

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
 Data File : BN009786.D
 Acq On : 19 Feb 2020 20:22
 Operator : CG/JU
 Sample : L1468-04 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TP10-EP2-3

Manual Integrations
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mohammad
 2/20/2020 4:29:02 PM

Quant Time: Feb 20 05:01:09 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Feb 19 15:57:43 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	1388	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5289	0.40	ng	-0.03
13) Acenaphthene-d10	14.05	164	3569	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	7055	0.40	ng	-0.01
27) Chrysene-d12	21.02	240	8002	0.40	ng	-0.02
34) Perylene-d12	23.13	264	8007	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.09	112	123	0.04	ng	0.00
5) Phenol-d6	6.66	99	126	0.03	ng	0.02
8) Nitrobenzene-d5	8.58	82	132	0.03	ng	-0.01
11) 2-Methylnaphthalene-d10	11.76	152	253	0.02	ng	-0.03
14) 2,4,6-Tribromophenol	15.56	330	43	0.03	ng	-0.02
15) 2-Fluorobiphenyl	12.66	172	467	0.03	ng	-0.02
25) Fluoranthene-d10	18.84	212	414m	0.02	ng	-0.02
29) Terphenyl-d14	19.46	244	969	0.05	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	461494	31.992	ng	# 93
12) 2-Methylnaphthalene	11.83	142	90374	9.138	ng	97
16) Acenaphthylene	13.76	152	119435	7.850	ng	98
17) Acenaphthene	14.10	154	81399	7.608	ng	99
18) Fluorene	15.10	166	157710	11.171	ng	98
23) Phenanthrene	16.85	178	878201	41.825	ng	99
24) Anthracene	16.93	178	225956	12.731	ng	99
26) Fluoranthene	18.87	202	806554	32.082	ng	99
28) Pyrene	19.24	202	791554	26.050	ng	98
30) Benzo(a)anthracene	21.00	228	421599	15.876	ng	94
31) Chrysene	21.06	228	332376	10.819	ng	97
33) Indeno(1,2,3-cd)pyrene	25.17	276	211922	6.624	ng	99
35) Benzo(b)fluoranthene	22.51	252	420929	14.380	ng	# 86
36) Benzo(k)fluoranthene	22.55	252	153960m	4.831	ng	
37) Benzo(a)pyrene	23.04	252	373467	13.983	ng	# 80
38) Dibenzo(a,h)anthracene	25.17	278	56191	2.137	ng	98
39) Benzo(a,h,i)perylene	25.79	276	212978	7.602	ng	96

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

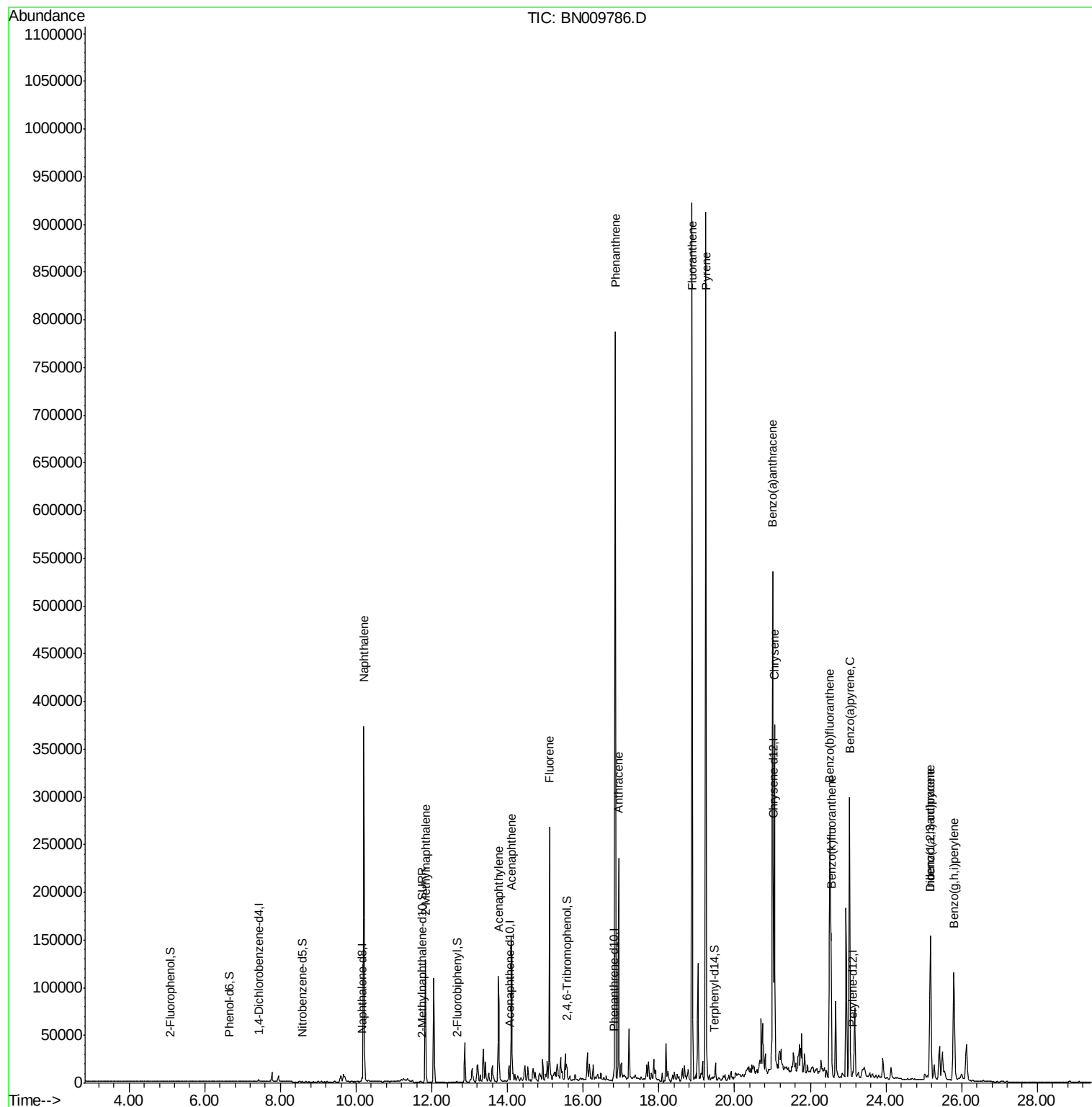
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
Data File : BN009786.D
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ALS Vial : 16 Sample Multiplier: 1

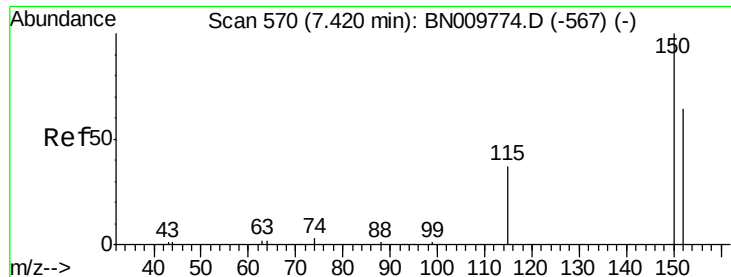
Instrument :
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TP10-EP2-3

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#1

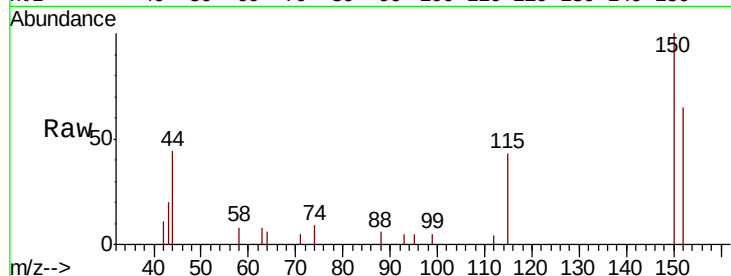
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 570
Delta R.T. -0.00 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	120.6	181.0
115	65.1	51.2	76.8

Manual Integrations
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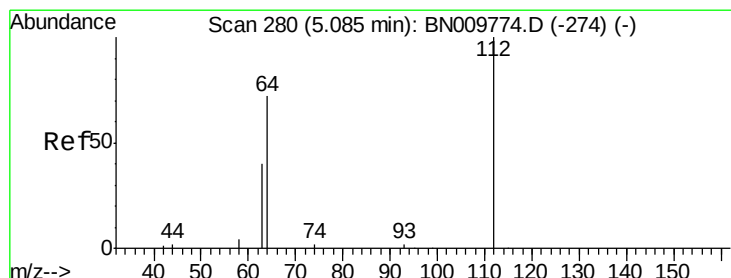
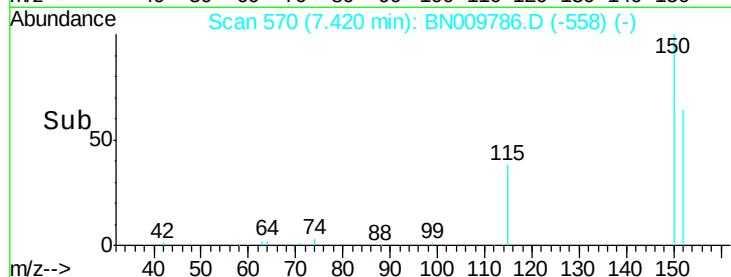
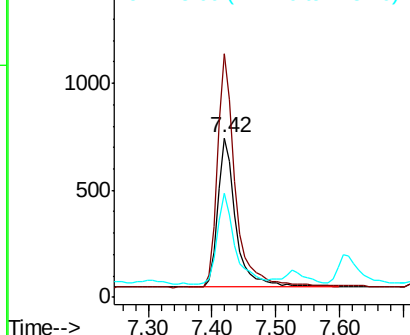


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

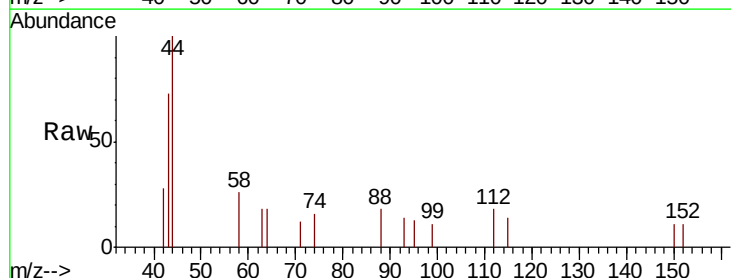
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.040 ng
RT: 5.09 min Scan# 281
Delta R.T. 0.01 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	65.8	98.6#
63	0.0	38.7	58.1#

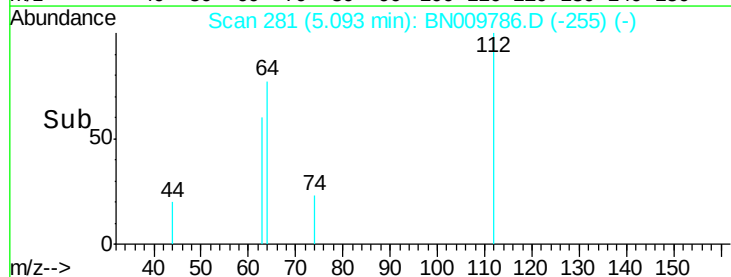
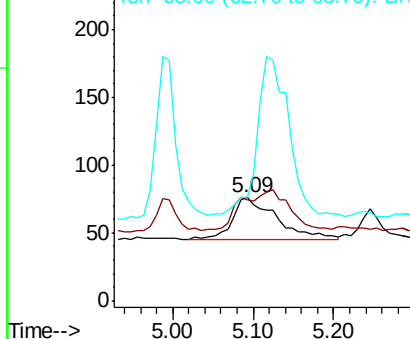


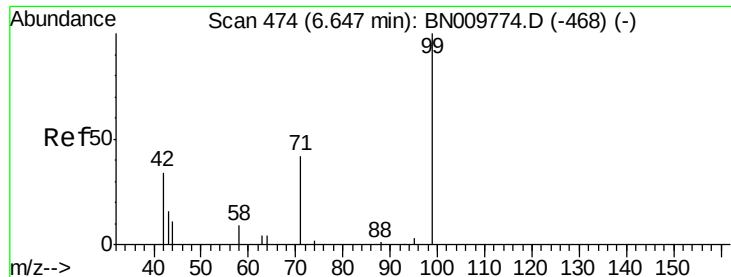
Abundance

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: 0.034 ng

RT: 6.66 min Scan# 476

Delta R.T. 0.02 min

Lab File: BN009786.D

Acq: 19 Feb 2020 20:22

Instrument :

BNA_N

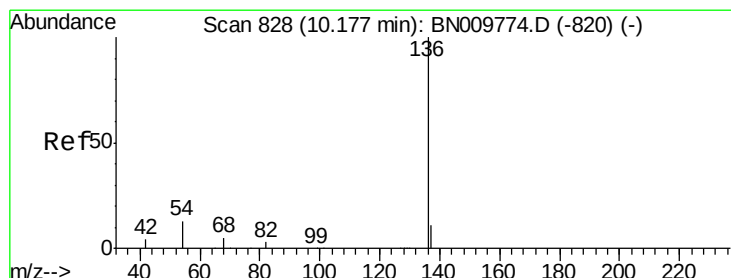
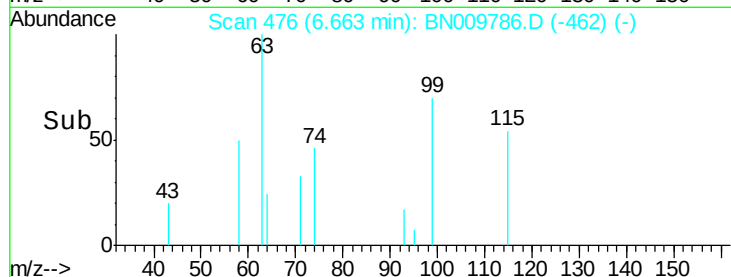
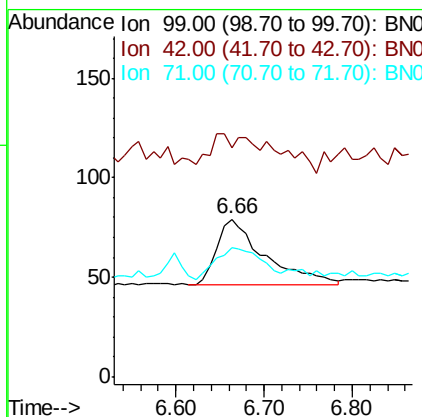
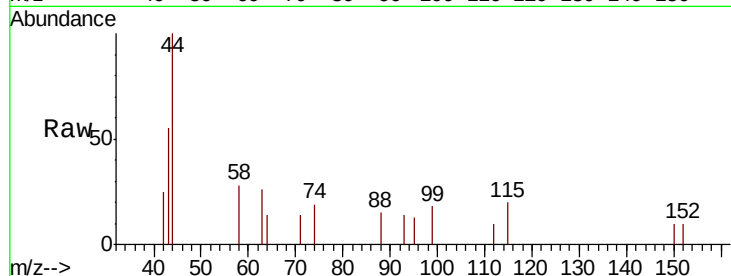
ClientSampleId :

TP10-EP2-3

Tot Ion:	99	Resp:	126
Ion	Ratio	Lower	Upper
99	100		
42	18.3	30.8	46.2#
71	44.4	34.9	52.3

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#7

Naphthalene-d8

Concen: 0.400 ng

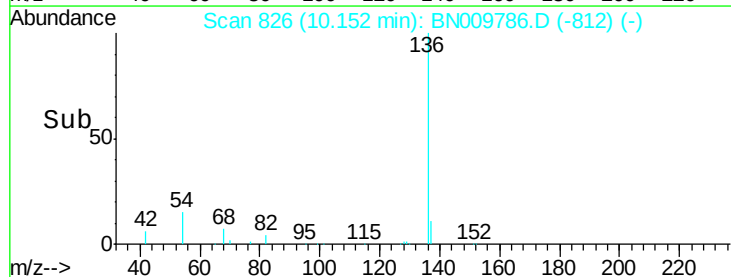
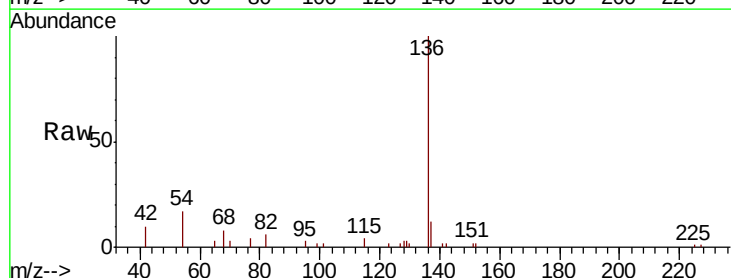
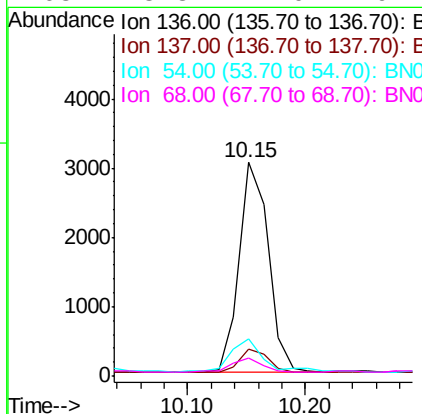
RT: 10.15 min Scan# 826

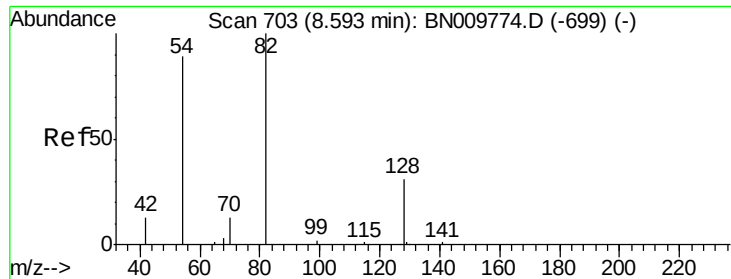
Delta R.T. -0.03 min

Lab File: BN009786.D

Acq: 19 Feb 2020 20:22

Tgt Ion:	136	Resp:	5289
Ion	Ratio	Lower	Upper
136	100		
137	12.5	11.3	16.9
54	17.1	13.4	20.2
68	8.3	7.0	10.4





#8

Nitrobenzene-d5

Concen: 0.030 ng

RT: 8.58 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN009786.D

Acq: 19 Feb 2020 20:22

Instrument :

BNA_N

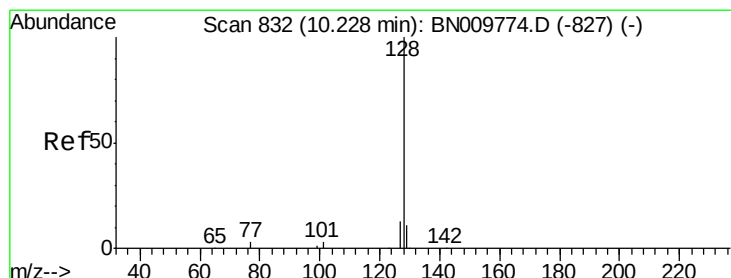
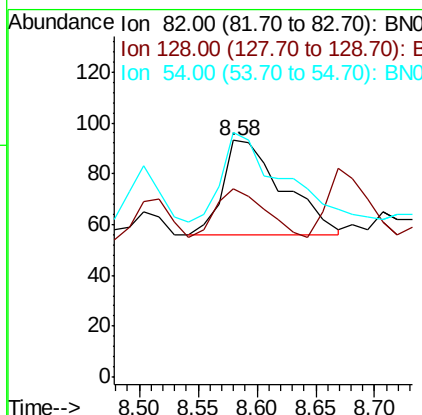
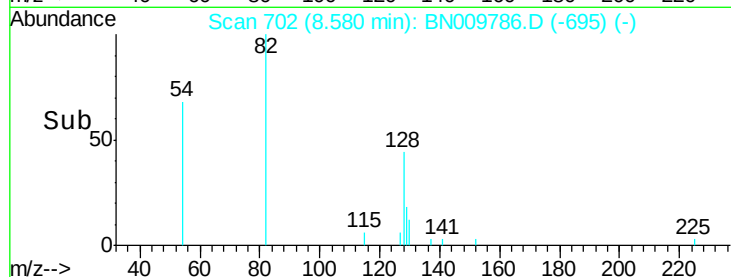
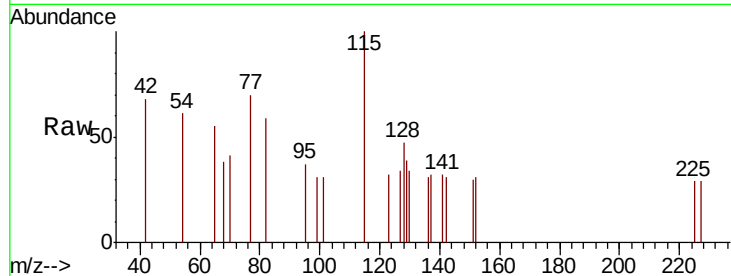
ClientSampleId :

TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	79.6	32.5	48.7#
54	103.2	73.5	110.3

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#9

Naphthalene

Concen: 31.992 ng

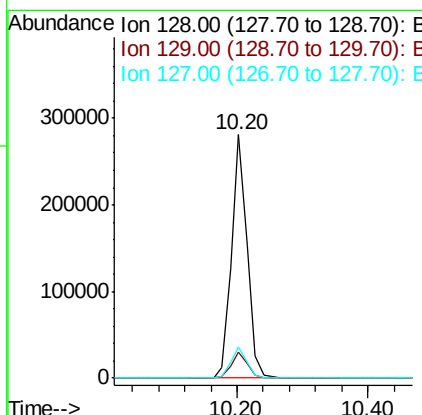
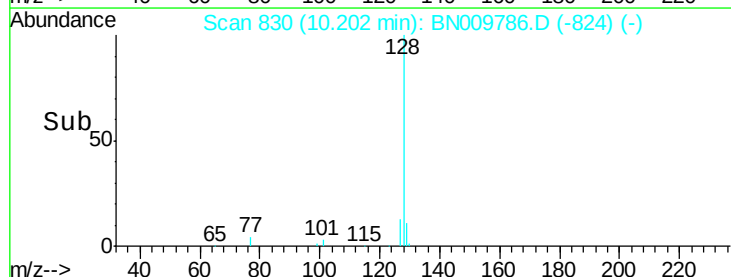
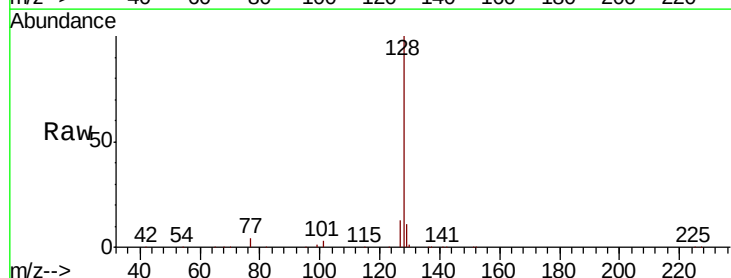
RT: 10.20 min Scan# 830

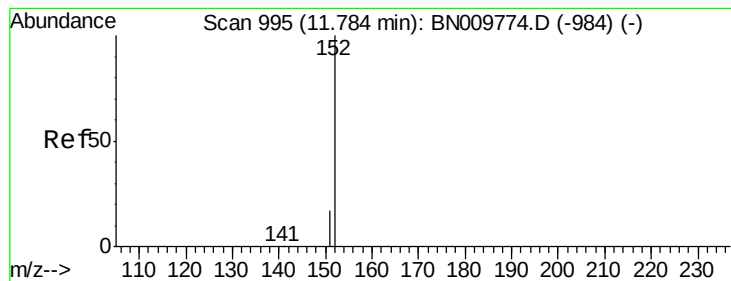
Delta R.T. -0.03 min

Lab File: BN009786.D

Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	11.1	16.7#
127	13.0	12.6	19.0





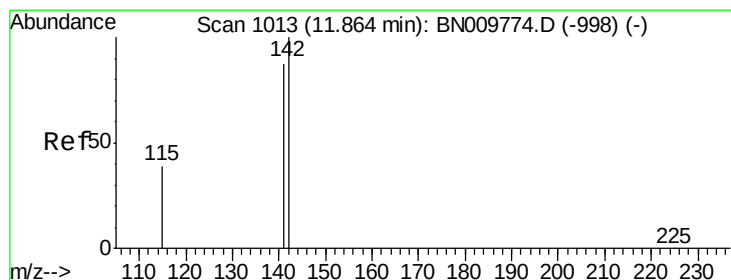
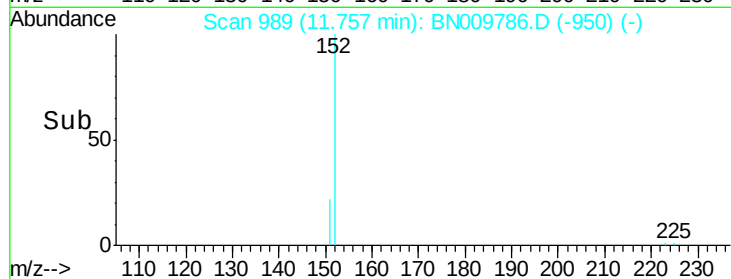
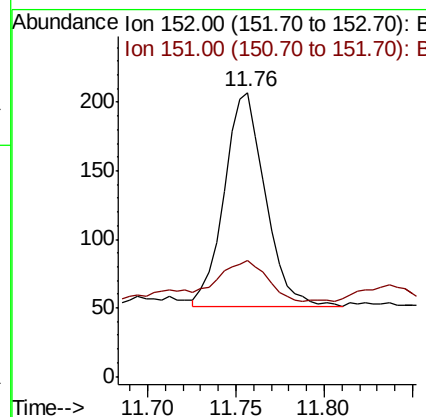
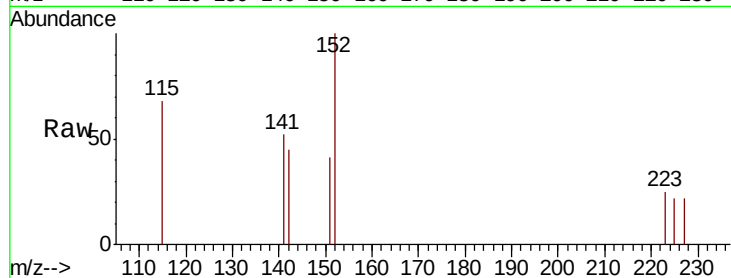
#11
2-Methylnaphthalene-d10
Concen: 0.025 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.03 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion:152 Resp: 253
Ion Ratio Lower Upper
152 100
151 26.5 15.1 22.7#

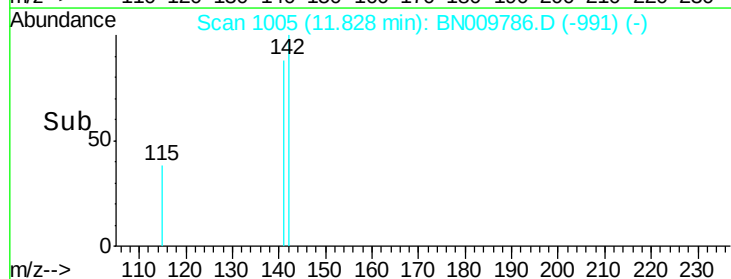
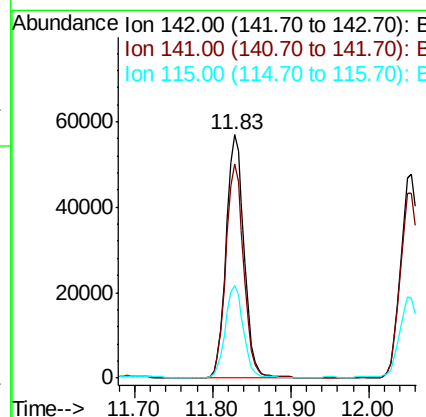
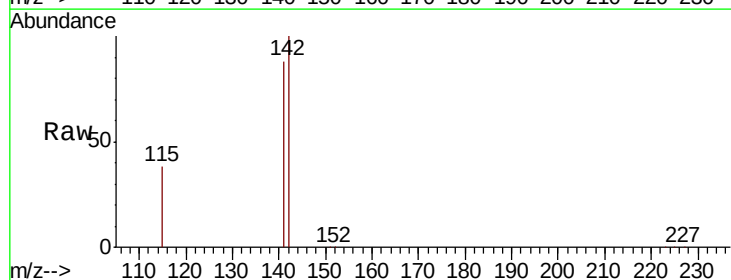
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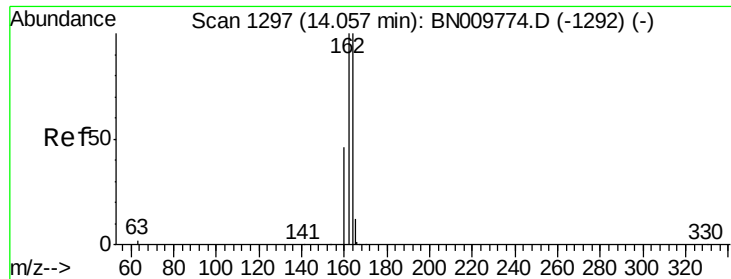
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#12
2-Methylnaphthalene
Concen: 9.138 ng
RT: 11.83 min Scan# 1005
Delta R.T. -0.04 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion:142 Resp: 90374
Ion Ratio Lower Upper
142 100
141 87.8 69.8 104.6
115 38.3 34.6 52.0





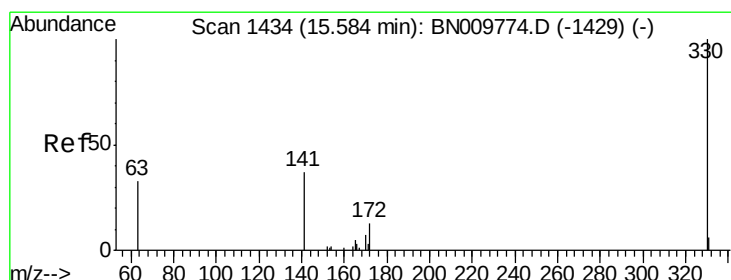
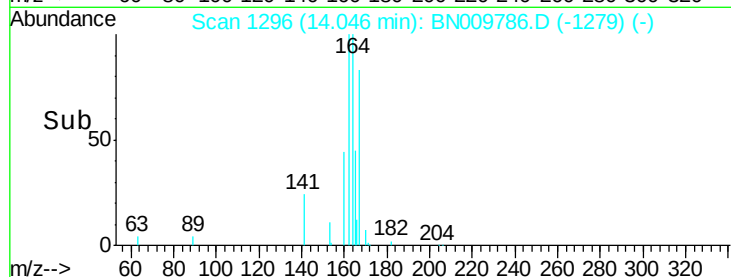
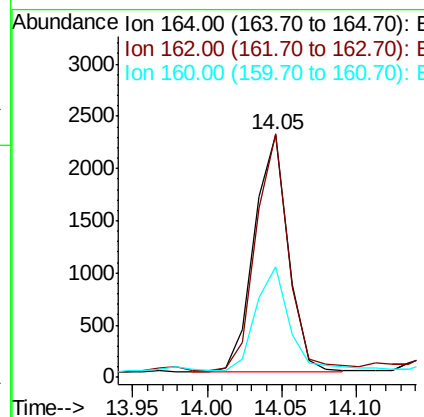
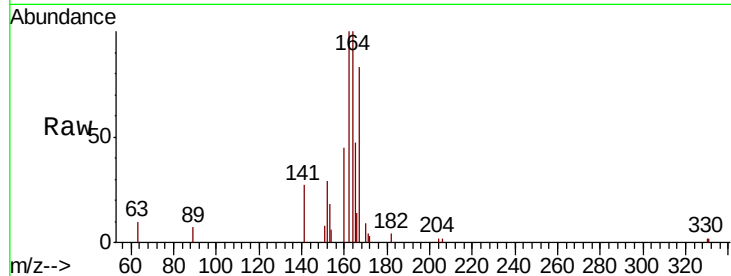
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion:	164	Resp:	3569
Ion Ratio	Lower	Upper	
164	100		
162	100.5	79.9	119.9
160	45.6	38.2	57.2

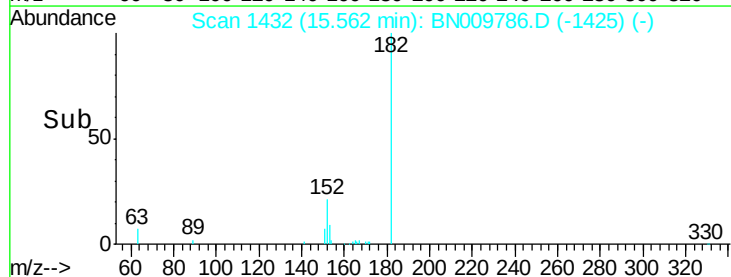
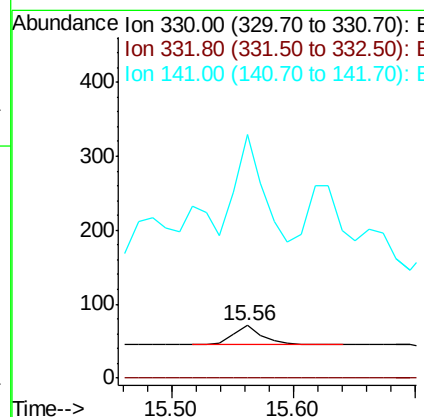
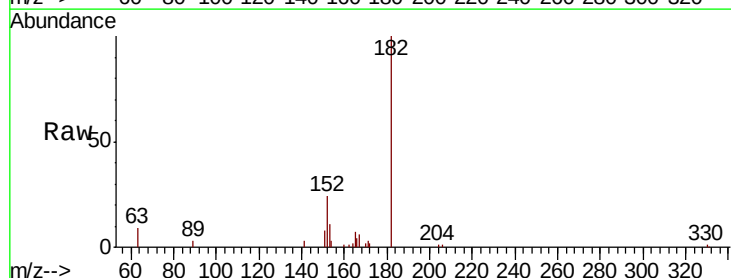
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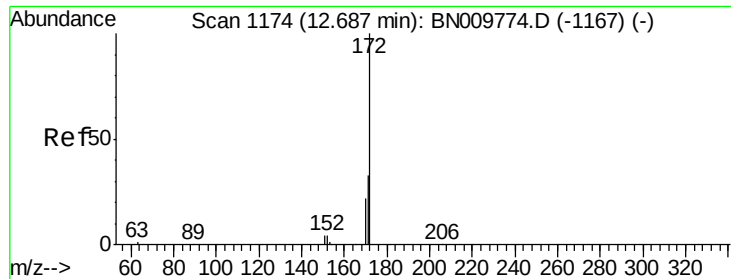
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#14
2,4,6-Tribromophenol
Concen: 0.031 ng
RT: 15.56 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion:	330	Resp:	43
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	714.0	36.8	55.2#





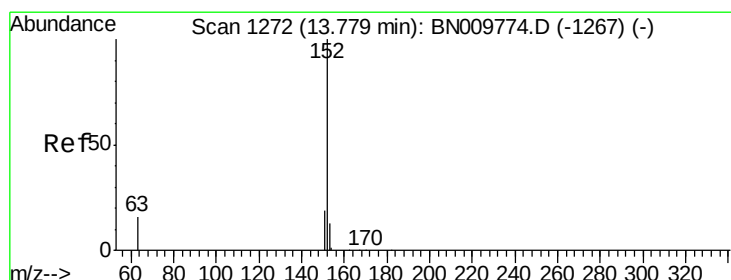
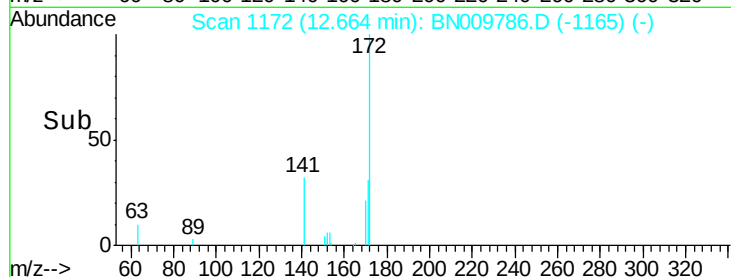
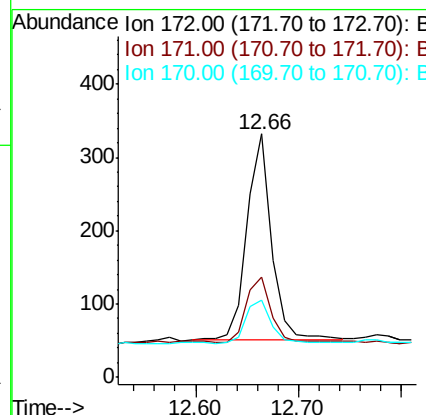
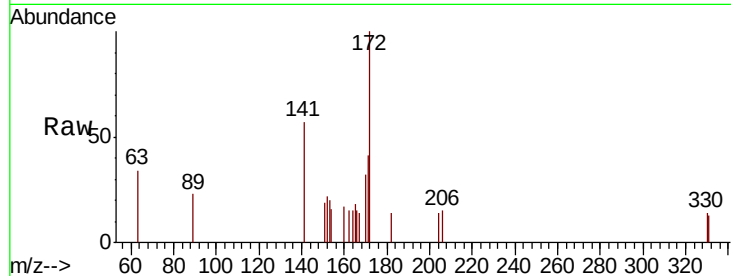
#15
2-Fluorobiphenyl
Concen: 0.035 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	41.0	28.7	43.1
170	31.9	20.1	30.1

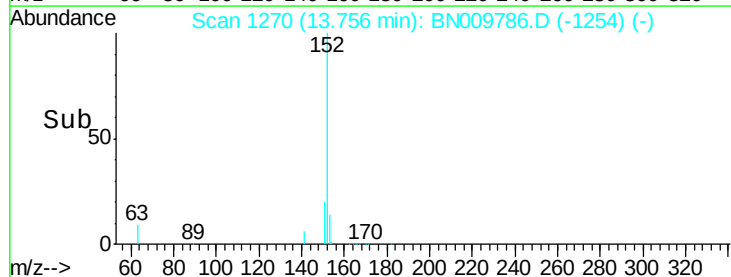
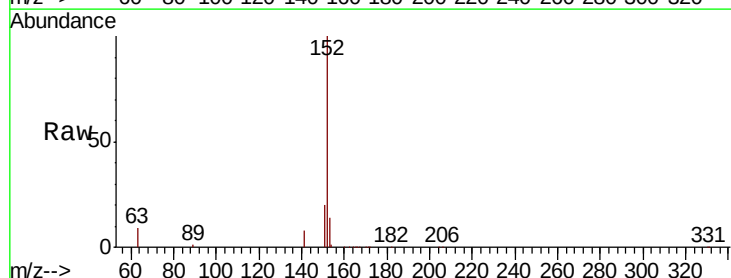
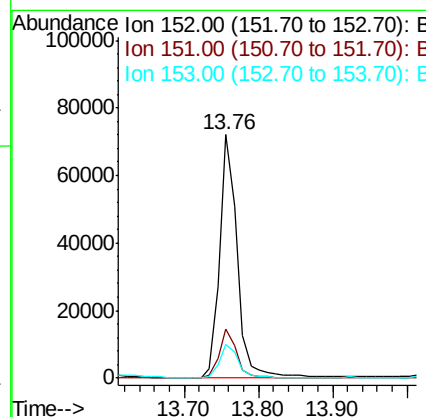
Manual Integrations
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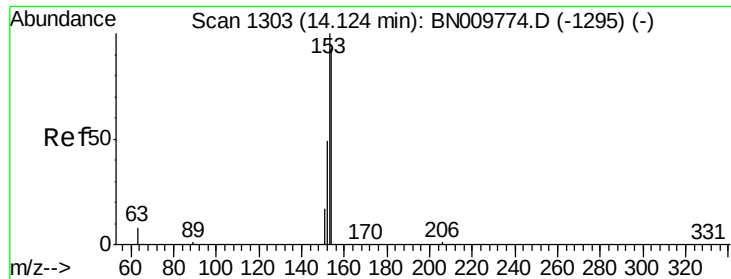
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#16
Acenaphthylene
Concen: 7.850 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	14.5	10.2	15.4





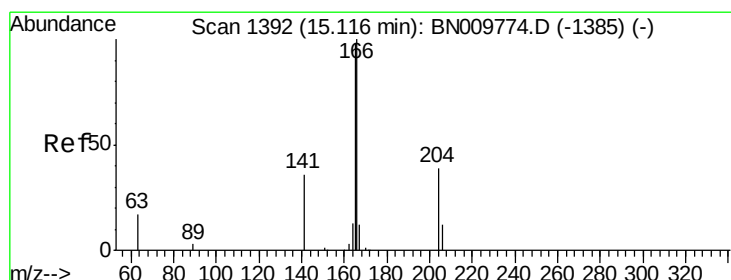
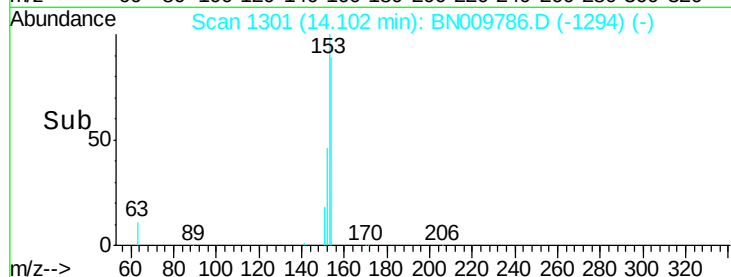
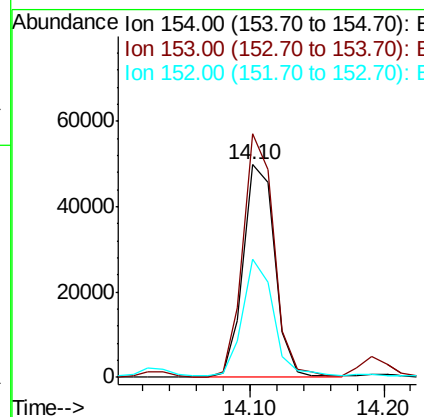
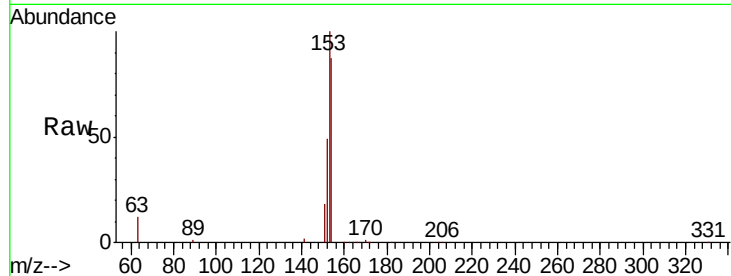
#17
Acenaphthene
Concen: 7.608 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.4	88.9	133.3
152	54.0	44.2	66.2

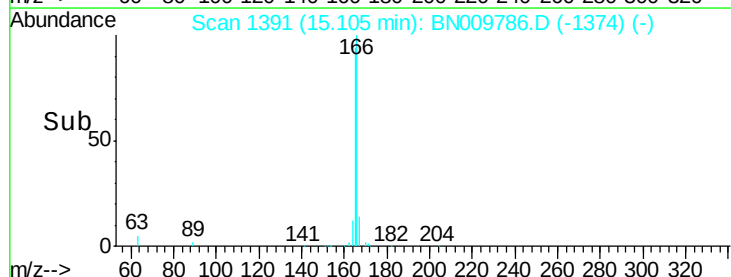
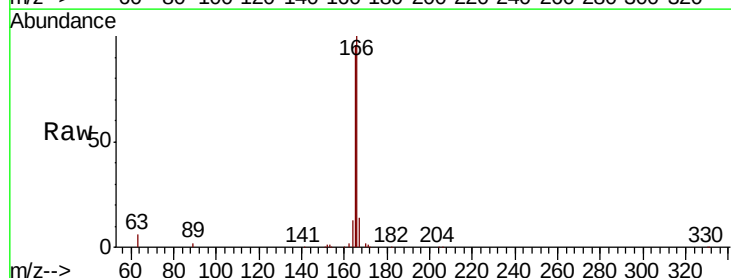
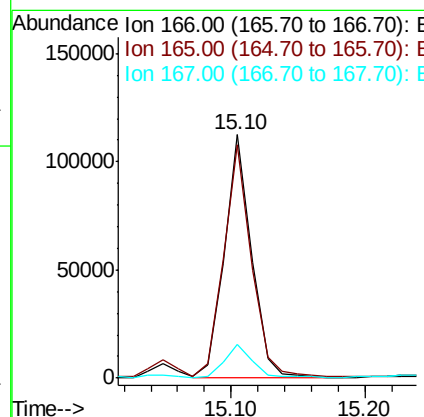
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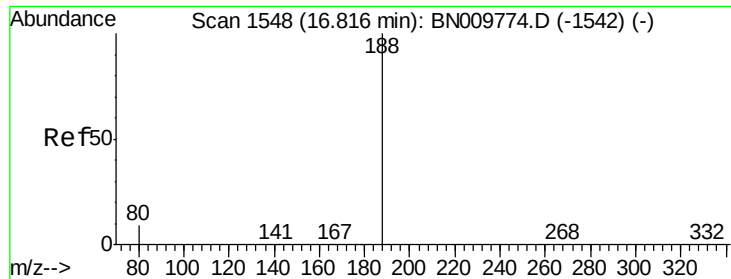
mohammad
2/20/2020 4:29:02 PM



#18
Fluorene
Concen: 11.171 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.2	115.8
167	14.6	10.5	15.7





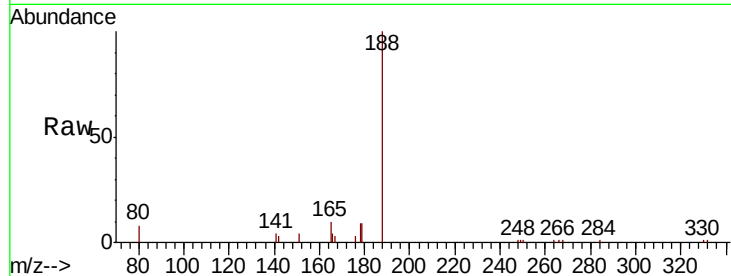
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

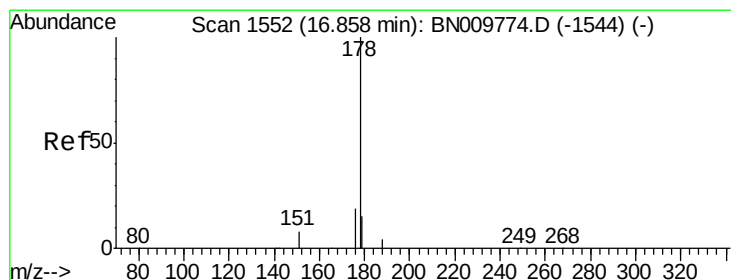
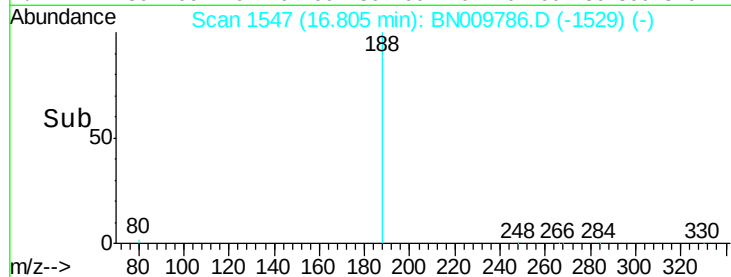
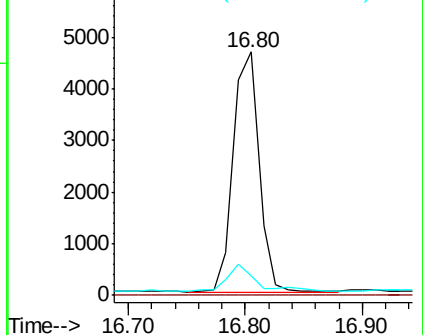
Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	8.1	8.3	12.5#

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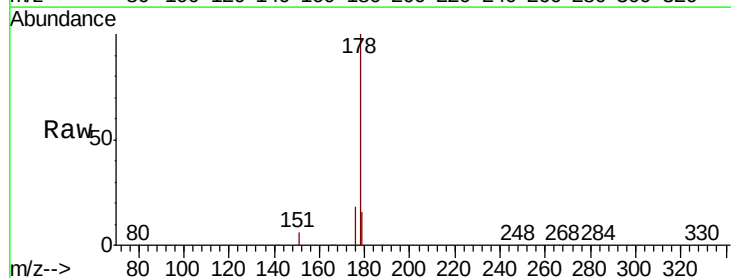


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

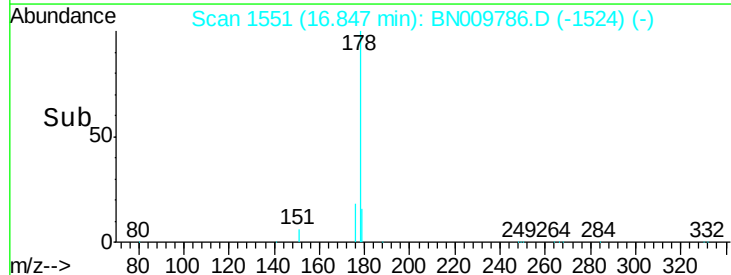
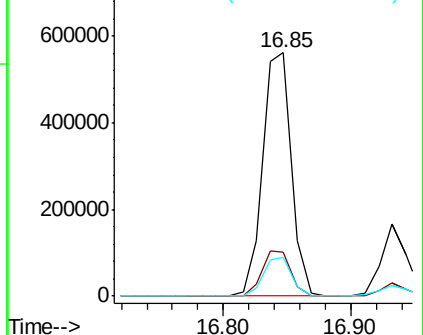


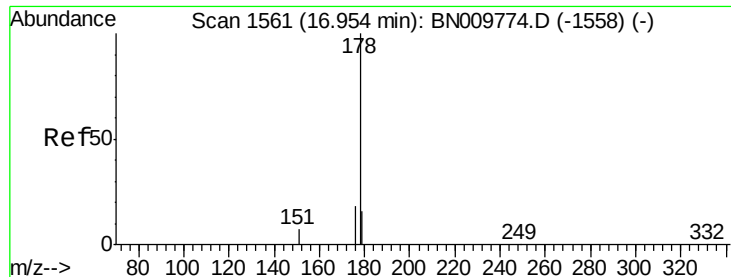
#23
Phenanthrene
Concen: 41.825 ng
RT: 16.85 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.5	15.3	22.9
179	15.6	12.4	18.6



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: 12.731 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BN009786.D

Acq: 19 Feb 2020 20:22

Instrument :

BNA_N

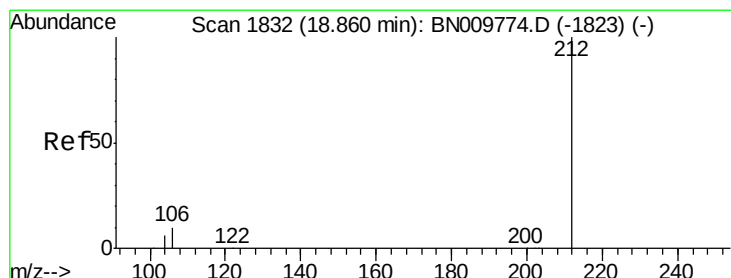
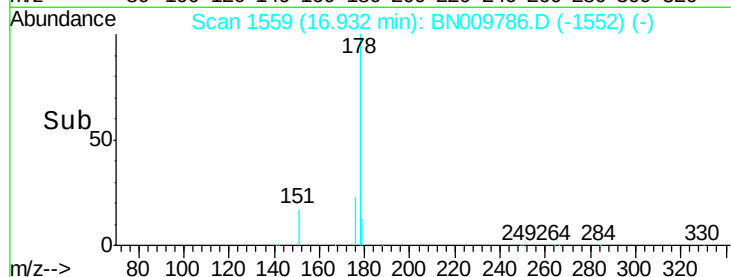
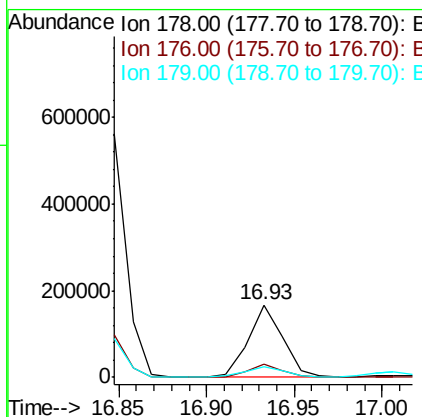
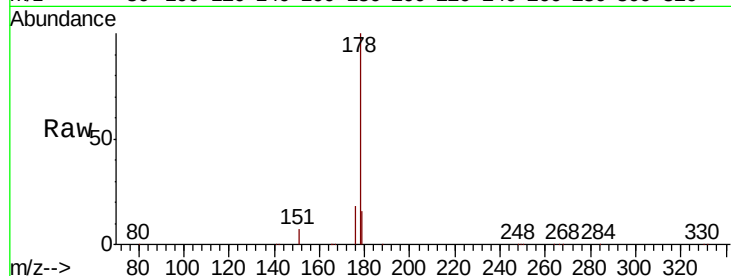
ClientSampleId :

TP10-EP2-3

Tot Ion:	178	Resp:	225956
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.3	21.5
179	16.4	12.4	18.6

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.017 ng m

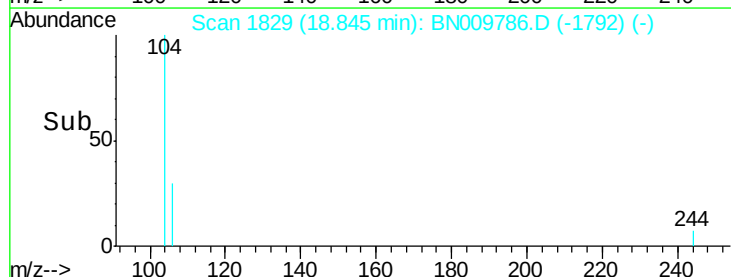
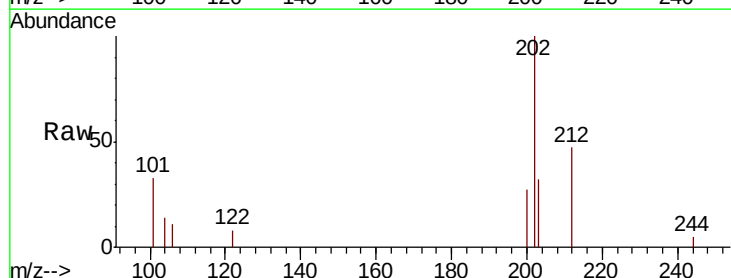
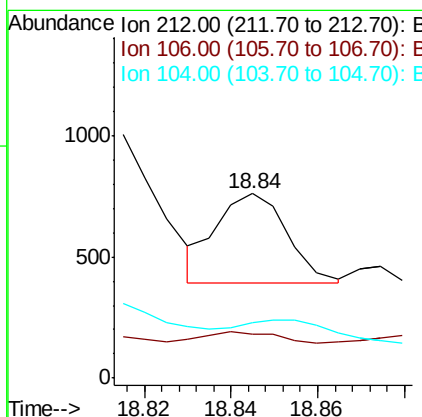
RT: 18.84 min Scan# 1829

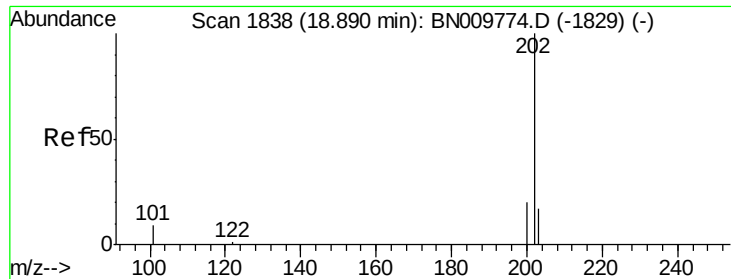
Delta R.T. -0.02 min

Lab File: BN009786.D

Acq: 19 Feb 2020 20:22

Tgt Ion:	212	Resp:	414
Ion Ratio	Lower	Upper	
212	100		
106	19.3	8.4	12.6#
104	44.0	4.8	7.2#





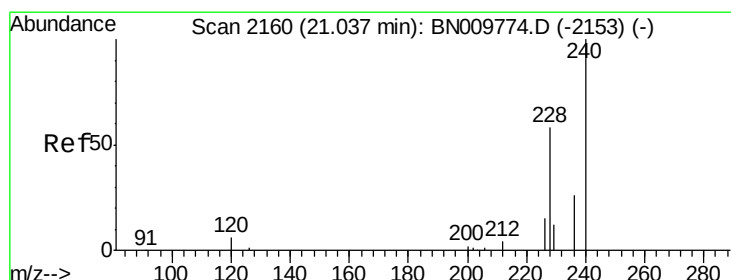
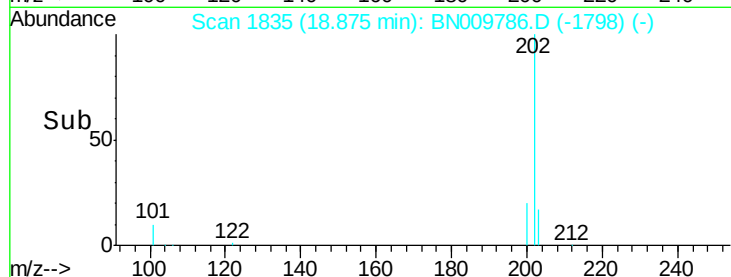
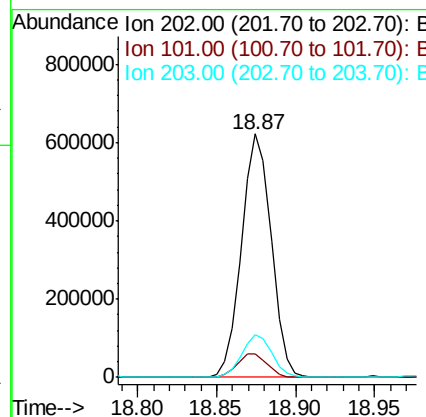
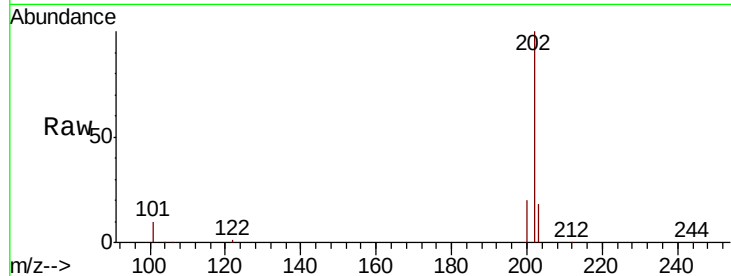
#26
Fluoranthene
Concen: 32.082 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.1	10.7
203	17.5	13.8	20.6

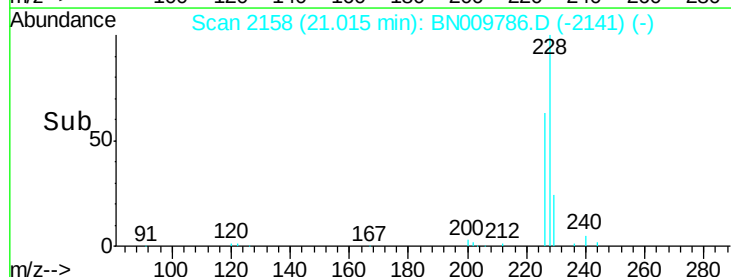
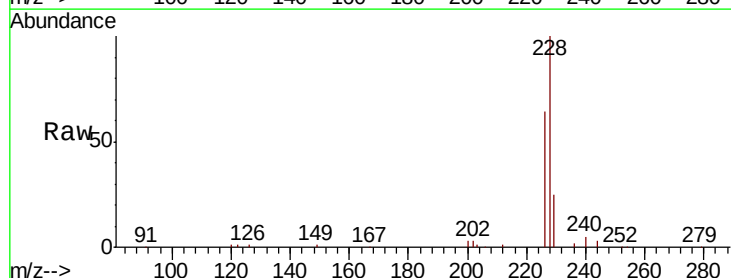
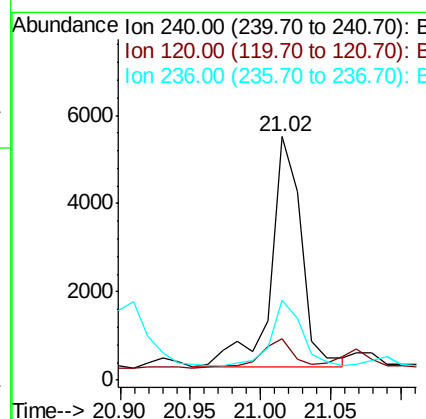
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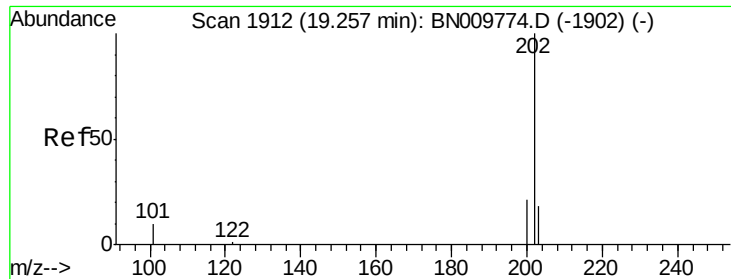
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.2	7.9	11.9#
236	33.0	22.0	33.0





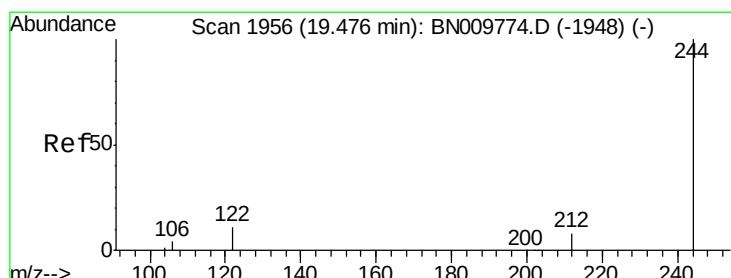
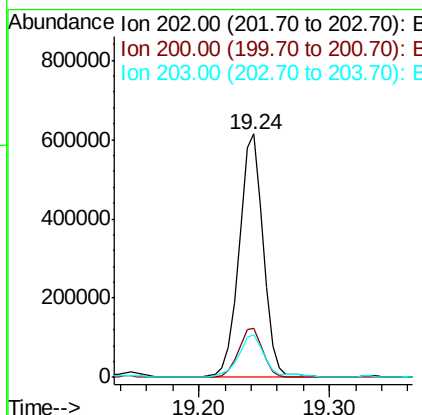
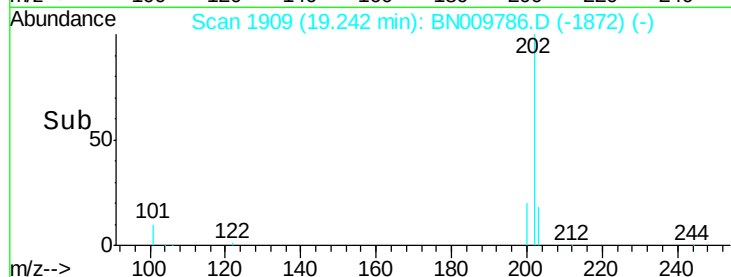
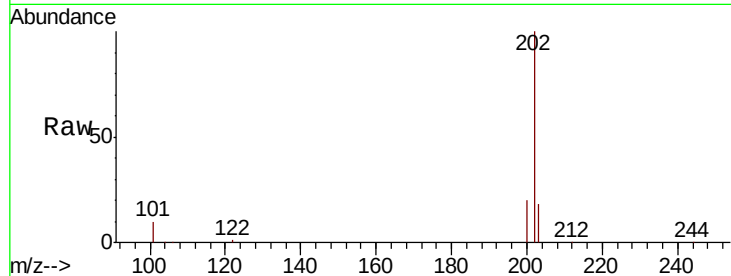
#28
Pvrene
Concen: 26.050 ng
RT: 19.24 min Scan# 1909
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion	Ratio	Resp	Lower	Upper
202	100	791554		
200	20.4		16.4	24.6
203	19.3		13.9	20.9

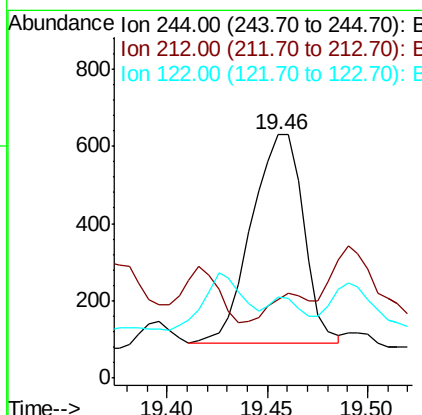
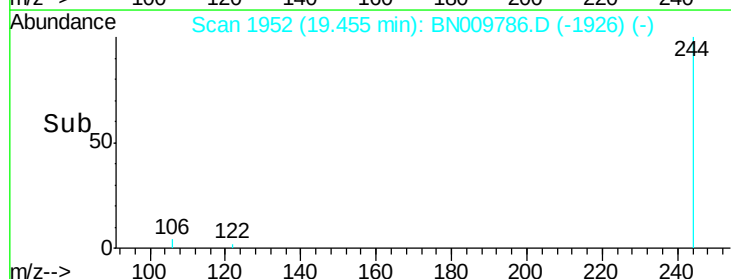
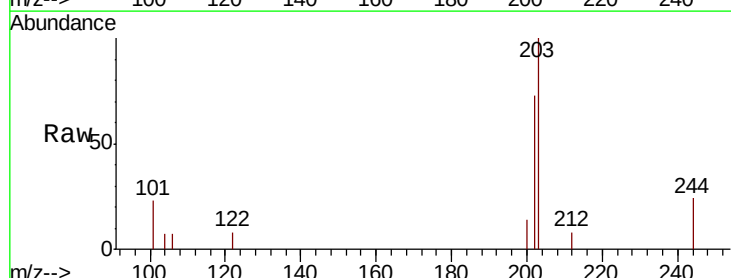
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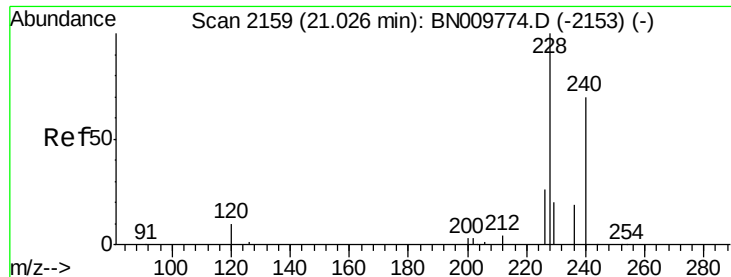
mohammad
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#29
Terphenyl-d14
Concen: 0.051 ng
RT: 19.46 min Scan# 1952
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	969		
212	32.1		8.0	12.0#
122	33.3		10.0	15.0#





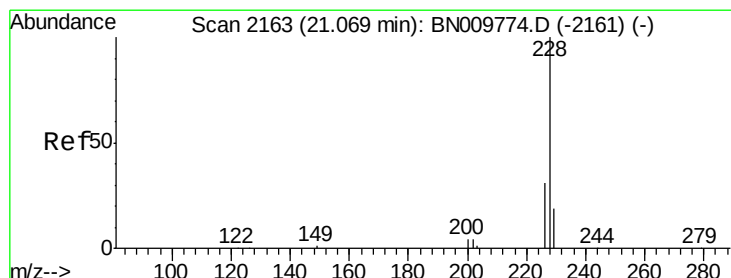
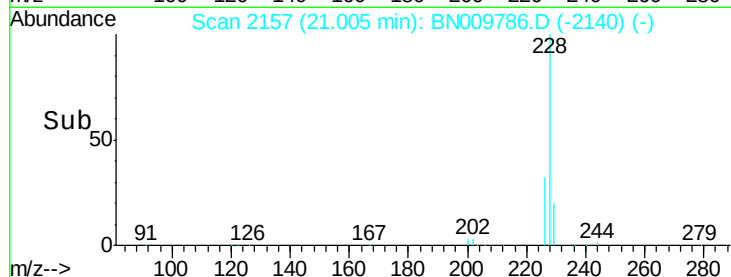
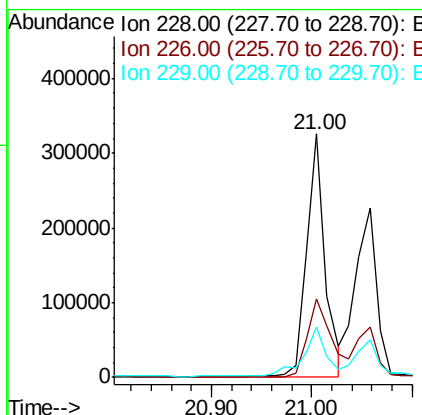
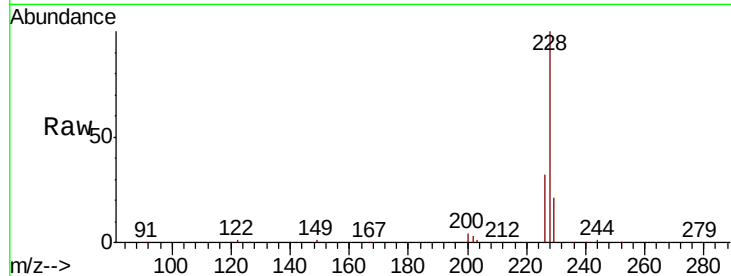
#30
Benzo(a)anthracene
Concen: 15.876 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	21.8	32.8
229	20.7	17.1	25.7

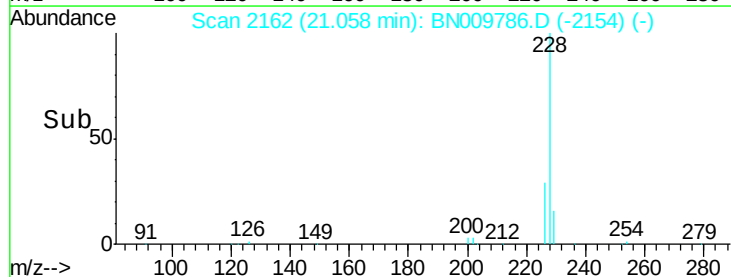
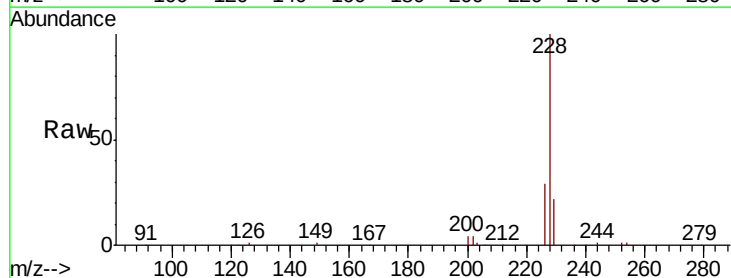
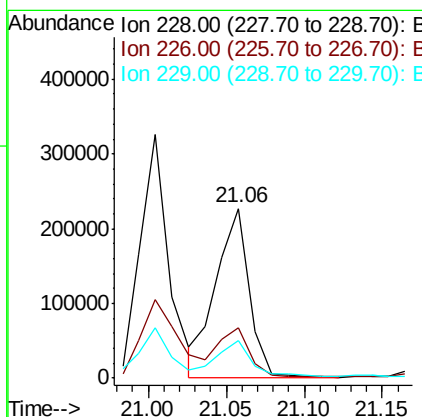
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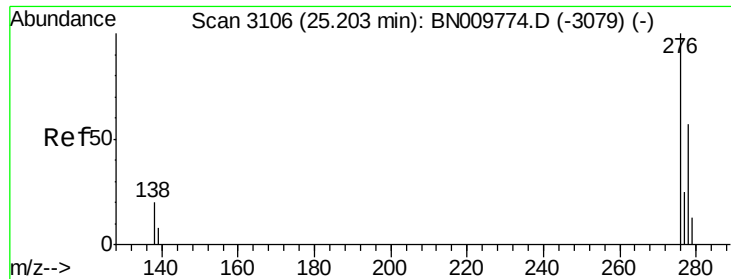
mohammad
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#31
Chrysene
Concen: 10.819 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.8	37.2
229	22.1	16.4	24.6





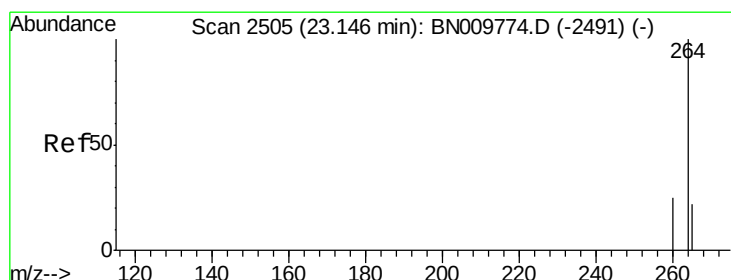
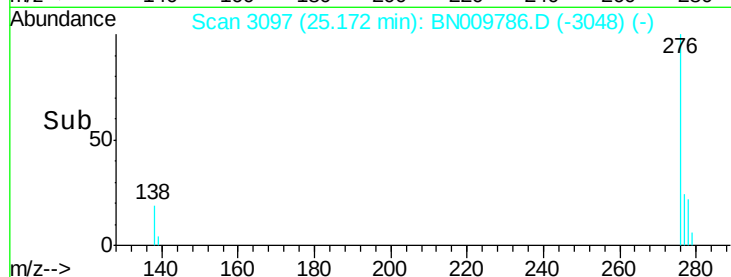
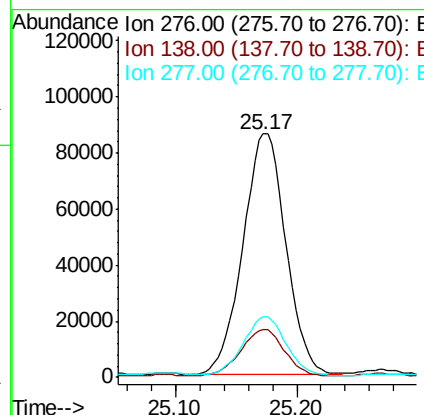
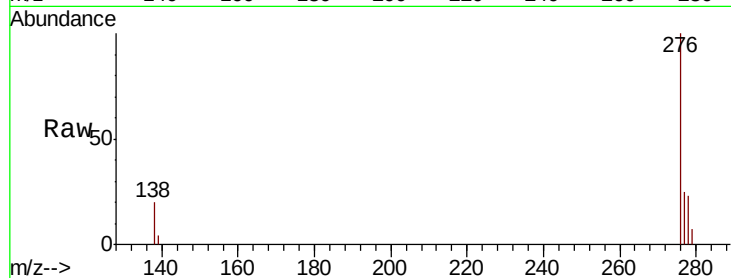
#33
Indeno(1,2,3-cd)pyrene
Concen: 6.624 ng
RT: 25.17 min Scan# 3097
Delta R.T. -0.03 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampleId :
TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	15.8	23.6
277	24.5	19.3	28.9

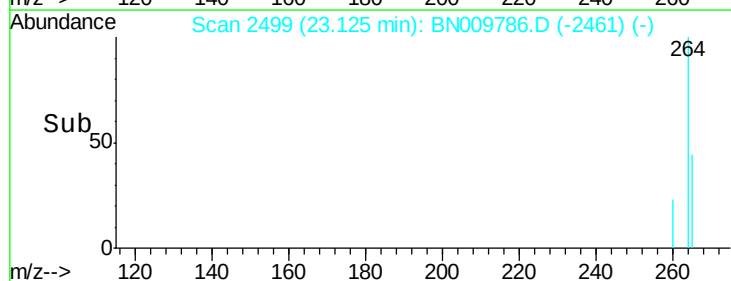
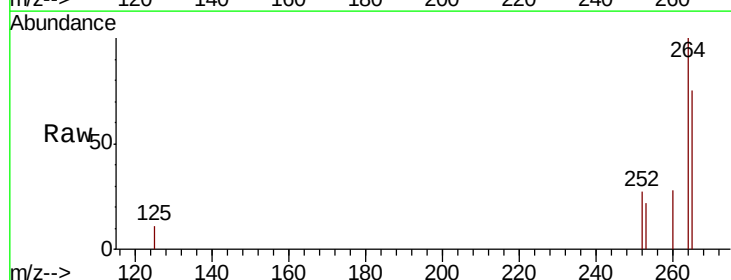
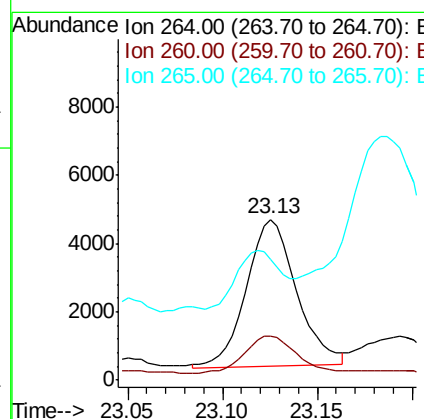
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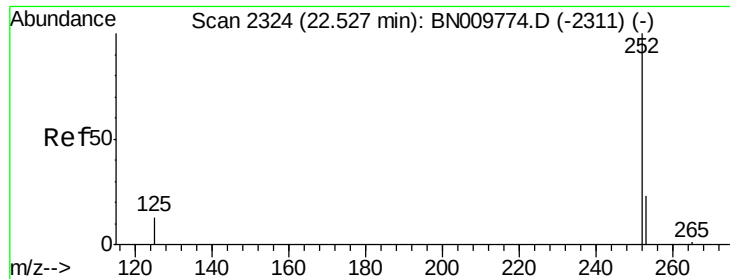
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2499
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.1	31.7
265	75.4	57.5	86.3





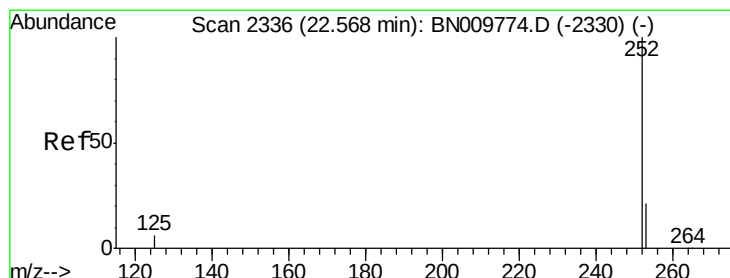
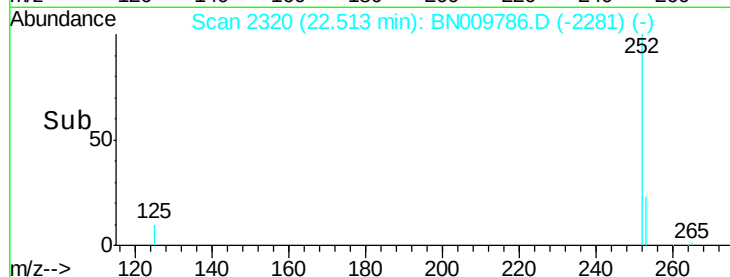
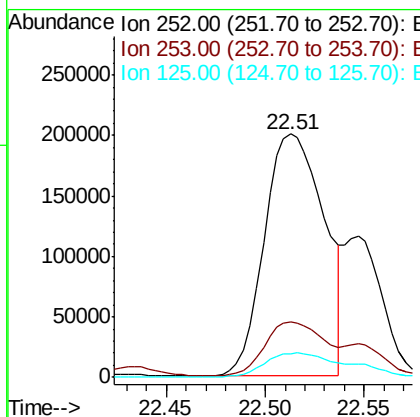
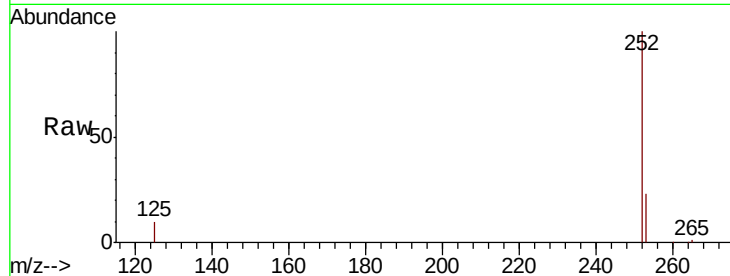
#35
Benzo(b)fluoranthene
Concen: 14.380 ng
RT: 22.51 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampled :
TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	23.0	34.6#
125	9.8	14.4	21.6#

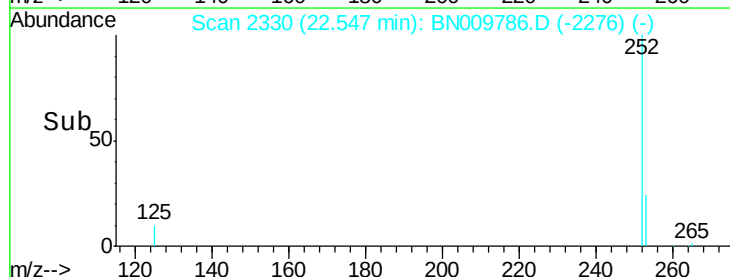
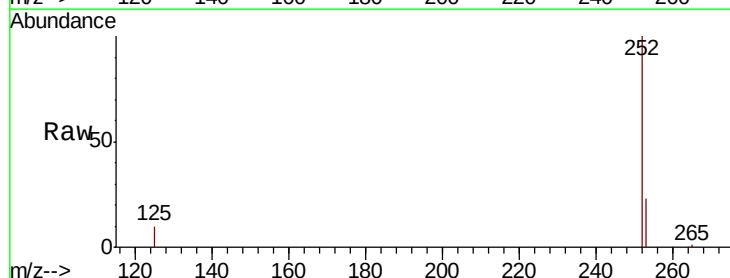
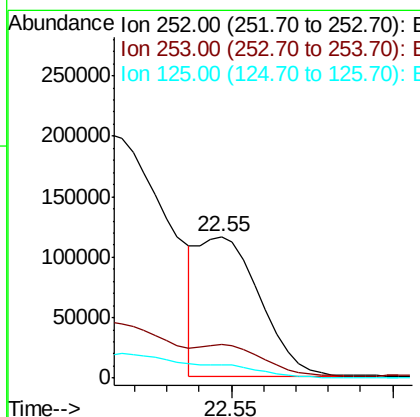
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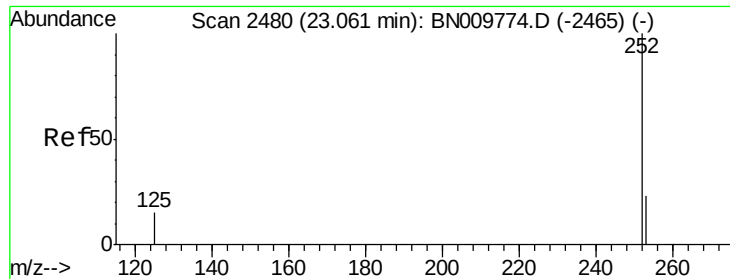
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#36
Benzo(k)fluoranthene
Concen: 4.831 ng m
RT: 22.55 min Scan# 2330
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	22.2	33.2
125	9.6	10.5	15.7#





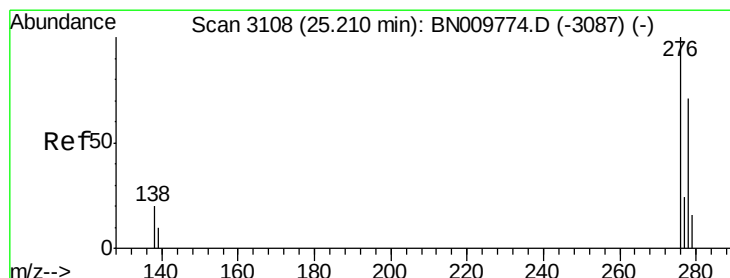
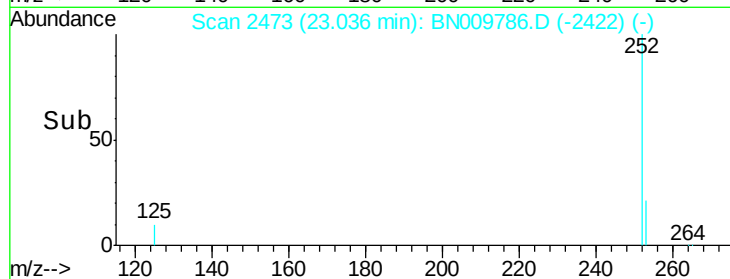
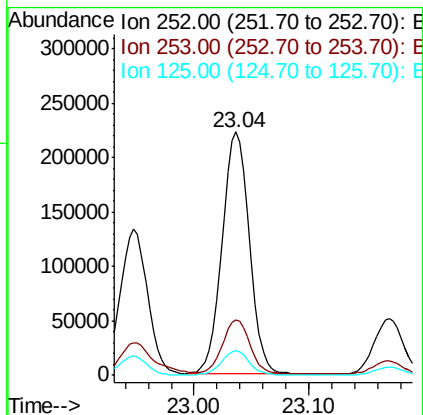
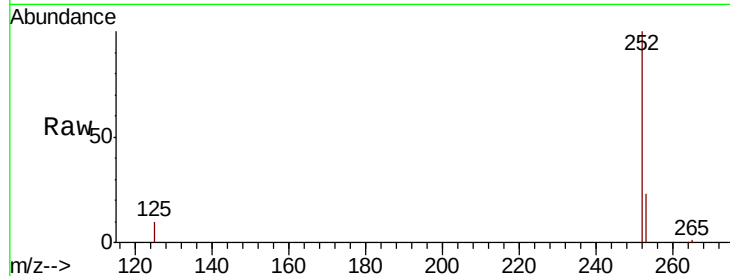
#37
Benzo(a)pyrene
Concen: 13.983 ng
RT: 23.04 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Instrument :
BNA_N
ClientSampled :
TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	25.3	37.9#
125	10.0	17.7	26.5#

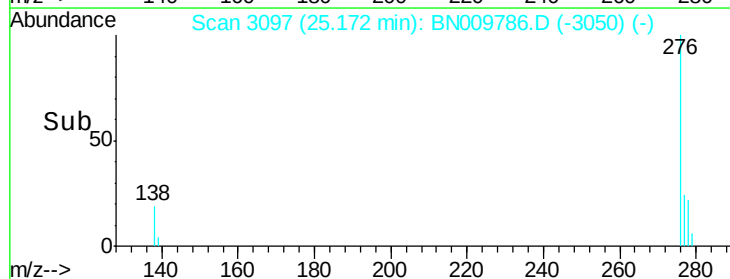
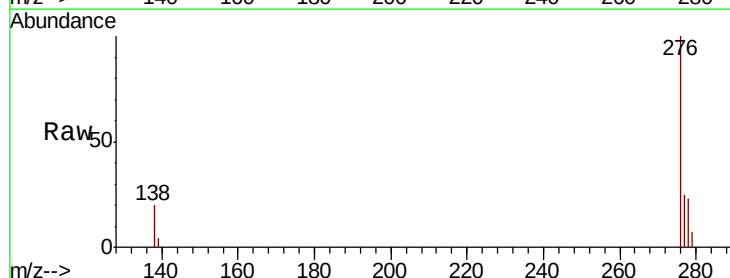
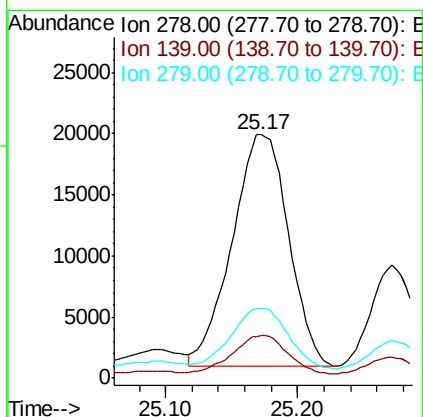
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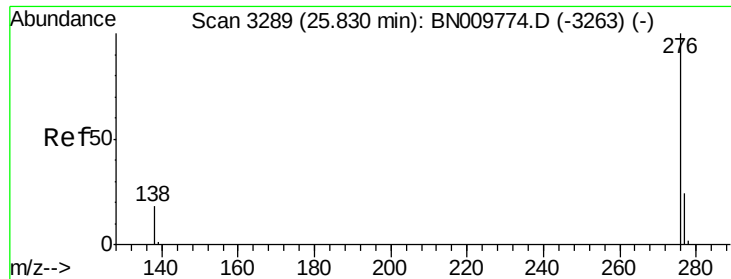
mohammad
2/20/2020 4:29:02 PM



#38
Dibenzo(a,h)anthracene
Concen: 2.137 ng
RT: 25.17 min Scan# 3097
Delta R.T. -0.04 min
Lab File: BN009786.D
Acq: 19 Feb 2020 20:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	28.6	24.3	36.5





#39

Benzo(a,h,i)perylene

Concen: 7.602 ng

RT: 25.79 min Scan# 3278

Delta R.T. -0.04 min

Lab File: BN009786.D

Acq: 19 Feb 2020 20:22

Instrument :

BNA_N

ClientSampleId :

TP10-EP2-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	21.4	32.0
138	19.8	16.6	24.8

Manual Integrations
APPROVED

mohammad
2/20/2020 4:29:02 PM

