Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101719\
Data File : BG043270.D
Acq On : 17 Oct 2019 20:17
Operator : JU
Sample : K5326-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IDW-AQ-101019

Quant Time: Oct 24 02:03:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:11:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	58884	20.00	ng		-0.02
21) Naphthalene-d8	10.84	136	238603	20.00	ng		-0.02
39) Acenaphthene-d10	14.66	164	167247	20.00	ng		-0.02
64) Phenanthrene-d10	17.41	188	366702	20.00	ng		0.00
76) Chrysene-d12	21.68	240	391819	20.00	ng		0.00
87) Perylene-d12	24.90	264	459314	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	210999	63.95	ng		-0.02
7) Phenol-d6	7.21	99	229118	48.22	ng		-0.02
23) Nitrobenzene-d5	9.20	82	239859	48.86	ng		-0.02
42) 2,4,6-Tribromophenol	16.16	330	306425	106.55	ng		-0.01
45) 2-Fluorobiphenyl	13.29	172	710051	61.55	ng		-0.02
79) Terphenyl-d14	20.02	244	1438597	78.24	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.90	128	60324	5.136	ng		98
50) Dimethylphthalate	14.12	163	165774	13.229	ng	#	98
71) Phenanthrene	17.45	178	101671	5.679	ng		97
73) Carbazole	17.82	167	77725	4.690	ng		98

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

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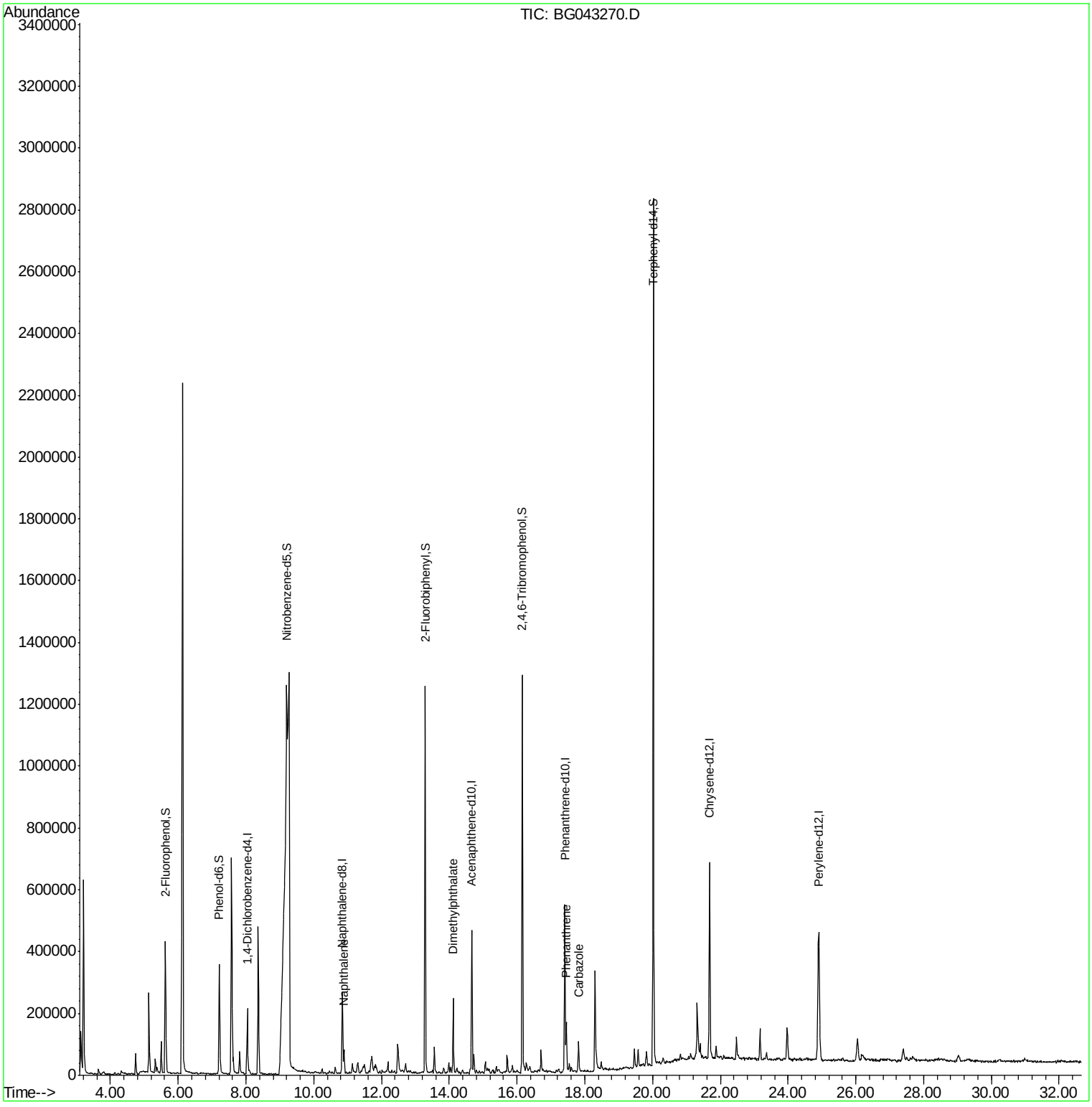
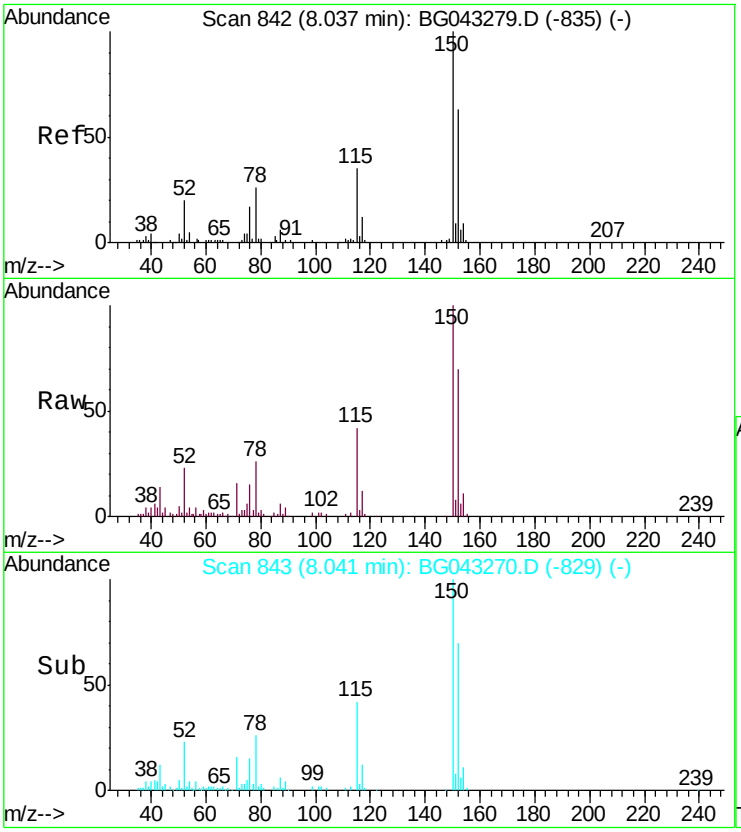


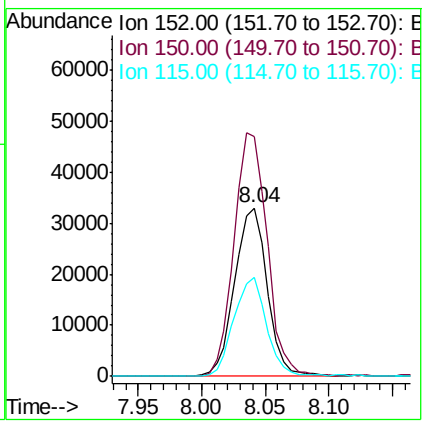


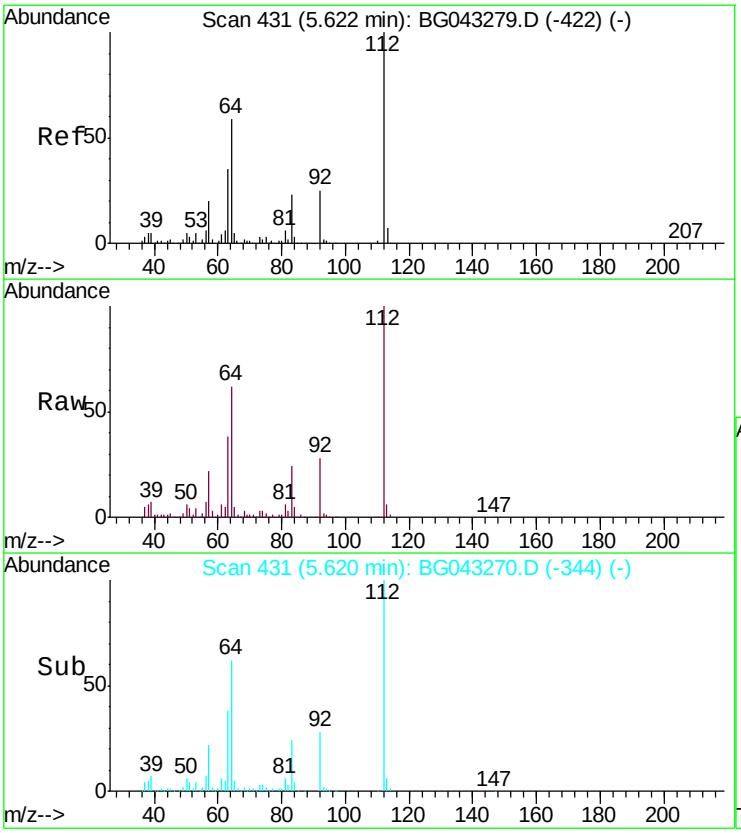
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tgt Ion:152 Resp: 58884

Ion	Ratio	Lower	Upper
152	100		
150	142.0	115.0	172.4
115	59.1	47.0	70.6

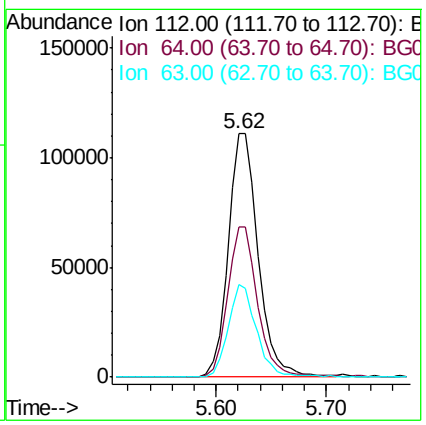


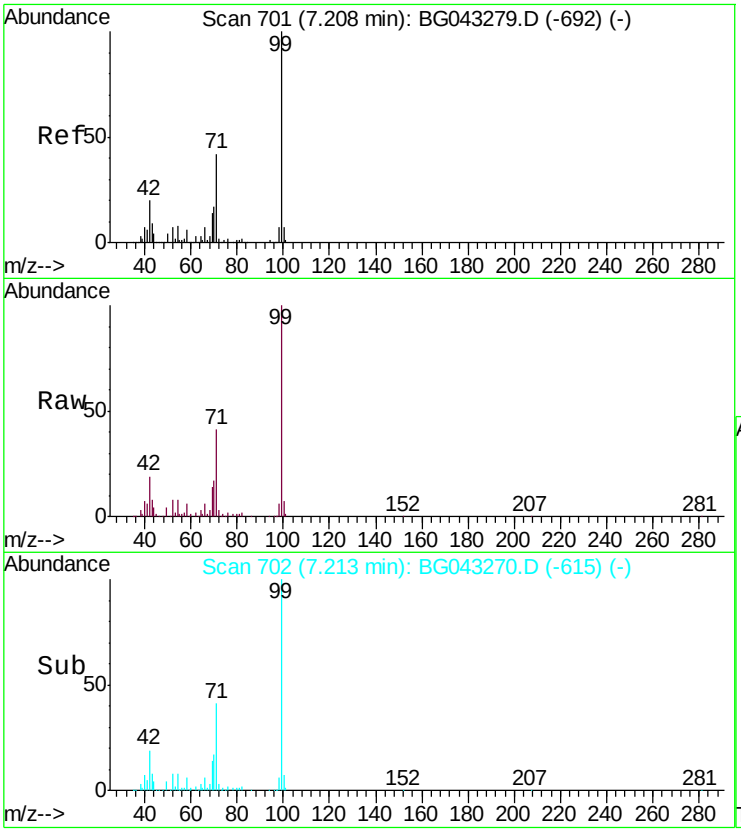


#5
2-Fluorophenol
Concen: 63.948 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:112 Resp: 210999

Ion	Ratio	Lower	Upper
112	100		
64	61.6	56.6	84.8
63	37.8	35.1	52.7



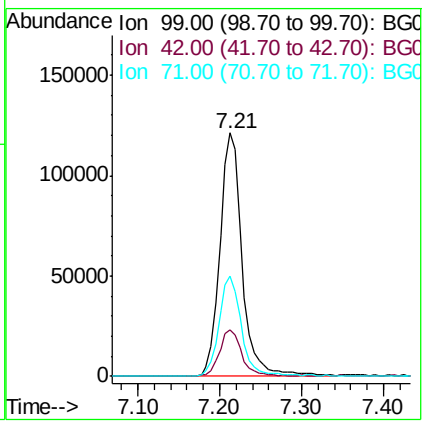


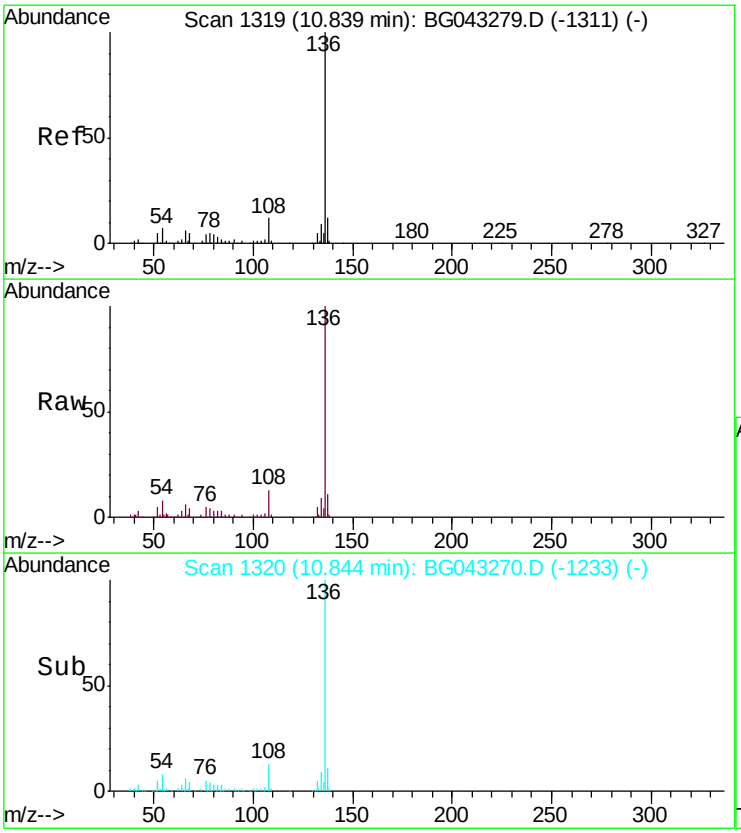
#7
Phenol-d6
Concen: 48.220 ng
RT: 7.21 min Scan# 702
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tgt Ion: 99 Resp: 229118

Ion	Ratio	Lower	Upper
99	100		
42	19.2	17.2	25.8
71	41.0	33.1	49.7

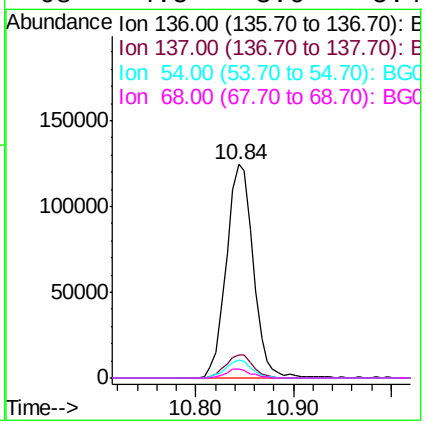


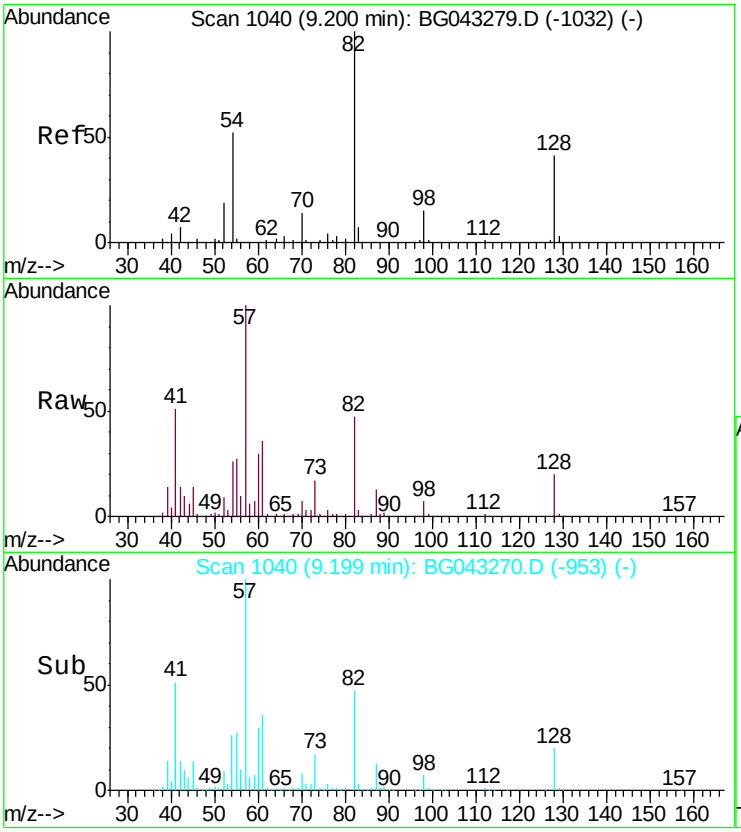


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:136 Resp: 238603

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	8.4	7.4	11.2
68	4.5	3.6	5.4



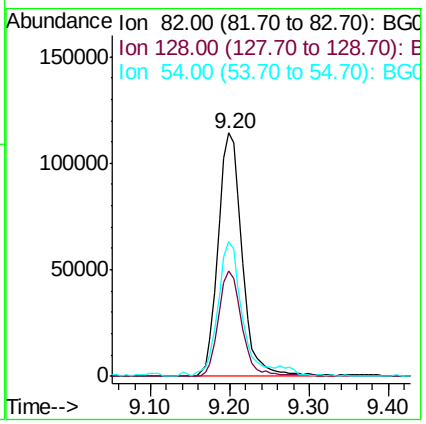


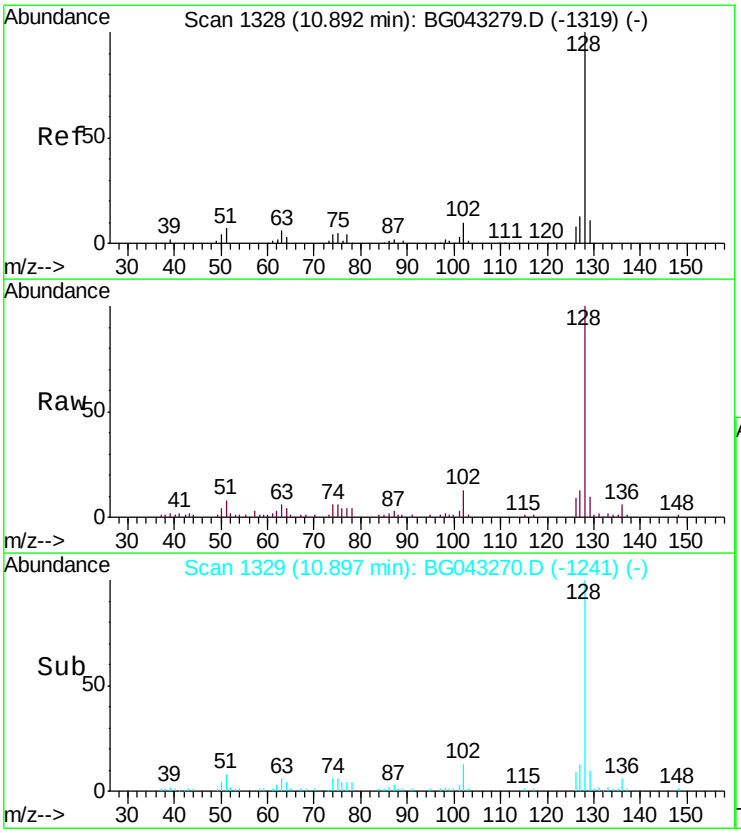
#23
Nitrobenzene-d5
Concen: 48.861 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tgt Ion: 82 Resp: 239859

Ion	Ratio	Lower	Upper
82	100		
128	43.4	29.5	44.3
54	55.6	44.6	67.0

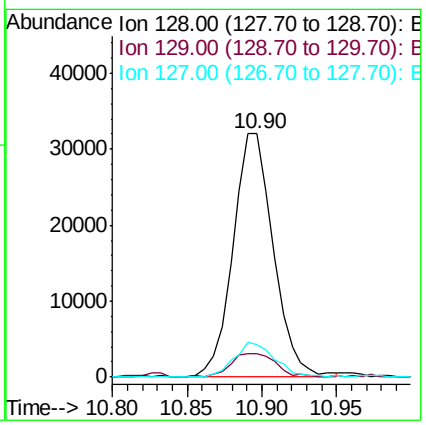


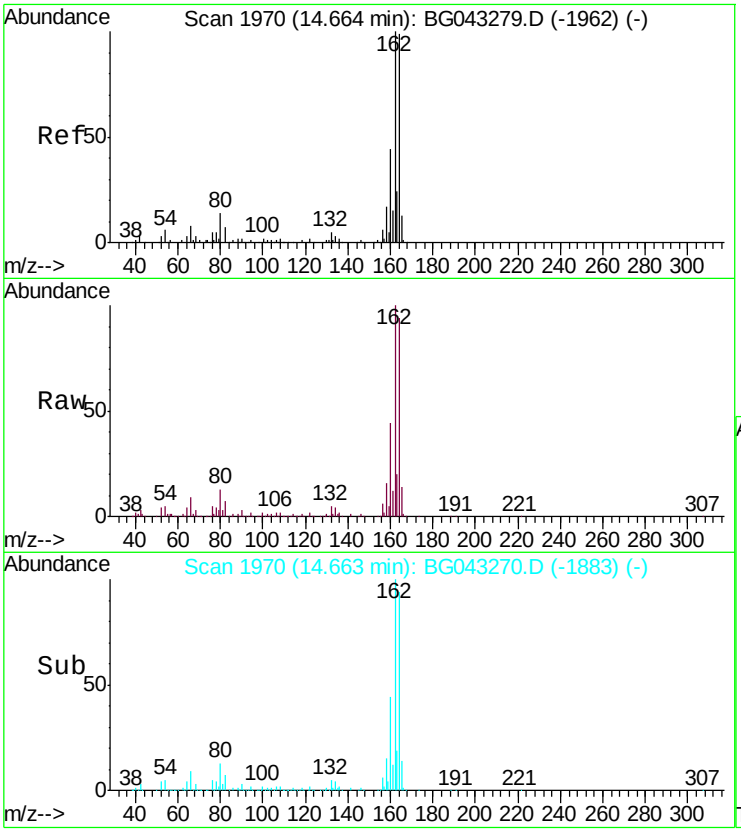


#31
Naphthalene
Concen: 5.136 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:128 Resp: 60324

Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.8	13.2
127	13.5	11.3	16.9



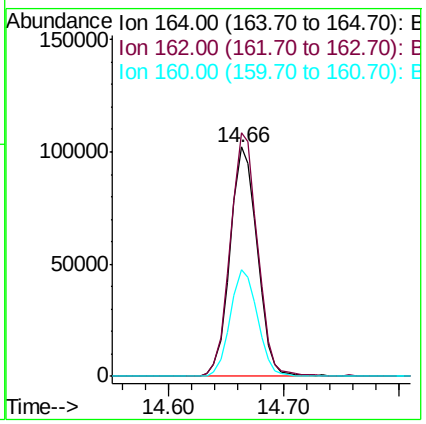


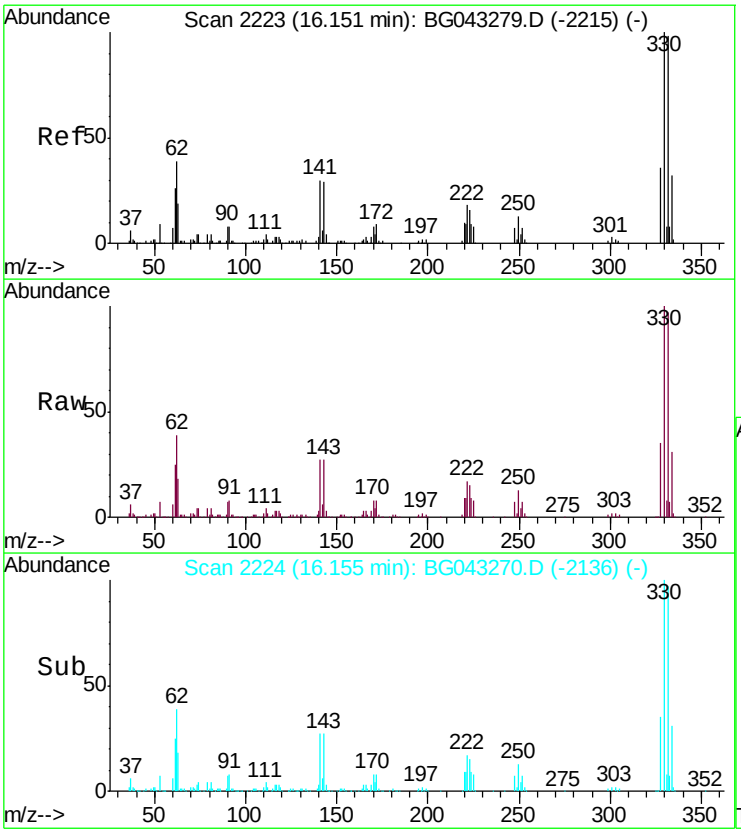
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tgt Ion:164 Resp: 167247

Ion	Ratio	Lower	Upper
164	100		
162	106.1	78.5	117.7
160	46.7	35.9	53.9

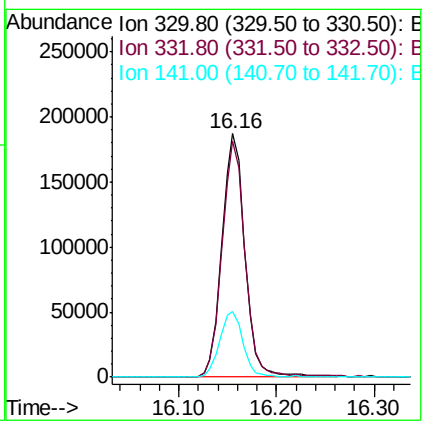


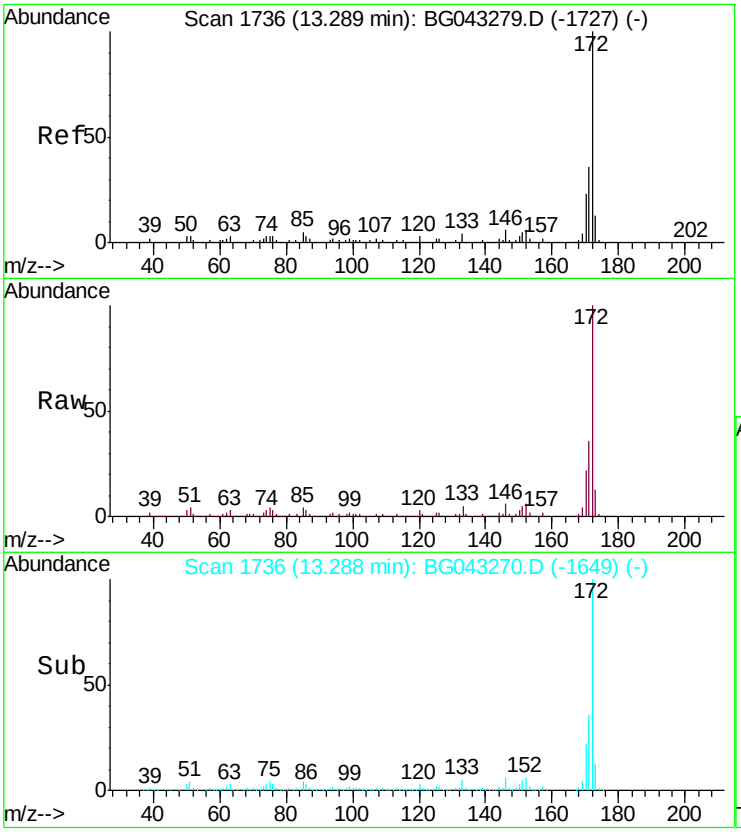


#42
2,4,6-Tribromophenol
Concen: 106.549 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:330 Resp: 306425

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.2	117.2
141	27.2	26.0	39.0



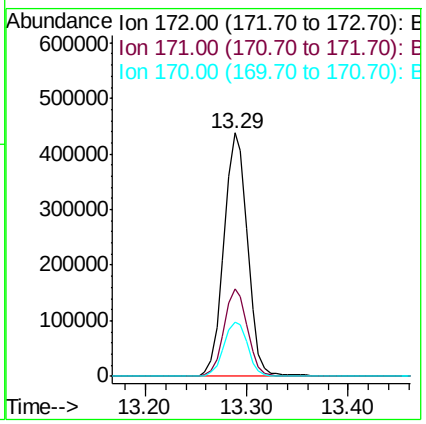


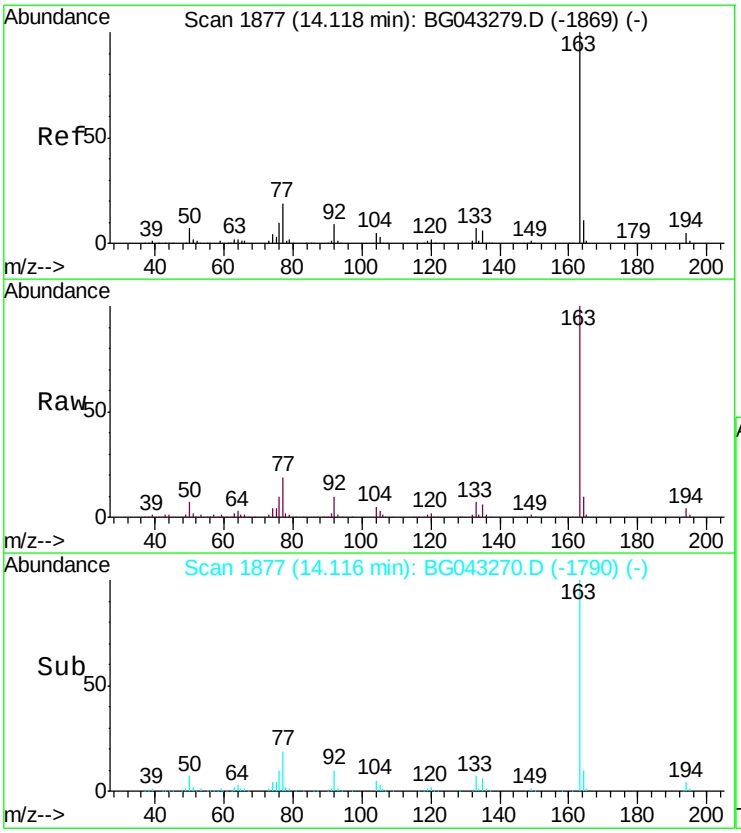
#45
2-Fluorobiphenyl
Concen: 61.547 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tgt Ion:172 Resp: 710051

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	22.3	19.6	29.4

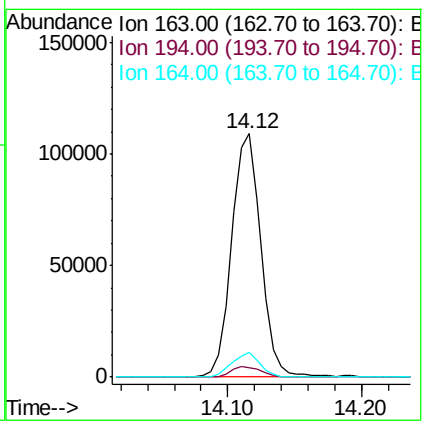


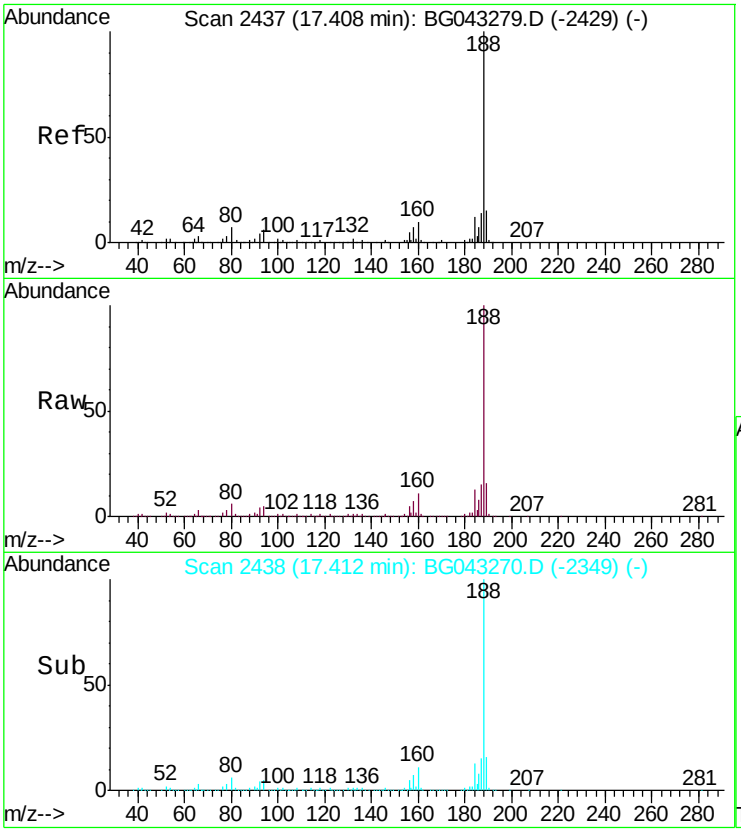


#50
Dimethylphthalate
Concen: 13.229 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:163 Resp: 165774

Ion	Ratio	Lower	Upper
163	100		
194	4.1	4.4	6.6#
164	10.3	8.6	12.8



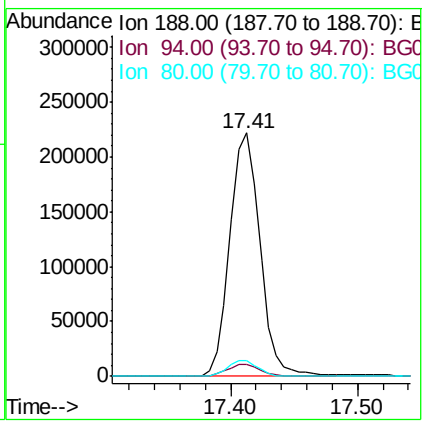


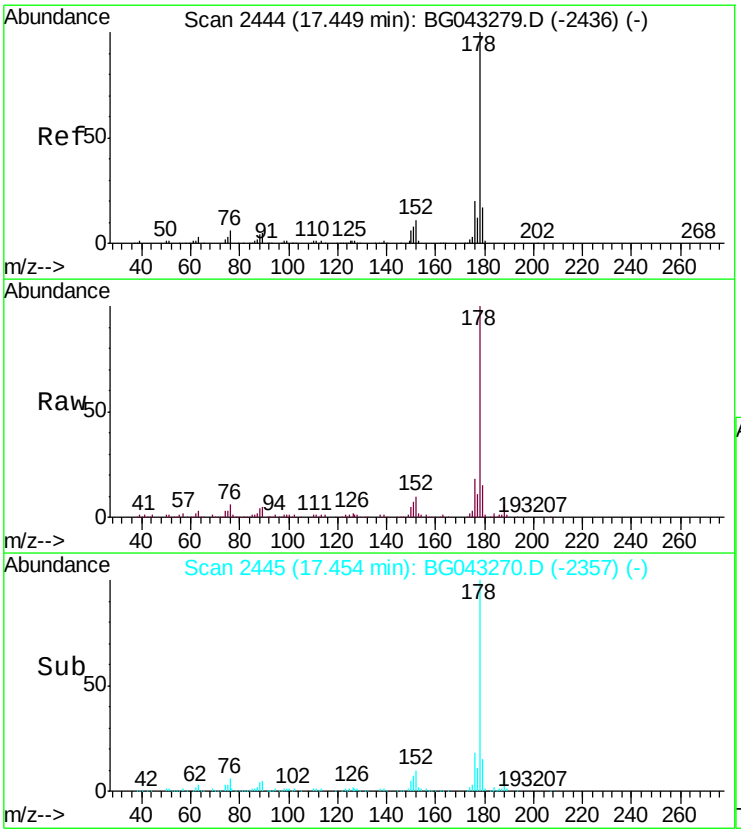
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tgt Ion:188 Resp: 366702

Ion	Ratio	Lower	Upper
188	100		
94	5.0	5.7	8.5#
80	6.5	6.5	9.7#

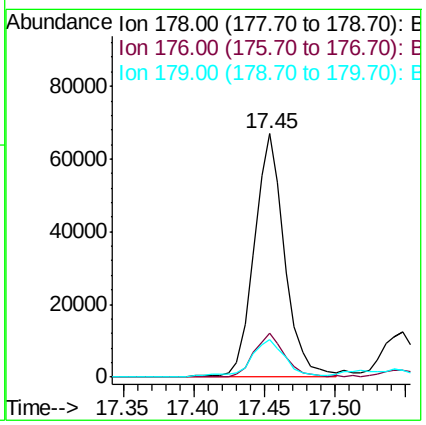


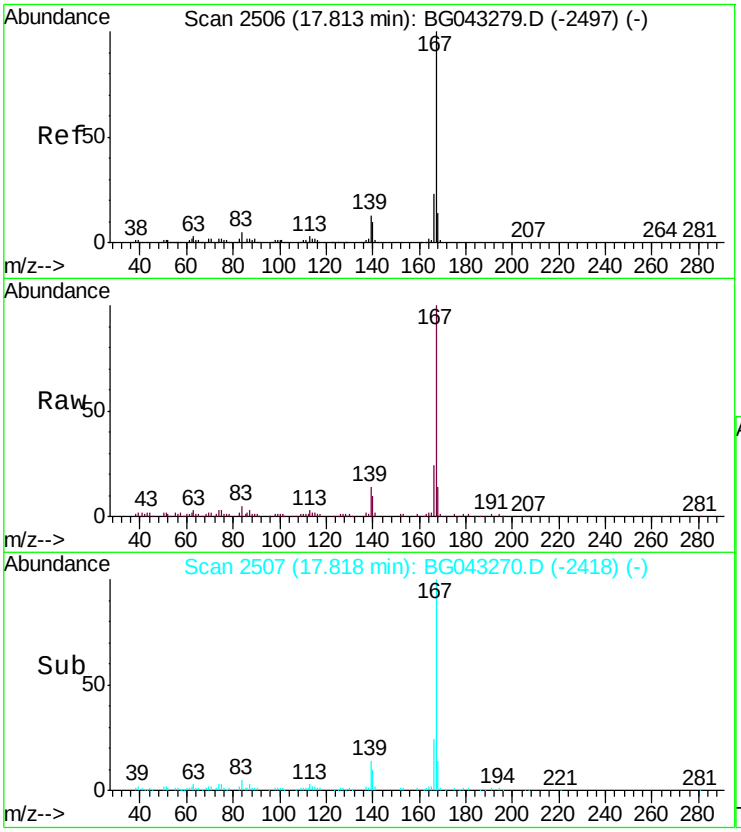


#71
Phenanthrene
Concen: 5.679 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:178 Resp: 101671

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	15.5	14.1	21.1



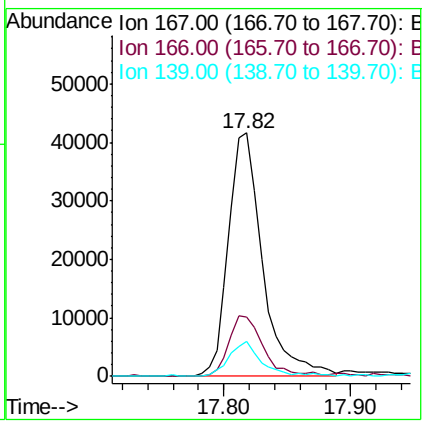


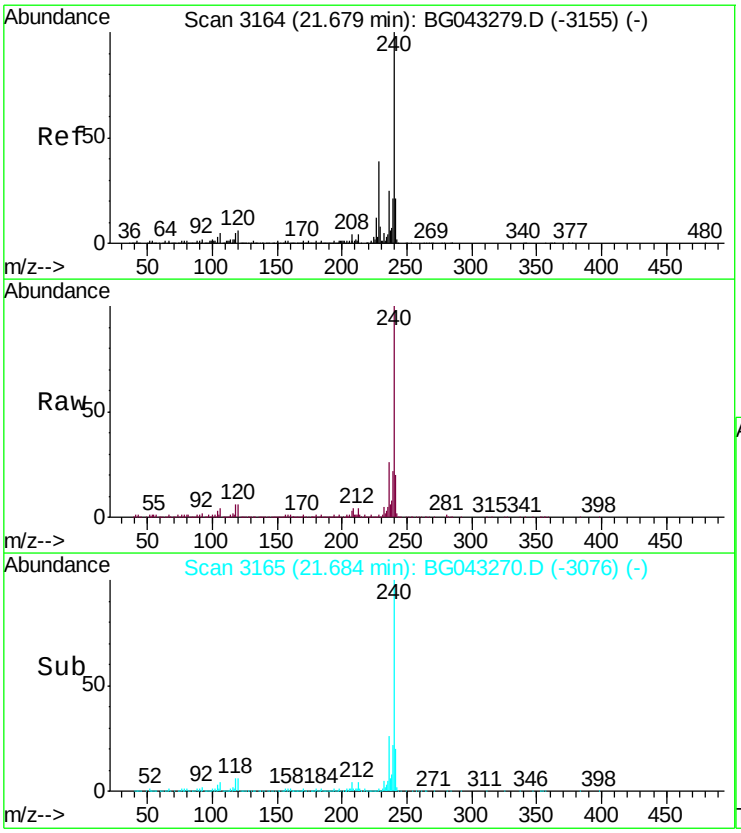
#73
Carbazole
Concen: 4.690 ng
RT: 17.82 min Scan# 2507
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tgt Ion:167 Resp: 77725

Ion	Ratio	Lower	Upper
167	100		
166	24.1	18.6	28.0
139	14.2	10.8	16.2

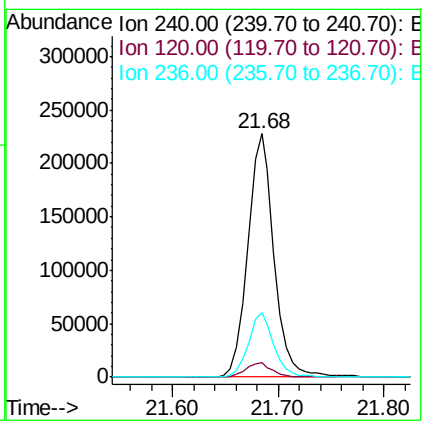


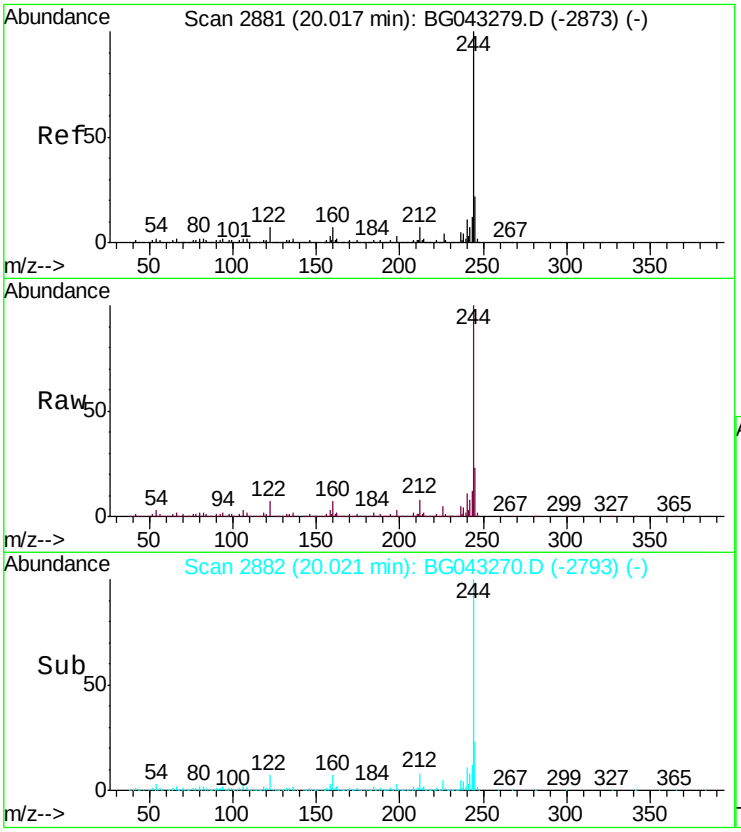


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:240 Resp: 391819

Ion	Ratio	Lower	Upper
240	100		
120	5.8	4.8	7.2
236	26.3	21.4	32.0



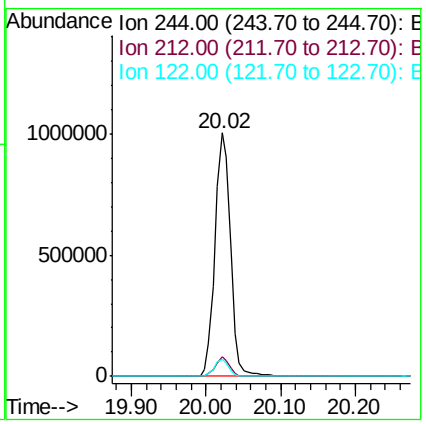


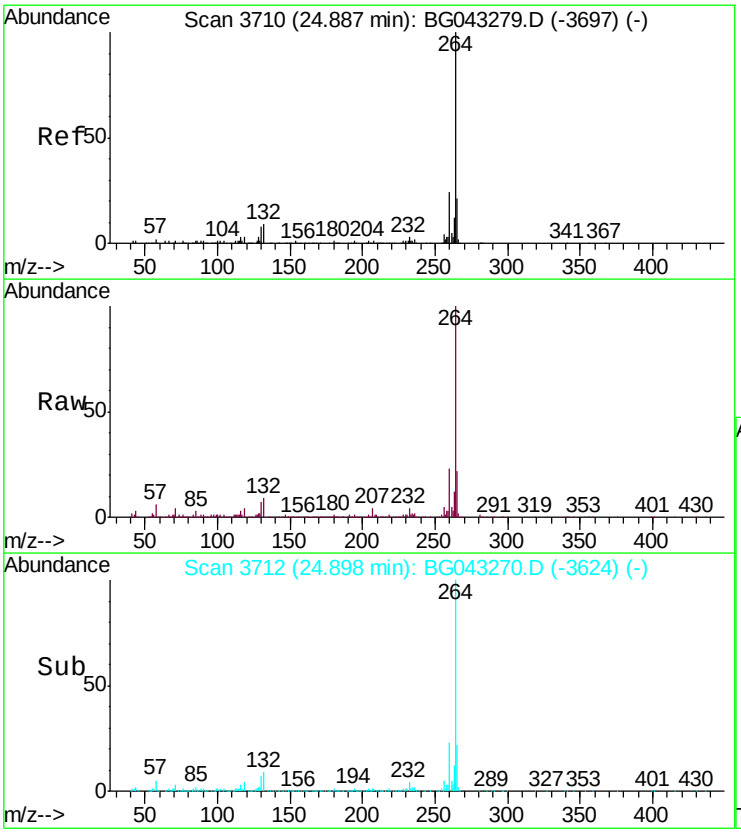
#79
Terphenyl-d14
Concen: 78.237 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tgt Ion:244 Resp: 1438597

Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.4	11.0
122	7.1	7.0	10.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:264 Resp: 459314

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.0	17.7	26.5