

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092319\
 Data File : BM022745.D
 Acq On : 23 Sep 2019 17:47
 Operator : HP/JU
 Sample : PB123254BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 24 07:08:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 24 07:00:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	176143	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	715918	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	464508	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	1063551	20.00	ng	0.00
76) Chrysene-d12	21.37	240	1172208	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1392309	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1336046	120.30	ng	0.00
7) Phenol-d6	6.99	99	1873715	131.35	ng	0.00
23) Nitrobenzene-d5	8.97	82	1006610	78.05	ng	0.00
42) 2,4,6-Tribromophenol	15.95	330	724429	124.93	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2633124	78.06	ng	0.00
79) Terphenyl-d14	19.82	244	5223900	86.29	ng	0.00

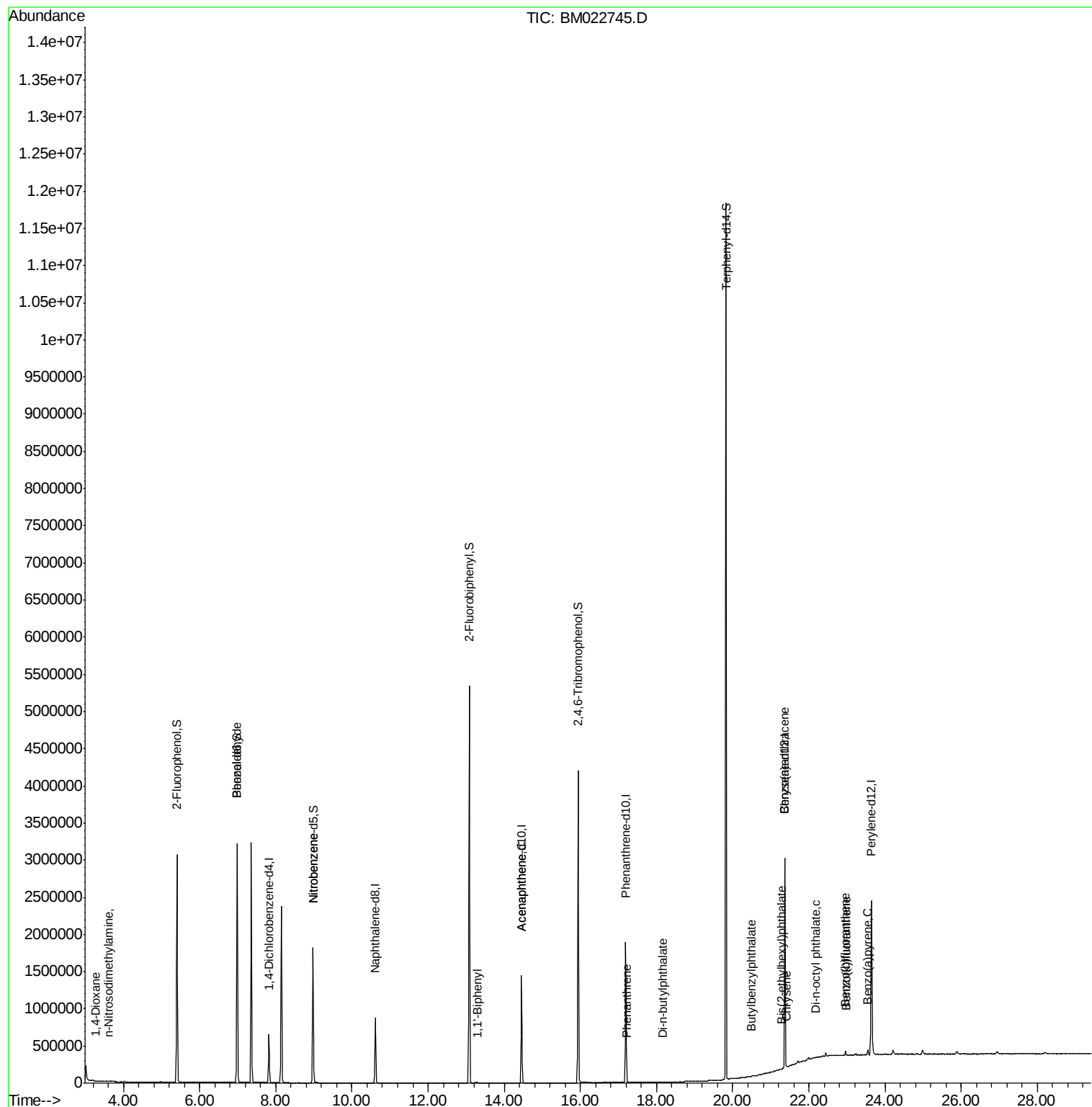
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	730	0.163	ng	# 100
4) n-Nitrosodimethylamine	3.62	42	121	0.028	ng	# 1
9) Benzaldehyde	6.99	77	3168	0.390	ng	# 1
24) Nitrobenzene	8.97	77	3170	0.257	ng	# 37
46) 1,1'-Biphenyl	13.29	154	3583	0.093	ng	# 97
52) Acenaphthene	14.46	154	1397	0.050	ng	# 5
71) Phenanthrene	17.23	178	258	0.004	ng	# 60
74) Di-n-butylphthalate	18.17	149	475	0.008	ng	# 79
80) Butylbenzylphthalate	20.49	149	122	0.004	ng	# 26
81) Benzo(a)anthracene	21.37	228	3284	0.043	ng	# 54
83) Chrysene	21.41	228	258	0.004	ng	# 49
84) Bis(2-ethylhexyl)phthalate	21.29	149	621	0.014	ng	# 52
85) Di-n-octyl phthalate	22.18	149	483	0.007	ng	# 1
88) Benzo(b)fluoranthene	22.97	252	1816	0.022	ng	# 1
89) Benzo(k)fluoranthene	22.99	252	830	0.010	ng	# 1
90) Benzo(a)pyrene	23.55	252	1264	0.016	ng	# 1

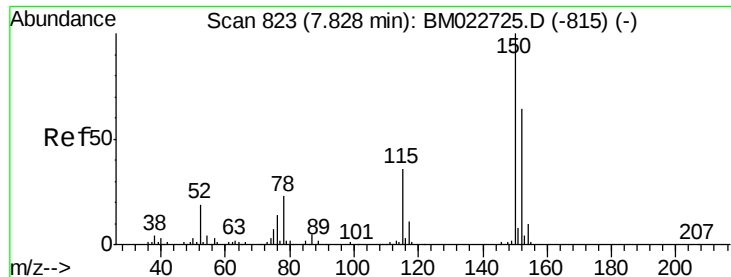
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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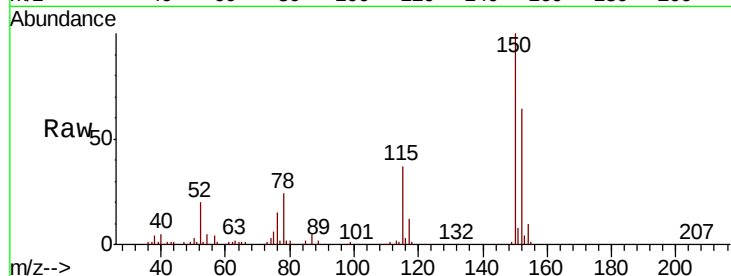


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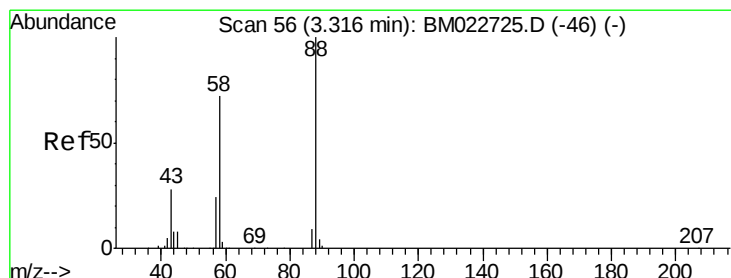
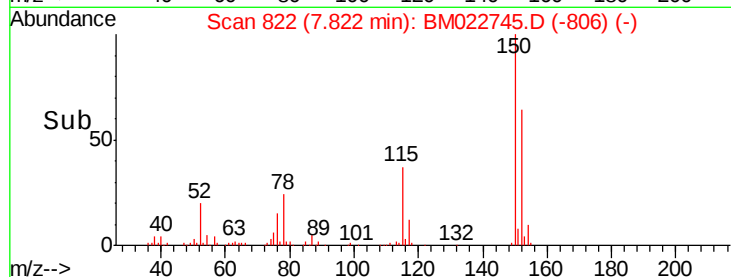
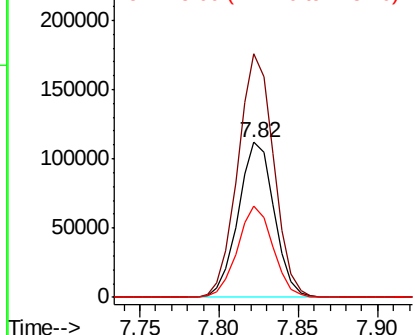
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 176143
Ion Ratio Lower Upper
152 100
150 157.2 124.5 186.7
115 58.8 45.0 67.4



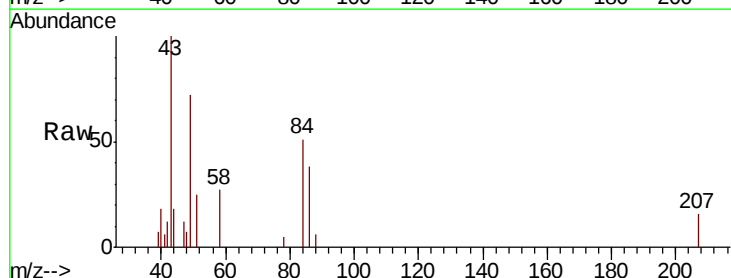
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



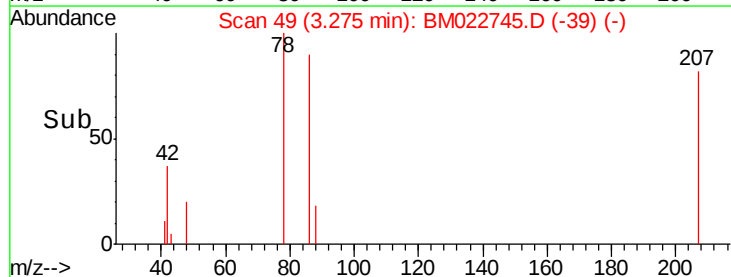
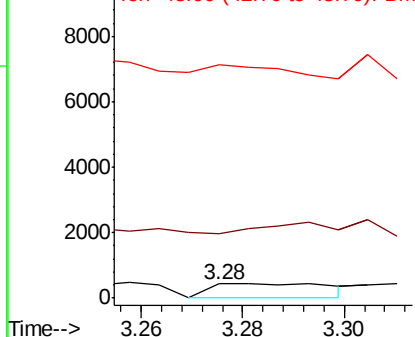
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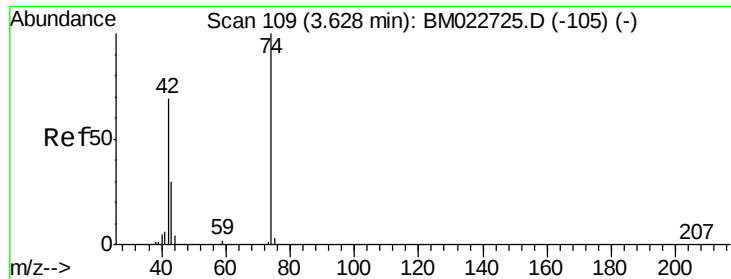
1,4-Dioxane
Concen: 0.163 ng
RT: 3.28 min Scan# 49
Delta R.T. -0.04 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Tgt Ion: 88 Resp: 730
Ion Ratio Lower Upper
88 100
58 0.0 0.0 0.0
43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0



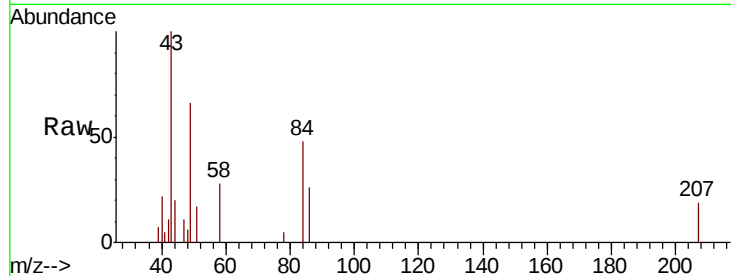


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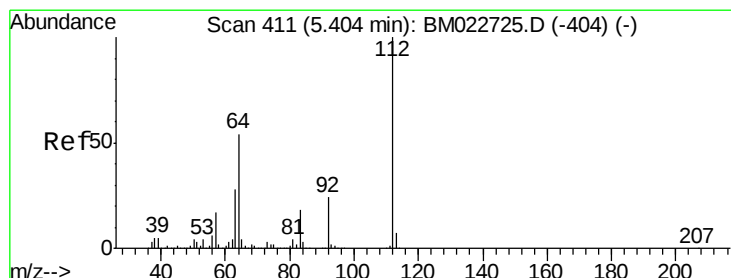
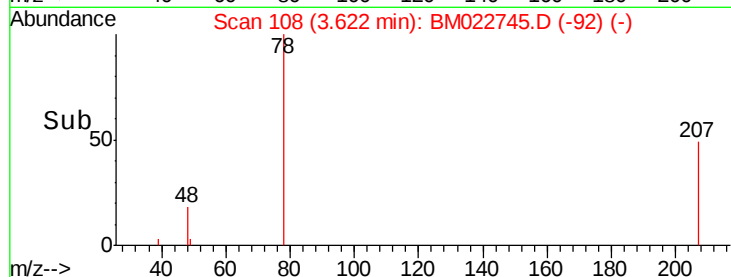
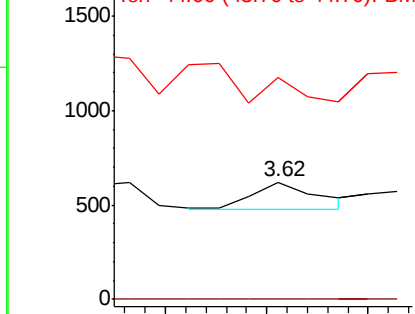
n-Nitrosodimethylamine
 Concen: 0.028 ng
 RT: 3.62 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: BM022745.D
 Acq: 23 Sep 2019 17:47

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 42 Resp: 121
 Ion Ratio Lower Upper
 42 100
 74 0.0 116.6 175.0#
 44 189.7 8.2 12.4#



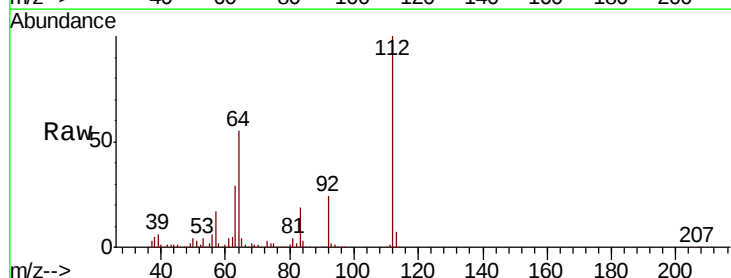
Abundance Ion 42.00 (41.70 to 42.70): BM0
 Ion 74.00 (73.70 to 74.70): BM0
 Ion 44.00 (43.70 to 44.70): BM0



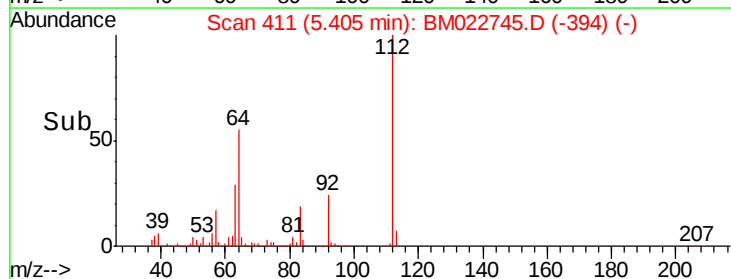
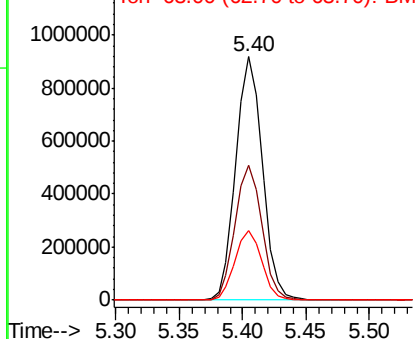
#5

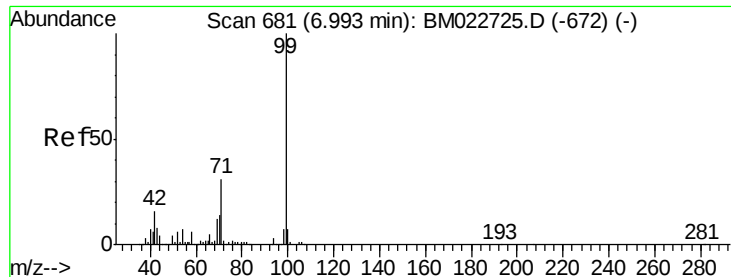
2-Fluorophenol
 Concen: 120.296 ng
 RT: 5.40 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: BM022745.D
 Acq: 23 Sep 2019 17:47

Tgt Ion: 112 Resp: 1336046
 Ion Ratio Lower Upper
 112 100
 64 55.5 43.4 65.2
 63 28.7 22.1 33.1



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





#7

Phenol-d6

Concen: 131.352 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

Instrument :

BNA_M

ClientSampleId :

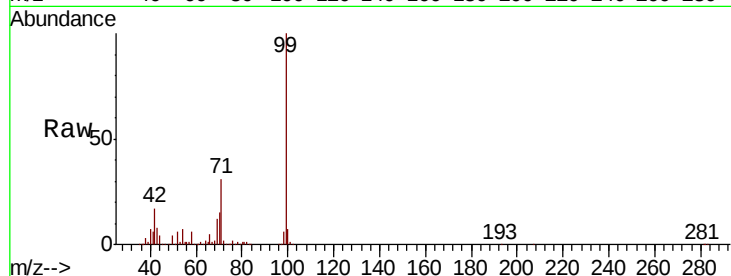
Tot Ion: 99 Resp: 1873715

Ion Ratio Lower Upper

99 100

42 17.1 13.0 19.4

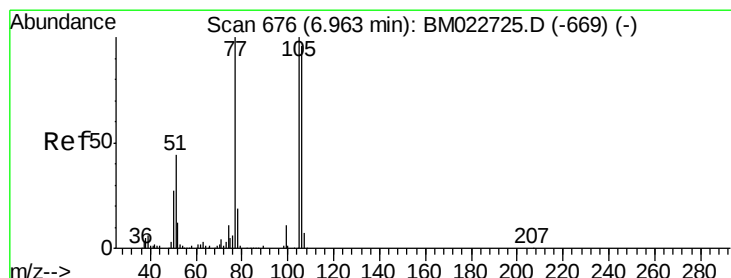
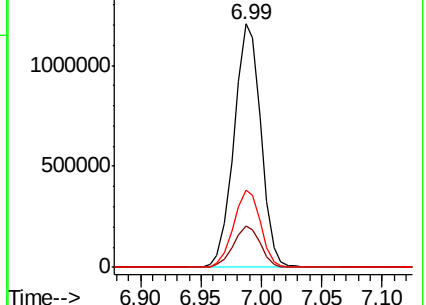
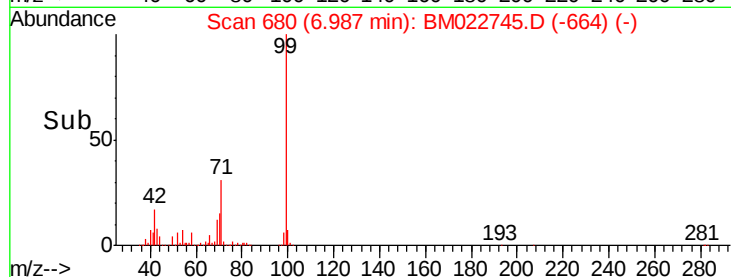
71 31.5 24.7 37.1



Abundance Ion 99.00 (98.70 to 99.70): BM022745.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM022745.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM022745.D (-664) (-)



#9

Benzaldehyde

Concen: 0.390 ng

RT: 6.99 min Scan# 680

Delta R.T. 0.02 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

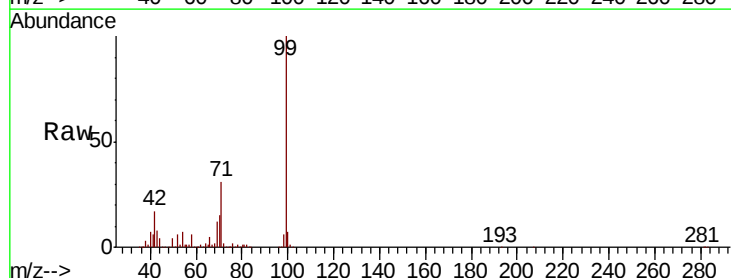
Tgt Ion: 77 Resp: 3168

Ion Ratio Lower Upper

77 100

105 0.0 79.6 119.6#

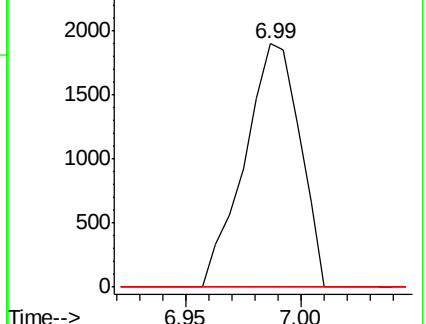
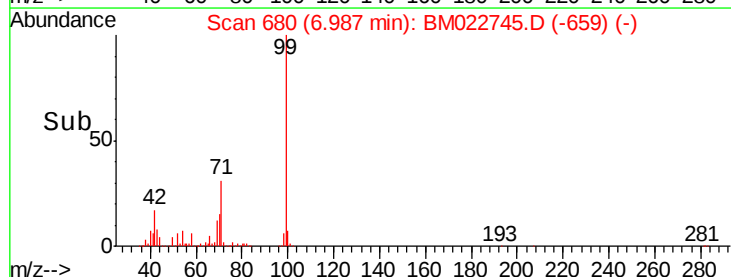
106 0.0 76.3 116.3#

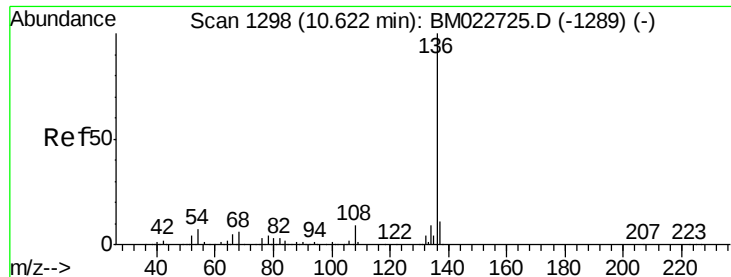


Abundance Ion 77.00 (76.70 to 77.70): BM022745.D (-659) (-)

Ion 105.00 (104.70 to 105.70): BM022745.D (-659) (-)

Ion 106.00 (105.70 to 106.70): BM022745.D (-659) (-)

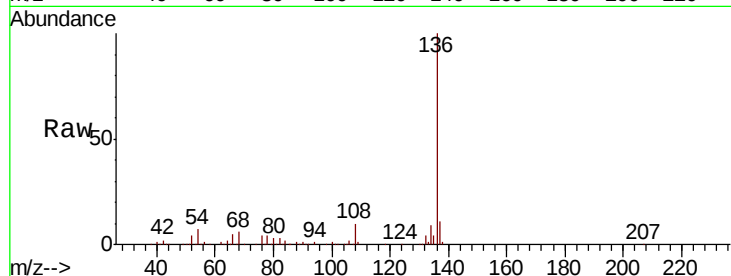




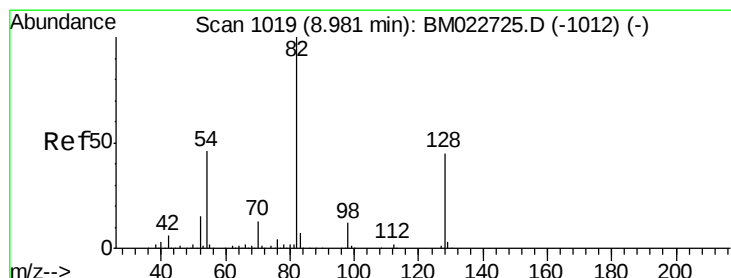
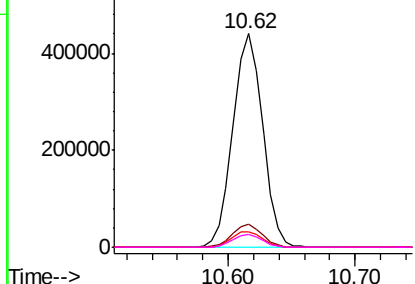
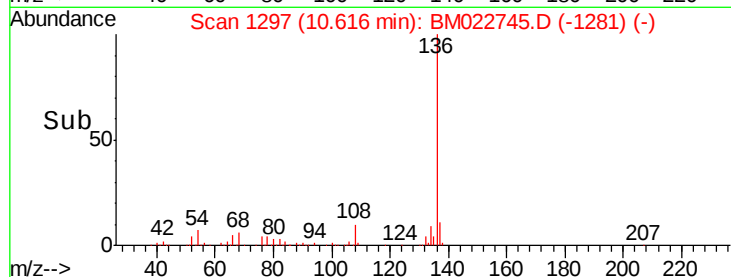
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Instrument :
BNA_M
ClientSampleId :

Tot Ion:136	Resp:	715918
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.6	13.0
54 7.4	6.0	9.0
68 6.0	4.9	7.3

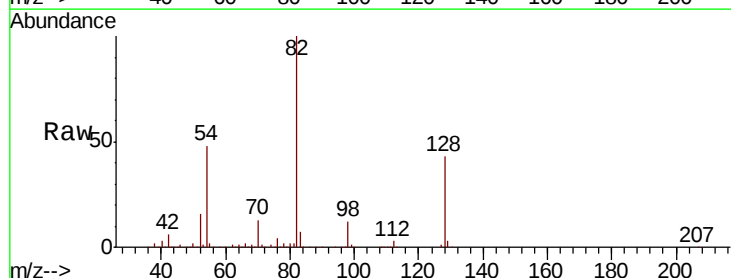


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

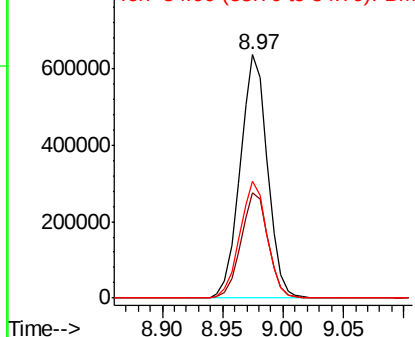
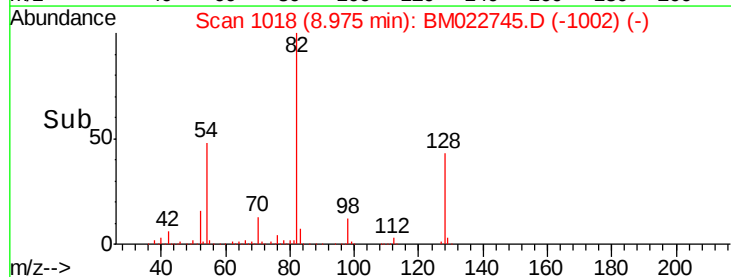


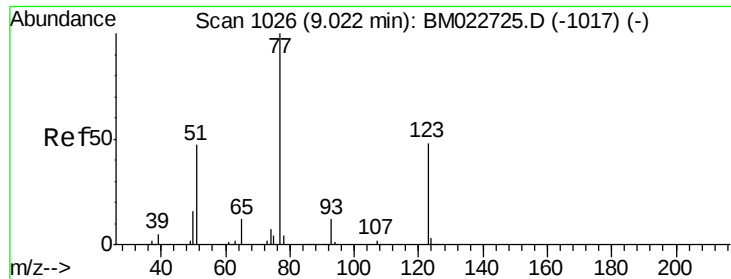
#23
Nitrobenzene-d5
Concen: 78.049 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Tgt Ion: 82	Resp: 1006610
Ion Ratio	Lower Upper
82 100	
128 43.2	36.0 54.0
54 47.9	37.1 55.7



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

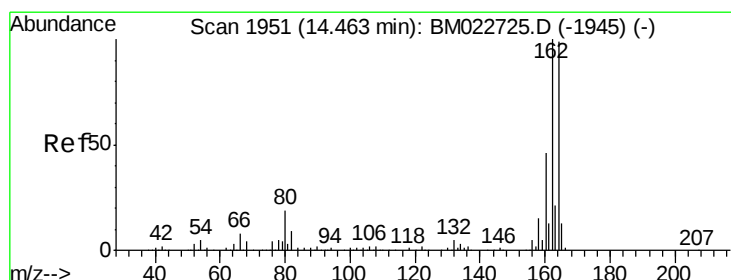
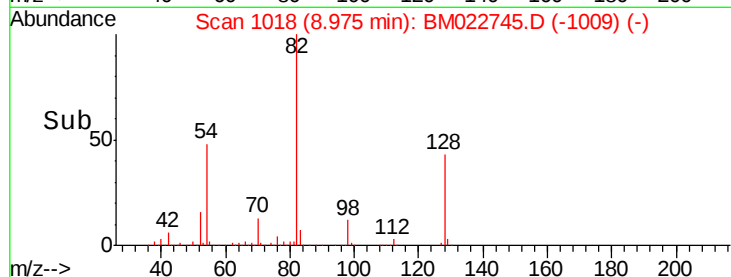
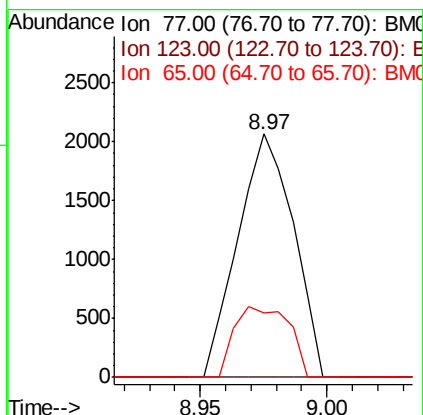
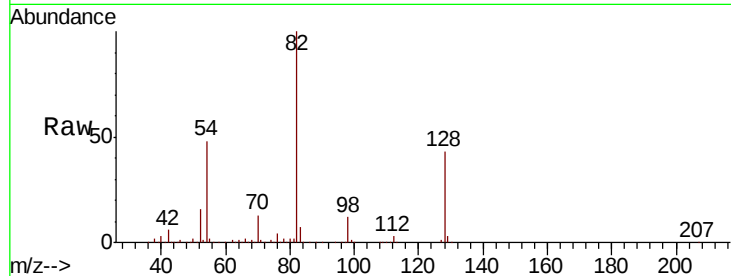




#24
 Nitrobenzene
 Concen: 0.257 ng
 RT: 8.97 min Scan# 1018
 Delta R.T. -0.05 min
 Lab File: BM022745.D
 Acq: 23 Sep 2019 17:47

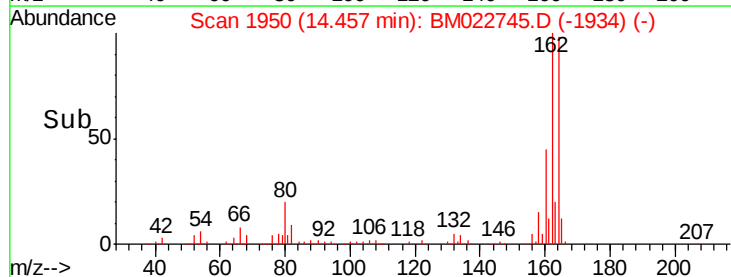
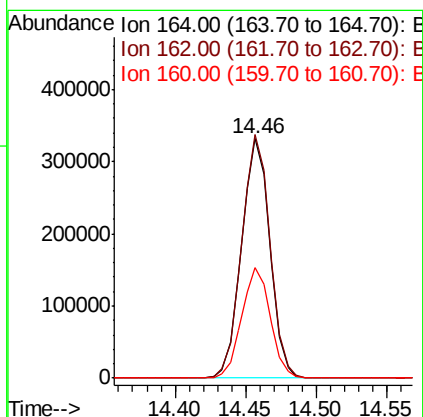
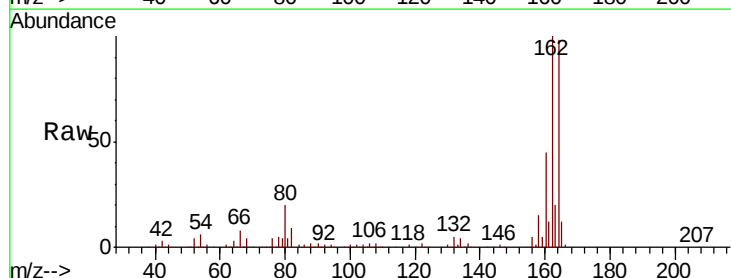
Instrument :
 BNA_M
 ClientSampleId :

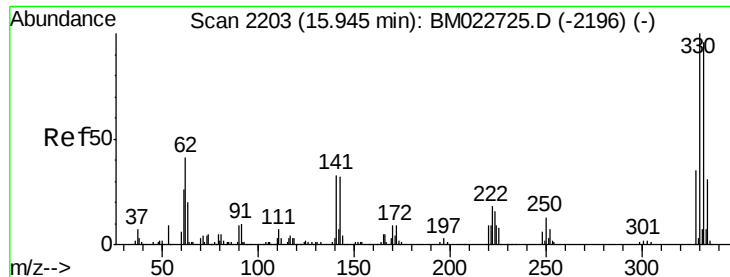
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	38.0	57.0#
65	26.6	10.0	15.0#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.46 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BM022745.D
 Acq: 23 Sep 2019 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.1	121.7
160	46.1	36.9	55.3

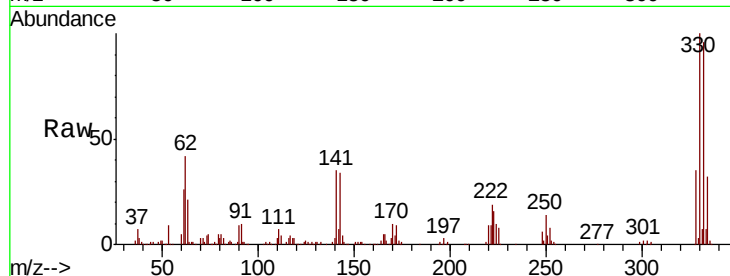




#42
 2,4,6-Tribromophenol
 Concen: 124.931 ng
 RT: 15.95 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: BM022745.D
 Acq: 23 Sep 2019 17:47

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	37.5	28.6	42.8

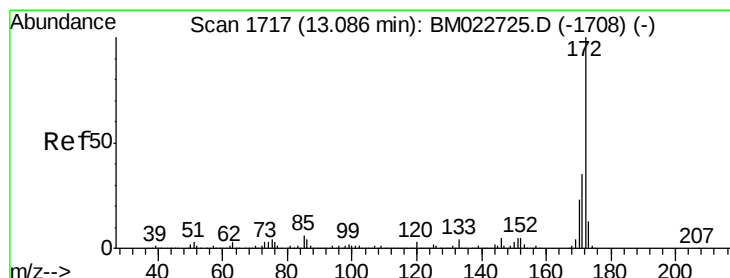
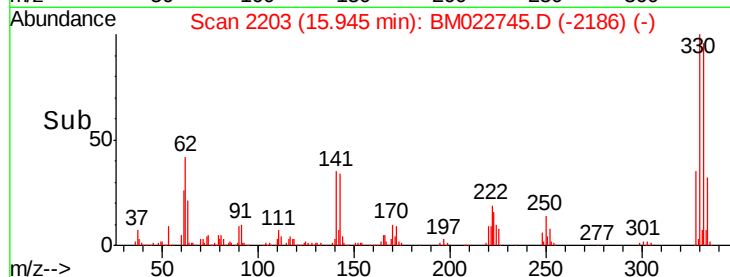
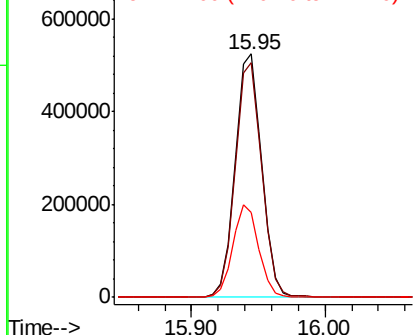


Abundance

Ion 329.80 (329.50 to 330.50): E

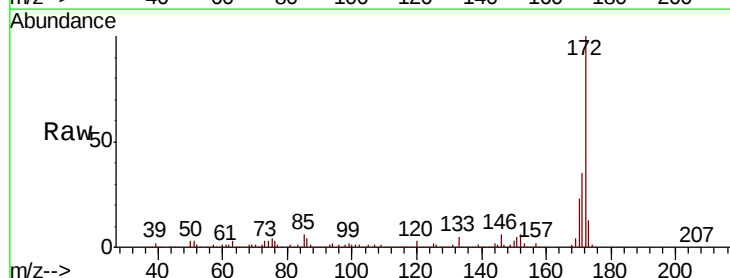
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.059 ng
 RT: 13.08 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BM022745.D
 Acq: 23 Sep 2019 17:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	23.3	18.7	28.1

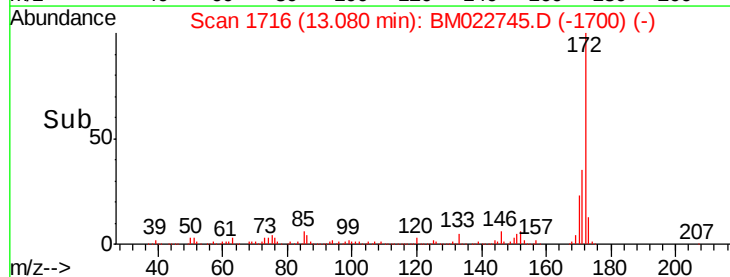
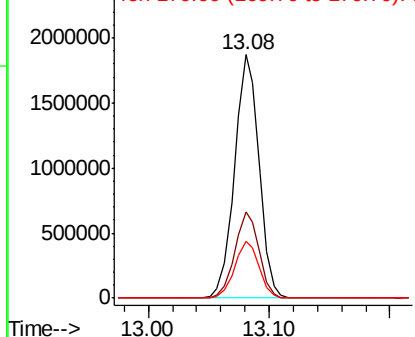


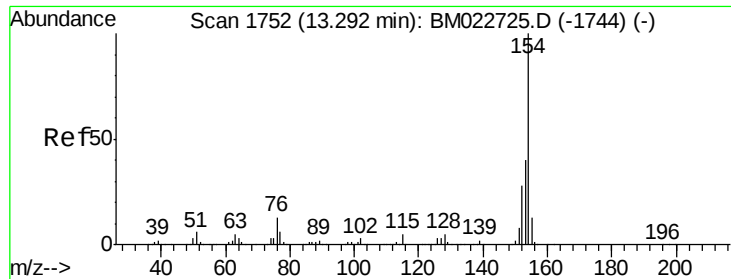
Abundance

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

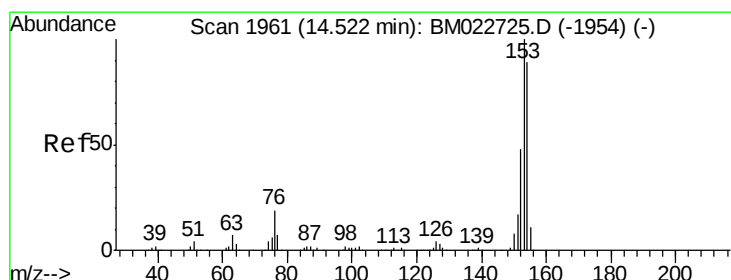
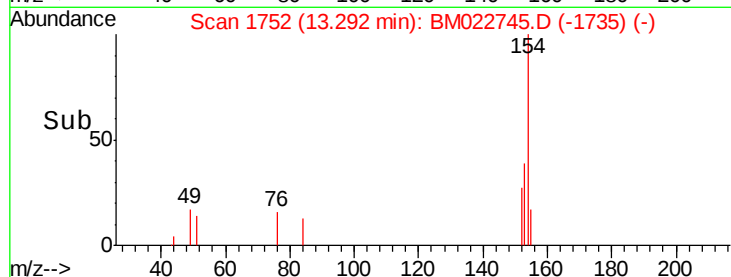
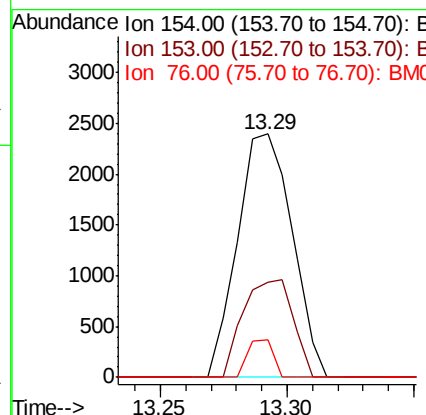
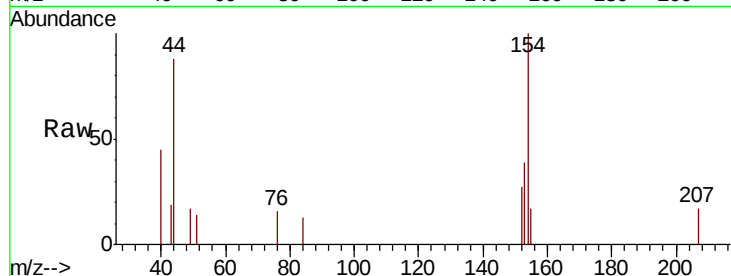




#46
 1,1'-Biphenyl
 Concen: 0.093 ng
 RT: 13.29 min Scan# 1752
 Delta R.T. 0.00 min
 Lab File: BM022745.D
 Acq: 23 Sep 2019 17:47

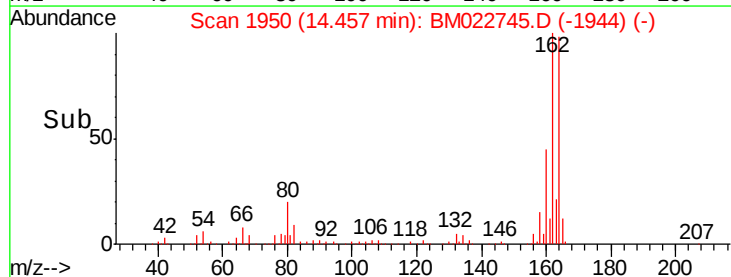
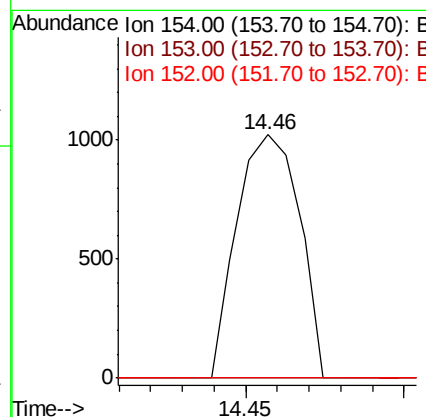
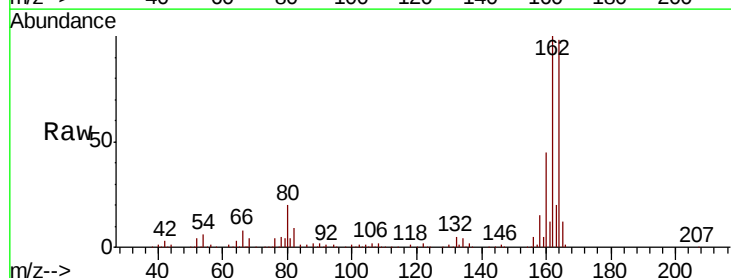
Instrument :
 BNA_M
 ClientSampleId :

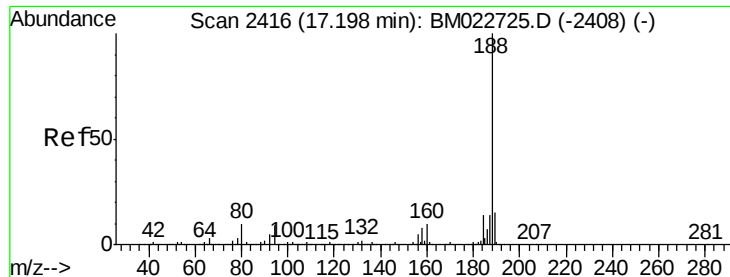
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.1	60.1
76	15.6	0.0	32.6



#52
 Acenaphthene
 Concen: 0.050 ng
 RT: 14.46 min Scan# 1950
 Delta R.T. -0.06 min
 Lab File: BM022745.D
 Acq: 23 Sep 2019 17:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.0	135.0#
152	0.0	42.9	64.3#

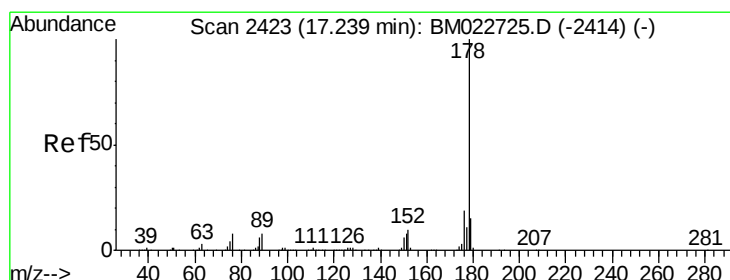
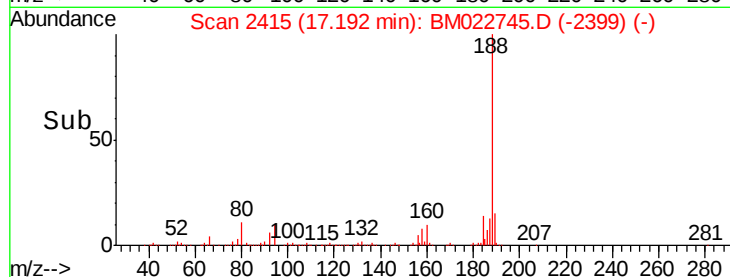
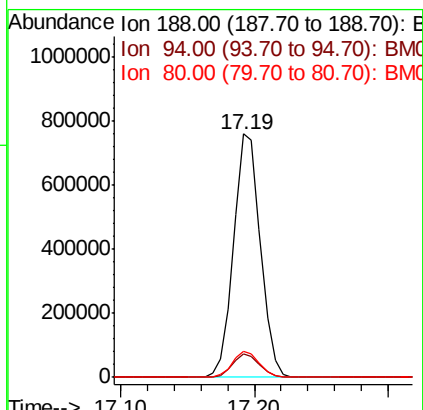
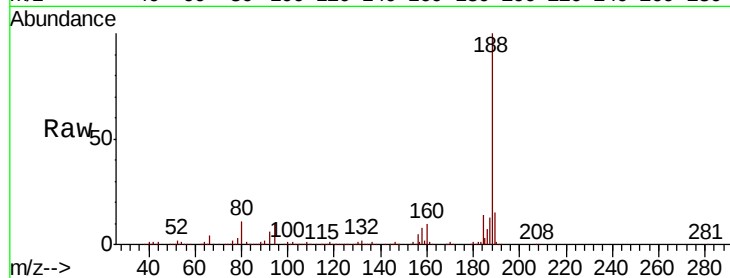




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

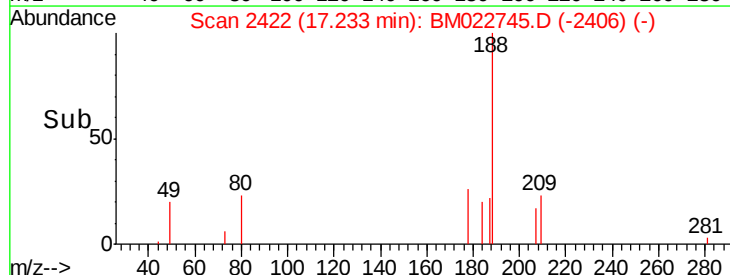
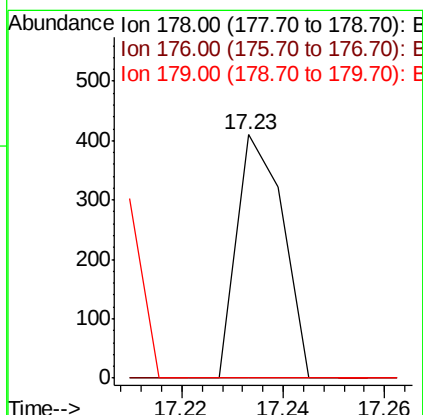
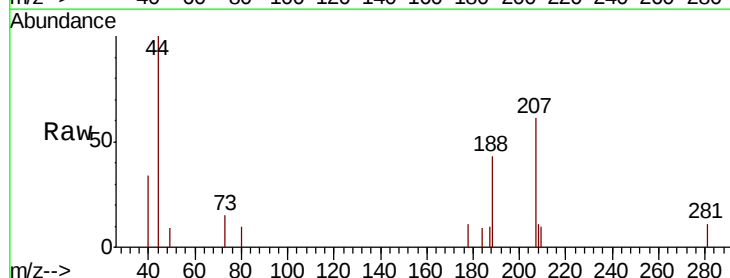
Instrument :
BNA_M
ClientSampleId :

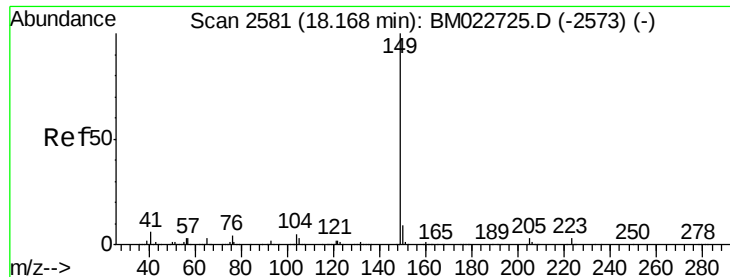
Tot Ion:188 Resp: 1063551
Ion Ratio Lower Upper
188 100
94 9.8 7.3 10.9
80 10.7 7.8 11.8



#71
Phenanthrene
Concen: 0.004 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Tgt Ion:178 Resp: 258
Ion Ratio Lower Upper
178 100
176 0.0 15.4 23.2#
179 0.0 12.3 18.5#





#74

Di-n-butylphthalate

Concen: 0.008 ng

RT: 18.17 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

Instrument :

BNA_M

ClientSampleId :

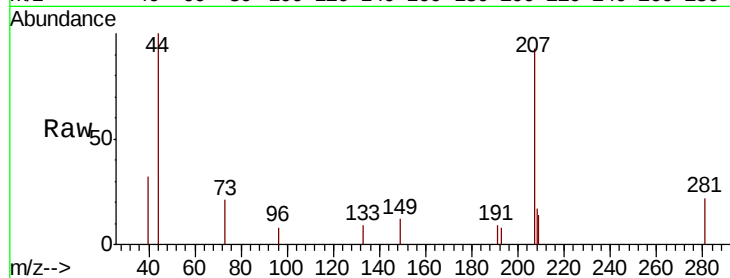
Tot Ion:149 Resp: 475

Ion Ratio Lower Upper

149 100

150 0.0 7.3 10.9#

104 0.0 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

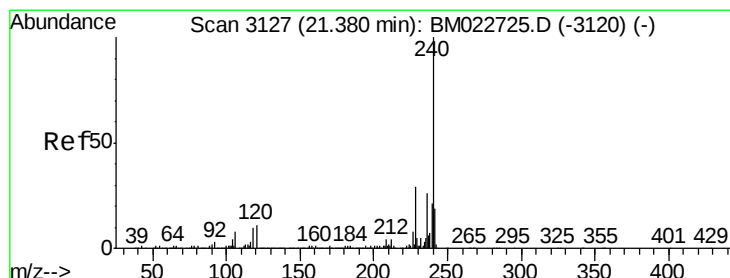
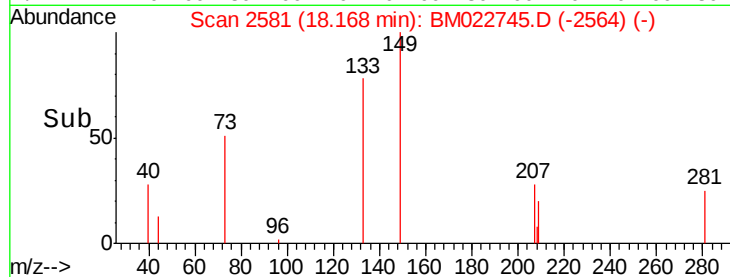
18.17

400

200

0

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

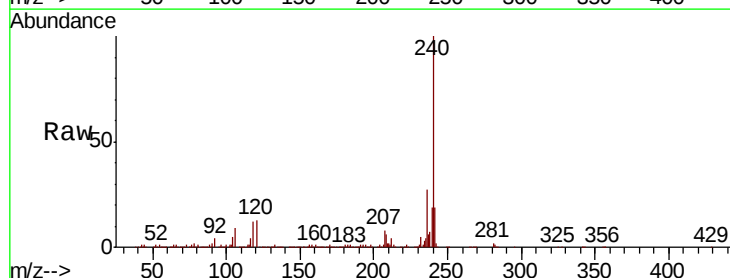
Tgt Ion:240 Resp: 1172208

Ion Ratio Lower Upper

240 100

120 12.5 8.8 13.2

236 26.6 20.8 31.2



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

1200000

1000000

800000

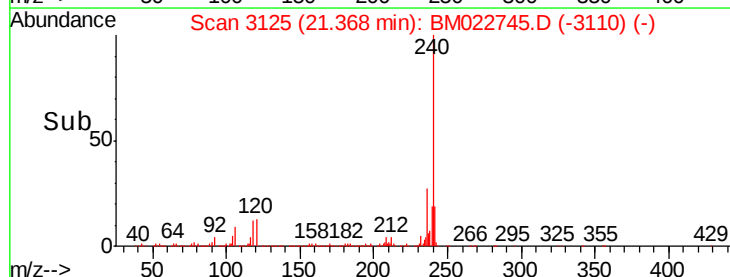
600000

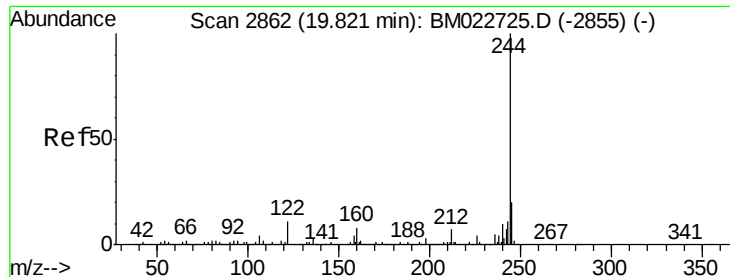
400000

200000

0

Time-->





#79

Terphenyl-d14

Concen: 86.294 ng

RT: 19.82 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

Instrument :

BNA_M

ClientSampled :

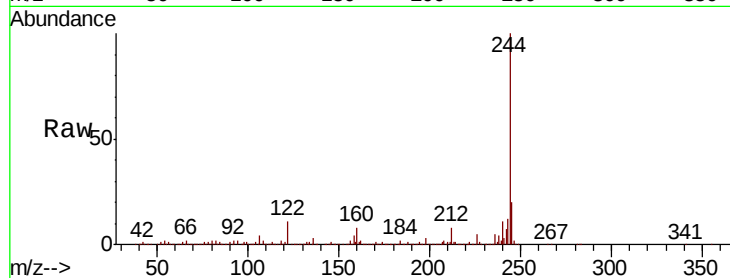
Tot Ion:244 Resp: 5223900

Ion Ratio Lower Upper

244 100

212 7.9 5.9 8.9

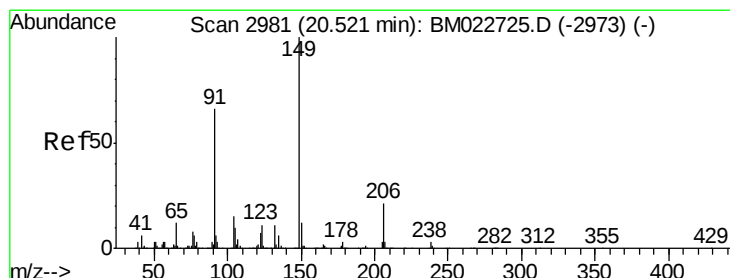
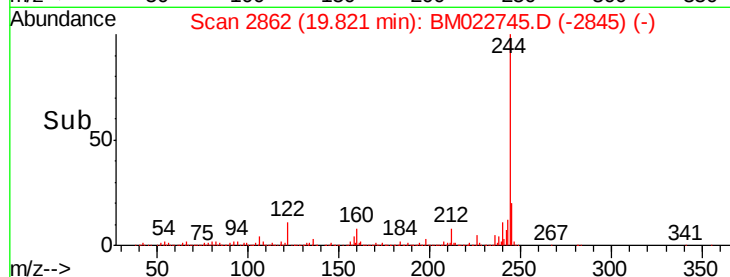
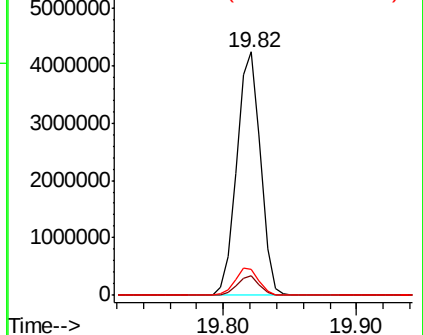
122 10.9 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.004 ng

RT: 20.49 min Scan# 2976

Delta R.T. -0.03 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

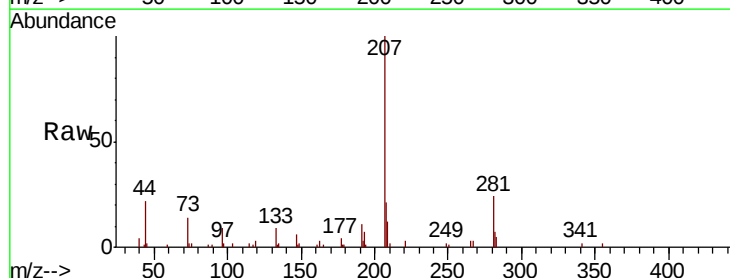
Tgt Ion:149 Resp: 122

Ion Ratio Lower Upper

149 100

91 0.0 53.0 79.4#

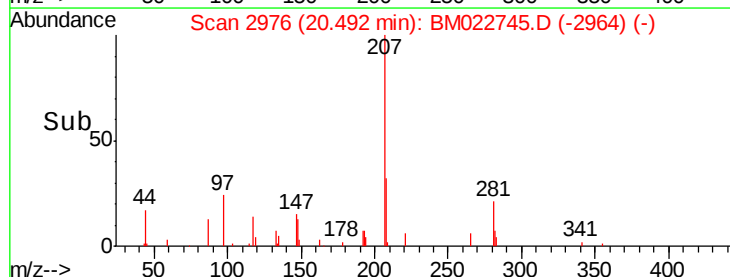
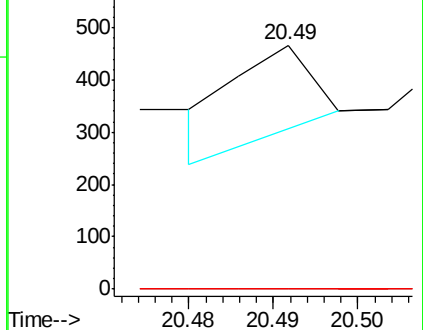
206 0.0 16.9 25.3#

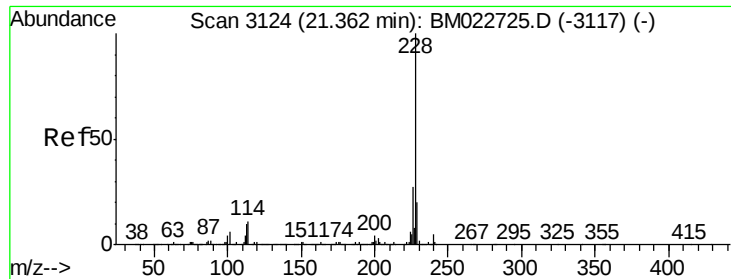


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.043 ng

RT: 21.37 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

Instrument :

BNA_M

ClientSampleId :

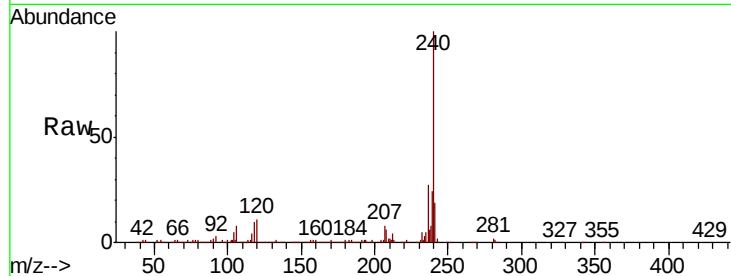
Tot Ion:228 Resp: 3284

Ion Ratio Lower Upper

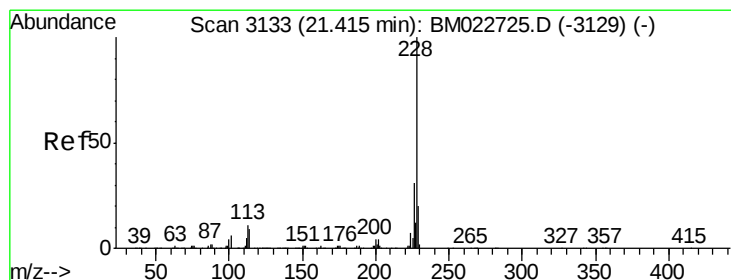
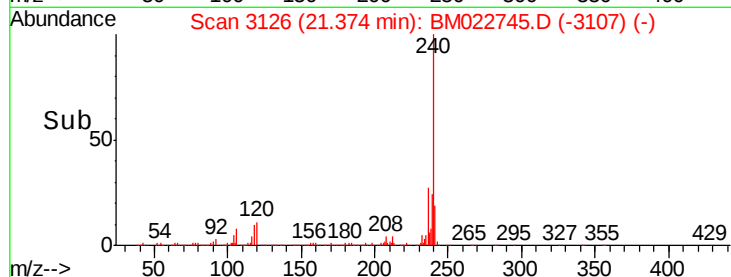
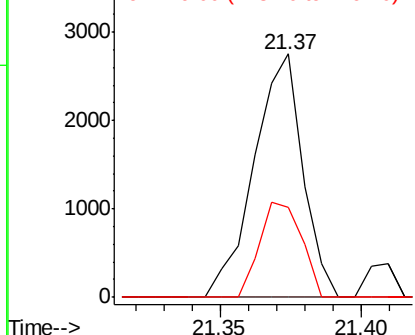
228 100

226 0.0 22.0 33.0#

229 37.2 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 0.004 ng

RT: 21.41 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

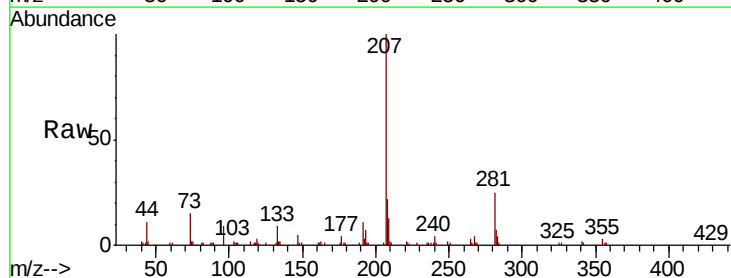
Tgt Ion:228 Resp: 258

Ion Ratio Lower Upper

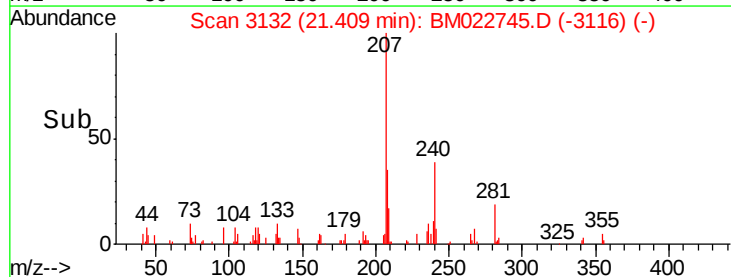
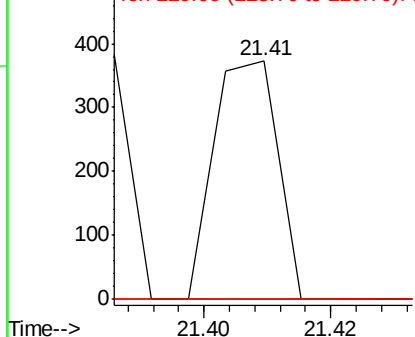
228 100

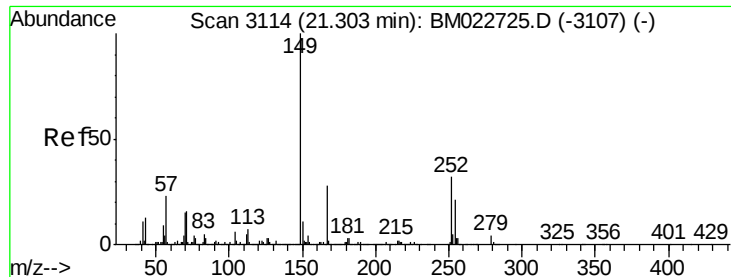
226 0.0 24.5 36.7#

229 0.0 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.014 ng

RT: 21.29 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

Instrument :

BNA_M

ClientSampleId :

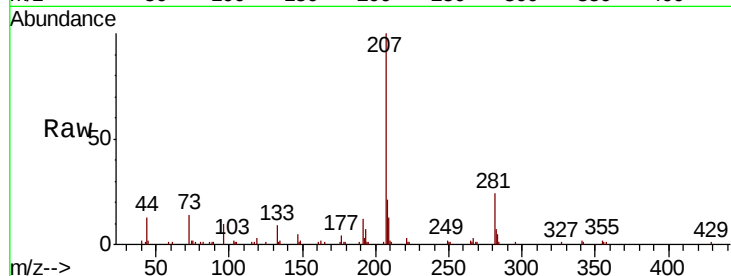
Tot Ion:149 Resp: 621

Ion Ratio Lower Upper

149 100

167 0.0 22.1 33.1#

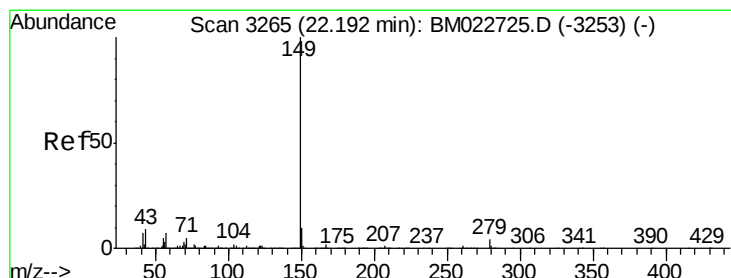
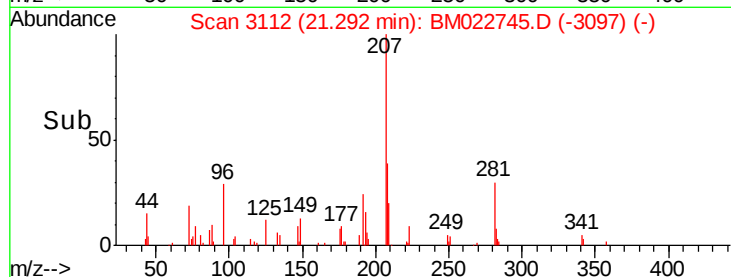
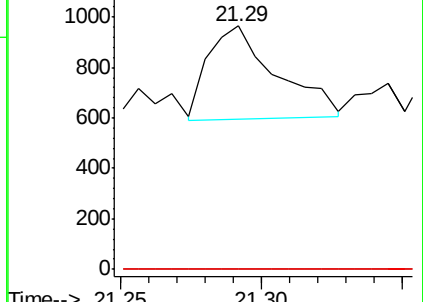
279 0.0 3.4 5.0#



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



#85

Di-n-octyl phthalate

Concen: 0.007 ng

RT: 22.18 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM022745.D

Acq: 23 Sep 2019 17:47

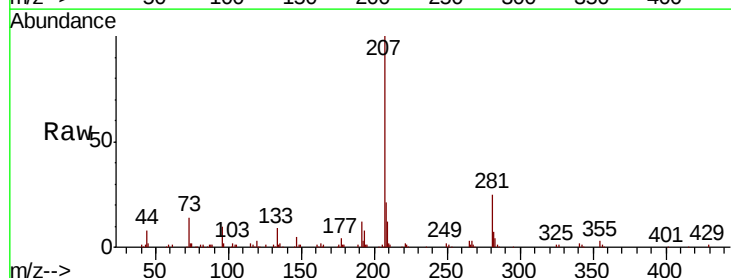
Tgt Ion:149 Resp: 483

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

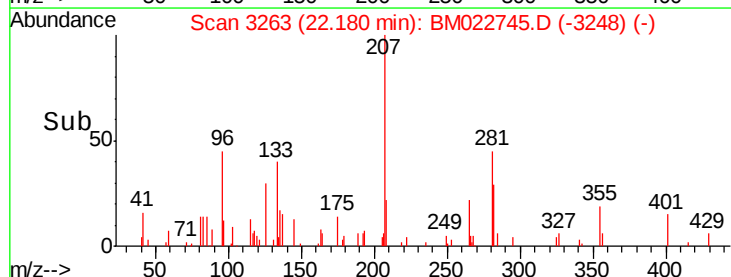
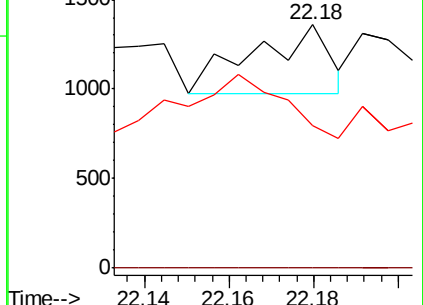
43 52.6 7.4 11.0#

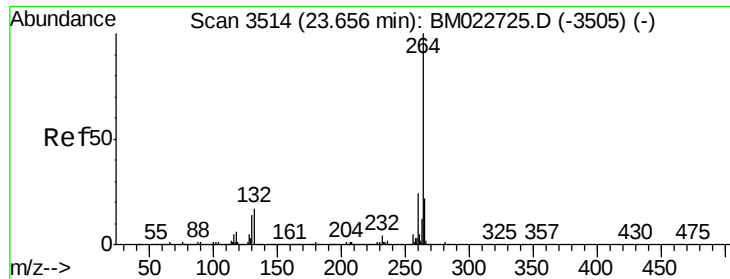


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



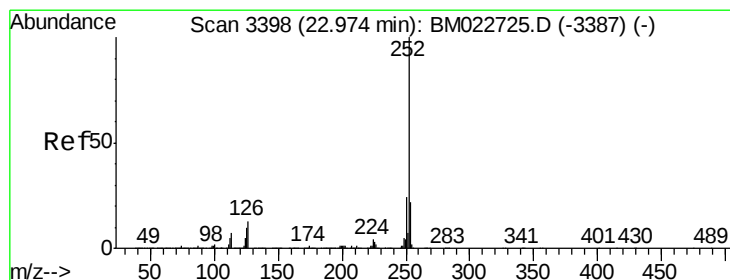
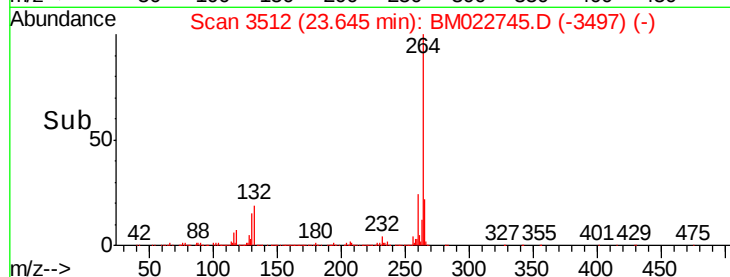
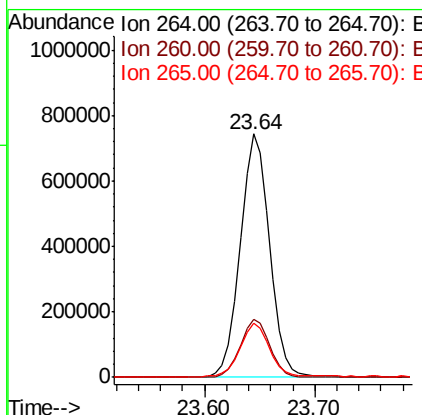
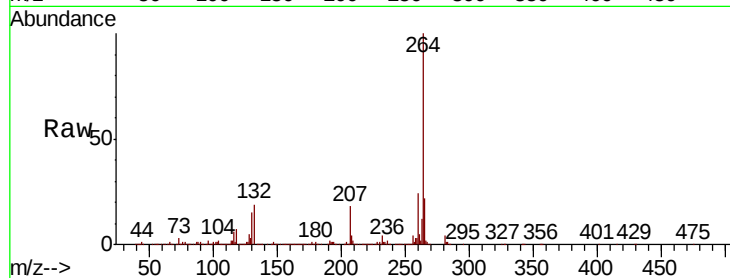


#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Instrument :
BNA_M
ClientSampled :

Tot Ion:264 Resp: 1392309

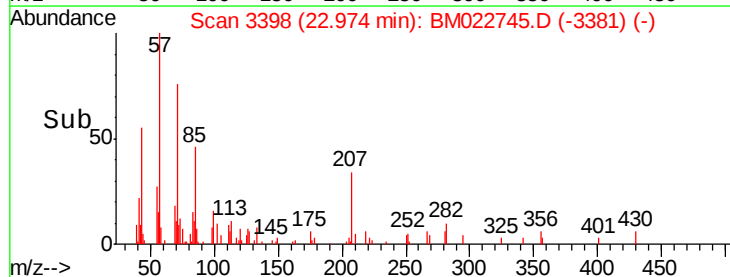
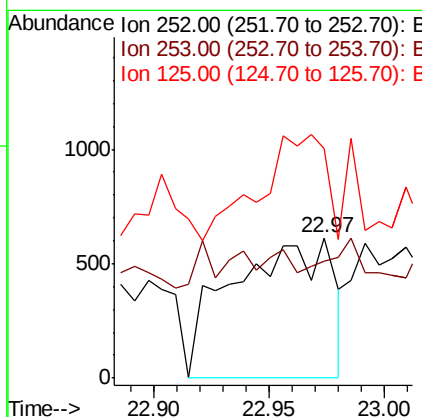
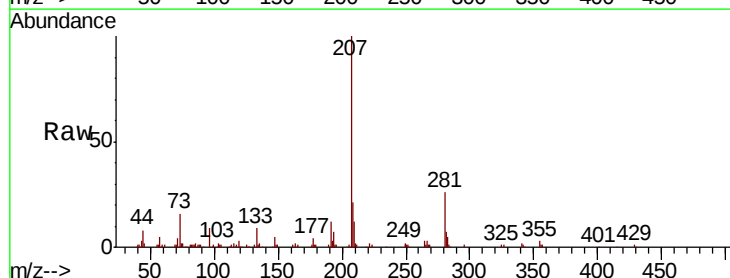
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	22.2	17.9	26.9

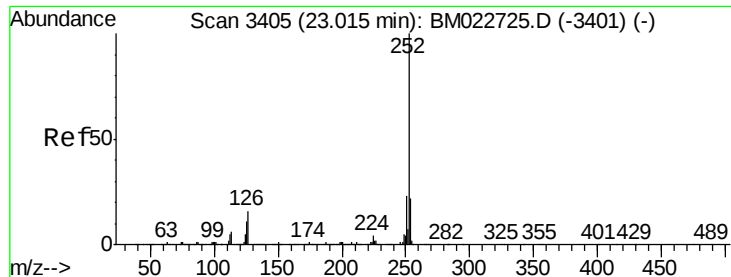


#88
Benzo(b)fluoranthene
Concen: 0.022 ng
RT: 22.97 min Scan# 3398
Delta R.T. 0.00 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Tgt Ion:252 Resp: 1816

Ion	Ratio	Lower	Upper
252	100		
253	83.2	17.7	26.5#
125	163.9	8.2	12.4#

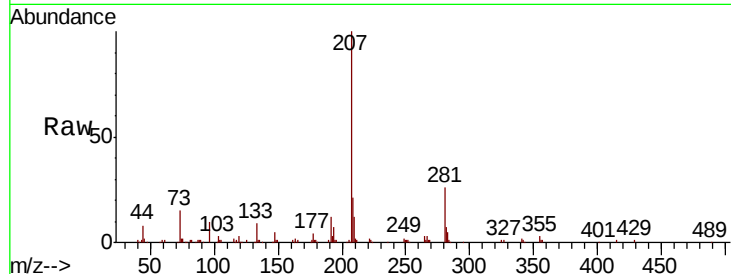




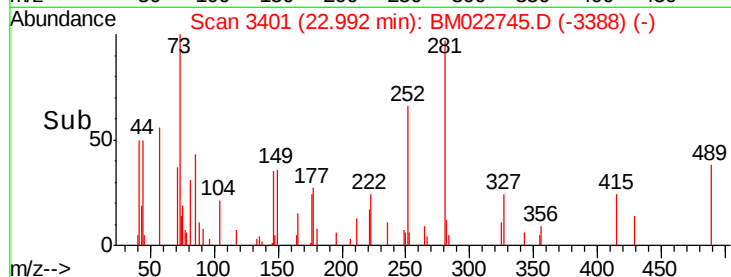
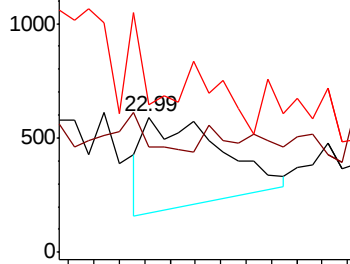
#89
Benzo(k)fluoranthene
Concen: 0.010 ng
RT: 22.99 min Scan# 3401
Delta R.T. -0.02 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Instrument :
BNA_M
ClientSampleId :

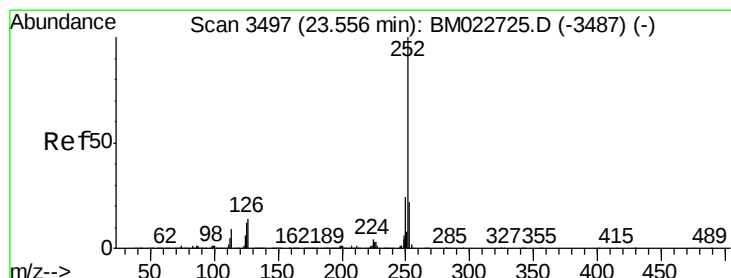
Tot Ion:252 Resp: 830
Ion Ratio Lower Upper
252 100
253 78.2 17.7 26.5#
125 109.0 8.5 12.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

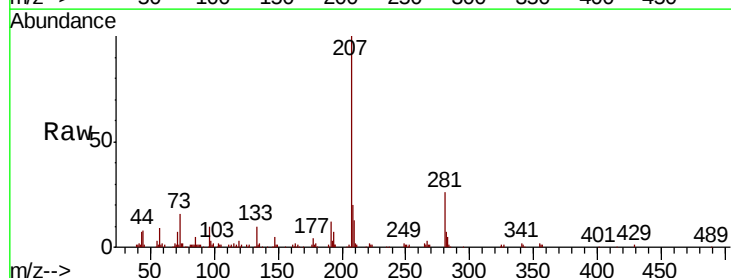


Time-->



#90
Benzo(a)pyrene
Concen: 0.016 ng
RT: 23.55 min Scan# 3496
Delta R.T. -0.01 min
Lab File: BM022745.D
Acq: 23 Sep 2019 17:47

Tgt Ion:252 Resp: 1264
Ion Ratio Lower Upper
252 100
253 124.7 17.3 25.9#
125 197.8 9.3 13.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

