

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020620\
 Data File : BG044328.D
 Acq On : 6 Feb 2020 18:34
 Operator : CG/JU
 Sample : L1408-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-PATH-BH-01-B

Quant Time: Feb 06 21:48:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	88705	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	374134	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	253450	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	541528	20.00	ng	0.00
76) Chrysene-d12	21.54	240	472369	20.00	ng	0.00
87) Perylene-d12	24.63	264	533056	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	629509	125.24	ng	0.00
7) Phenol-d6	7.08	99	846174	125.37	ng	0.00
23) Nitrobenzene-d5	9.07	82	514472	77.63	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	350208	117.70	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1211271	80.03	ng	0.00
79) Terphenyl-d14	19.91	244	1646816	71.71	ng	0.00

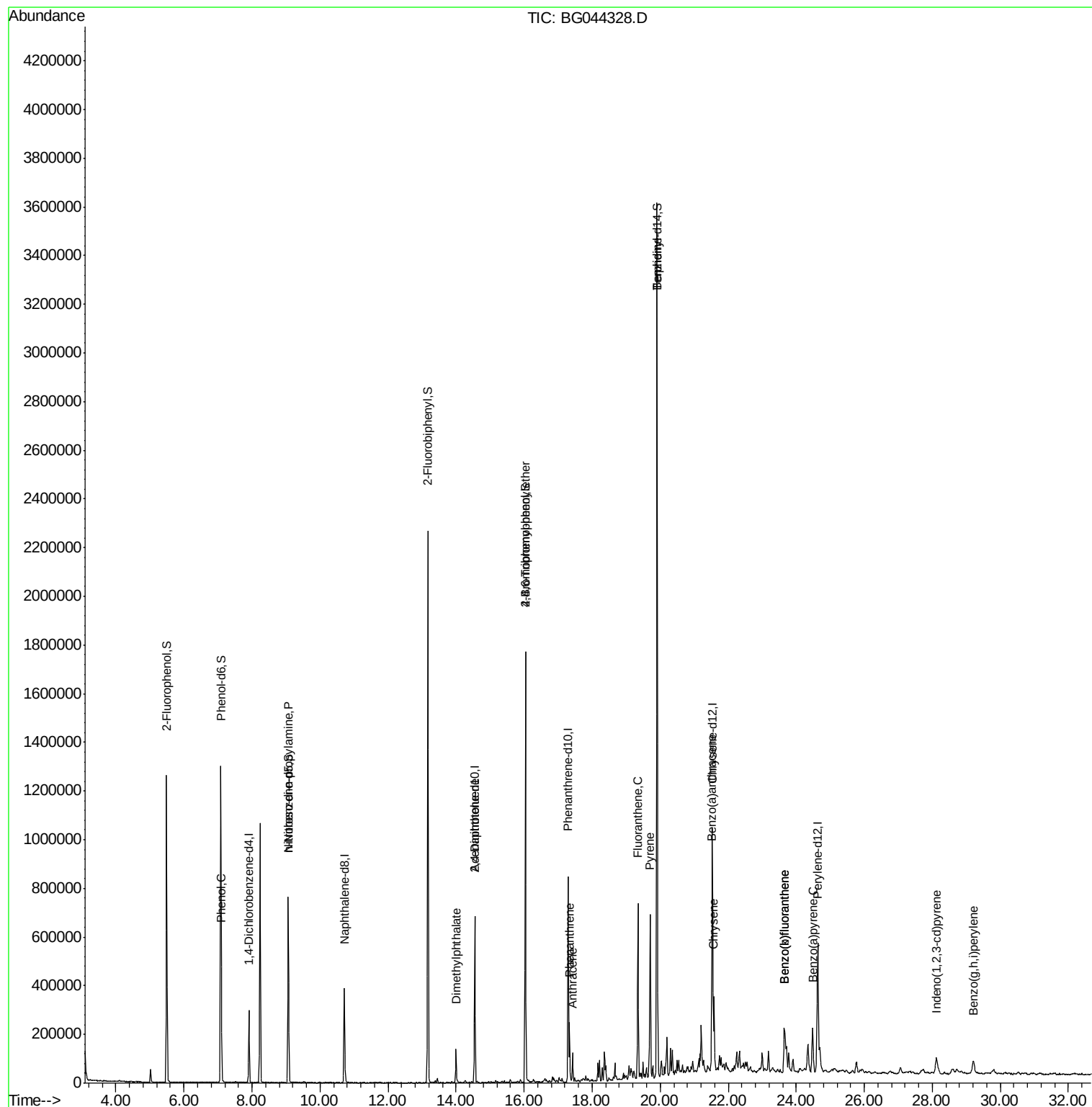
Target Compounds				Qvalue		
10) Phenol	7.11	94	14680	2.198	ng	# 68
19) n-Nitroso-di-n-propylamine	9.07	70	65636	14.592	ng	# 77
50) Dimethylphthalate	14.00	163	104776	5.751	ng	98
57) 2,4-Dinitrotoluene	14.55	165	33263	5.842	ng	# 27
67) 4-Bromophenyl-phenylether	16.04	248	23758	4.027	ng	# 1
71) Phenanthrene	17.34	178	154149	5.878	ng	97
72) Anthracene	17.42	178	71596	2.762	ng	94
75) Fluoranthene	19.35	202	432587	14.260	ng	96
77) Benzidine	19.91	184	26967	2.058	ng	# 87
78) Pyrene	19.70	202	424520	13.994	ng	96
81) Benzo(a)anthracene	21.52	228	252196	8.663	ng	98
83) Chrysene	21.58	228	206138	7.325	ng	96
86) Indeno(1,2,3-cd)pyrene	28.12	276	100148	2.728	ng	95
88) Benzo(b)fluoranthene	23.66	252	237836	7.743	ng	98
89) Benzo(k)fluoranthene	23.66	252	237836	7.944	ng	98
90) Benzo(a)pyrene	24.49	252	186199	6.411	ng	99
92) Benzo(a,h,i)perylene	29.20	276	94528	3.285	ng	99

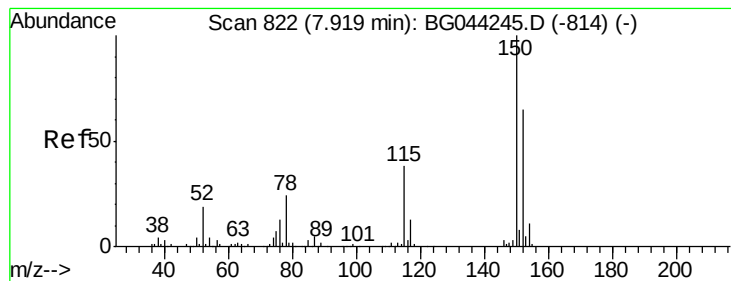
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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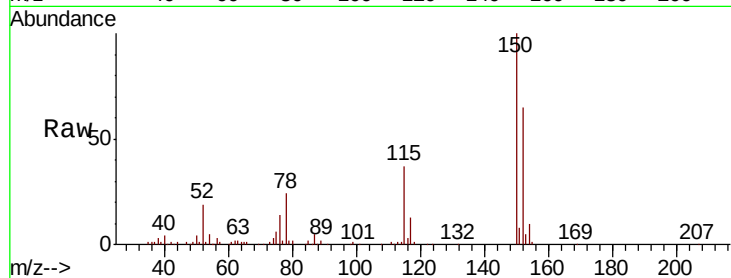


#1

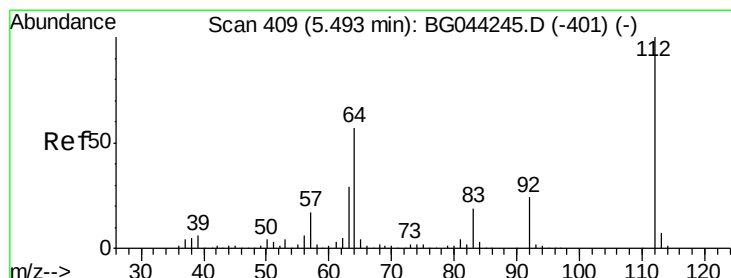
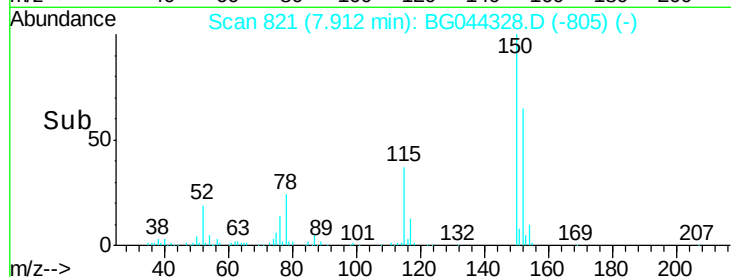
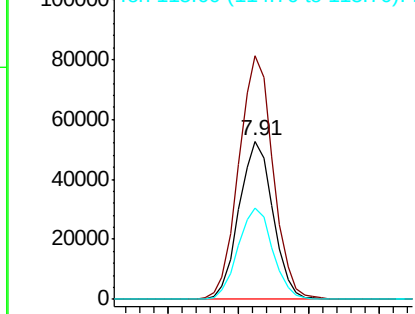
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Instrument :
BNA_G
ClientSampleId :
SHORE-RD-PATH-BH-01-B

Tot Ion:152 Resp: 88705
Ion Ratio Lower Upper
152 100
150 153.9 122.6 183.8
115 57.4 46.0 69.0



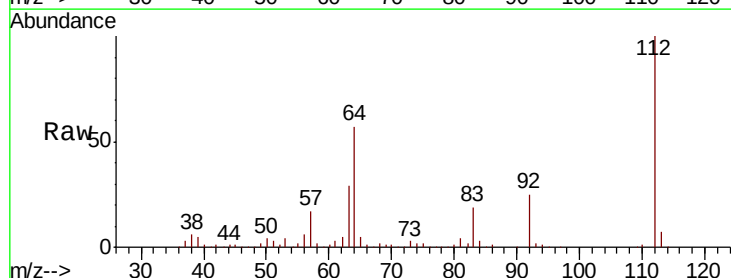
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



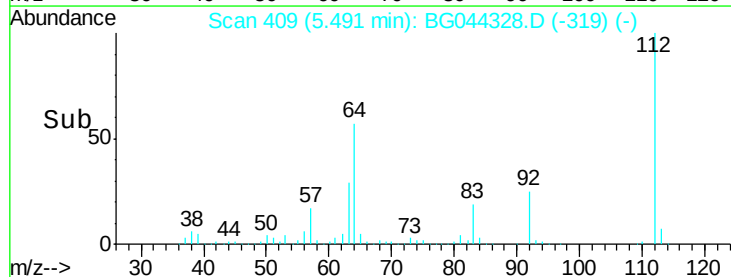
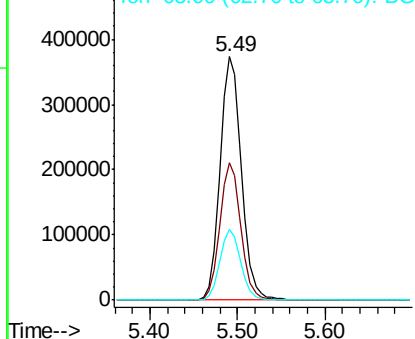
#5

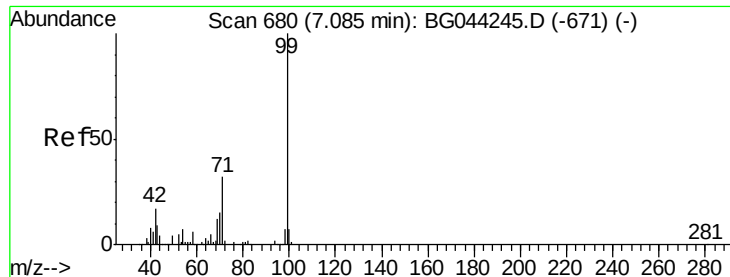
2-Fluorophenol
Concen: 125.245 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Tgt Ion:112 Resp: 629509
Ion Ratio Lower Upper
112 100
64 56.6 45.4 68.2
63 29.3 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 125.369 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-PATH-BH-01-B

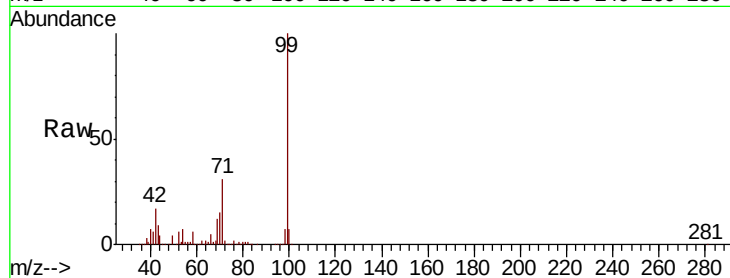
Tot Ion: 99 Resp: 846174

Ion Ratio Lower Upper

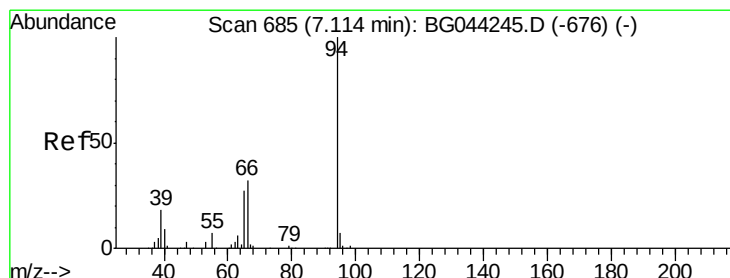
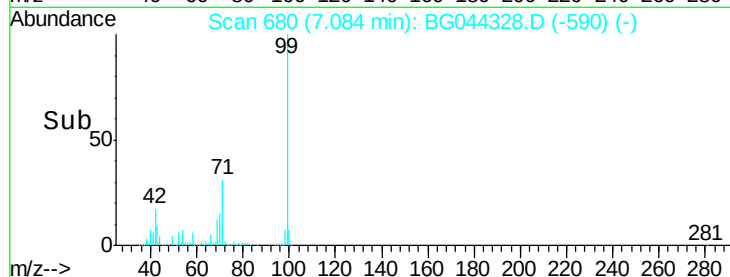
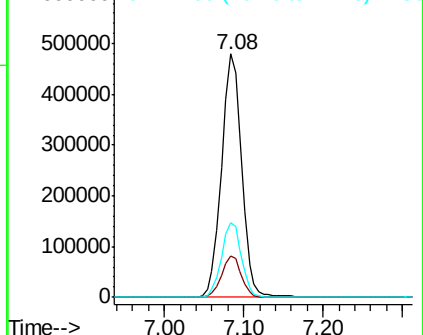
99 100

42 16.9 13.8 20.6

71 30.7 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 2.198 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.01 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

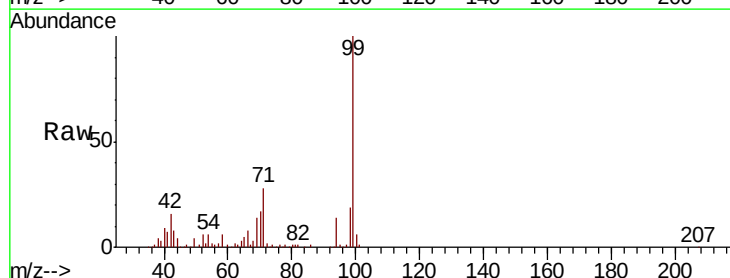
Tgt Ion: 94 Resp: 14680

Ion Ratio Lower Upper

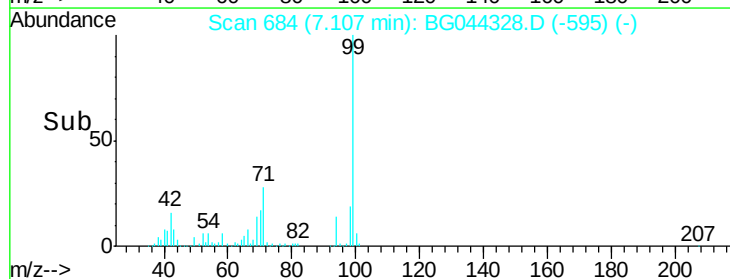
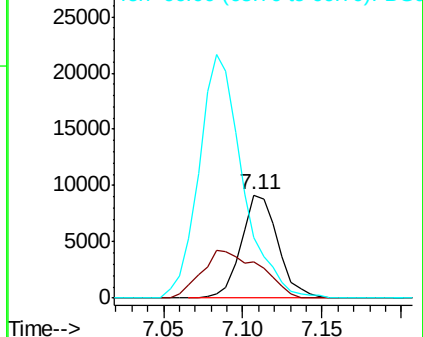
94 100

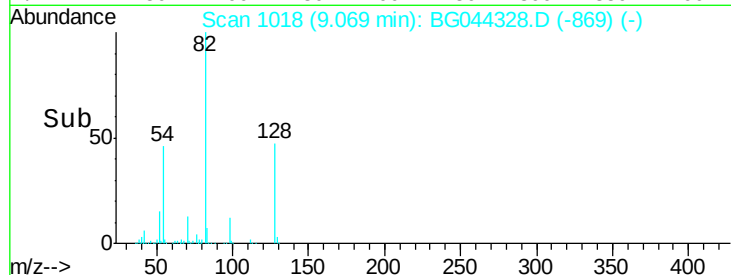
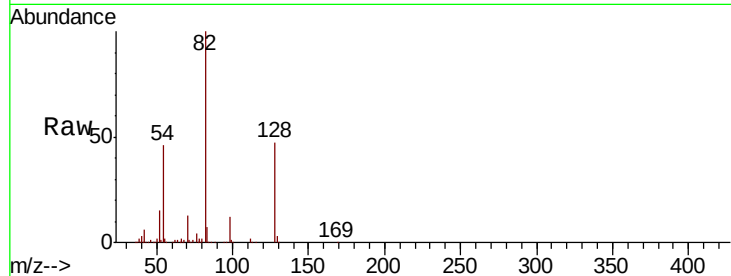
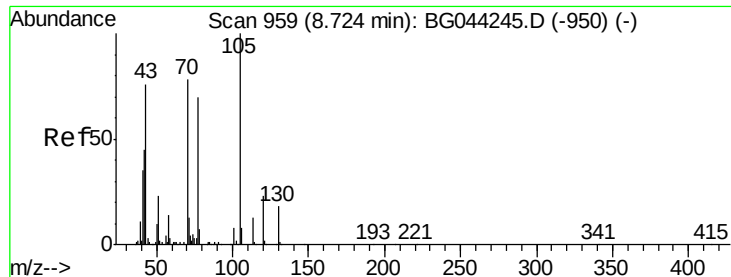
65 34.7 7.0 47.0

66 58.4 12.7 52.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

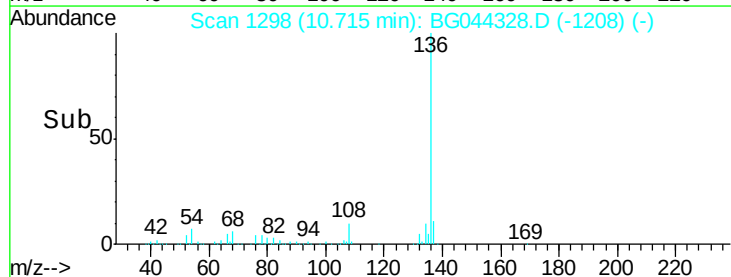
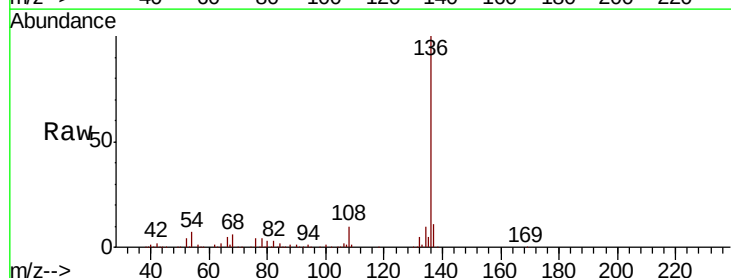
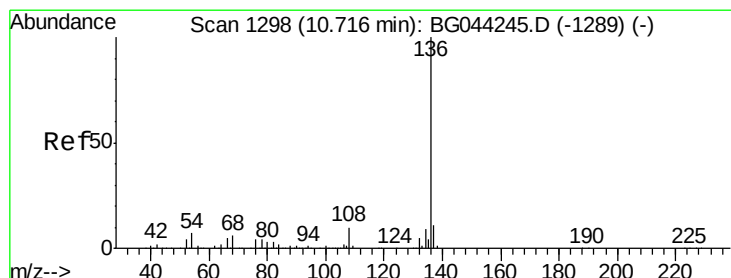
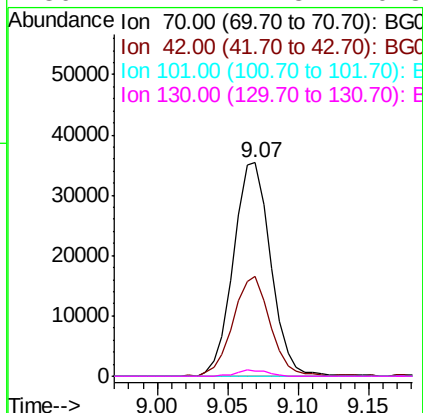




#19
n-Nitroso-di-n-propylamine
Concen: 14.592 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

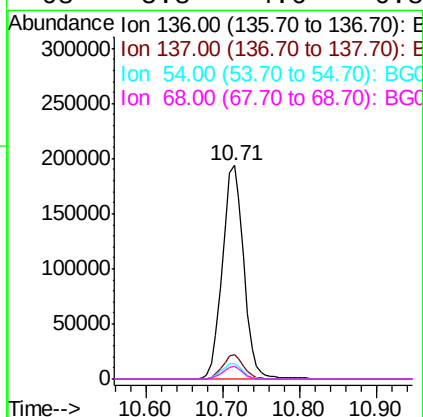
Instrument :
BNA_G
ClientSampleId :
SHORE-RD-PATH-BH-01-B

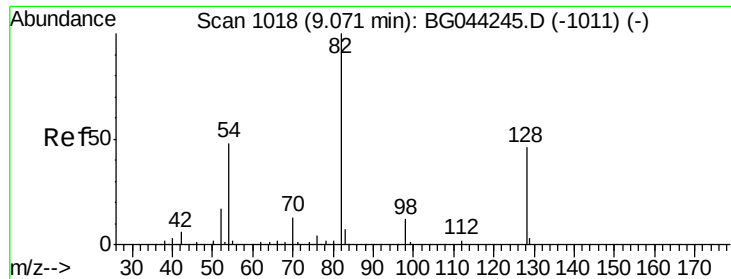
Tot Ion: 70 Resp: 65636
Ion Ratio Lower Upper
70 100
42 46.8 46.2 69.2
101 0.0 8.4 12.6#
130 2.2 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Tgt Ion:136 Resp: 374134
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.1 5.8 8.8
68 5.8 4.6 6.8

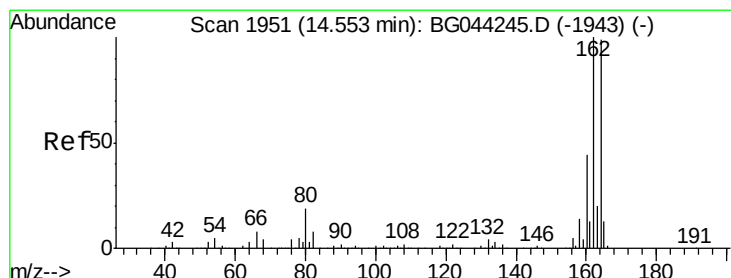
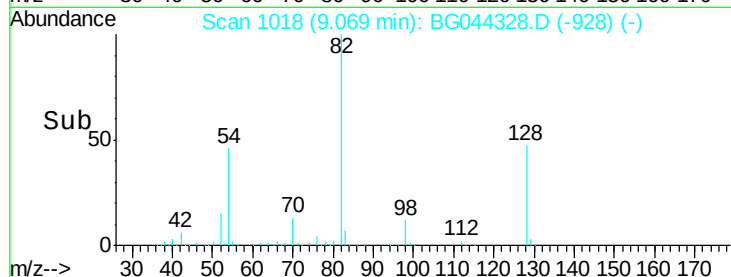
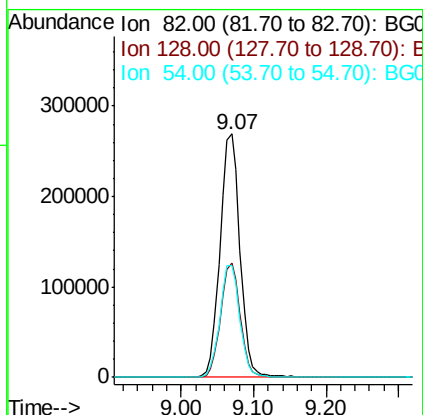
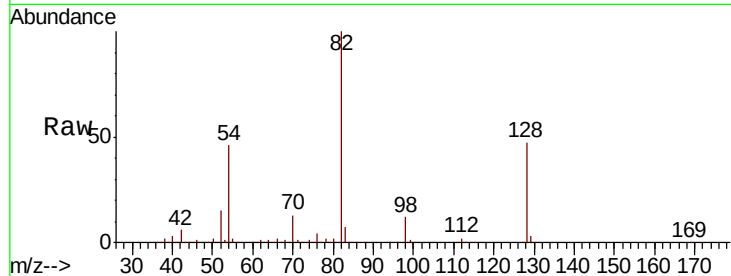




#23
Nitrobenzene-d5
Concen: 77.633 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

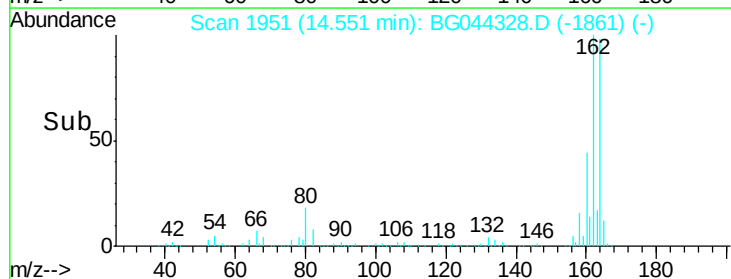
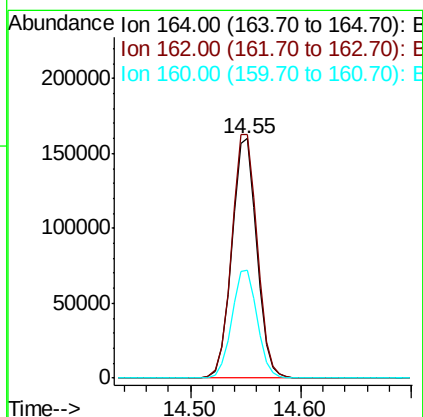
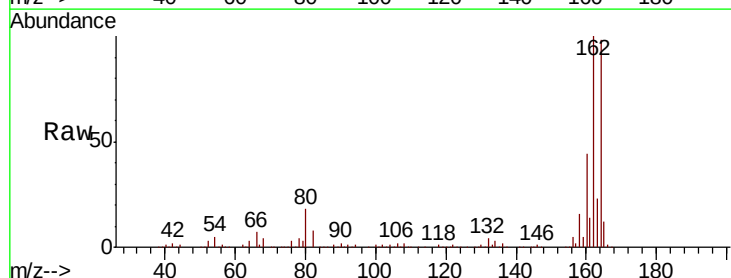
Instrument :
BNA_G
ClientSampleId :
SHORE-RD-PATH-BH-01-B

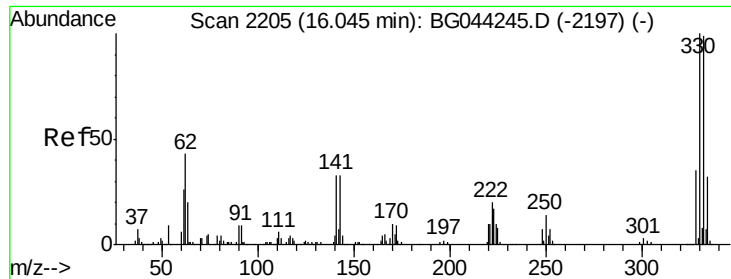
Tot Ion	82	Resp	514472
Ion Ratio	Lower	Upper	
82	100		
128	47.1	36.5	54.7
54	46.0	38.6	58.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Tgt Ion	164	Resp	253450
Ion Ratio	Lower	Upper	
164	100		
162	101.6	80.7	121.1
160	45.0	35.3	52.9

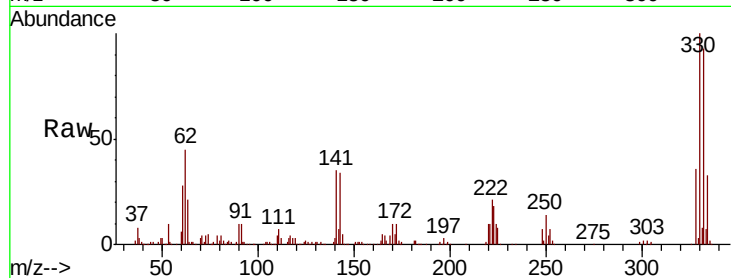




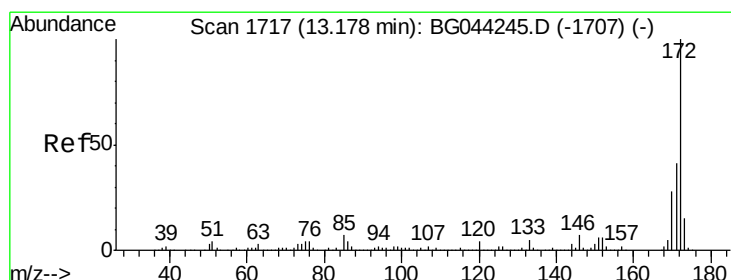
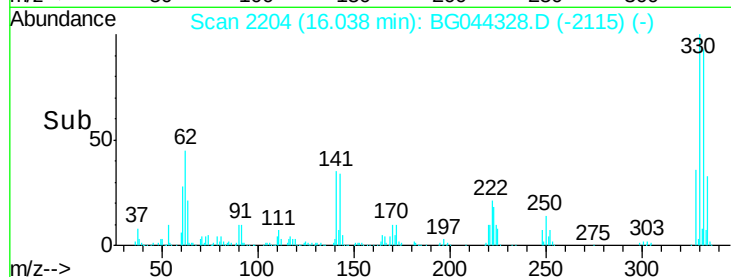
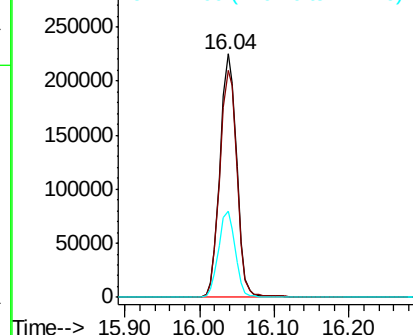
#42
 2,4,6-Tribromophenol
 Concen: 117.703 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BG044328.D
 Acq: 6 Feb 2020 18:34

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-PATH-BH-01-B

Tot Ion:330 Resp: 350208
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.2 115.8
 141 35.5 28.3 42.5

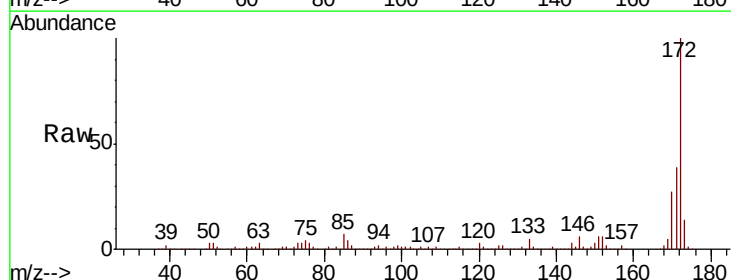


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

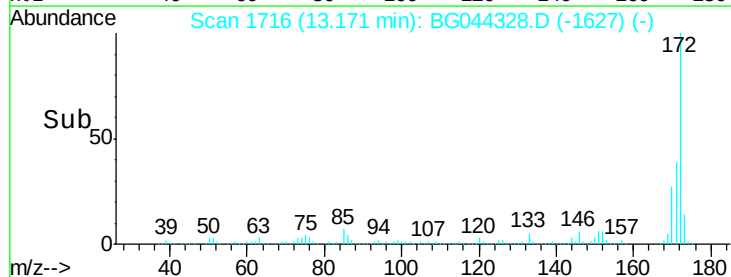
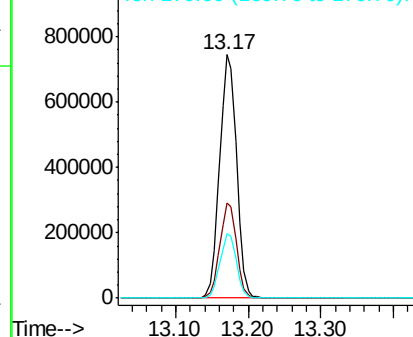


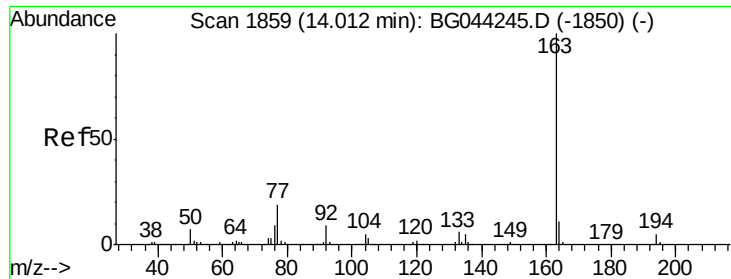
#45
 2-Fluorobiphenyl
 Concen: 80.029 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG044328.D
 Acq: 6 Feb 2020 18:34

Tgt Ion:172 Resp: 1211271
 Ion Ratio Lower Upper
 172 100
 171 39.3 32.9 49.3
 170 26.6 22.0 33.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.751 ng

RT: 14.00 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-PATH-BH-01-B

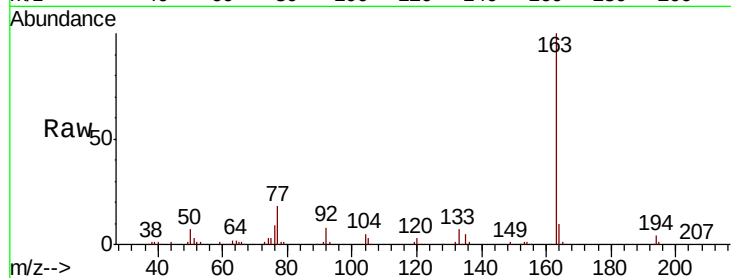
Tot Ion:163 Resp: 104776

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

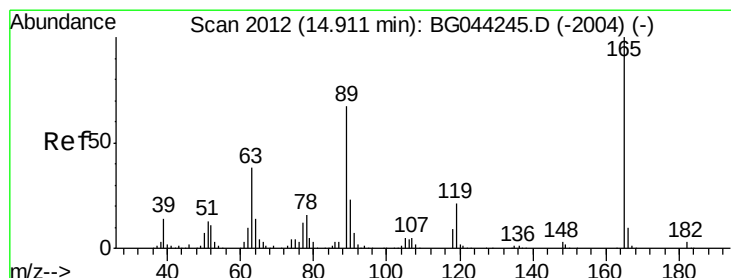
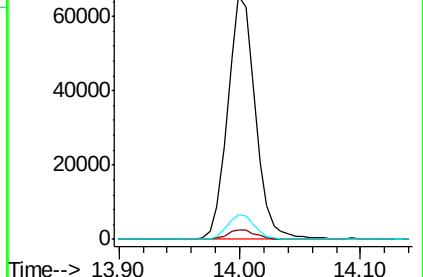
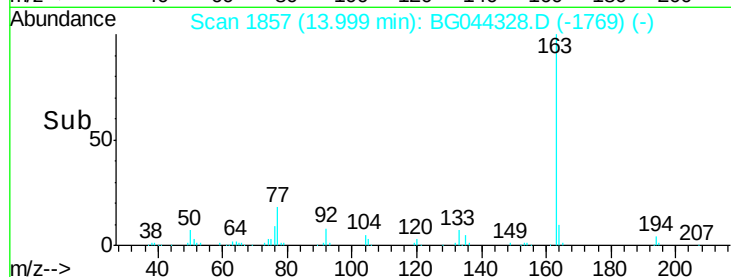
164 10.0 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 5.842 ng

RT: 14.55 min Scan# 1950

Delta R.T. -0.37 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

Tgt Ion:165 Resp: 33263

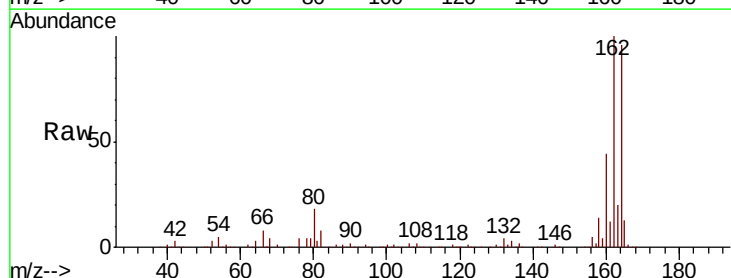
Ion Ratio Lower Upper

165 100

63 1.3 30.3 45.5#

89 1.3 53.4 80.2#

182 0.0 2.1 3.1#

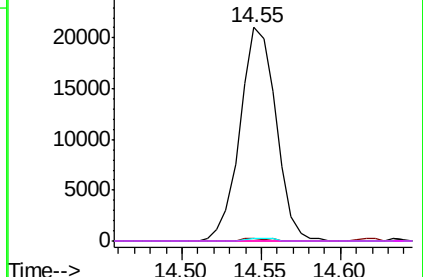
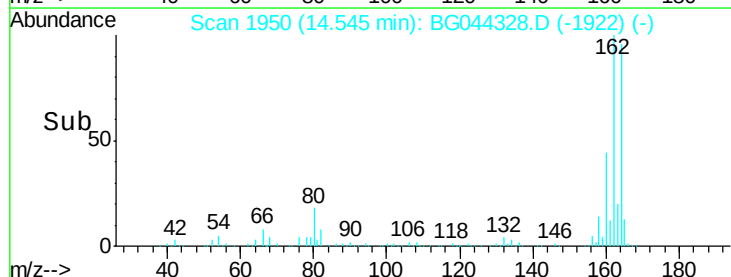


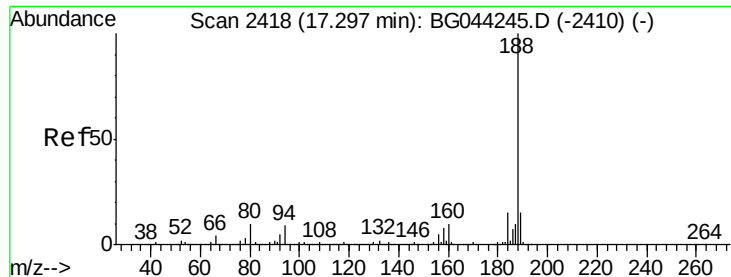
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

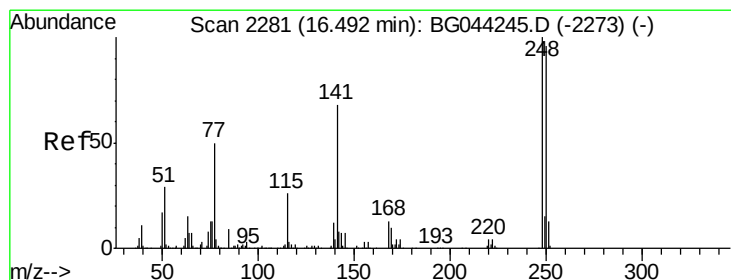
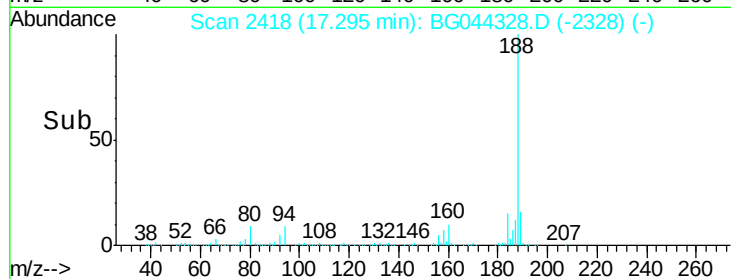
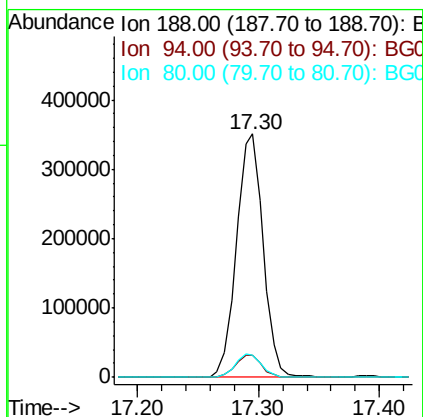
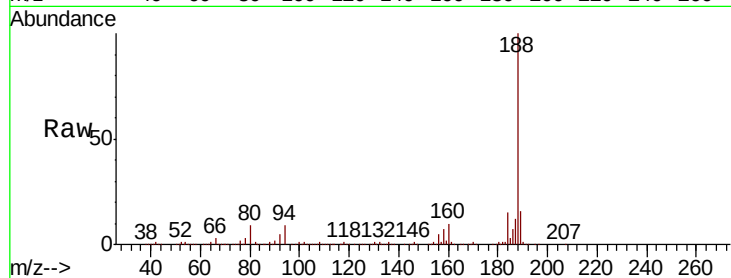




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

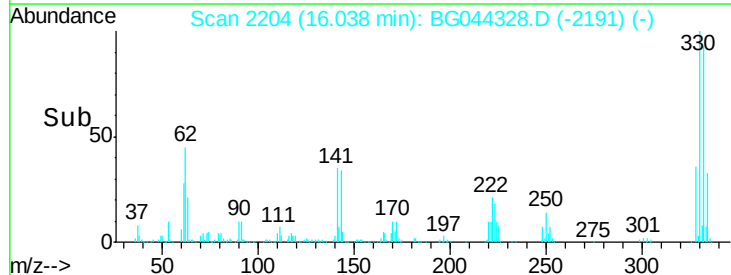
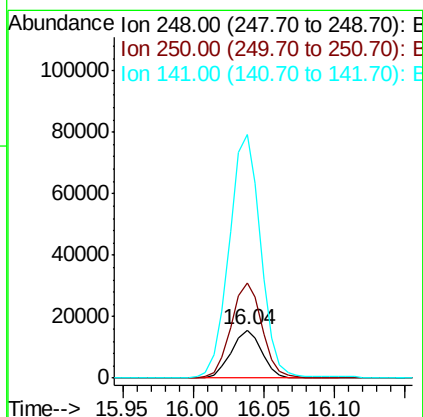
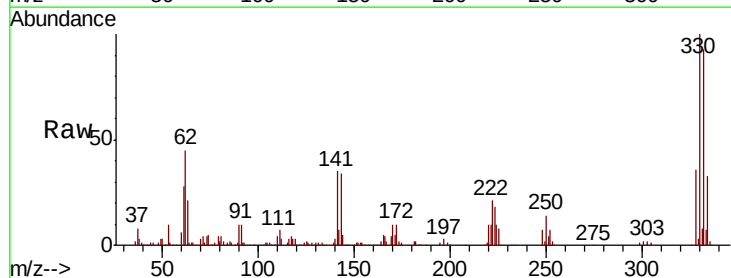
Instrument :
BNA_G
ClientSampleId :
SHORE-RD-PATH-BH-01-B

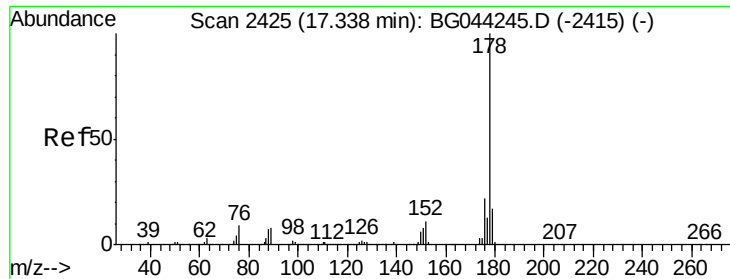
Tot Ion:188 Resp: 541528
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.3 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 4.027 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.45 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Tgt Ion:248 Resp: 23758
Ion Ratio Lower Upper
248 100
250 196.9 76.6 114.8#
141 504.0 54.7 82.1#

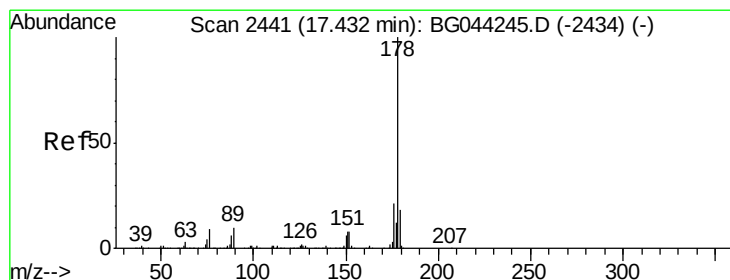
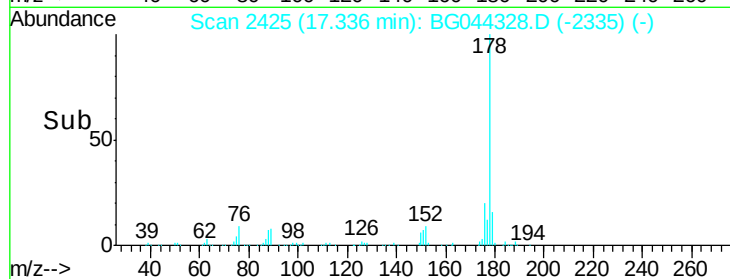
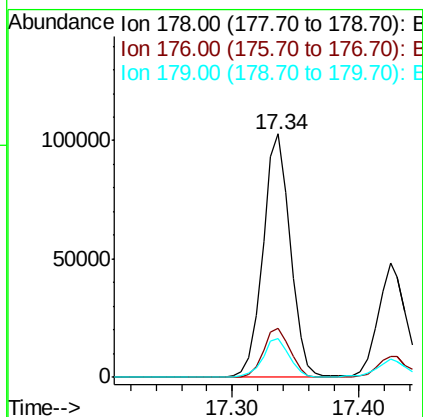
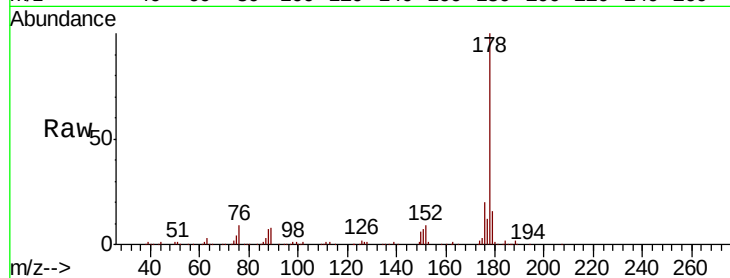




#71
Phenanthrene
Concen: 5.878 ng
RT: 17.34 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

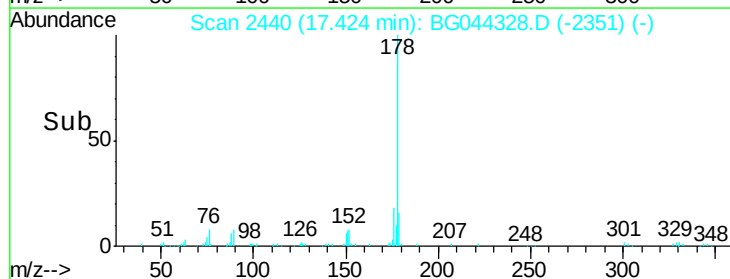
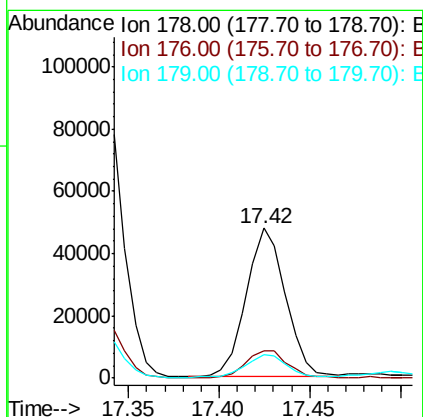
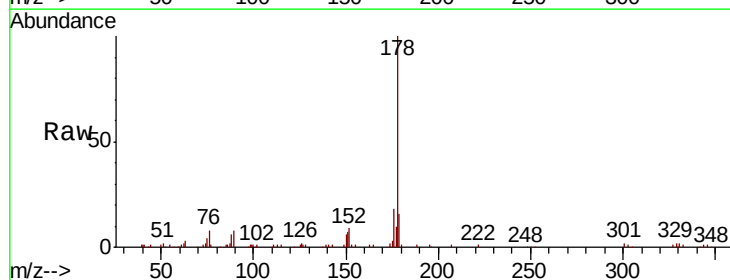
Instrument :
BNA_G
ClientSampleId :
SHORE-RD-PATH-BH-01-B

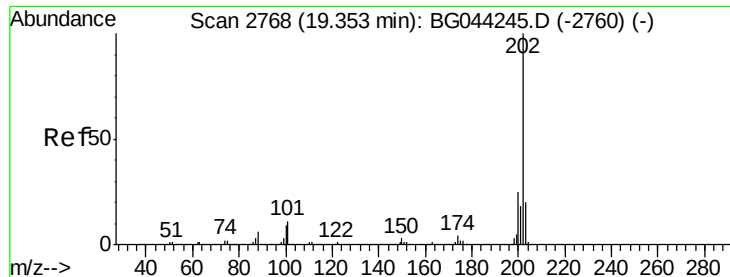
Tot Ion:178 Resp: 154149
Ion Ratio Lower Upper
178 100
176 19.9 17.7 26.5
179 16.2 13.7 20.5



#72
Anthracene
Concen: 2.762 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Tgt Ion:178 Resp: 71596
Ion Ratio Lower Upper
178 100
176 18.2 17.0 25.4
179 15.6 14.4 21.6





#75

Fluoranthene

Concen: 14.260 ng

RT: 19.35 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-PATH-BH-01-B

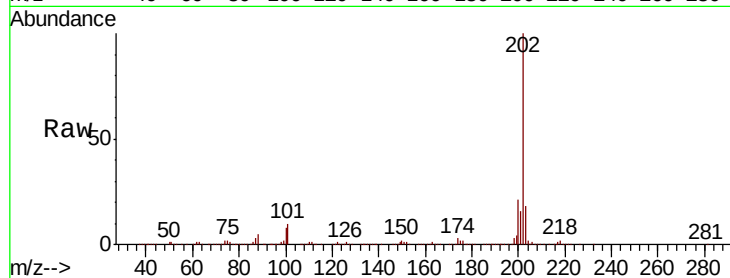
Tot Ion:202 Resp: 432587

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.3

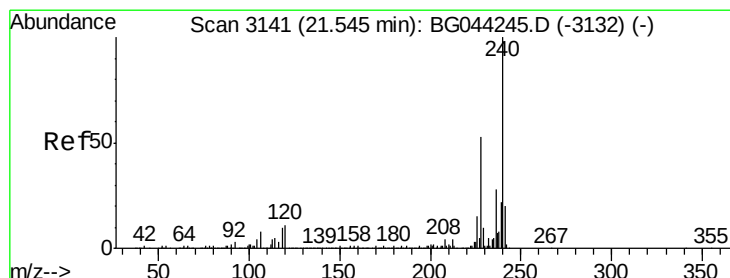
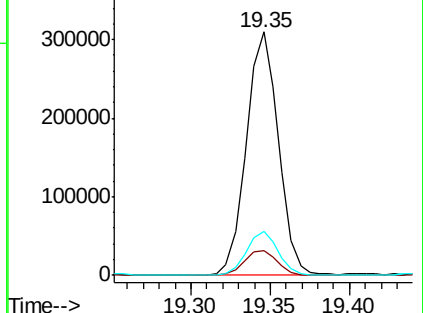
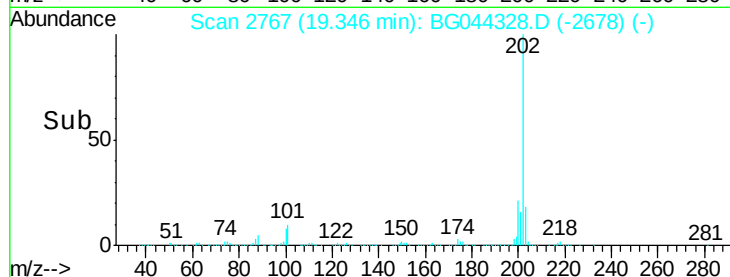
203 18.2 0.0 39.9



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: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

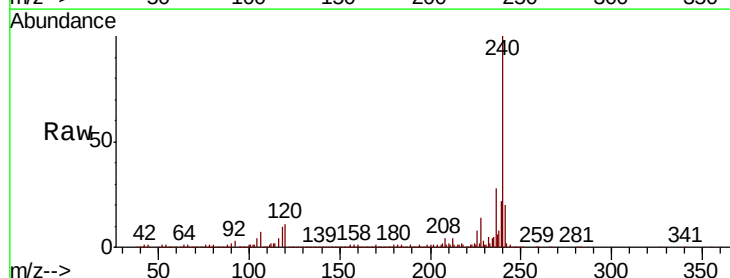
Tgt Ion:240 Resp: 472369

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

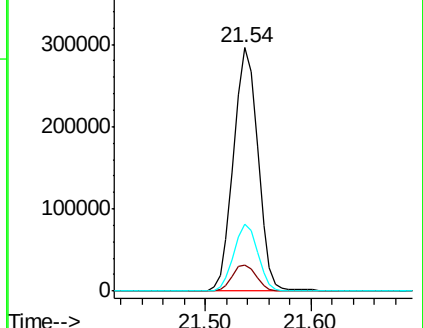
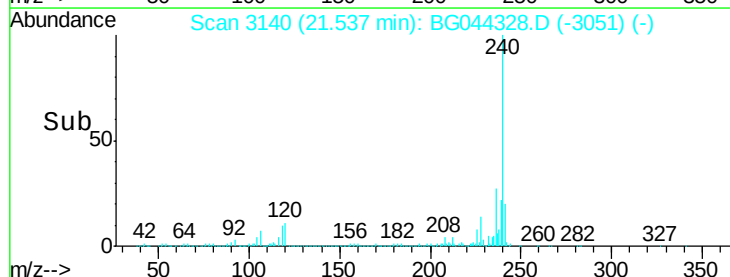
236 27.6 22.1 33.1

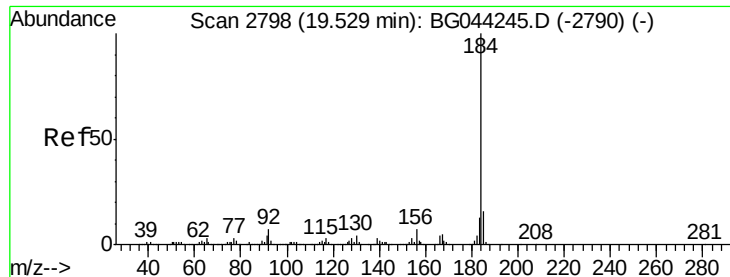


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.058 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-PATH-BH-01-B

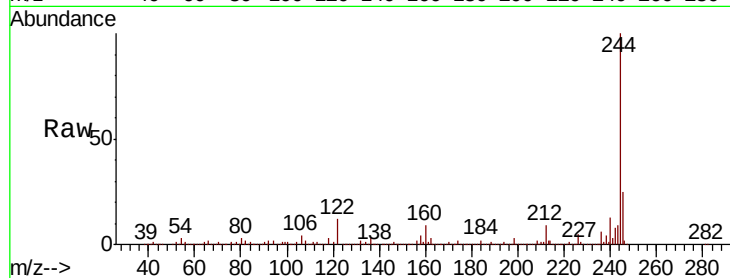
Tot Ion:184 Resp: 26967

Ion Ratio Lower Upper

184 100

185 13.7 12.9 19.3

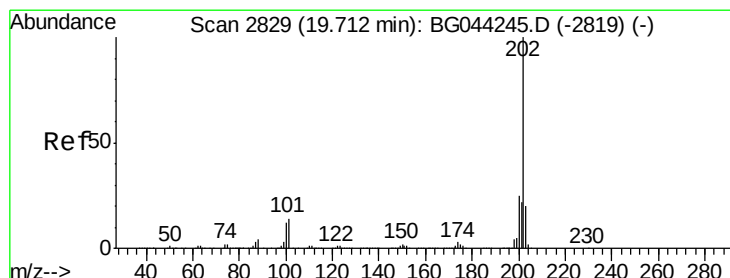
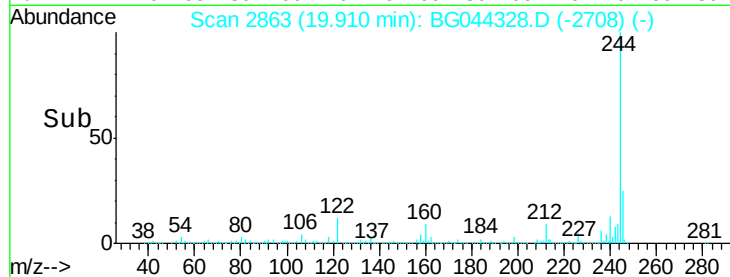
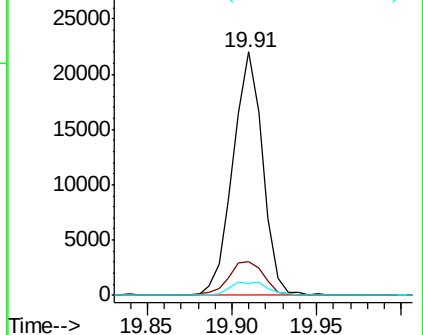
183 5.1 10.8 16.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 13.994 ng

RT: 19.70 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

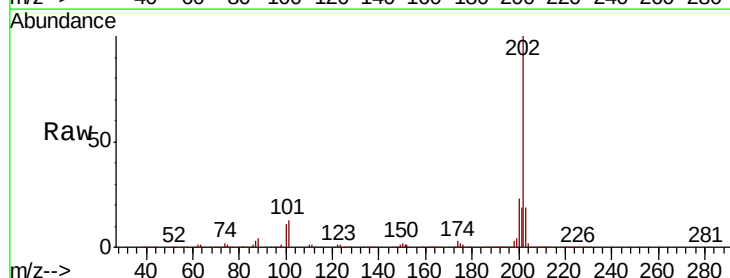
Tgt Ion:202 Resp: 424520

Ion Ratio Lower Upper

202 100

200 22.9 20.0 30.0

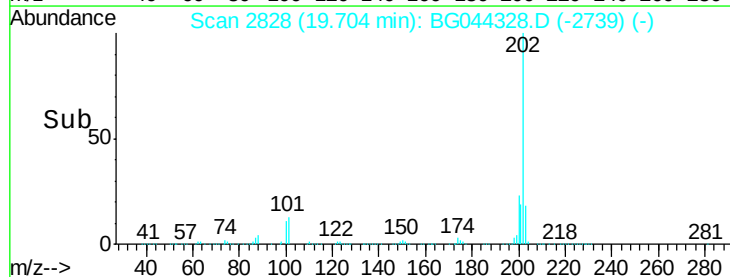
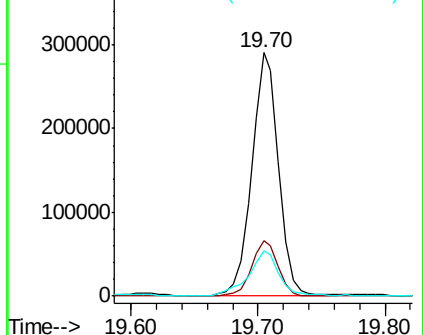
203 18.6 16.2 24.2

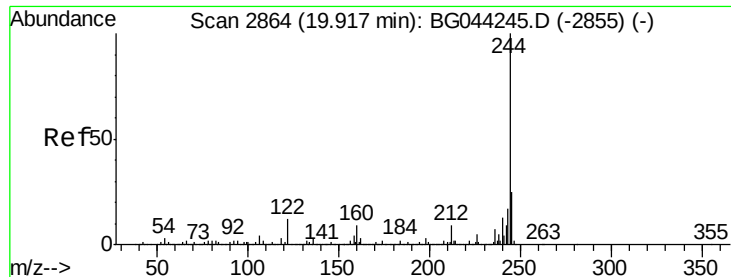


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



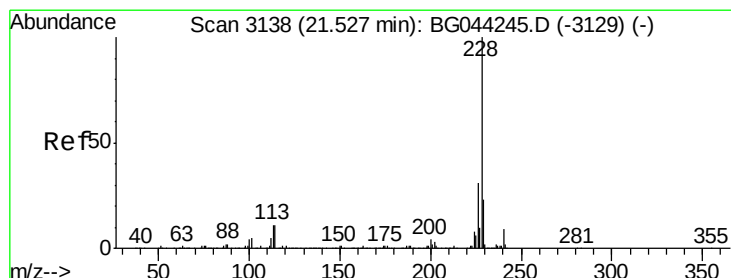
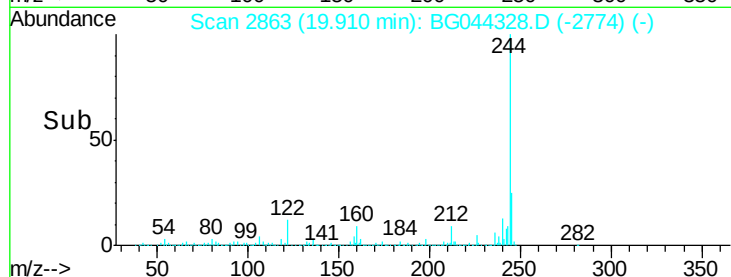
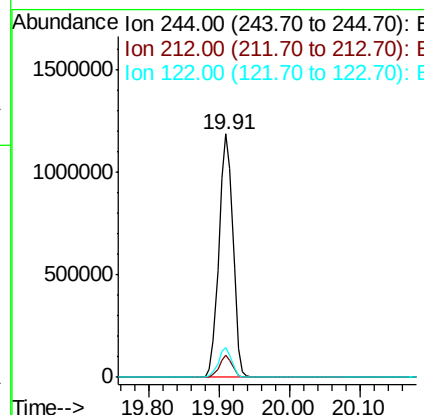
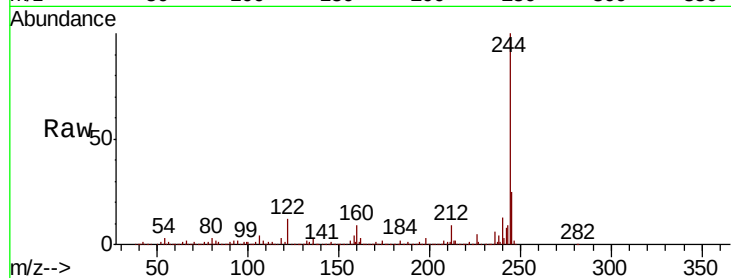


#79
 Terphenyl-d14
 Concen: 71.709 ng
 RT: 19.91 min Scan# 2863
 Delta R.T. -0.01 min
 Lab File: BG044328.D
 Acq: 6 Feb 2020 18:34

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-PATH-BH-01-B

Tot Ion:244 Resp: 1646816

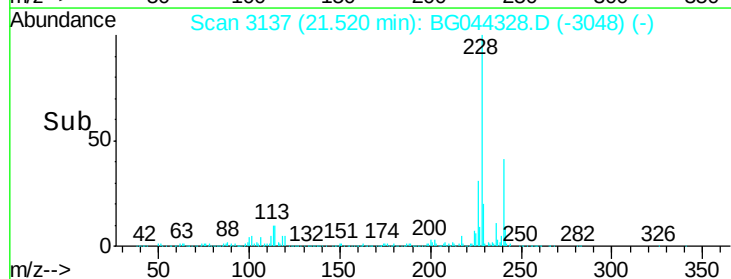
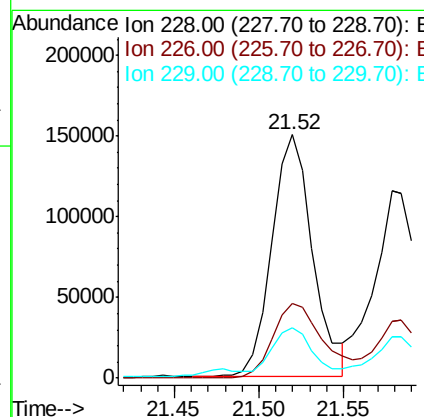
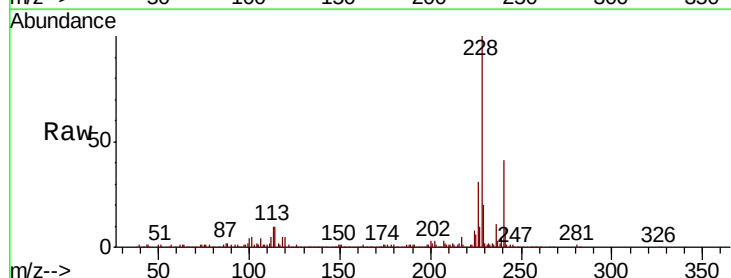
Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.4	11.2
122	12.2	9.8	14.6

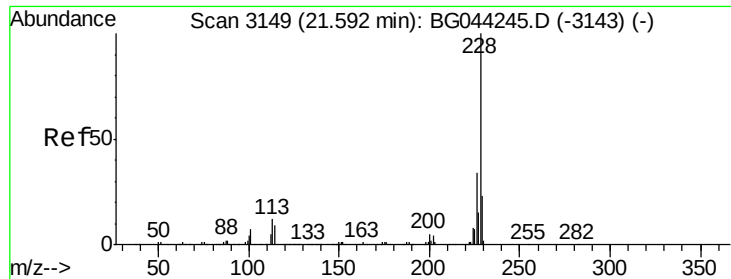


#81
 Benzo(a)anthracene
 Concen: 8.663 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.01 min
 Lab File: BG044328.D
 Acq: 6 Feb 2020 18:34

Tgt Ion:228 Resp: 252196

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	20.5	18.2	27.4

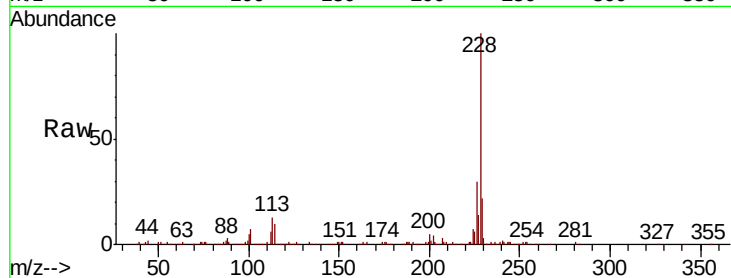




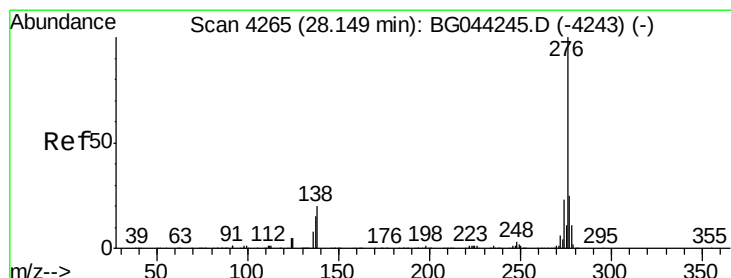
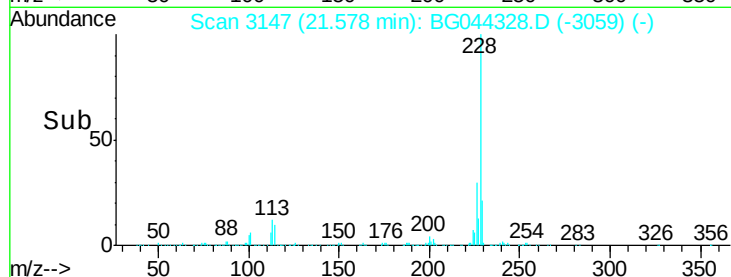
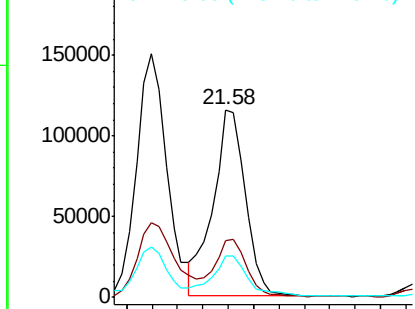
#83
Chrysene
Concen: 7.325 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Instrument :
BNA_G
ClientSampleId :
SHORE-RD-PATH-BH-01-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	27.1	40.7
229	21.9	17.9	26.9

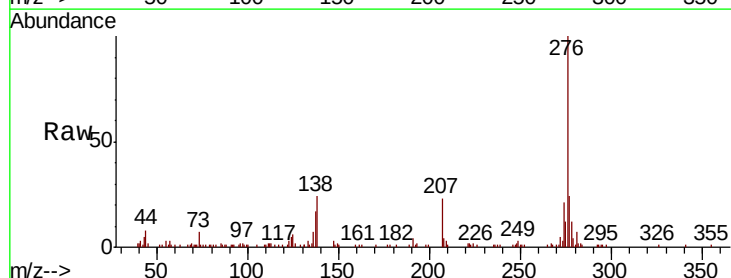


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

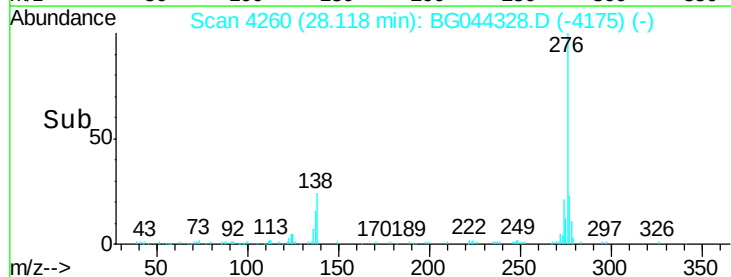
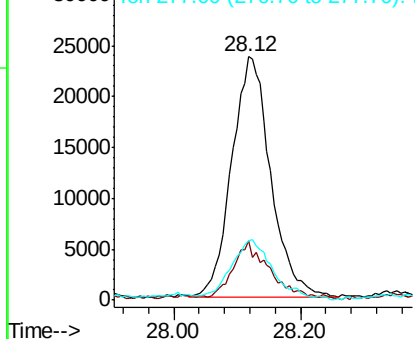


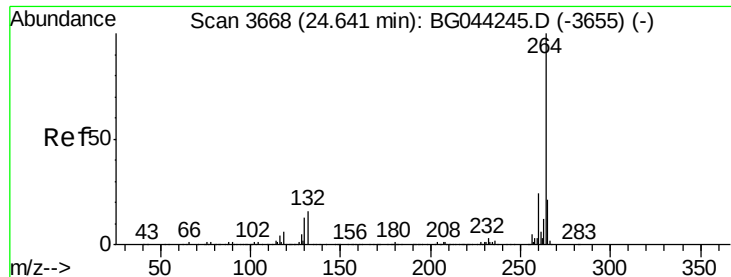
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.728 ng
RT: 28.12 min Scan# 4260
Delta R.T. -0.03 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.4	29.0
277	24.0	21.0	31.6



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: 24.63 min Scan# 3667

Delta R.T. -0.01 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-PATH-BH-01-B

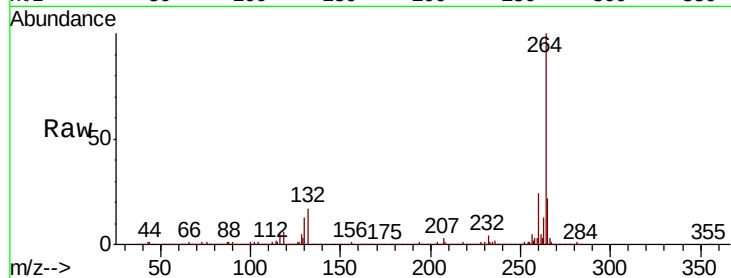
Tot Ion:264 Resp: 533056

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 22.3 16.7 25.1

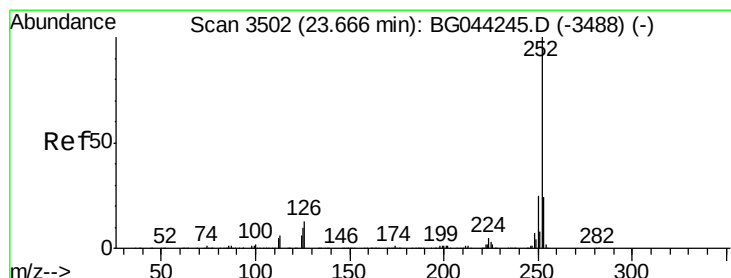
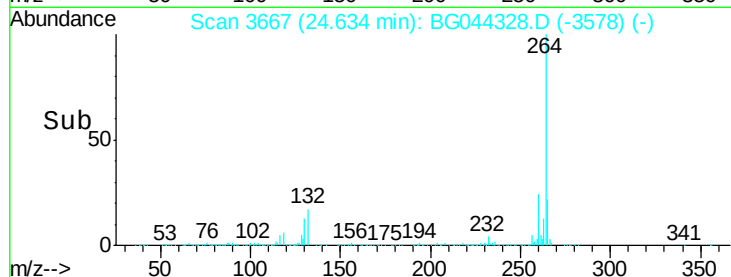
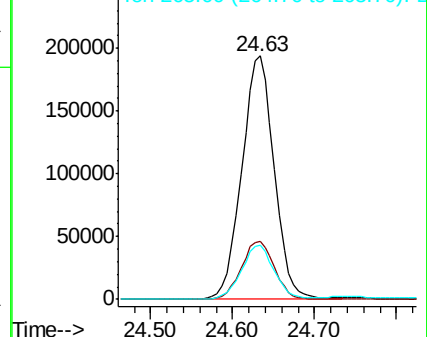


Abundance

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: 7.743 ng

RT: 23.66 min Scan# 3501

Delta R.T. -0.01 min

Lab File: BG044328.D

Acq: 6 Feb 2020 18:34

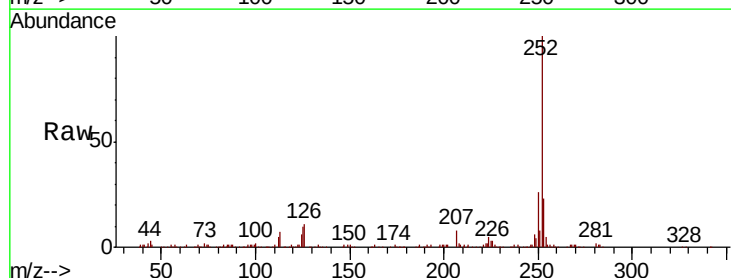
Tgt Ion:252 Resp: 237836

Ion Ratio Lower Upper

252 100

253 22.8 19.2 28.8

125 10.1 8.4 12.6

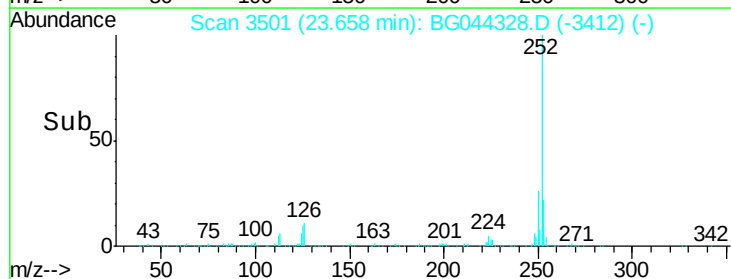
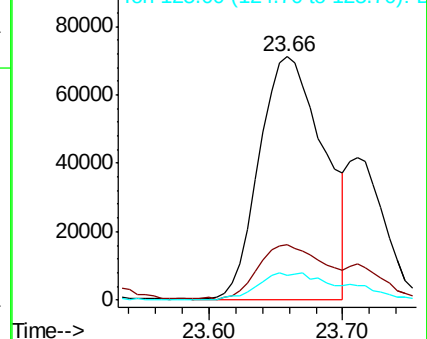


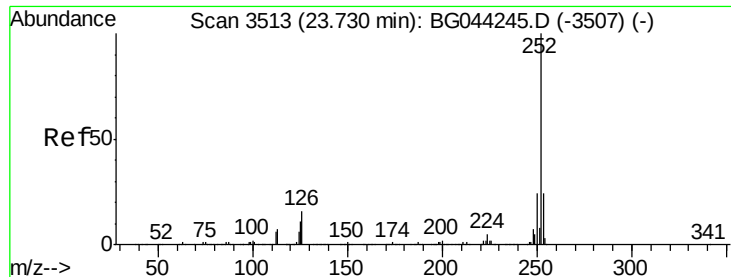
Abundance

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

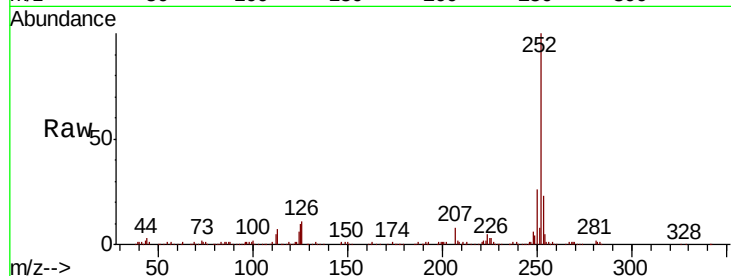




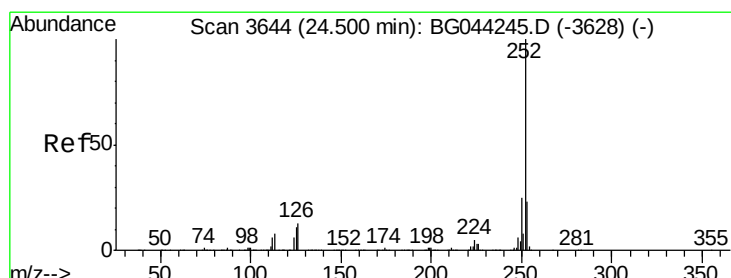
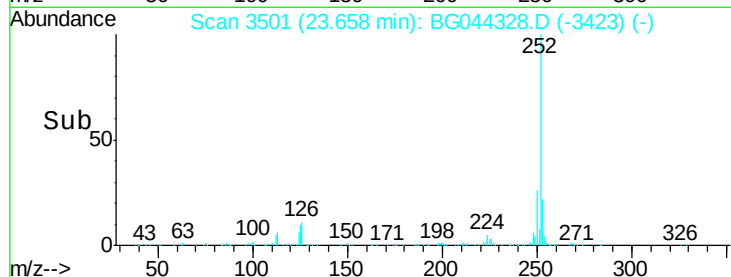
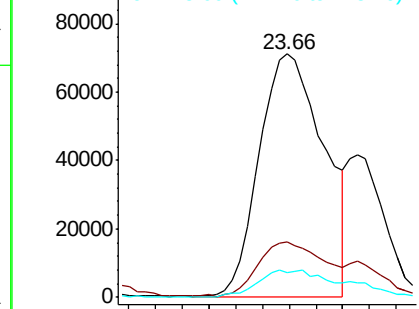
#89
Benzo(k)fluoranthene
Concen: 7.944 ng
RT: 23.66 min Scan# 3501
Delta R.T. -0.07 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Instrument :
BNA_G
ClientSampleId :
SHORE-RD-PATH-BH-01-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.1	28.7
125	10.1	8.6	12.8

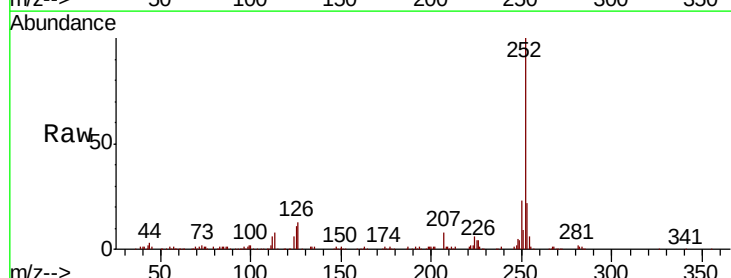


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

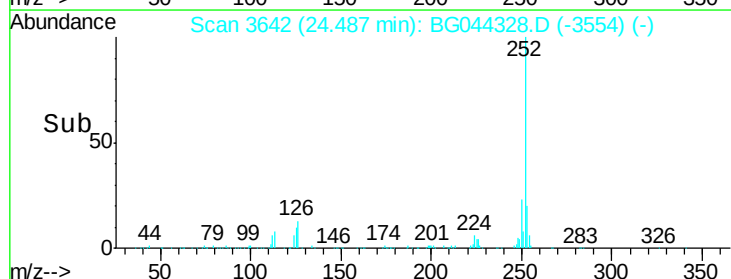
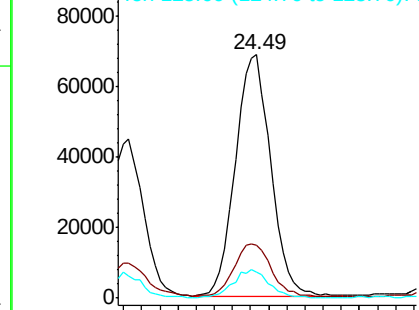


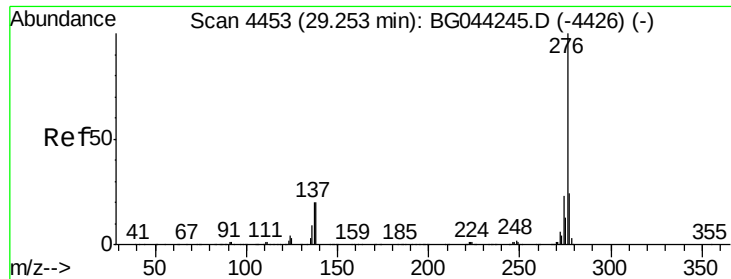
#90
Benzo(a)pyrene
Concen: 6.411 ng
RT: 24.49 min Scan# 3642
Delta R.T. -0.01 min
Lab File: BG044328.D
Acq: 6 Feb 2020 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	10.6	8.6	13.0



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

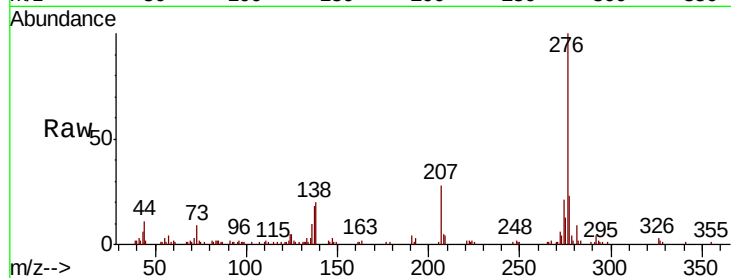




#92
 Benzo(a,h,i)perylene
 Concen: 3.285 ng
 RT: 29.20 min Scan# 4444
 Delta R.T. -0.05 min
 Lab File: BG044328.D
 Acq: 6 Feb 2020 18:34

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-PATH-BH-01-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	20.0	16.2	24.2



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

