

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
 Data File : BM022427.D
 Acq On : 30 Aug 2019 02:51
 Operator : HP/JU
 Sample : K4514-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S301A-J-2.0-2.5-082319

Quant Time: Aug 30 08:54:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	18038	20.00	ng	0.00
21) Naphthalene-d8	10.30	136	62585	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	39491	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	92482	20.00	ng	0.00
76) Chrysene-d12	21.17	240	127513	20.00	ng	0.00
87) Perylene-d12	23.36	264	154021	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	141316	137.52	ng	0.00
7) Phenol-d6	6.72	99	181682	132.21	ng	0.00
23) Nitrobenzene-d5	8.69	82	120328	84.21	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	94573	117.03	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	217388	62.36	ng	0.00
79) Terphenyl-d14	19.60	244	484075	50.10	ng	0.00

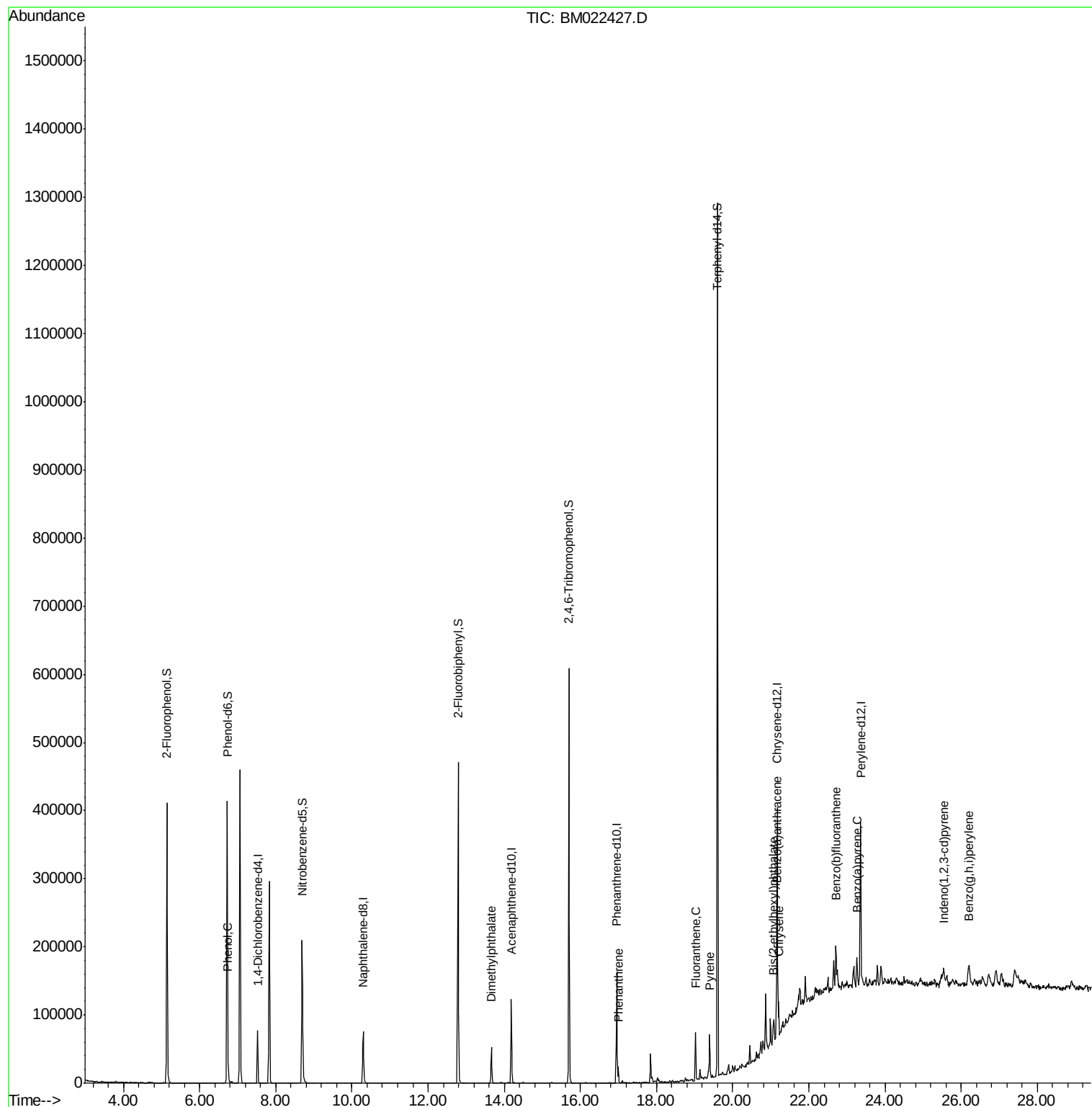
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.75	94	5370	3.890	ng	# 74
50) Dimethylphthalate	13.66	163	35124	10.226	ng	98
71) Phenanthrene	17.00	178	14665	2.720	ng	95
75) Fluoranthene	19.03	202	41439	5.772	ng	96
78) Pyrene	19.39	202	39542	4.550	ng	# 96
81) Benzo(a)anthracene	21.15	228	25757	2.814	ng	96
83) Chrysene	21.20	228	25986	2.983	ng	99
84) Bis(2-ethylhexyl)phthalate	21.07	149	9060	2.200	ng	99
86) Indeno(1,2,3-cd)pyrene	25.54	276	17535	2.001	ng	98
88) Benzo(b)fluoranthene	22.71	252	33886	3.167	ng	# 95
90) Benzo(a)pyrene	23.26	252	24953	2.627	ng	# 98
92) Benzo(a,h,i)perylene	26.21	276	16543	2.004	ng	95

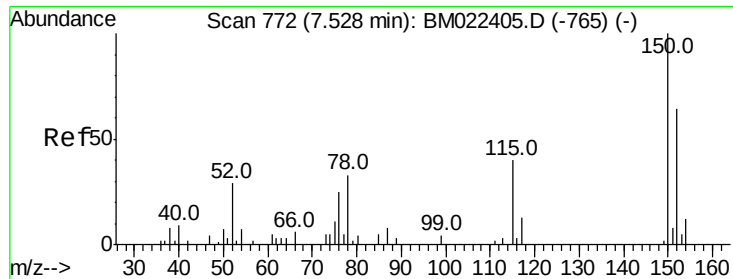
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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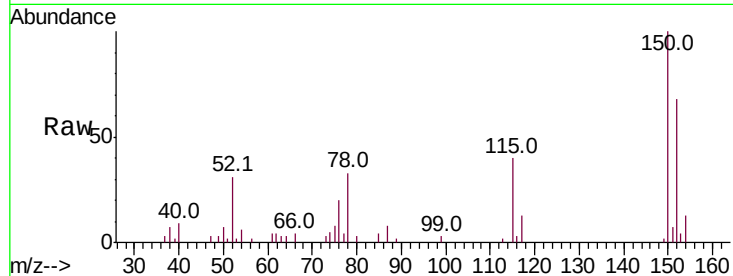


#1

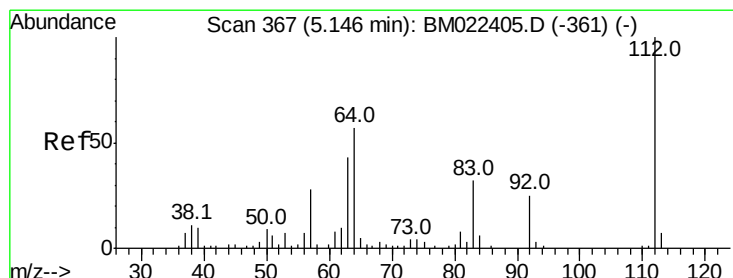
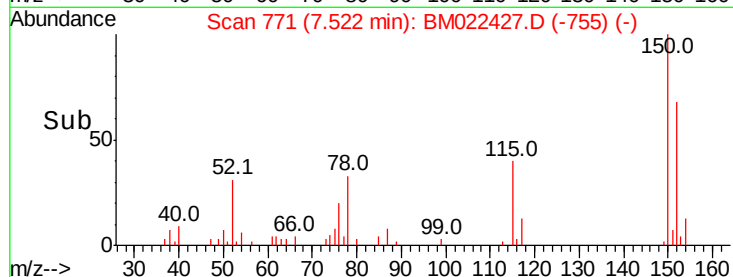
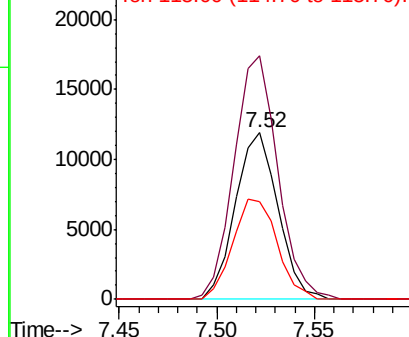
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM022427.D
Acq: 30 Aug 2019 02:51

Instrument :
BNA_M
ClientSampleId :
S301A-J-2.0-2.5-082319

Tot Ion:152 Resp: 18038
Ion Ratio Lower Upper
152 100
150 146.1 125.4 188.0
115 58.9 50.3 75.5



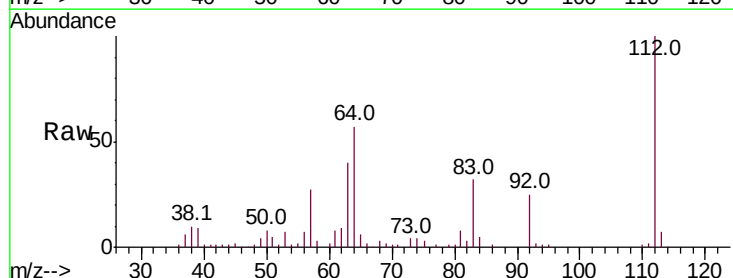
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



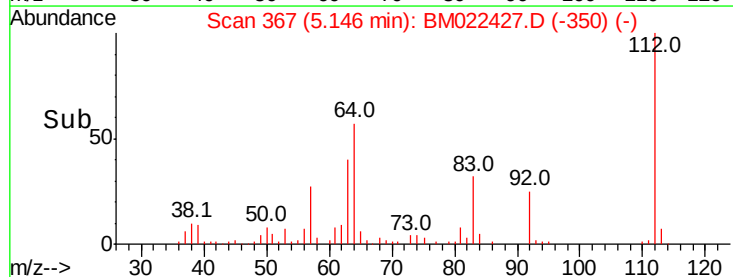
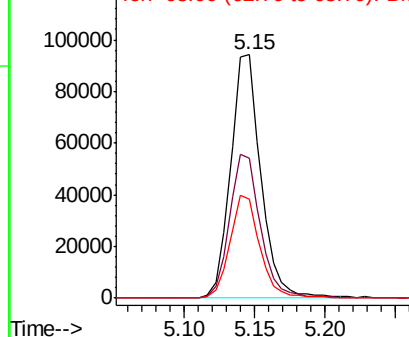
#5

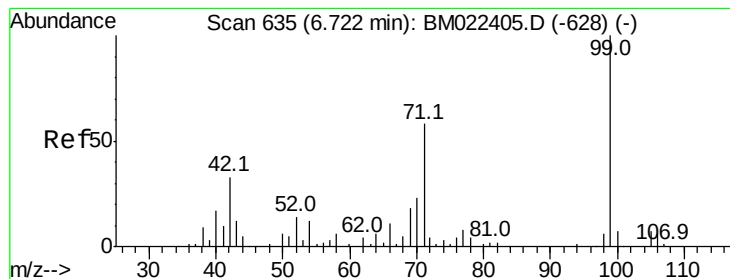
2-Fluorophenol
Concen: 137.519 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022427.D
Acq: 30 Aug 2019 02:51

Tgt Ion:112 Resp: 141316
Ion Ratio Lower Upper
112 100
64 57.4 45.4 68.2
63 40.5 34.5 51.7



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: 132.210 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

BNA_M

ClientSampleId :

S301A-J-2.0-2.5-082319

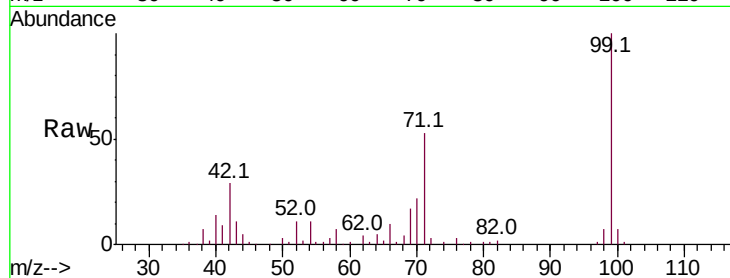
Tot Ion: 99 Resp: 181682

Ion Ratio Lower Upper

99 100

42 29.3 26.3 39.5

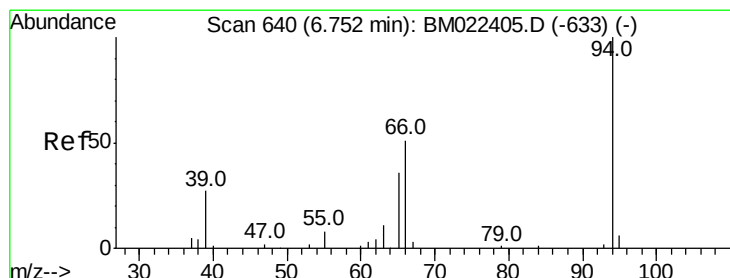
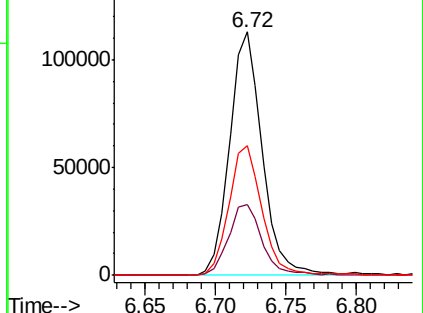
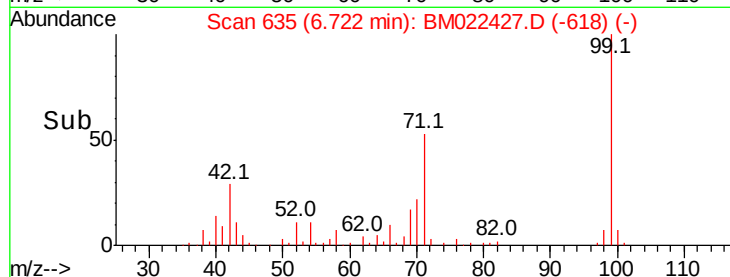
71 53.2 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022405.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM022405.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM022405.D (-628) (-)



#10

Phenol

Concen: 3.890 ng

RT: 6.75 min Scan# 639

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

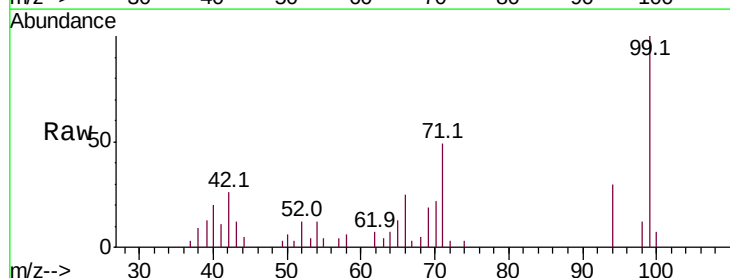
Tgt Ion: 94 Resp: 5370

Ion Ratio Lower Upper

94 100

65 45.6 17.7 57.7

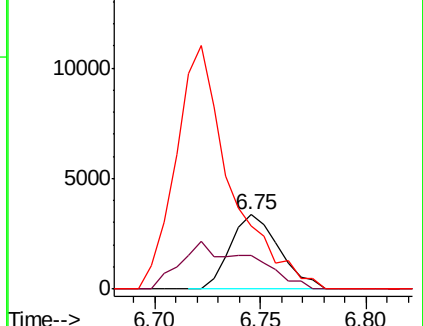
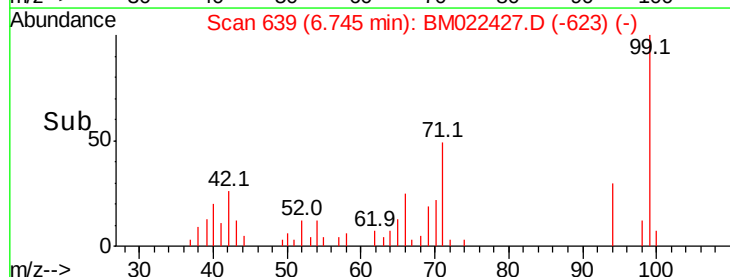
66 85.8 39.6 79.6#

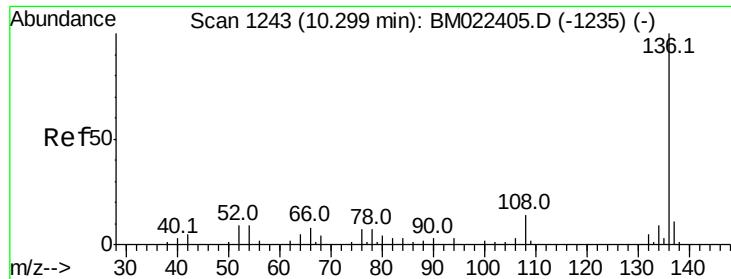


Abundance Ion 94.00 (93.70 to 94.70): BM022405.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM022405.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM022405.D (-633) (-)

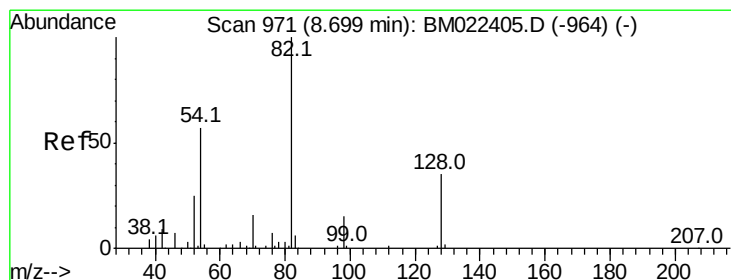
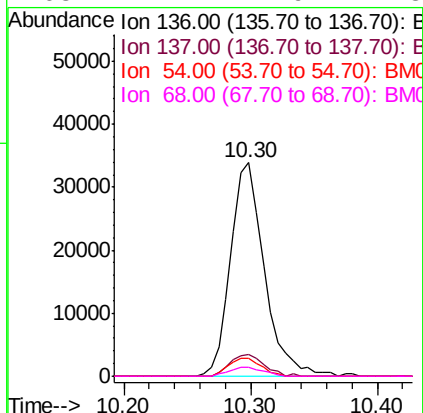
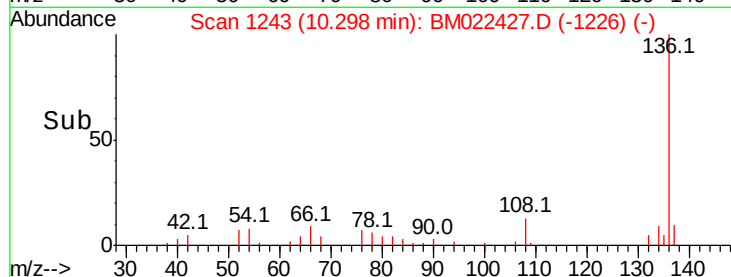
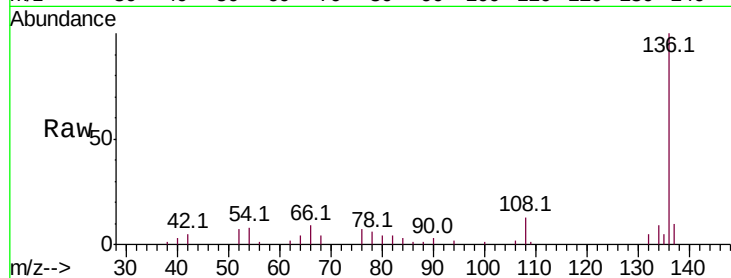




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.30 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BM022427.D
Acq: 30 Aug 2019 02:51

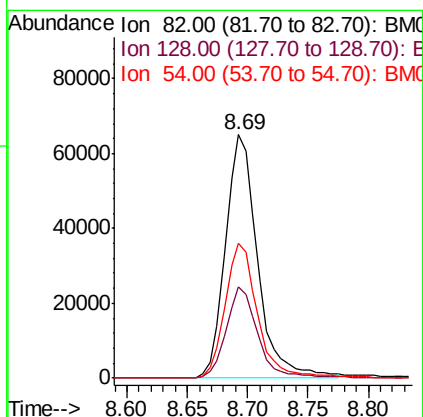
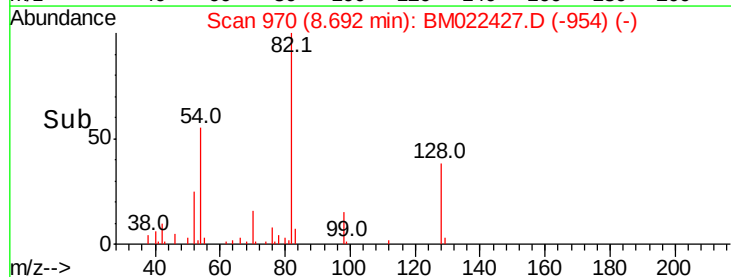
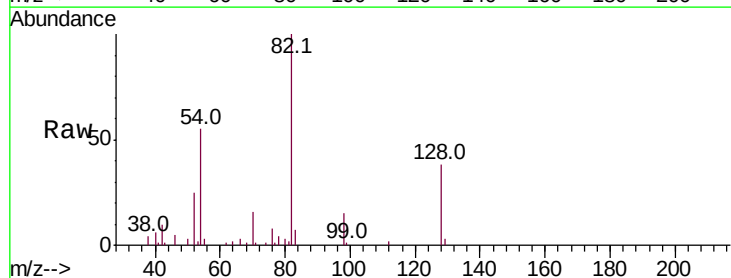
Instrument :
BNA_M
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S301A-J-2.0-2.5-082319

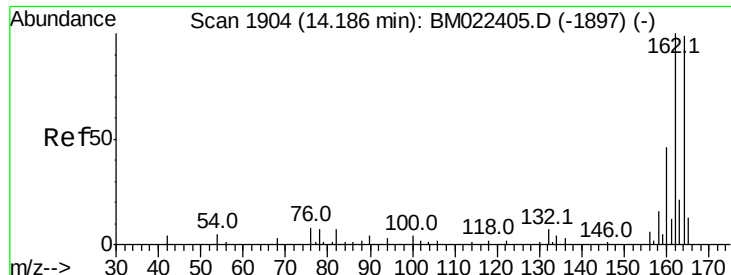
Tot Ion:	136	Resp:	62585
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	8.1	7.0	10.6
68	4.1	2.9	4.3



#23
Nitrobenzene-d5
Concen: 84.212 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022427.D
Acq: 30 Aug 2019 02:51

Tgt Ion:	82	Resp:	120328
Ion	Ratio	Lower	Upper
82	100		
128	37.7	27.9	41.9
54	55.3	45.2	67.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.19 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

BNA_M

ClientSampleId :

S301A-J-2.0-2.5-082319

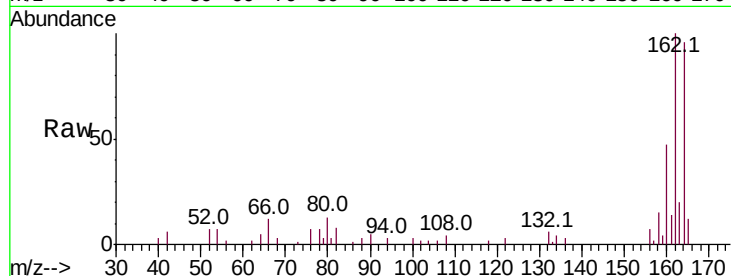
Tot Ion:164 Resp: 39491

Ion Ratio Lower Upper

164 100

162 103.7 80.6 121.0

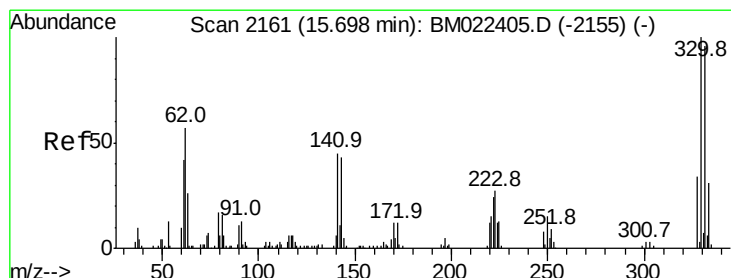
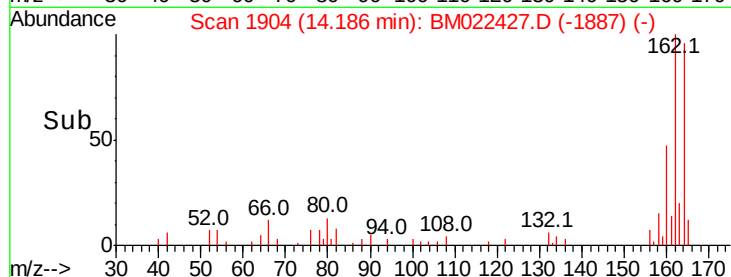
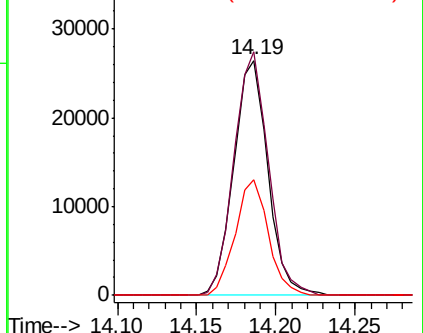
160 49.0 37.3 55.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 117.032 ng

RT: 15.70 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

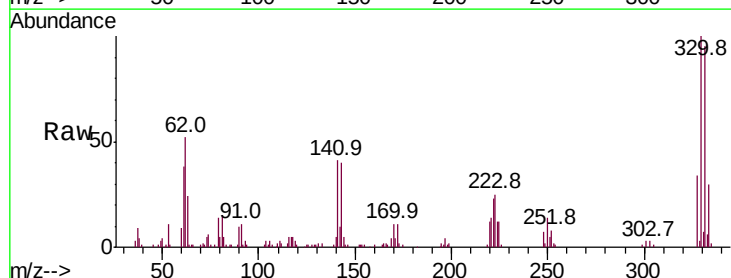
Tgt Ion:330 Resp: 94573

Ion Ratio Lower Upper

330 100

332 95.3 77.8 116.8

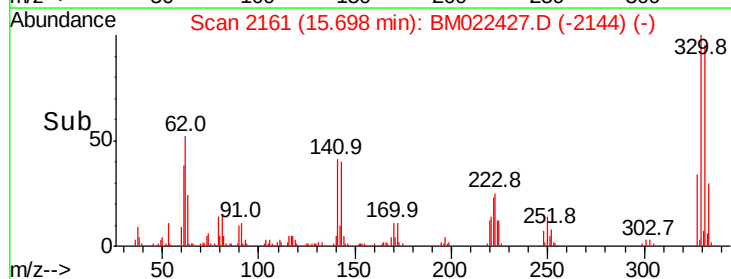
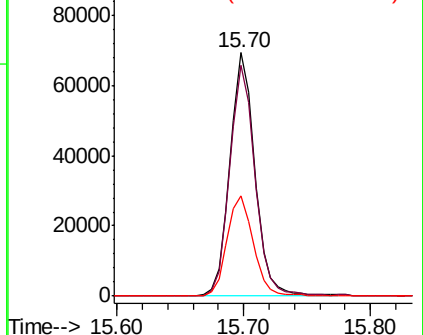
141 42.9 35.6 53.4

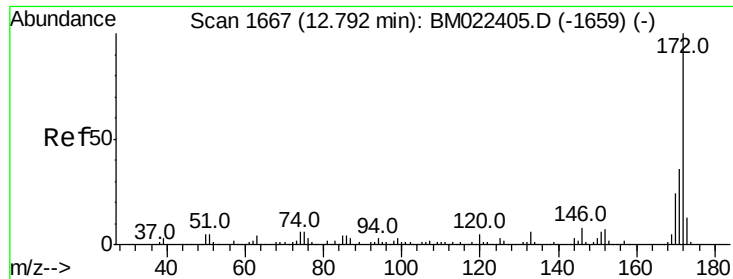


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

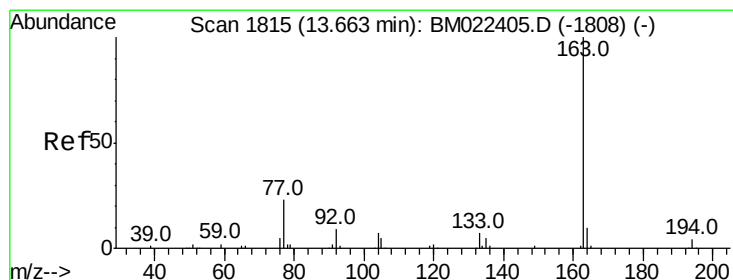
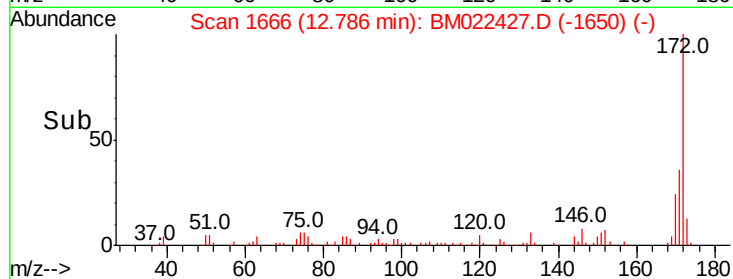
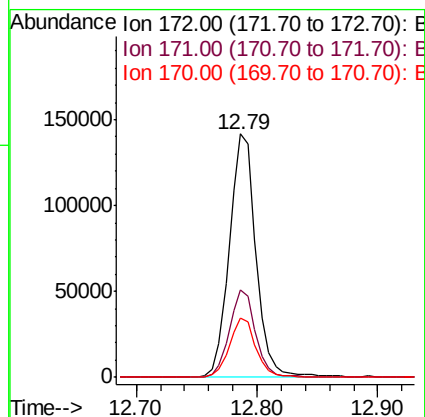
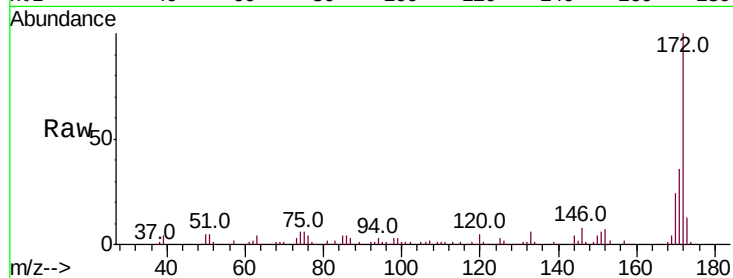




#45
 2-Fluorobiphenyl
 Concen: 62.360 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022427.D
 Acq: 30 Aug 2019 02:51

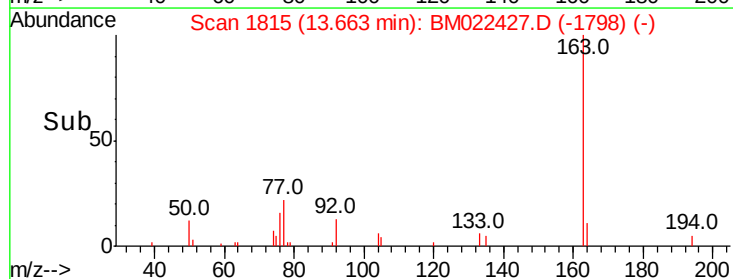
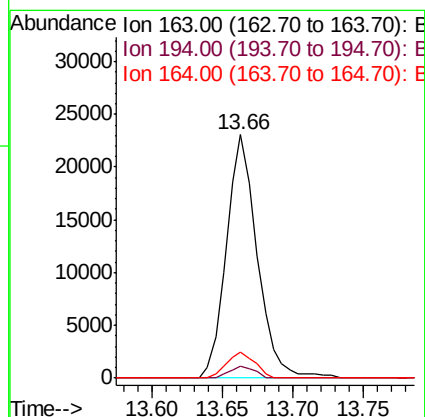
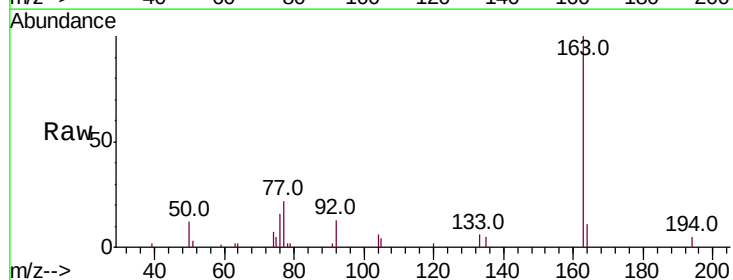
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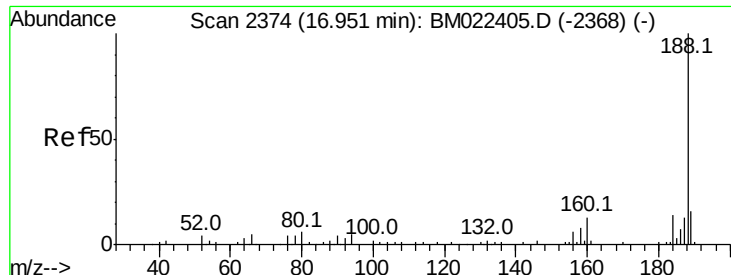
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.5	42.7
170	24.5	18.9	28.3



#50
 Dimethylphthalate
 Concen: 10.226 ng
 RT: 13.66 min Scan# 1815
 Delta R.T. -0.00 min
 Lab File: BM022427.D
 Acq: 30 Aug 2019 02:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.4	5.2
164	10.7	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.95 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

BNA_M

ClientSampleId :

S301A-J-2.0-2.5-082319

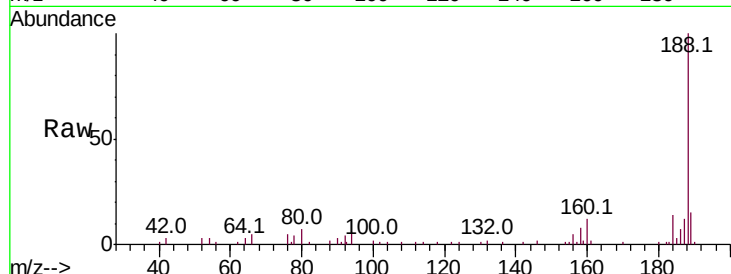
Tot Ion:188 Resp: 92482

Ion Ratio Lower Upper

188 100

94 5.8 4.4 6.6

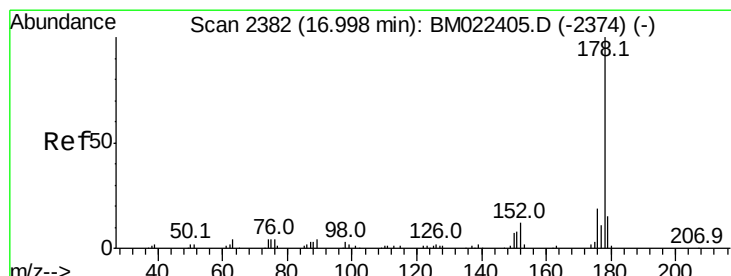
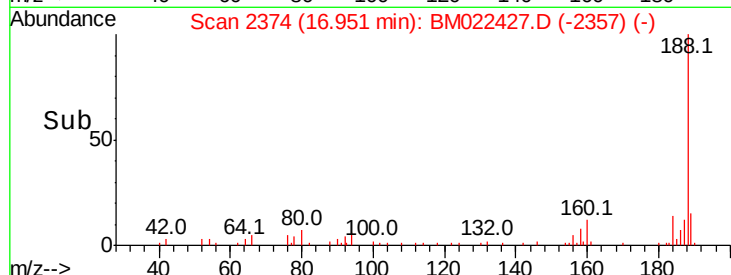
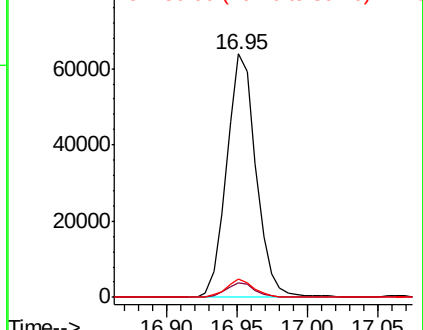
80 7.5 5.0 7.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 2.720 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

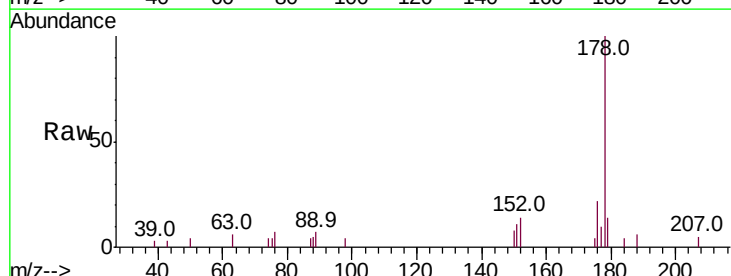
Tgt Ion:178 Resp: 14665

Ion Ratio Lower Upper

178 100

176 21.9 15.4 23.2

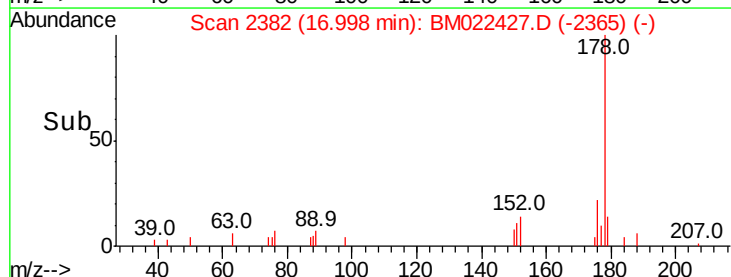
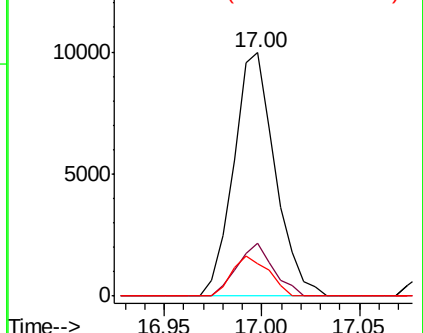
179 13.6 12.3 18.5

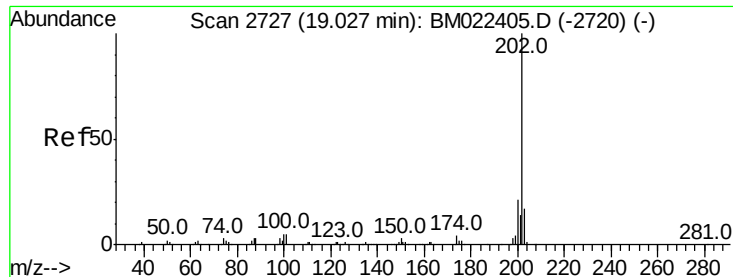


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.772 ng

RT: 19.03 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

BNA_M

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S301A-J-2.0-2.5-082319

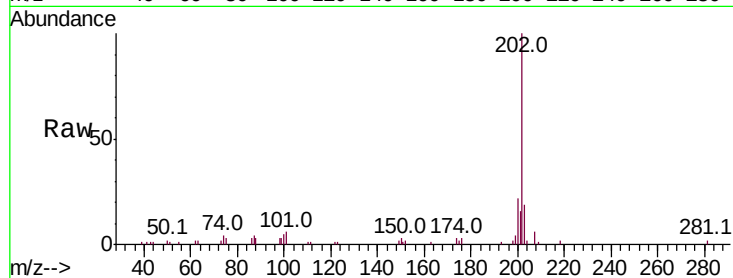
Tot Ion:202 Resp: 41439

Ion Ratio Lower Upper

202 100

101 5.7 0.0 25.1

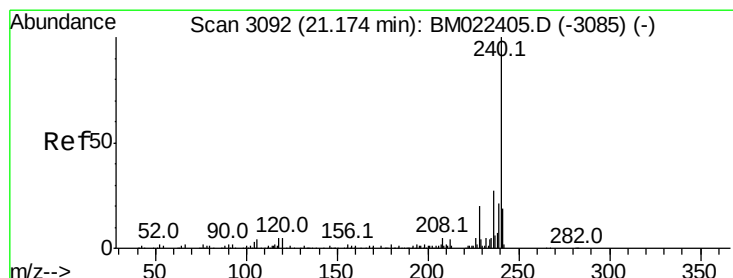
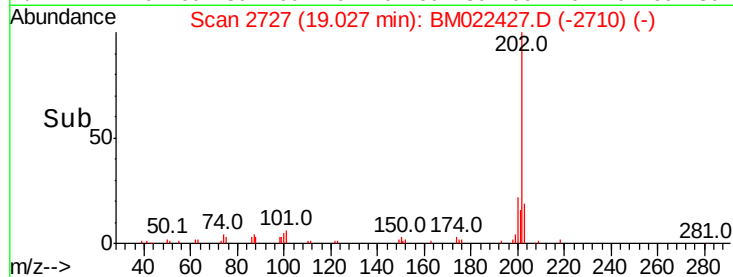
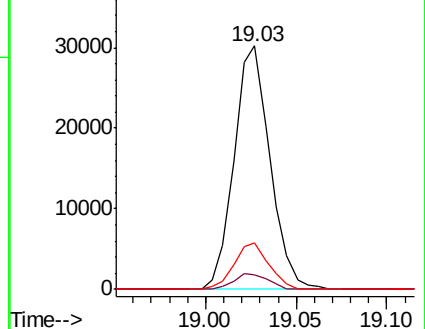
203 19.3 0.0 37.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.17 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

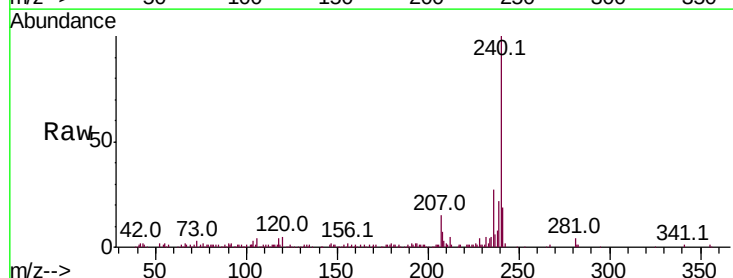
Tgt Ion:240 Resp: 127513

Ion Ratio Lower Upper

240 100

120 5.4 3.9 5.9

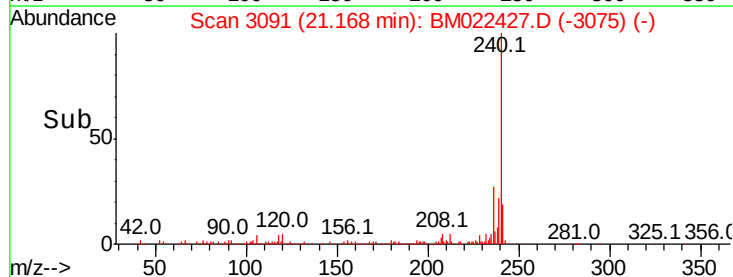
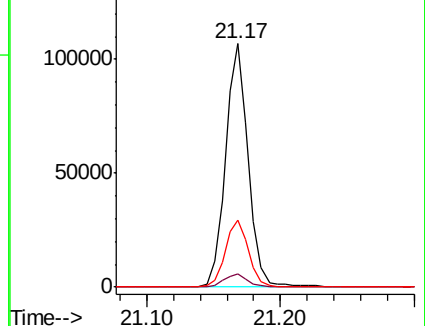
236 27.5 21.4 32.2

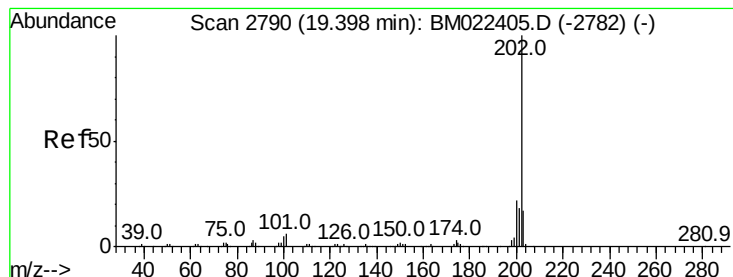


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.550 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

BNA_M

ClientSampleId :

S301A-J-2.0-2.5-082319

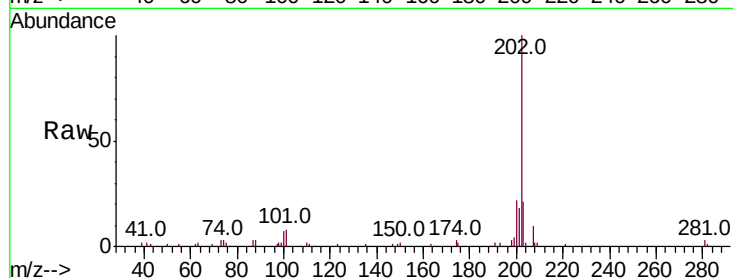
Tot Ion:202 Resp: 39542

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

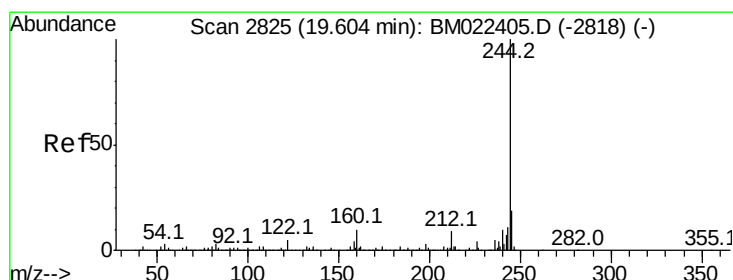
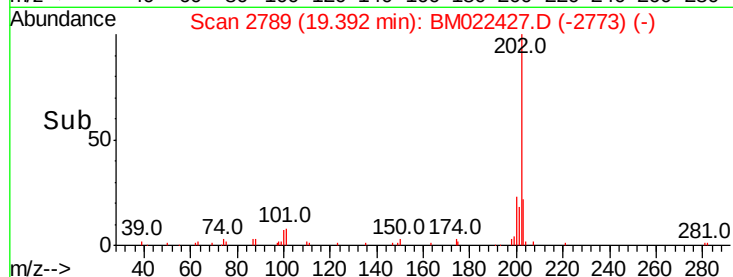
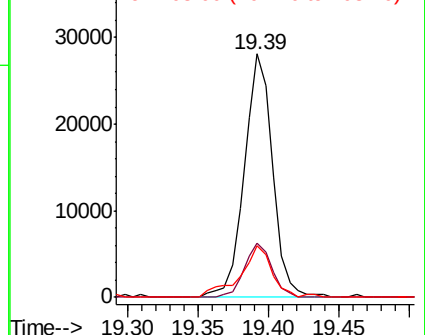
203 21.3 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 50.101 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

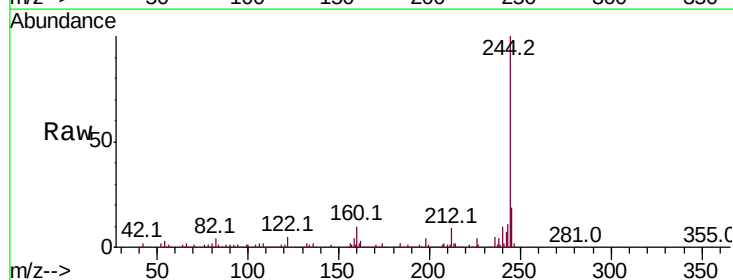
Tgt Ion:244 Resp: 484075

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.4

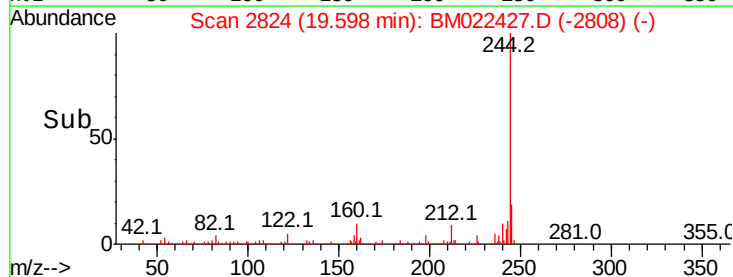
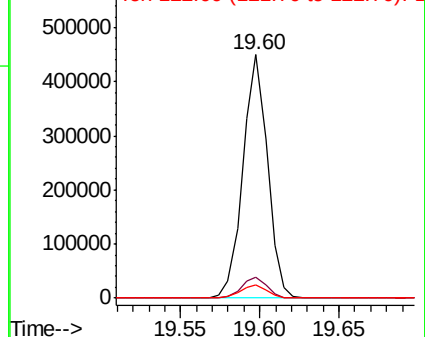
122 5.3 3.9 5.9

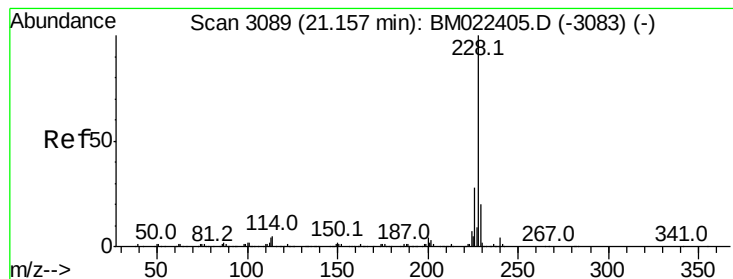


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.814 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

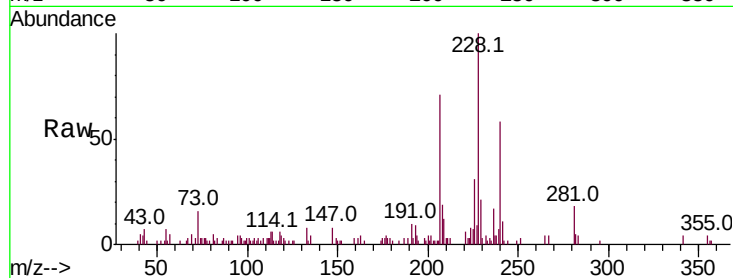
BNA_M

ClientSampleId :

S301A-J-2.0-2.5-082319

Tot Ion:228 Resp: 25757

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	34.0
229	21.2	15.9	23.9

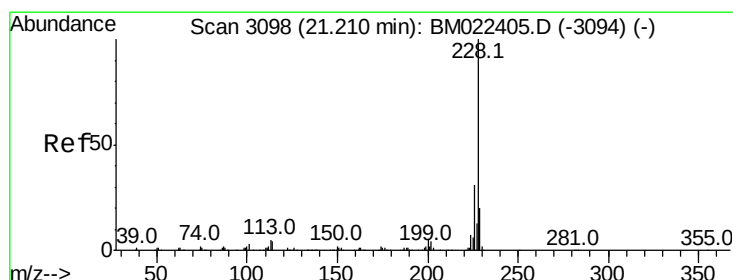
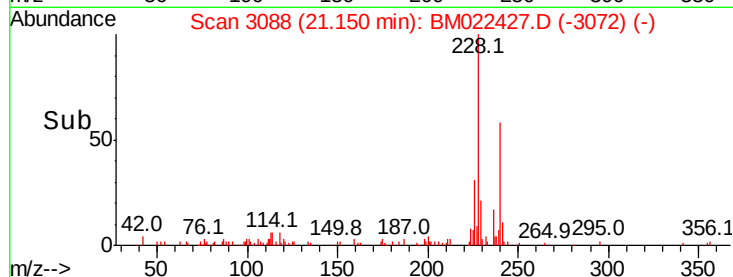
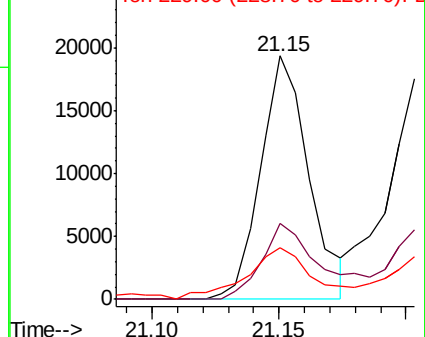


Abundance

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: 2.983 ng

RT: 21.20 min Scan# 3097

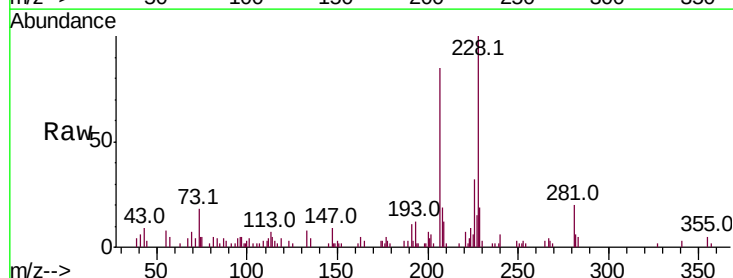
Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Tgt Ion:228 Resp: 25986

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.5	36.7
229	19.4	15.7	23.5

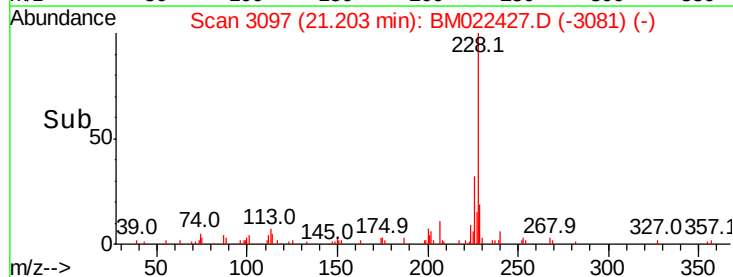
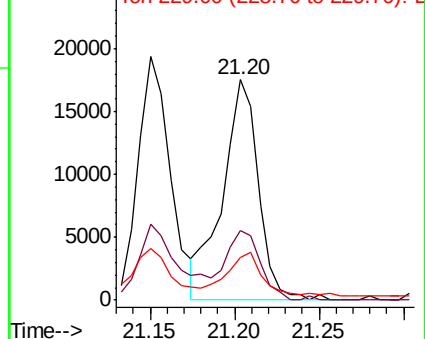


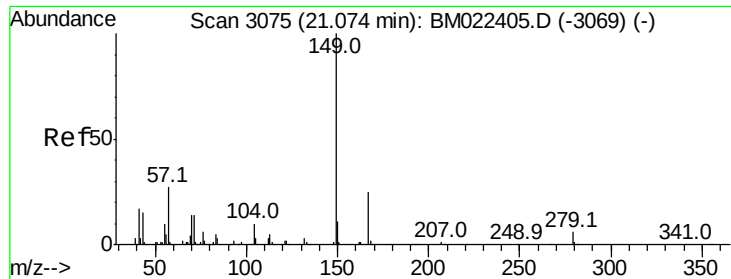
Abundance

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: 2.200 ng

RT: 21.07 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

BNA_M

ClientSampleId :

S301A-J-2.0-2.5-082319

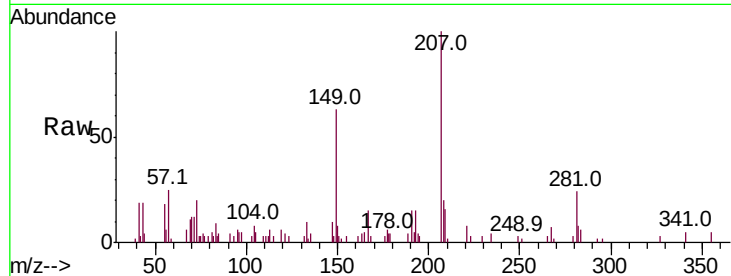
Tot Ion:149 Resp: 9060

Ion Ratio Lower Upper

149 100

167 23.9 19.6 29.4

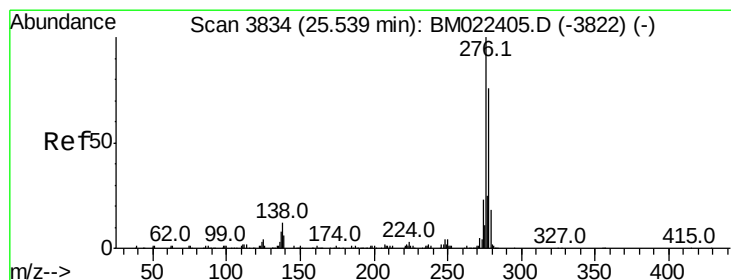
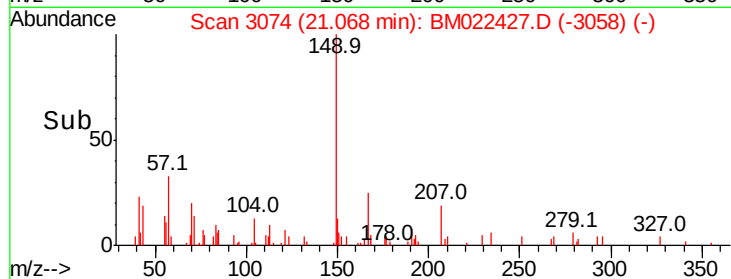
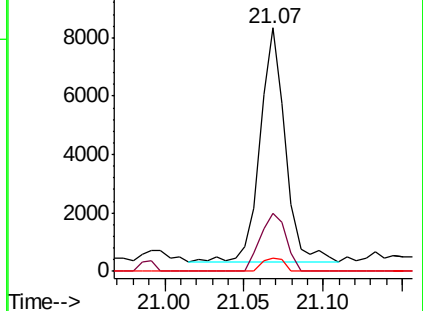
279 5.4 4.4 6.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.001 ng

RT: 25.54 min Scan# 3835

Delta R.T. 0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

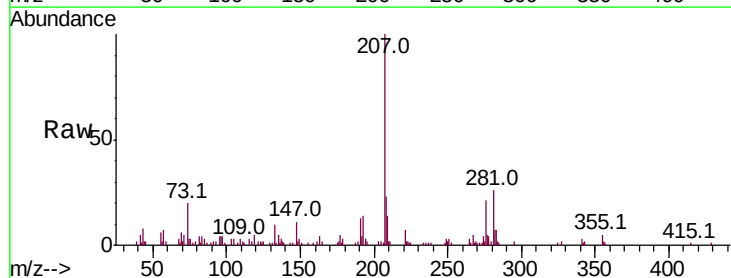
Tgt Ion:276 Resp: 17535

Ion Ratio Lower Upper

276 100

138 10.6 9.1 13.7

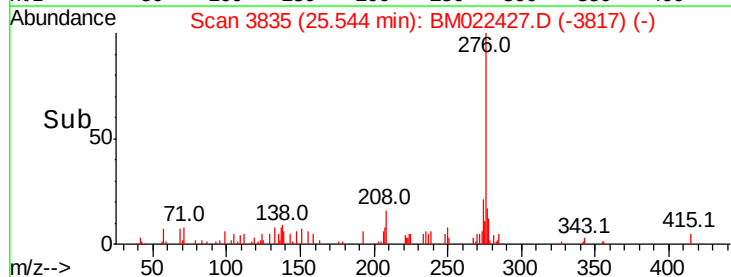
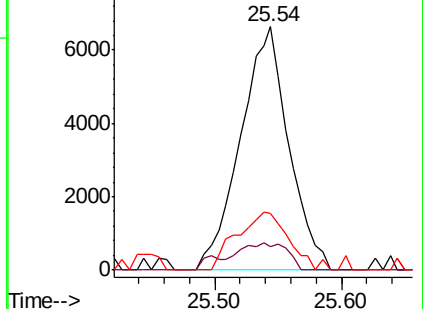
277 25.9 20.0 30.0

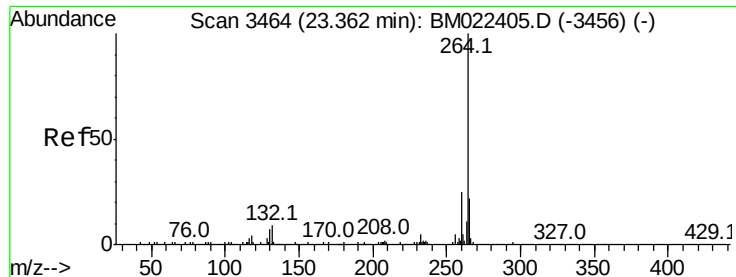


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

BNA_M

ClientSampleId :

S301A-J-2.0-2.5-082319

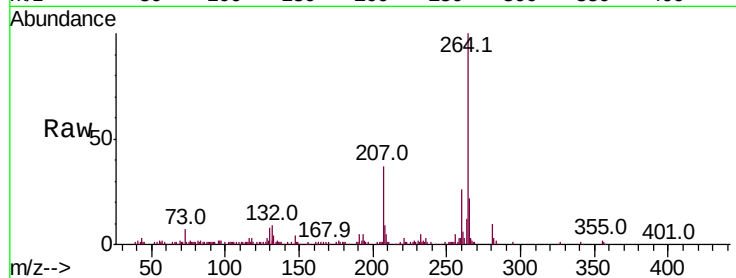
Tot Ion:264 Resp: 154021

Ion Ratio Lower Upper

264 100

260 26.2 20.2 30.2

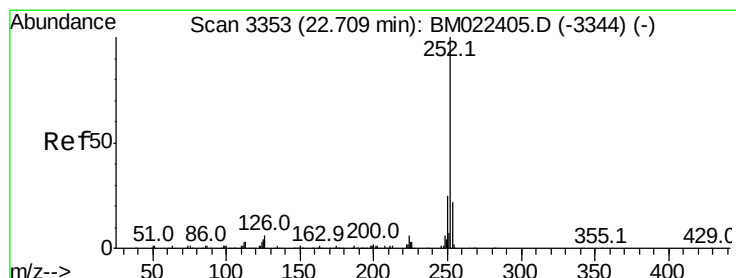
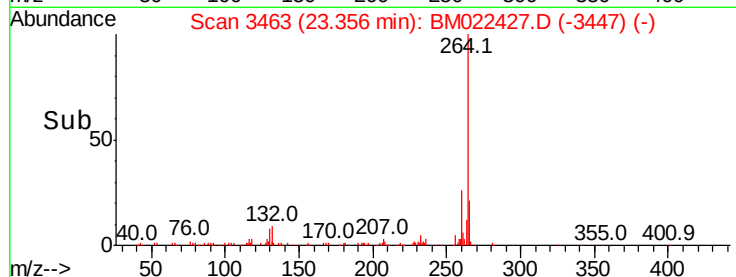
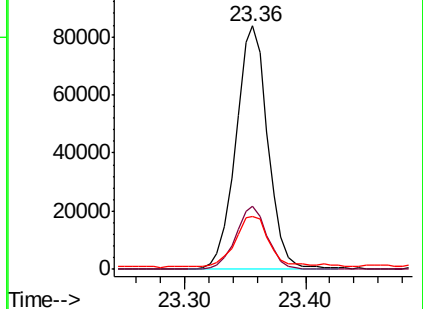
265 21.9 18.2 27.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.167 ng

RT: 22.71 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

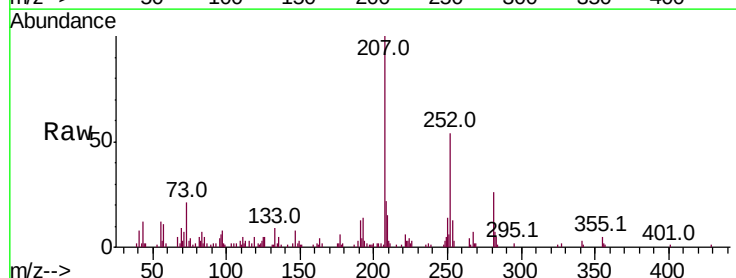
Tgt Ion:252 Resp: 33886

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

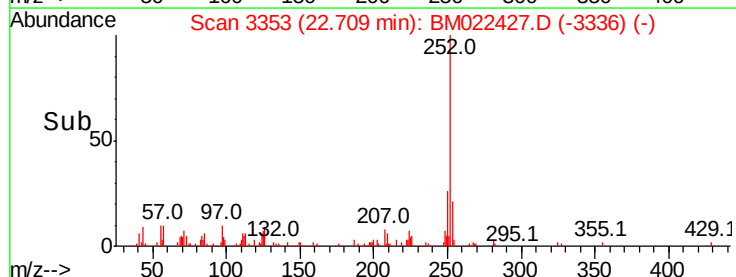
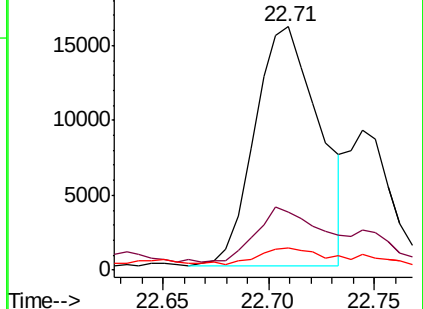
125 9.2 3.5 5.3#

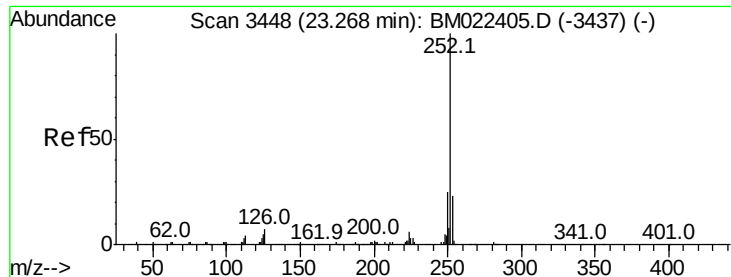


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.627 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

Instrument :

BNA_M

ClientSampleId :

S301A-J-2.0-2.5-082319

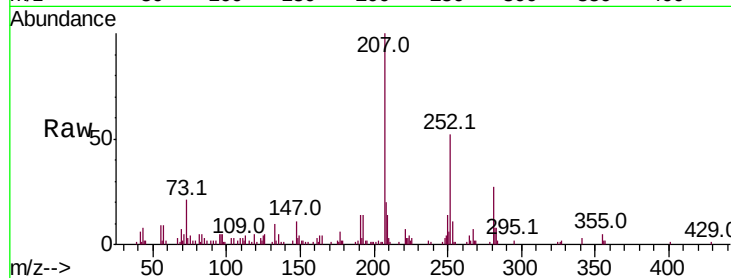
Tot Ion:252 Resp: 24953

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

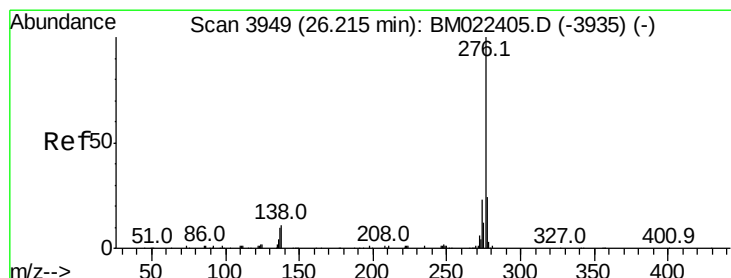
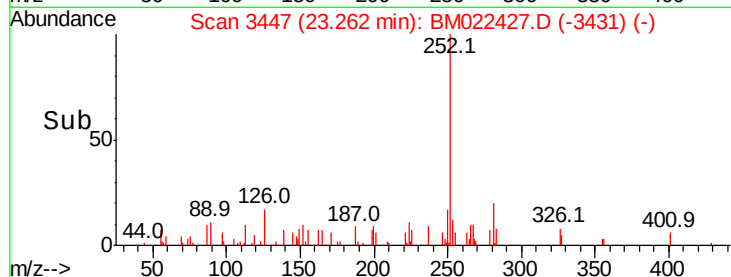
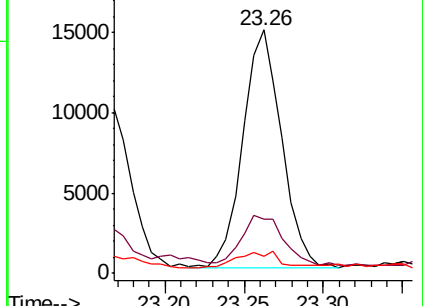
125 7.2 3.8 5.8#



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



#92

Benzo(g,h,i)perylene

Concen: 2.004 ng

RT: 26.21 min Scan# 3948

Delta R.T. -0.01 min

Lab File: BM022427.D

Acq: 30 Aug 2019 02:51

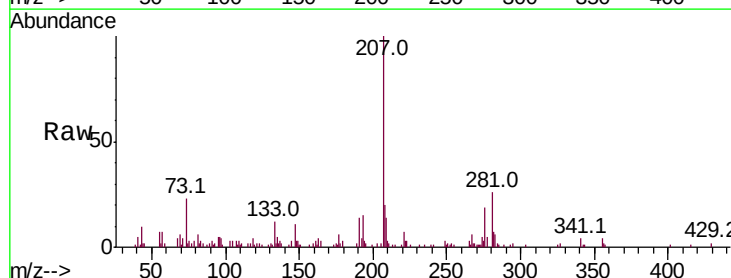
Tgt Ion:276 Resp: 16543

Ion Ratio Lower Upper

276 100

277 26.3 19.4 29.0

138 13.1 8.8 13.2



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

