

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
 Data File : BP000512.D
 Acq On : 04 Oct 2019 17:12
 Operator : JU
 Sample : K5160-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 04 23:39:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	251018	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	918450	20.00	ng	-0.01
39) Acenaphthene-d10	9.81	164	517266	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	972011	20.00	ng	0.00
76) Chrysene-d12	13.98	240	848299	20.00	ng	0.00
87) Perylene-d12	15.46	264	916726	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1413721	90.53	ng	0.00
7) Phenol-d6	6.40	99	1796783	95.48	ng	0.00
23) Nitrobenzene-d5	7.32	82	1006004	66.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	568630	103.16	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	2113802	66.12	ng	0.00
79) Terphenyl-d14	12.92	244	2641839	63.06	ng	0.00

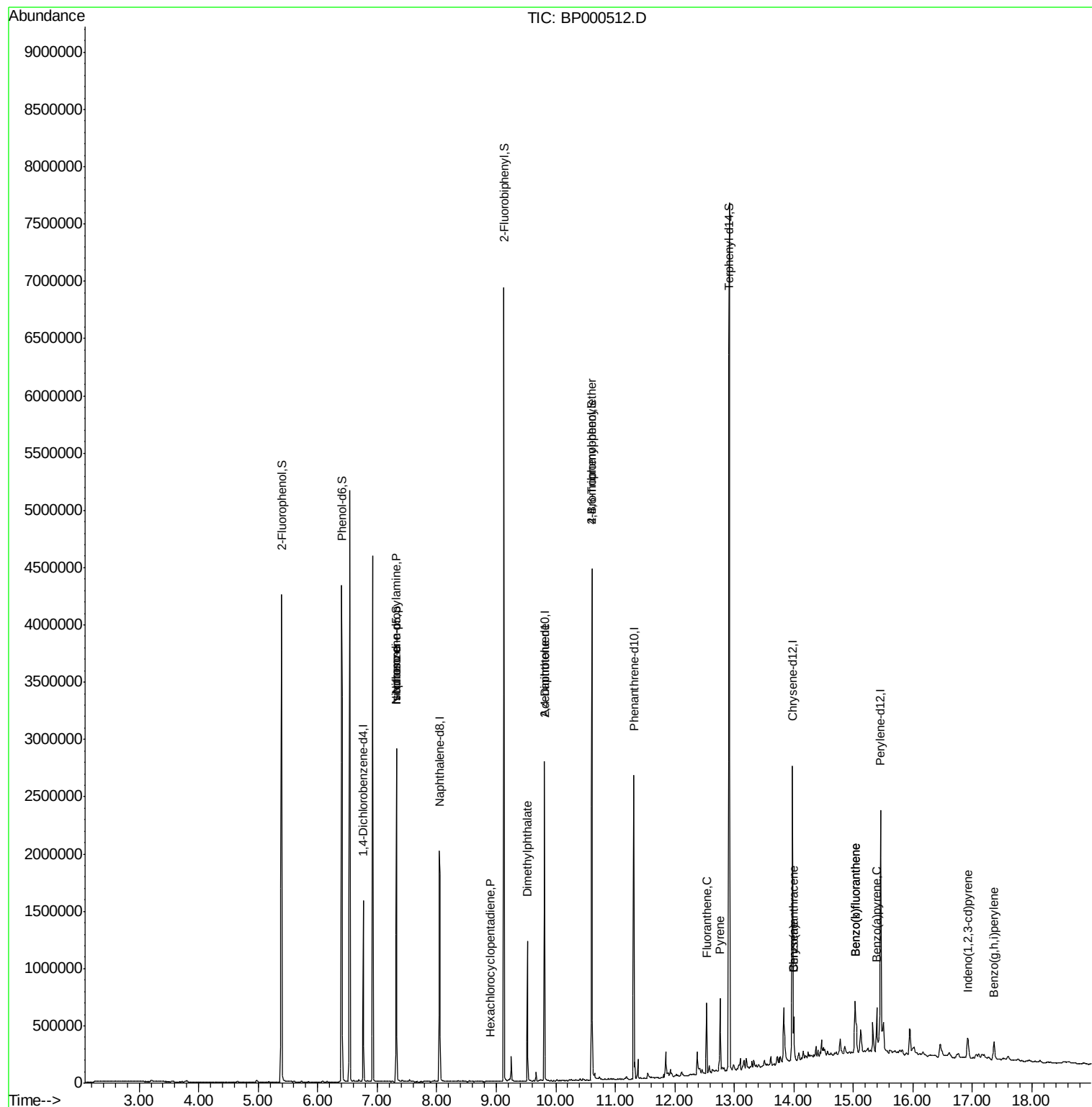
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	124305	14.331	ng	# 74
25) Isophorone	7.32	82	1005539	37.676	ng	# 61
41) Hexachlorocyclopentadiene	8.90	237	16	7.299	ng	88
50) Dimethylphthalate	9.52	163	516746	14.377	ng	99
57) 2,4-Dinitrotoluene	9.81	165	68647	6.606	ng	# 32
67) 4-Bromophenyl-phenylether	10.60	248	39204	3.583	ng	# 1
75) Fluoranthene	12.53	202	242486	4.423	ng	98
78) Pyrene	12.76	202	241047	4.120	ng	100
81) Benzo(a)anthracene	14.00	228	161941	3.129	ng	94
83) Chrysene	14.00	228	161941	3.188	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	129535	2.041	ng	95
88) Benzo(b)fluoranthene	15.03	252	338570	6.510	ng	98
89) Benzo(k)fluoranthene	15.03	252	338570	6.838	ng	98
90) Benzo(a)pyrene	15.39	252	179289	3.698	ng	96
92) Benzo(a,h,i)perylene	17.36	276	130698	2.735	ng	100

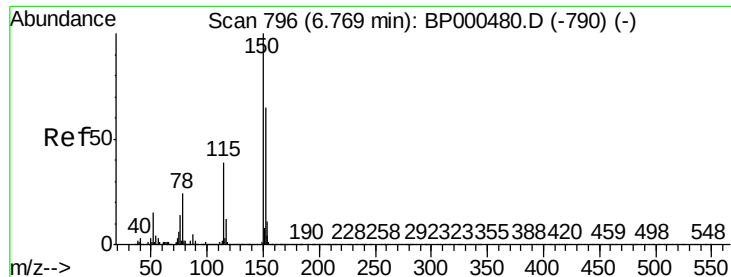
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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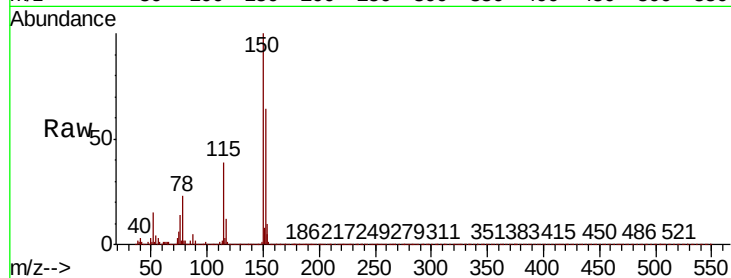


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.1	186.1
115	60.6	48.7	73.1

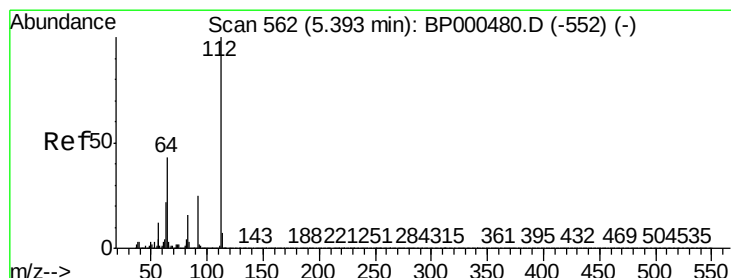
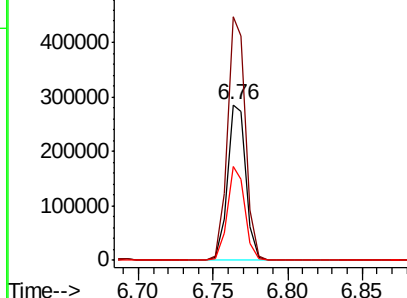
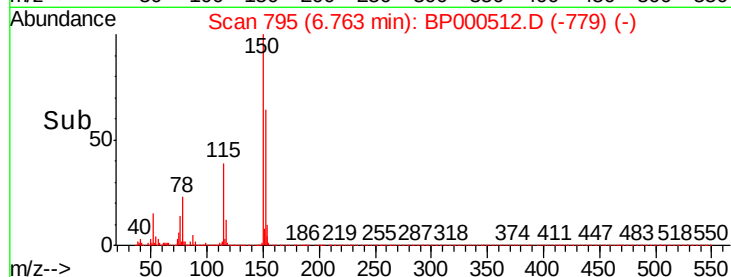


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

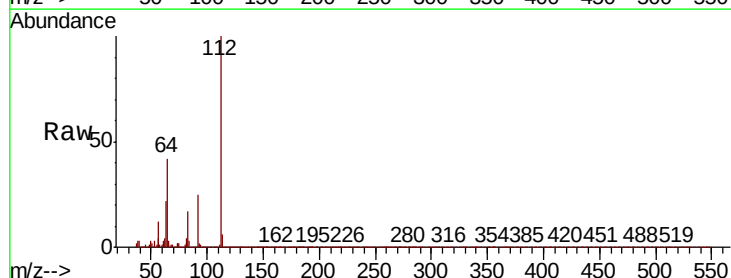
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.530 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.3	34.2	51.4
63	21.7	17.9	26.9

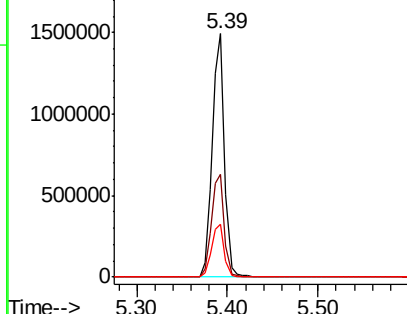
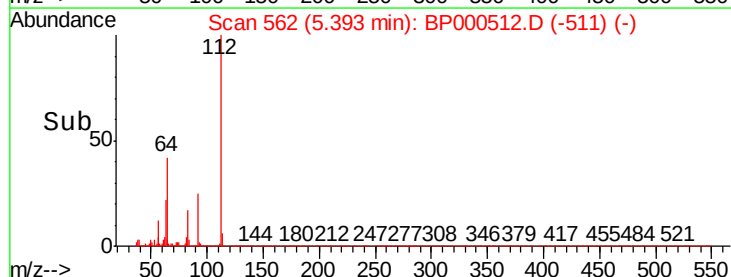


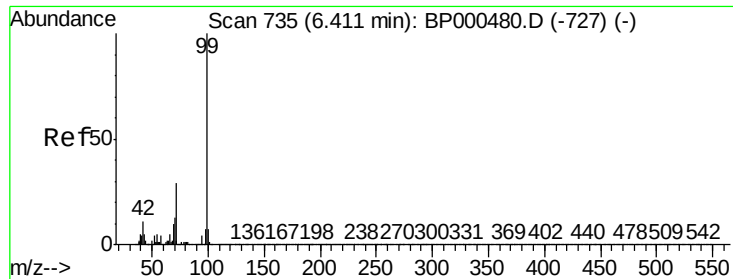
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 95.482 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

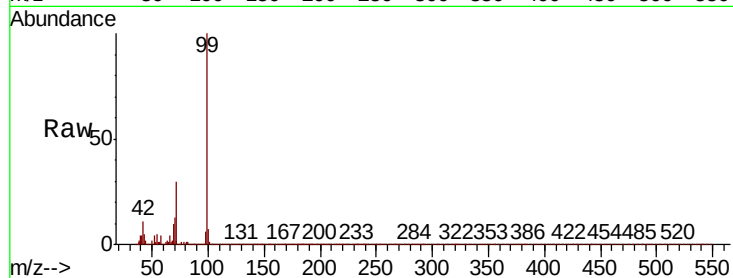
Instrument :

BNA_P

ClientSampled :

Tot Ion: 99 Resp: 1796783

Ion	Ratio	Lower	Upper
99	100		
42	11.1	8.6	12.8
71	30.0	23.0	34.4

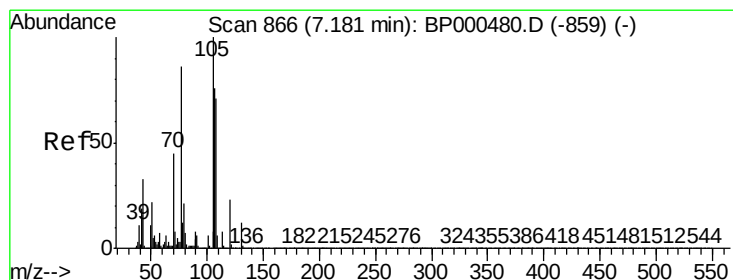
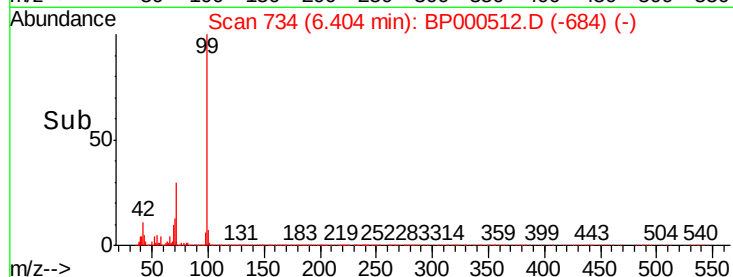
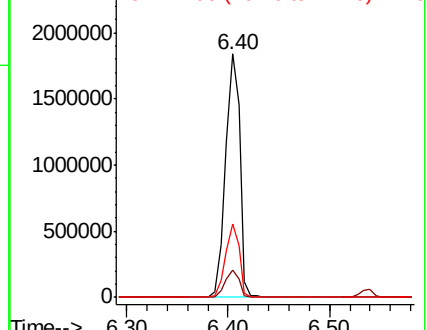


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 14.331 ng

RT: 7.32 min Scan# 890

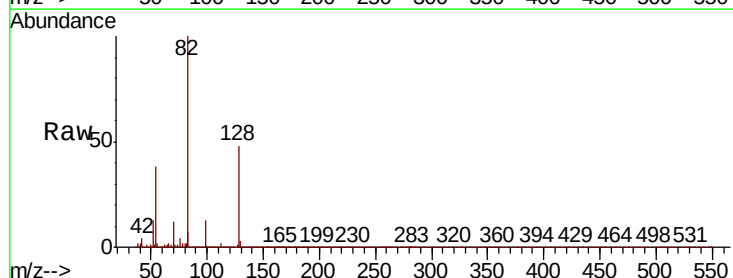
Delta R.T. 0.14 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

Tgt Ion: 70 Resp: 124305

Ion	Ratio	Lower	Upper
70	100		
42	34.9	33.2	49.8
101	0.0	9.9	14.9#
130	2.6	21.8	32.8#



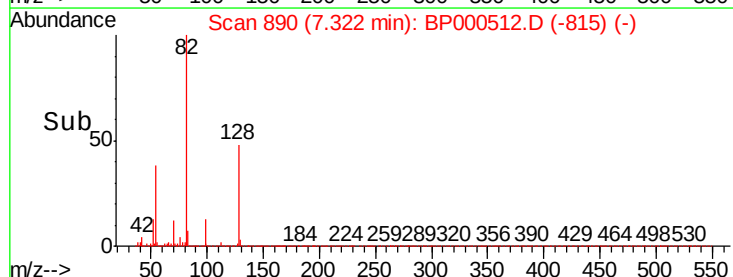
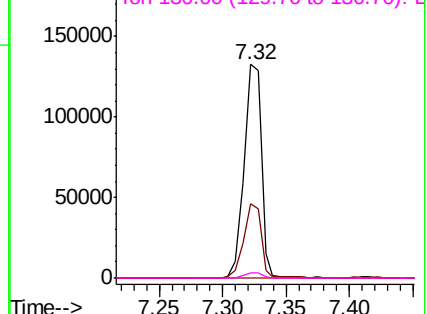
Abundance

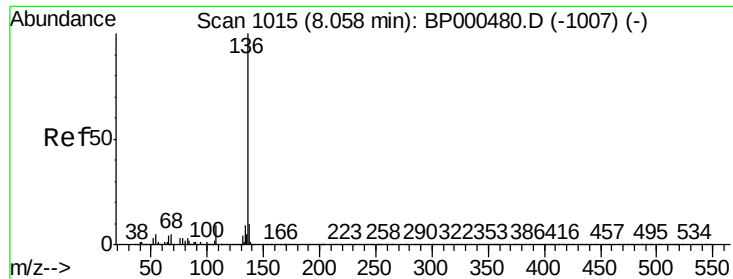
Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

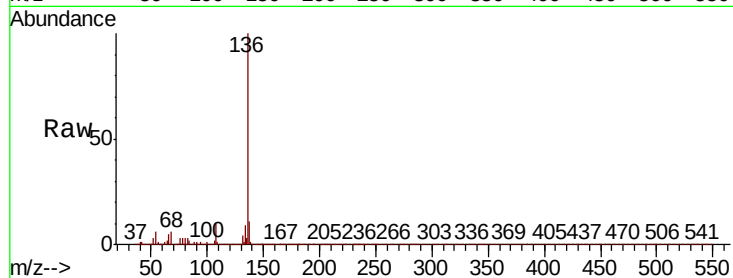




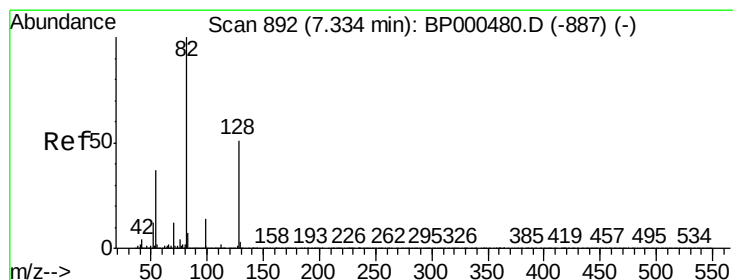
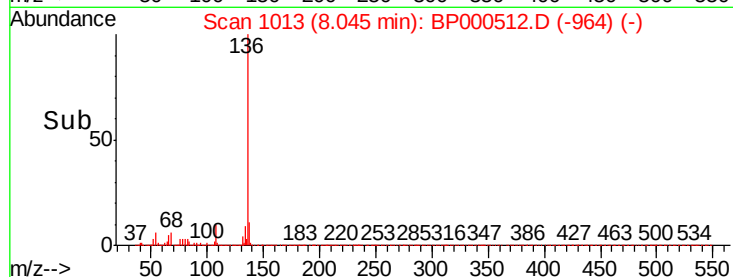
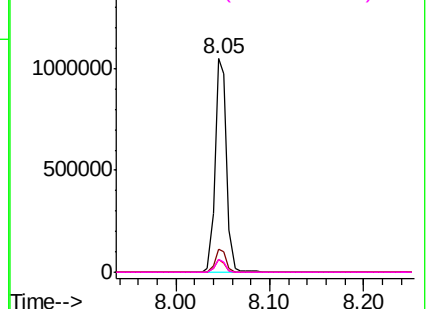
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp:	918450
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.2	12.4
54 5.9	4.1	6.1
68 5.8	4.1	6.1

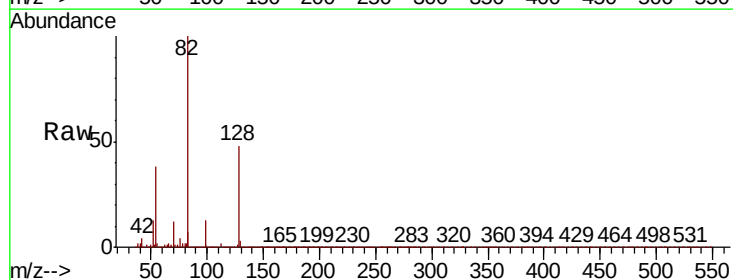


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

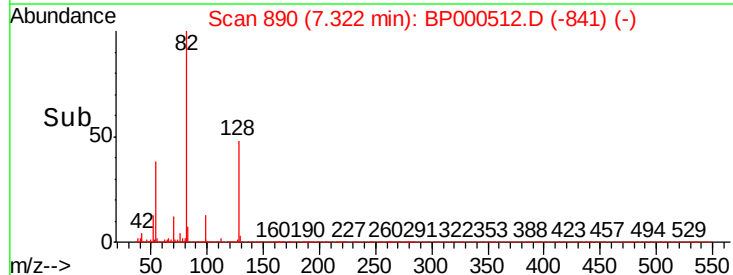
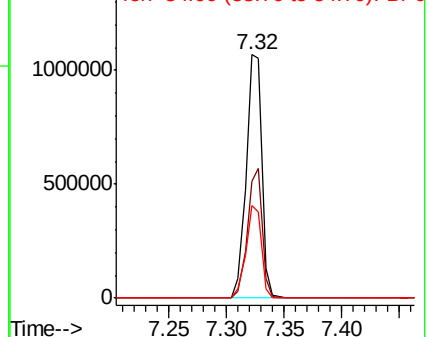


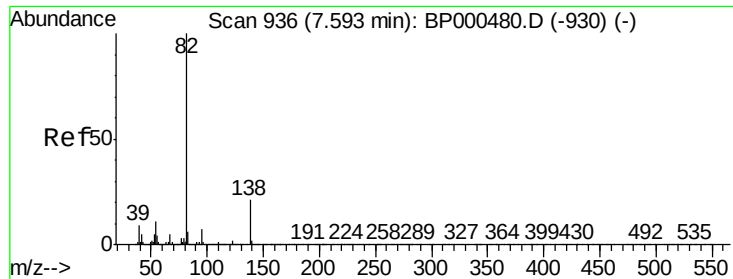
#23
Nitrobenzene-d5
Concen: 66.898 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Tgt Ion: 82	Resp:	1006004
Ion Ratio	Lower	Upper
82 100		
128 48.2	40.9	61.3
54 38.1	29.4	44.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0





#25

Isophorone

Concen: 37.676 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.27 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

Instrument :

BNA_P

ClientSampled :

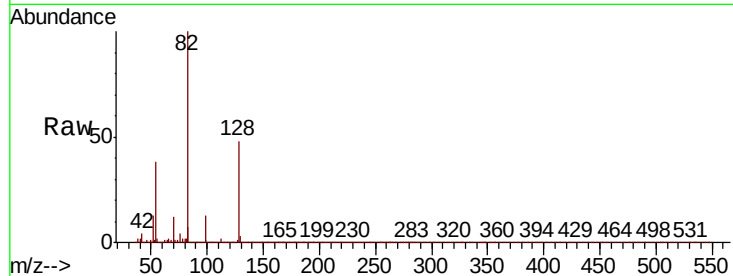
Tot Ion: 82 Resp: 1005539

Ion Ratio Lower Upper

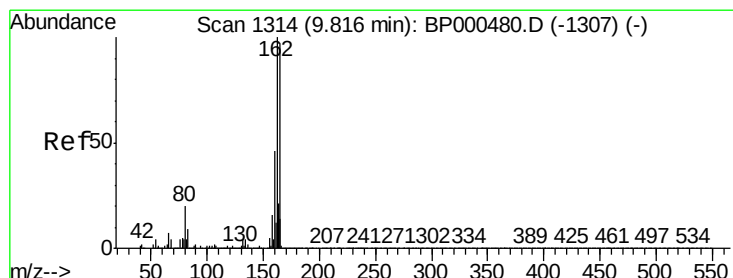
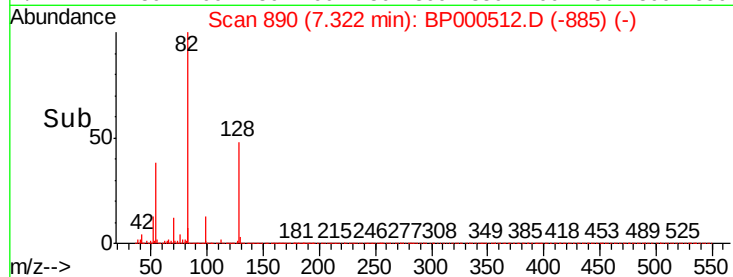
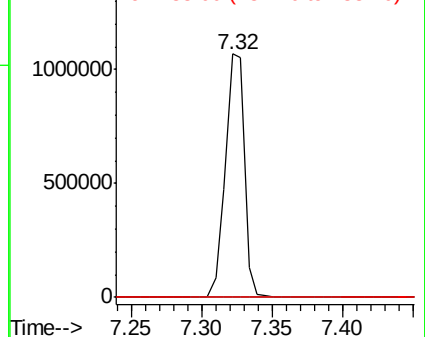
82 100

95 0.0 5.8 8.6#

138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 95.00 (94.70 to 95.70): BP0
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

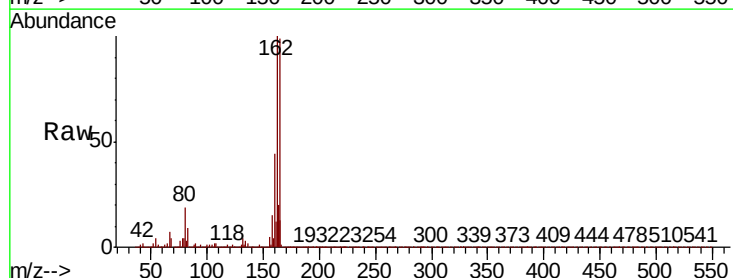
Tgt Ion:164 Resp: 517266

Ion Ratio Lower Upper

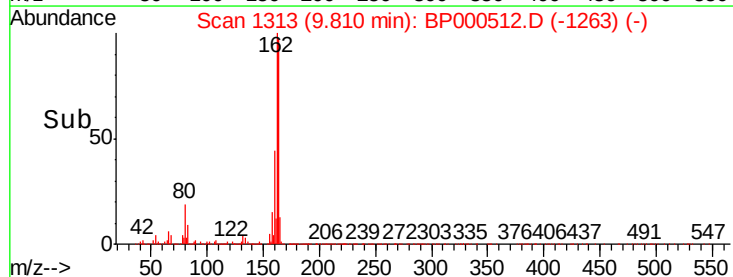
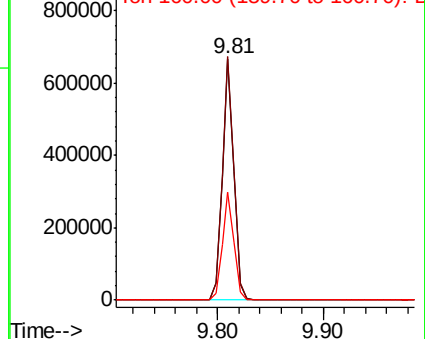
164 100

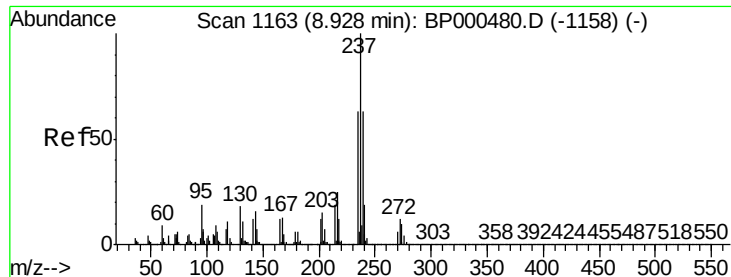
162 100.9 82.2 123.2

160 44.7 37.6 56.4



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: 7.299 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BP000512.D

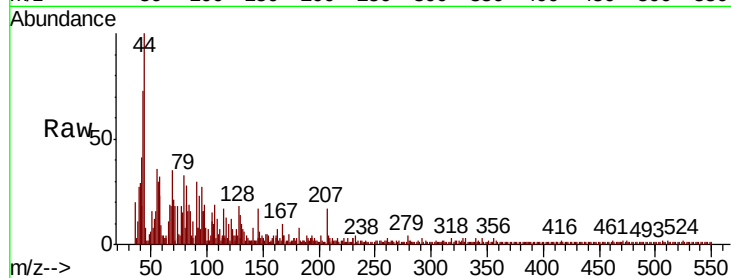
Acq: 04 Oct 2019 17:12

Instrument :

BNA_P

ClientSampled :

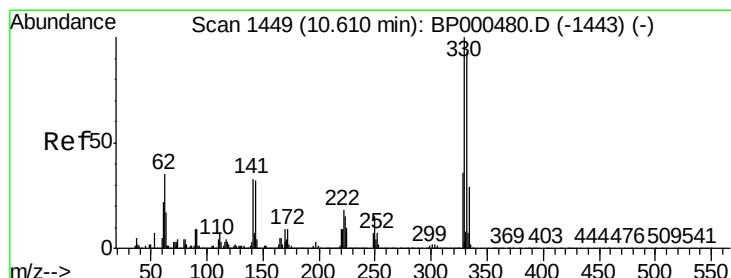
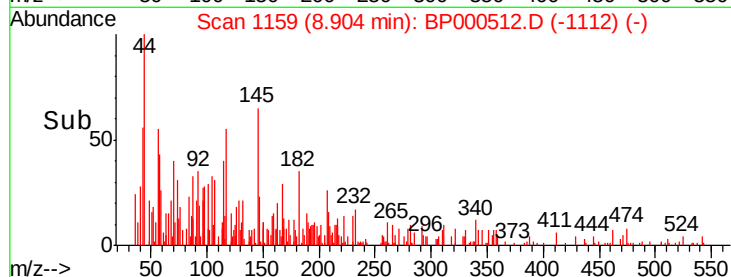
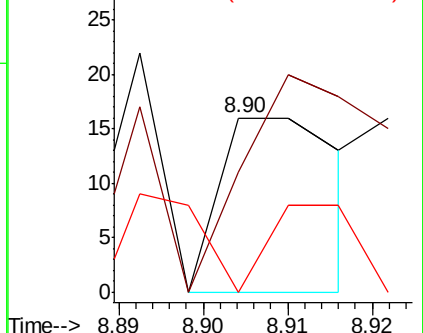
Tot Ion:	237	Resp:	16
Ion	Ratio	Lower	Upper
237	100		
235	68.8	42.9	82.9
272	0.0	0.0	32.4



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: 103.161 ng

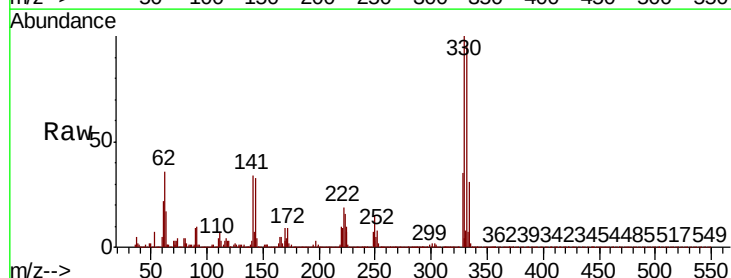
RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

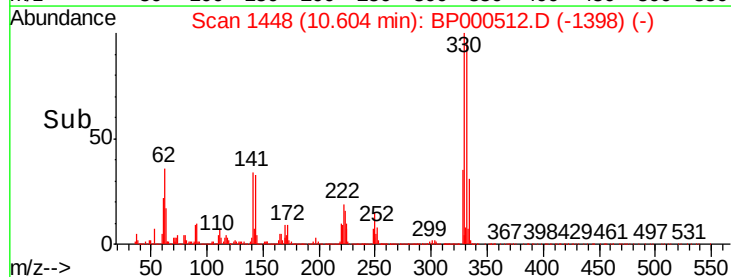
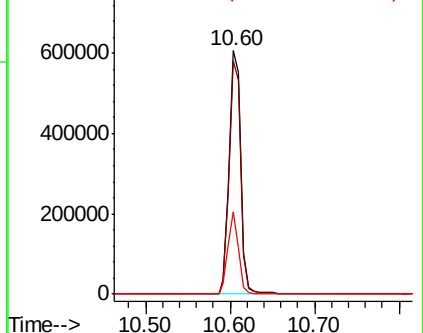
Tgt Ion:	330	Resp:	568630
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	31.2	26.0	39.0

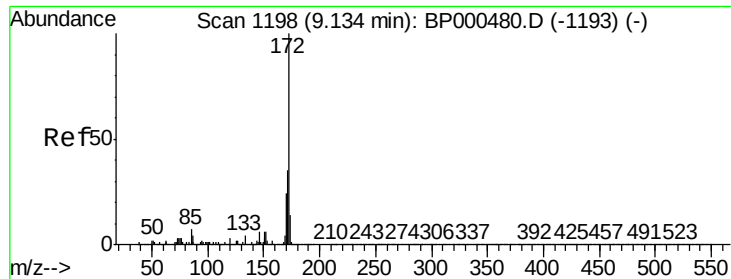


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

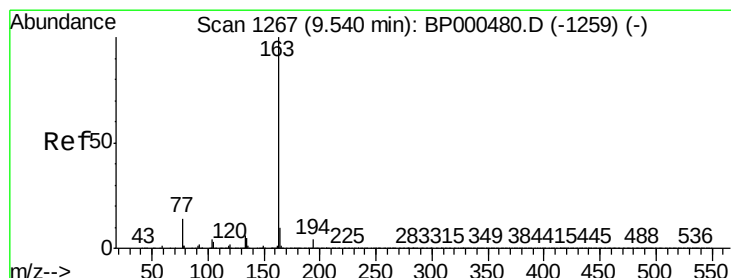
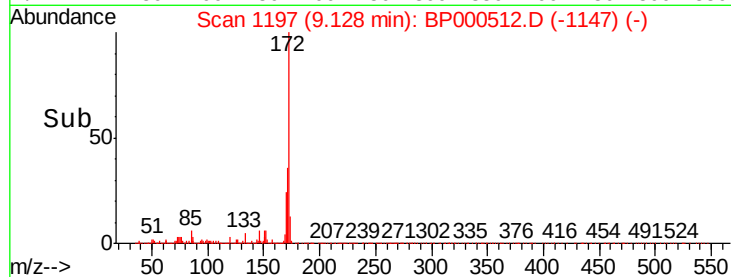
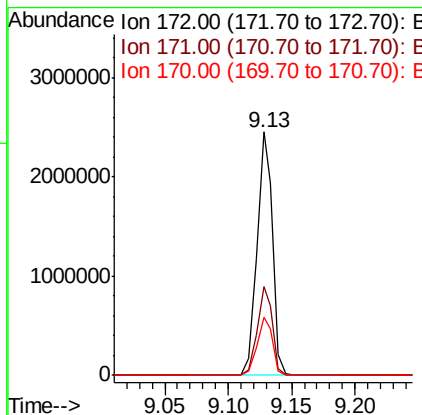
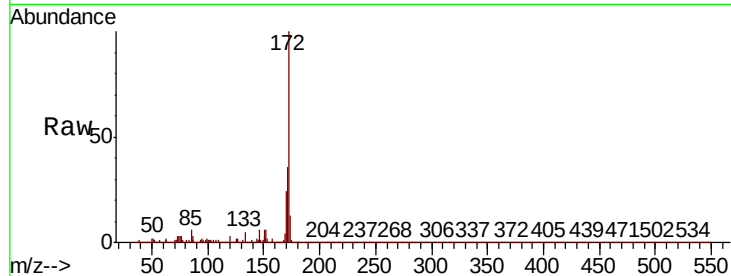




#45
2-Fluorobiphenyl
Concen: 66.119 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

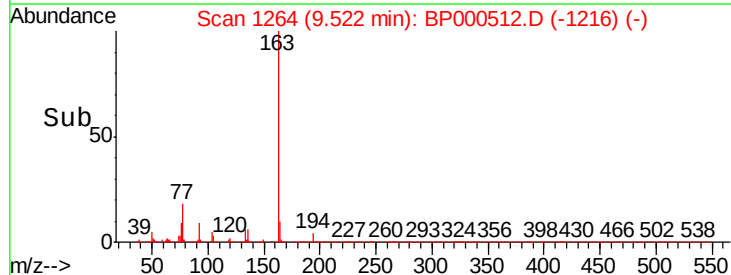
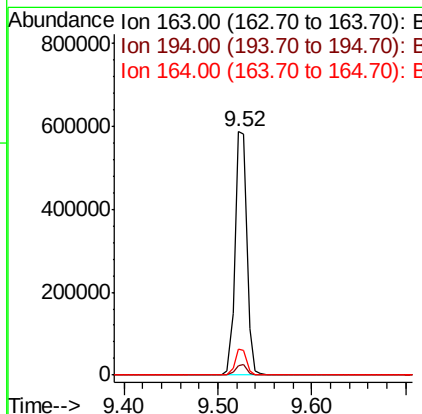
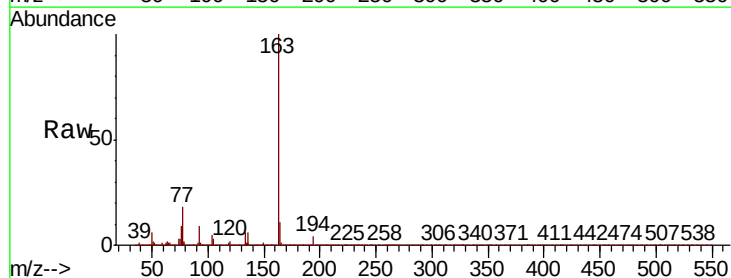
Instrument :
BNA_P
ClientSampleId :

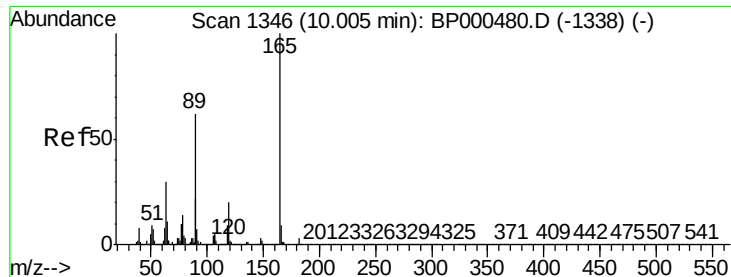
Tot Ion:172 Resp: 2113802
Ion Ratio Lower Upper
172 100
171 36.3 28.4 42.6
170 24.0 19.1 28.7



#50
Dimethylphthalate
Concen: 14.377 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Tgt Ion:163 Resp: 516746
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.5 8.0 12.0

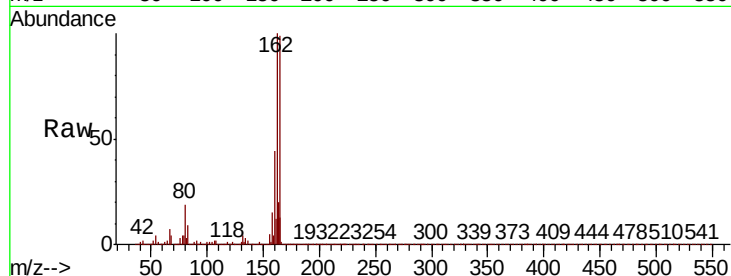




#57
2,4-Dinitrotoluene
Concen: 6.606 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	24.2	36.4#
89	1.3	49.4	74.0#
182	0.1	2.5	3.7#

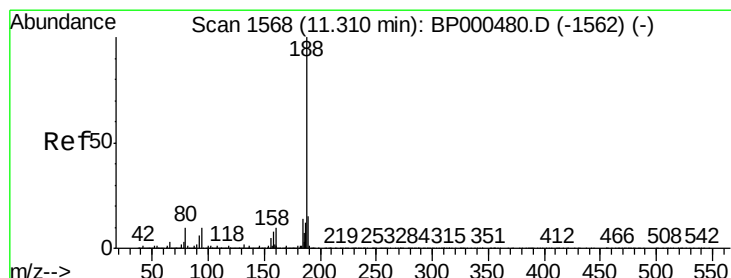
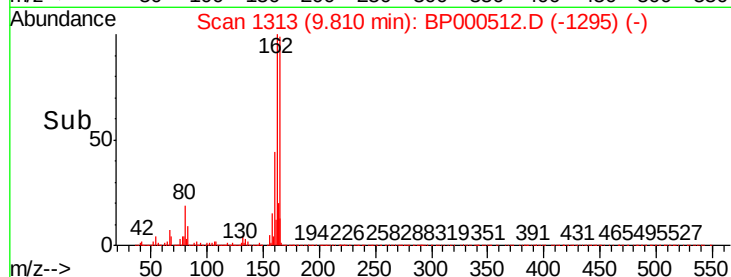
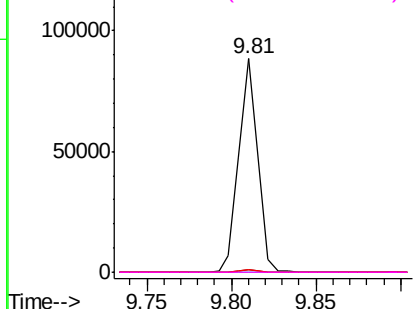


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

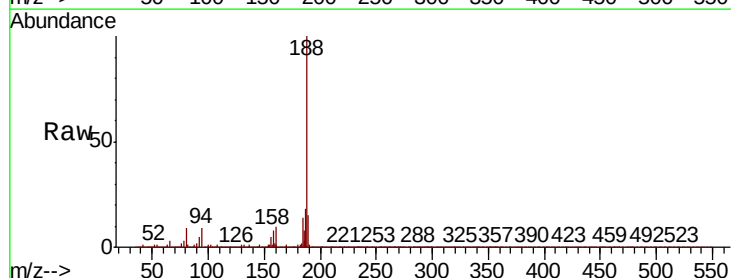
Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

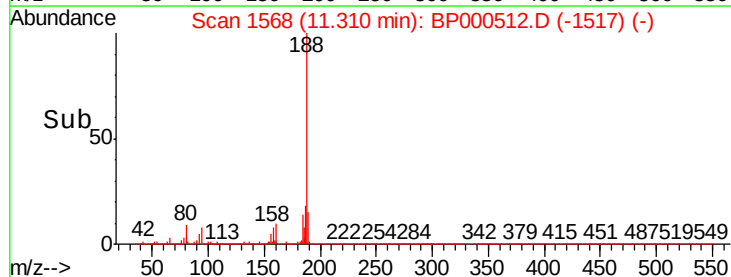
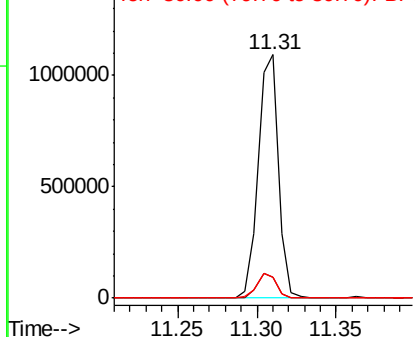
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	8.7	8.3	12.5

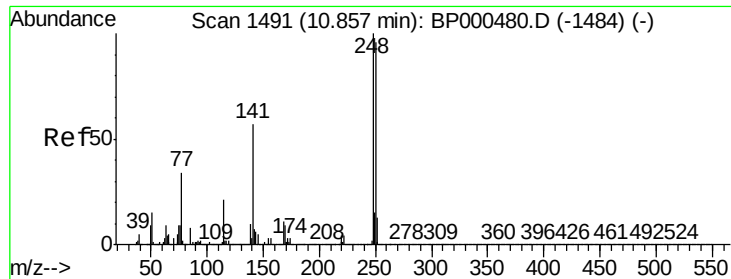


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

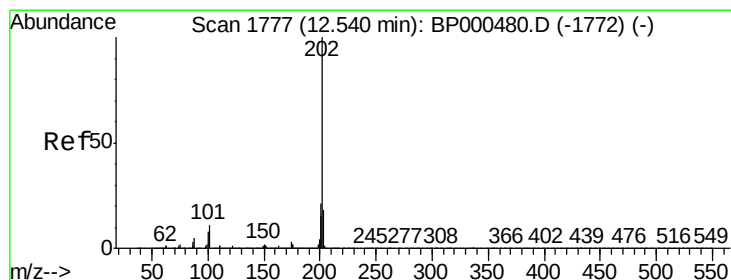
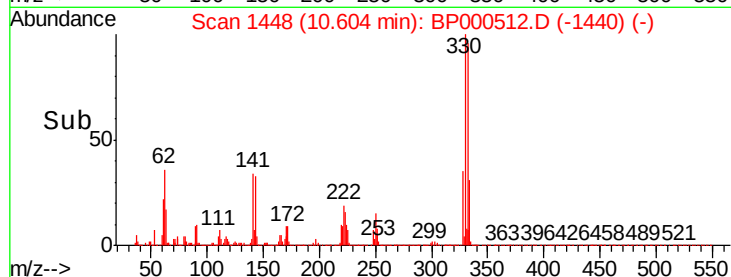
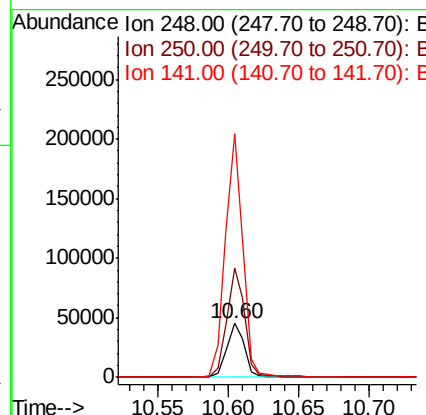
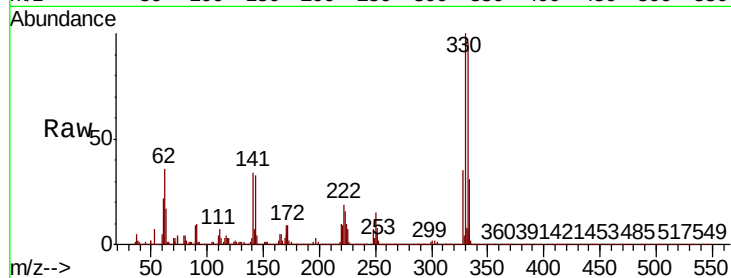




#67
4-Bromophenyl-phenylether
Concen: 3.583 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

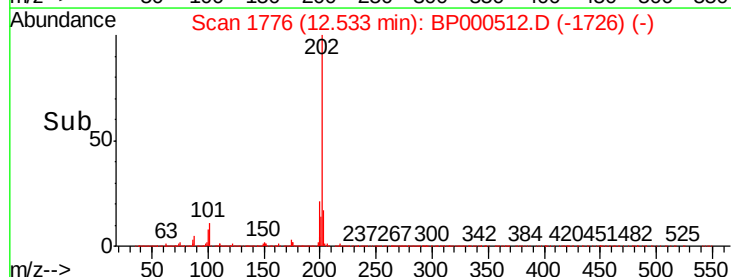
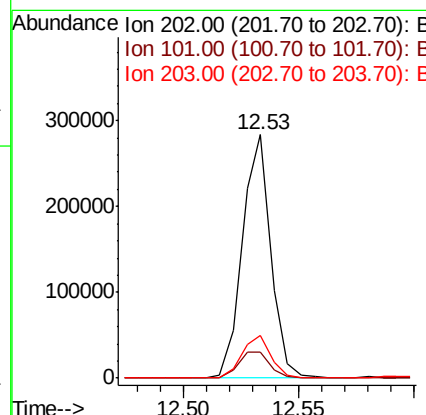
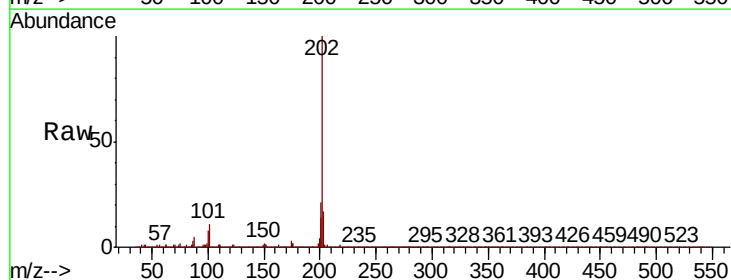
Instrument :
BNA_P
ClientSampled :

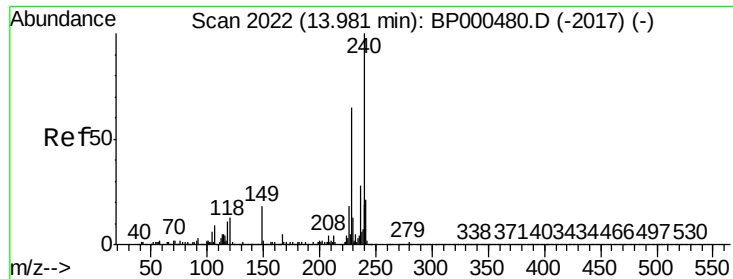
Tot Ion:248 Resp: 39204
Ion Ratio Lower Upper
248 100
250 202.4 77.2 115.8#
141 453.1 45.3 67.9#



#75
Fluoranthene
Concen: 4.423 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Tgt Ion:202 Resp: 242486
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.3
203 17.4 0.0 38.1

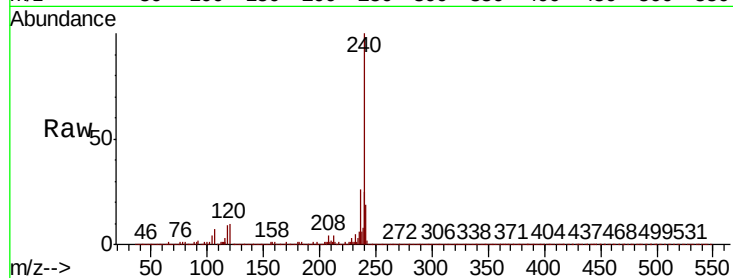




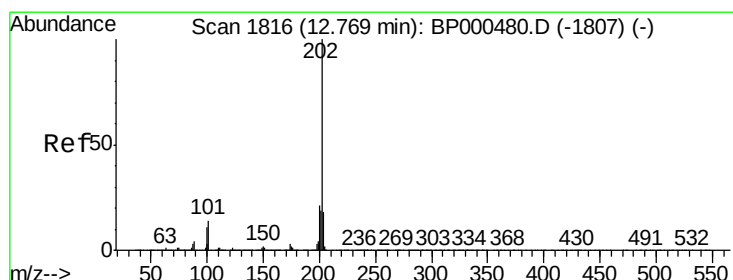
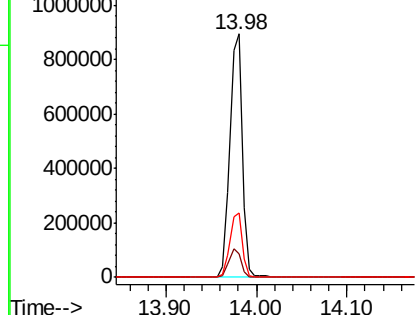
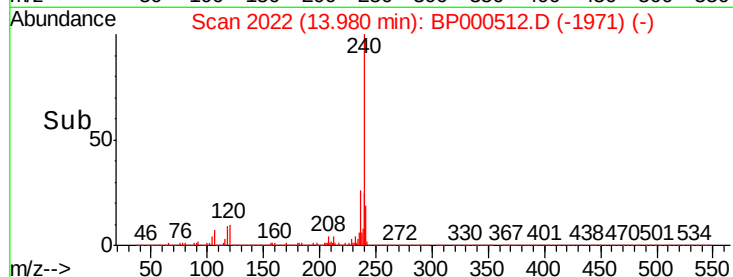
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Instrument :
BNA_P
ClientSampleID :

Tot Ion:240 Resp: 848299
Ion Ratio Lower Upper
240 100
120 9.8 10.1 15.1#
236 26.3 22.7 34.1

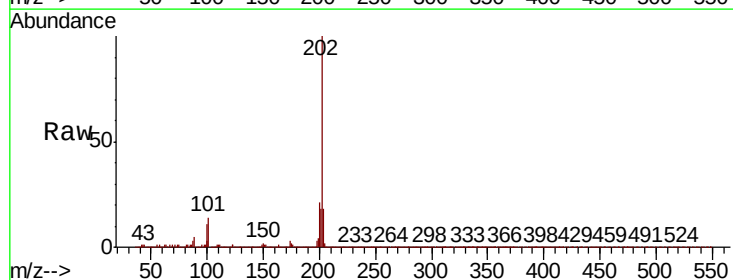


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

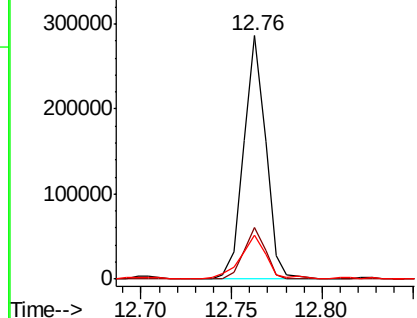
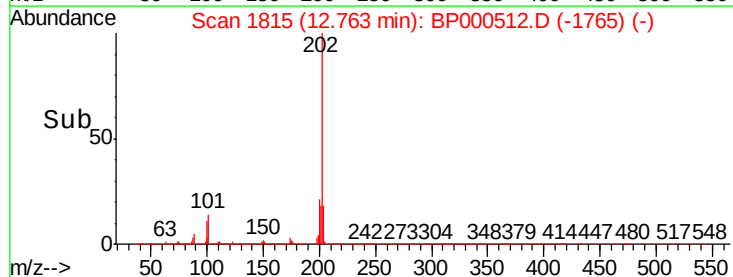


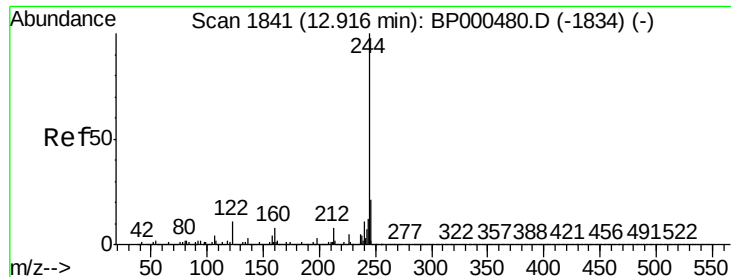
#78
Pyrene
Concen: 4.120 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Tgt Ion:202 Resp: 241047
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.2 14.6 21.8



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: 63.056 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

Instrument :

BNA_P

ClientSampleId :

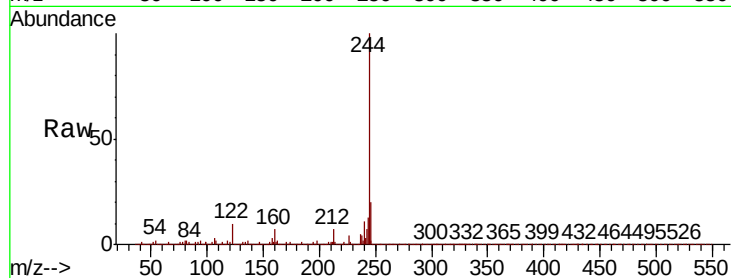
Tot Ion:244 Resp: 2641839

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

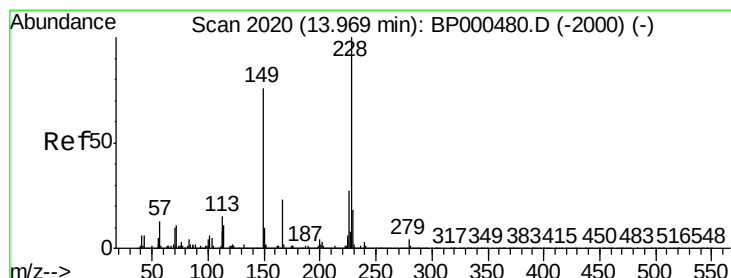
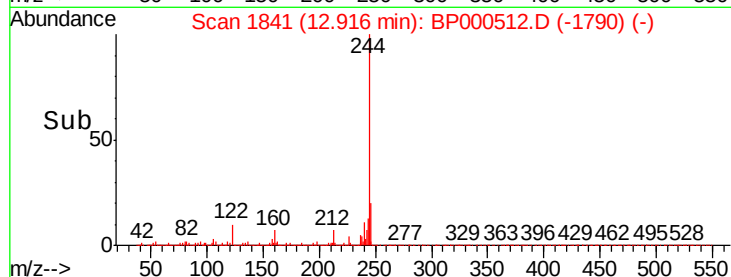
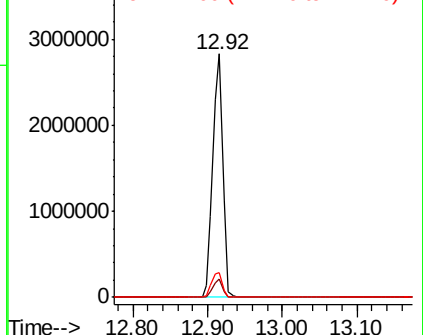
122 10.3 8.9 13.3



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: 3.129 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.03 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

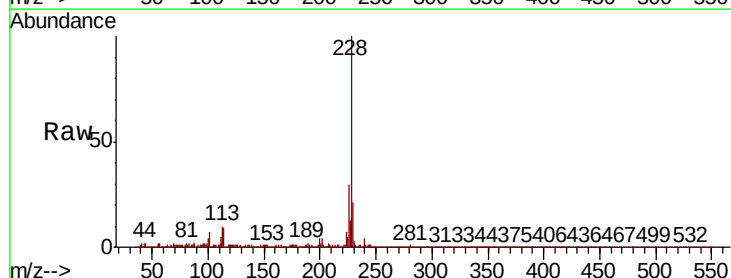
Tgt Ion:228 Resp: 161941

Ion Ratio Lower Upper

228 100

226 29.9 21.4 32.2

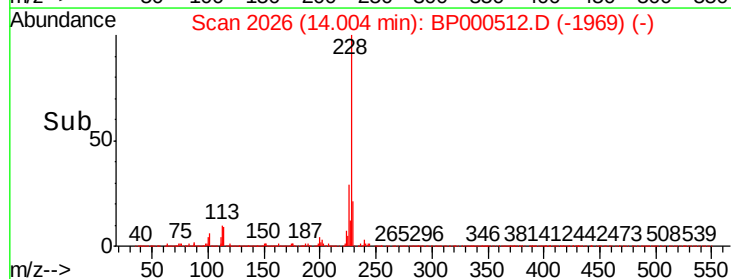
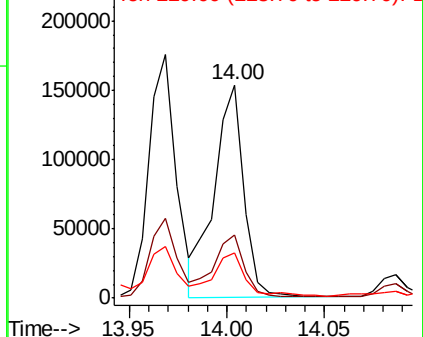
229 21.4 14.7 22.1

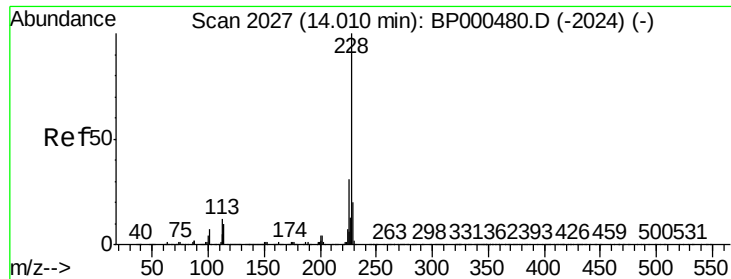


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

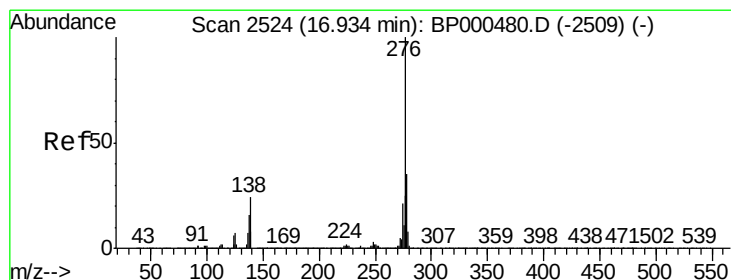
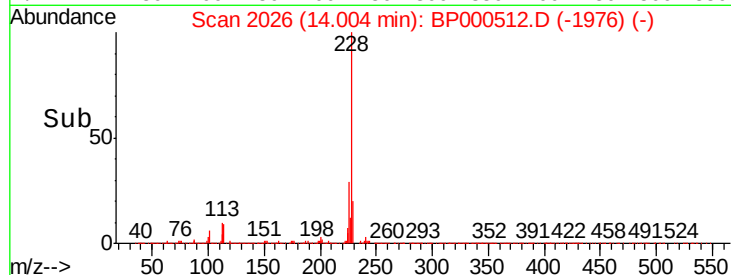
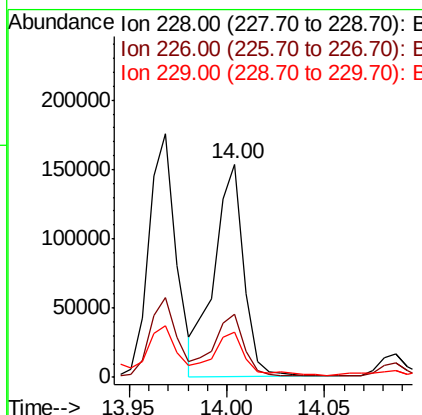
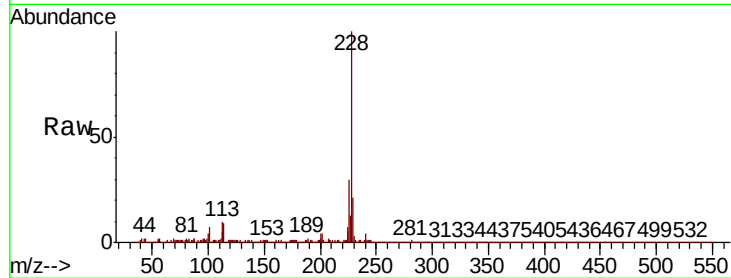




#83
Chrysene
Concen: 3.188 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

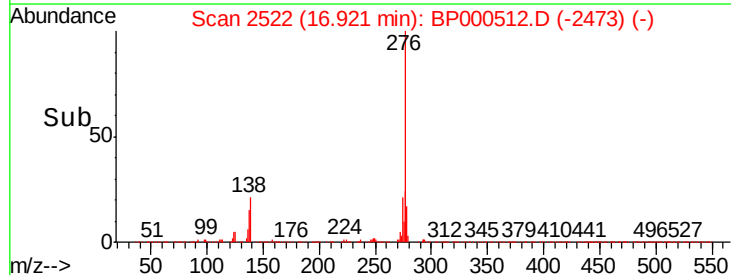
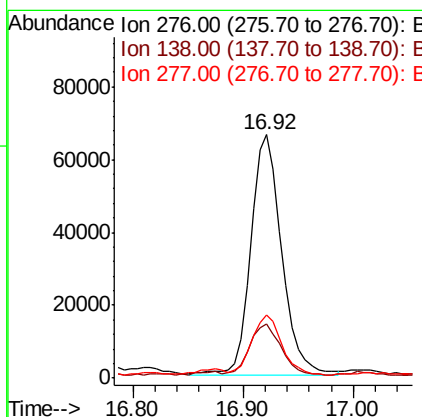
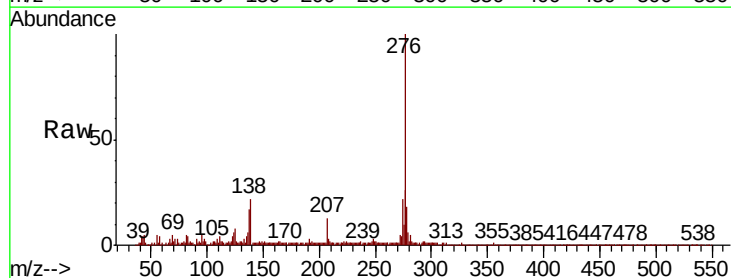
Instrument :
BNA_P
ClientSampleId :

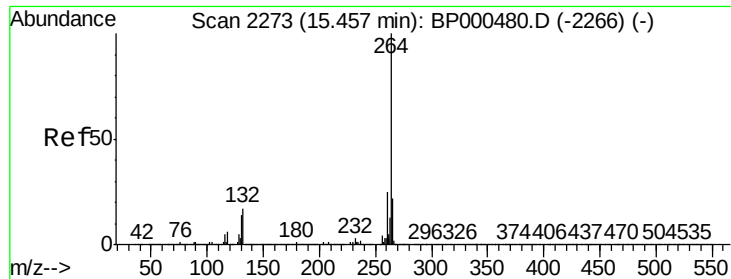
Tot Ion:228 Resp: 161941
Ion Ratio Lower Upper
228 100
226 29.9 24.7 37.1
229 21.4 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.041 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Tgt Ion:276 Resp: 129535
Ion Ratio Lower Upper
276 100
138 22.1 20.9 31.3
277 24.2 20.6 30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

Instrument :

BNA_P

ClientSampleId :

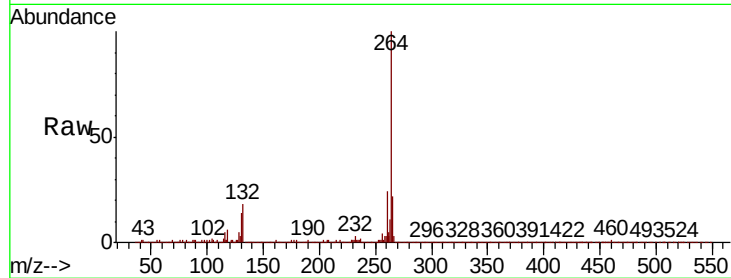
Tot Ion:264 Resp: 916726

Ion Ratio Lower Upper

264 100

260 23.5 20.3 30.5

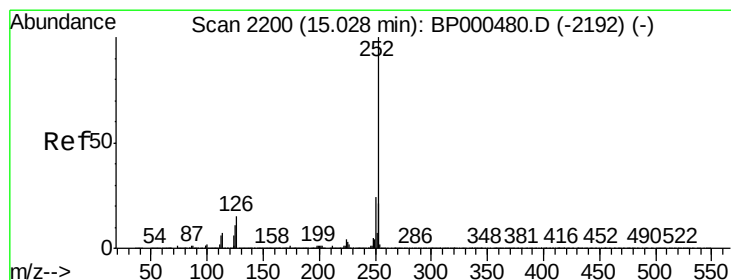
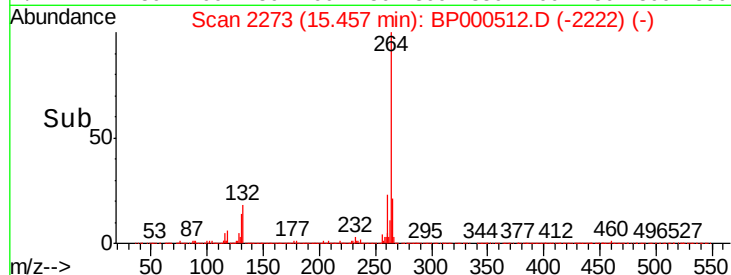
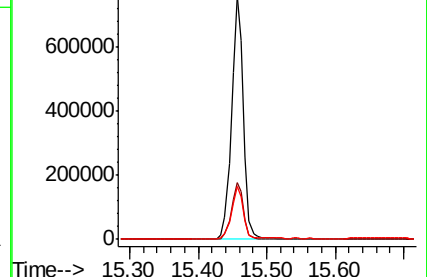
265 21.6 18.0 27.0



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: 6.510 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

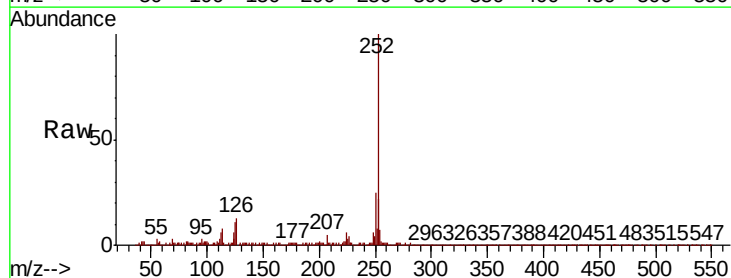
Tgt Ion:252 Resp: 338570

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

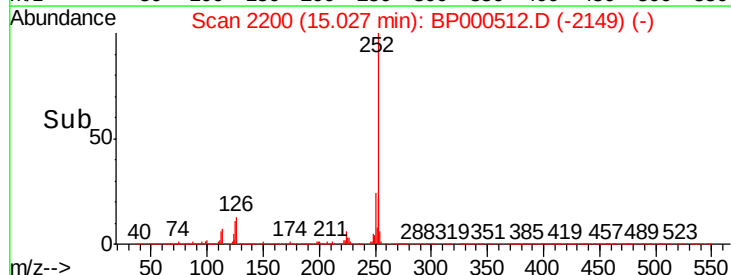
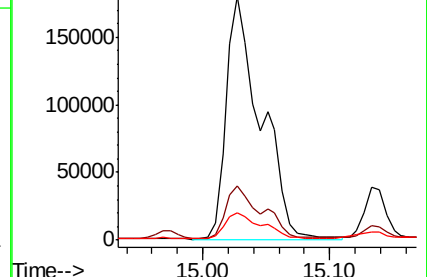
125 11.5 8.9 13.3

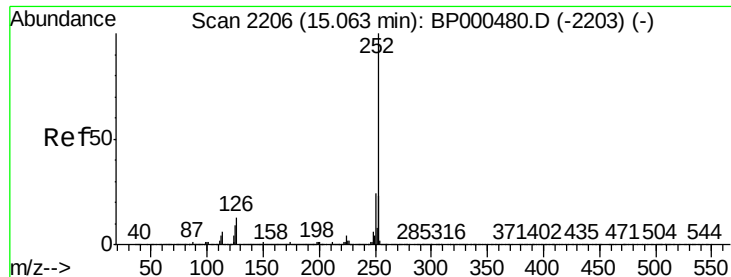


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

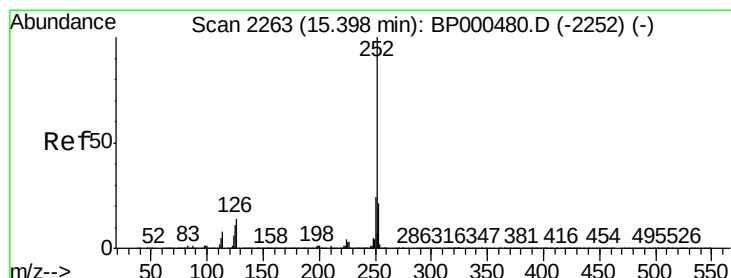
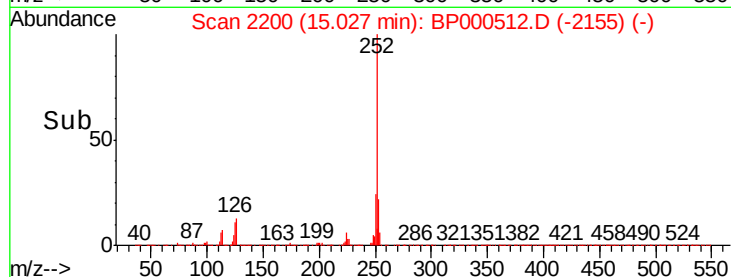
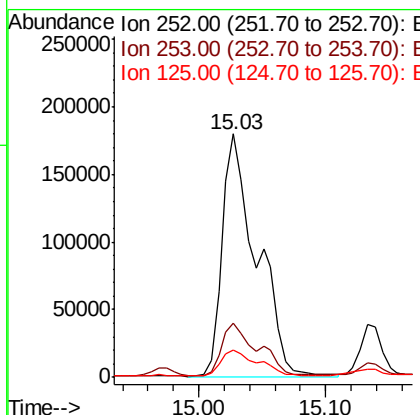
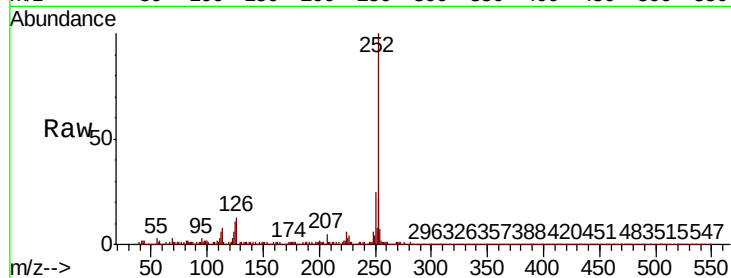




#89
Benzo(k)fluoranthene
Concen: 6.838 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

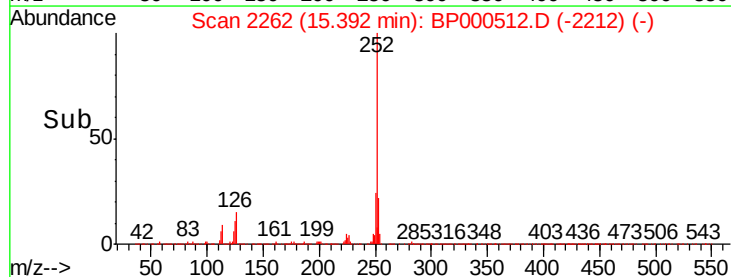
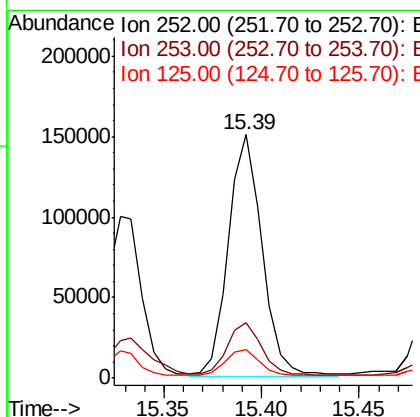
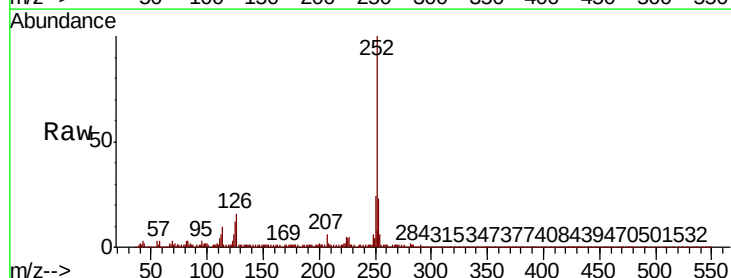
Instrument :
BNA_P
ClientSampled :

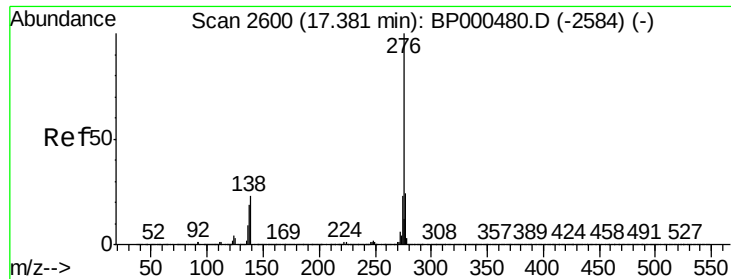
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	11.5	7.8	11.8



#90
Benzo(a)pyrene
Concen: 3.698 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP000512.D
Acq: 04 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	12.0	8.4	12.6





#92

Benzo(a,h,i)perylene

Concen: 2.735 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BP000512.D

Acq: 04 Oct 2019 17:12

Instrument :

BNA_P

ClientSampleId :

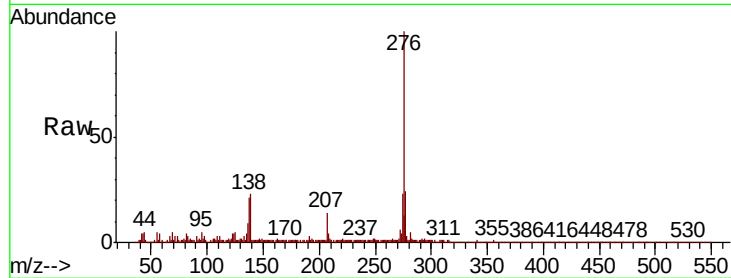
Tot Ion: 276 Resp: 130698

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.2

138 22.9 18.5 27.7



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

