

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
 Data File : BN009781.D
 Acq On : 19 Feb 2020 17:22
 Operator : CG/JU
 Sample : L1468-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TP9-EP2-3

Manual Integrations
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mohammad
 2/20/2020 4:28:48 PM

Quant Time: Feb 20 04:29:30 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	1062	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	3850	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	2570	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	5930	0.40	ng	-0.01
27) Chrysene-d12	21.02	240	6713	0.40	ng	-0.02
34) Perylene-d12	23.13	264	6457	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.08	112	946	0.40	ng	0.00
5) Phenol-d6	6.63	99	1192	0.41	ng	-0.02
8) Nitrobenzene-d5	8.58	82	1217	0.38	ng	-0.01
11) 2-Methylnaphthalene-d10	11.76	152	2118	0.28	ng	-0.03
14) 2,4,6-Tribromophenol	15.56	330	427	0.43	ng	-0.02
15) 2-Fluorobiphenyl	12.66	172	3910	0.40	ng	-0.02
25) Fluoranthene-d10	18.84	212	6091	0.30	ng	-0.02
29) Terphenyl-d14	19.46	244	5742	0.36	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	145448	13.851	ng	# 93
12) 2-Methylnaphthalene	11.83	142	50408	7.002	ng	98
16) Acenaphthylene	13.76	152	14039	1.281	ng	# 97
17) Acenaphthene	14.10	154	59982	7.786	ng	99
18) Fluorene	15.10	166	46247	4.549	ng	100
23) Phenanthrene	16.84	178	264130	14.966	ng	99
24) Anthracene	16.93	178	69972	4.690	ng	# 96
26) Fluoranthene	18.87	202	484152	22.911	ng	99
28) Pyrene	19.24	202	400388	15.707	ng	# 95
30) Benzo(a)anthracene	21.00	228	258502	11.604	ng	99
31) Chrysene	21.06	228	213252	8.274	ng	96
32) Bis(2-ethylhexyl)phthalate	20.96	149	1102	0.101	ng	95
33) Indeno(1,2,3-cd)pyrene	25.18	276	69097	2.574	ng	98
35) Benzo(b)fluoranthene	22.51	252	208181	8.819	ng	# 86
36) Benzo(k)fluoranthene	22.55	252	80536m	3.133	ng	
37) Benzo(a)pyrene	23.04	252	143984	6.685	ng	# 81
38) Dibenzo(a,h)anthracene	25.18	278	20938	0.987	ng	99
39) Benzo(a,h,i)perylene	25.80	276	61286	2.713	ng	96

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

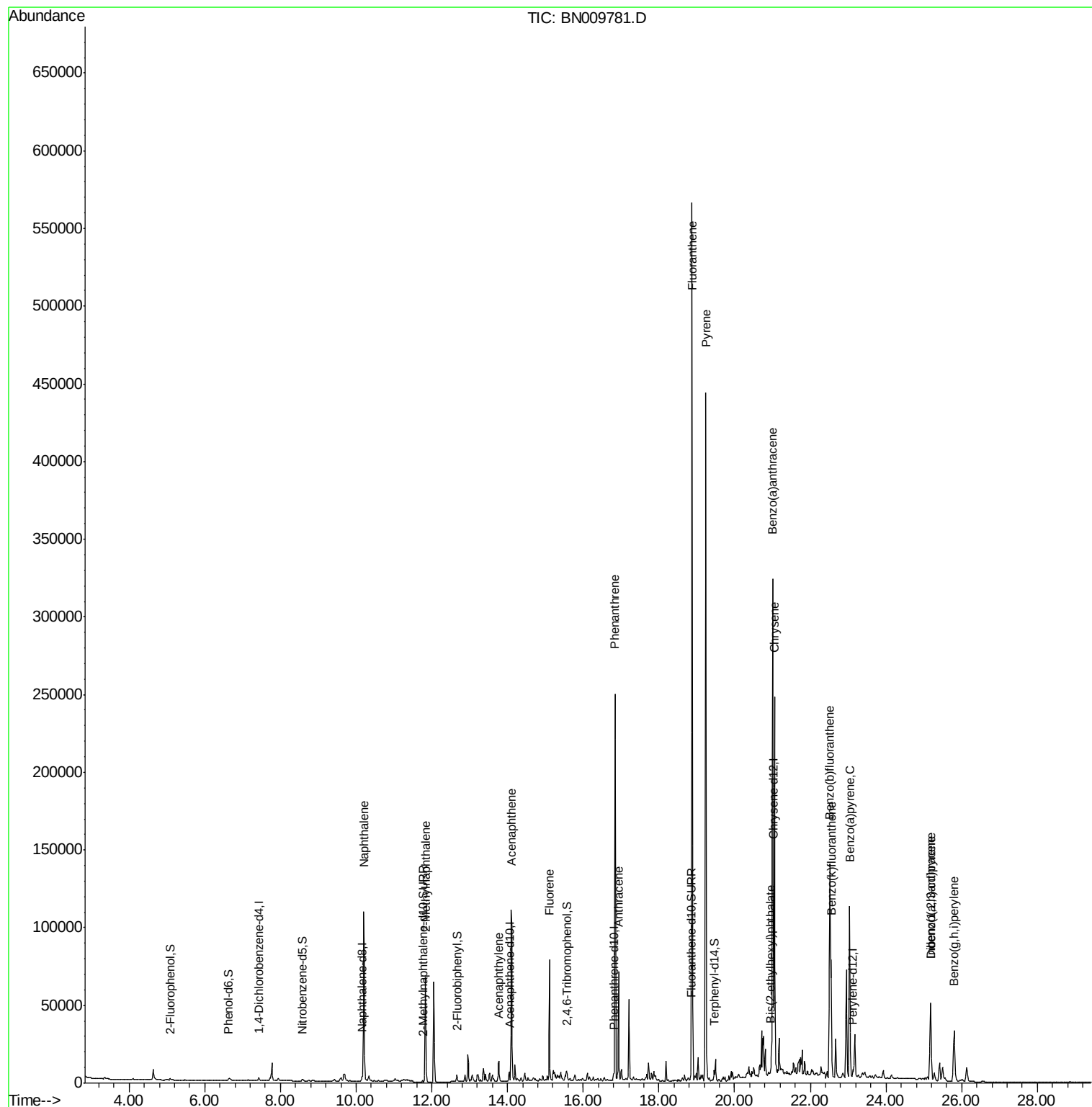
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
Data File : BN009781.D
Acq On : 19 Feb 2020 17:22
Operator : CG/JU
Sample : L1468-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

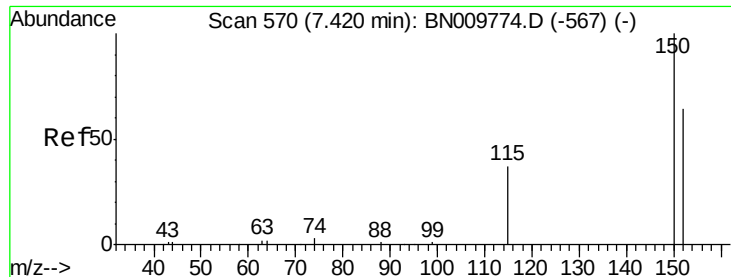
Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3

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Quant Time: Feb 20 04:29:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

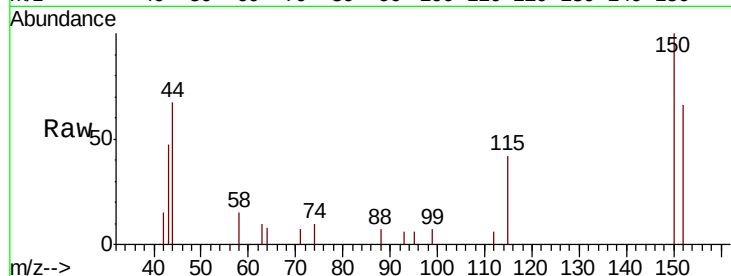
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 570
Delta R.T. -0.00 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	120.6	181.0
115	64.5	51.2	76.8

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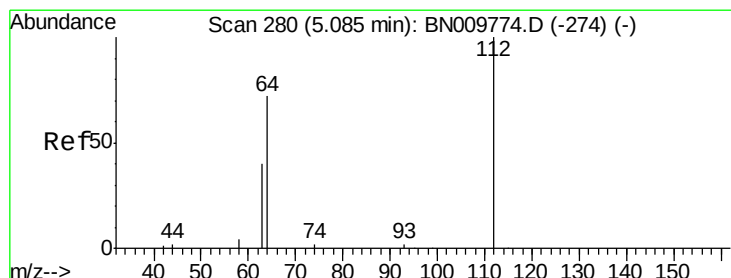
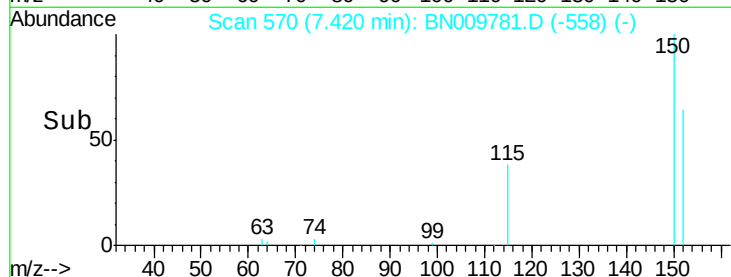
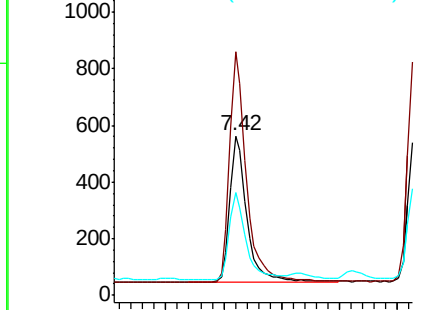


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

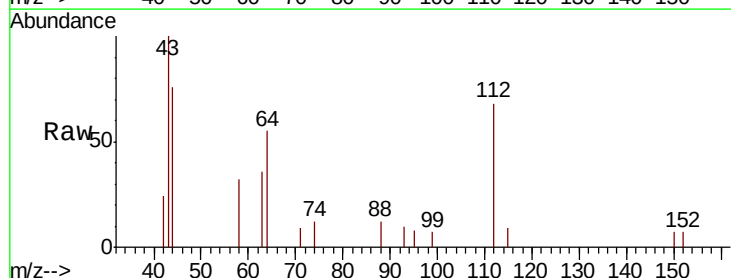
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.401 ng
RT: 5.08 min Scan# 280
Delta R.T. -0.00 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	81.9	65.8	98.6
63	37.9	38.7	58.1#

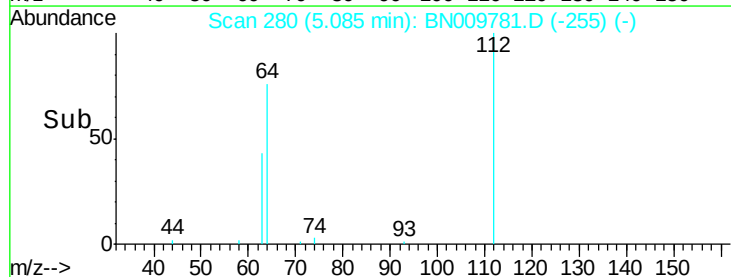
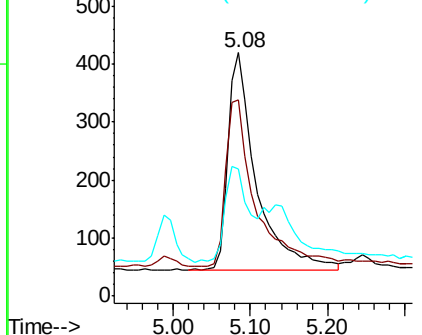


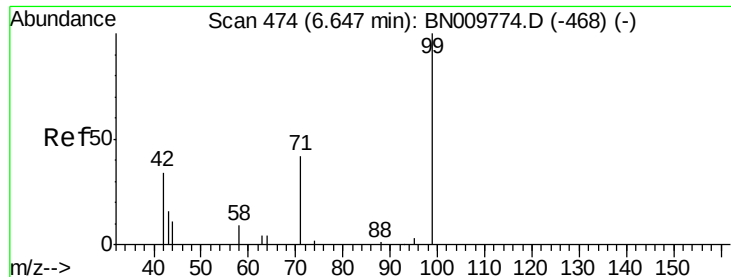
Abundance

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: 0.415 ng

RT: 6.63 min Scan# 472

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA_N

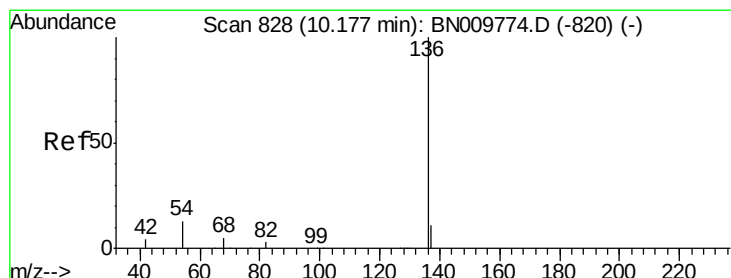
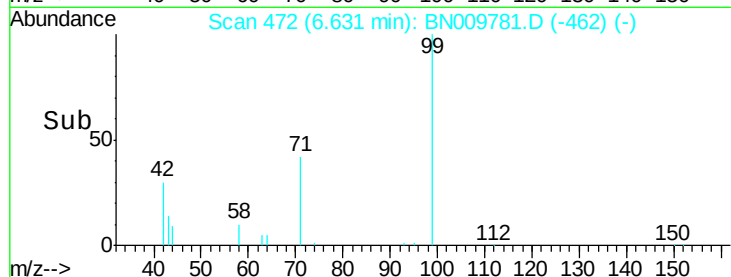
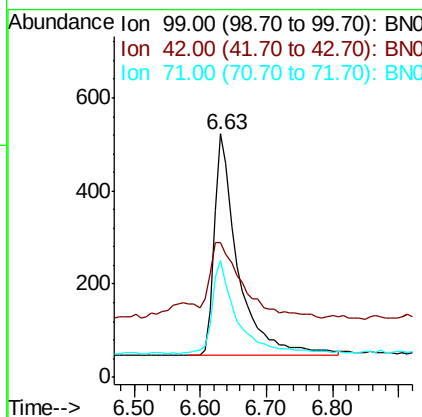
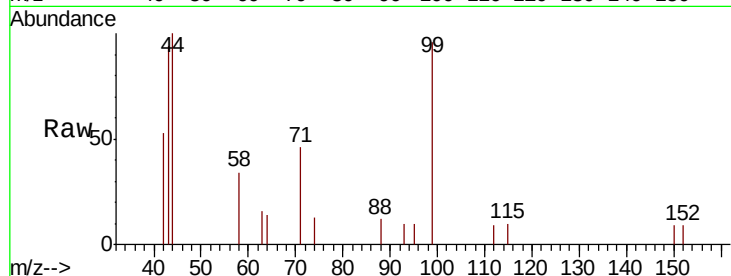
ClientSampleId :

TP9-EP2-3

Tot Ion:	99	Resp:	1192
Ion	Ratio	Lower	Upper
99	100		
42	46.9	30.8	46.2#
71	42.5	34.9	52.3

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#7

Naphthalene-d8

Concen: 0.400 ng

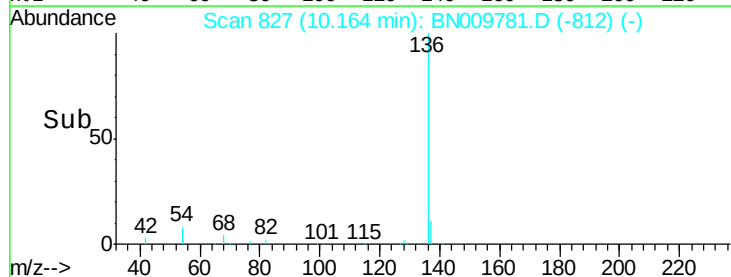
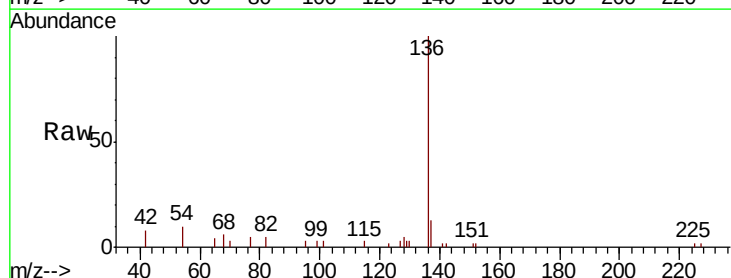
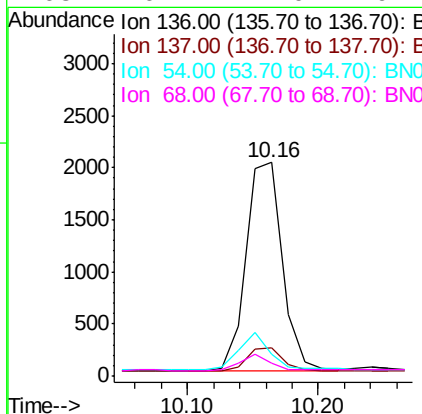
RT: 10.16 min Scan# 827

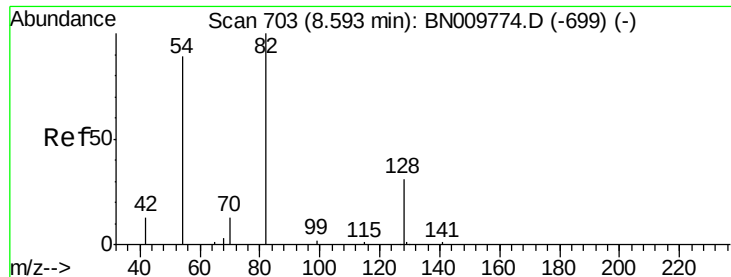
Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Tgt Ion:	136	Resp:	3850
Ion	Ratio	Lower	Upper
136	100		
137	13.3	11.3	16.9
54	10.5	13.4	20.2#
68	6.2	7.0	10.4#





#8

Nitrobenzene-d5

Concen: 0.380 ng

RT: 8.58 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA_N

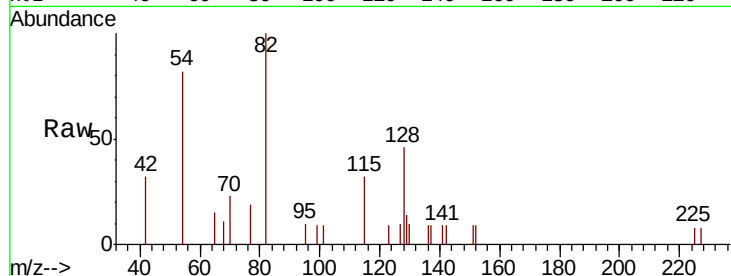
ClientSampleId :

TP9-EP2-3

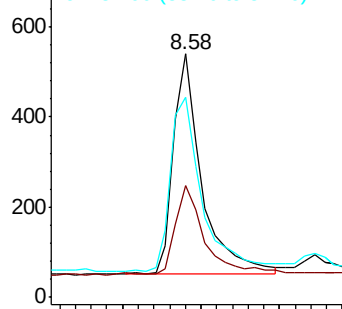
Tot Ion:	82	Resp:	1217
Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.5	48.7
54	82.4	73.5	110.3

Manual Integrations
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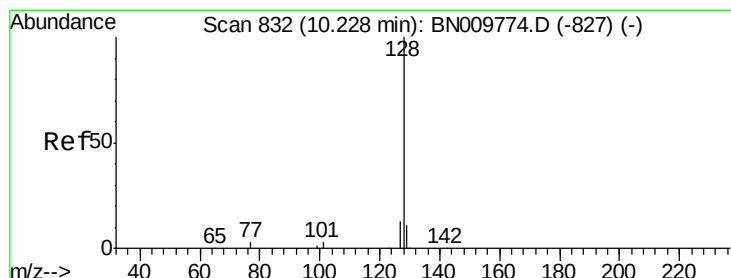
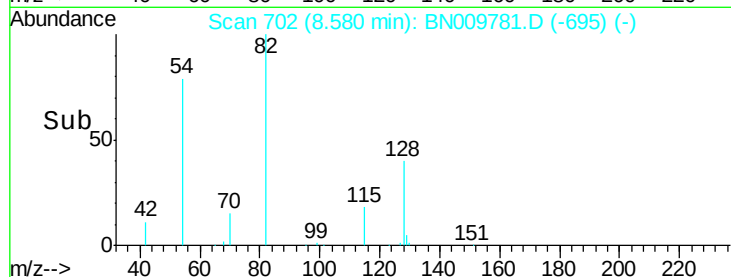
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Abundance Ion 82.00 (81.70 to 82.70): BN009781.D (-695) (-)



Time-->



#9

Naphthalene

Concen: 13.851 ng

RT: 10.20 min Scan# 830

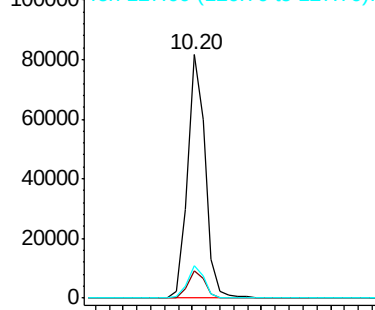
Delta R.T. -0.03 min

Lab File: BN009781.D

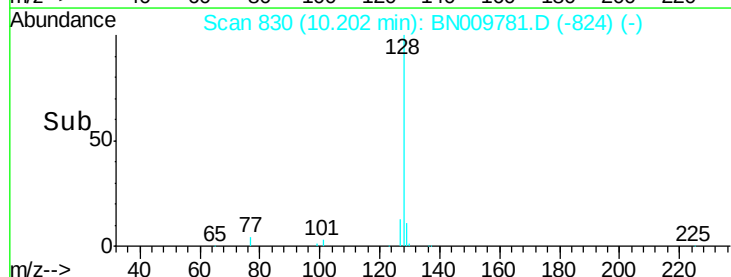
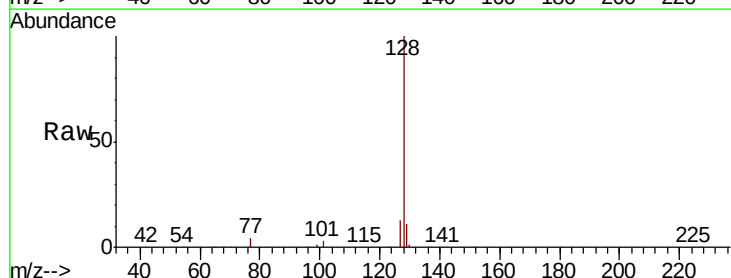
Acq: 19 Feb 2020 17:22

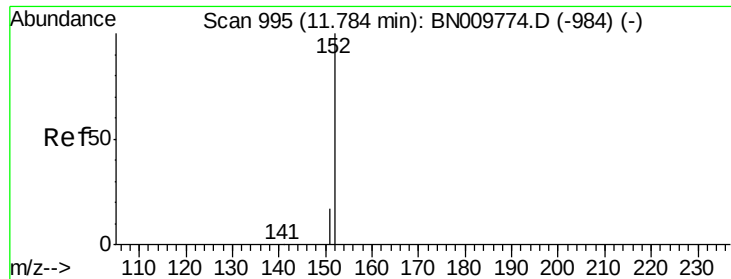
Tgt Ion:	128	Resp:	145448
Ion	Ratio	Lower	Upper
128	100		
129	11.0	11.1	16.7#
127	13.2	12.6	19.0

Abundance Ion 128.00 (127.70 to 128.70): BN009781.D (-824) (-)



Time-->





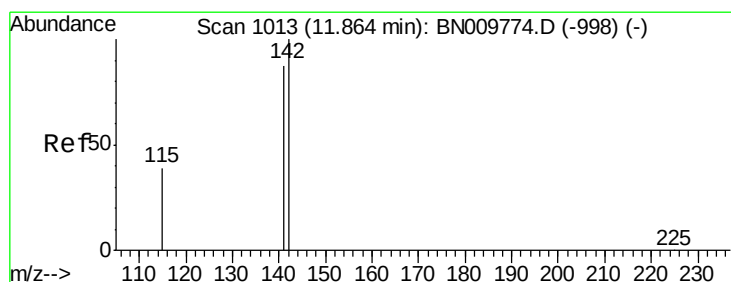
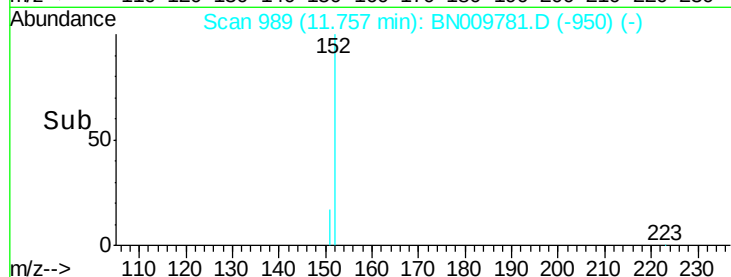
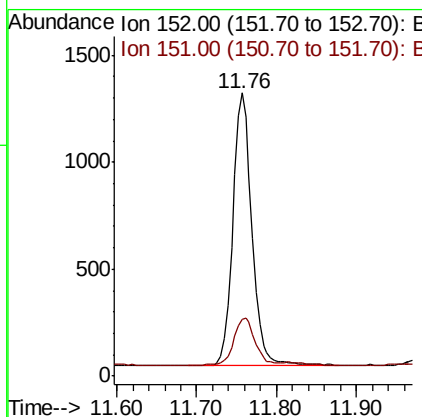
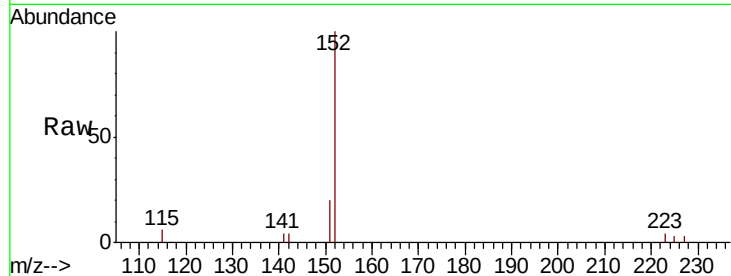
#11
2-Methylnaphthalene-d10
Concen: 0.284 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.03 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.1	22.7

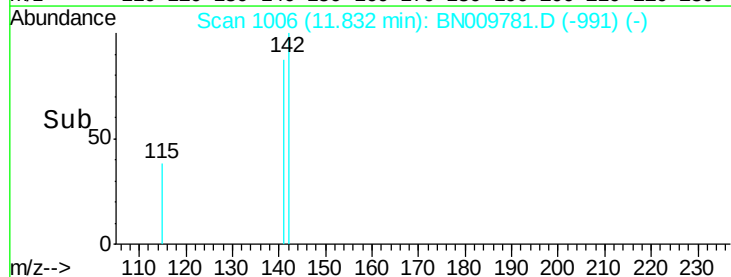
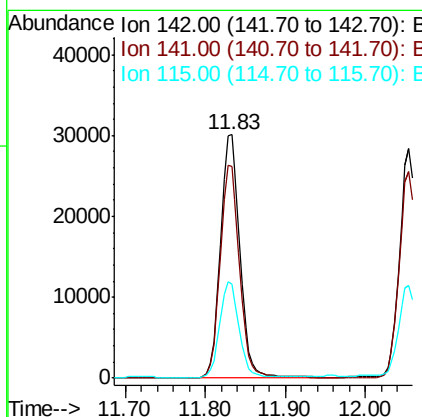
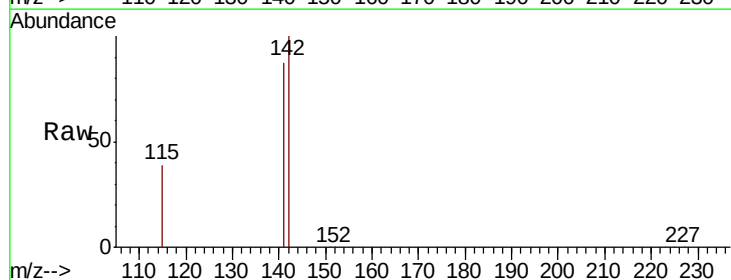
Manual Integrations
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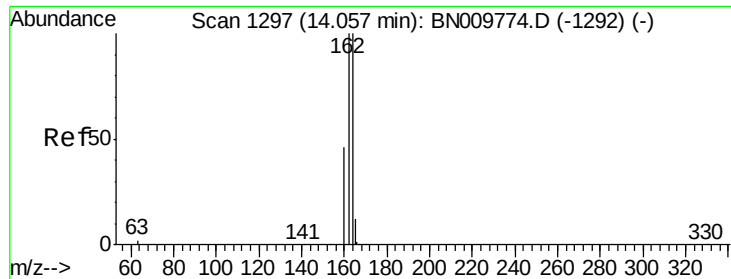
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#12
2-Methylnaphthalene
Concen: 7.002 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.8	104.6
115	38.6	34.6	52.0





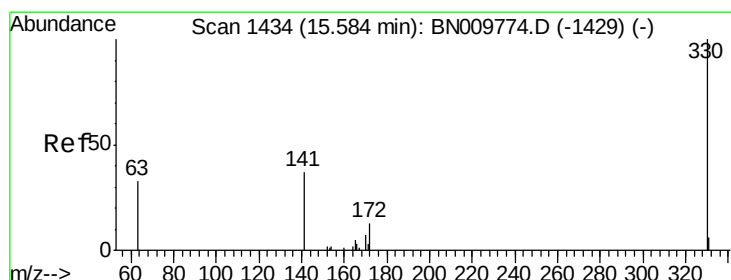
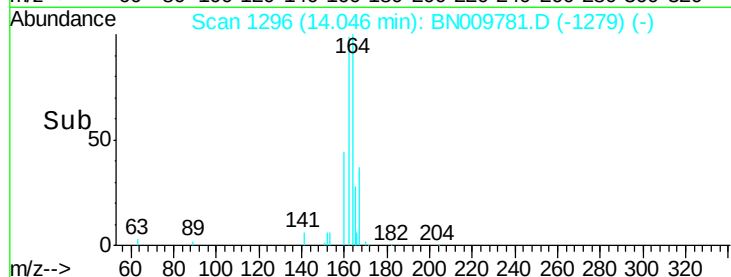
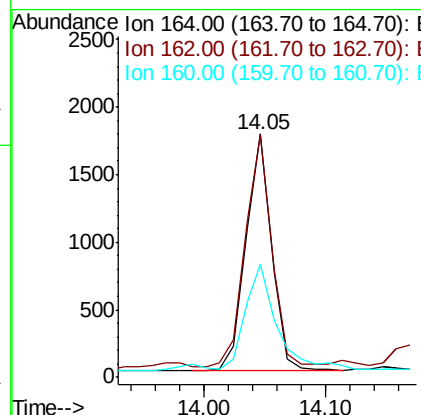
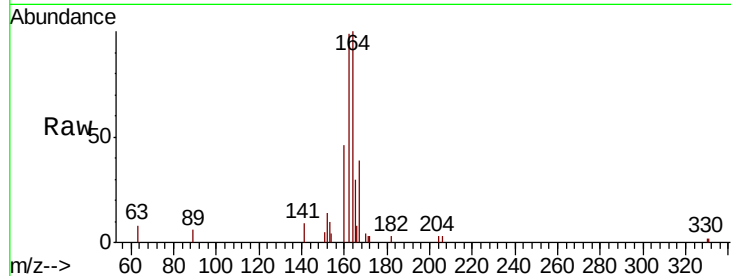
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3

Tot Ion:	164	Resp:	2570
Ion Ratio	Lower	Upper	
164	100		
162	99.4	79.9	119.9
160	46.2	38.2	57.2

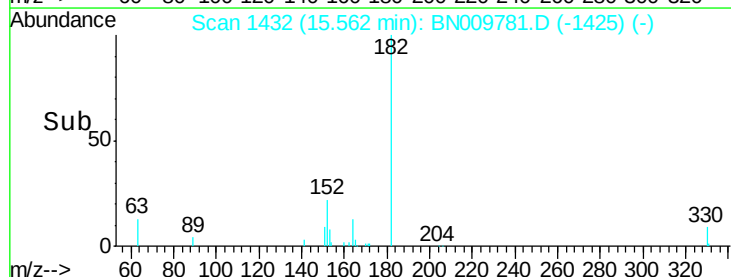
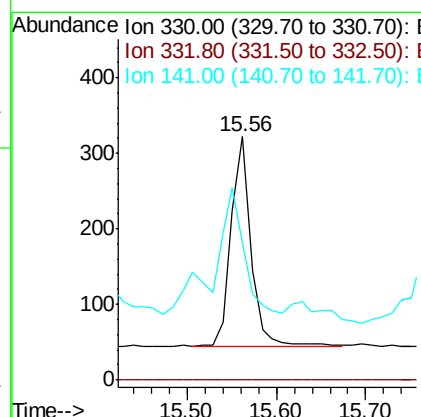
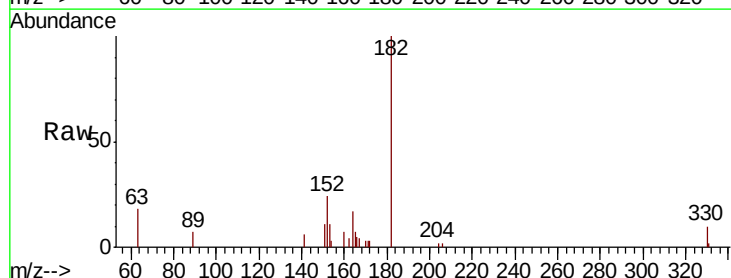
Manual Integrations
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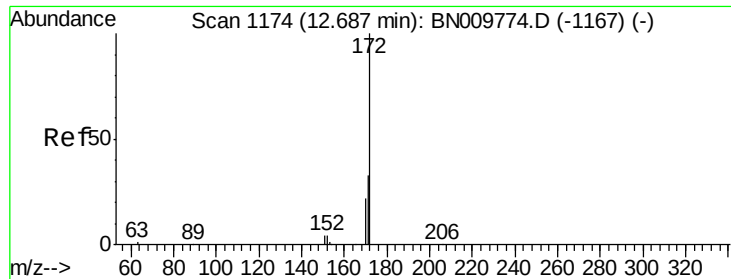
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#14
2,4,6-Tribromophenol
Concen: 0.431 ng
RT: 15.56 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion:	330	Resp:	427
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	83.4	36.8	55.2#





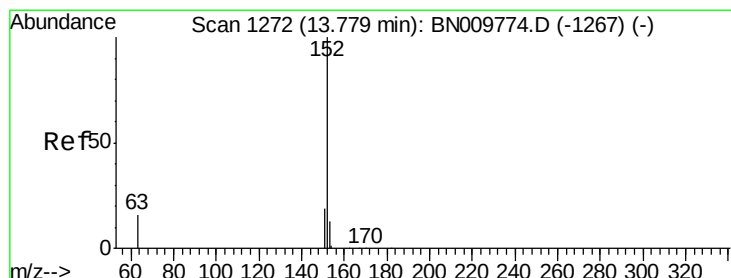
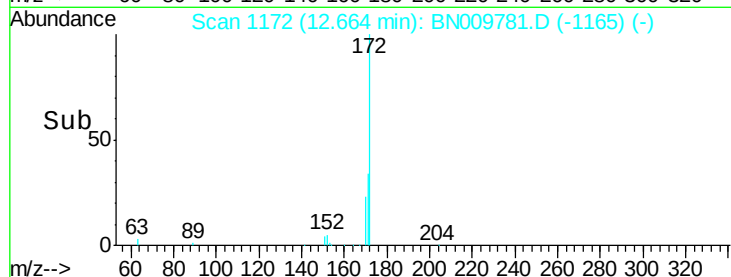
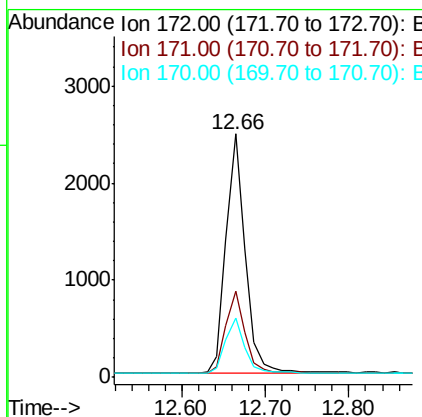
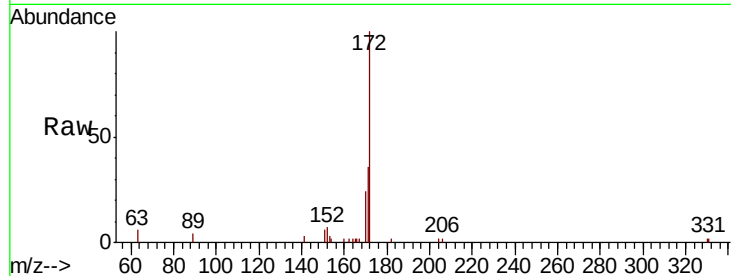
#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	24.2	20.1	30.1

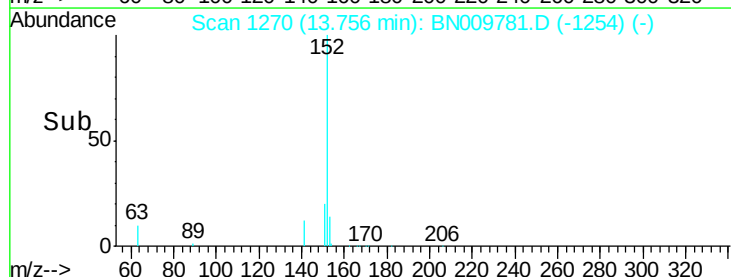
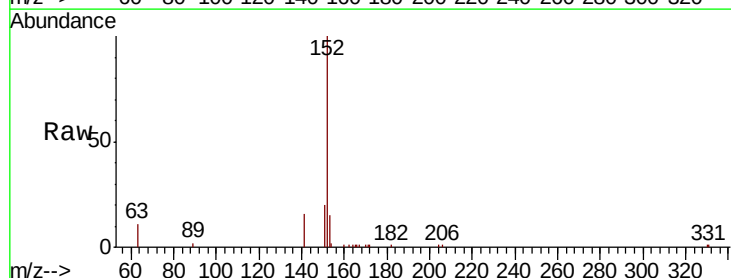
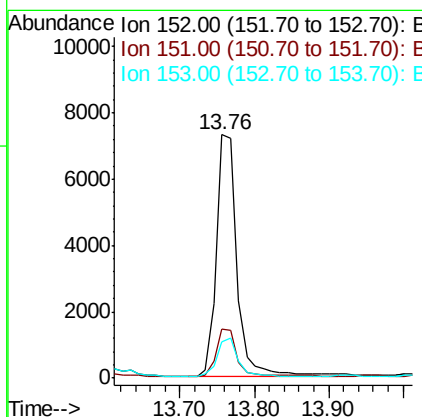
Manual Integrations
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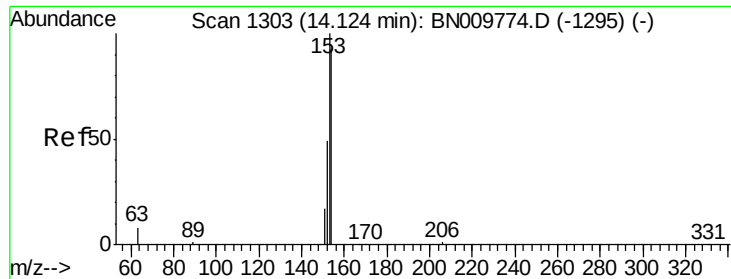
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#16
Acenaphthylene
Concen: 1.281 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	15.9	10.2	15.4#





#17

Acenaphthene

Concen: 7.786 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA_N

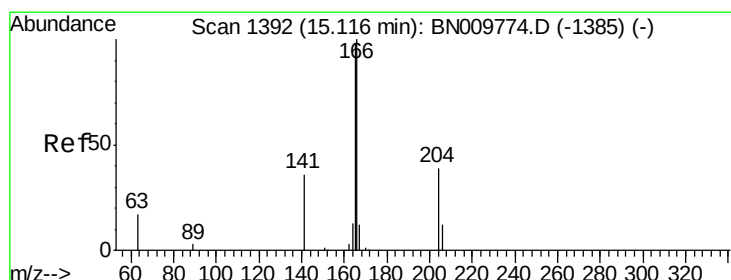
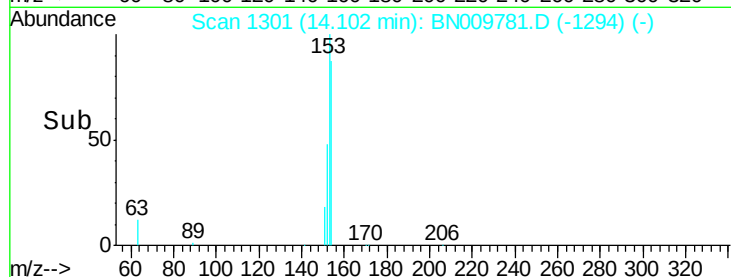
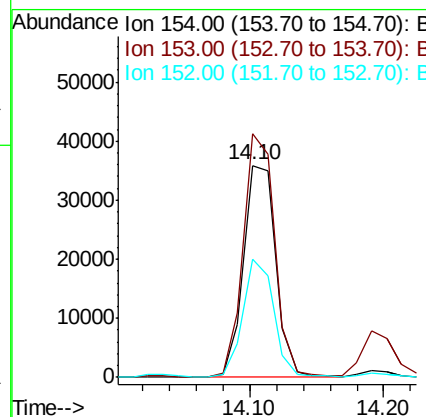
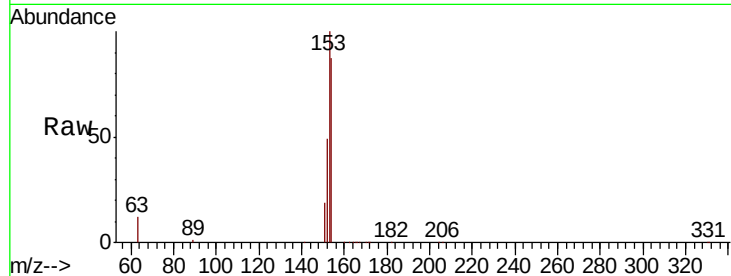
ClientSampled :

TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.5	88.9	133.3
152	53.3	44.2	66.2

Manual Integrations
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#18

Fluorene

Concen: 4.549 ng

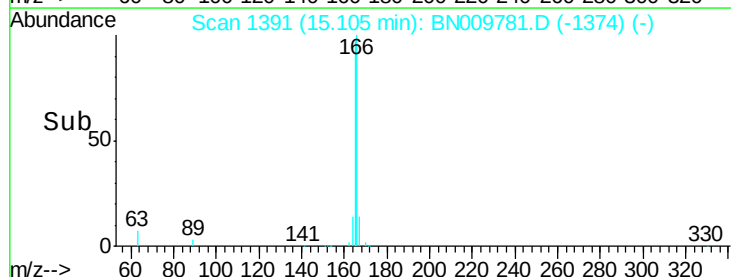
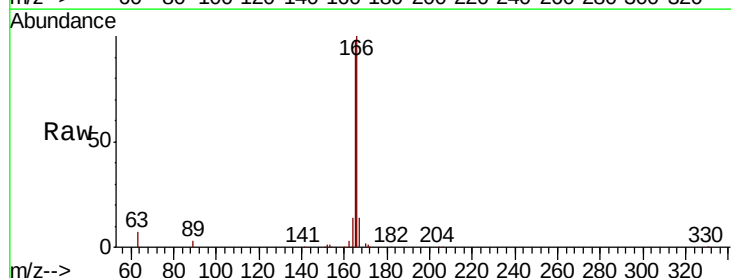
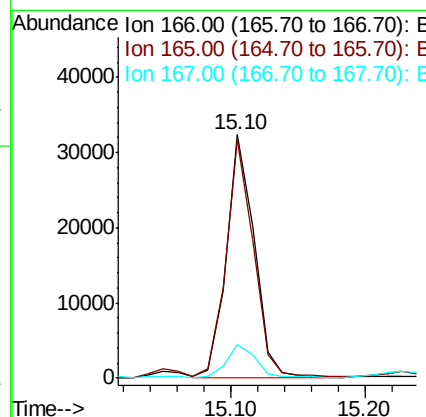
RT: 15.10 min Scan# 1391

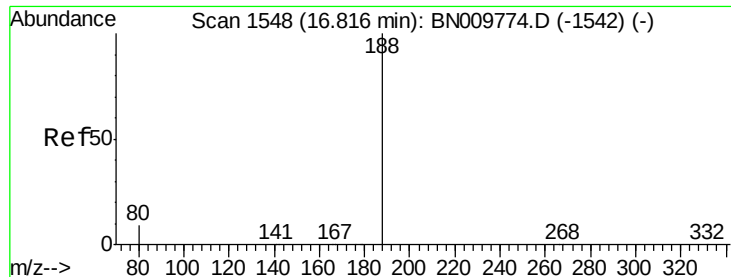
Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.2	115.8
167	14.3	10.5	15.7





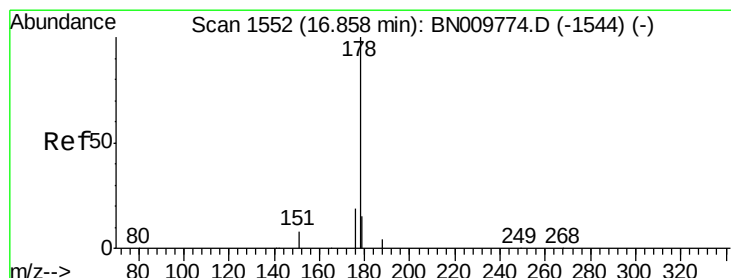
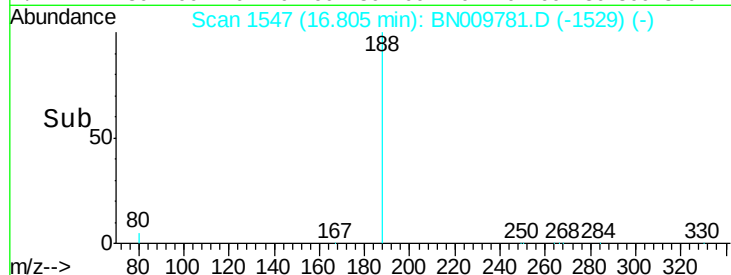
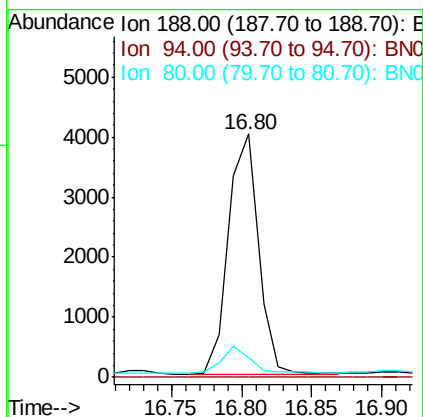
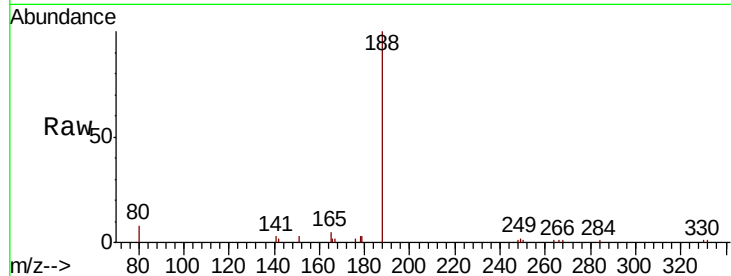
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampled :
TP9-EP2-3

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	8.2	8.3	12.5#

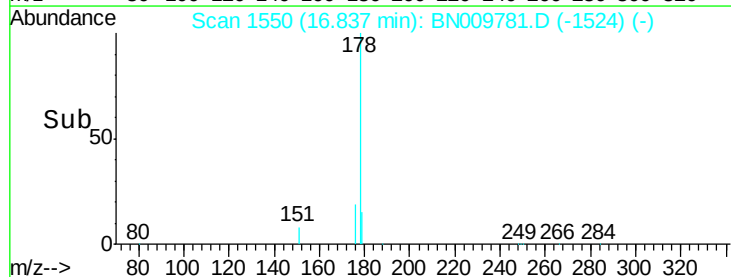
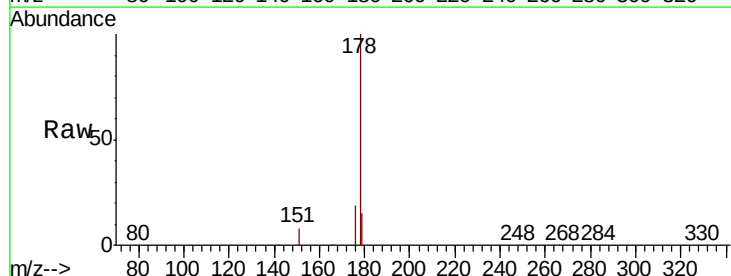
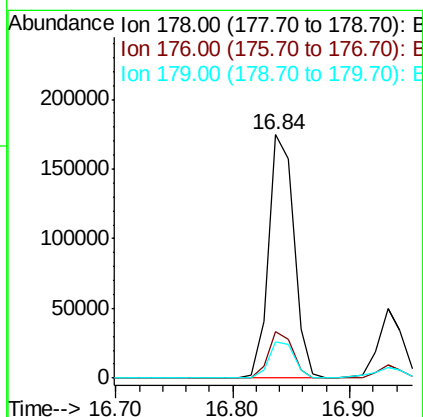
Manual Integrations
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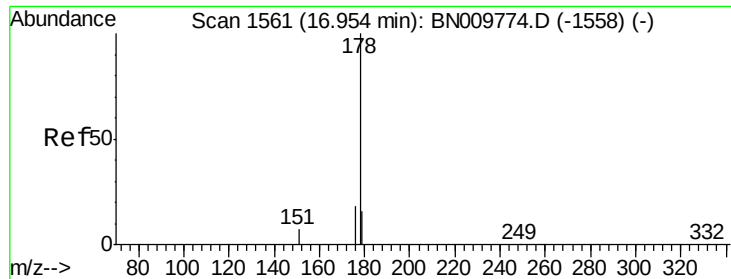
mohammad
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#23
Phenanthrene
Concen: 14.966 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

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





#24

Anthracene

Concen: 4.690 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA_N

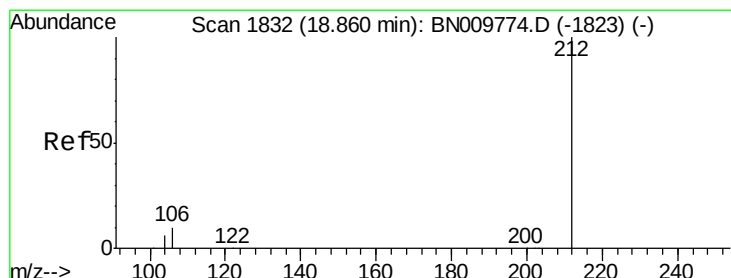
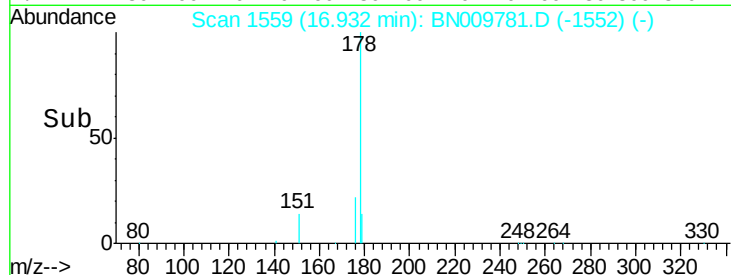
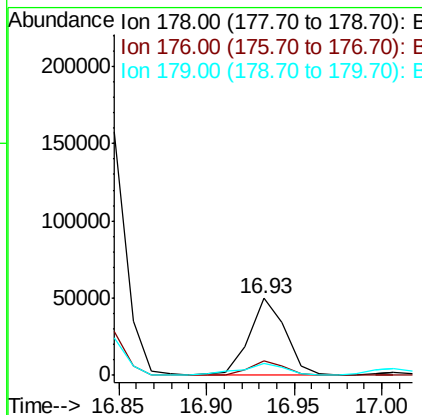
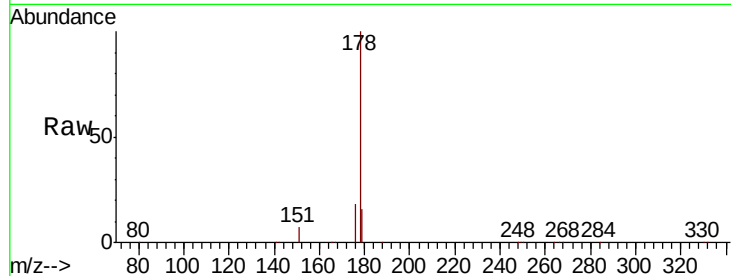
ClientSampleId :

TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.3	21.5
179	18.7	12.4	18.6

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#25

Fluoranthene-d10

Concen: 0.297 ng

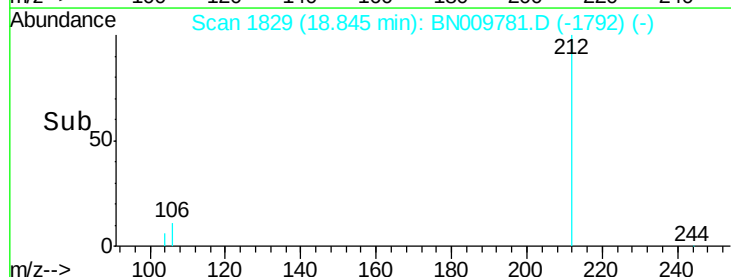
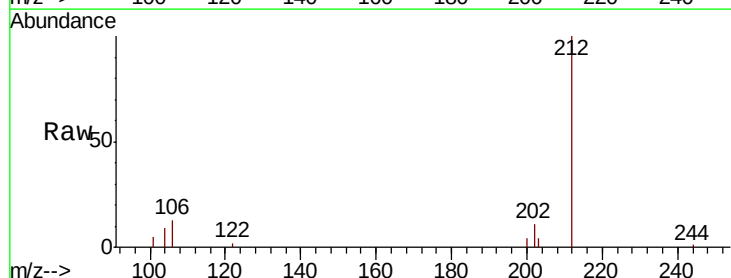
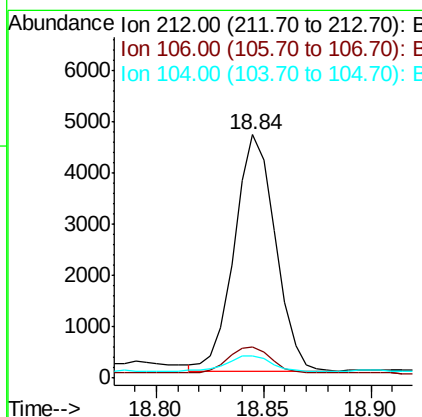
RT: 18.84 min Scan# 1829

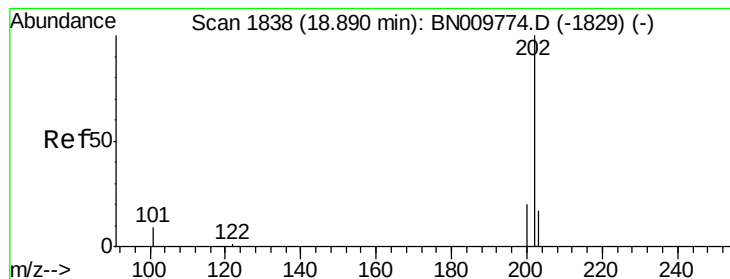
Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.3	8.4	12.6
104	7.9	4.8	7.2





#26

Fluoranthene

Concen: 22.911 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA_N

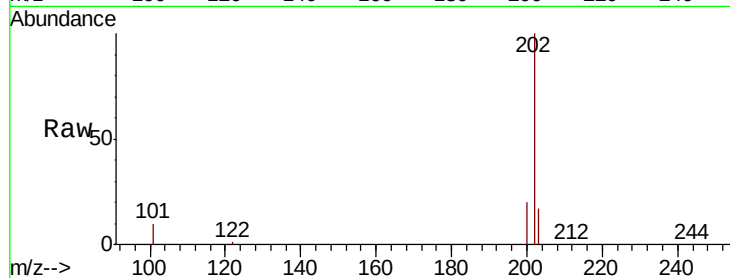
ClientSampleId :

TP9-EP2-3

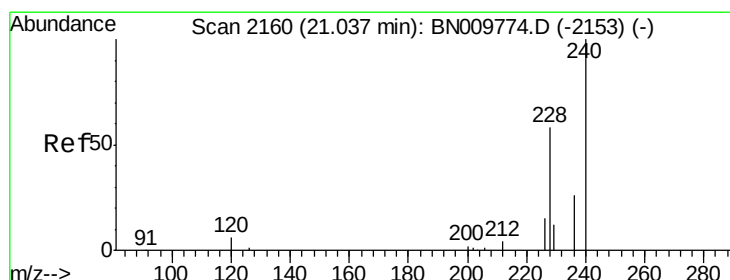
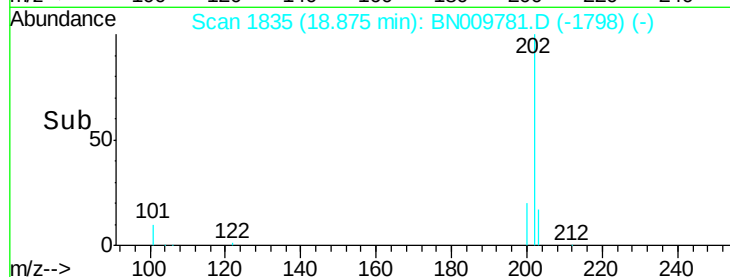
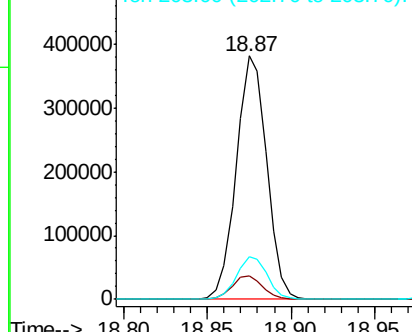
Tot Ion:	202	Resp:	484152
Ion Ratio	Lower	Upper	
202	100		
101	9.6	7.1	10.7
203	17.5	13.8	20.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

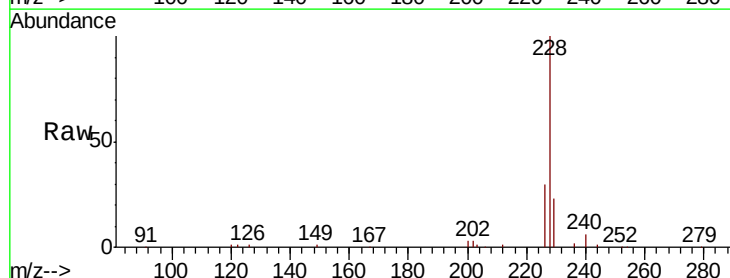
RT: 21.02 min Scan# 2158

Delta R.T. -0.02 min

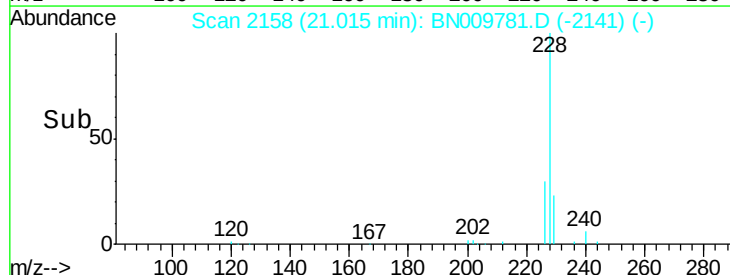
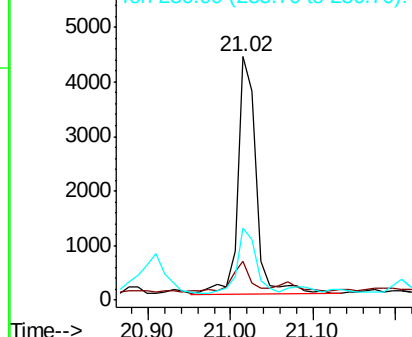
Lab File: BN009781.D

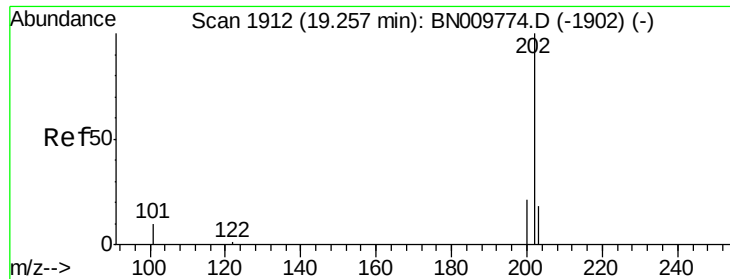
Acq: 19 Feb 2020 17:22

Tgt Ion:	240	Resp:	6713
Ion Ratio	Lower	Upper	
240	100		
120	16.0	7.9	11.9#
236	29.9	22.0	33.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





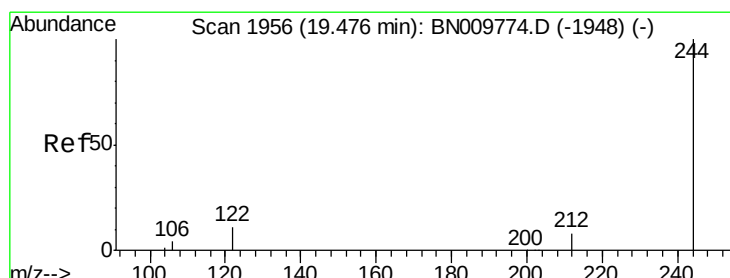
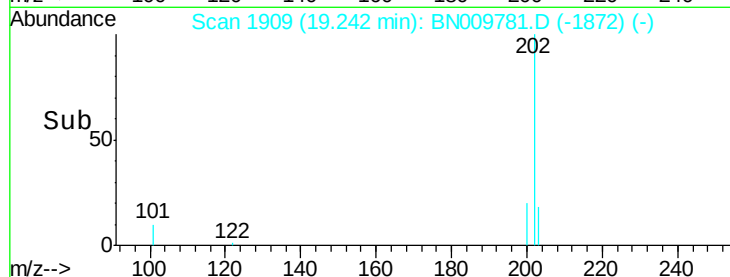
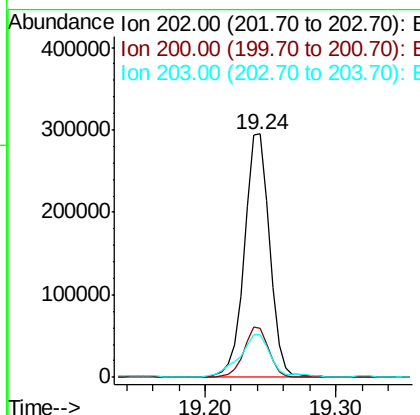
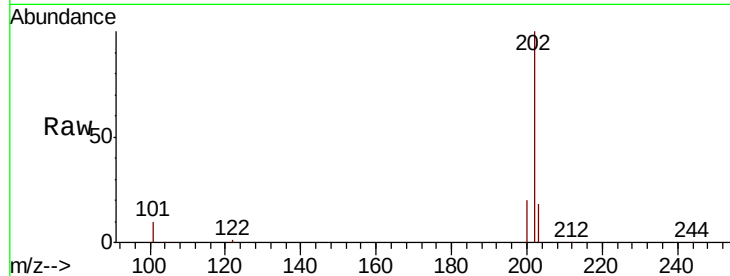
#28
Pvrene
Concen: 15.707 ng
RT: 19.24 min Scan# 1909
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.4	24.6
203	22.0	13.9	20.9

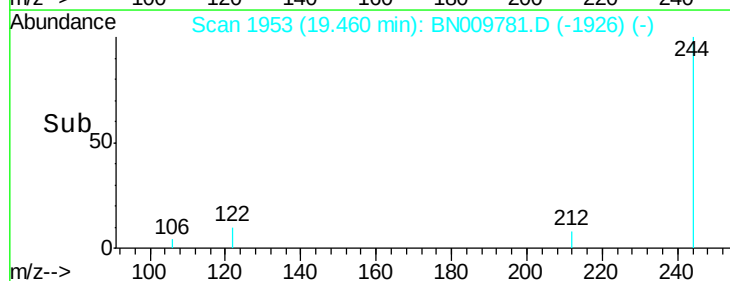
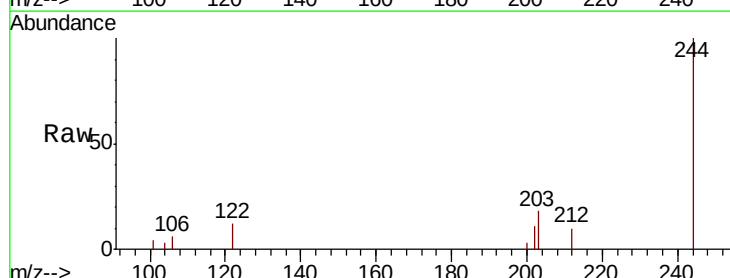
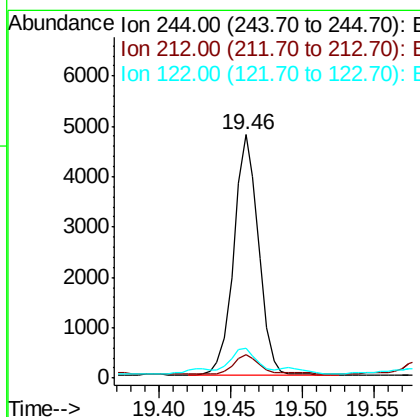
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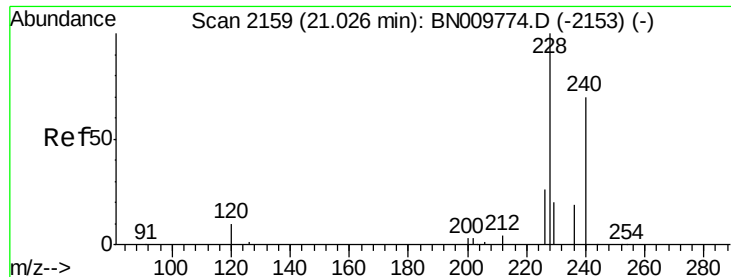
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#29
Terphenyl-d14
Concen: 0.358 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.8	8.0	12.0
122	12.4	10.0	15.0





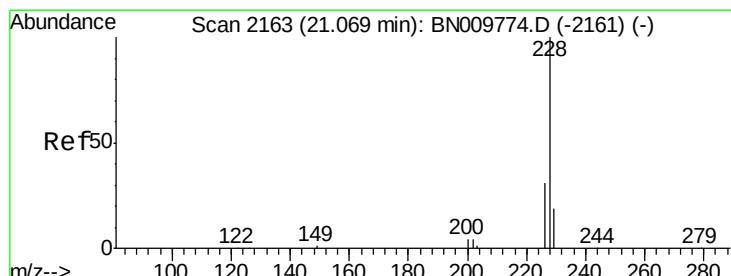
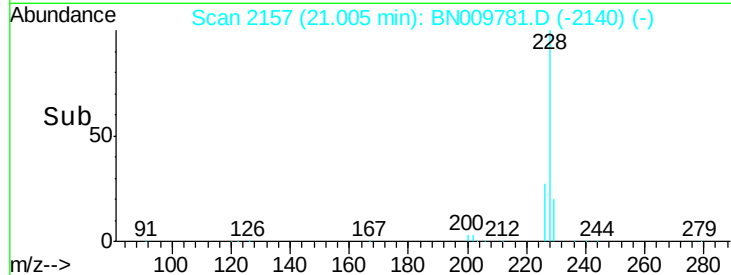
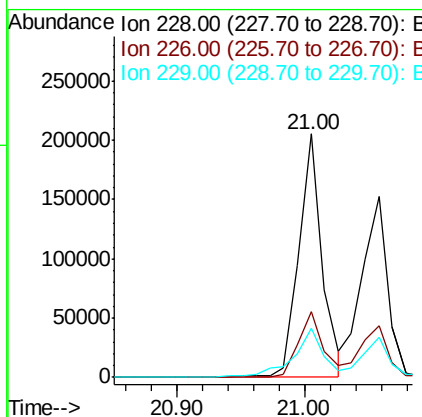
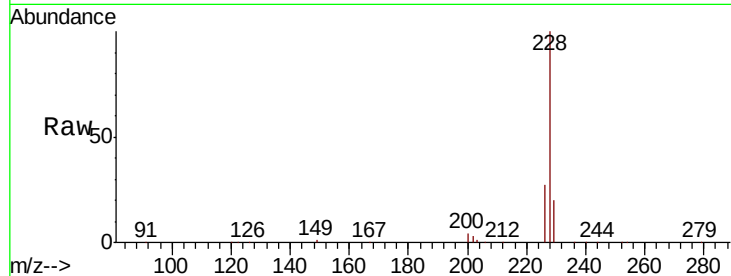
#30
Benzo(a)anthracene
Concen: 11.604 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampled :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	20.1	17.1	25.7

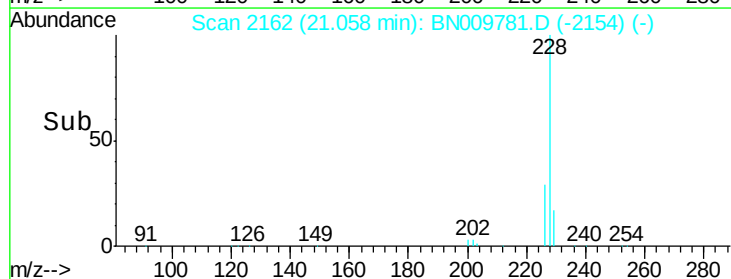
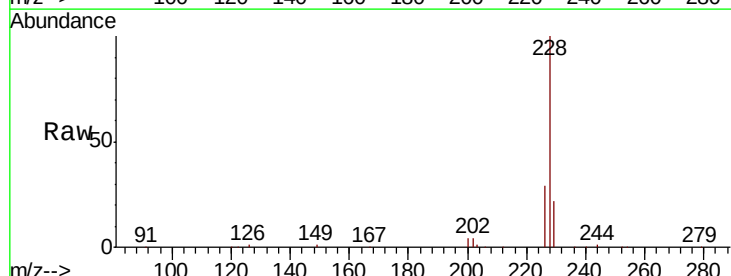
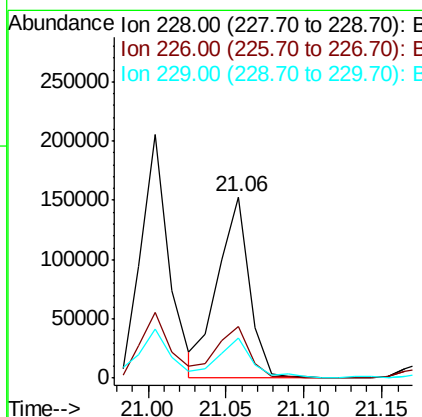
Manual Integrations
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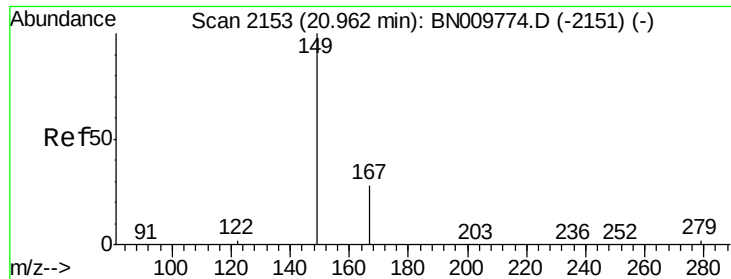
mohammad
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#31
Chrysene
Concen: 8.274 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.8	37.2
229	22.1	16.4	24.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.101 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA_N

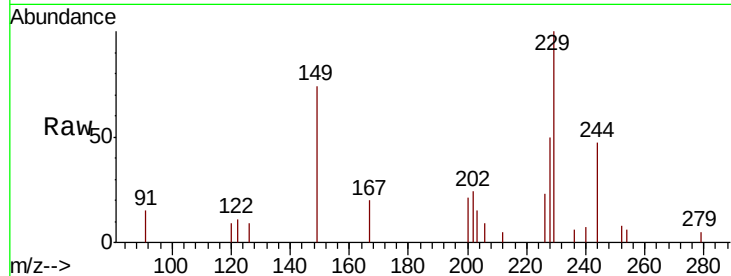
ClientSampleId :

TP9-EP2-3

Tot Ion:	149	Resp:	1102
Ion Ratio	Lower	Upper	
149	100		
167	31.6	22.7	34.1
279	4.1	3.1	4.7

Manual Integrations
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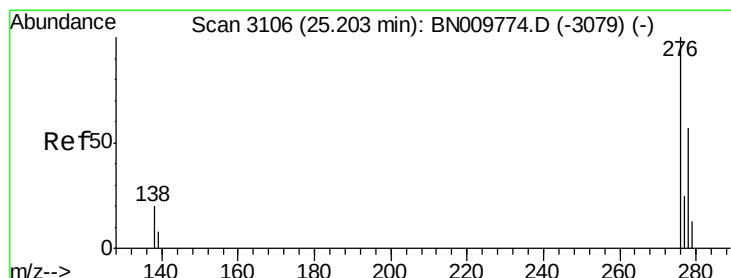
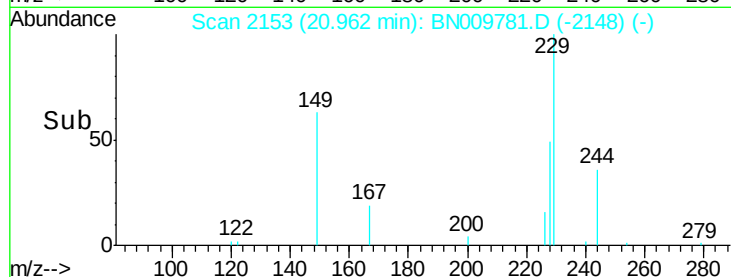
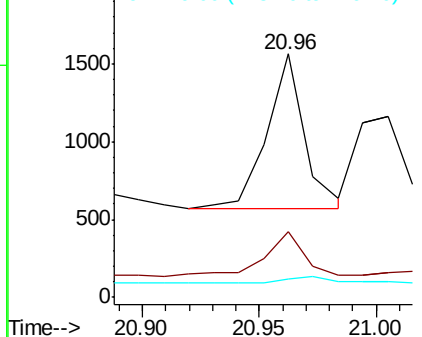


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 2.574 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

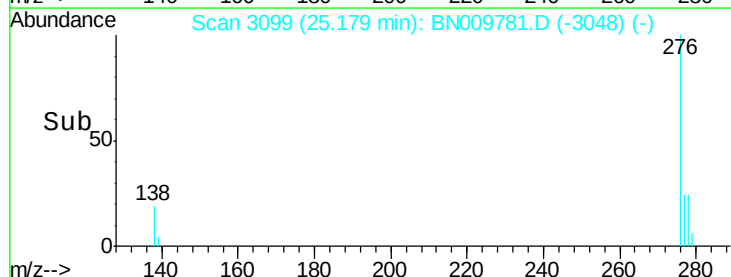
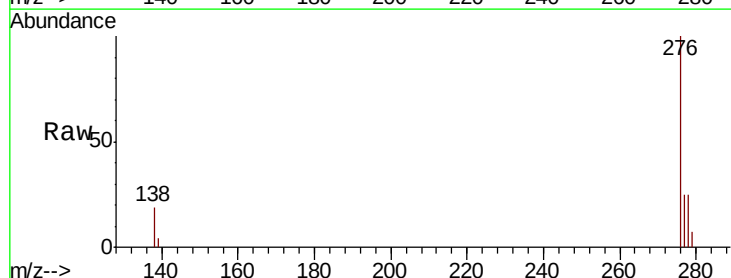
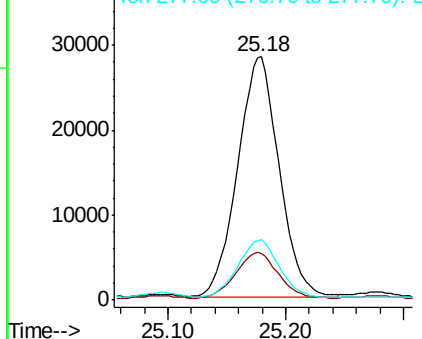
Tgt Ion:	276	Resp:	69097
Ion Ratio	Lower	Upper	
276	100		
138	20.8	15.8	23.6
277	24.7	19.3	28.9

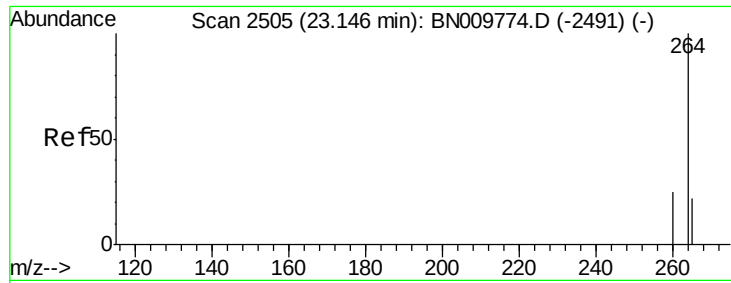
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





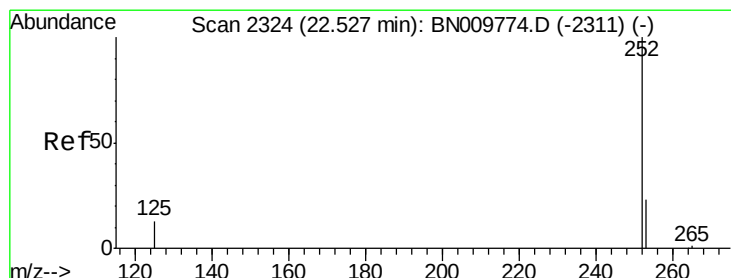
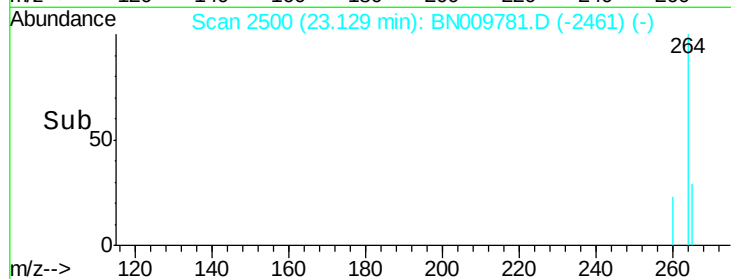
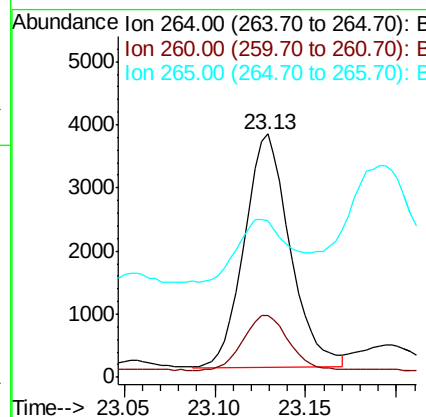
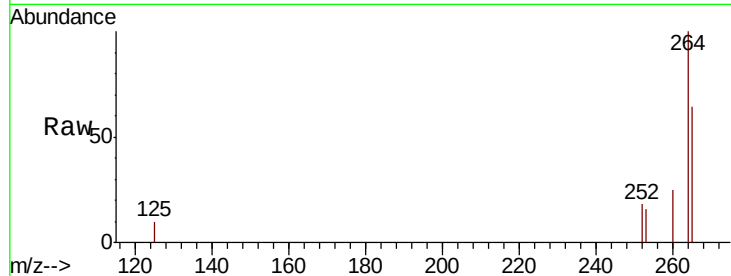
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampled :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	21.1	31.7
265	64.3	57.5	86.3

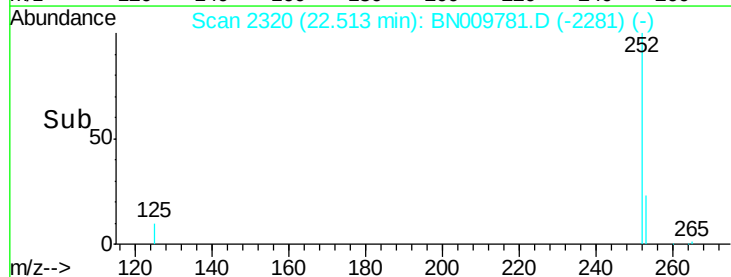
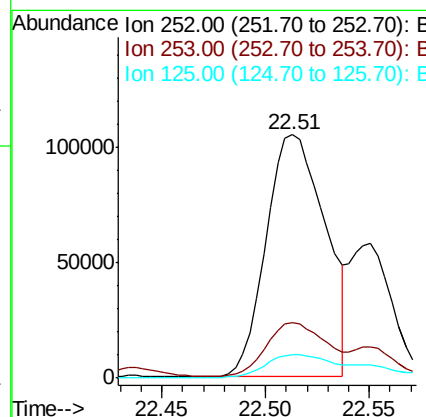
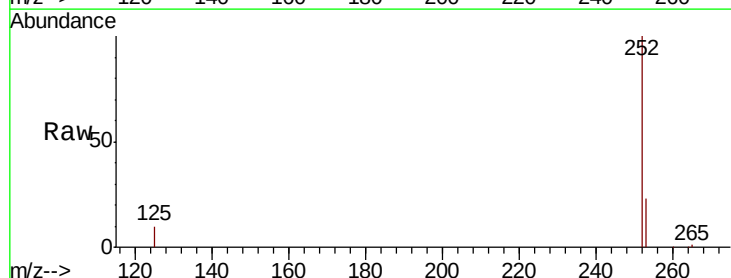
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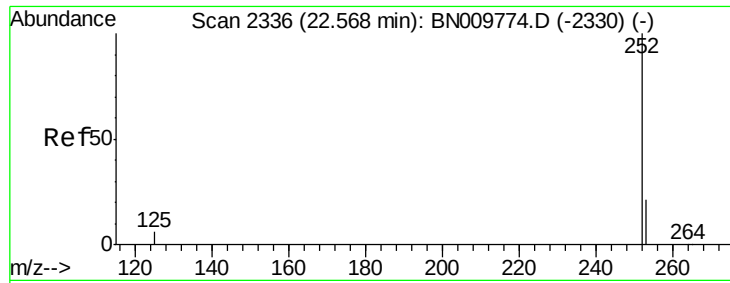
mohammad
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#35
Benzo(b)fluoranthene
Concen: 8.819 ng
RT: 22.51 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	23.0	34.6#
125	9.7	14.4	21.6#





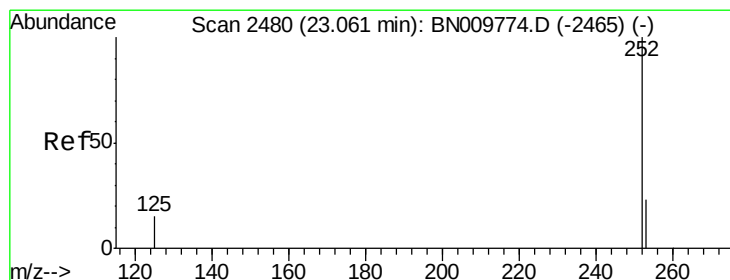
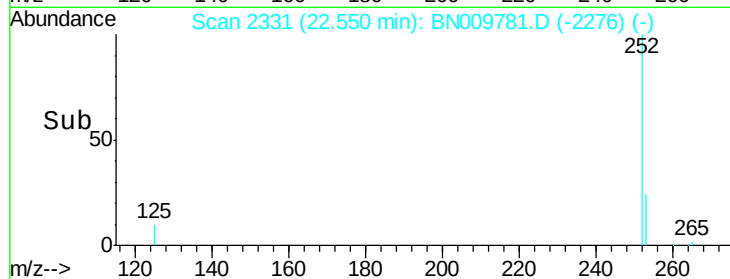
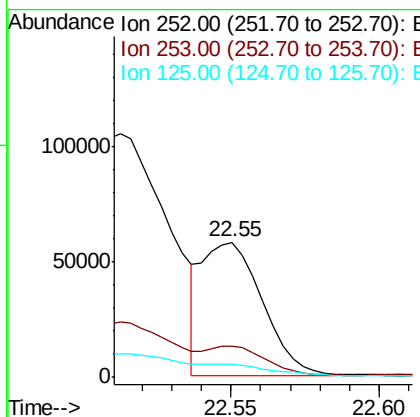
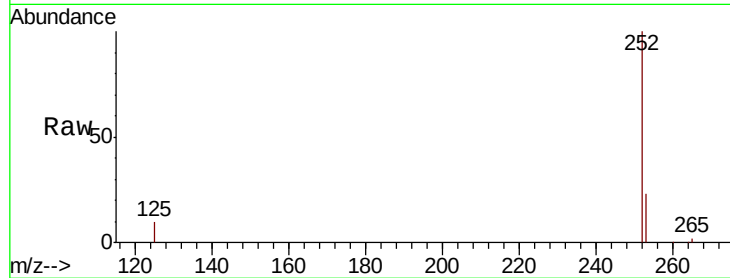
#36
Benzo(k)fluoranthene
Concen: 3.133 ng/mL
RT: 22.55 min Scan# 2331
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampleID :
TP9-EP2-3

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

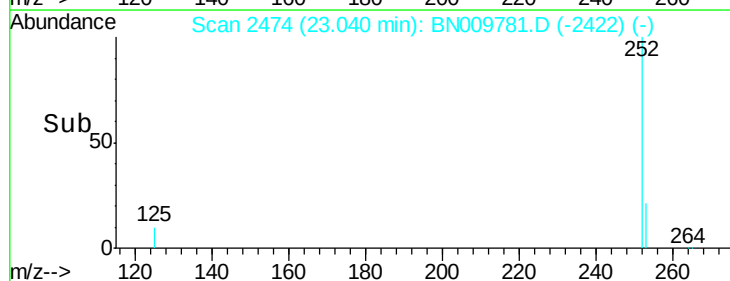
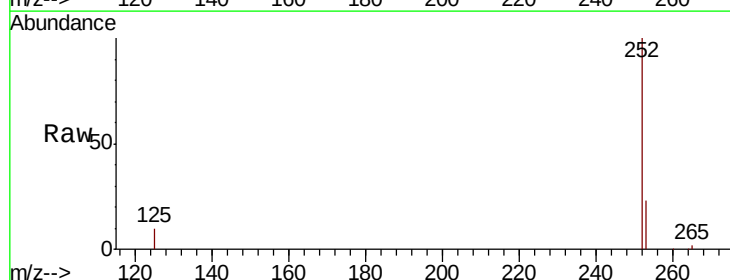
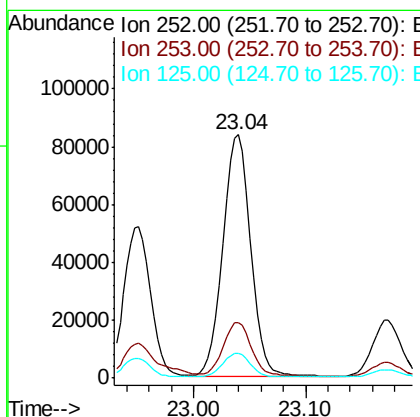
Manual Integrations
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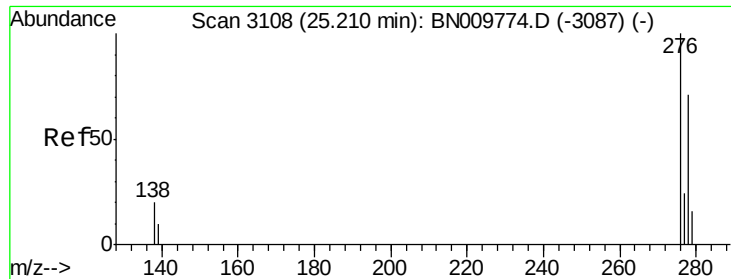
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#37
Benzo(a)pyrene
Concen: 6.685 ng/mL
RT: 23.04 min Scan# 2474
Delta R.T. -0.02 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	25.3	37.9
125	10.2	17.7	26.5





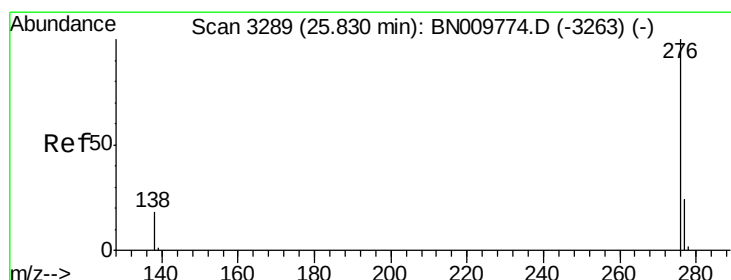
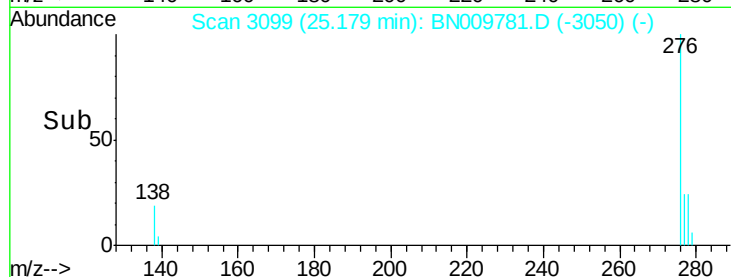
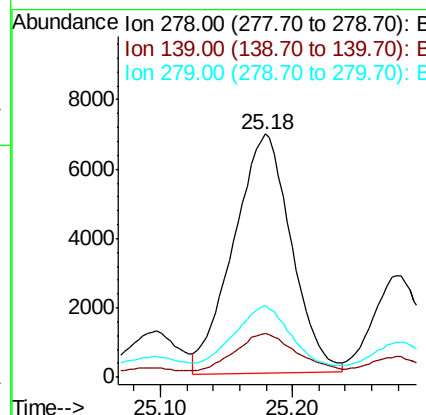
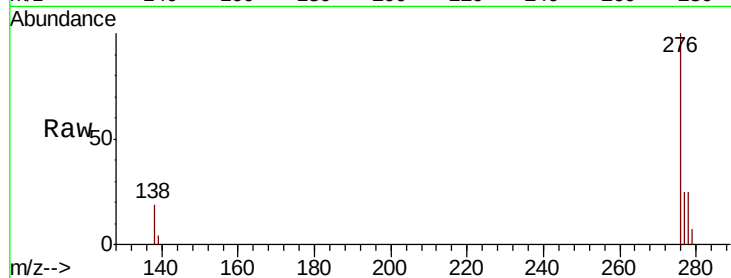
#38
Dibenzo(a,h)anthracene
Concen: 0.987 ng
RT: 25.18 min Scan# 3099
Delta R.T. -0.03 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.5	21.7
279	29.6	24.3	36.5

Manual Integrations
APPROVED

mohammad
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#39
Benzo(g,h,i)perylene
Concen: 2.713 ng
RT: 25.80 min Scan# 3280
Delta R.T. -0.03 min
Lab File: BN009781.D
Acq: 19 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	21.4	32.0
138	19.5	16.6	24.8

