

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
 Data File : BM026842.D
 Acq On : 22 Jul 2020 21:07
 Operator : JU/CG
 Sample : L3360-04RX
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-3RX

Manual Integrations
 APPROVED

Sohil
 7/24/2020 12:11:43 PM

Quant Time: Jul 23 03:09:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 14:16:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	97230	20.00	ng	0.00
21) Naphthalene-d8	10.05	136	332901	20.00	ng	0.00
39) Acenaphthene-d10	13.96	164	183643	20.00	ng	0.00
64) Phenanthrene-d10	16.72	188	389290	20.00	ng	0.00
76) Chrysene-d12	20.95	240	444654	20.00	ng	0.00
86) Perylene-d12	23.01	264	464381	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.94	112	82646	14.25	ng	0.00
7) Phenol-d6	6.51	99	384365	41.59	ng	0.00
23) Nitrobenzene-d5	8.45	82	400898	51.38	ng	0.00
42) 2,4,6-Tribromophenol	15.47	330	20356	7.61	ng	0.00
45) 2-Fluorobiphenyl	12.57	172	672664	48.70	ng	0.00
79) Terphenyl-d14	19.39	244	992185	43.91	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.44	163	73143	4.657	ng	Qvalue 100
71) Phenanthrene	16.77	178	372876	16.225	ng	99
72) Anthracene	16.85	178	89776	3.924	ng	100
73) Carbazole	17.14	167	52280	2.397	ng	98
75) Fluoranthene	18.79	202	1042448	36.828	ng	98
78) Pyrene	19.16	202	936273	33.425	ng	99
81) Benzo(a)anthracene	20.93	228	545731	18.271	ng	98
83) Chrysene	20.98	228	521633	17.943	ng	97
87) Indeno(1,2,3-cd)pyrene	25.01	276	289807	8.766	ng	95
88) Benzo(b)fluoranthene	22.41	252	625241m	20.434	ng	
89) Benzo(k)fluoranthene	22.45	252	229648m	7.652	ng	
90) Benzo(a)pyrene	22.92	252	453444	15.963	ng	# 95
91) Dibenzo(a,h)anthracene	25.01	278	76125	2.728	ng	# 76
92) Benzo(a,h,i)perylene	25.61	276	287768	11.191	ng	98

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

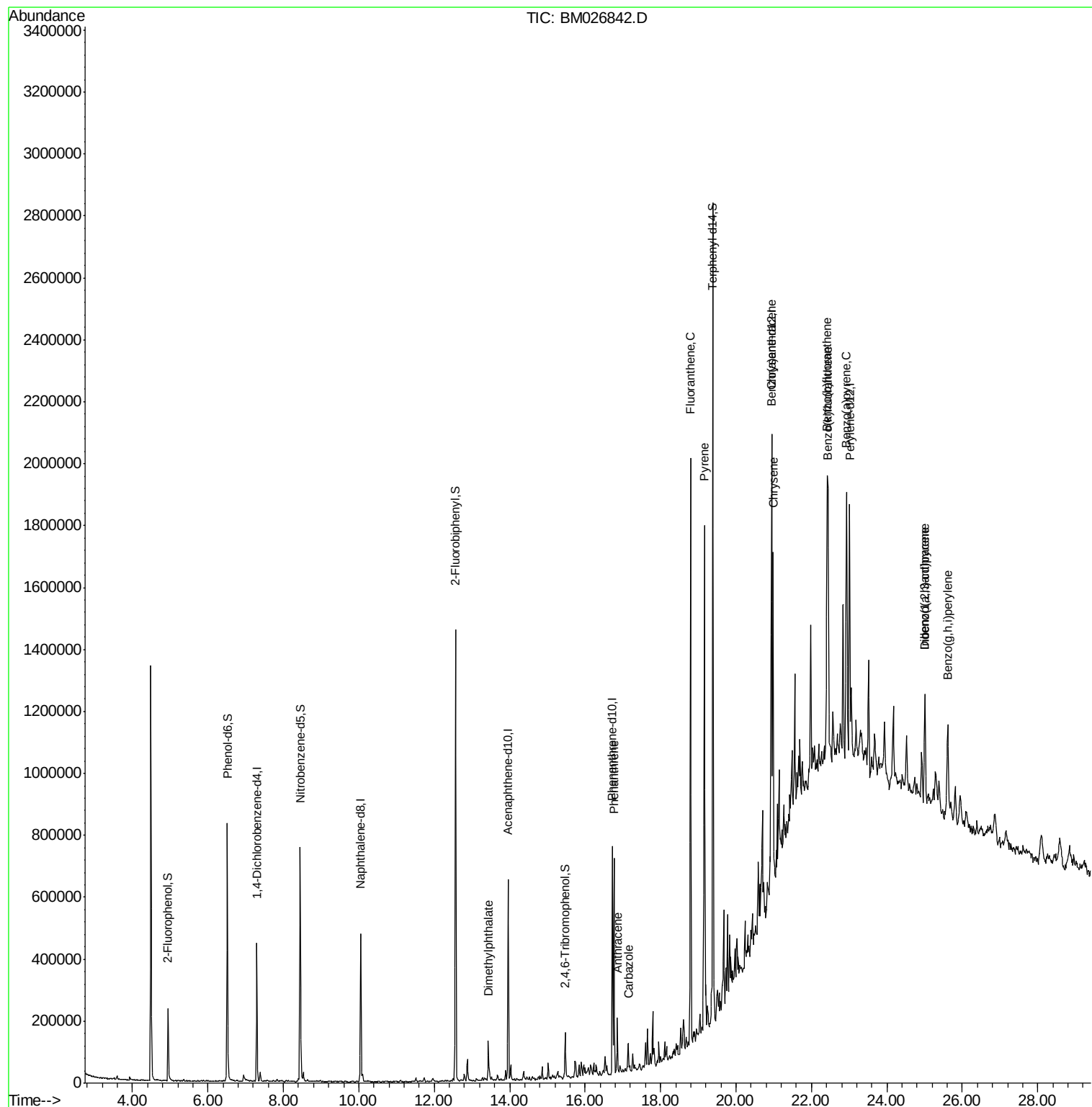
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
Data File : BM026842.D
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Operator : JU/CG
Sample : L3360-04RX
Misc :
ALS Vial : 14 Sample Multiplier: 1

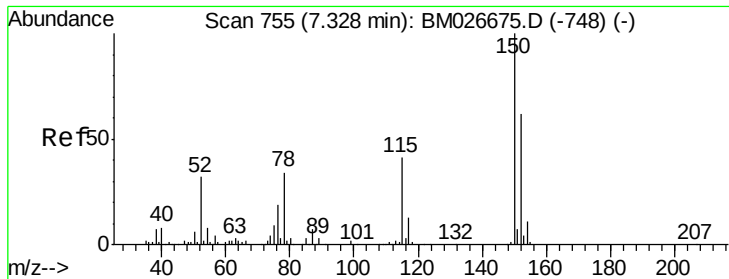
Instrument :
BNA_M
ClientSampleId :
SP-3RX

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

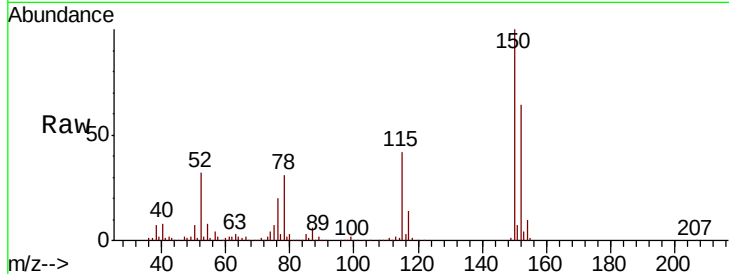
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.30 min Scan# 775
Delta R.T. -0.00 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Instrument :
BNA_M
ClientSampled :
SP-3RX

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.1	192.1
115	66.0	52.2	78.4

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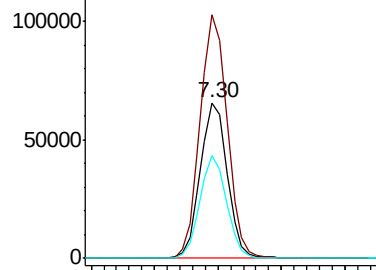


Abundance

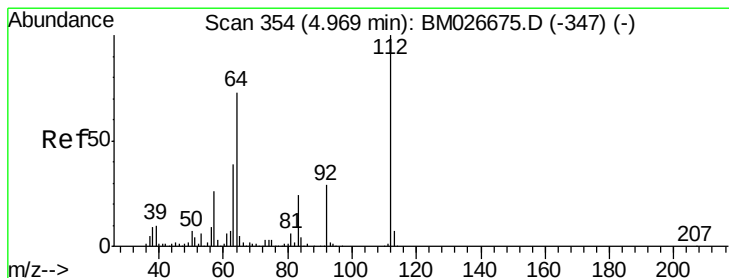
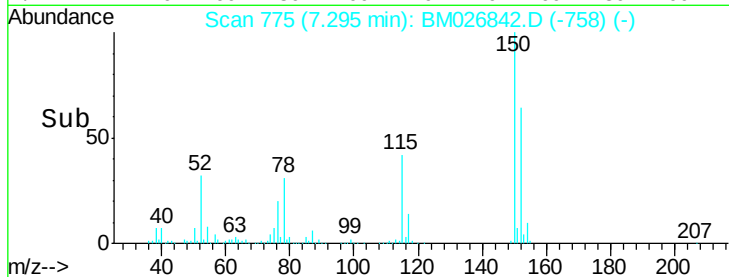
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



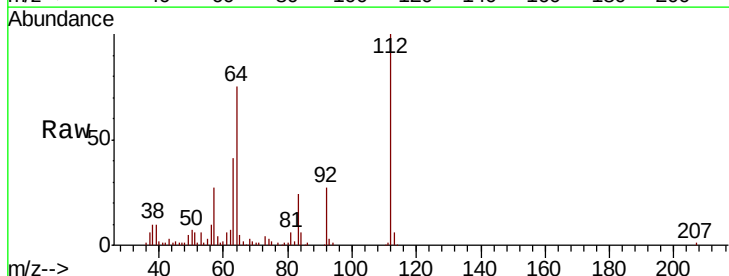
Time-->



#5

2-Fluorophenol
Concen: 14.247 ng
RT: 4.94 min Scan# 375
Delta R.T. -0.00 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.7	58.4	87.6
63	40.7	31.5	47.3

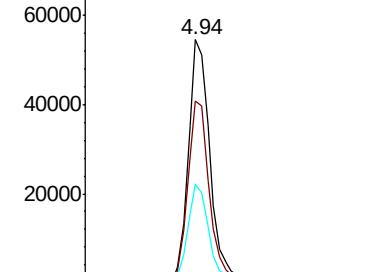


Abundance

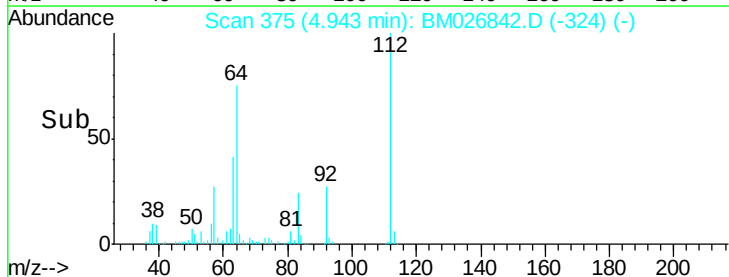
Ion 112.00 (111.70 to 112.70): E

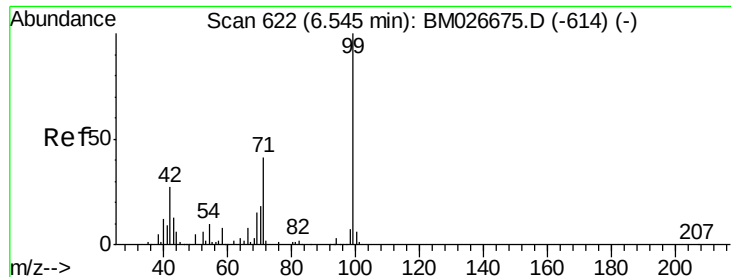
Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



Time-->





#7

Phenol-d6

Concen: 41.587 ng

RT: 6.51 min Scan# 642

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

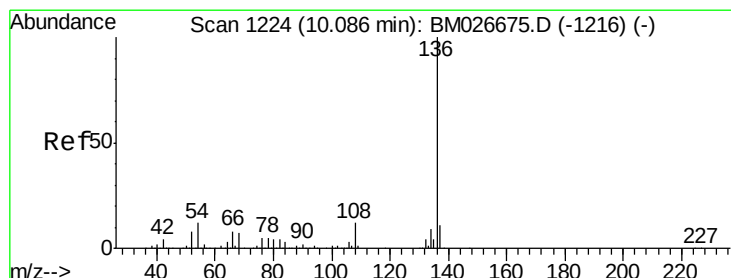
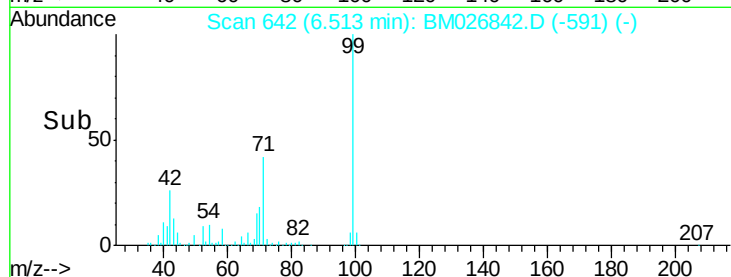
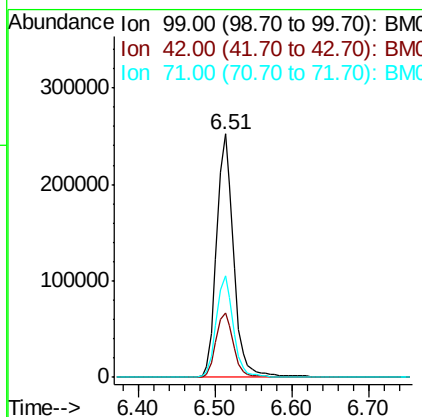
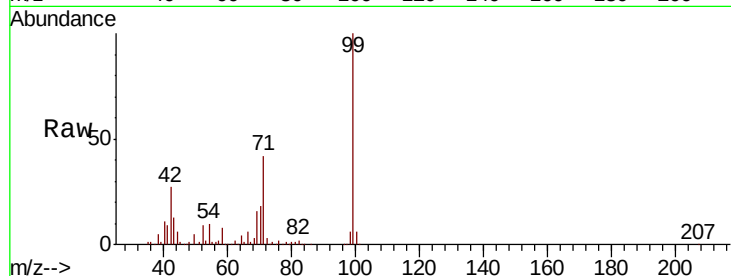
ClientSampled :

SP-3RX

Tot Ion:	99	Resp:	384365
Ion	Ratio	Lower	Upper
99	100		
42	26.5	21.7	32.5
71	41.9	33.2	49.8

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#21

Naphthalene-d8

Concen: 20.000 ng

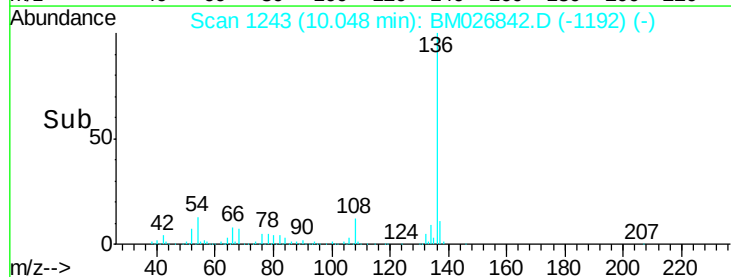
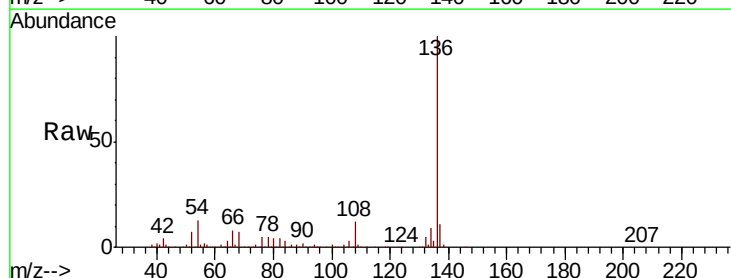
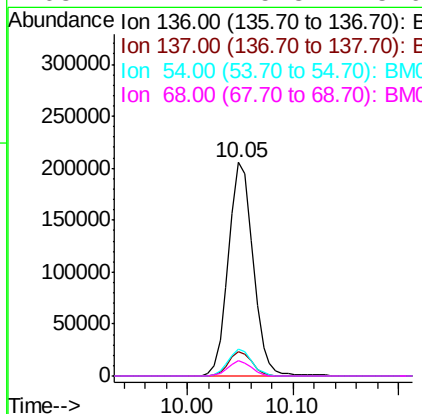
RT: 10.05 min Scan# 1243

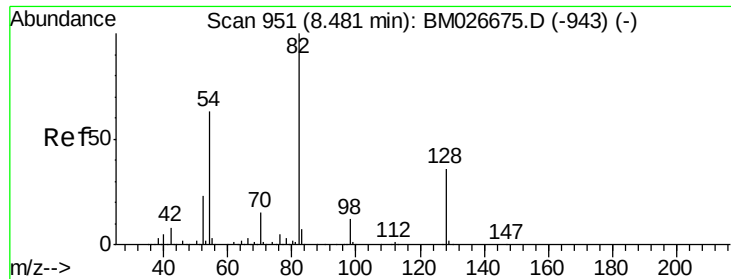
Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Tgt Ion:	136	Resp:	332901
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	12.6	9.8	14.6
68	7.1	5.8	8.6





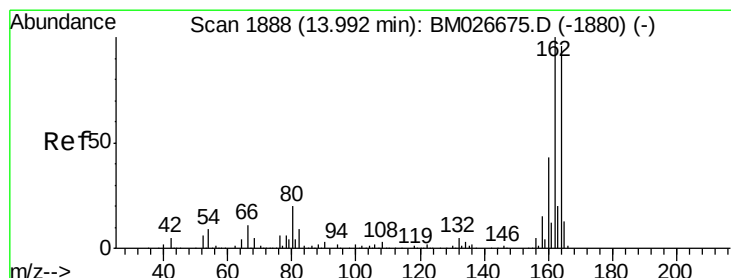
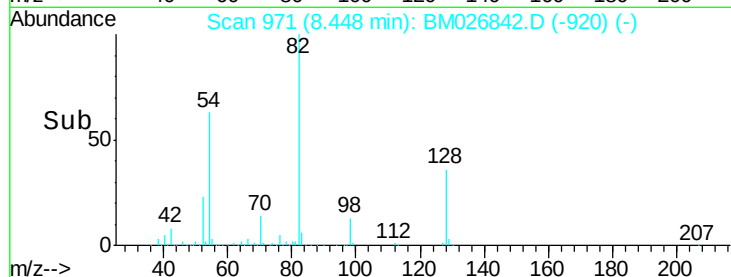
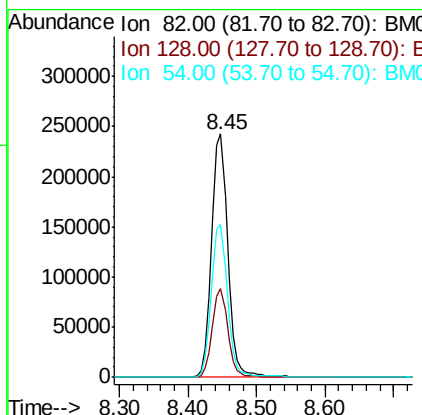
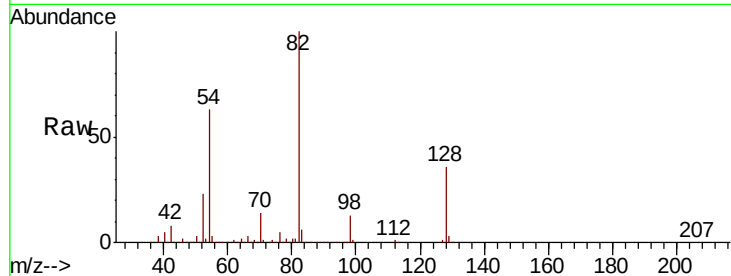
#23
 Nitrobenzene-d5
 Concen: 51.377 ng
 RT: 8.45 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Instrument :
 BNA_M
 ClientSampled :
 SP-3RX

Tot Ion	82	Resp	400898
Ion Ratio	100	Lower	Upper
128	36.4	29.1	43.7
54	62.8	50.2	75.4

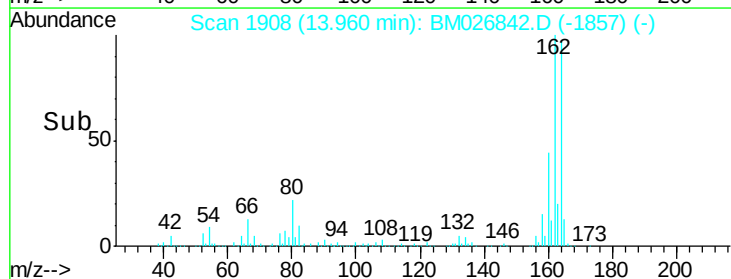
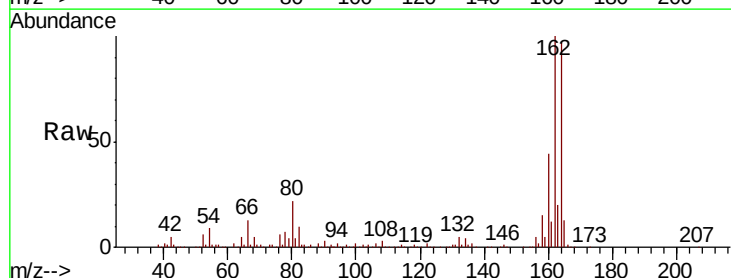
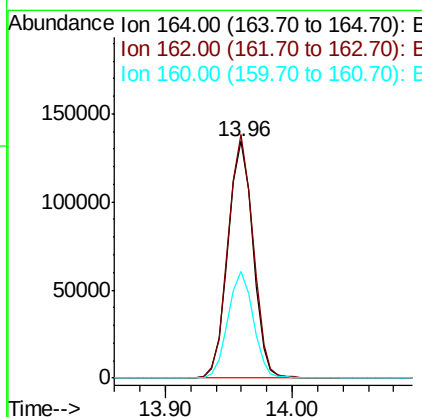
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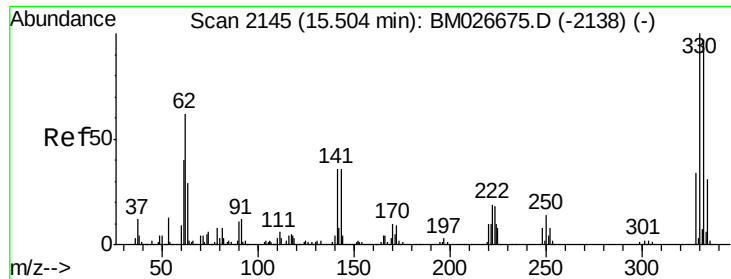
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.96 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Tgt Ion	164	Resp	183643
Ion Ratio	100	Lower	Upper
162	102.7	83.7	125.5
160	44.8	36.2	54.2





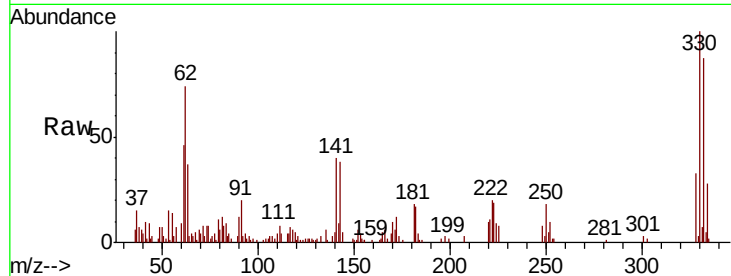
#42
 2,4,6-Tribromophenol
 Concen: 7.609 ng
 RT: 15.47 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Instrument :
 BNA_M
 ClientSampled :
 SP-3RX

Tot Ion	Ratio	Lower	Upper
330	100		
332	90.2	77.5	116.3
141	42.4	32.4	48.6

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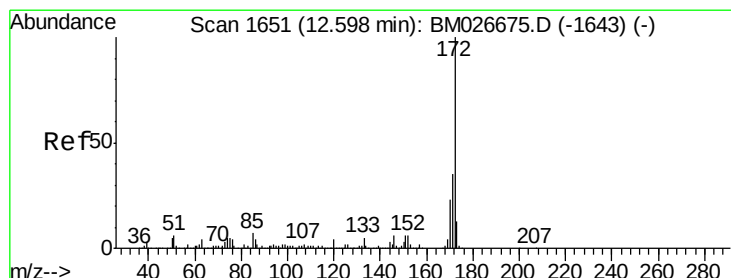
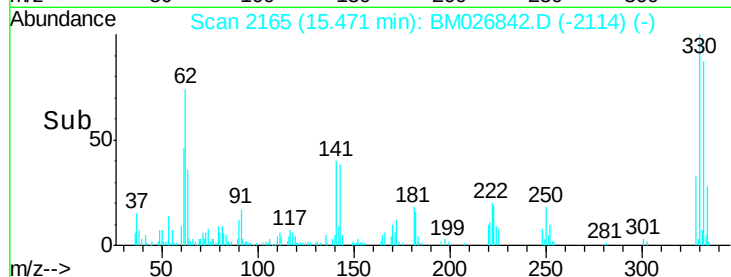
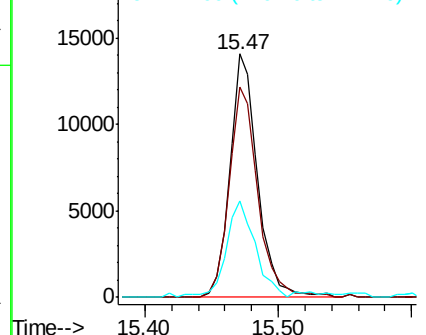


Abundance

Ion 329.80 (329.50 to 330.50): E

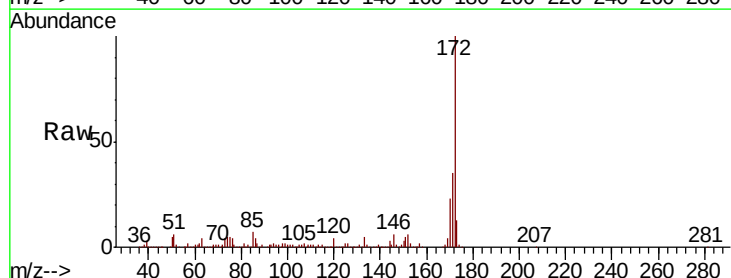
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 48.703 ng
 RT: 12.57 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.6
170	23.0	18.5	27.7

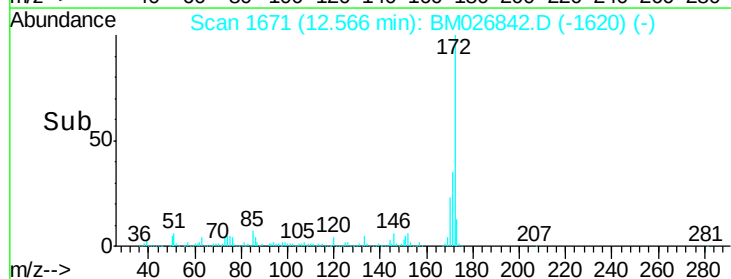
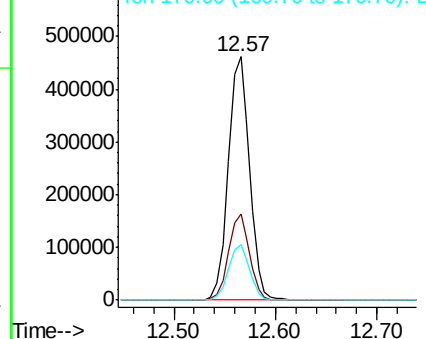


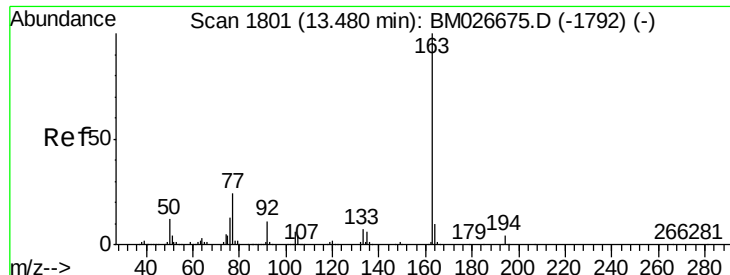
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





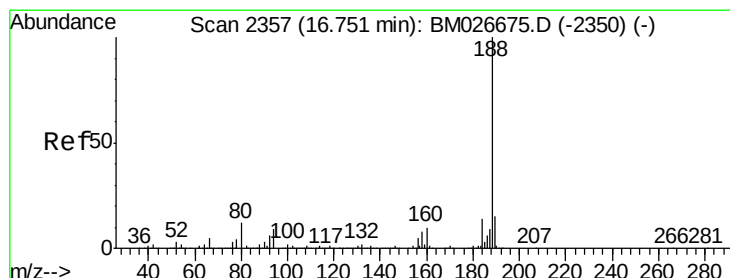
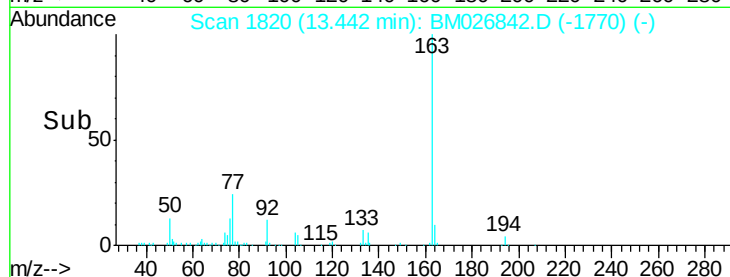
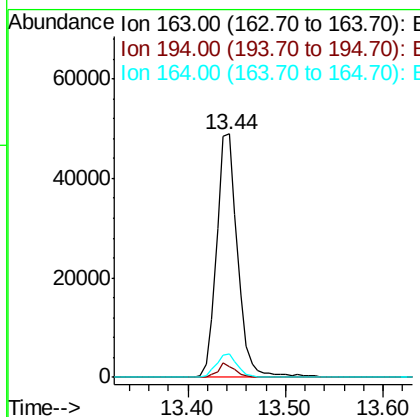
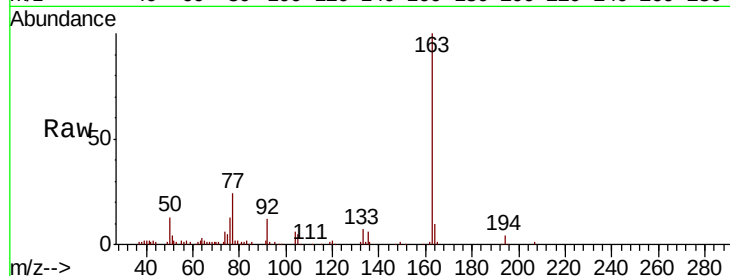
#50
Dimethylphthalate
Concen: 4.657 ng
RT: 13.44 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Instrument :
BNA_M
ClientSampled :
SP-3RX

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.6	7.8	11.6

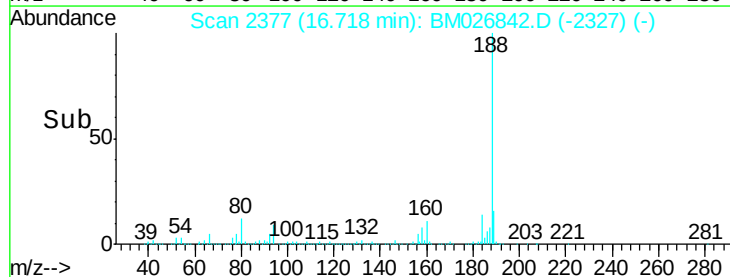
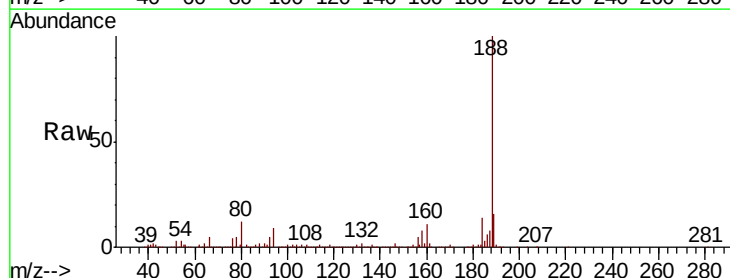
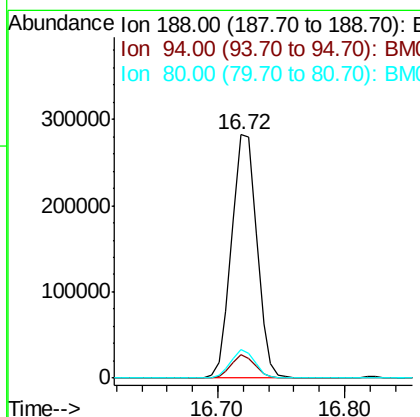
Manual Integrations
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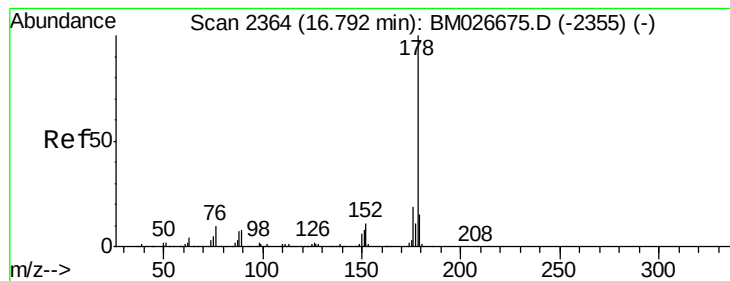
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.72 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.4	11.0
80	11.9	9.3	13.9





#71

Phenanthrene

Concen: 16.225 ng

RT: 16.77 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

ClientSampleId :

SP-3RX

Tot Ion:178 Resp: 372876

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

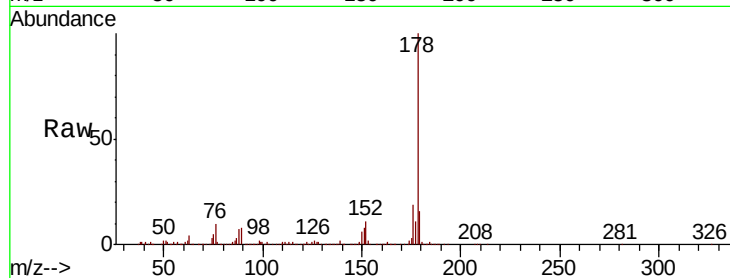
179 15.7 12.1 18.1

Manual Integrations

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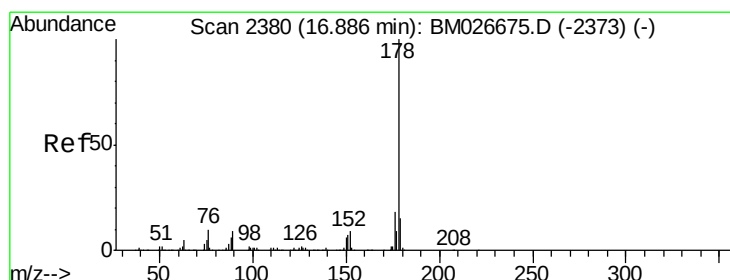
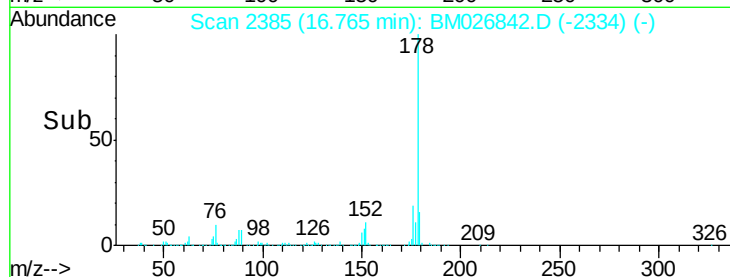
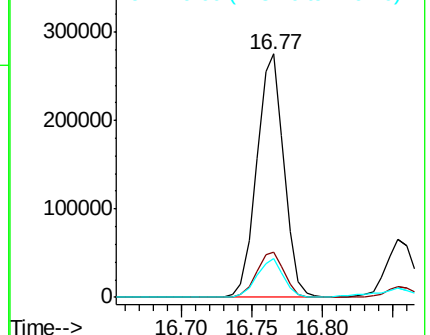
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.924 ng

RT: 16.85 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

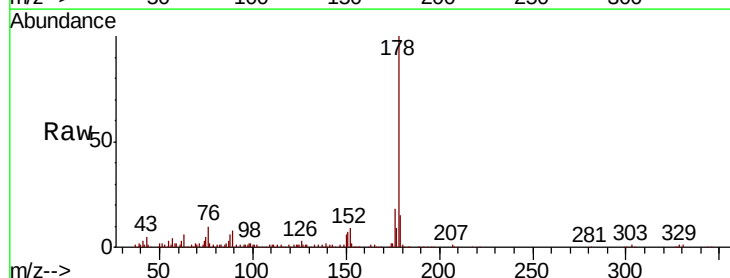
Tgt Ion:178 Resp: 89776

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

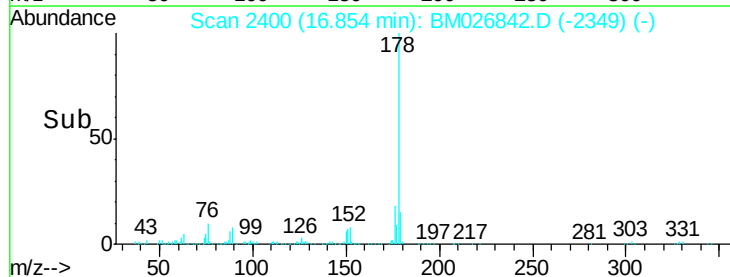
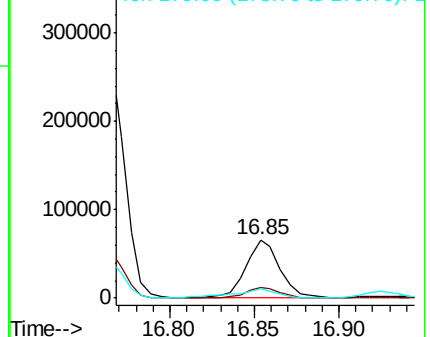
179 15.0 12.1 18.1

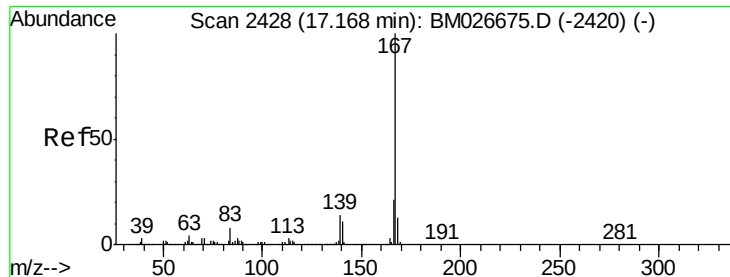


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 2.397 ng

RT: 17.14 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

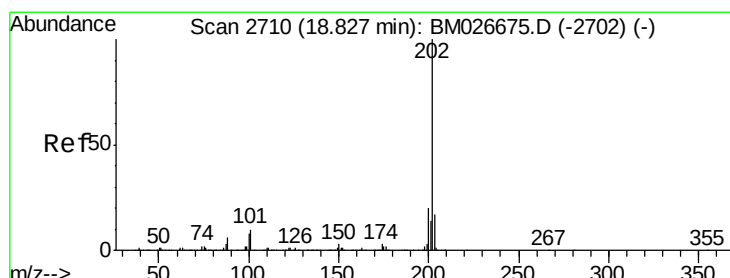
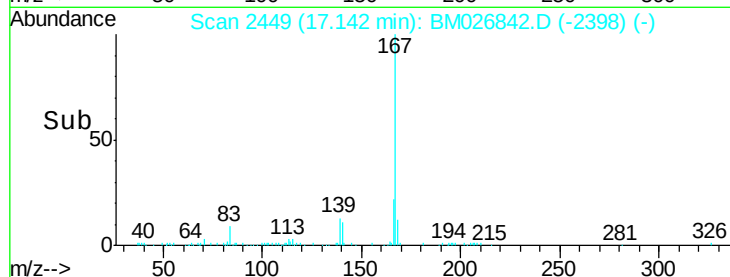
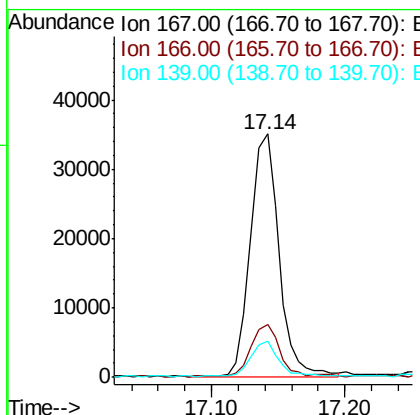
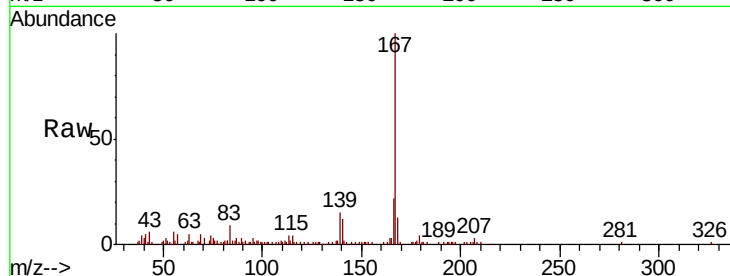
ClientSampleId :

SP-3RX

Tot Ion:	167	Resp:	52280
Ion Ratio	Lower	Upper	
167	100		
166	21.6	16.9	25.3
139	14.6	10.8	16.2

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#75

Fluoranthene

Concen: 36.828 ng

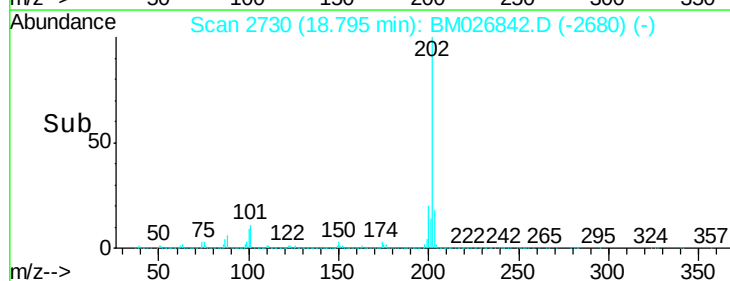
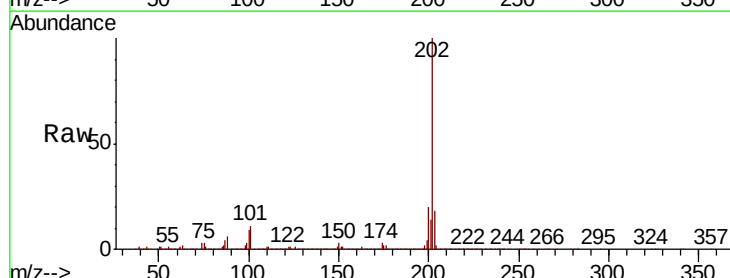
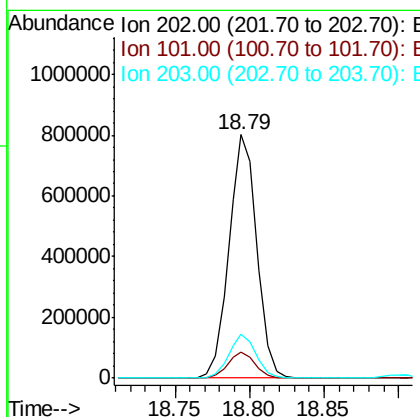
RT: 18.79 min Scan# 2730

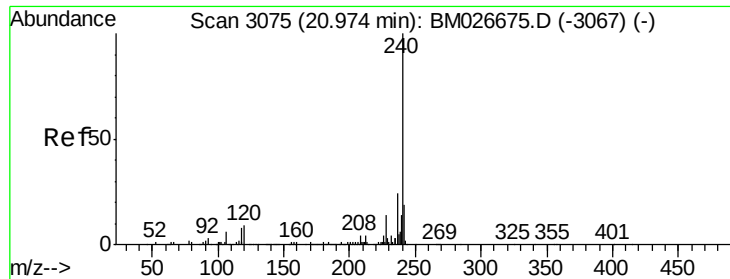
Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Tgt Ion:	202	Resp:	1042448
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	30.1
203	17.9	0.0	37.2





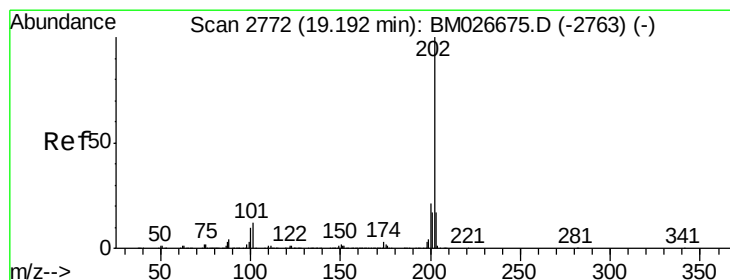
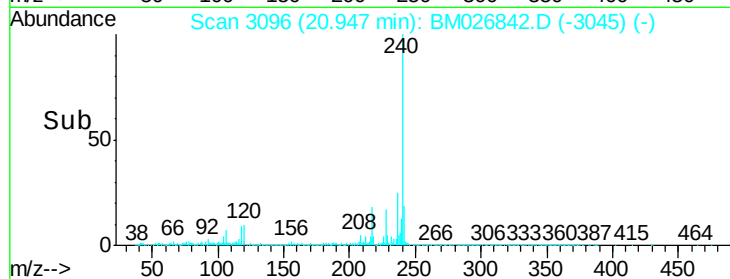
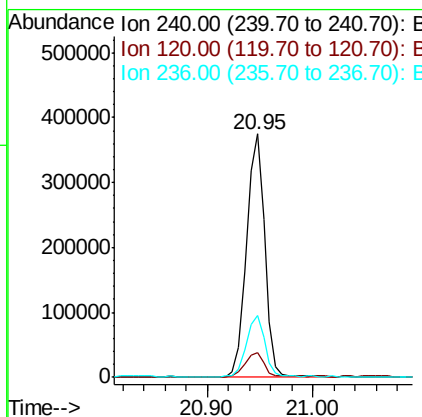
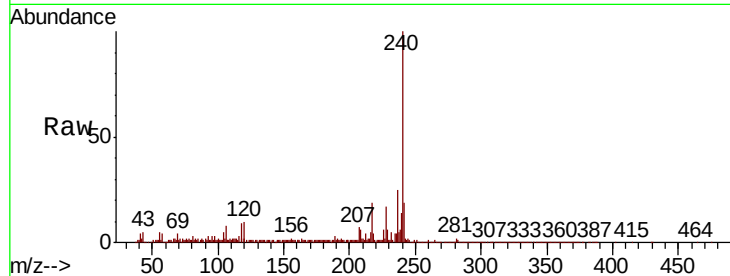
#76
Chrysene-d12
Concen: 20.000 ng
RT: 20.95 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Instrument :
BNA_M
ClientSampled :
SP-3RX

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.3	10.9
236	25.5	19.4	29.2

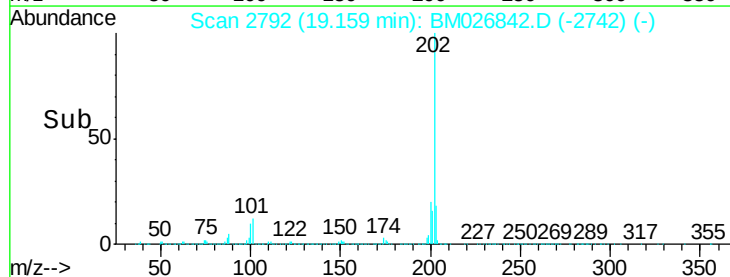
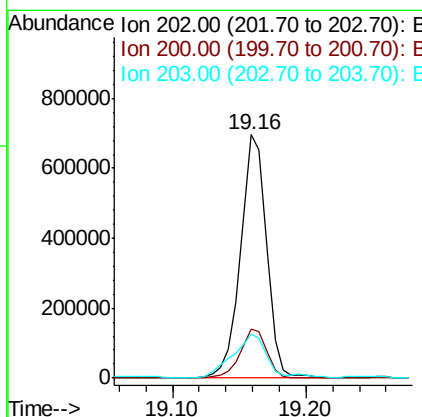
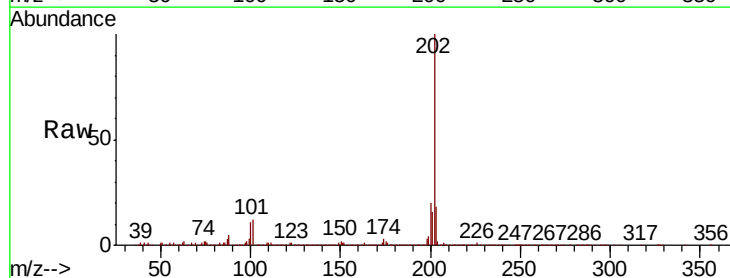
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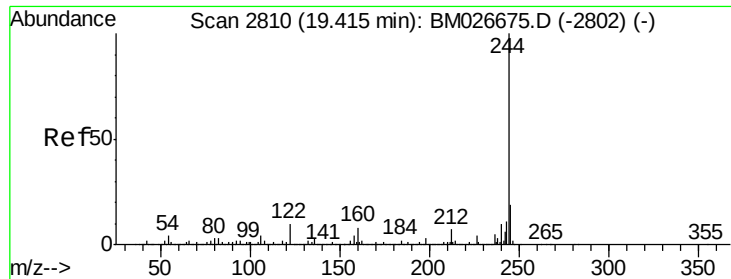
Sohil
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#78
Pyrene
Concen: 33.425 ng
RT: 19.16 min Scan# 2792
Delta R.T. -0.01 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	24.8
203	18.0	13.7	20.5





#79

Terphenyl-d14

Concen: 43.914 ng

RT: 19.39 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

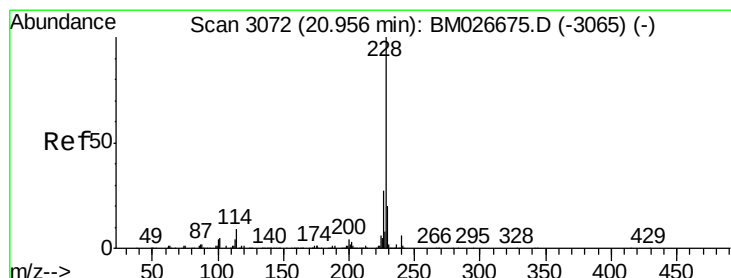
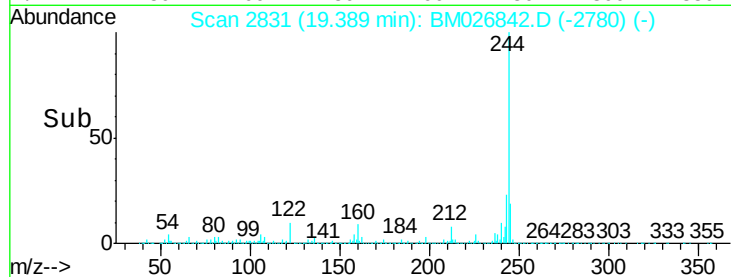
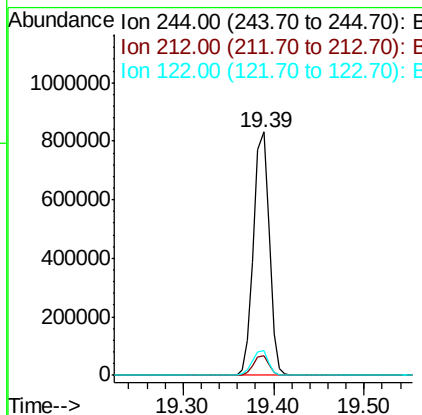
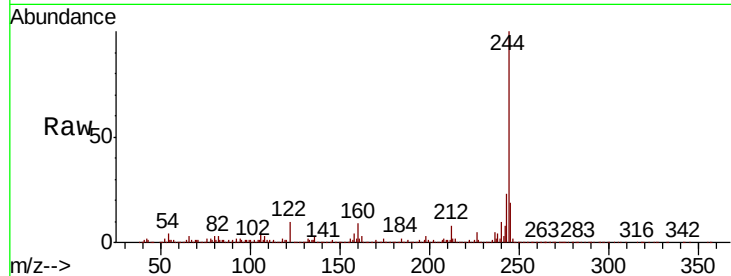
ClientSampled :

SP-3RX

Tot Ion:	244	Resp:	992185
Ion Ratio		Lower	Upper
244	100		
212	7.8	5.9	8.9
122	10.1	8.2	12.4

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#81

Benzo(a)anthracene

Concen: 18.271 ng

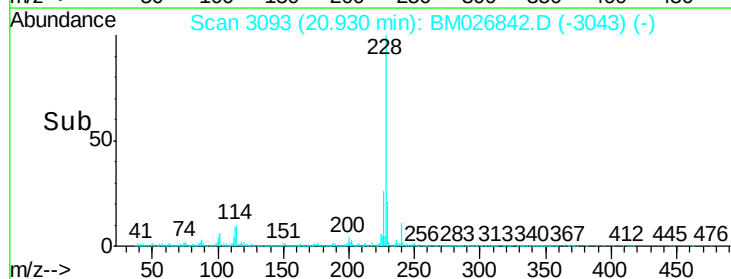
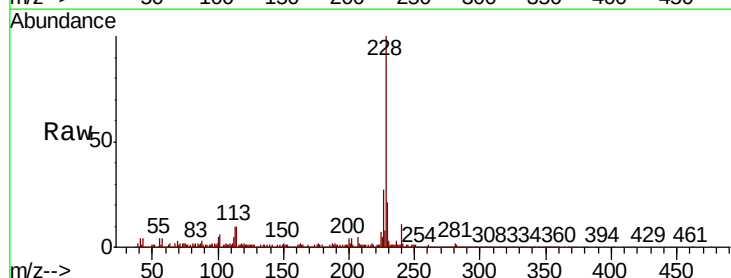
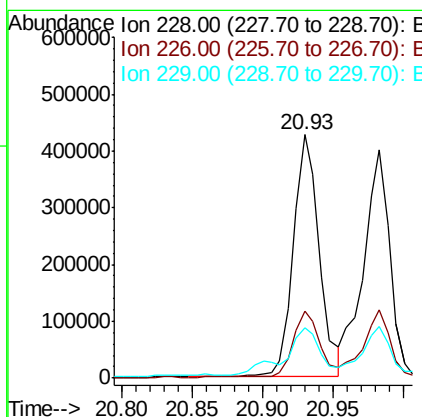
RT: 20.93 min Scan# 3093

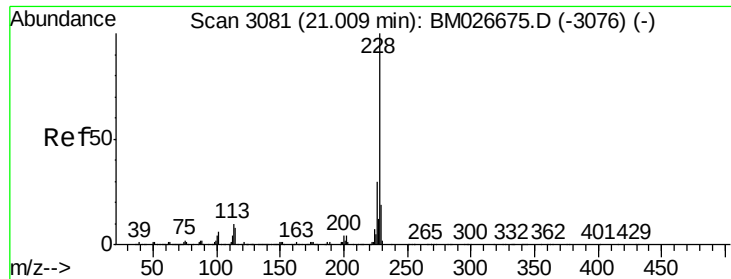
Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Tgt Ion:	228	Resp:	545731
Ion Ratio		Lower	Upper
228	100		
226	27.3	21.4	32.2
229	20.9	15.6	23.4





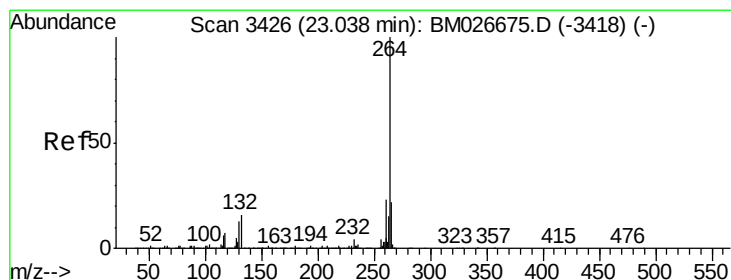
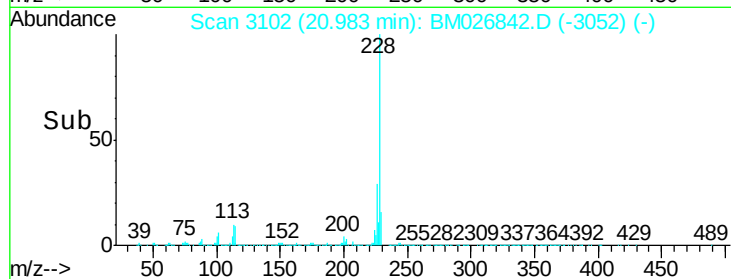
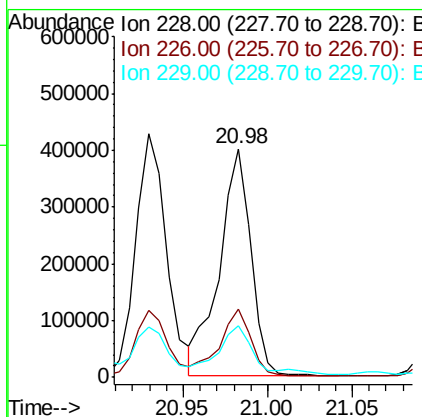
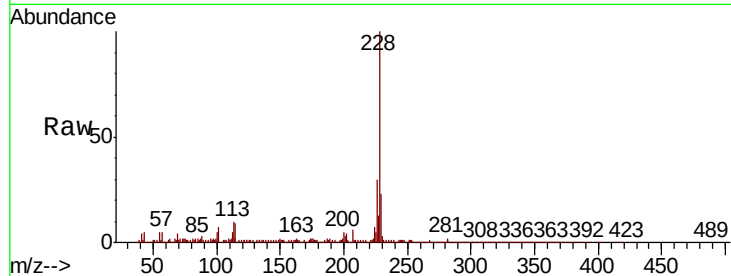
#83
Chrysene
Concen: 17.943 ng
RT: 20.98 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Instrument :
BNA_M
ClientSampled :
SP-3RX

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	22.8	15.4	23.0

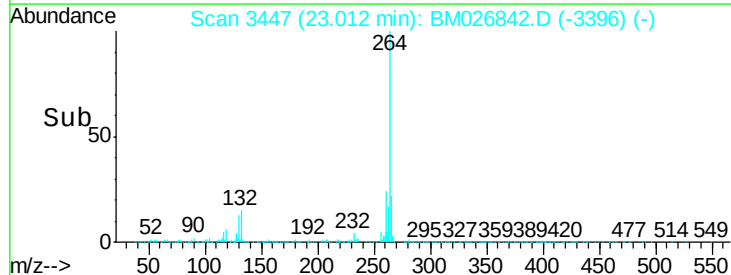
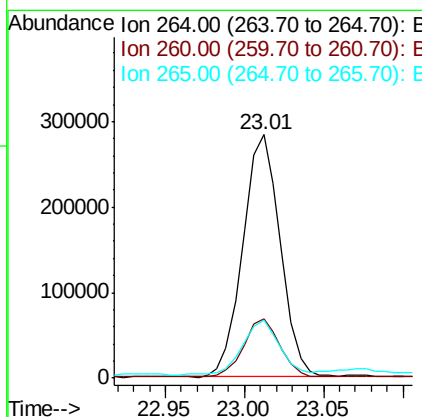
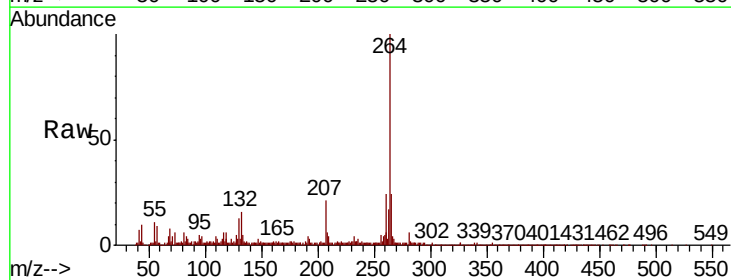
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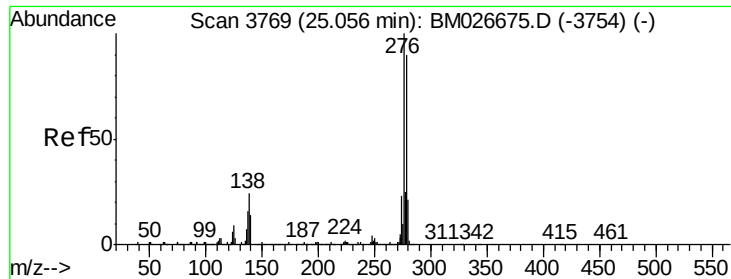
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.01 min Scan# 3447
Delta R.T. -0.00 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.2	27.2
265	23.6	17.6	26.4





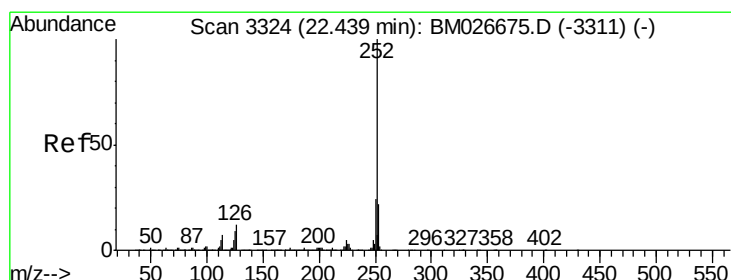
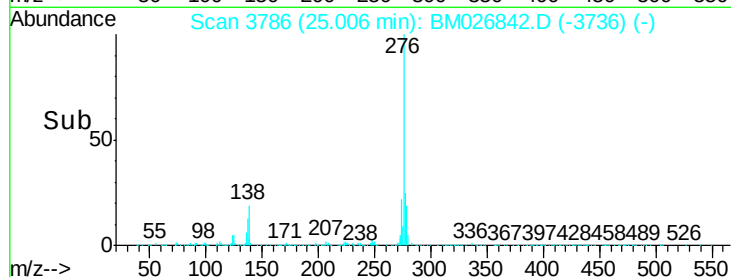
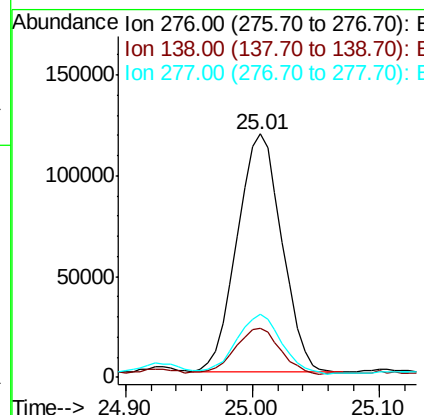
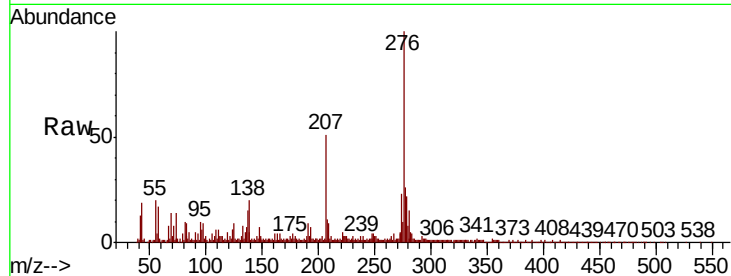
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.766 ng
 RT: 25.01 min Scan# 3786
 Delta R.T. -0.01 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Instrument :
 BNA_M
 ClientSampleId :
 SP-3RX

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	18.4	27.6
277	24.6	20.0	30.0

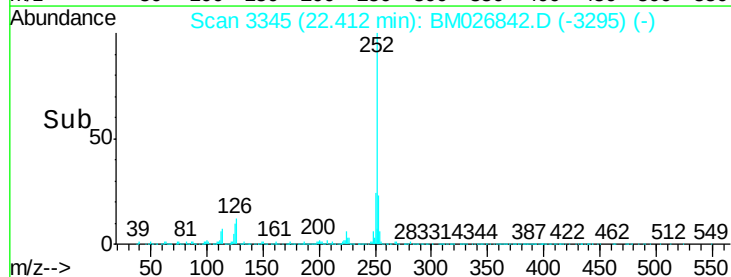
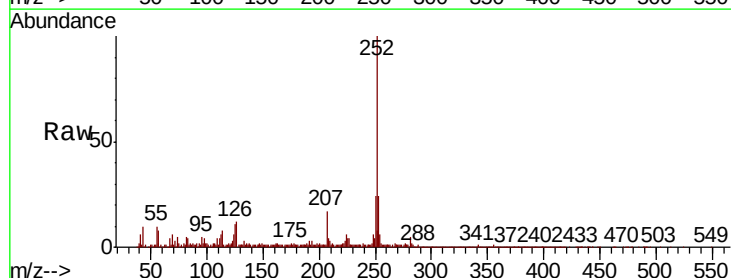
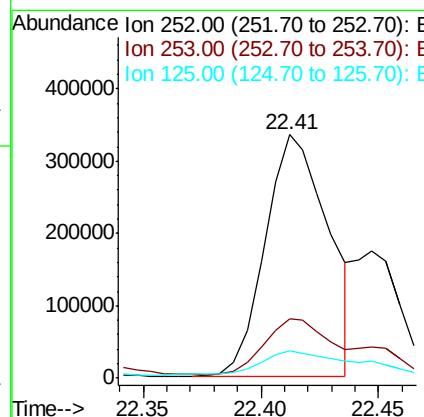
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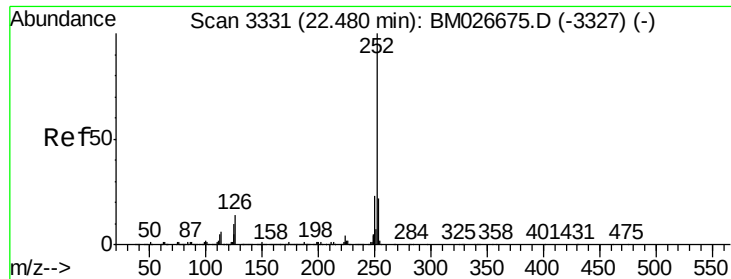
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#88
 Benzo(b)fluoranthene
 Concen: 20.434 ng m
 RT: 22.41 min Scan# 3345
 Delta R.T. -0.01 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	11.2	7.5	11.3





#89

Benzo(k)fluoranthene

Concen: 7.652 ng m

RT: 22.45 min Scan# 3351

Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

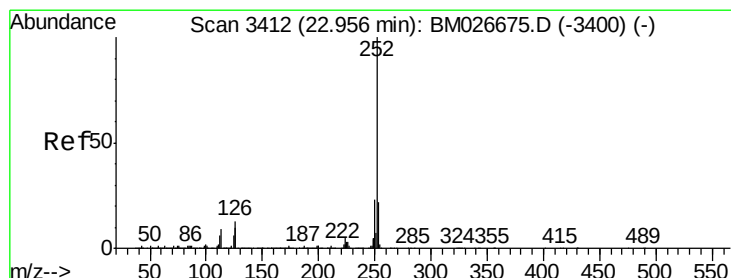
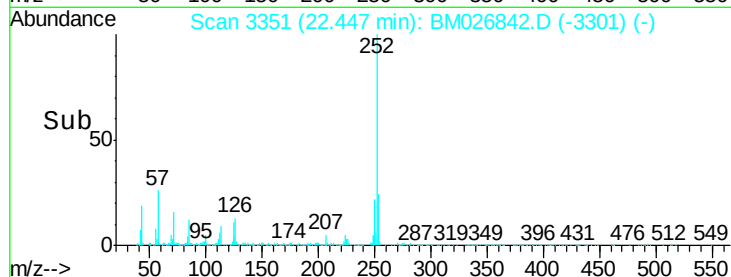
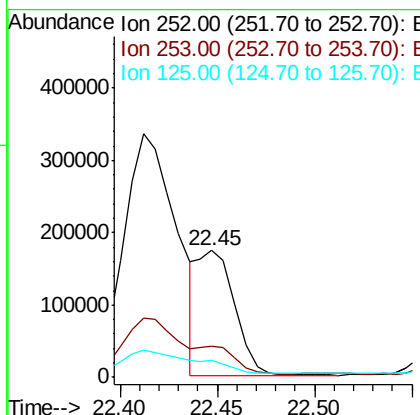
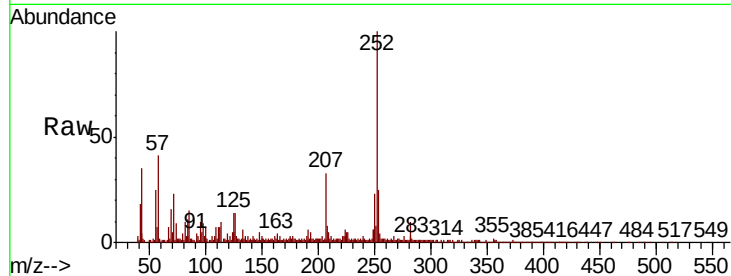
ClientSampled :

SP-3RX

Tot Ion:	252	Resp:	229648
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.5	26.3
125	13.5	7.8	11.8#

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#90

Benzo(a)pyrene

Concen: 15.963 ng

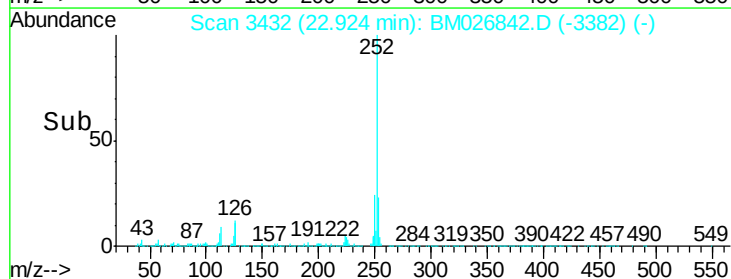
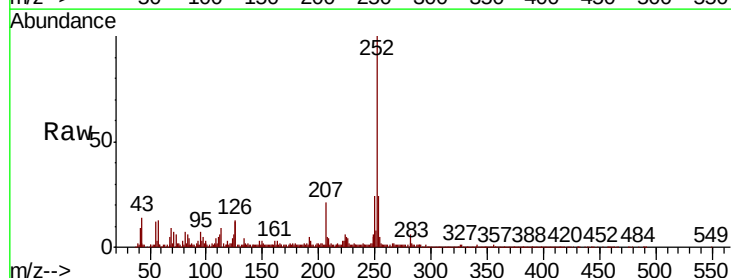
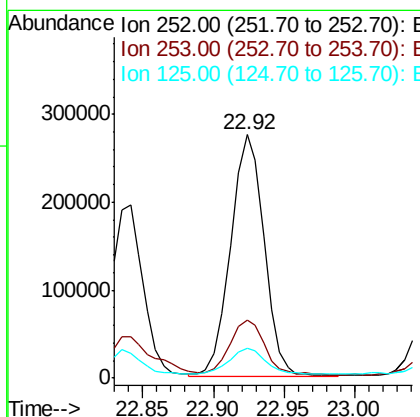
RT: 22.92 min Scan# 3432

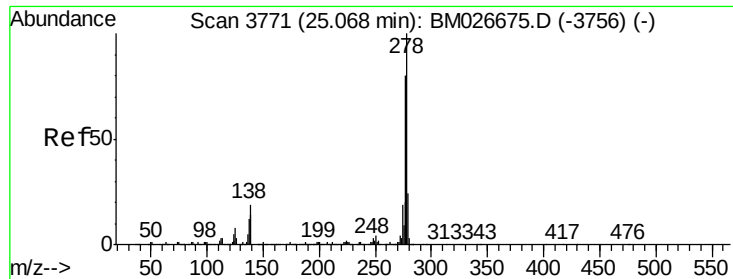
Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Tgt Ion:	252	Resp:	453444
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.2
125	12.4	8.2	12.4#





#91

Dibenzo(a,h)anthracene

Concen: 2.728 ng

RT: 25.01 min Scan# 3786

Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

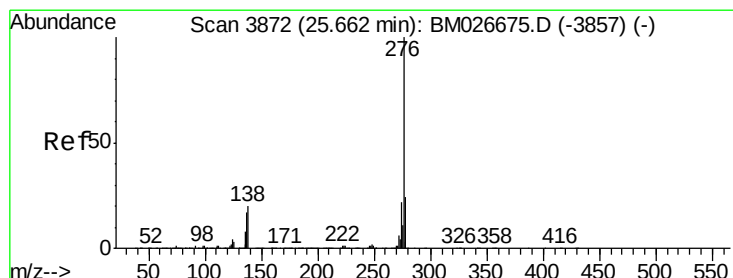
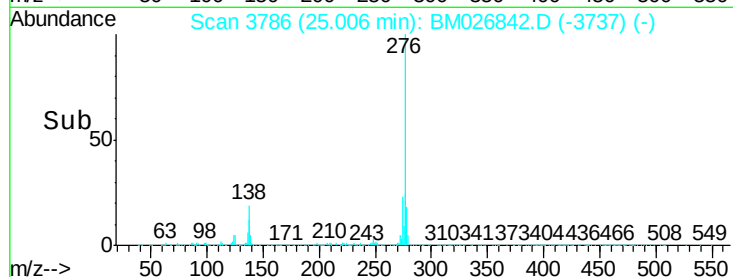
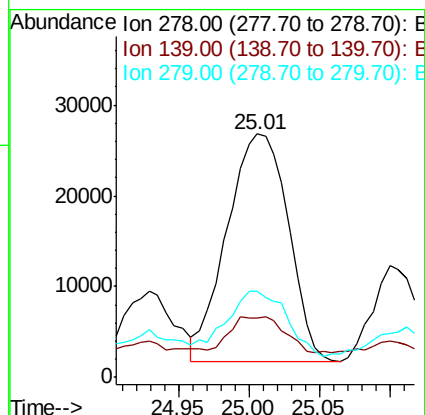
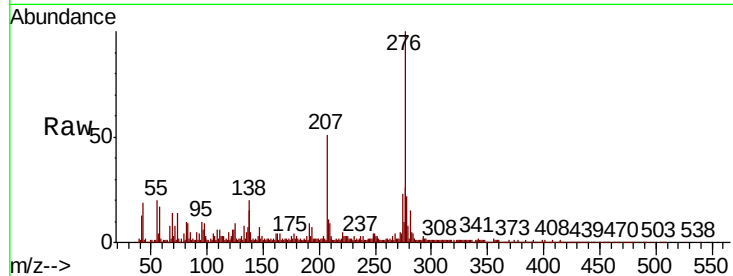
ClientSampleId :

SP-3RX

Tot Ion:	278	Resp:	76125
Ion Ratio	Lower	Upper	
278	100		
139	24.2	11.2	16.8#
279	35.4	19.0	28.4#

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#92

Benzo(g,h,i)perylene

Concen: 11.191 ng

RT: 25.61 min Scan# 3889

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Tgt Ion:	276	Resp:	287768
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.1	28.7
138	19.4	15.8	23.8

