

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099116.D
 Acq On : 23 Mar 2019 17:39
 Operator : JU/SJ
 Sample : K2014-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-B121-031919

Quant Time: Mar 23 22:36:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 23 04:40:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3538	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13950	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9216	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	26396	0.40	ng	0.00
27) Chrysene-d12	21.38	240	38595	0.40	ng	-0.01
34) Perylene-d12	23.90	264	41998	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4222	0.40	ng	0.00
5) Phenol-d6	6.99	99	6175	0.41	ng	0.00
8) Nitrobenzene-d5	8.99	82	4061	0.67	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	8810	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1583	0.58	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13464	0.37	ng	-0.01
25) Fluoranthene-d10	19.24	212	133979	0.38	ng	0.00
29) Terphenyl-d14	19.83	244	26235	0.32	ng	0.00

Target Compounds

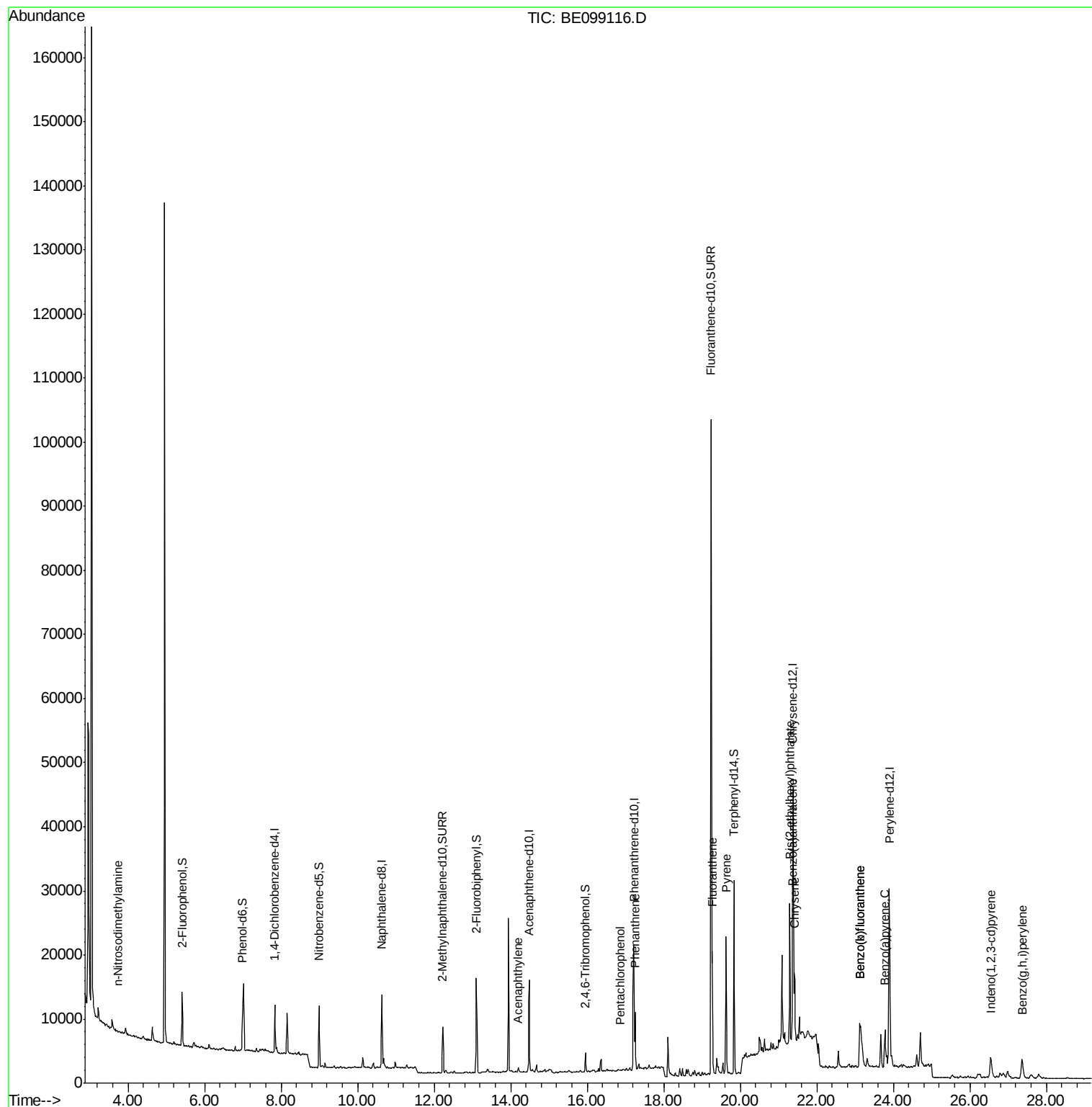
						Qvalue
3) n-Nitrosodimethylamine	3.73	42	100	0.035	ng	# 1
16) Acenaphthylene	14.20	152	1101	0.022	ng	96
22) Pentachlorophenol	16.87	266	21	0.255	ng	87
23) Phenanthrene	17.25	178	8839	0.113	ng	99
26) Fluoranthene	19.27	202	16406	0.149	ng	# 96
28) Pyrene	19.63	202	20230	0.155	ng	96
30) Benzo(a)anthracene	21.37	228	10197	0.075	ng	94
31) Chrysene	21.42	228	11023	0.081	ng	94
32) Bis(2-ethylhexyl)phthalate	21.29	149	24245	0.137	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	6621	0.045	ng	97
35) Benzo(b)fluoranthene	23.12	252	13493	0.093	ng	# 84
36) Benzo(k)fluoranthene	23.12	252	13493	0.095	ng	# 87
37) Benzo(a)pyrene	23.78	252	9814	0.073	ng	# 89
39) Benzo(g,h,i)perylene	27.37	276	7451	0.056	ng	96

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

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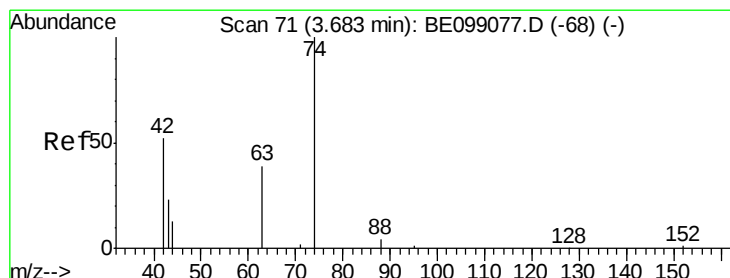
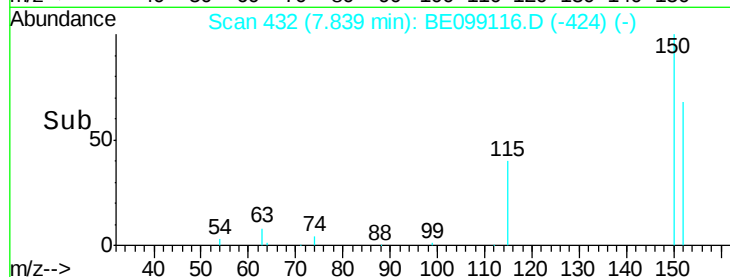
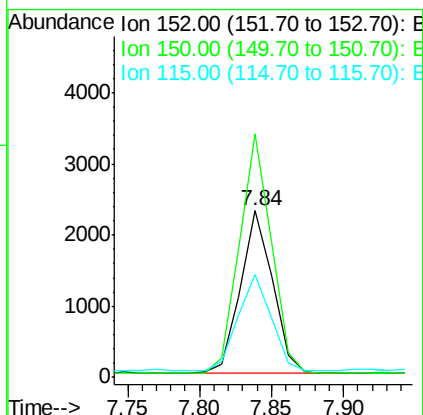
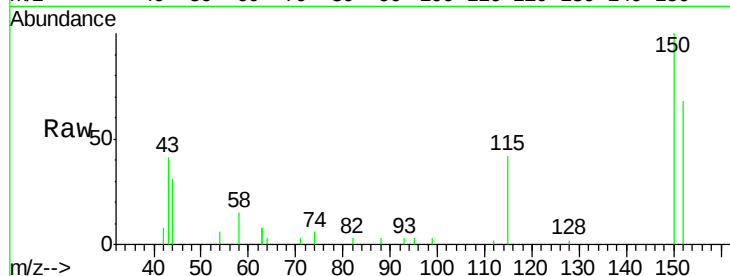


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099116.D
Acq: 23 Mar 2019 17:39

Instrument :
BNA_E
ClientSampleId :
PST-026-B121-031919

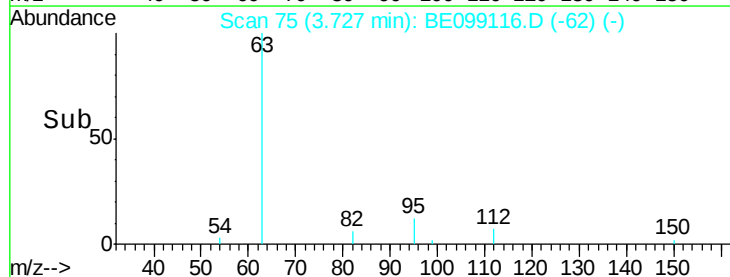
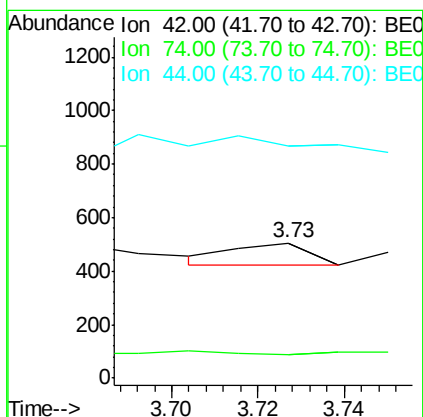
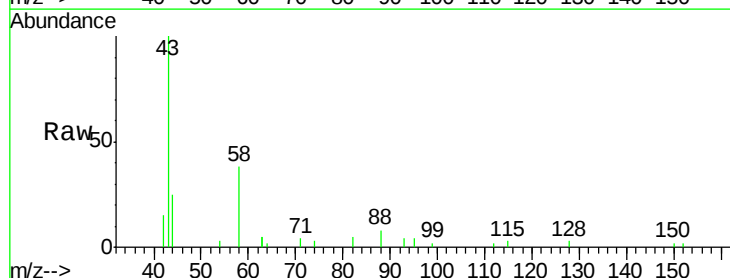
Tgt Ion:152 Resp: 3538
Ion Ratio Lower Upper
152 100
150 146.1 122.5 183.7
115 61.7 57.4 86.2

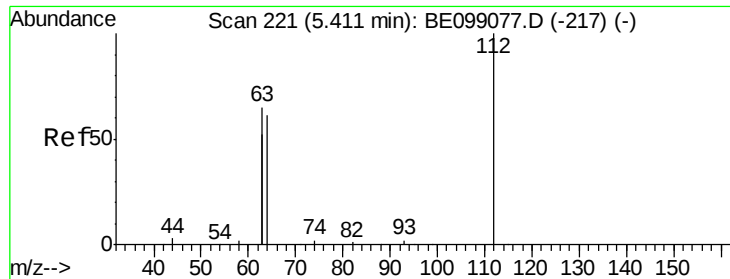


#3

n-Nitrosodimethylamine
Concen: 0.035 ng
RT: 3.73 min Scan# 75
Delta R.T. 0.04 min
Lab File: BE099116.D
Acq: 23 Mar 2019 17:39

Tgt Ion: 42 Resp: 100
Ion Ratio Lower Upper
42 100
74 0.0 160.0 240.0#
44 0.0 0.0 0.0





#4

2-Fluorophenol

Concen: 0.401 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

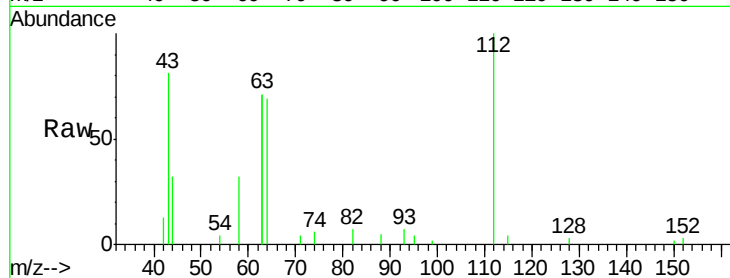
Tgt Ion: 112 Resp: 4222

Ion Ratio Lower Upper

112 100

64 59.8 57.9 86.9

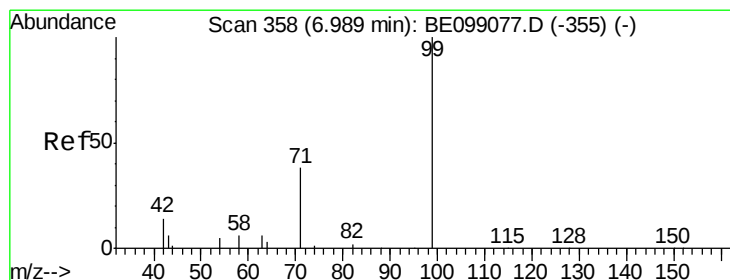
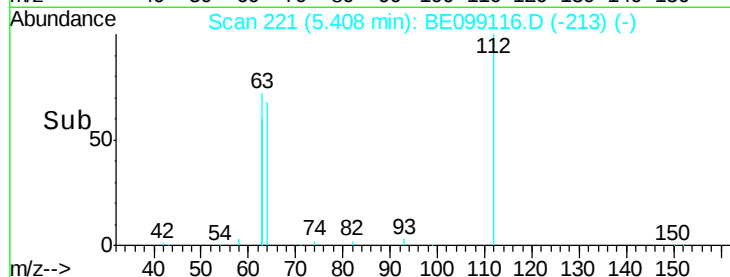
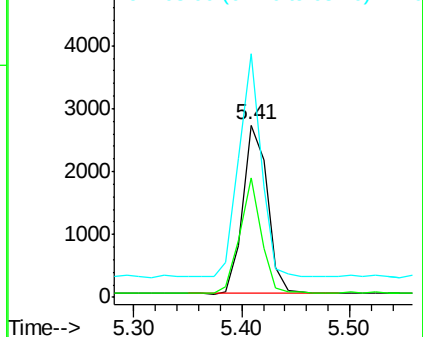
63 120.3 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.407 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

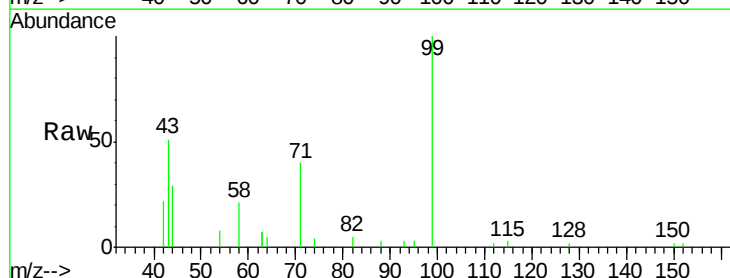
Tgt Ion: 99 Resp: 6175

Ion Ratio Lower Upper

99 100

42 18.4 24.2 36.2#

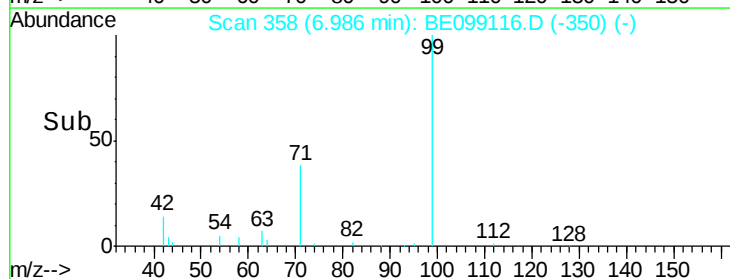
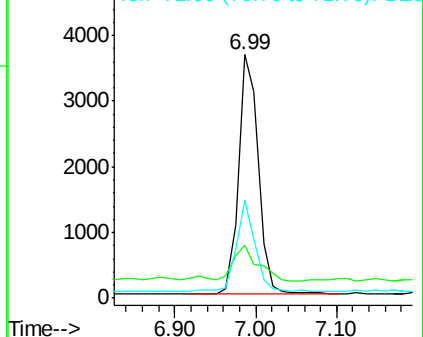
71 35.7 35.7 53.5

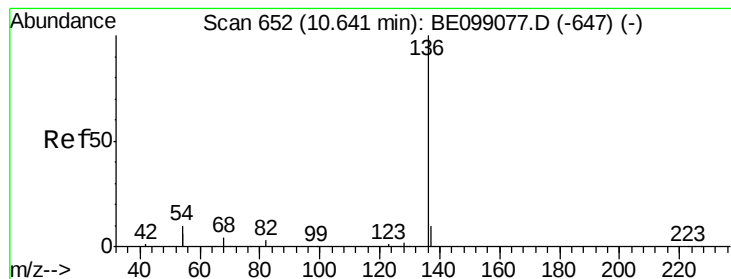


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

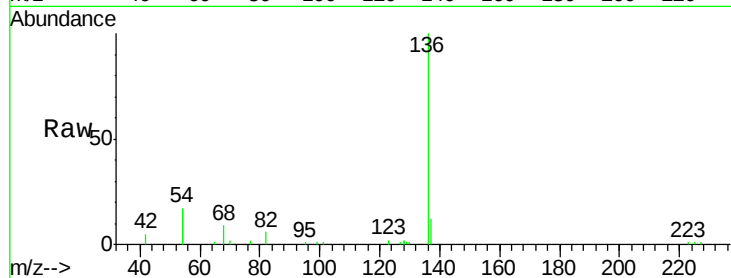
Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

Tgt Ion:	136	Resp:	13950
Ion	Ratio	Lower	Upper
136	100		
137	11.8	11.4	17.0
54	34.5	39.3	58.9#
68	9.4	6.7	10.1

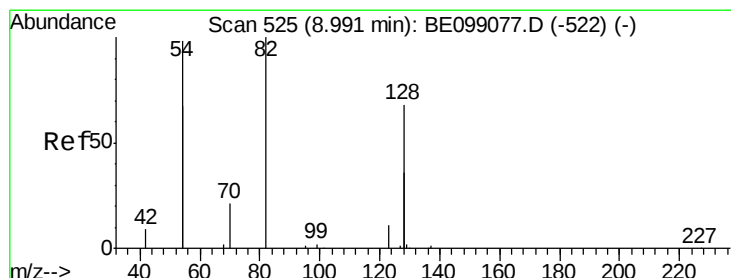
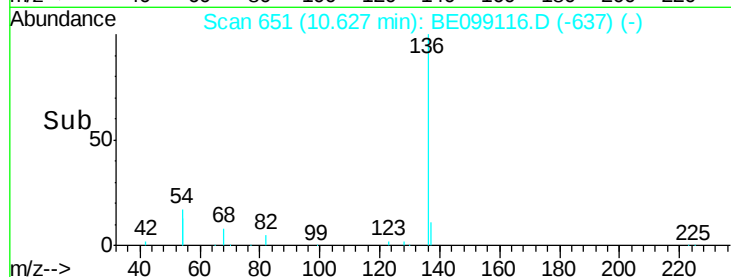
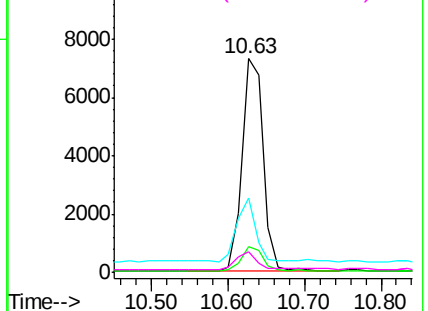


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.666 ng

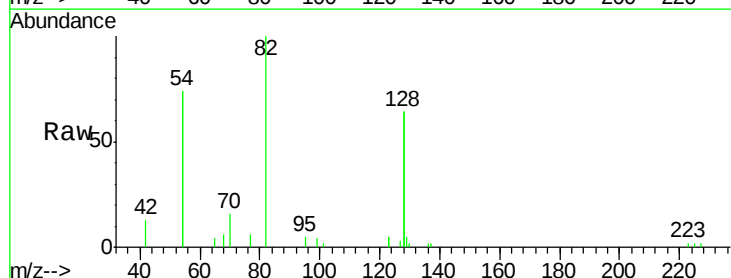
RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

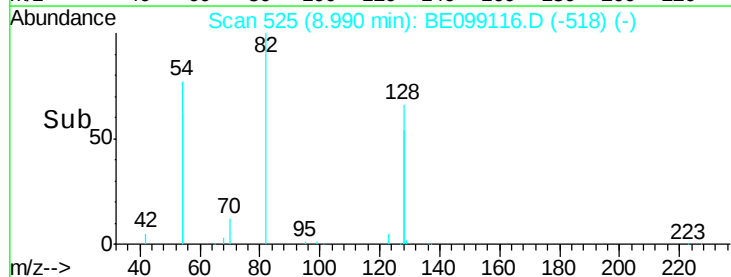
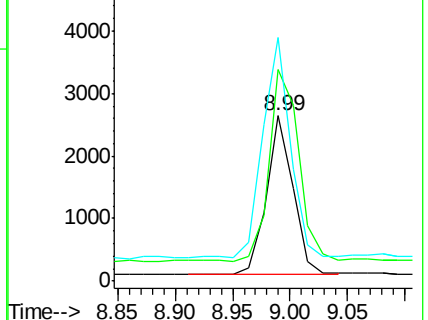
Tgt Ion:	82	Resp:	4061
Ion	Ratio	Lower	Upper
82	100		
128	128.0	123.8	185.8
54	147.5	203.4	305.2#

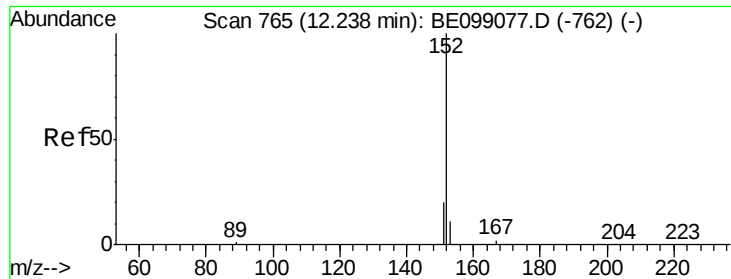


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

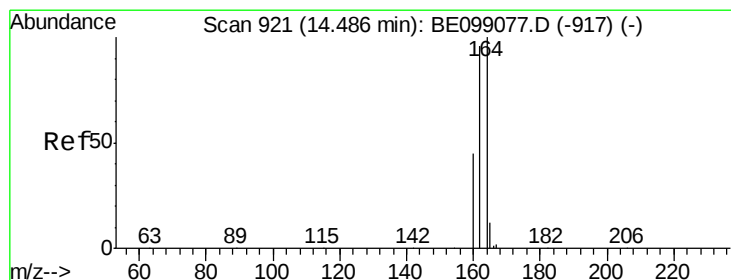
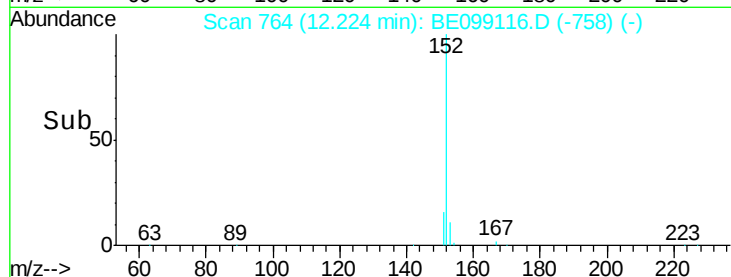
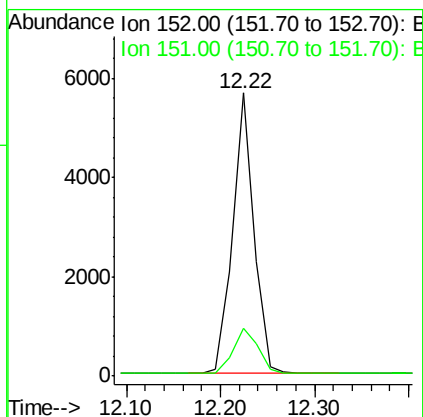
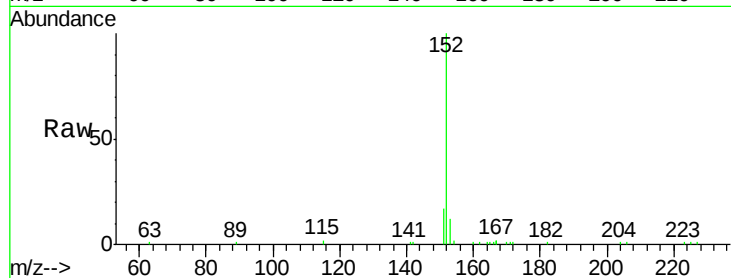




#11
 2-Methylnaphthalene-d10
 Concen: 0.351 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099116.D
 Acq: 23 Mar 2019 17:39

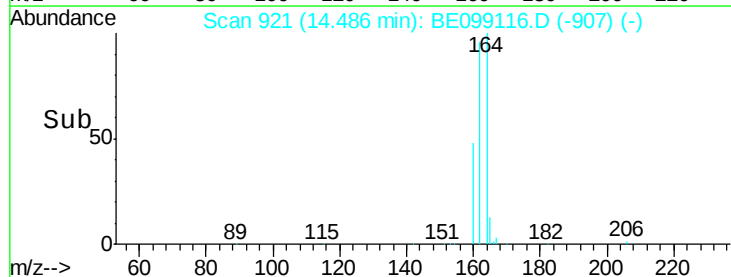
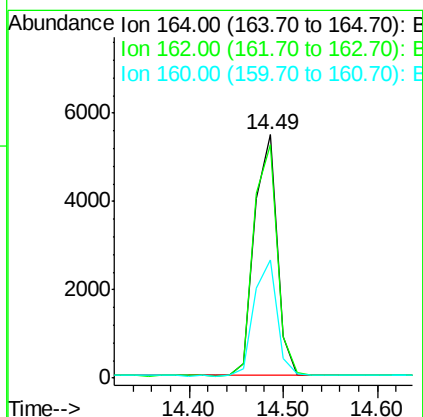
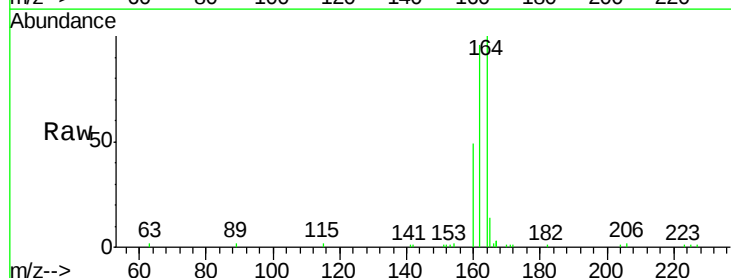
Instrument :
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 PST-026-B121-031919

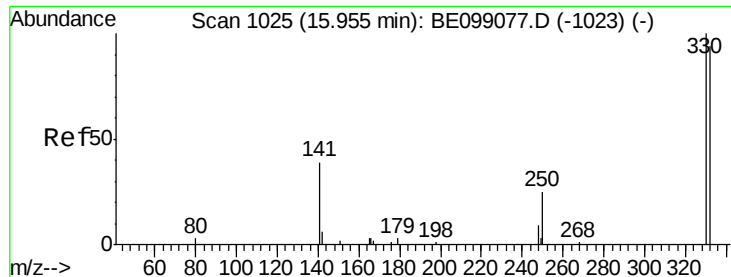
Tgt Ion:152 Resp: 8810
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.5 24.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE099116.D
 Acq: 23 Mar 2019 17:39

Tgt Ion:164 Resp: 9216
 Ion Ratio Lower Upper
 164 100
 162 95.7 80.2 120.2
 160 48.8 37.8 56.8

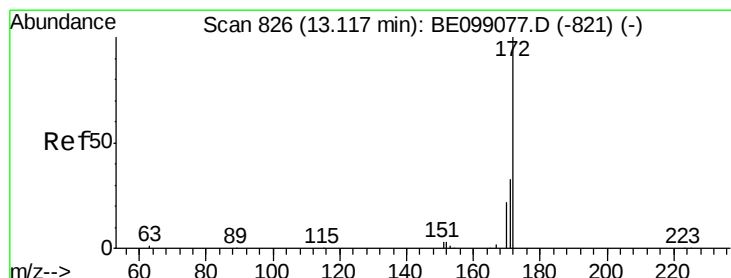
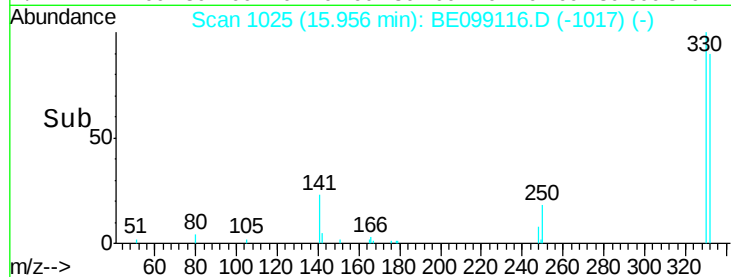
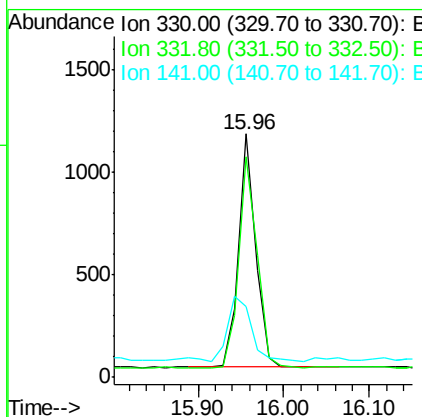
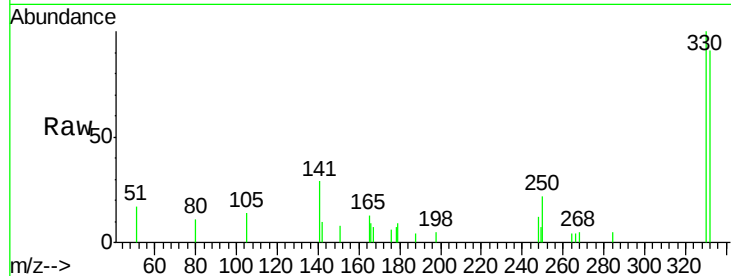




#14
 2,4,6-Tribromophenol
 Concen: 0.584 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099116.D
 Acq: 23 Mar 2019 17:39

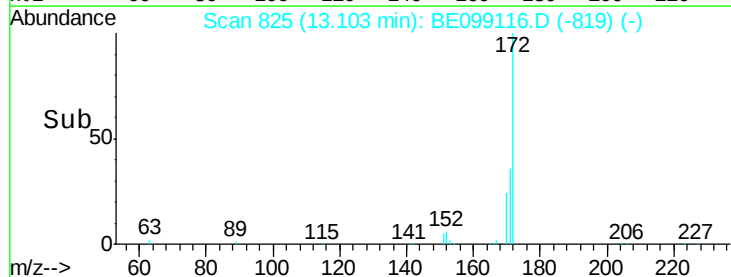
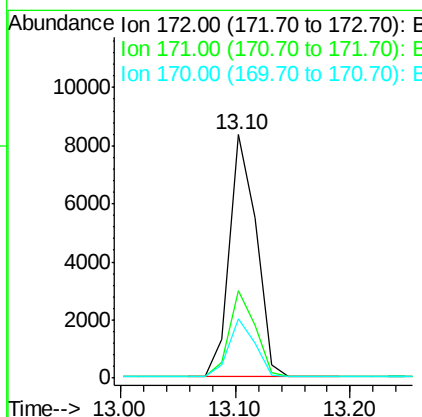
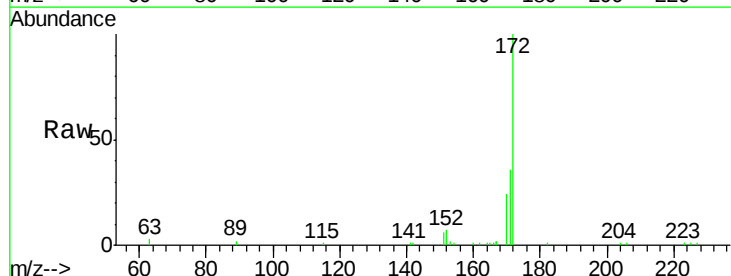
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-B121-031919

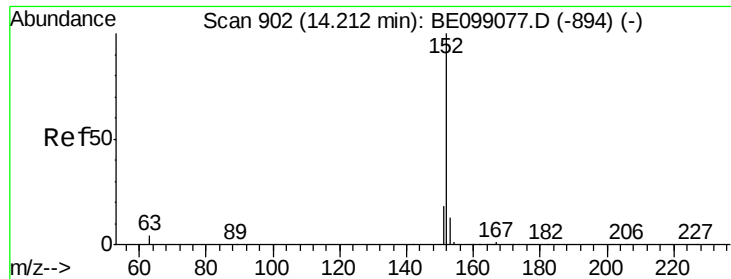
Tgt Ion: 330 Resp: 1583
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.6 116.4
 141 38.0 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.367 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BE099116.D
 Acq: 23 Mar 2019 17:39

Tgt Ion: 172 Resp: 13464
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.0 42.0
 170 24.5 17.7 26.5

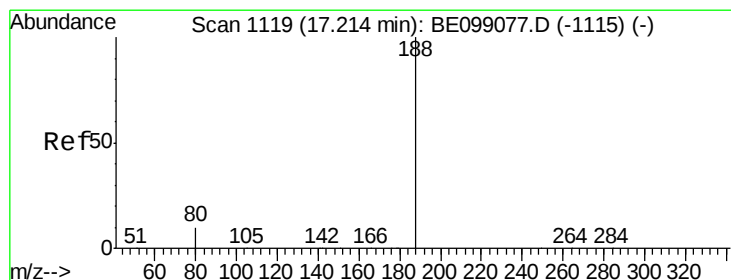
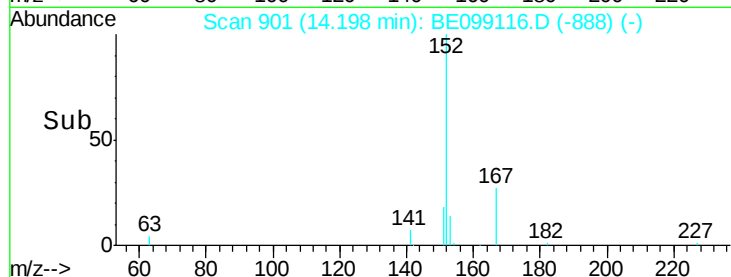
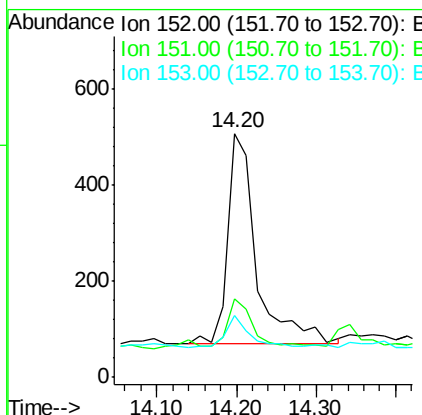
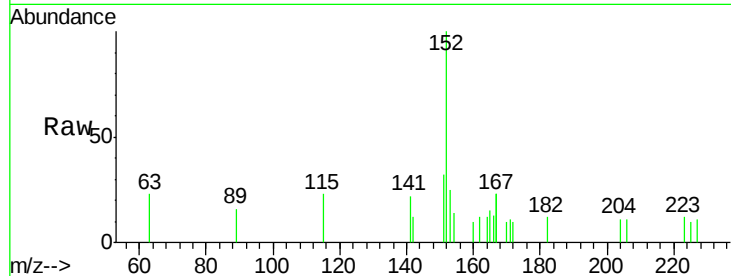




#16
Acenaphthylene
Concen: 0.022 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099116.D
Acq: 23 Mar 2019 17:39

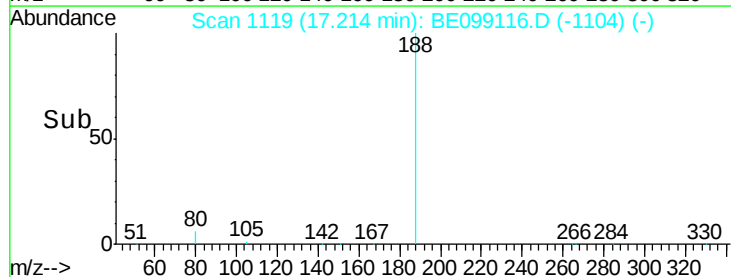
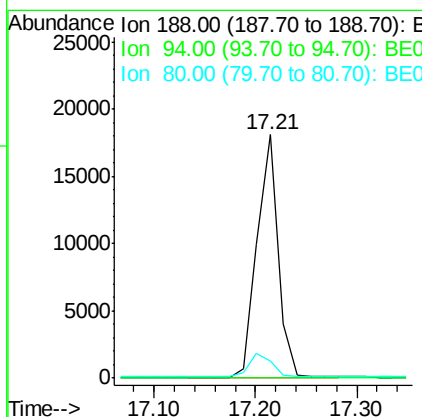
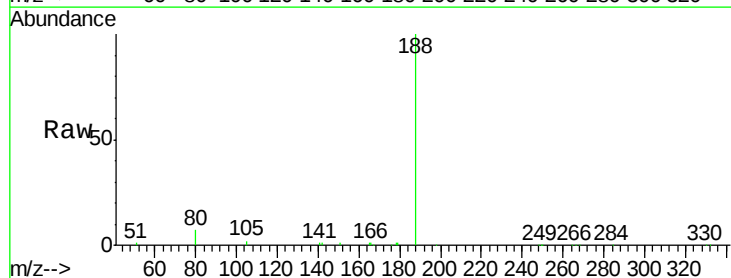
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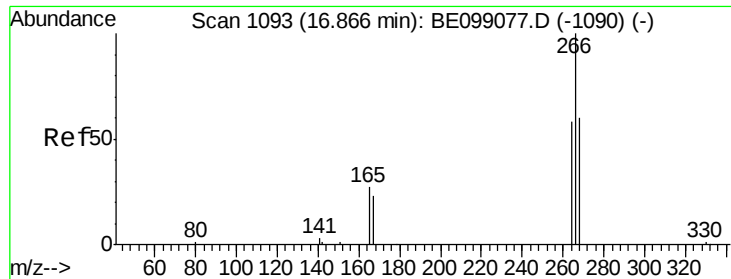
Tgt Ion:152 Resp: 1101
Ion Ratio Lower Upper
152 100
151 18.3 17.0 25.6
153 13.7 11.2 16.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099116.D
Acq: 23 Mar 2019 17:39

Tgt Ion:188 Resp: 26396
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.9 6.3 9.5





#22

Pentachlorophenol

Concen: 0.255 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

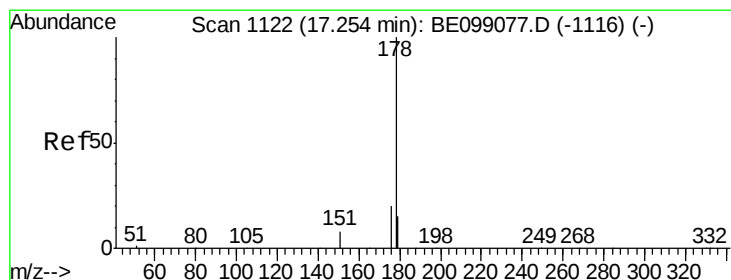
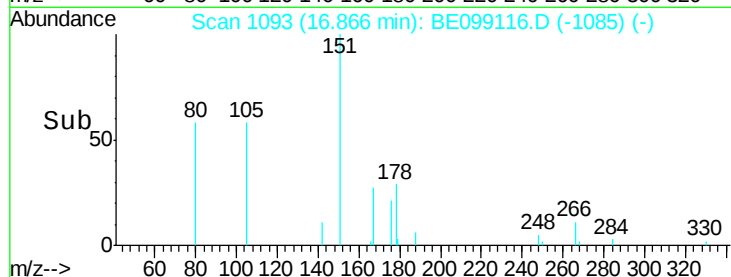
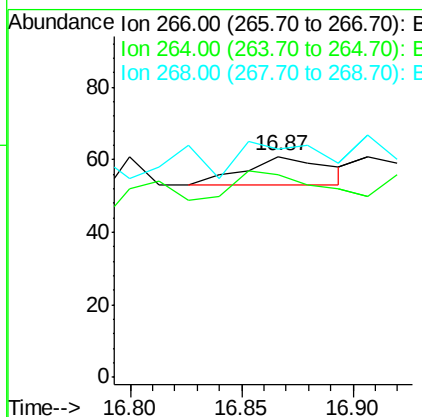
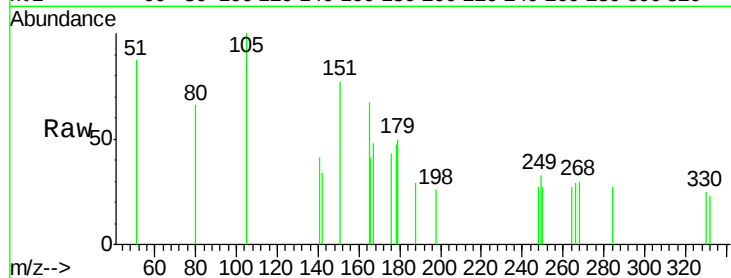
Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

Tgt Ion:	266	Resp:	21
Ion	Ratio	Lower	Upper
266	100		
264	91.8	66.6	100.0
268	103.3	69.8	104.8



#23

Phenanthrene

Concen: 0.113 ng

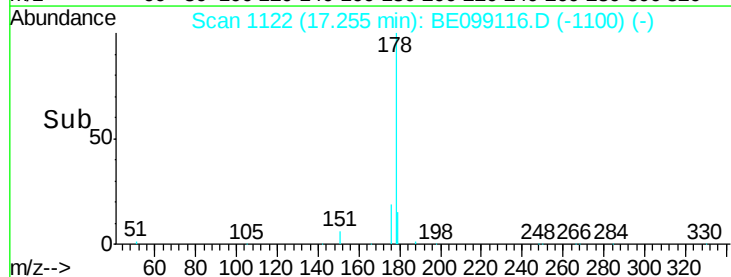
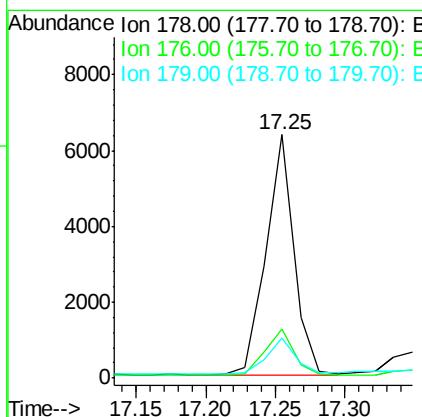
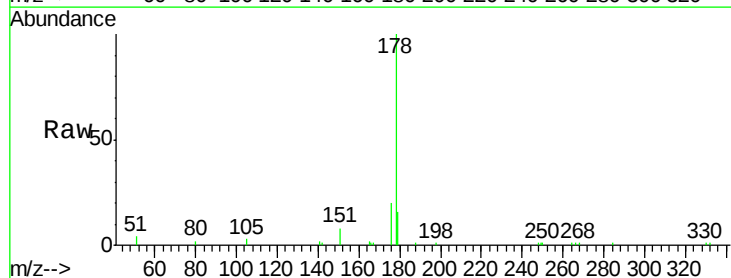
RT: 17.25 min Scan# 1122

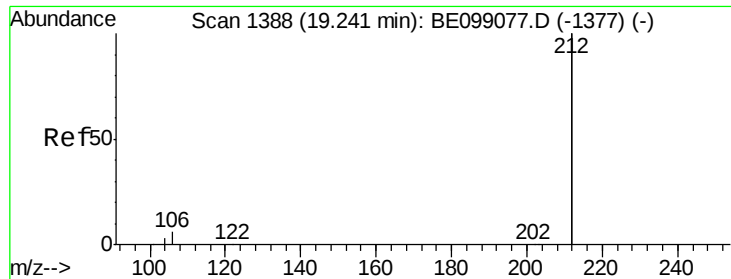
Delta R.T. 0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Tgt Ion:	178	Resp:	8839
Ion	Ratio	Lower	Upper
178	100		
176	20.9	16.0	24.0
179	15.4	12.1	18.1





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

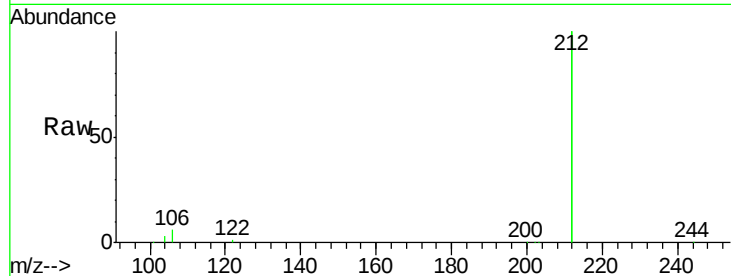
Tgt Ion:212 Resp: 133979

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8#

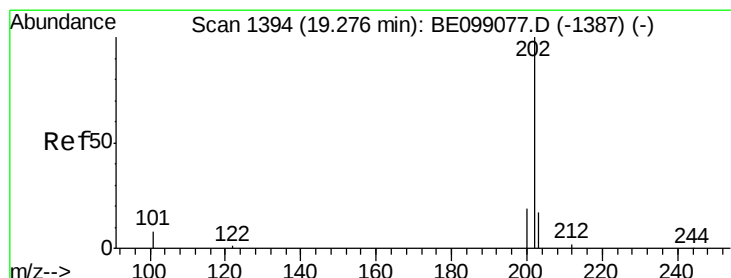
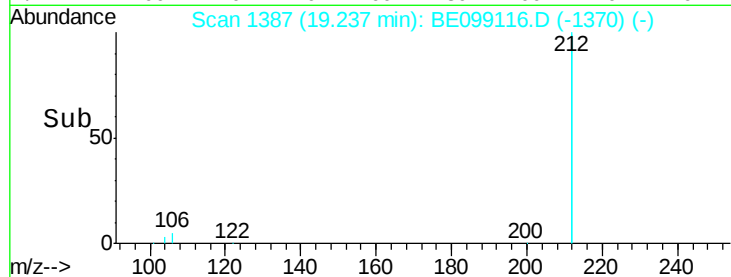
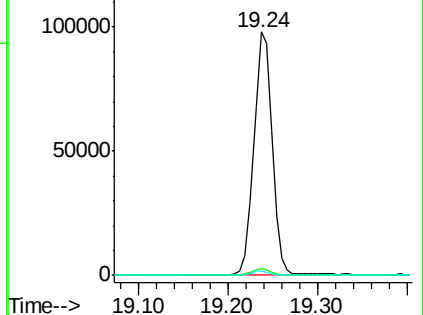
104 1.6 1.0 1.6#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.149 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

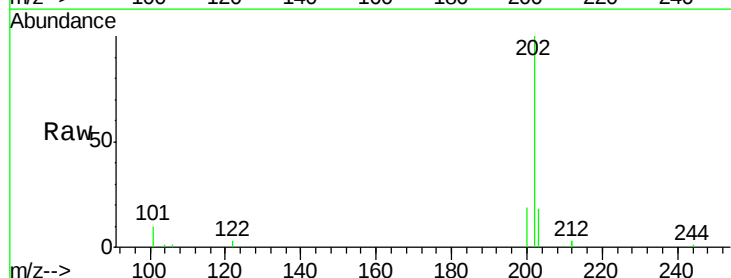
Tgt Ion:202 Resp: 16406

Ion Ratio Lower Upper

202 100

101 12.2 7.3 10.9#

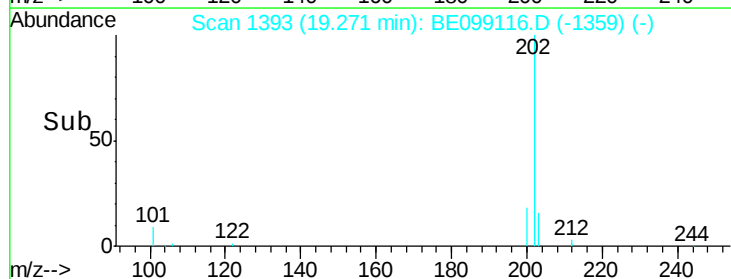
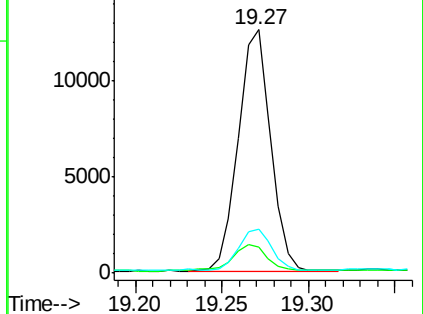
203 17.7 13.4 20.2

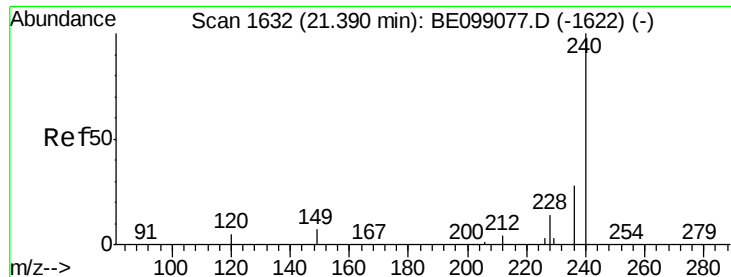


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

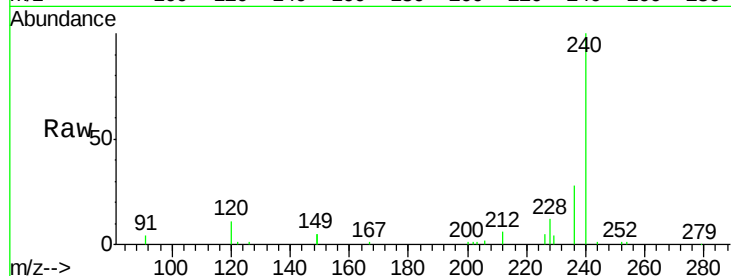
Tgt Ion:240 Resp: 38595

Ion Ratio Lower Upper

240 100

120 11.5 5.0 7.4#

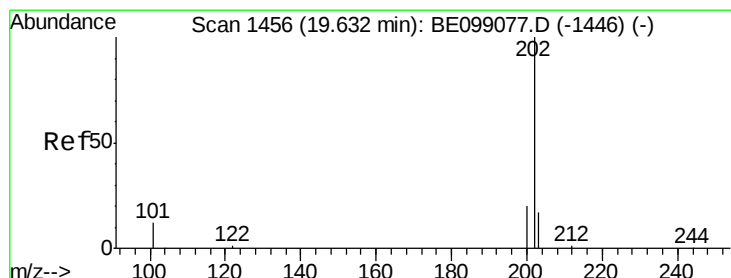
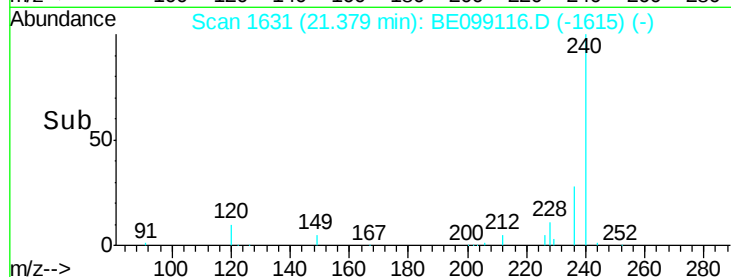
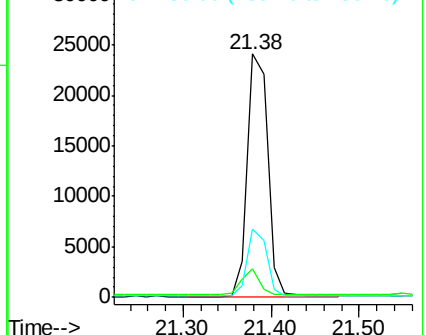
236 28.1 22.7 34.1



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



#28

Pyrene

Concen: 0.155 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

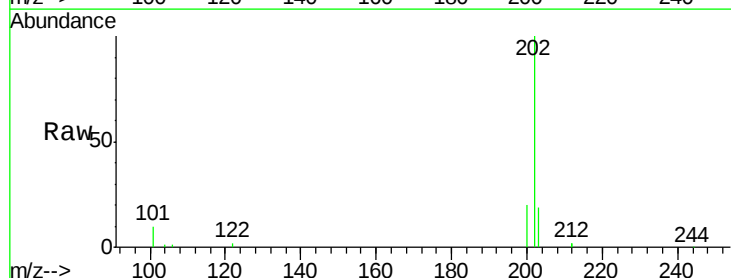
Tgt Ion:202 Resp: 20230

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.6

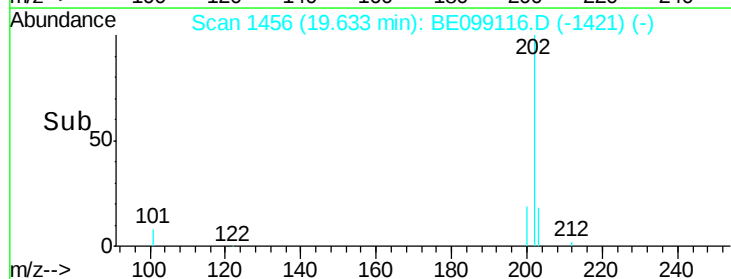
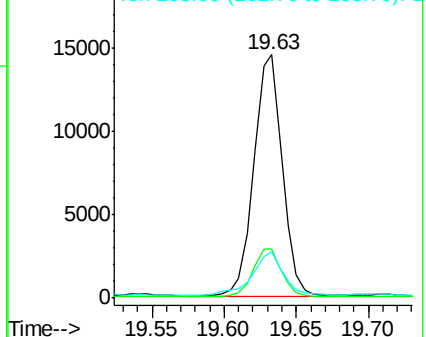
203 20.5 14.2 21.2

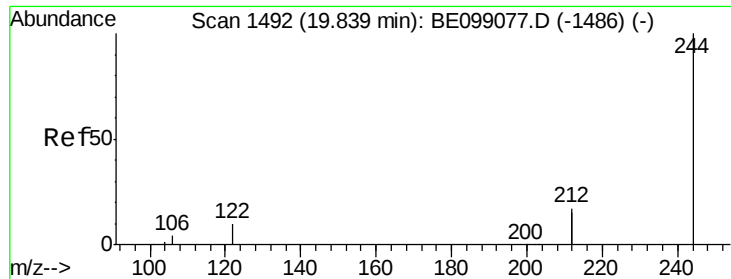


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.321 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

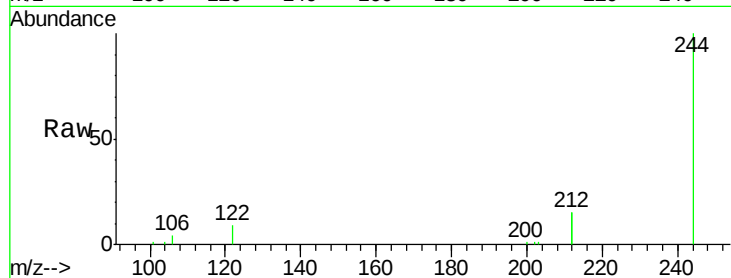
Tgt Ion:244 Resp: 26235

Ion Ratio Lower Upper

244 100

212 30.8 29.4 44.2

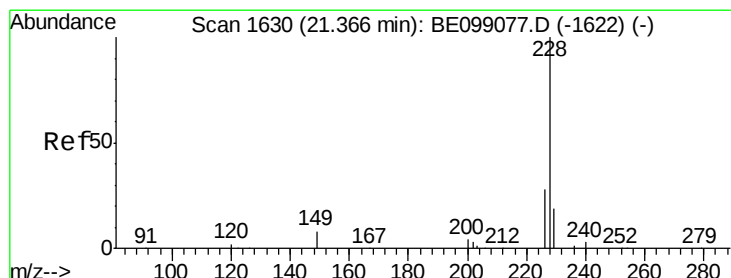
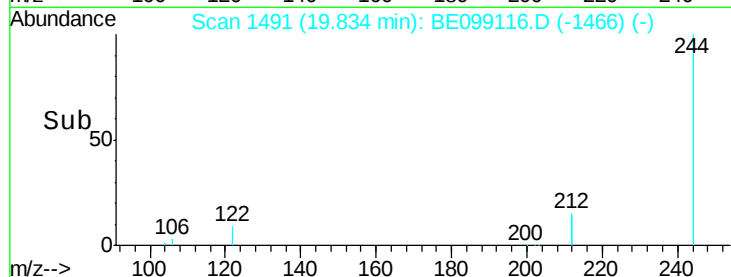
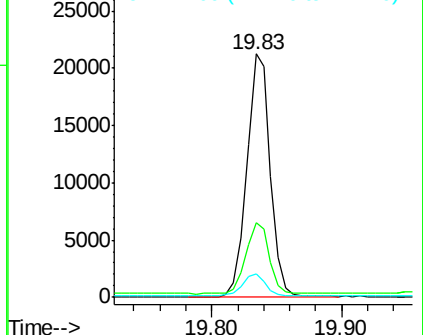
122 9.4 7.1 10.7



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



#30

Benzo(a)anthracene

Concen: 0.075 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

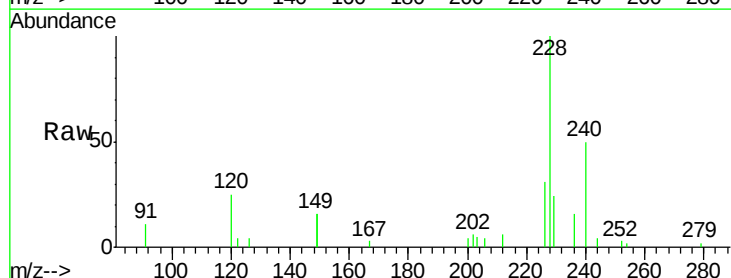
Tgt Ion:228 Resp: 10197

Ion Ratio Lower Upper

228 100

226 31.3 23.0 34.4

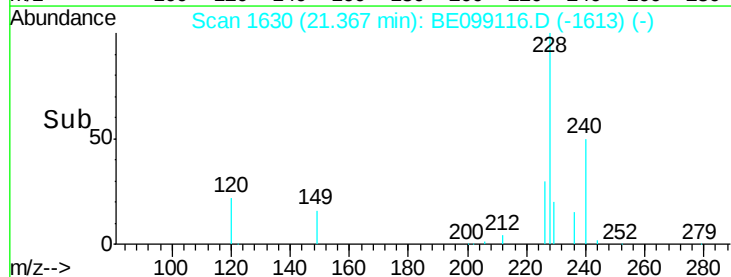
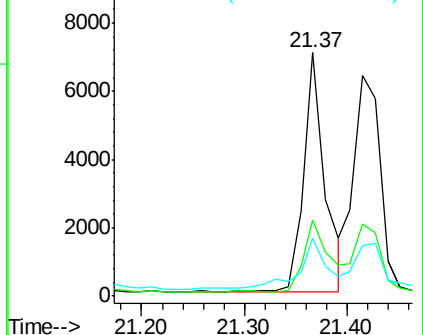
229 23.9 16.5 24.7

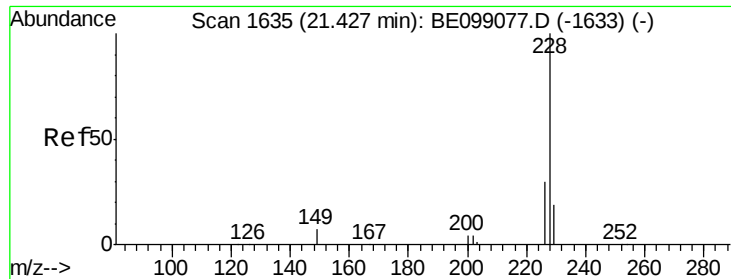


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.081 ng

RT: 21.42 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

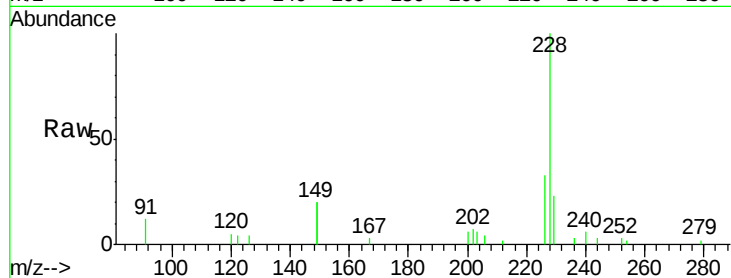
Tgt Ion:228 Resp: 11023

Ion Ratio Lower Upper

228 100

226 32.8 23.7 35.5

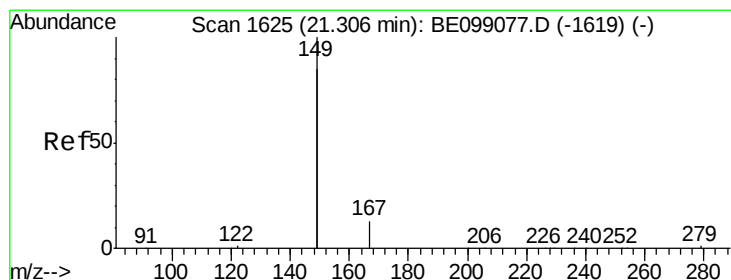
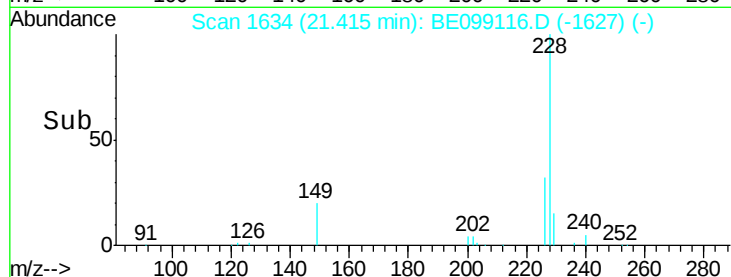
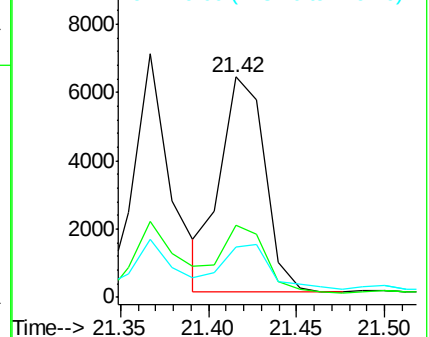
229 22.6 16.1 24.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.137 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

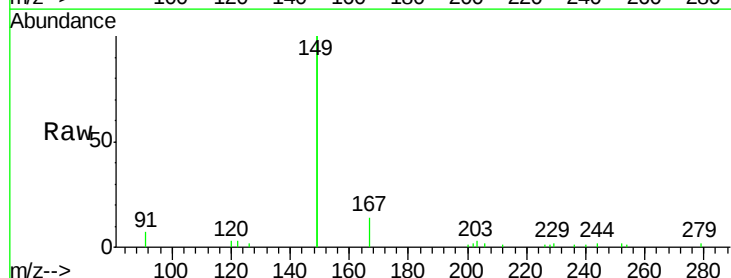
Tgt Ion:149 Resp: 24245

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

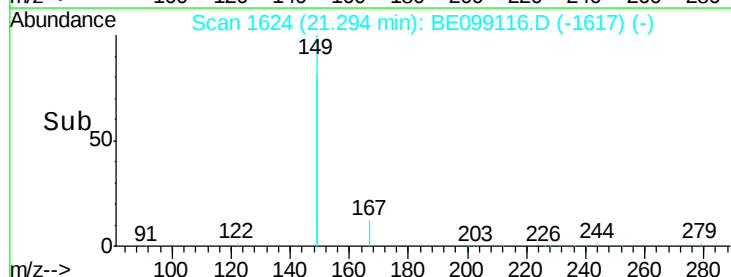
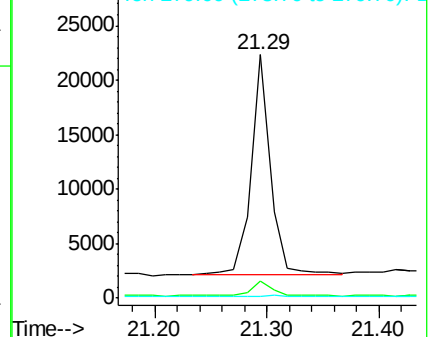
279 1.0 1.0 1.4

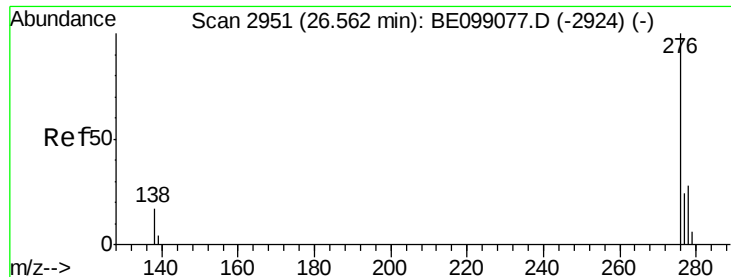


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.045 ng

RT: 26.54 min Scan# 2946

Delta R.T. -0.02 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

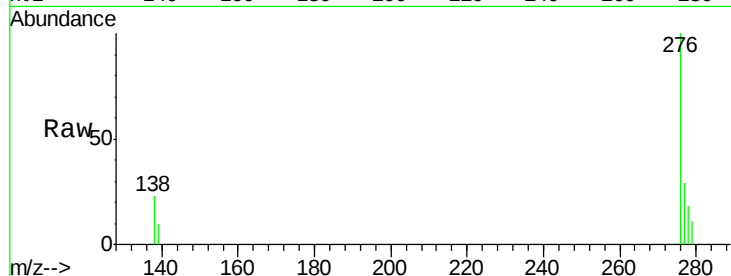
Tgt Ion:276 Resp: 6621

Ion Ratio Lower Upper

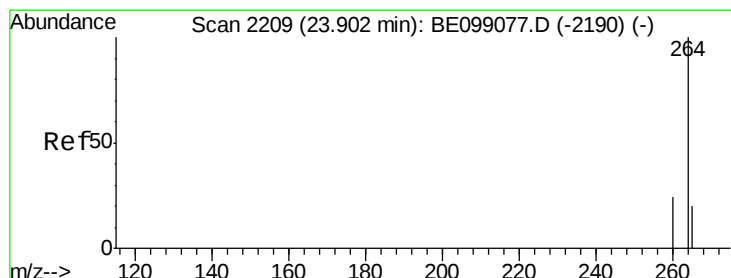
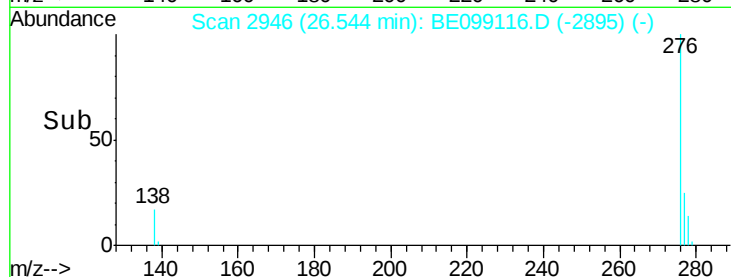
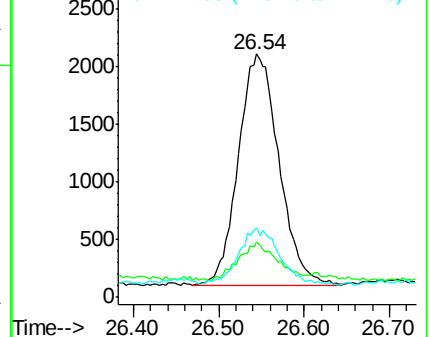
276 100

138 15.7 13.8 20.8

277 25.8 19.5 29.3



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

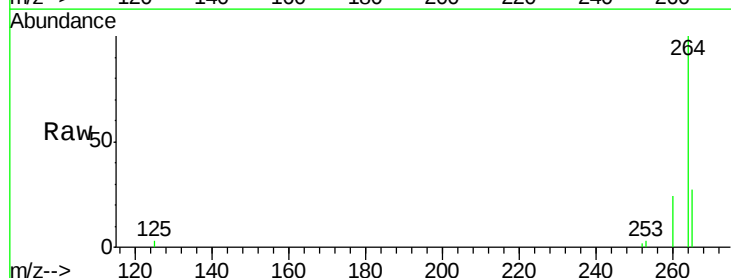
Tgt Ion:264 Resp: 41998

Ion Ratio Lower Upper

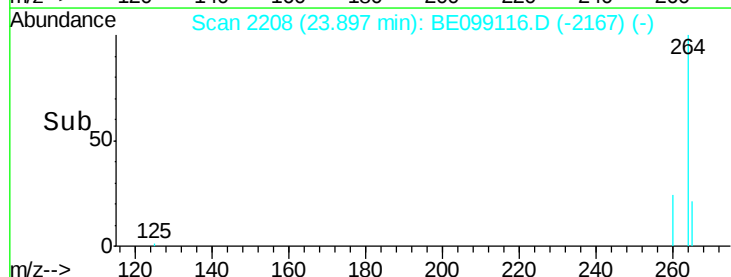
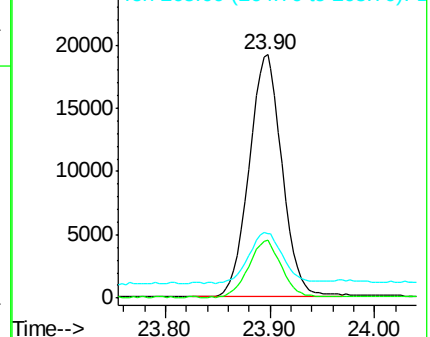
264 100

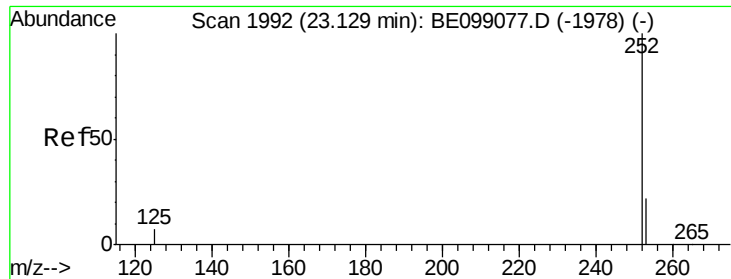
260 23.8 21.2 31.8

265 26.7 24.6 36.8



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





#35

Benzo(b)fluoranthene

Concen: 0.093 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

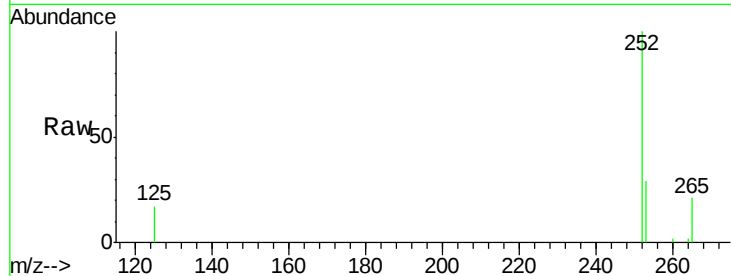
Tgt Ion:252 Resp: 13493

Ion Ratio Lower Upper

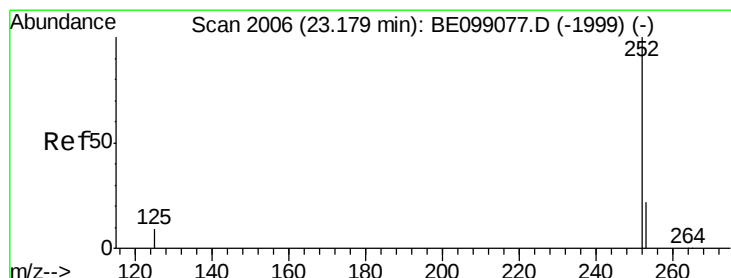
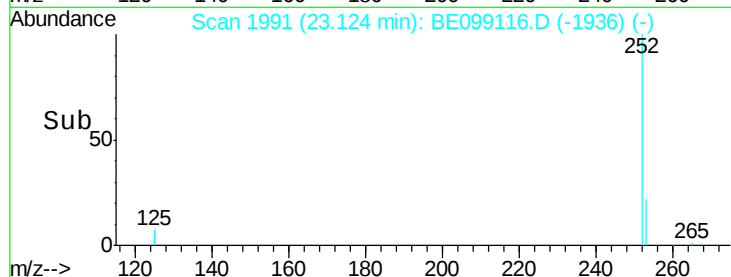
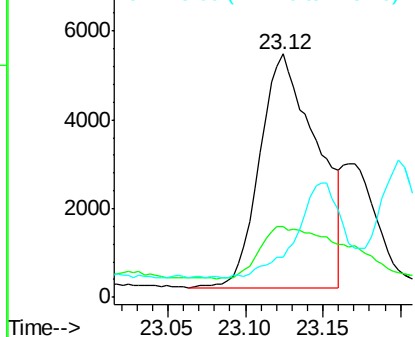
252 100

253 29.2 18.2 27.2#

125 16.7 7.3 10.9#



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



#36

Benzo(k)fluoranthene

Concen: 0.095 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

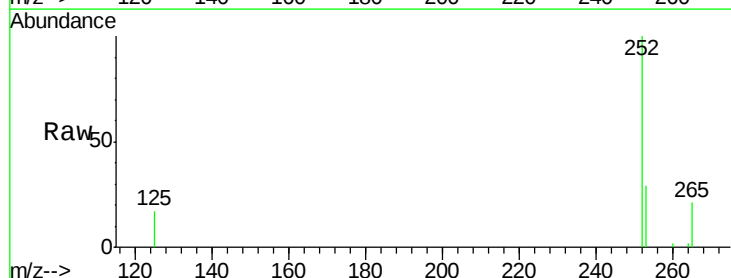
Tgt Ion:252 Resp: 13493

Ion Ratio Lower Upper

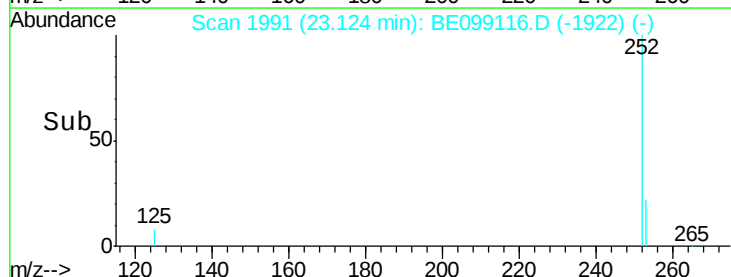
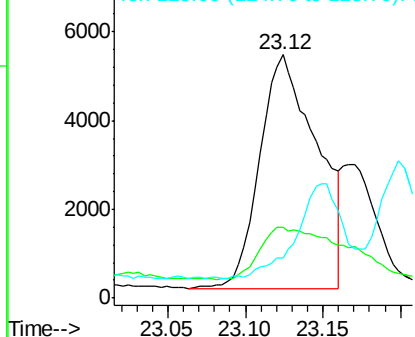
252 100

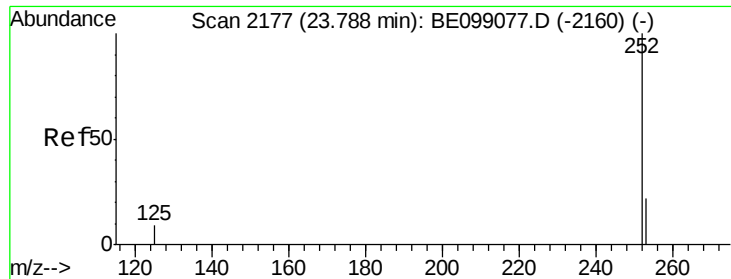
253 29.2 19.3 28.9#

125 16.7 7.5 11.3#



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





#37

Benzo(a)pyrene

Concen: 0.073 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

Instrument :

BNA_E

ClientSampleId :

PST-026-B121-031919

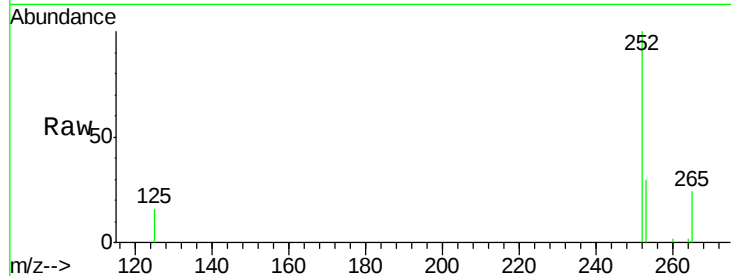
Tgt Ion:252 Resp: 9814

Ion Ratio Lower Upper

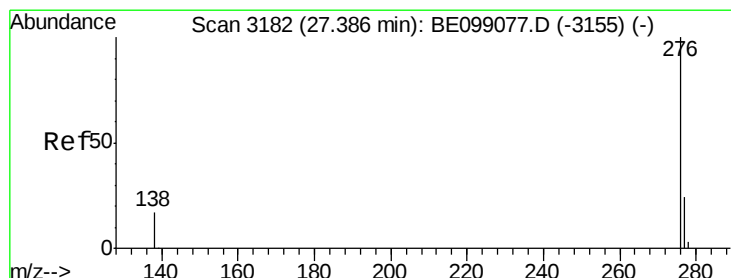
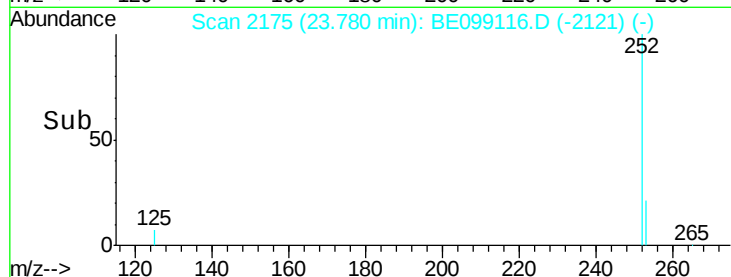
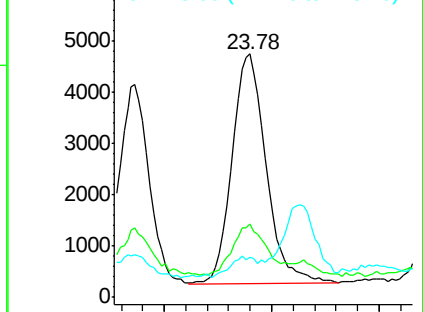
252 100

253 30.1 19.9 29.9#

125 16.4 9.0 13.4#



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



#39

Benzo(g,h,i)perylene

Concen: 0.056 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099116.D

Acq: 23 Mar 2019 17:39

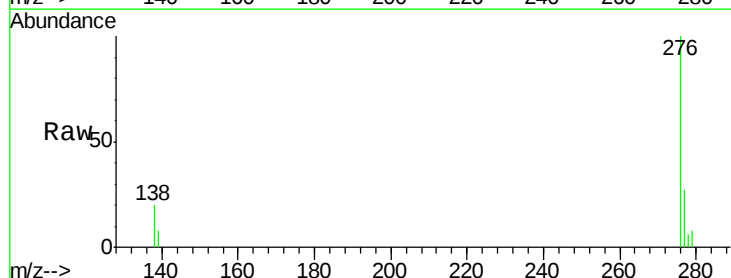
Tgt Ion:276 Resp: 7451

Ion Ratio Lower Upper

276 100

277 26.6 20.4 30.6

138 19.8 13.6 20.4



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

