

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070220\
 Data File : BP002633.D
 Acq On : 02 Jul 2020 16:31
 Operator : CG/JU
 Sample : L3176-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 STONE-2

Quant Time: Jul 02 18:11:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	212305	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	851486	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	546898	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	1219463	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1302454	20.00	ng	0.00
86) Perylene-d12	23.28	264	1295644	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1103552	88.01	ng	0.00
7) Phenol-d6	6.76	99	1469331	83.95	ng	0.00
23) Nitrobenzene-d5	8.72	82	963810	58.32	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	569481	85.61	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2136038	57.49	ng	0.00
79) Terphenyl-d14	19.57	244	3378274	55.99	ng	0.00

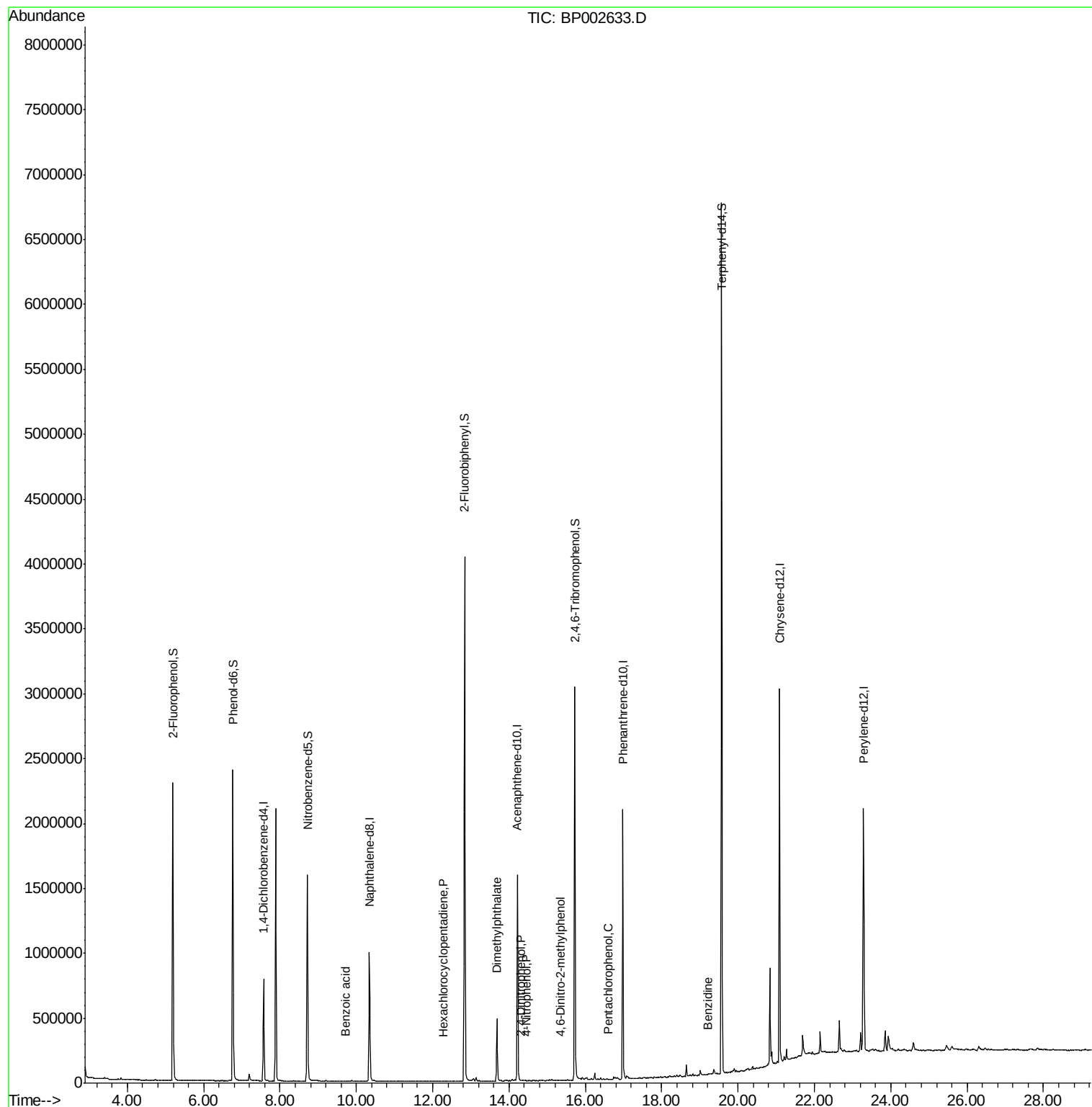
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	179	Below Cal		# 30
32) Benzoic acid	9.72	122	639	8.754	ng	# 74
41) Hexachlorocyclopentadiene	12.29	237	20	4.384	ng	# 80
50) Dimethylphthalate	13.68	163	337197	7.850	ng	# 99
54) 2,4-Dinitrophenol	14.32	184	16	6.011	ng	# 1
56) 4-Nitrophenol	14.46	139	65	2.444	ng	# 86
65) 4,6-Dinitro-2-methylphenol	15.35	198	34	2.714	ng	# 1
70) Pentachlorophenol	16.60	266	32	2.665	ng	# 93
77) Benzidine	19.22	184	1293	3.778	ng	# 70

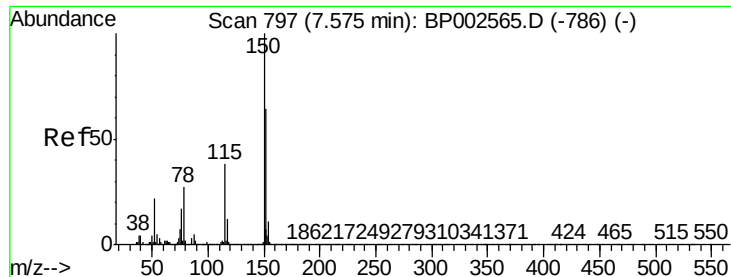
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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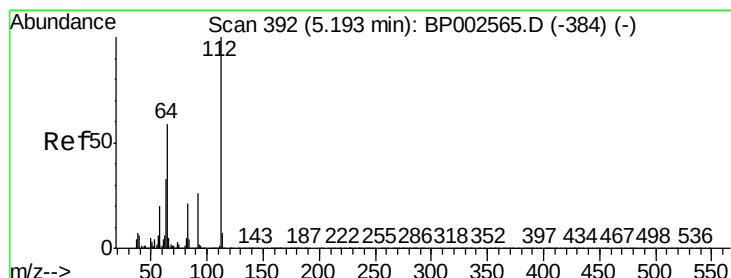
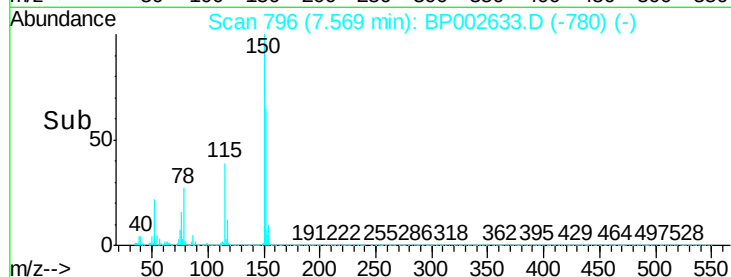
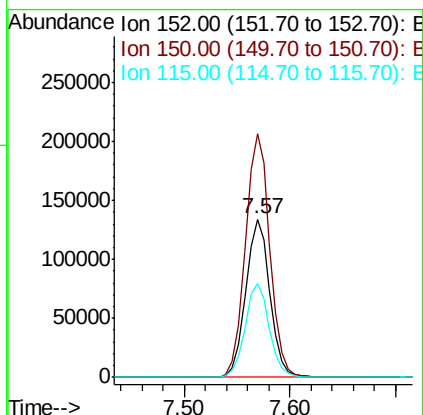
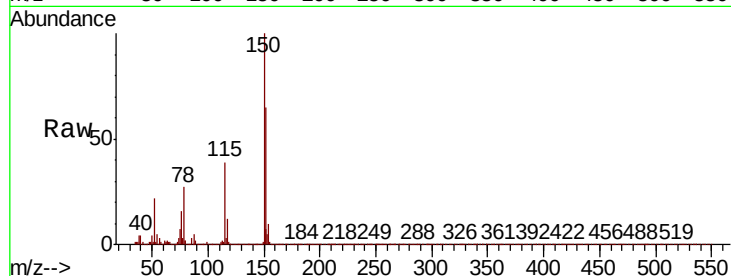


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002633.D
Acq: 02 Jul 2020 16:31

Instrument :
BNA_P
ClientSampleId :
STONE-2

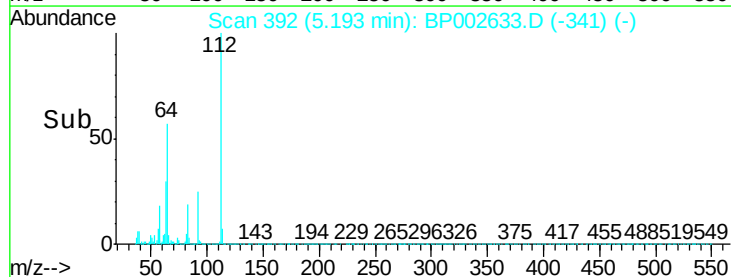
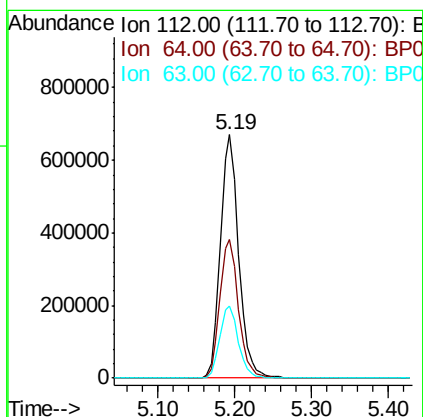
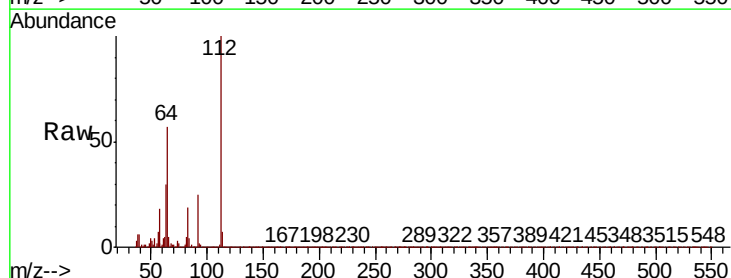
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.2	186.2
115	59.7	47.1	70.7

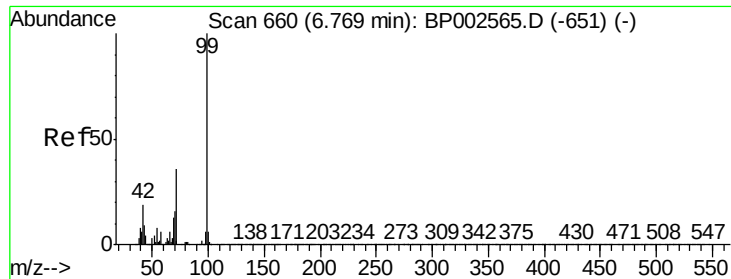


#5

2-Fluorophenol
Concen: 88.007 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002633.D
Acq: 02 Jul 2020 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.0	70.6
63	29.8	26.1	39.1





#7

Phenol-d6

Concen: 83.954 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

Instrument :

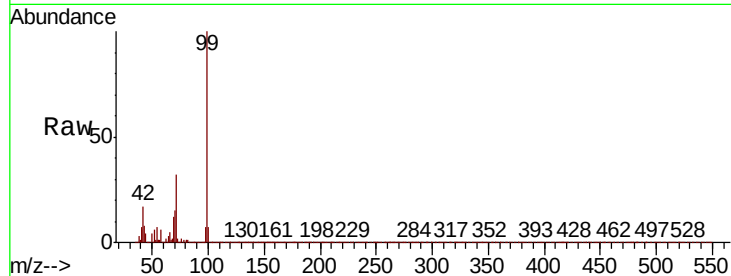
BNA_P

ClientSampleId :

STONE-2

Tot Ion: 99 Resp: 1469331

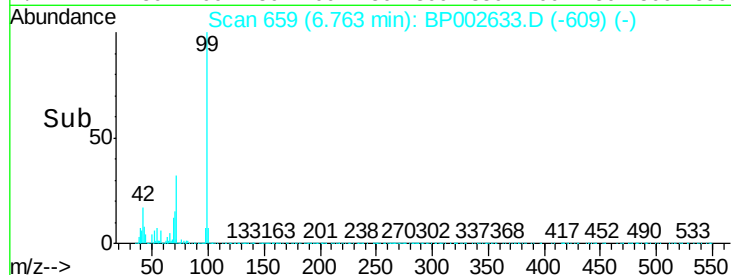
Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.5	23.3
71	32.2	28.9	43.3



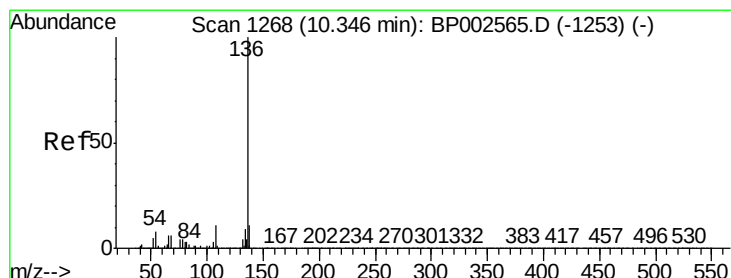
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time--> 6.60 6.70 6.80 6.90 7.00



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

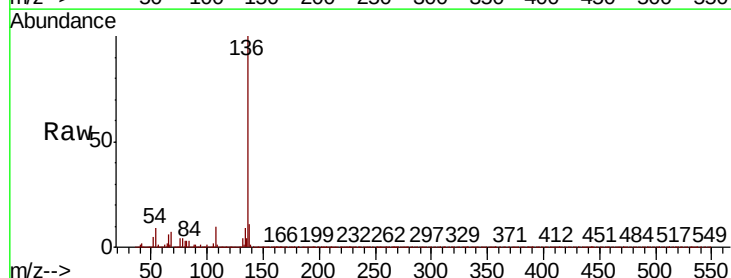
Delta R.T. -0.01 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

Tgt Ion: 136 Resp: 851486

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	6.4	9.6
68	7.1	5.1	7.7

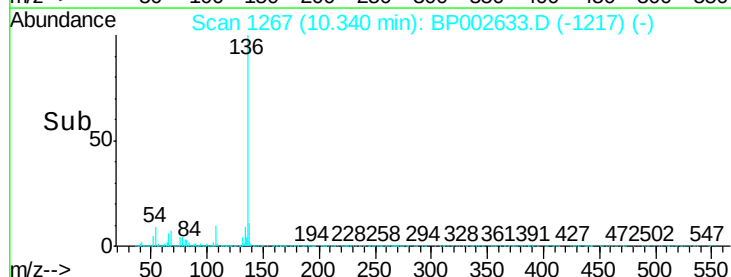


Abundance Ion 136.00 (135.70 to 136.70): E

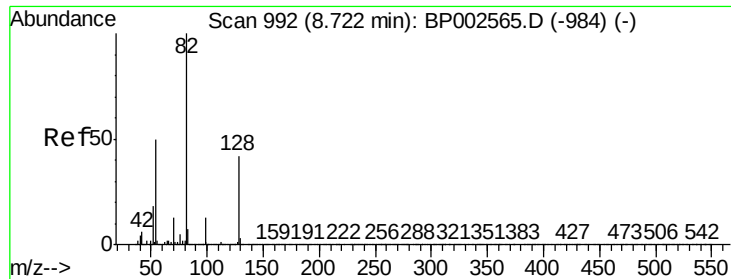
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



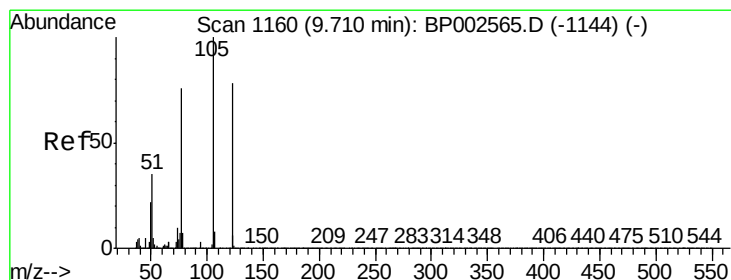
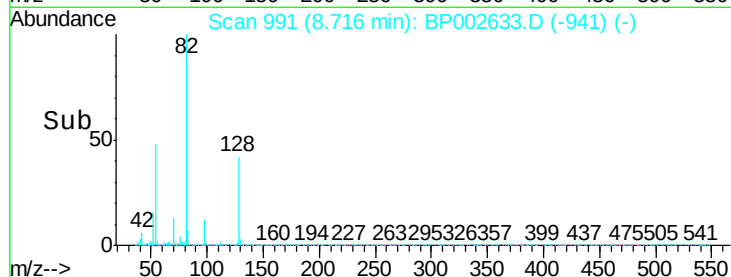
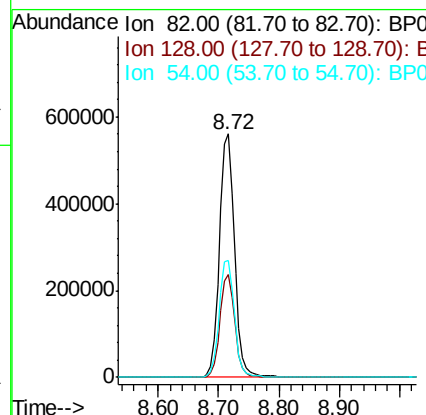
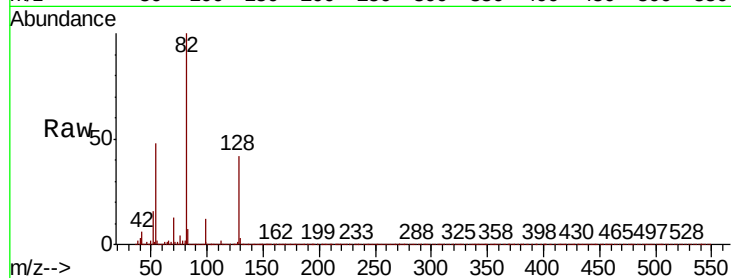
Time--> 10.20 10.40 10.60



#23
Nitrobenzene-d5
Concen: 58.322 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002633.D
Acq: 02 Jul 2020 16:31

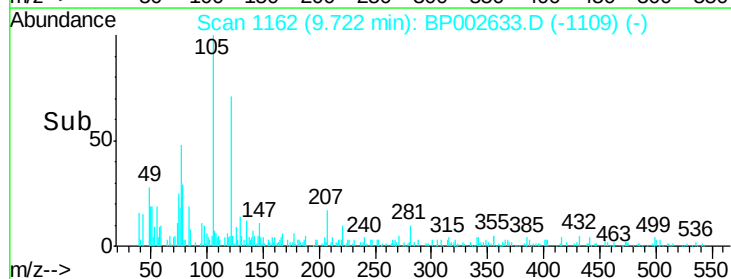
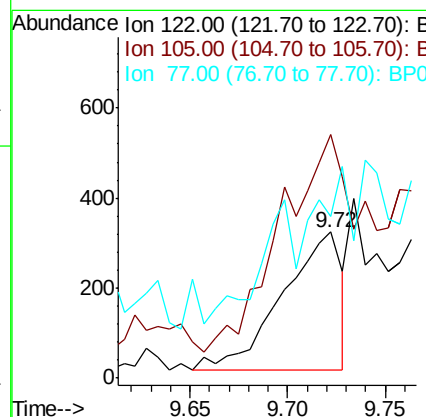
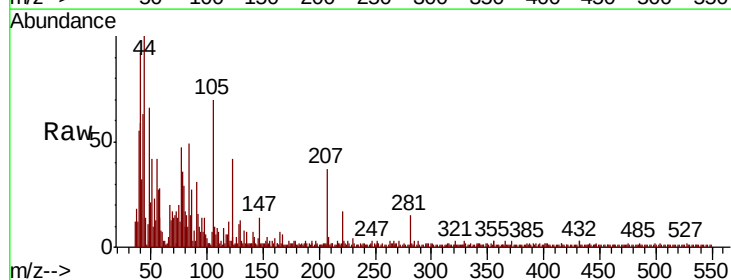
Instrument :
BNA_P
ClientSampleId :
STONE-2

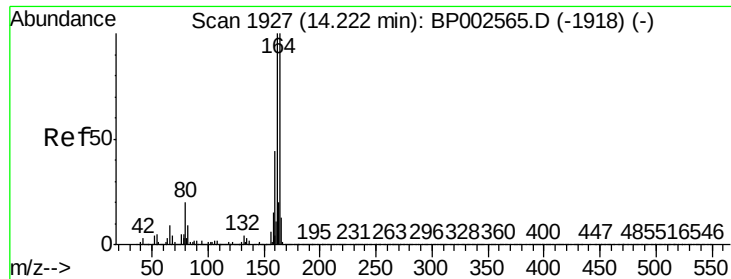
Tot Ion	82	Resp	963810
Ion Ratio	Lower	Upper	
82	100		
128	42.2	33.4	50.2
54	48.1	40.1	60.1



#32
Benzoic acid
Concen: 8.754 ng
RT: 9.72 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BP002633.D
Acq: 02 Jul 2020 16:31

Tgt Ion	122	Resp	639
Ion Ratio	Lower	Upper	
122	100		
105	167.0	106.6	146.6#
77	111.1	76.5	116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

Instrument :

BNA_P

ClientSampled :

STONE-2

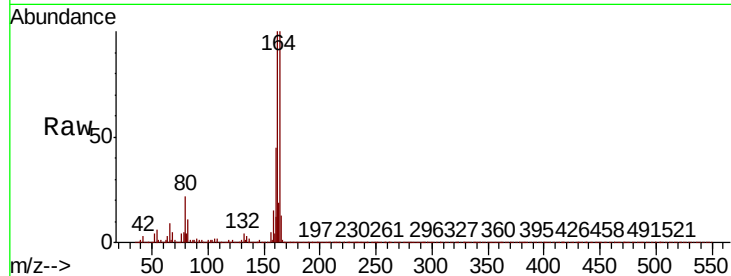
Tot Ion:164 Resp: 546898

Ion Ratio Lower Upper

164 100

162 99.5 80.3 120.5

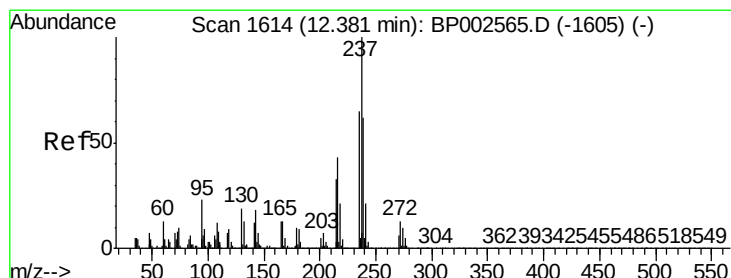
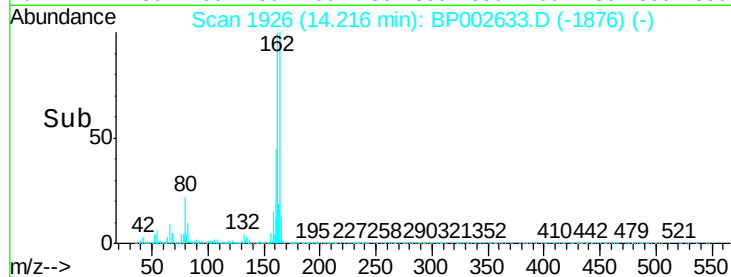
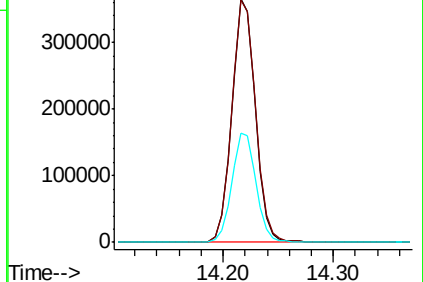
160 45.0 35.0 52.6



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



#41

Hexachlorocyclopentadiene

Concen: 4.384 ng

RT: 12.29 min Scan# 1598

Delta R.T. -0.09 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

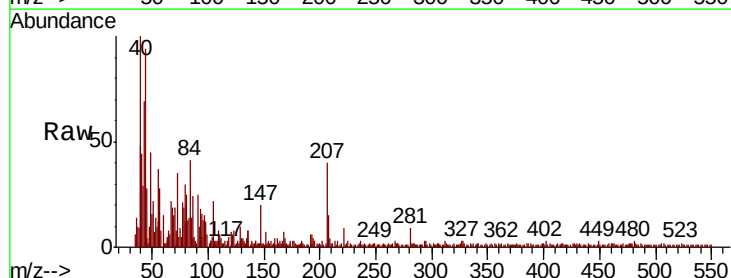
Tgt Ion:237 Resp: 20

Ion Ratio Lower Upper

237 100

235 51.6 45.4 85.4

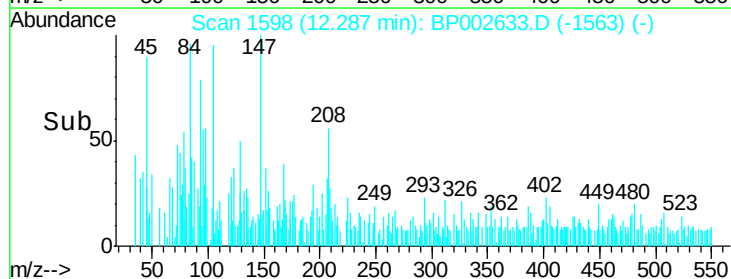
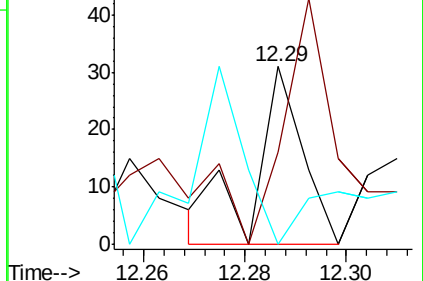
272 0.0 0.0 32.6

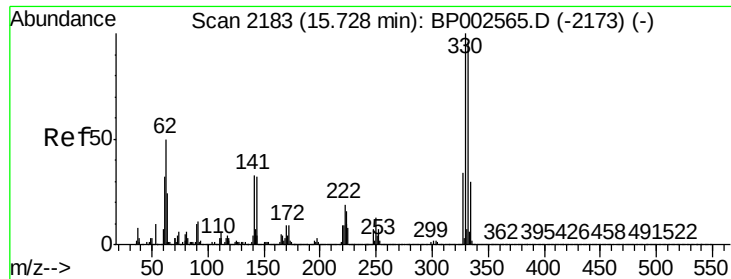


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

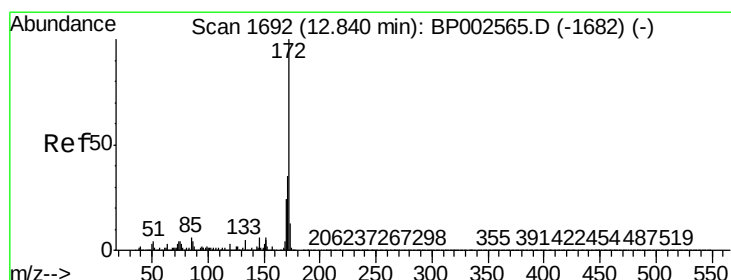
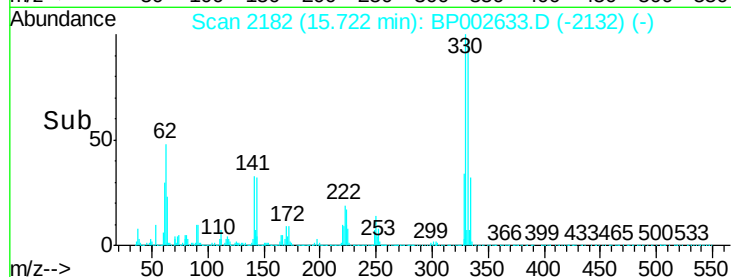
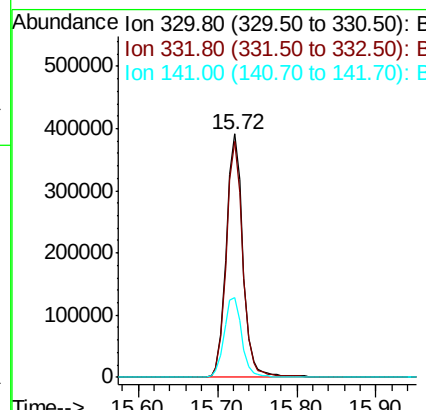
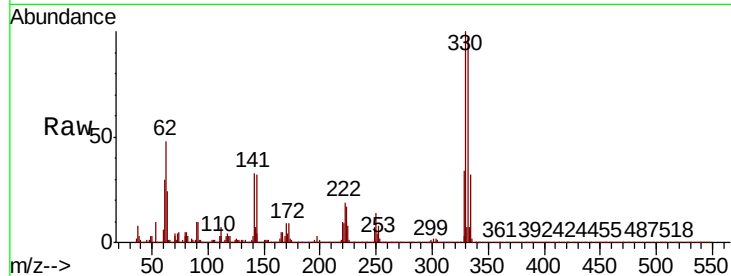




#42
 2,4,6-Tribromophenol
 Concen: 85.613 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002633.D
 Acq: 02 Jul 2020 16:31

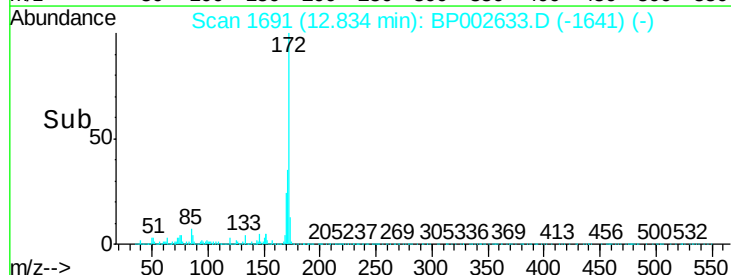
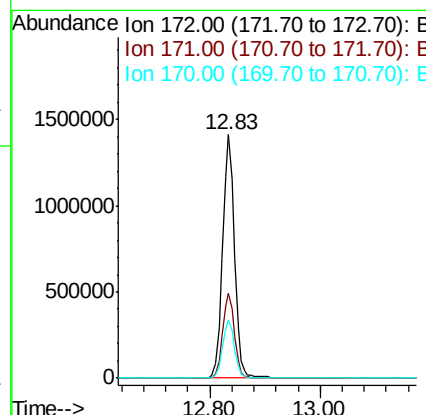
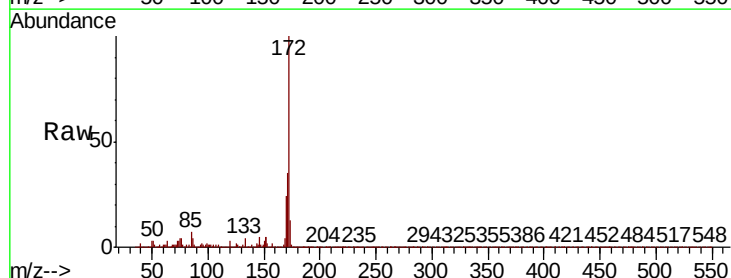
Instrument :
 BNA_P
 ClientSampleId :
 STONE-2

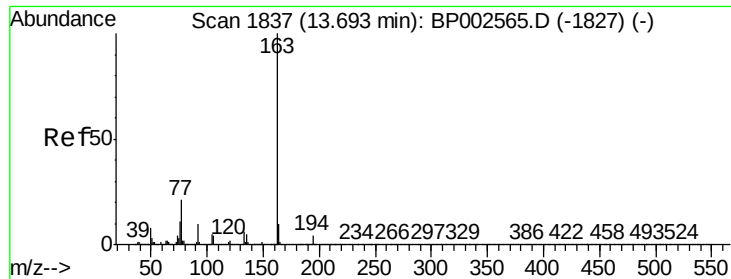
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	34.8	29.0	43.6



#45
 2-Fluorobiphenyl
 Concen: 57.486 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002633.D
 Acq: 02 Jul 2020 16:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.0	42.0
170	23.6	19.0	28.4





#50

Dimethylphthalate

Concen: 7.850 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

Instrument :

BNA_P

ClientSampleId :

STONE-2

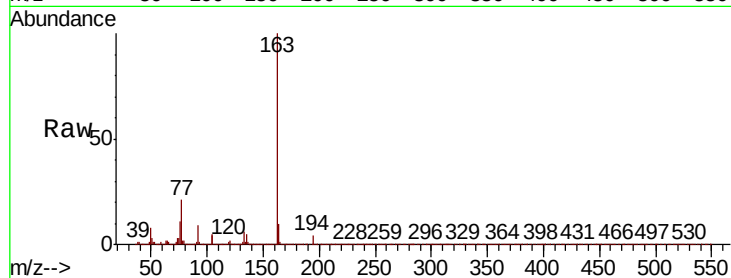
Tot Ion:163 Resp: 337197

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

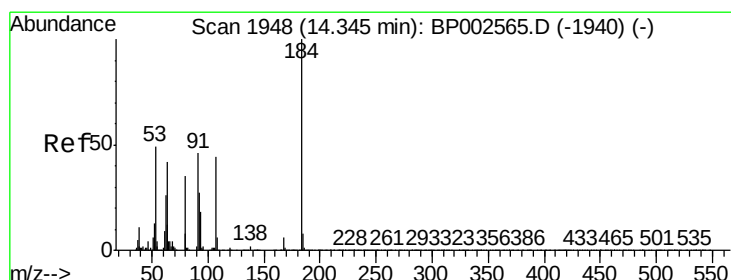
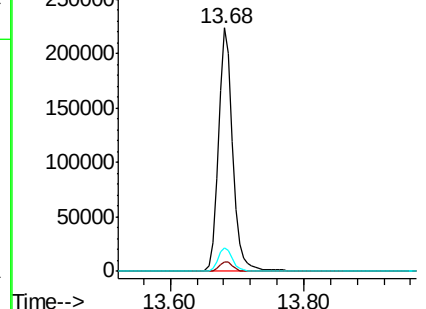
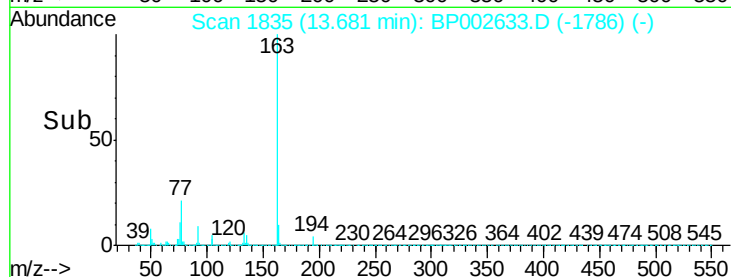
164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 6.011 ng

RT: 14.32 min Scan# 1943

Delta R.T. -0.03 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

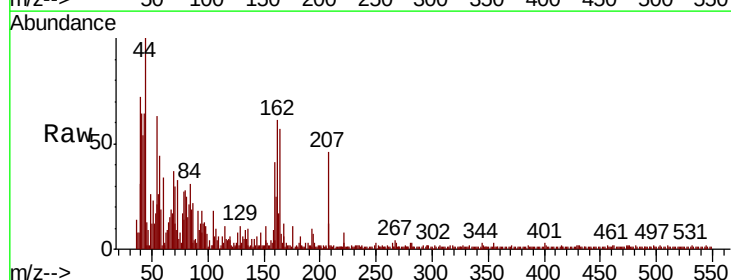
Tgt Ion:184 Resp: 16

Ion Ratio Lower Upper

184 100

63 288.0 56.2 84.2#

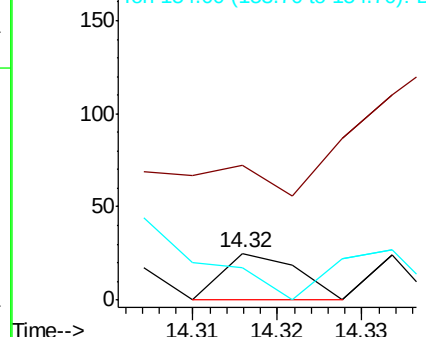
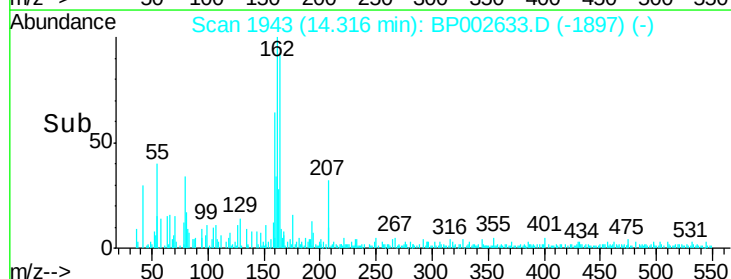
154 68.0 50.9 76.3

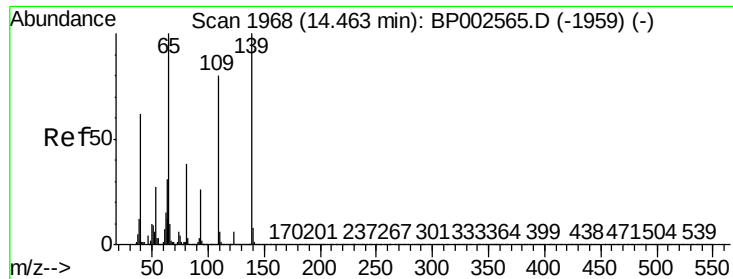


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

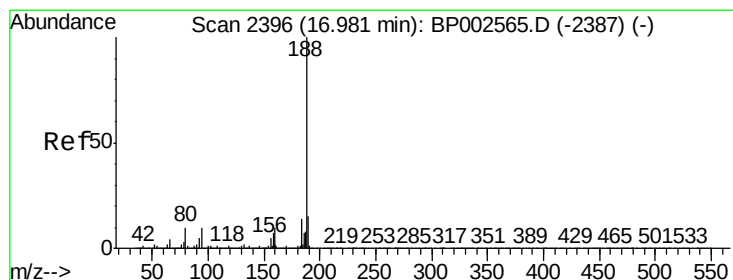
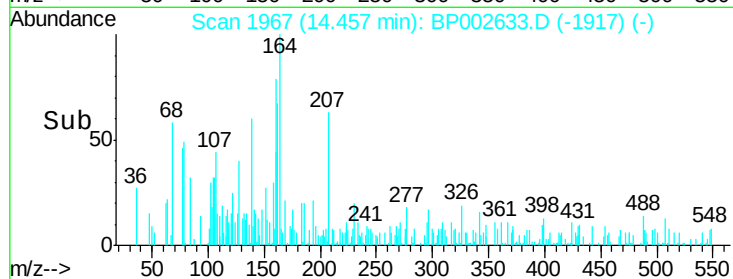
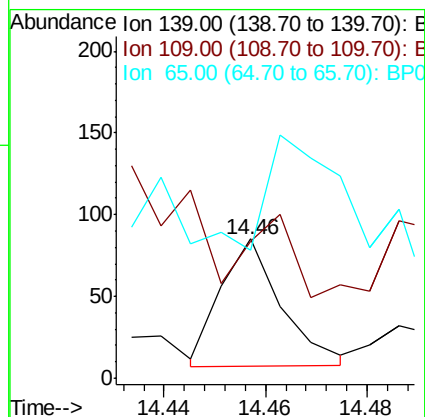
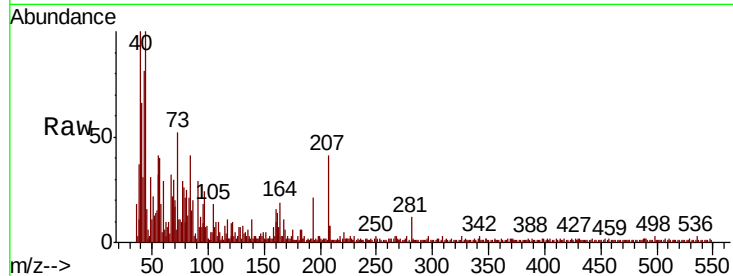




#56
4-Nitrophenol
Concen: 2.444 ng
RT: 14.46 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BP002633.D
Acq: 02 Jul 2020 16:31

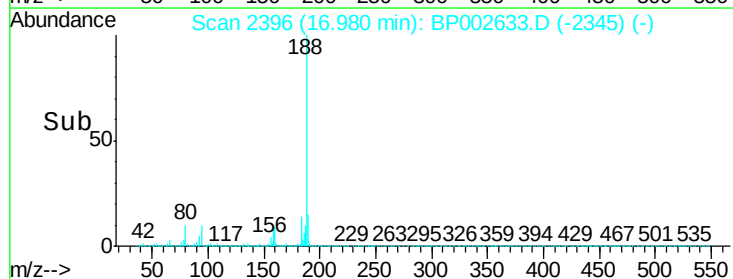
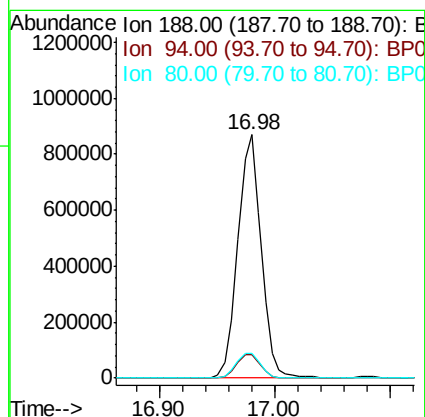
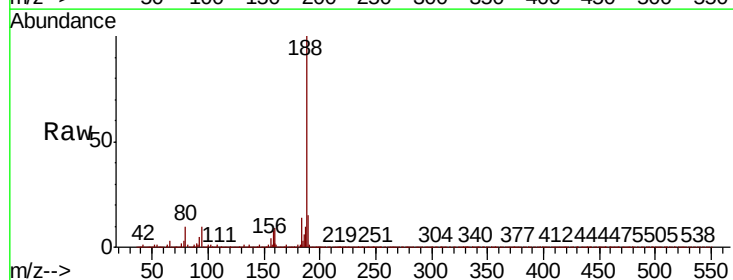
Instrument :
BNA_P
ClientSampled :
STONE-2

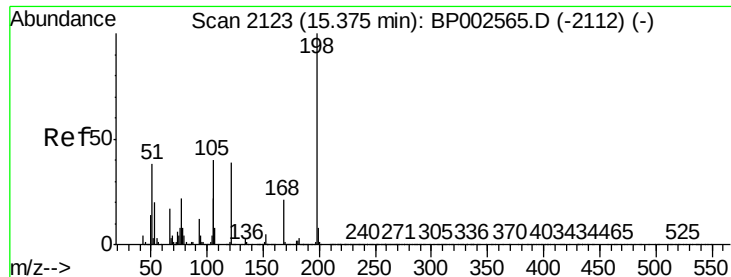
Tot Ion:139 Resp: 65
Ion Ratio Lower Upper
139 100
109 98.8 60.1 100.1
65 91.8 80.3 120.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.98 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BP002633.D
Acq: 02 Jul 2020 16:31

Tgt Ion:188 Resp: 1219463
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.2 8.2 12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 2.714 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.02 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

Instrument :

BNA_P

ClientSampleId :

STONE-2

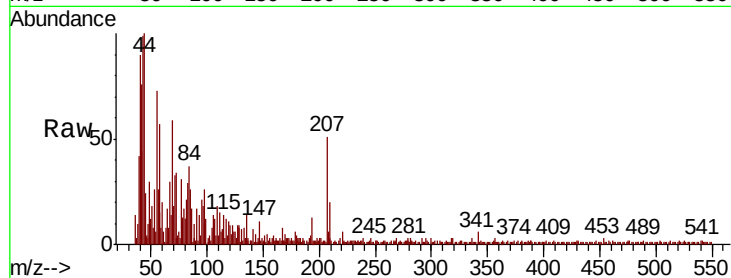
Tot Ion:198 Resp: 34

Ion Ratio Lower Upper

198 100

51 584.6 24.2 64.2#

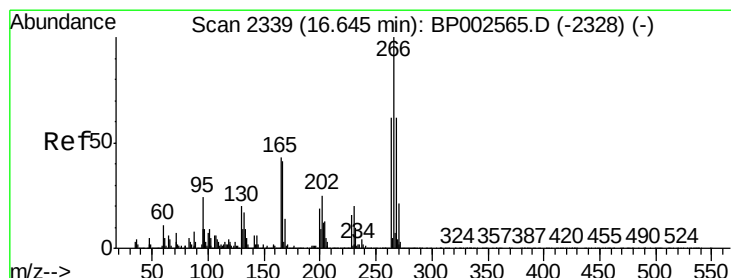
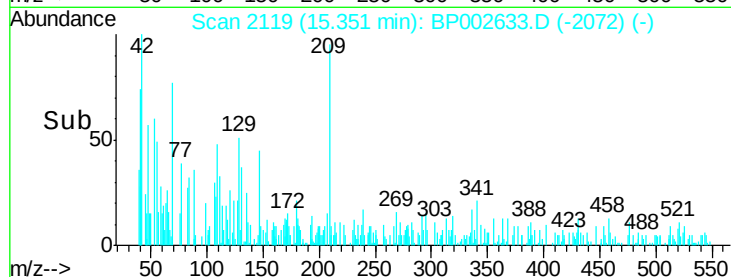
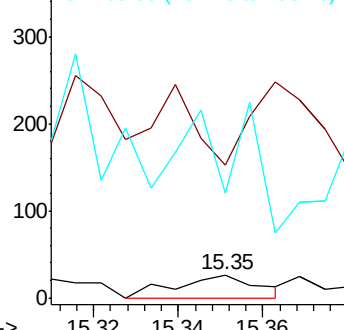
105 461.5 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E



#70

Pentachlorophenol

Concen: 2.665 ng

RT: 16.60 min Scan# 2331

Delta R.T. -0.05 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

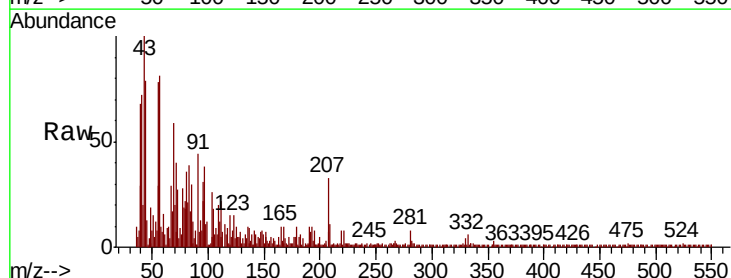
Tgt Ion:266 Resp: 32

Ion Ratio Lower Upper

266 100

268 70.5 49.7 74.5

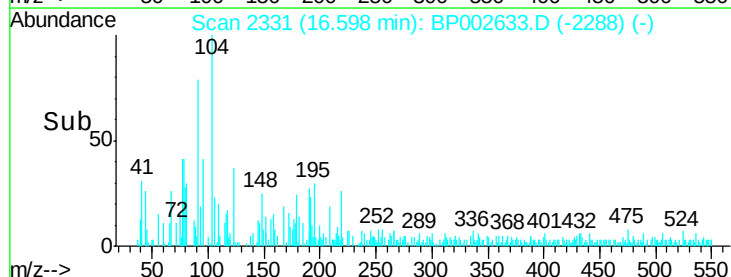
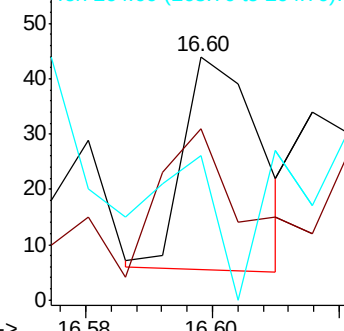
264 59.1 49.3 73.9

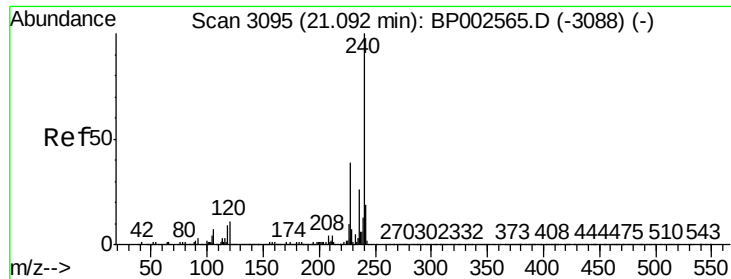


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

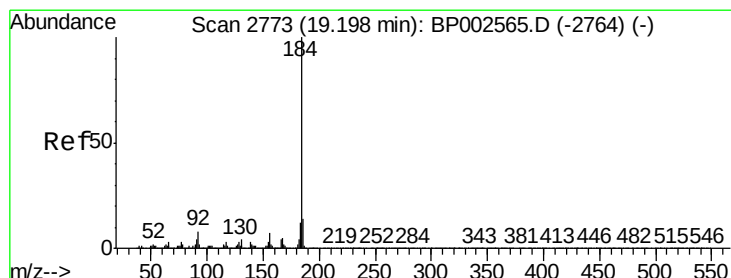
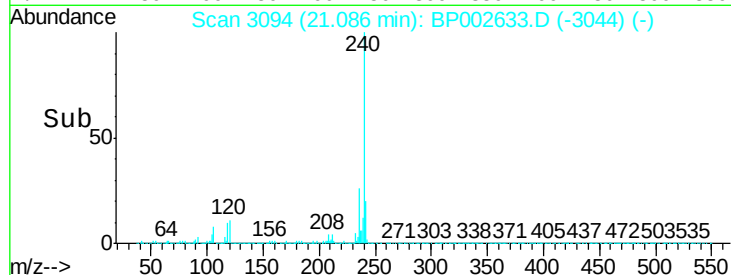
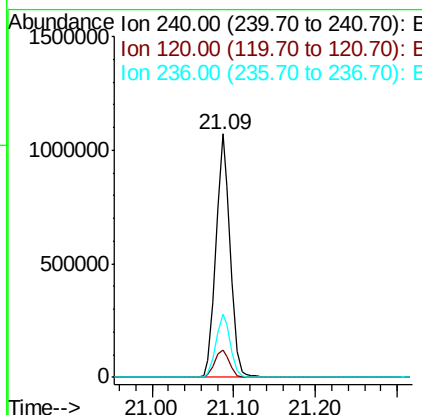
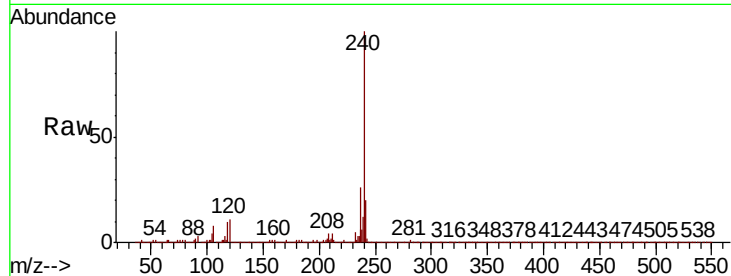




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002633.D
Acq: 02 Jul 2020 16:31

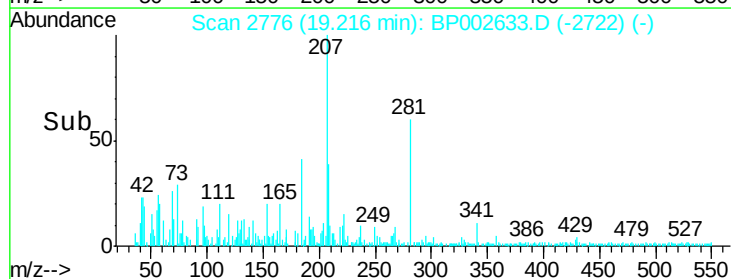
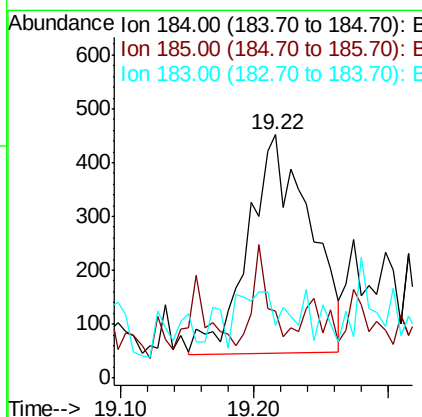
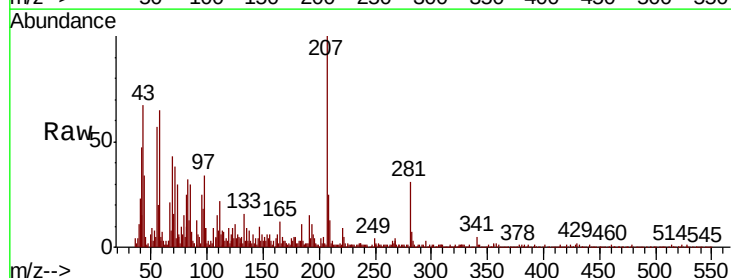
Instrument :
BNA_P
ClientSampleId :
STONE-2

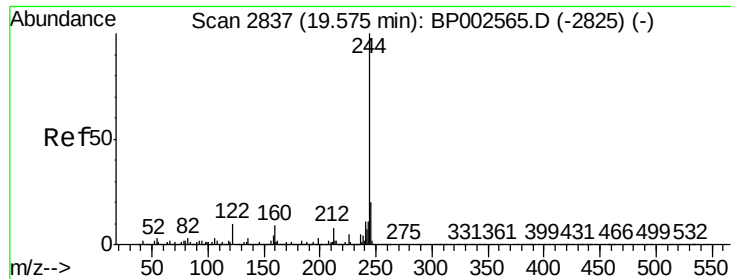
Tot Ion:240 Resp: 1302454
Ion Ratio Lower Upper
240 100
120 11.2 8.6 13.0
236 26.2 20.8 31.2



#77
Benzidine
Concen: 3.778 ng
RT: 19.22 min Scan# 2776
Delta R.T. 0.02 min
Lab File: BP002633.D
Acq: 02 Jul 2020 16:31

Tgt Ion:184 Resp: 1293
Ion Ratio Lower Upper
184 100
185 27.4 11.4 17.2#
183 21.9 9.2 13.8#





#79

Terphenyl-d14

Concen: 55.986 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

Instrument :

BNA_P

ClientSampleId :

STONE-2

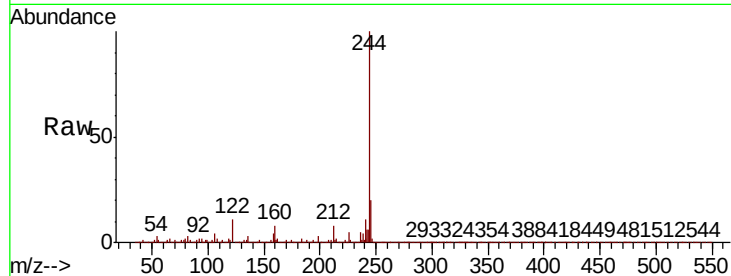
Tot Ion:244 Resp: 3378274

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

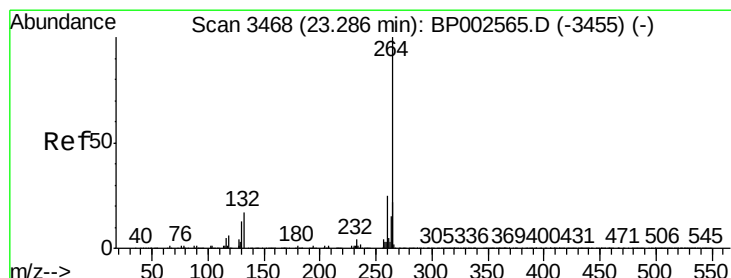
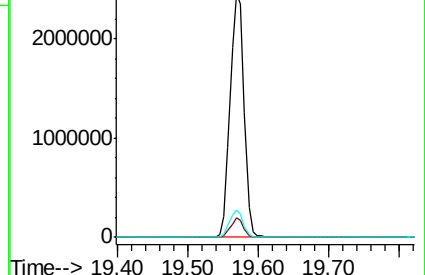
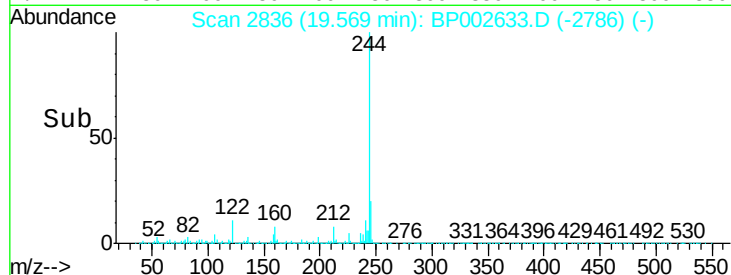
122 11.3 7.9 11.9



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.28 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BP002633.D

Acq: 02 Jul 2020 16:31

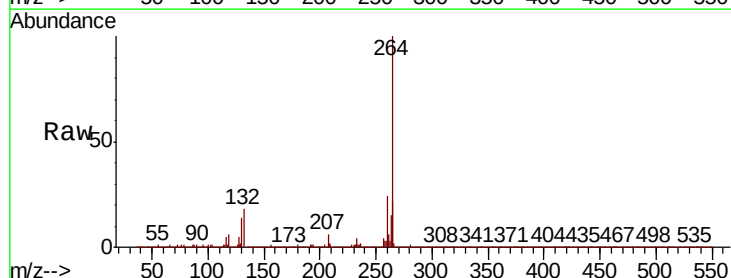
Tgt Ion:264 Resp: 1295644

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

265 21.6 17.6 26.4



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

