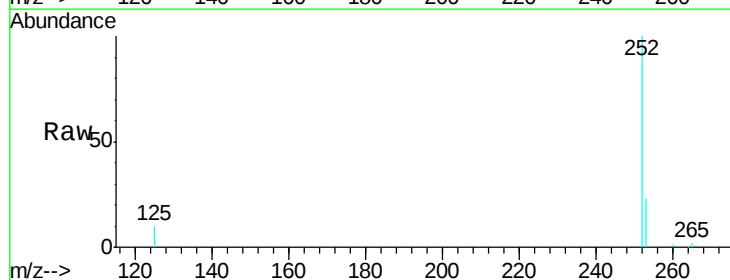
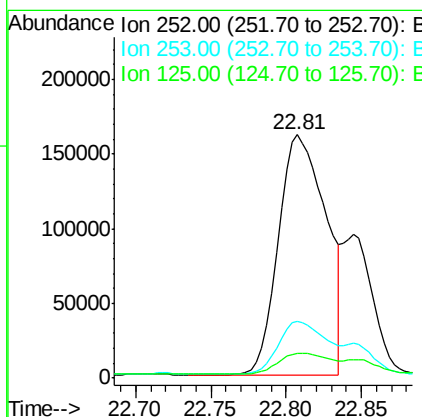
RT: 22.81 min Scan# 2406

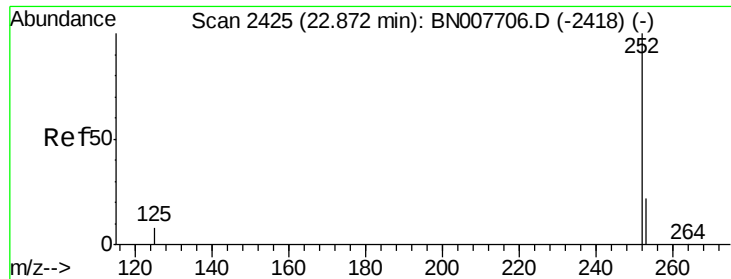
Delta R.T. -0.02 min

Lab File: BN008038.D

Acq: 05 Oct 2019 22:25

Tgt Ion:	252	Resp:	356464
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.3	27.5
125	10.2	8.2	12.4





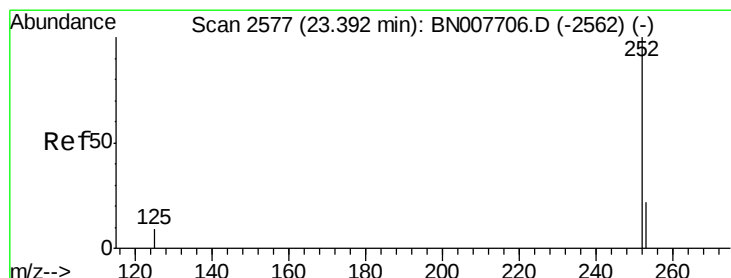
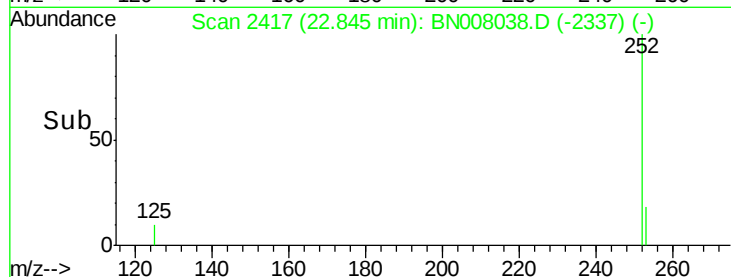
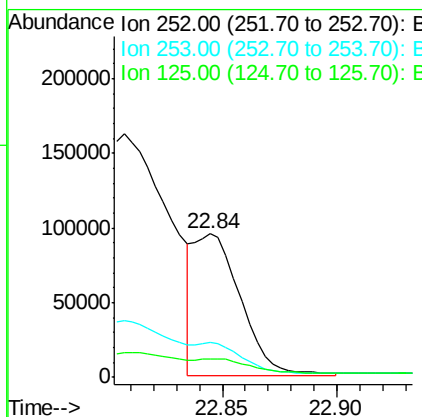
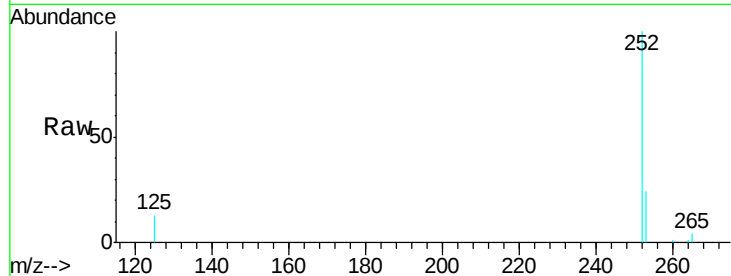
#36
Benzo(k)fluoranthene
Concen: 1.367 ng m
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW136-092619DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	13.1	8.4	12.6

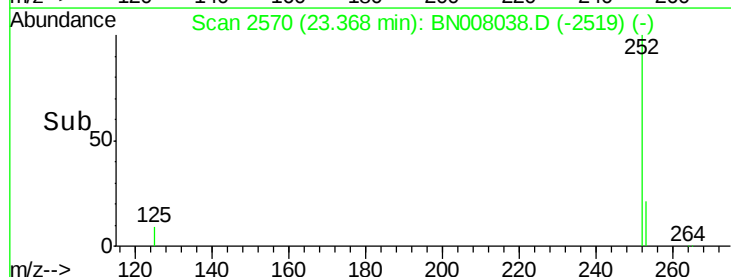
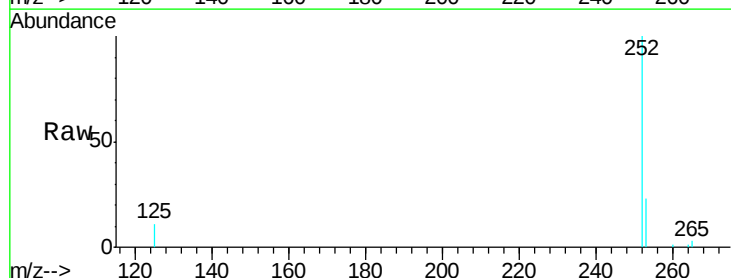
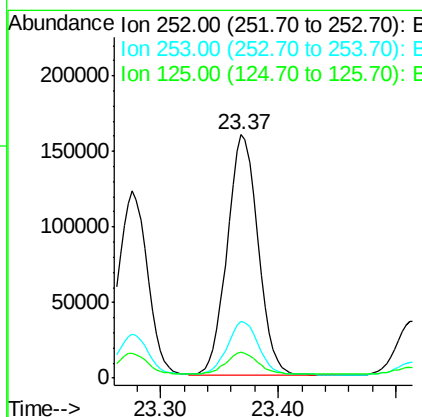
Manual Integrations
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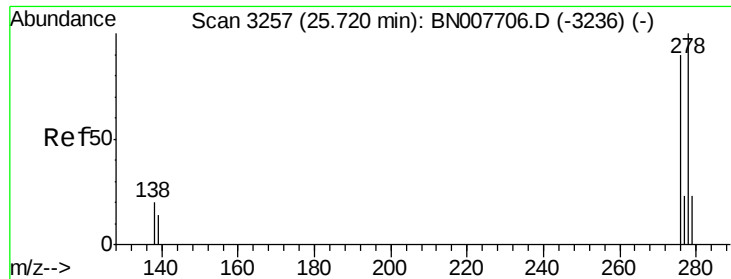
mohammad
10/7/2019 4:40:10 PM



#37
Benzo(a)pyrene
Concen: 3.079 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8
125	10.6	9.4	14.0





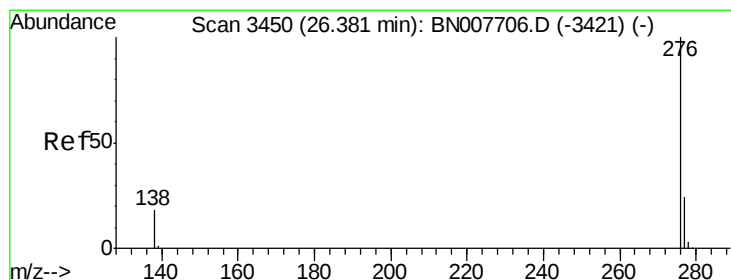
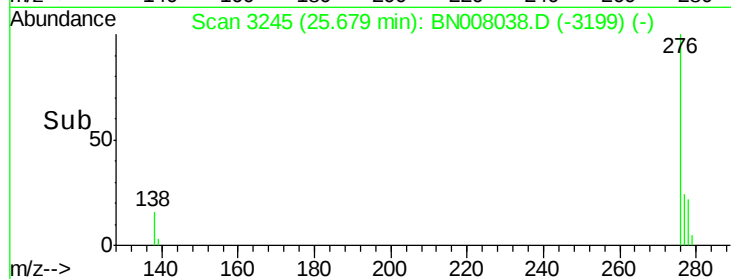
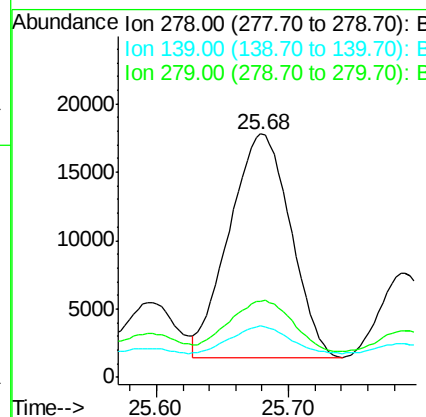
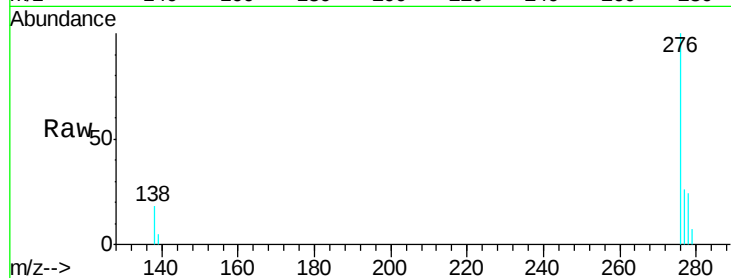
#38
Dibenzo(a,h)anthracene
Concen: 0.551 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.04 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Instrument :
BNA_N
ClientSampleId :
PST-024-SW136-092619DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	11.8	17.6#
279	31.3	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 4:40:10 PM



#39
Benzo(g,h,i)perylene
Concen: 2.237 ng
RT: 26.36 min Scan# 3443
Delta R.T. -0.02 min
Lab File: BN008038.D
Acq: 05 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	18.3	15.1	22.7

