

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
 Data File : BN009785.D
 Acq On : 19 Feb 2020 19:46
 Operator : CG/JU
 Sample : L1468-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TP11-EP2-3

Manual Integrations
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 2/20/2020 4:28:59 PM

Quant Time: Feb 20 05:00:58 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	7.43	152	1150	0.40	ng	0.00
7) Naphthalene-d8	10.18	136	4117	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	2723	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	5990	0.40	ng	-0.01
27) Chrysene-d12	21.02	240	6169	0.40	ng	-0.02
34) Perylene-d12	23.13	264	6235	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.09	112	163	0.06	ng	0.00
5) Phenol-d6	6.69	99	196	0.06	ng	0.04
8) Nitrobenzene-d5	8.66	82	182	0.05	ng	0.06
11) 2-Methylnaphthalene-d10	11.79	152	363	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.58	330	62	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.69	172	687	0.07	ng	0.00
25) Fluoranthene-d10	18.84	212	957	0.05	ng	-0.02
29) Terphenyl-d14	19.47	244	919	0.06	ng	-0.01

Target Compounds					Qvalue
9) Naphthalene	10.23	128	3864	0.344 ng	99
12) 2-Methylnaphthalene	11.87	142	1132	0.147 ng	98
16) Acenaphthylene	13.77	152	6728	0.580 ng	99
17) Acenaphthene	14.11	154	824	0.101 ng	97
18) Fluorene	15.12	166	1798	0.167 ng	95
23) Phenanthrene	16.85	178	28800	1.616 ng	99
24) Anthracene	16.94	178	6156	0.409 ng	98
26) Fluoranthene	18.87	202	47902	2.244 ng	99
28) Pyrene	19.24	202	53838	2.298 ng	97
30) Benzo(a)anthracene	21.00	228	29978	1.464 ng	97
31) Chrysene	21.06	228	27910	1.178 ng	97
32) Bis(2-ethylhexyl)phthalate	20.96	149	449	0.045 ng	95
33) Indeno(1,2,3-cd)pyrene	25.18	276	16122	0.654 ng	98
35) Benzo(b)fluoranthene	22.51	252	34230m	1.502 ng	
36) Benzo(k)fluoranthene	22.55	252	11749m	0.473 ng	
37) Benzo(a)pyrene	23.04	252	26292m	1.264 ng	
38) Dibenzo(a,h)anthracene	25.18	278	4300	0.210 ng	93
39) Benzo(a,h,i)perylene	25.80	276	17058	0.782 ng	97

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

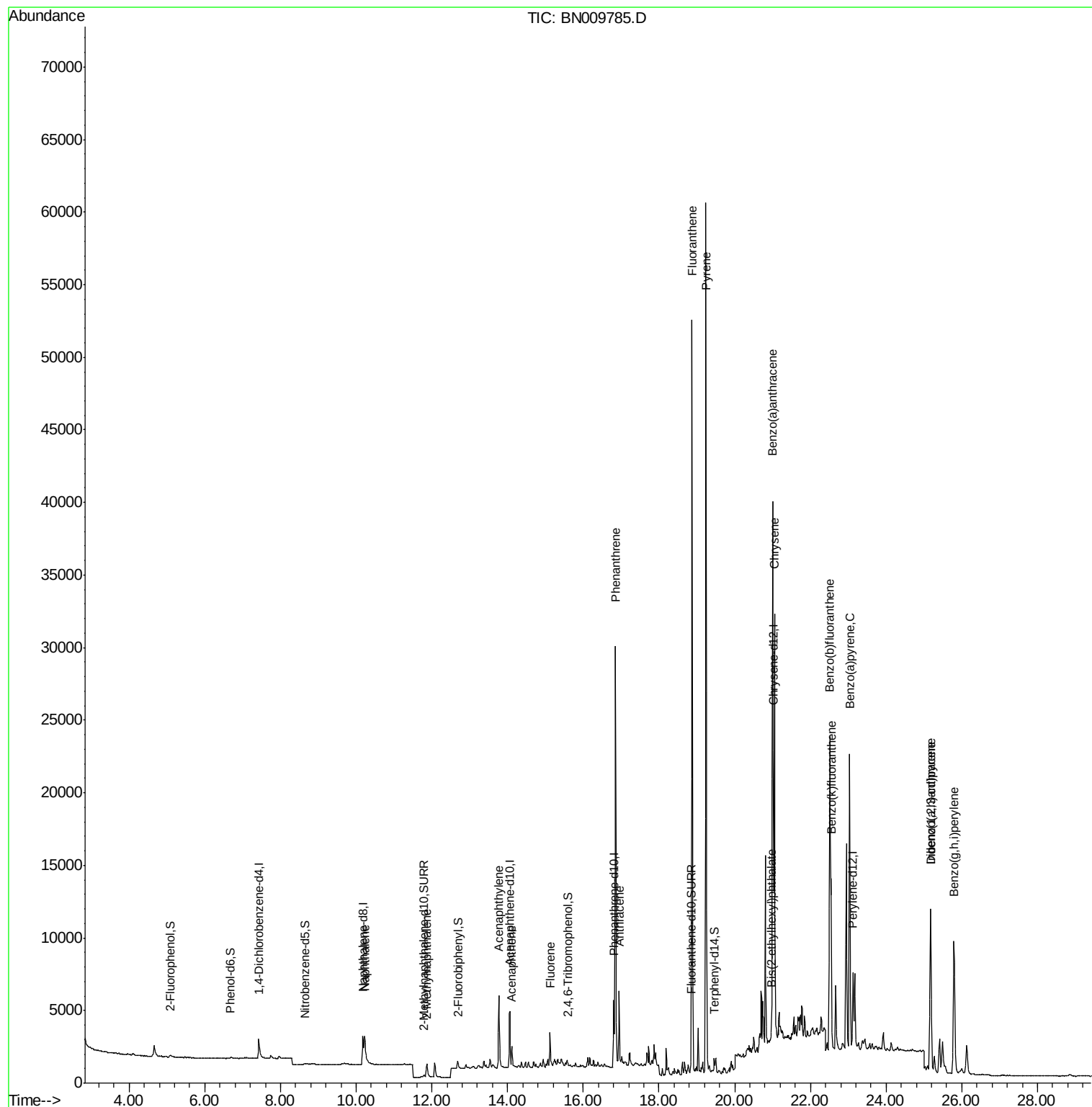
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
Data File : BN009785.D
Acq On : 19 Feb 2020 19:46
Operator : CG/JU
Sample : L1468-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

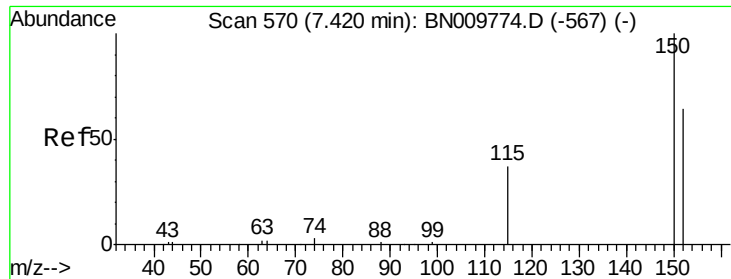
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

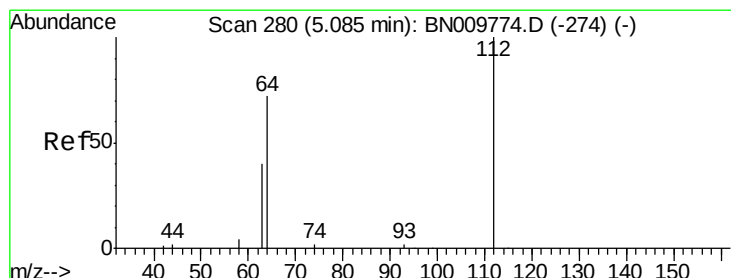
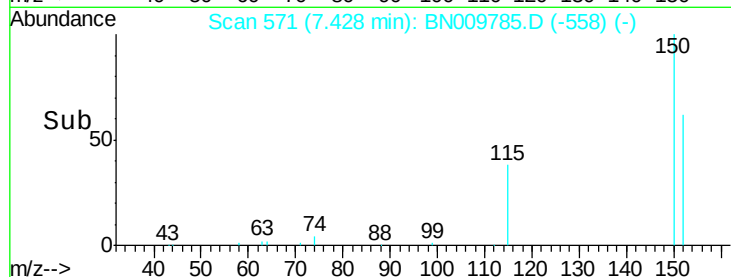
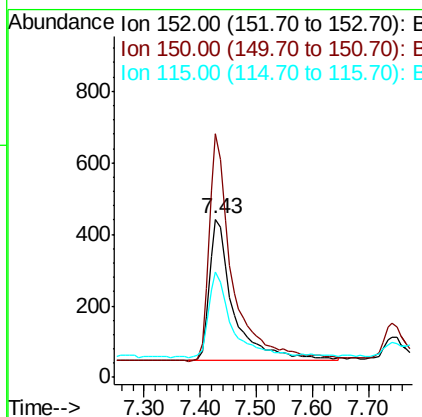
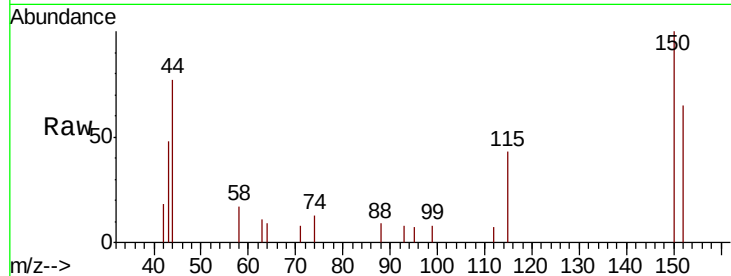
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	120.6	181.0
115	66.8	51.2	76.8

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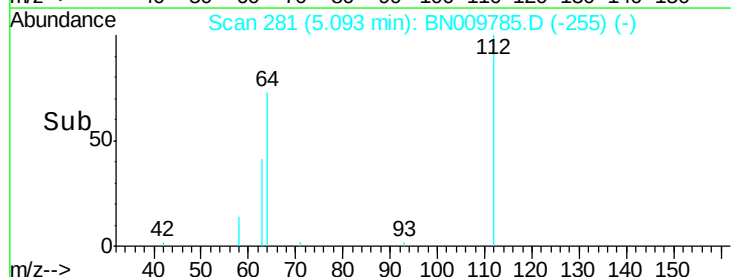
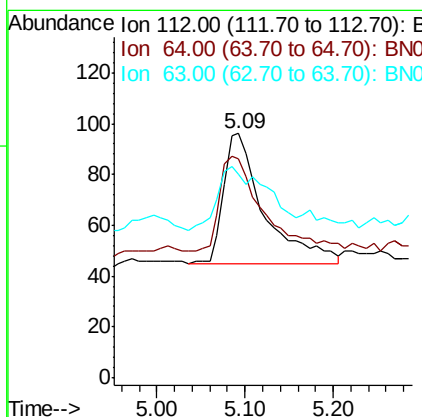
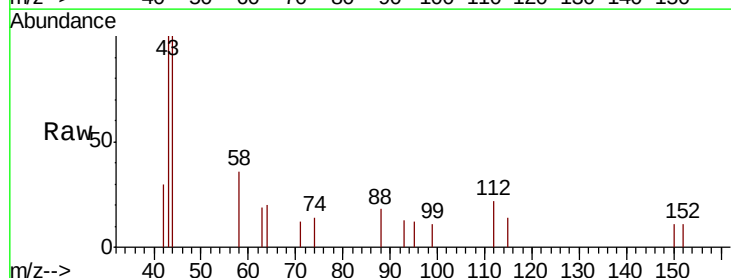
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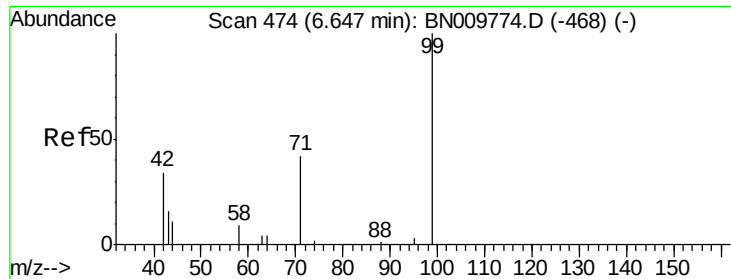


#4

2-Fluorophenol
Concen: 0.064 ng
RT: 5.09 min Scan# 281
Delta R.T. 0.01 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.3	65.8	98.6
63	60.1	38.7	58.1#





#5

Phenol-d6

Concen: 0.063 ng

RT: 6.69 min Scan# 479

Delta R.T. 0.04 min

Lab File: BN009785.D

Acq: 19 Feb 2020 19:46

Instrument :

BNA_N

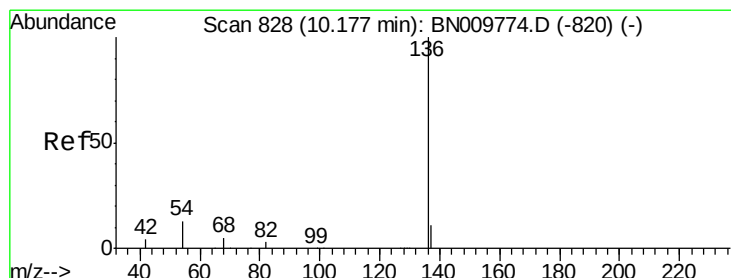
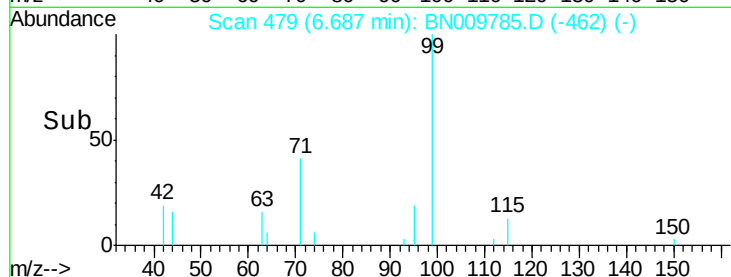
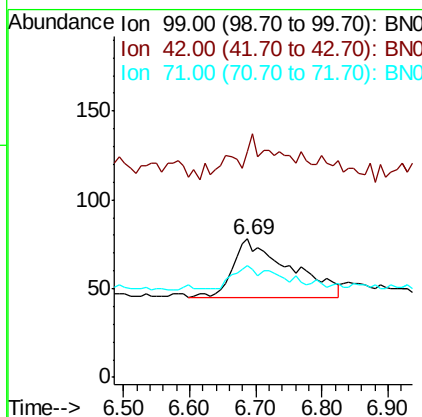
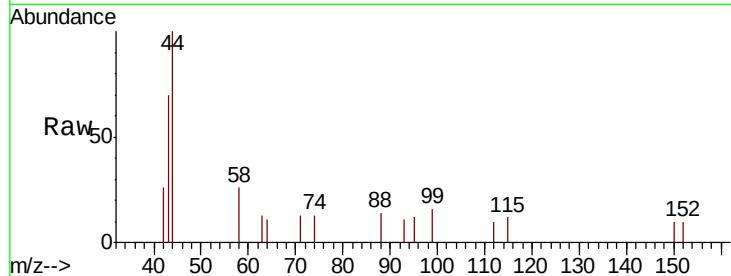
ClientSampleId :

TP11-EP2-3

Tot Ion:	99	Resp:	196
Ion	Ratio	Lower	Upper
99	100		
42	10.7	30.8	46.2#
71	15.8	34.9	52.3#

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#7

Naphthalene-d8

Concen: 0.400 ng

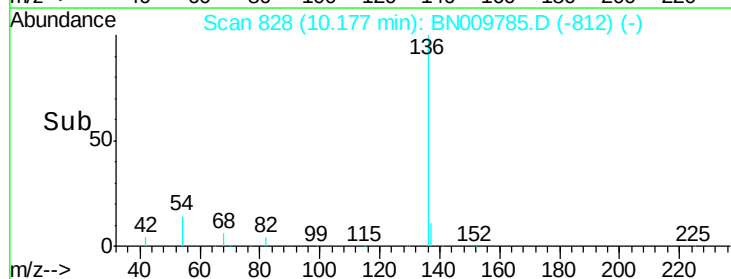
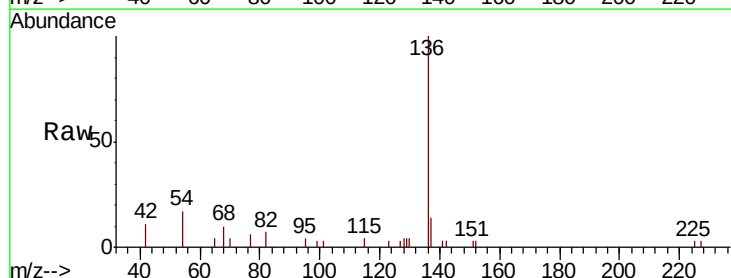
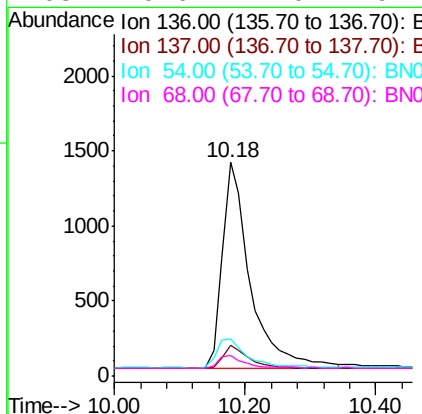
RT: 10.18 min Scan# 828

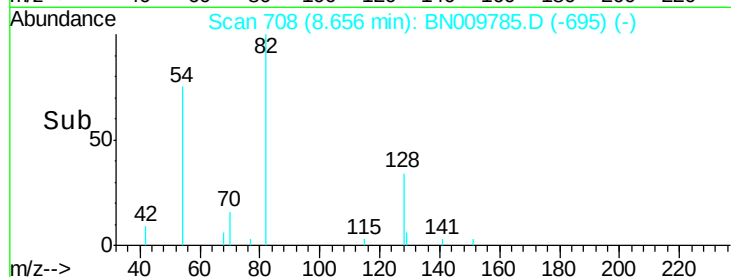
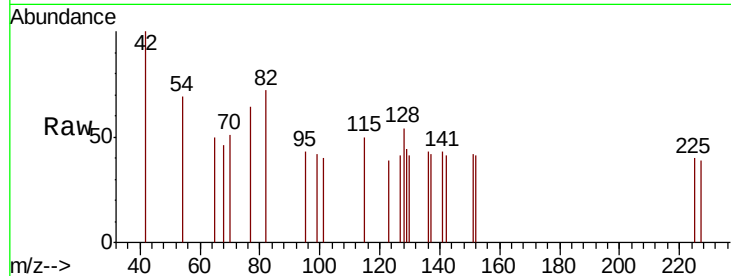
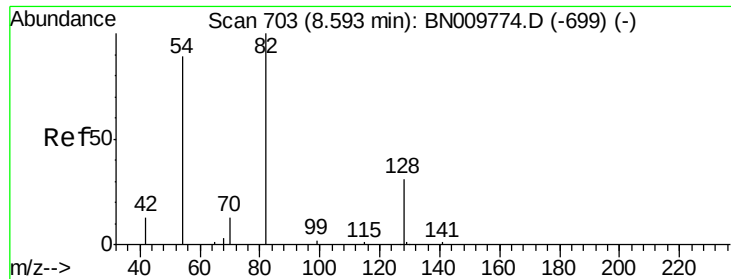
Delta R.T. -0.00 min

Lab File: BN009785.D

Acq: 19 Feb 2020 19:46

Tgt Ion:	136	Resp:	4117
Ion	Ratio	Lower	Upper
136	100		
137	14.3	11.3	16.9
54	17.3	13.4	20.2
68	9.6	7.0	10.4





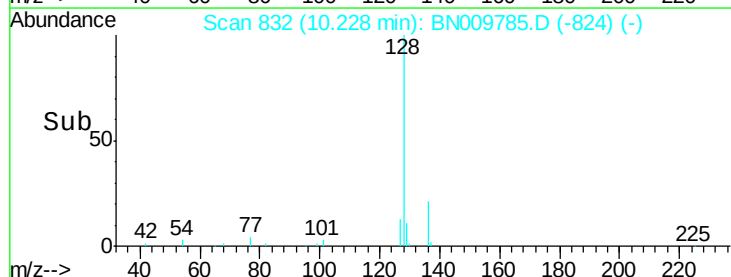
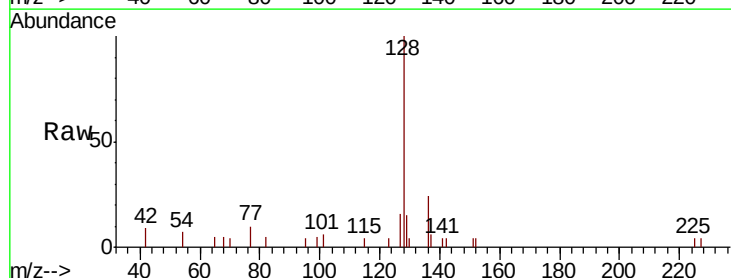
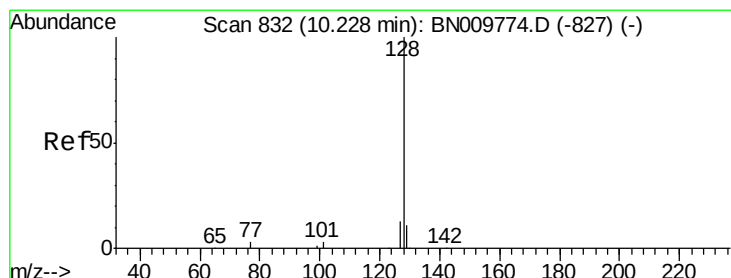
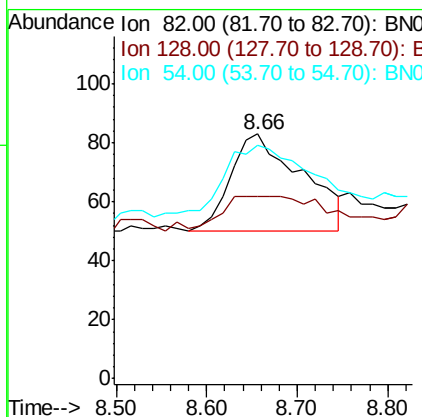
#8
Nitrobenzene-d5
Concen: 0.053 ng
RT: 8.66 min Scan# 708
Delta R.T. 0.06 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tot Ion	Ratio	Lower	Upper
82	100		
128	74.7	32.5	48.7#
54	95.2	73.5	110.3

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

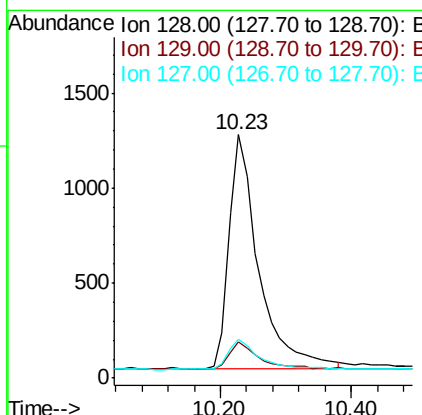
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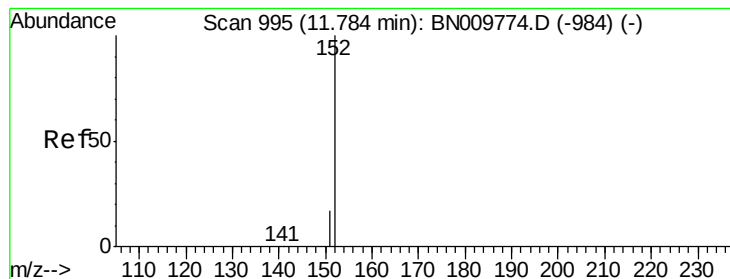
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#9
Naphthalene
Concen: 0.344 ng
RT: 10.23 min Scan# 832
Delta R.T. -0.00 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.8	11.1	16.7
127	16.1	12.6	19.0





#11

2-Methylnaphthalene-d10

Concen: 0.046 ng

RT: 11.79 min Scan# 997

Delta R.T. 0.01 min

Lab File: BN009785.D

Acq: 19 Feb 2020 19:46

Instrument :

BNA_N

ClientSampleId :

TP11-EP2-3

Tot Ion:152 Resp: 363

Ion Ratio Lower Upper

152 100

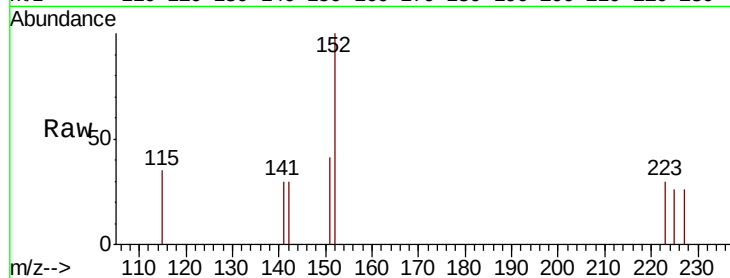
151 17.6 15.1 22.7

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.79

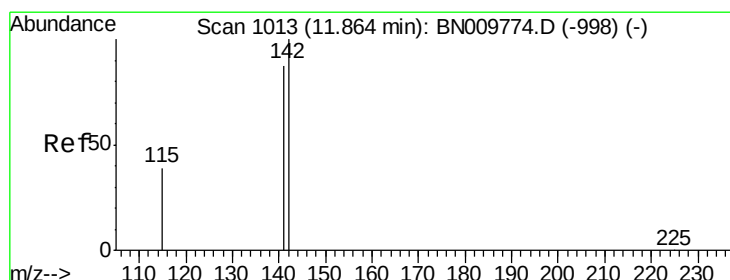
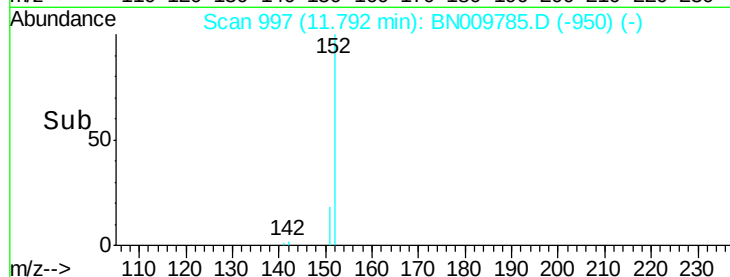
150

100

50

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.147 ng

RT: 11.87 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BN009785.D

Acq: 19 Feb 2020 19:46

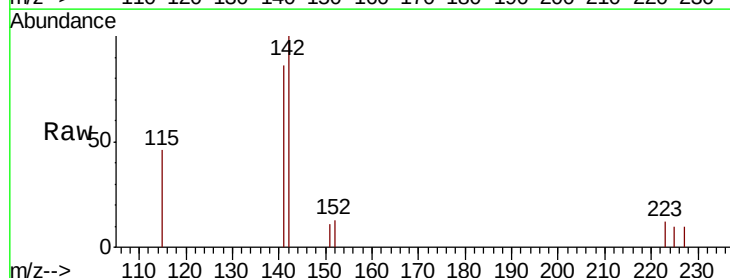
Tgt Ion:142 Resp: 1132

Ion Ratio Lower Upper

142 100

141 85.6 69.8 104.6

115 45.7 34.6 52.0



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

11.87

600

500

400

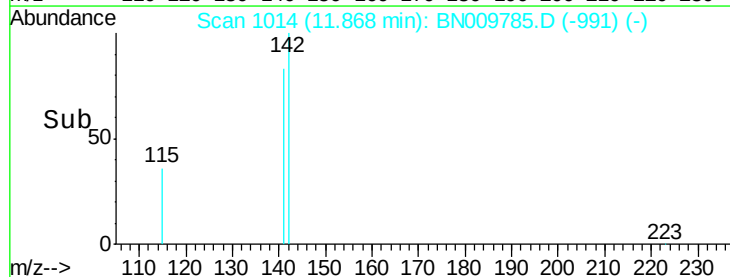
300

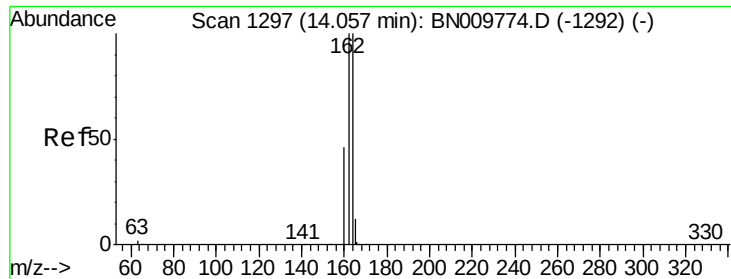
200

100

0

Time-->





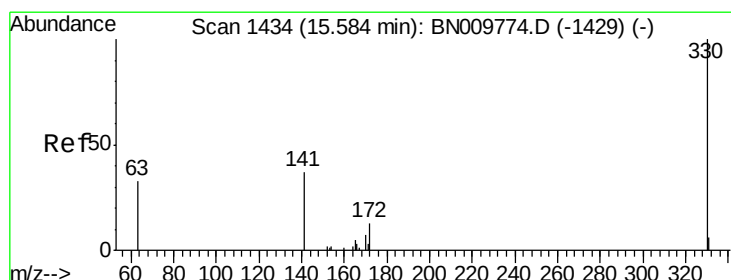
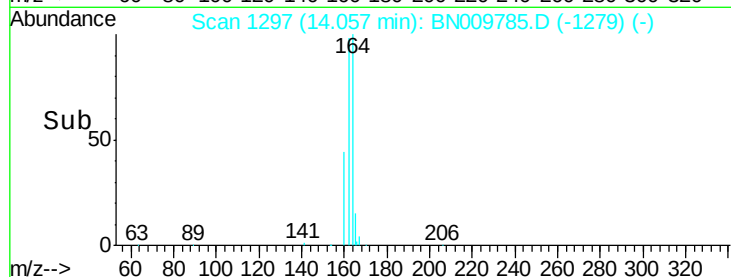
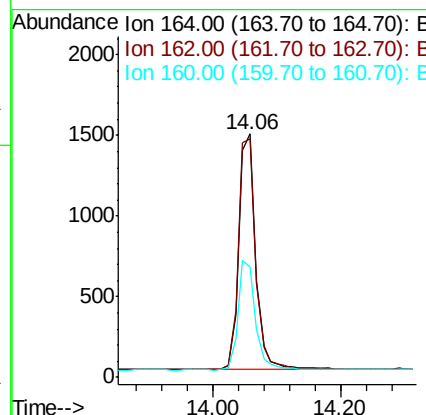
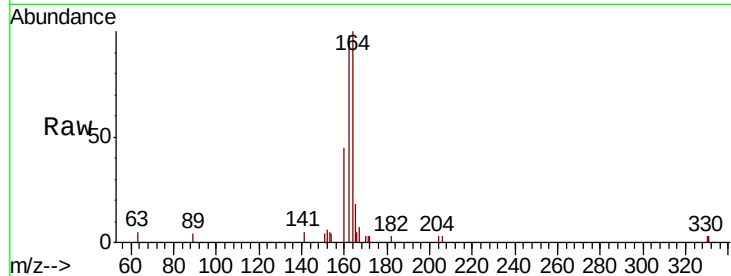
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

Tot Ion:	164	Resp:	2723
Ion Ratio	Lower	Upper	
164	100		
162	98.0	79.9	119.9
160	45.3	38.2	57.2

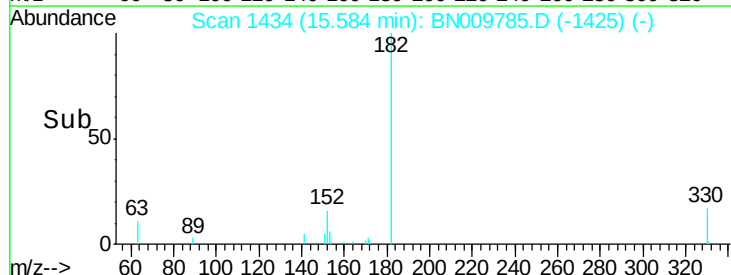
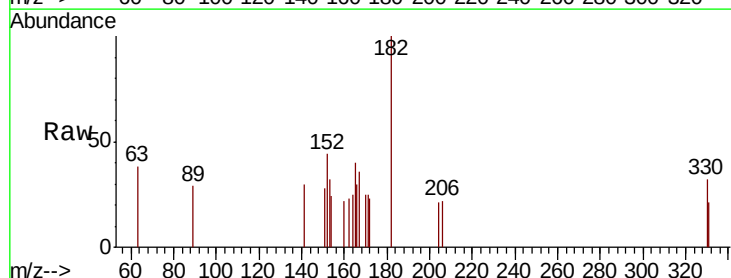
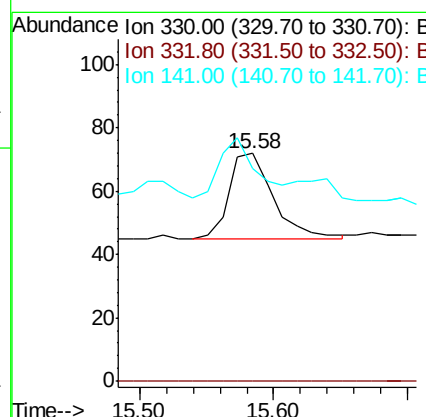
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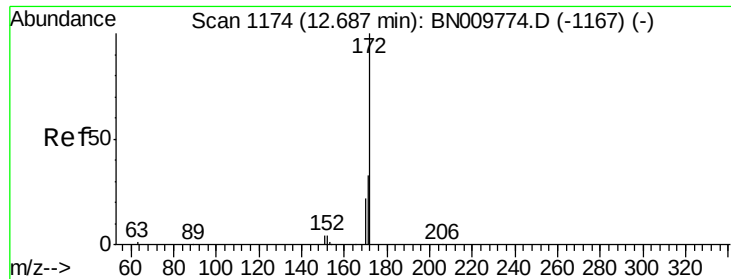
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#14
2,4,6-Tribromophenol
Concen: 0.059 ng
RT: 15.58 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion:	330	Resp:	62
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	56.5	36.8	55.2#





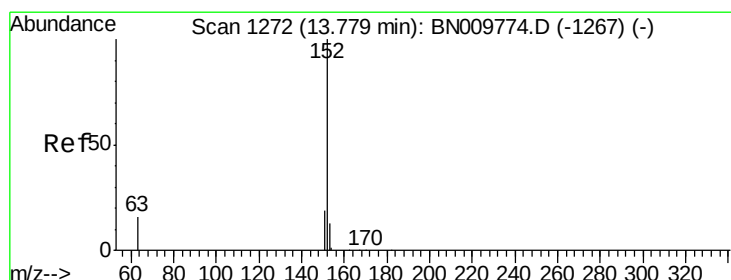
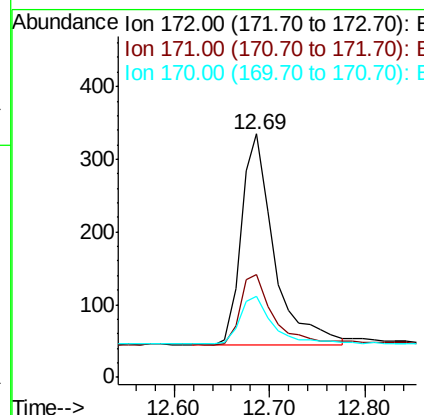
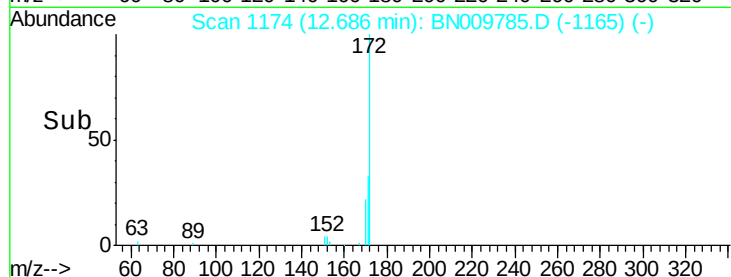
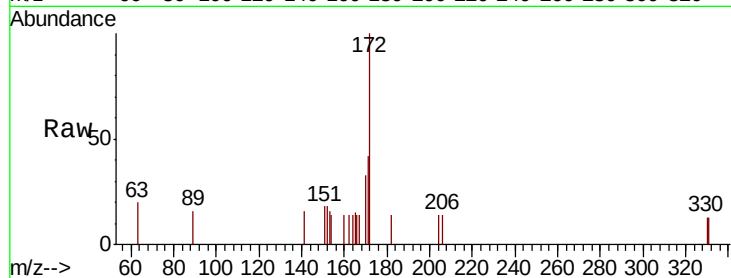
#15
2-Fluorobiphenyl
Concen: 0.067 ng
RT: 12.69 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

Tot Ion:	172	Resp:	687
Ion	Ratio	Lower	Upper
172	100		
171	42.4	28.7	43.1
170	33.4	20.1	30.1

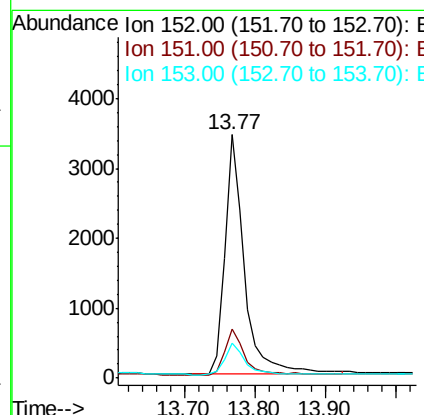
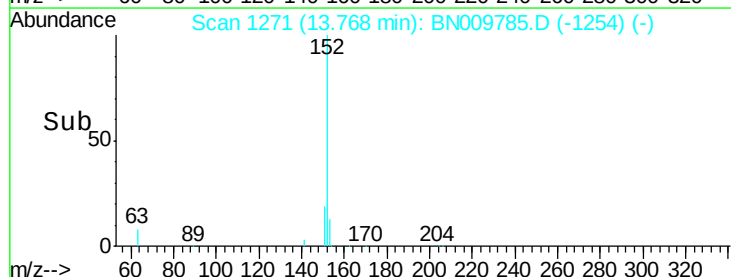
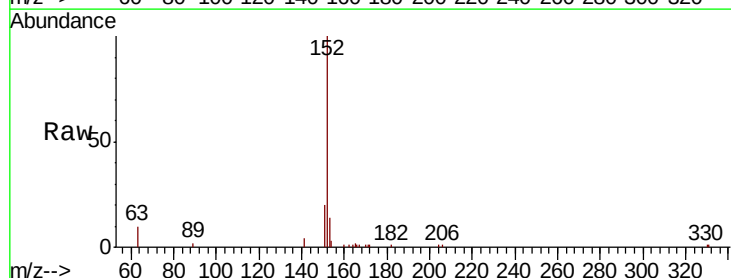
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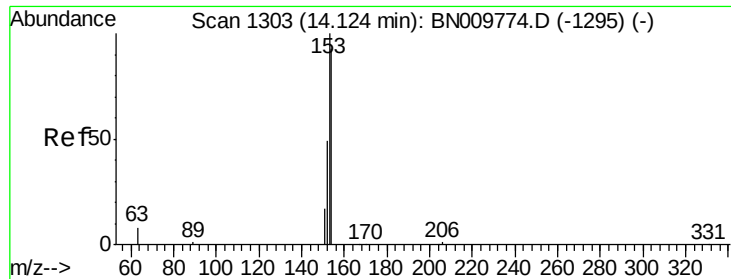
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#16
Acenaphthylene
Concen: 0.580 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion:	152	Resp:	6728
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.7	10.2	15.4





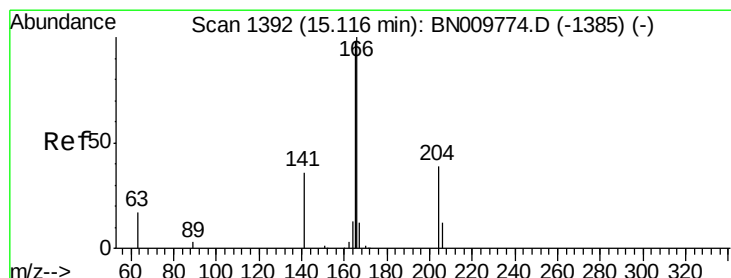
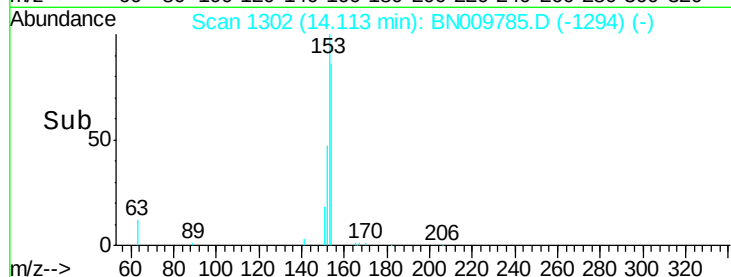
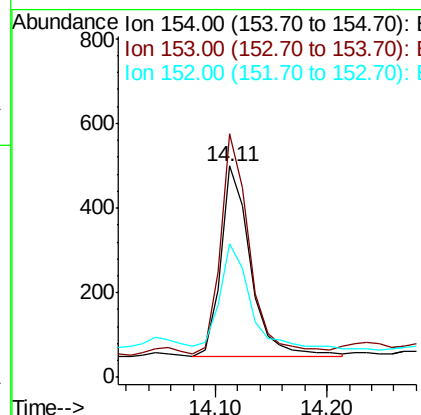
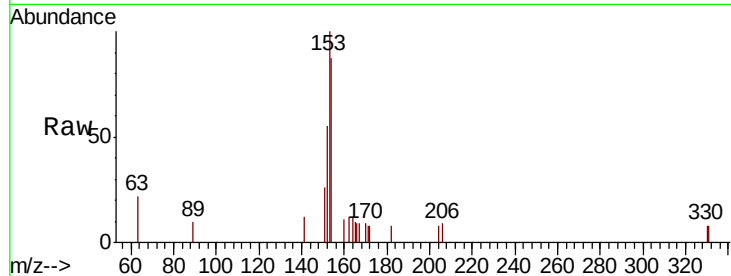
#17
Acenaphthene
Concen: 0.101 ng
RT: 14.11 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.6	88.9	133.3
152	59.7	44.2	66.2

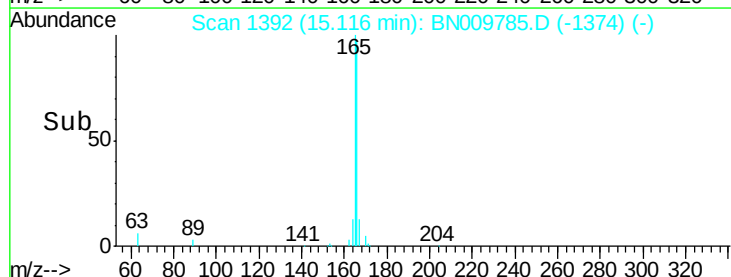
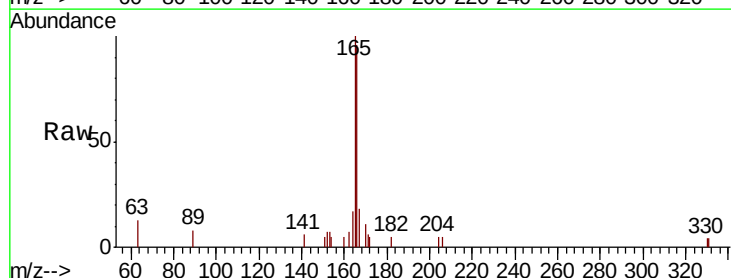
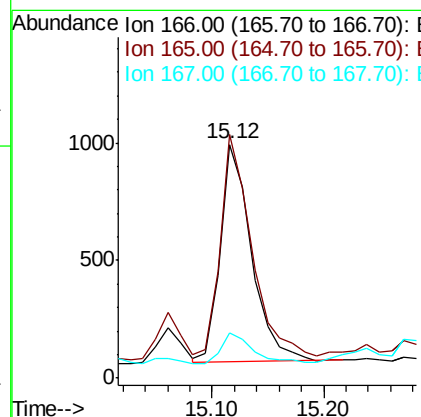
Manual Integrations
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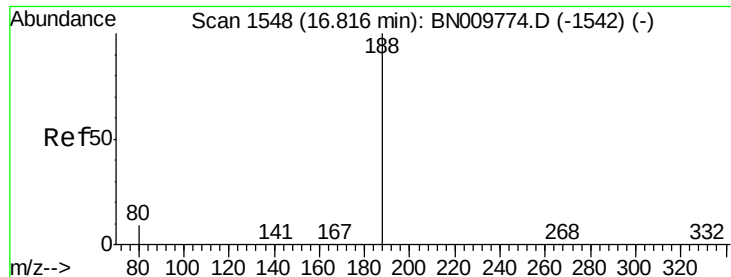
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#18
Fluorene
Concen: 0.167 ng
RT: 15.12 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.2	77.2	115.8
167	15.3	10.5	15.7





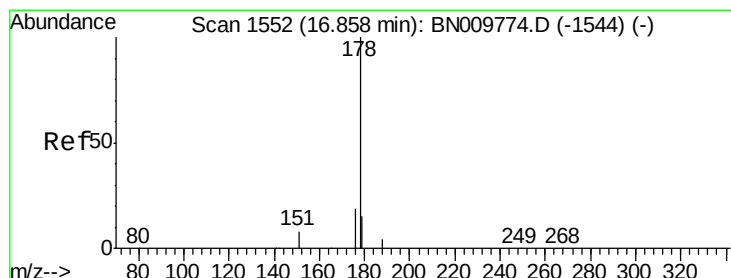
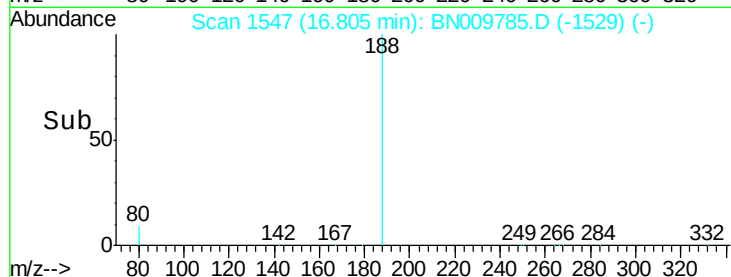
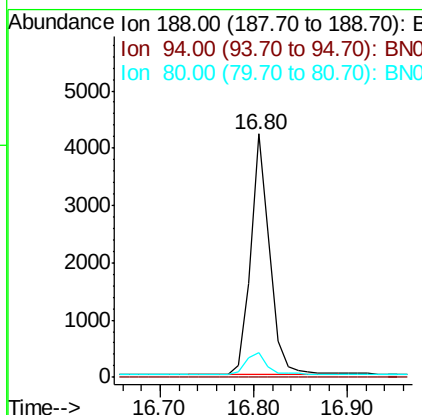
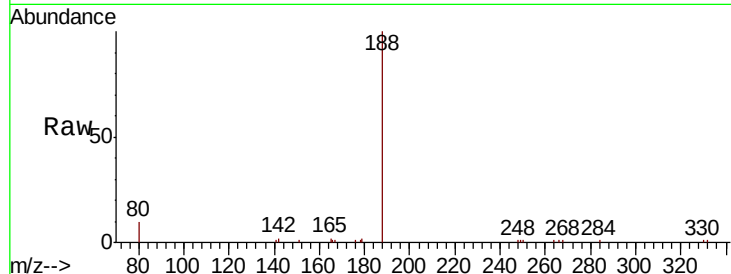
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	10.1	8.3	12.5

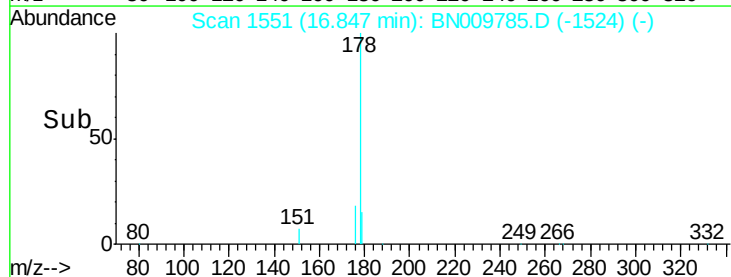
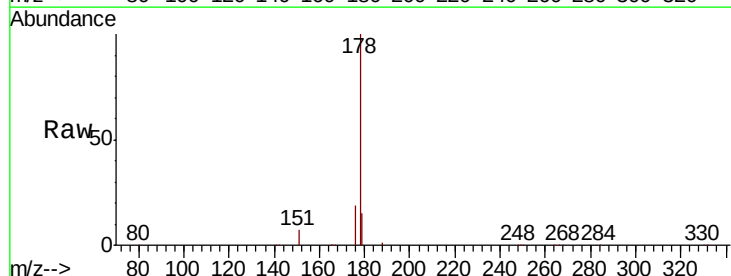
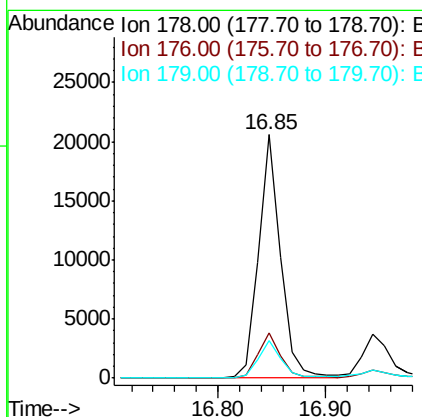
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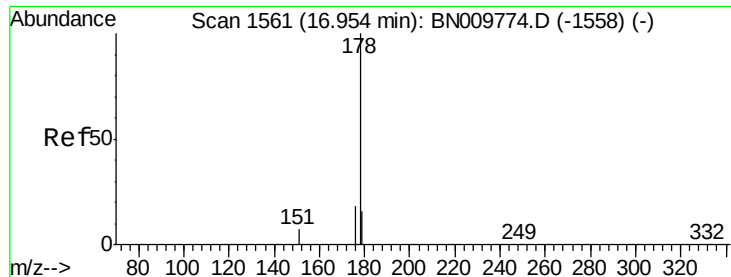
mohammad
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#23
Phenanthrene
Concen: 1.616 ng
RT: 16.85 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	15.3	22.9
179	15.5	12.4	18.6





#24

Anthracene

Concen: 0.409 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BN009785.D

Acq: 19 Feb 2020 19:46

Instrument :

BNA_N

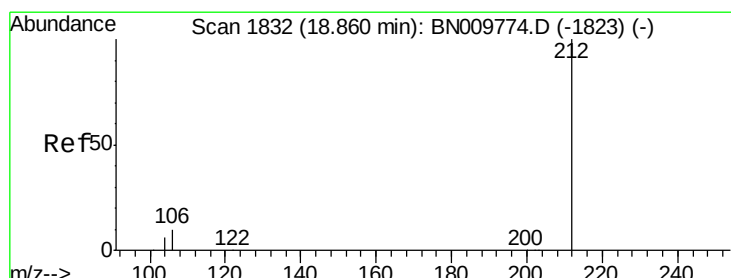
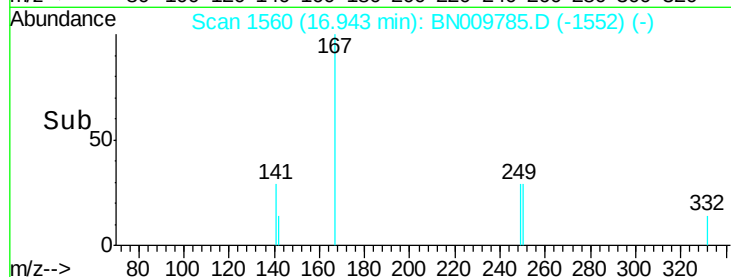
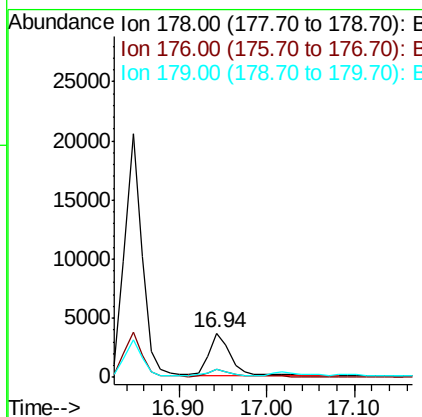
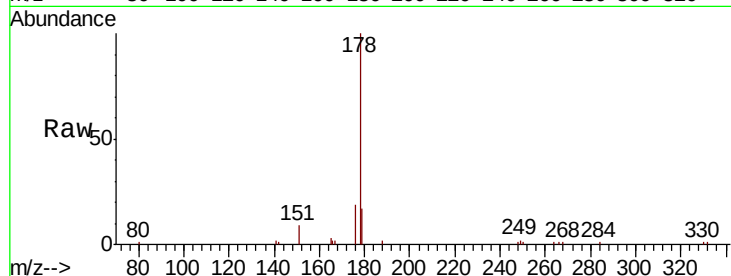
ClientSampled :

TP11-EP2-3

Tot Ion:	178	Resp:	6156
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.3	21.5
179	14.8	12.4	18.6

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#25

Fluoranthene-d10

Concen: 0.046 ng

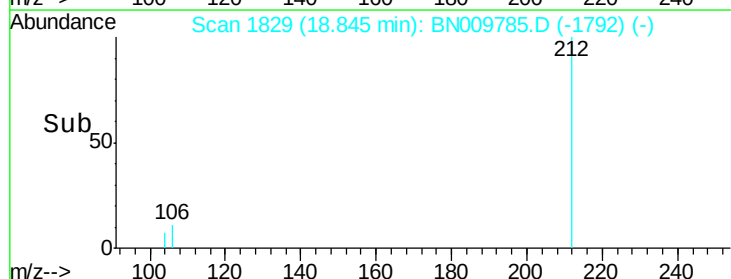
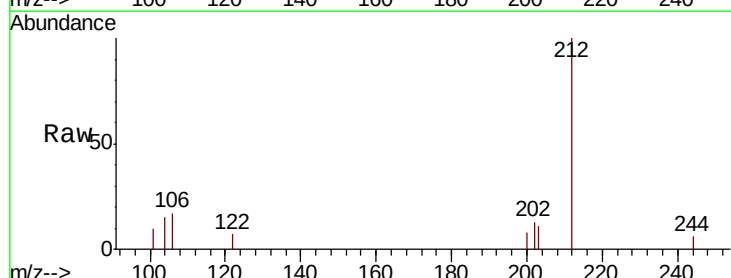
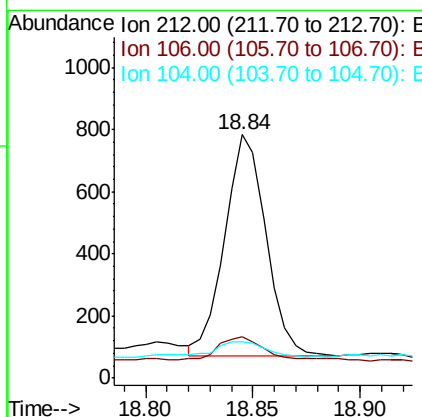
RT: 18.84 min Scan# 1829

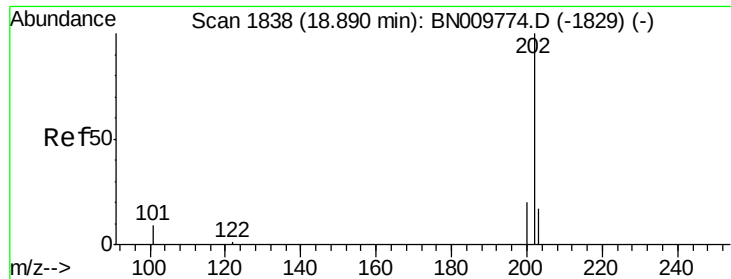
Delta R.T. -0.02 min

Lab File: BN009785.D

Acq: 19 Feb 2020 19:46

Tgt Ion:	212	Resp:	957
Ion Ratio	Lower	Upper	
212	100		
106	10.7	8.4	12.6
104	9.9	4.8	7.2#





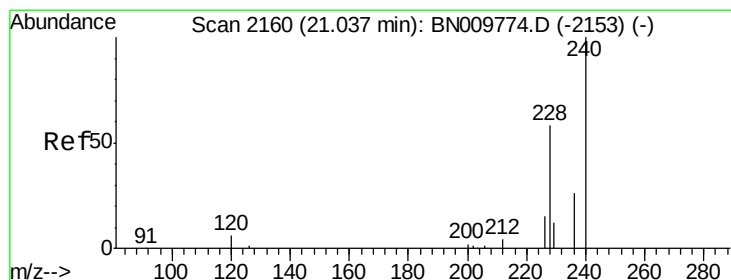
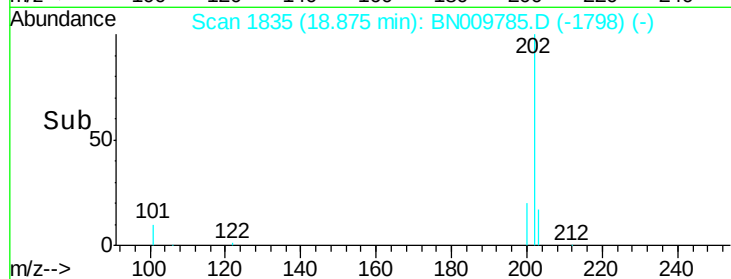
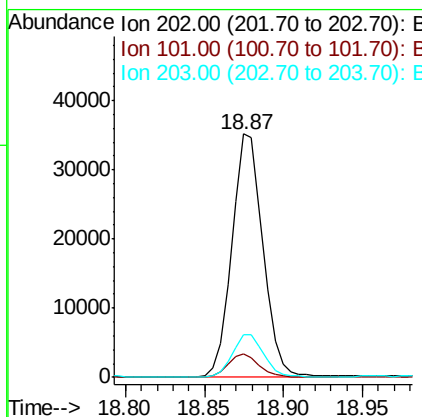
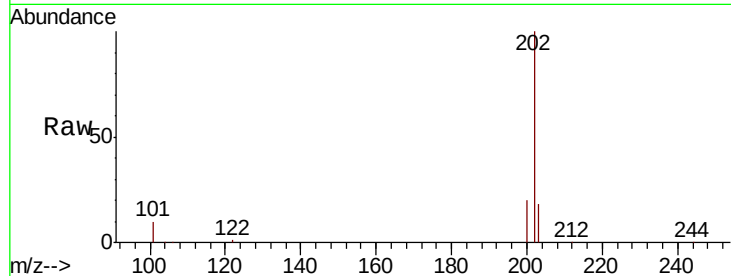
#26
Fluoranthene
Concen: 2.244 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.1	10.7
203	17.4	13.8	20.6

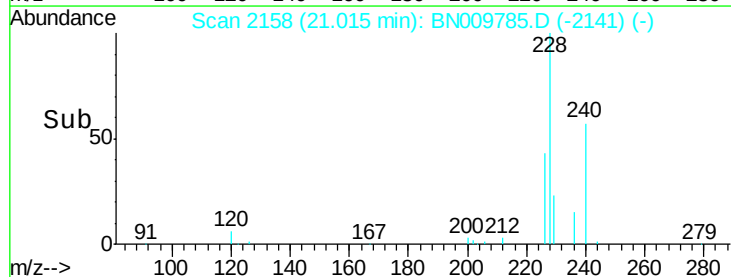
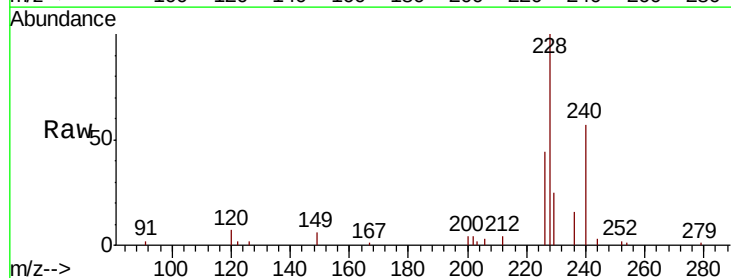
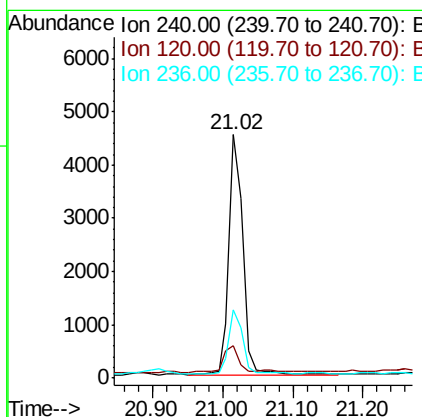
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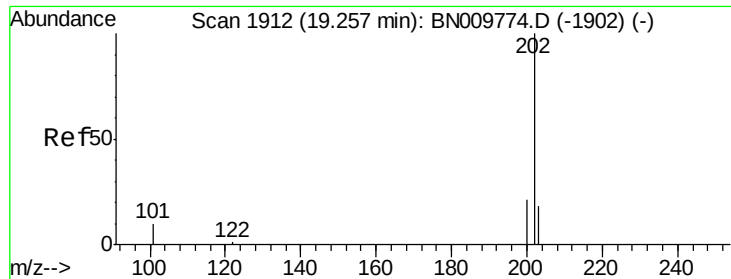
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	7.9	11.9#
236	28.2	22.0	33.0





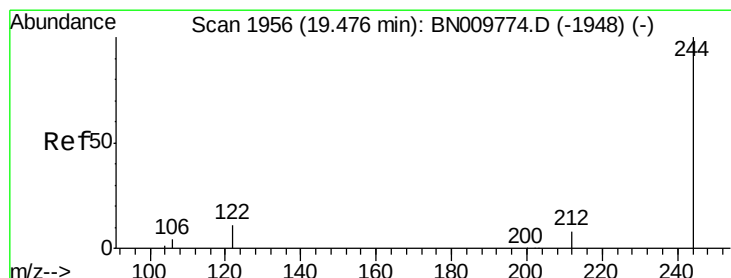
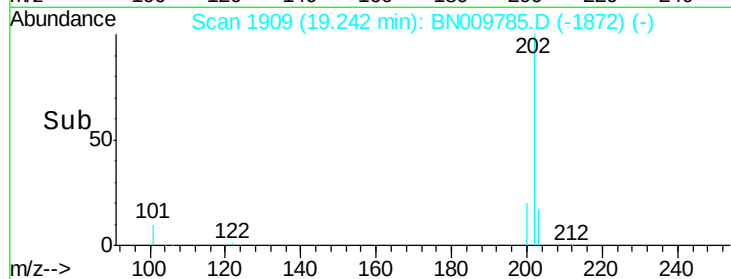
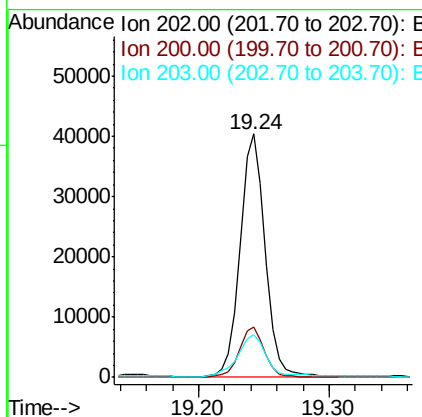
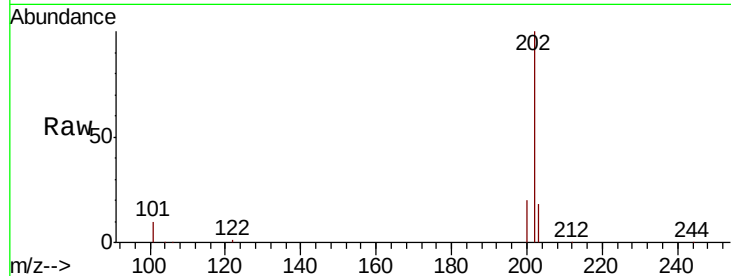
#28
Pvrene
Concen: 2.298 ng
RT: 19.24 min Scan# 1909
Delta R.T. -0.02 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampled :
TP11-EP2-3

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	16.4	24.6	
203	20.3	13.9	20.9	

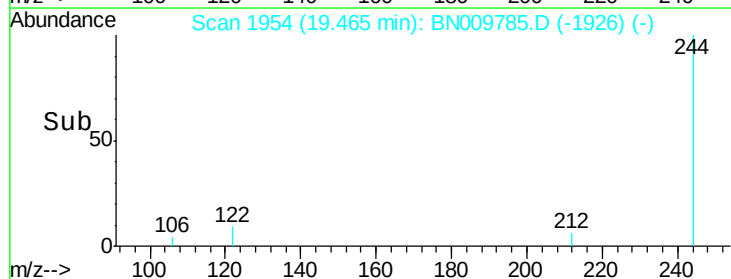
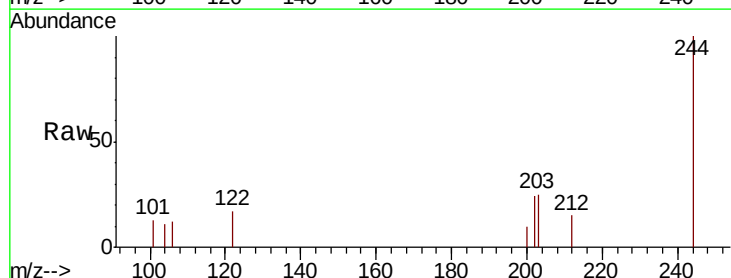
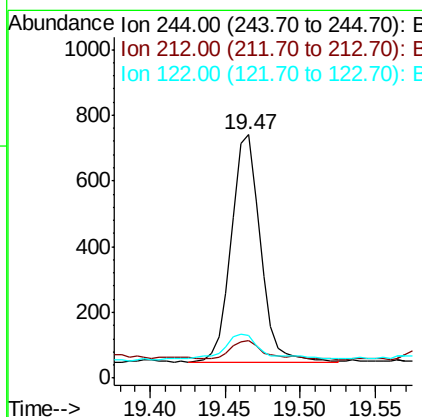
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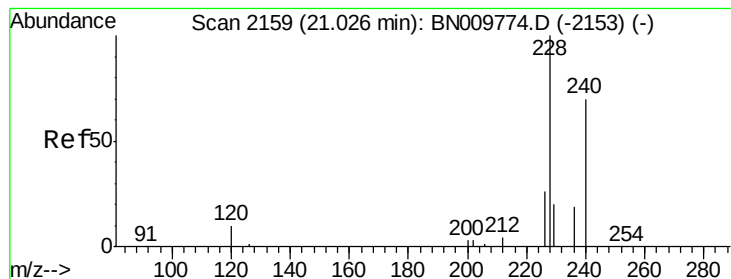
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#29
Terphenyl-d14
Concen: 0.062 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	15.2	8.0	12.0#	
122	17.4	10.0	15.0#	





#30

Benzo(a)anthracene

Concen: 1.464 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BN009785.D

Acq: 19 Feb 2020 19:46

Instrument :

BNA_N

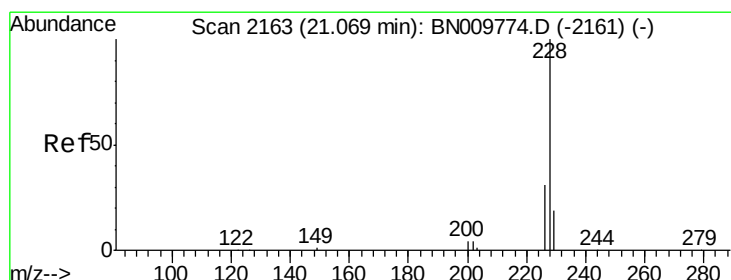
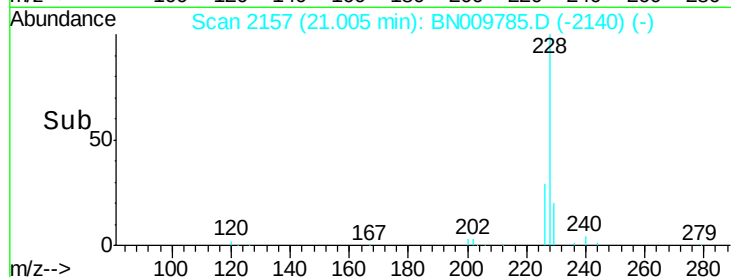
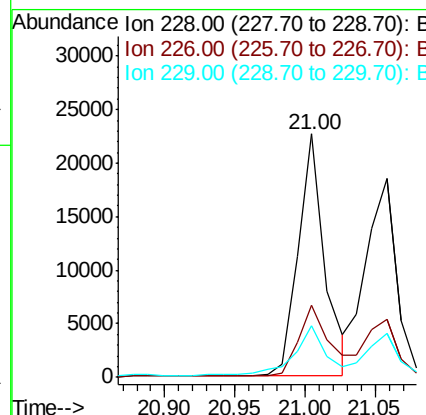
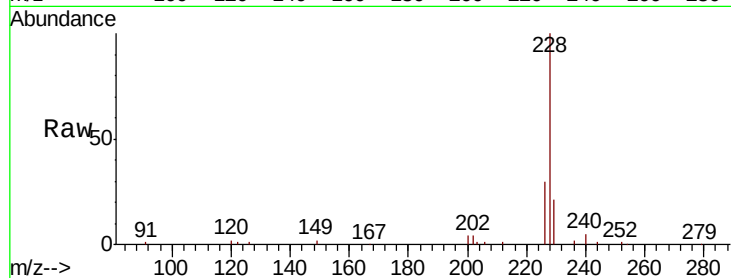
ClientSampleId :

TP11-EP2-3

Tot Ion:	228	Resp:	29978
Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.8	32.8
229	20.9	17.1	25.7

Manual Integrations
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#31

Chrysene

Concen: 1.178 ng

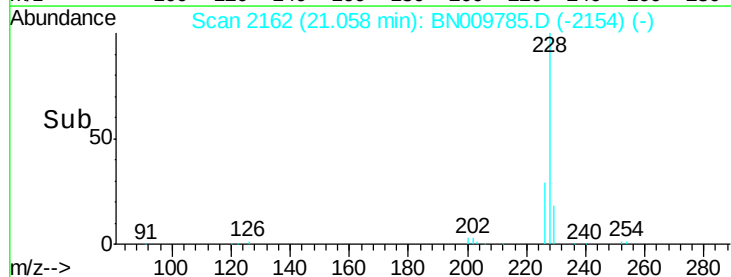
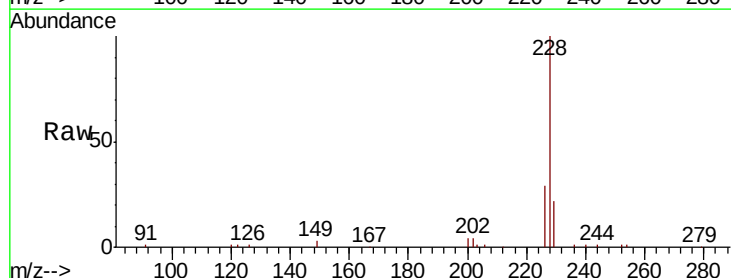
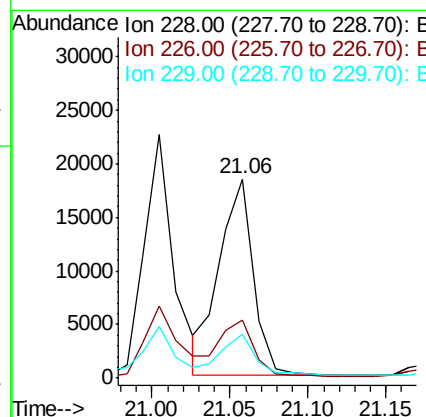
RT: 21.06 min Scan# 2162

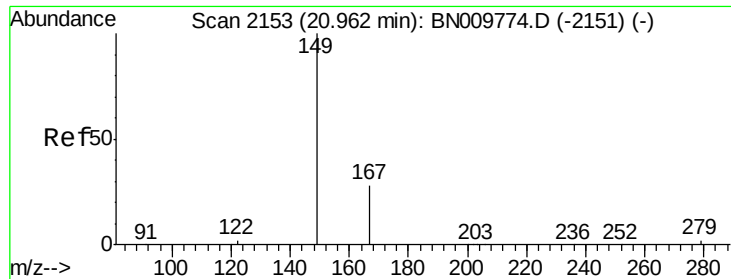
Delta R.T. -0.01 min

Lab File: BN009785.D

Acq: 19 Feb 2020 19:46

Tgt Ion:	228	Resp:	27910
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.8	37.2
229	22.4	16.4	24.6





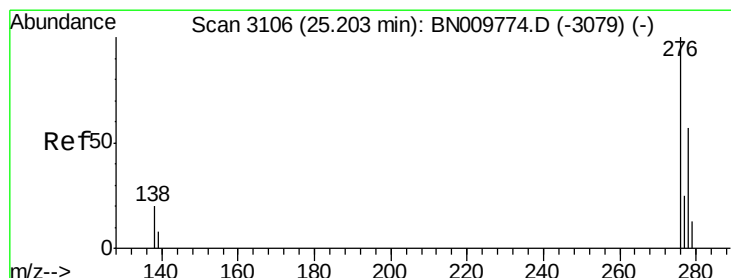
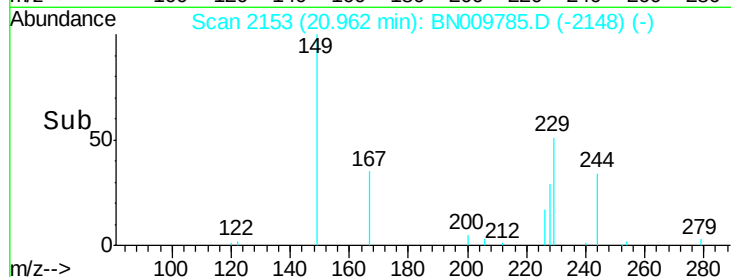
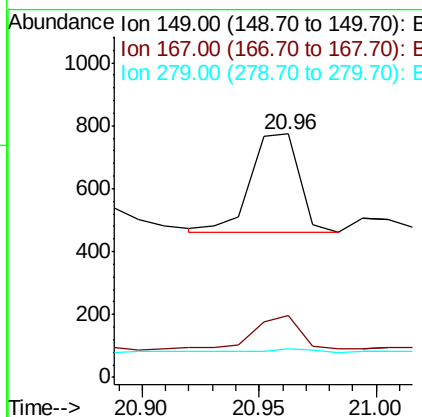
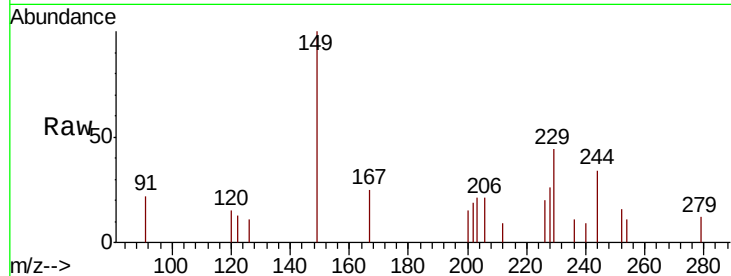
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.045 ng
 RT: 20.96 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: BN009785.D
 Acq: 19 Feb 2020 19:46

Instrument :
 BNA_N
 ClientSampled :
 TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.4	22.7	34.1
279	4.0	3.1	4.7

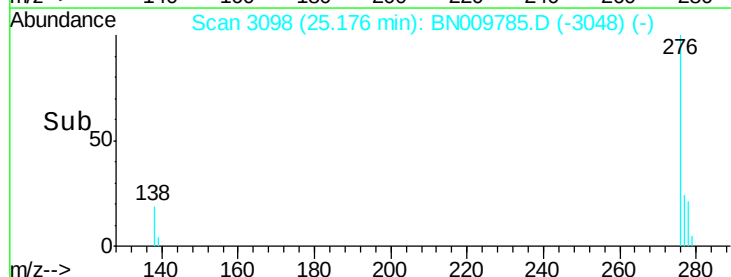
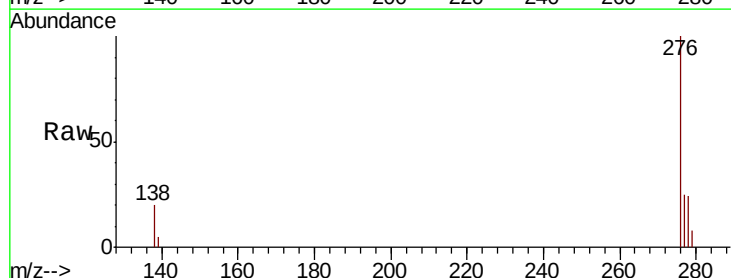
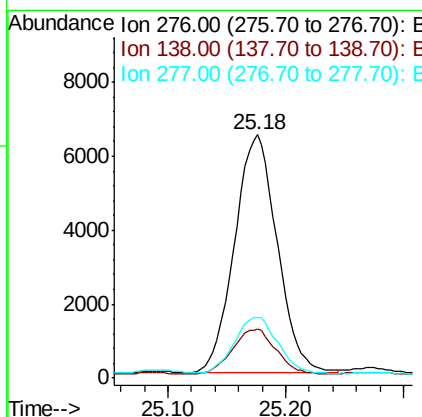
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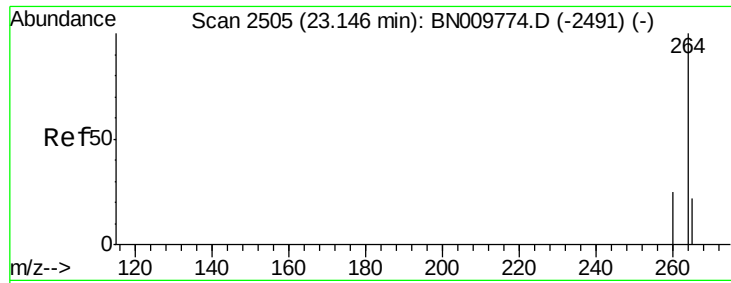
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.654 ng
 RT: 25.18 min Scan# 3098
 Delta R.T. -0.03 min
 Lab File: BN009785.D
 Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	15.8	23.6
277	25.2	19.3	28.9





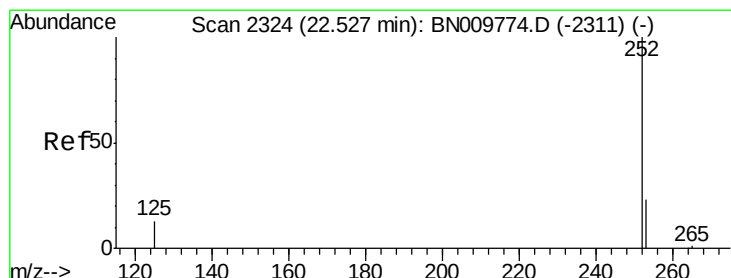
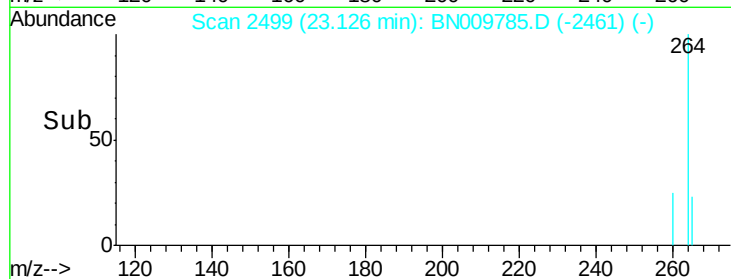
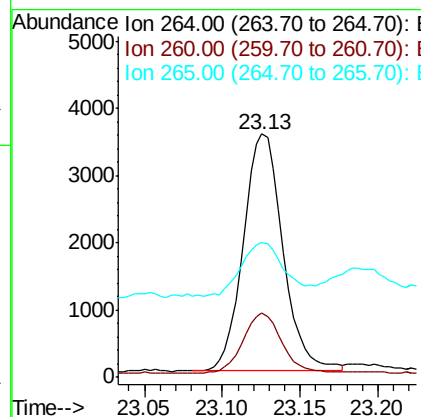
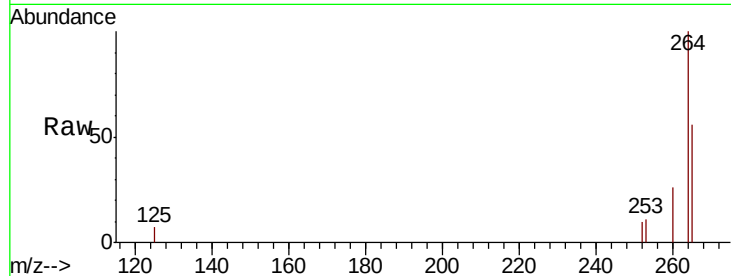
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2499
 Delta R.T. -0.02 min
 Lab File: BN009785.D
 Acq: 19 Feb 2020 19:46

Instrument :
 BNA_N
 ClientSampled :
 TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.1	31.7
265	55.6	57.5	86.3

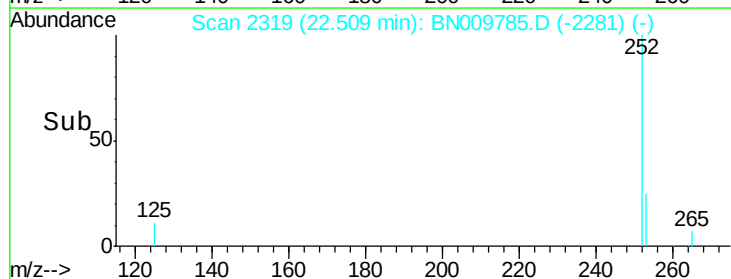
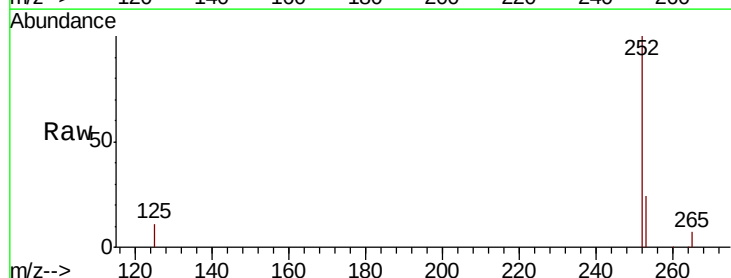
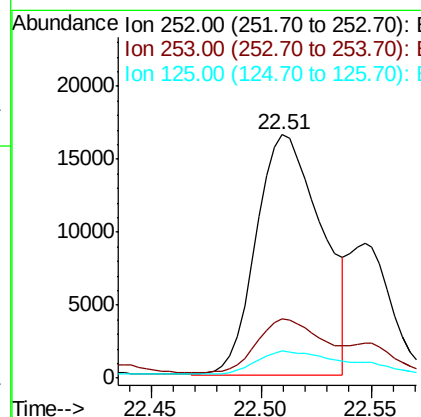
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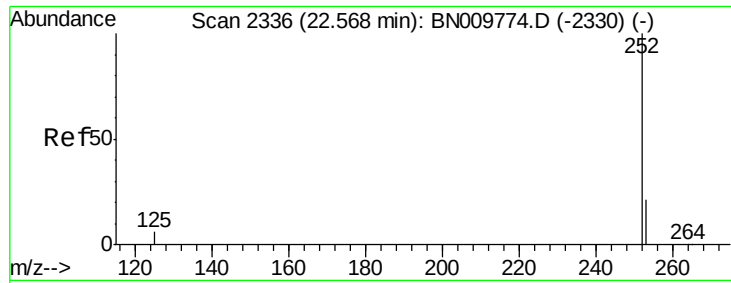
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#35
 Benzo(b)fluoranthene
 Concen: 1.502 ng m
 RT: 22.51 min Scan# 2319
 Delta R.T. -0.02 min
 Lab File: BN009785.D
 Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	23.0	34.6
125	11.0	14.4	21.6





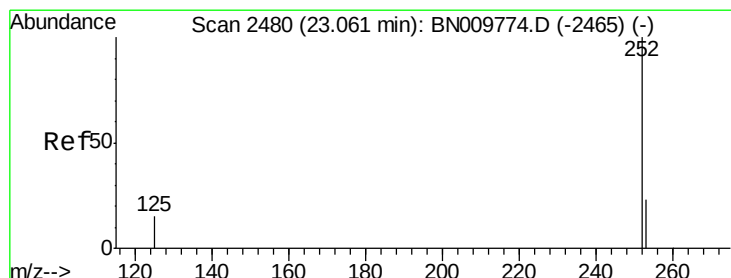
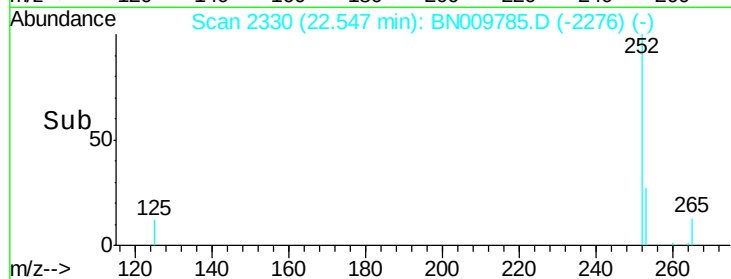
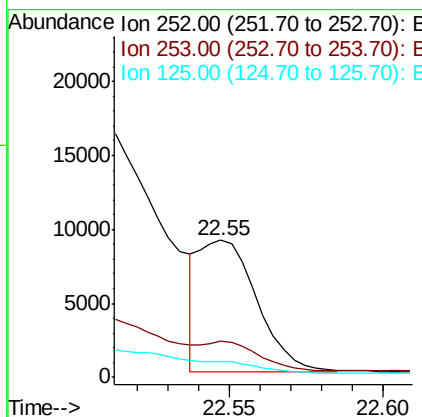
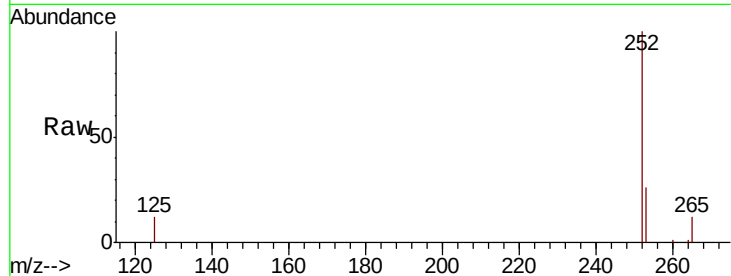
#36
Benzo(k)fluoranthene
Concen: 0.473 ng m
RT: 22.55 min Scan# 2330
Delta R.T. -0.02 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	22.2	33.2
125	11.8	10.5	15.7

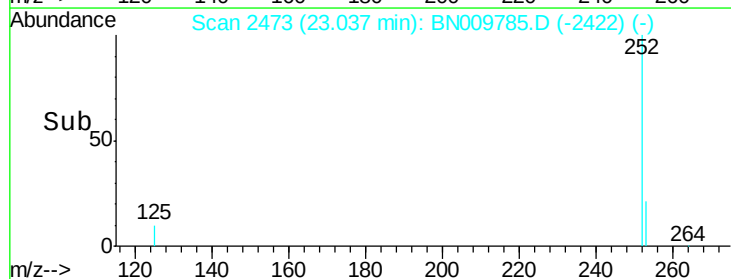
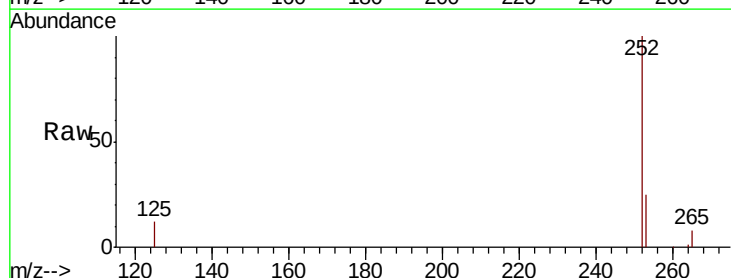
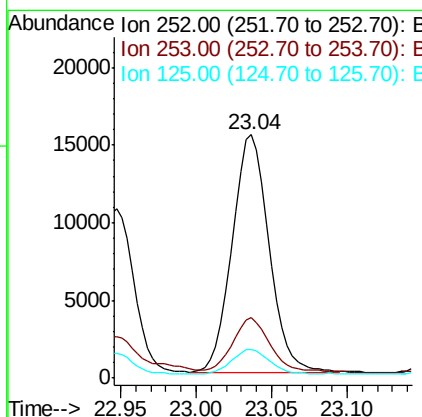
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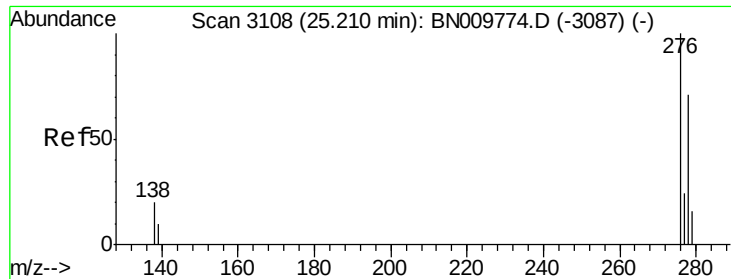
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#37
Benzo(a)pyrene
Concen: 1.264 ng m
RT: 23.04 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	25.3	37.9#
125	11.6	17.7	26.5#





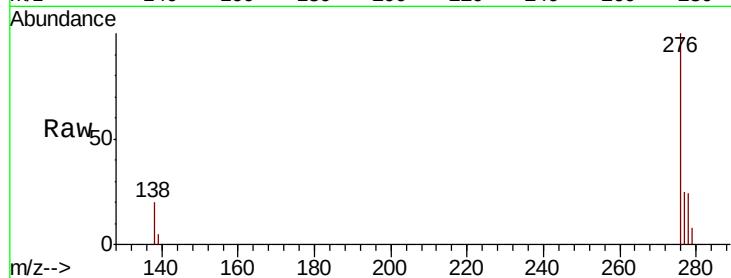
#38
Dibenzo(a,h)anthracene
Concen: 0.210 ng
RT: 25.18 min Scan# 3098
Delta R.T. -0.03 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Instrument :
BNA_N
ClientSampleId :
TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.5	14.5	21.7
279	34.3	24.3	36.5

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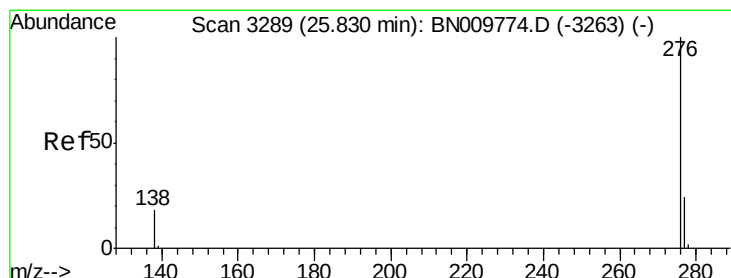
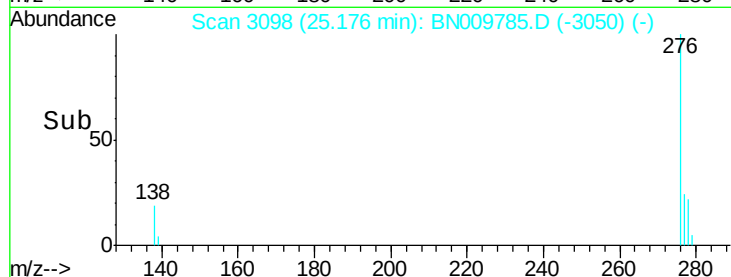
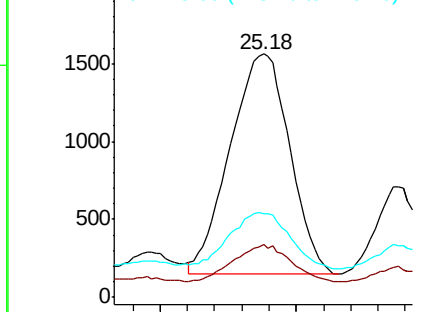


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 0.782 ng
RT: 25.80 min Scan# 3279
Delta R.T. -0.03 min
Lab File: BN009785.D
Acq: 19 Feb 2020 19:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.4	32.0
138	20.1	16.6	24.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

