Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022460.D
Acq On : 31 Aug 2019 02:50
Operator : HP/JU
Sample : K4439-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-1-(5-7)

Quant Time: Aug 31 05:54:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	20766	20.00	ng		-0.01
21) Naphthalene-d8	10.29	136	74125	20.00	ng		0.00
39) Acenaphthene-d10	14.18	164	46777	20.00	ng		0.00
64) Phenanthrene-d10	16.95	188	107972	20.00	ng		0.00
76) Chrysene-d12	21.16	240	171683	20.00	ng		-0.01
87) Perylene-d12	23.36	264	220065	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.15	112	43692	36.93	ng		0.00
7) Phenol-d6	6.72	99	55315	34.96	ng		0.00
23) Nitrobenzene-d5	8.70	82	37980	22.44	ng		0.00
42) 2,4,6-Tribromophenol	15.70	330	27284	28.50	ng		0.00
45) 2-Fluorobiphenyl	12.79	172	84522	20.47	ng		0.00
79) Terphenyl-d14	19.59	244	189024	14.53	ng		-0.01
Target Compounds							Qvalue
50) Dimethylphthalate	13.66	163	11873	2.918	ng	#	94
71) Phenanthrene	16.99	178	15016	2.386	ng		97
75) Fluoranthene	19.02	202	29825	3.559	ng		97
78) Pyrene	19.39	202	31952	2.731	ng		97
81) Benzo(a)anthracene	21.15	228	25424	2.063	ng	#	88
83) Chrysene	21.20	228	33588	2.864	ng	#	90
88) Benzo(b)fluoranthene	22.70	252	39498	2.584	ng	#	86

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

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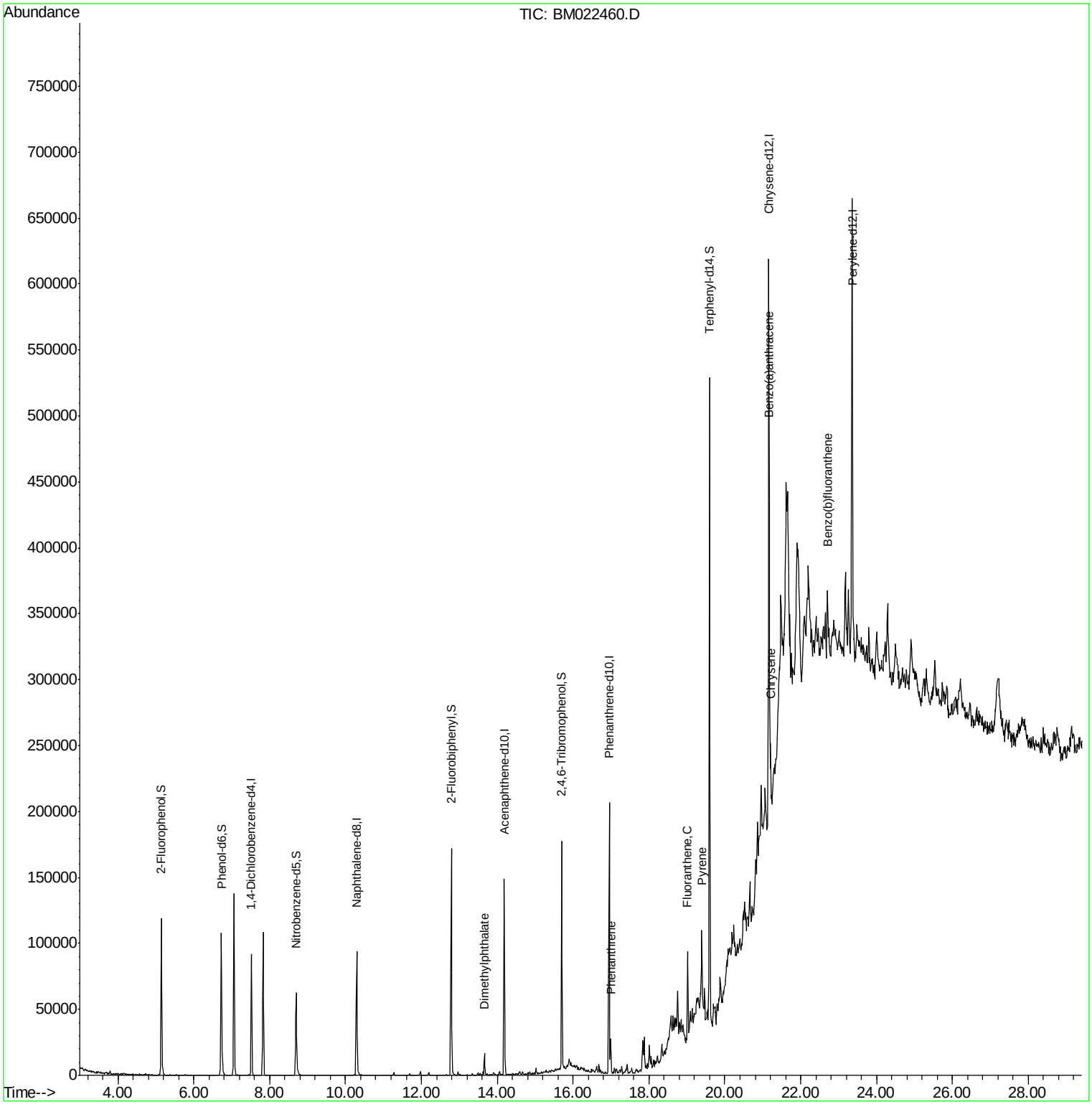
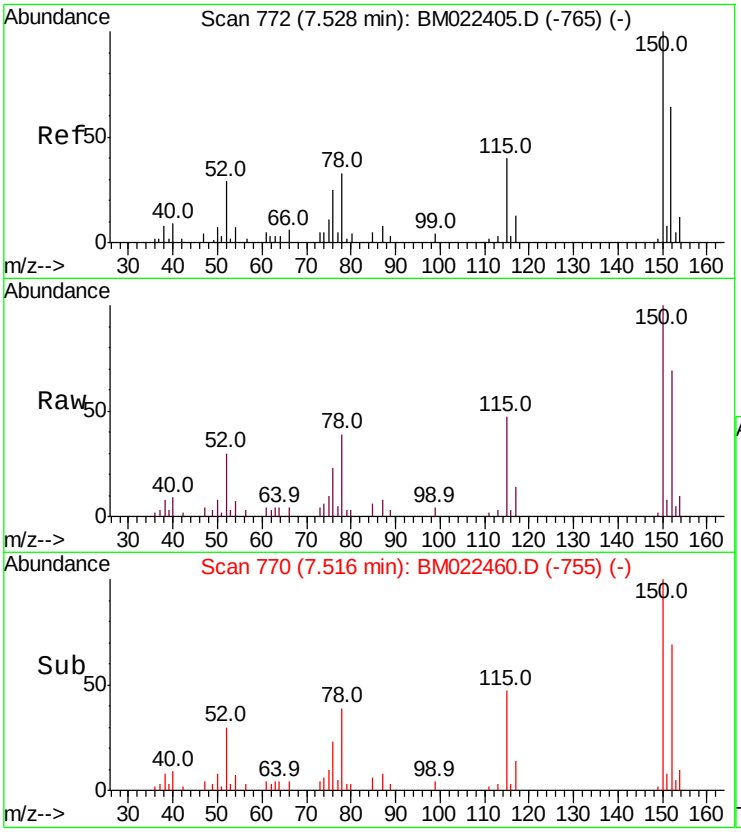
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration



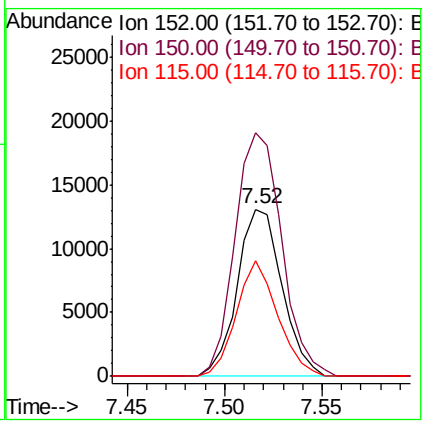


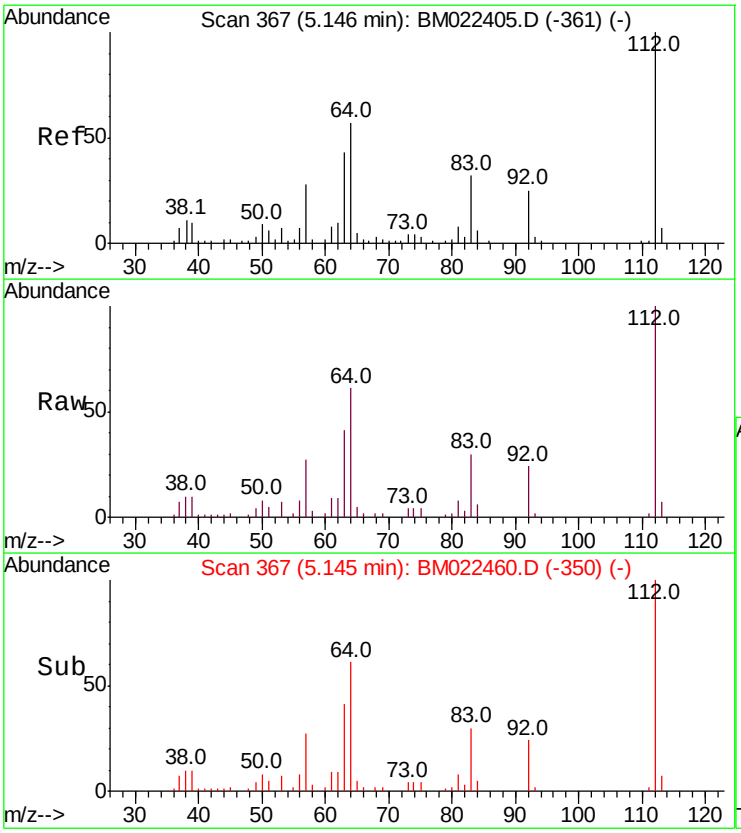
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion:152 Resp: 20766

Ion	Ratio	Lower	Upper
152	100		
150	145.5	125.4	188.0
115	69.1	50.3	75.5

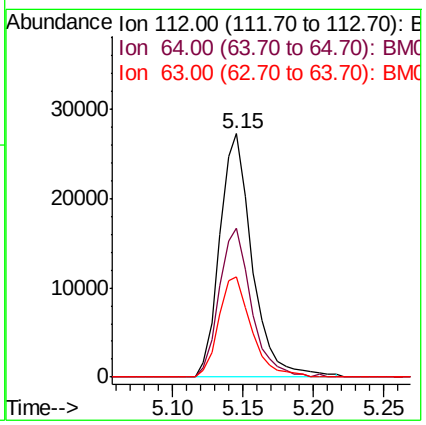


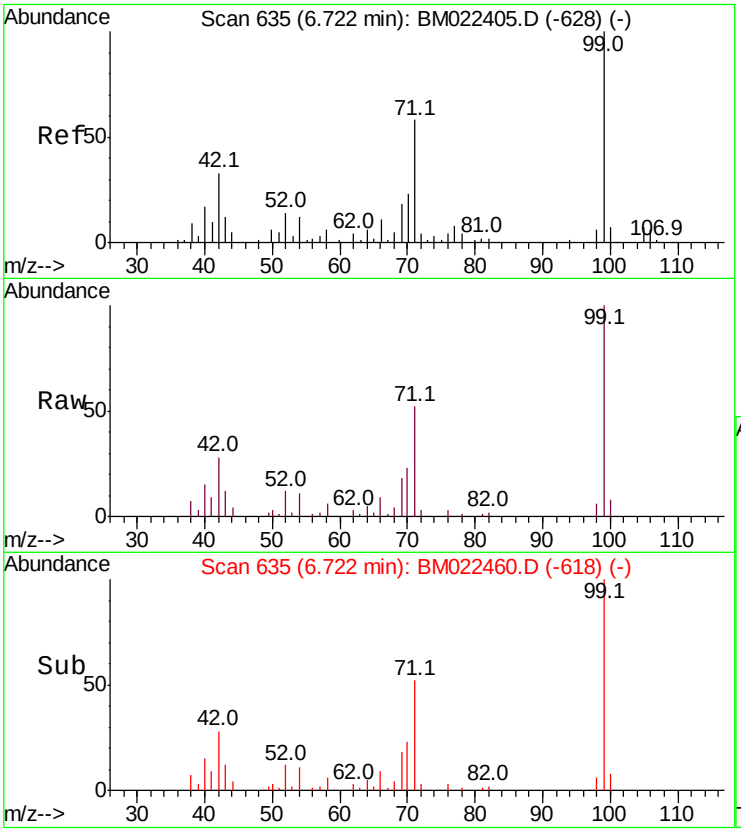


#5
2-Fluorophenol
Concen: 36.932 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:112 Resp: 43692

Ion	Ratio	Lower	Upper
112	100		
64	61.2	45.4	68.2
63	41.1	34.5	51.7



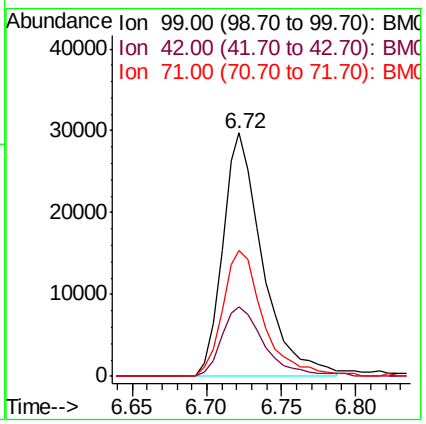


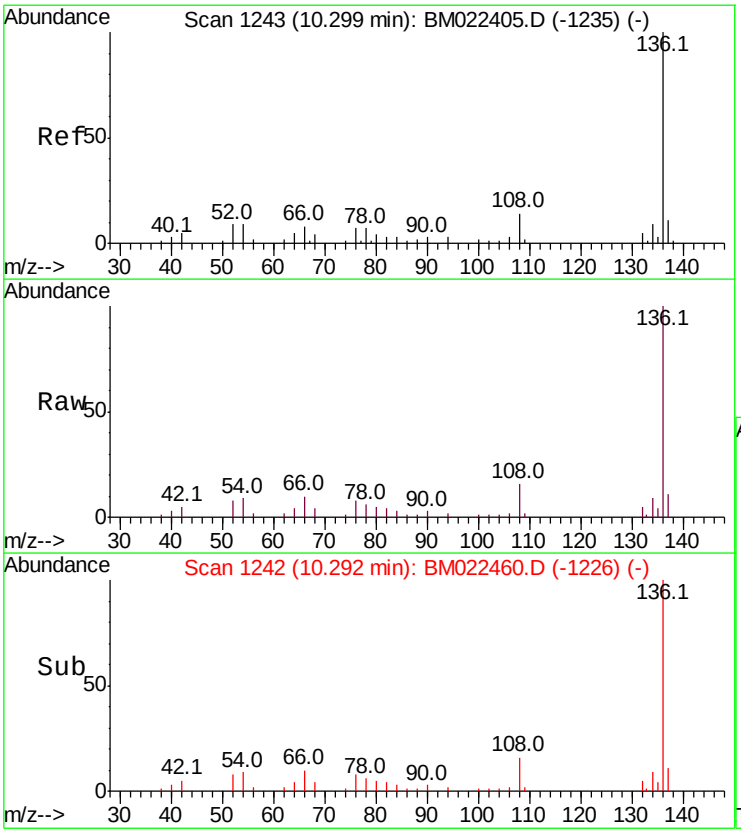
#7
Phenol-d6
Concen: 34.965 ng
RT: 6.72 min Scan# 635
Delta R.T. -0.00 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion: 99 Resp: 55315

Ion	Ratio	Lower	Upper
99	100		
42	28.5	26.3	39.5
71	51.5	46.6	69.8

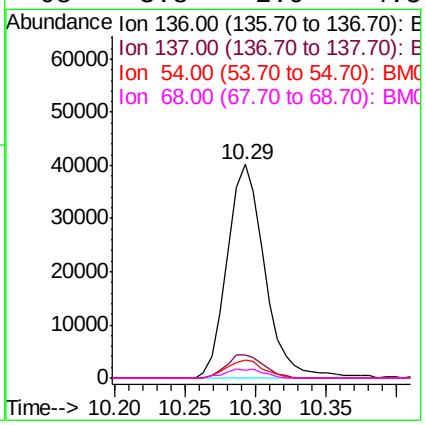


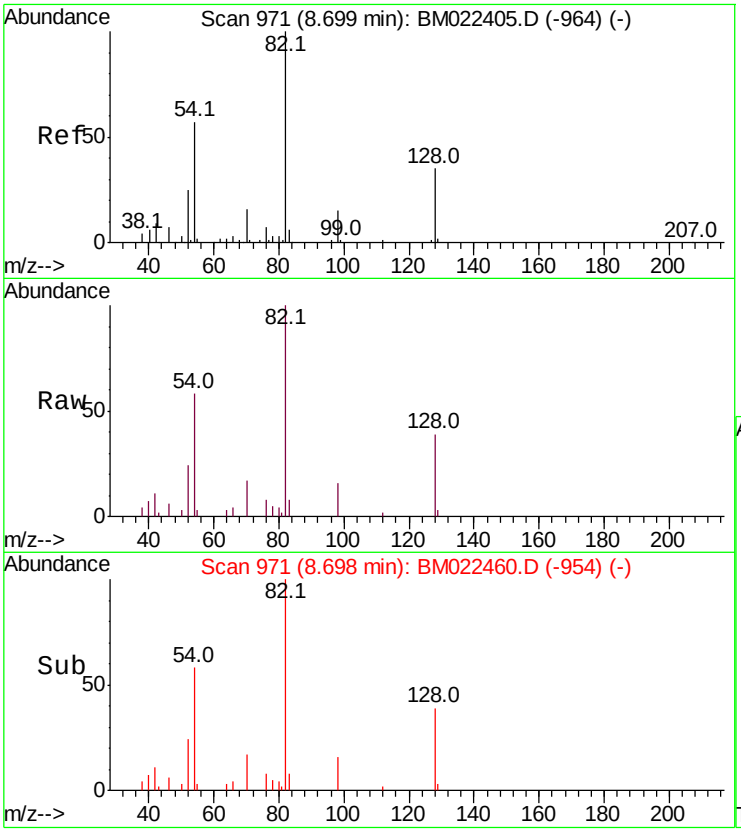


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:136 Resp: 74125

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.7	7.0	10.6
68	3.8	2.9	4.3



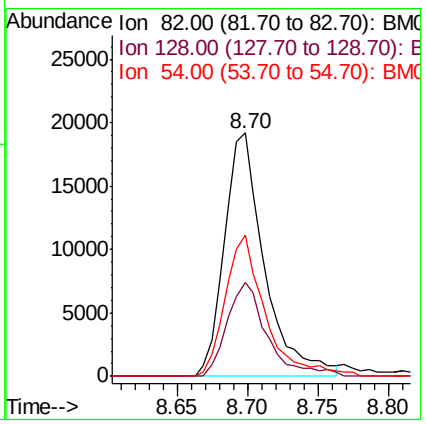


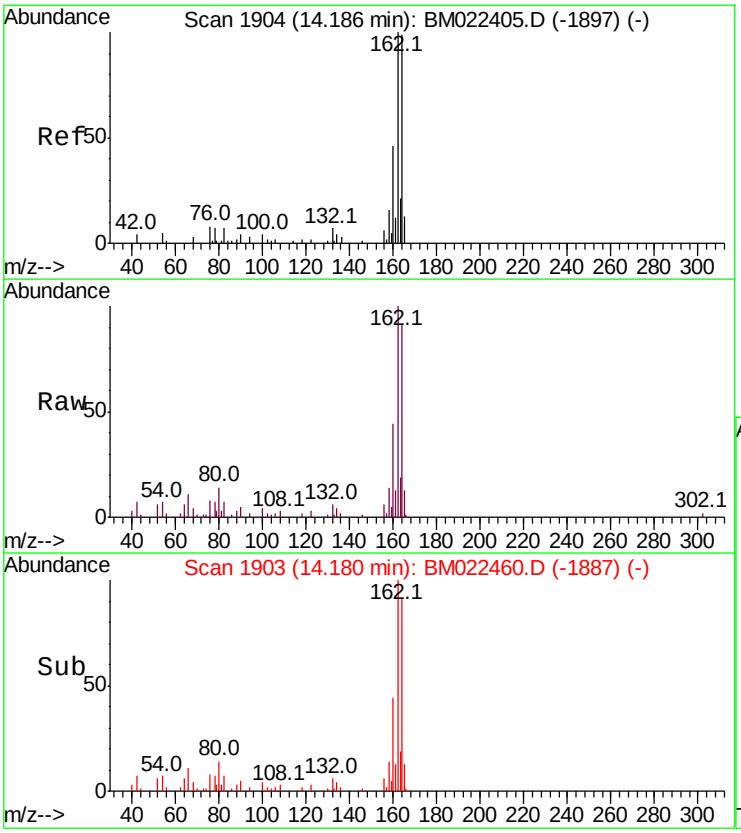
#23
Nitrobenzene-d5
Concen: 22.442 ng
RT: 8.70 min Scan# 971
Delta R.T. -0.00 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion: 82 Resp: 37980

Ion	Ratio	Lower	Upper
82	100		
128	38.7	27.9	41.9
54	57.8	45.2	67.8

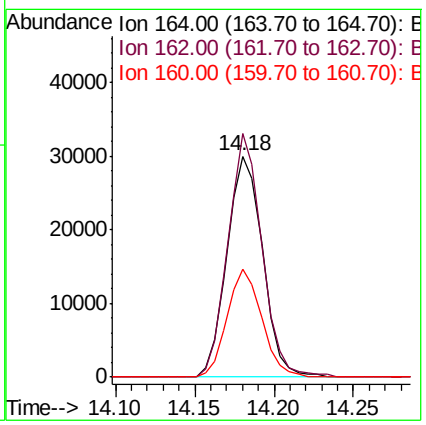


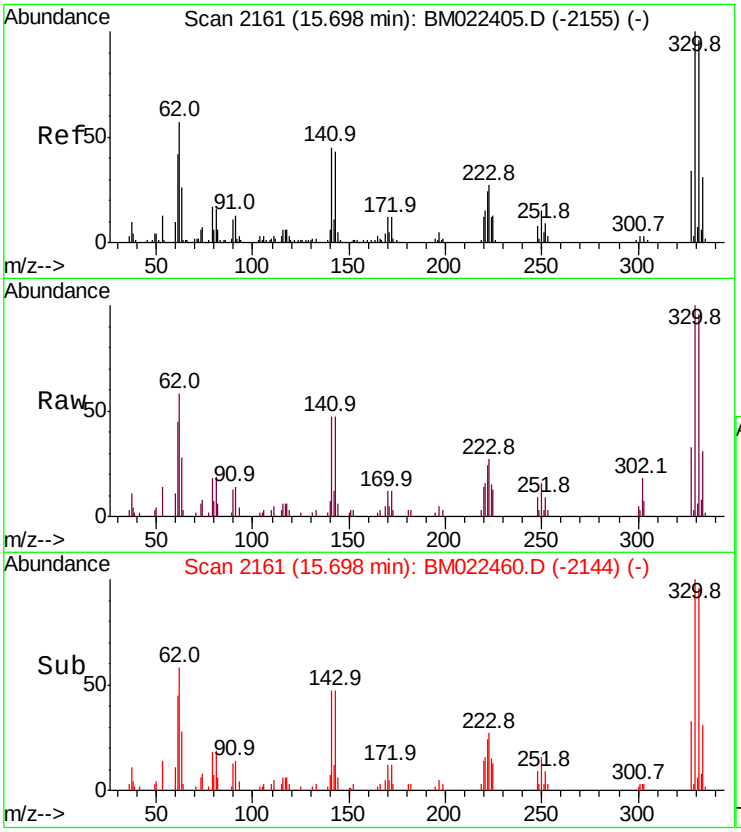


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:164 Resp: 46777

Ion	Ratio	Lower	Upper
164	100		
162	110.3	80.6	121.0
160	48.8	37.3	55.9



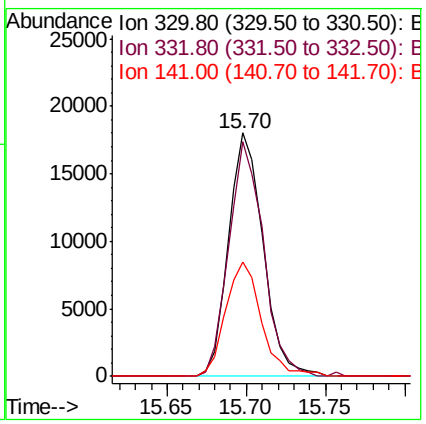


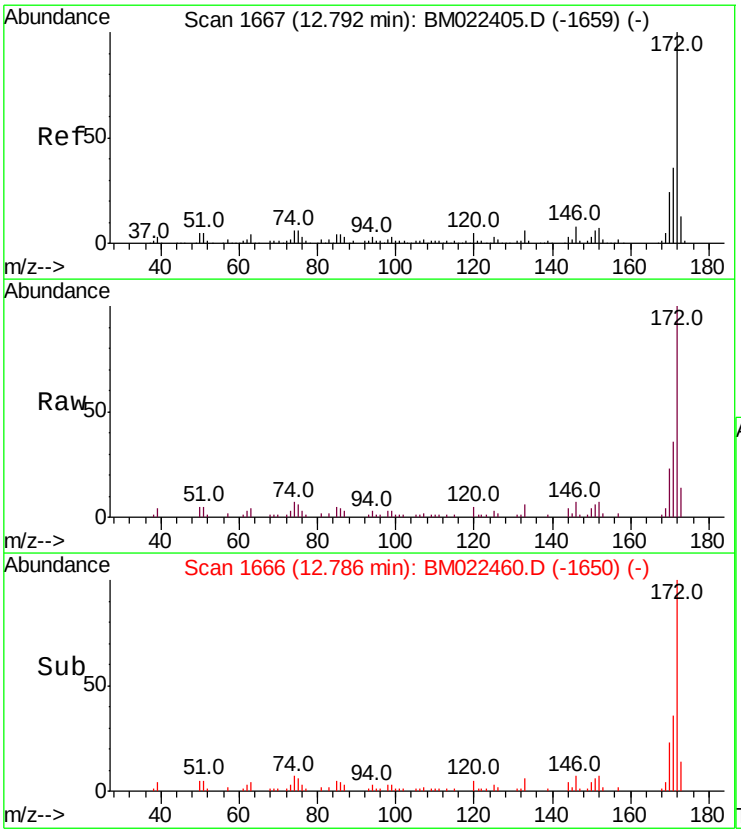
#42
2,4,6-Tribromophenol
Concen: 28.504 ng
RT: 15.70 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion:330 Resp: 27284

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.8	116.8
141	48.6	35.6	53.4

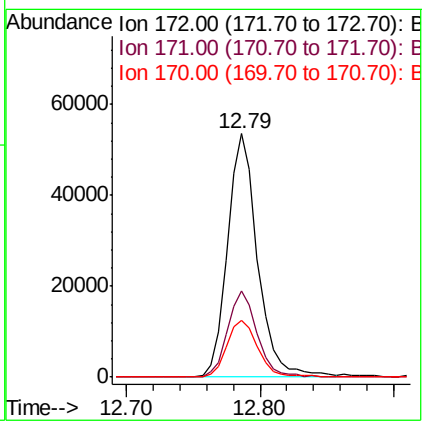


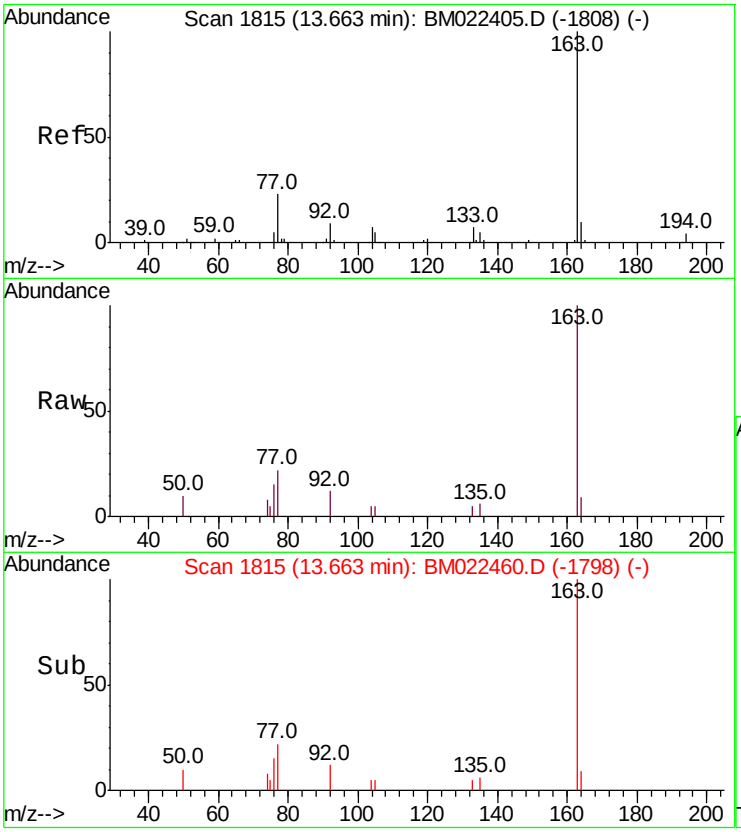


#45
2-Fluorobiphenyl
Concen: 20.470 ng
RT: 12.79 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:172 Resp: 84522

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	23.5	18.9	28.3



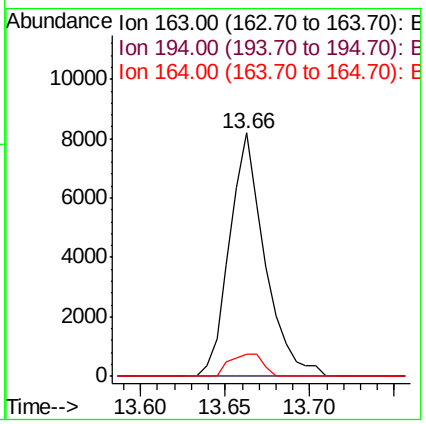


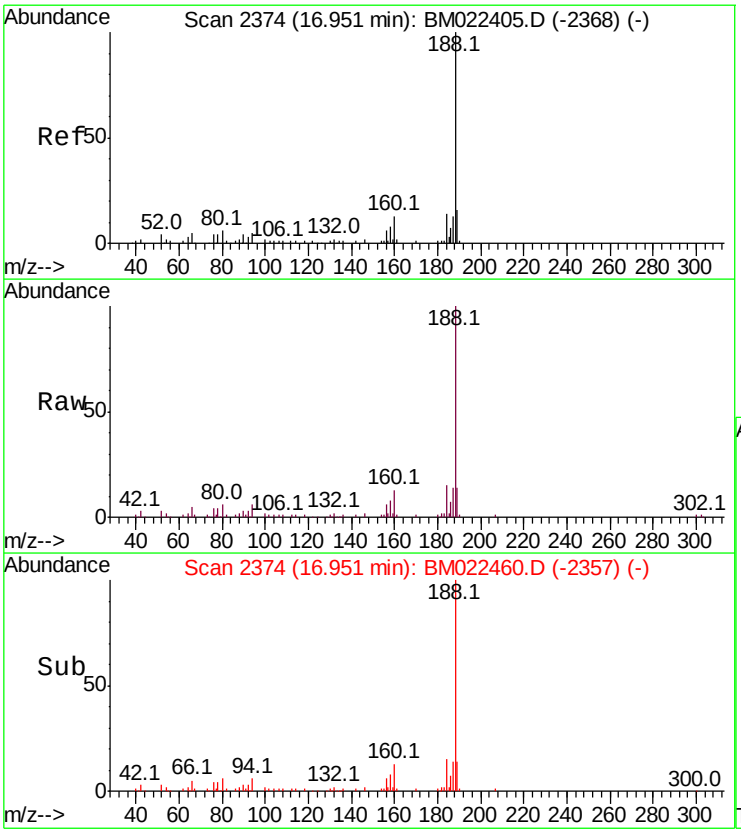
#50
Dimethylphthalate
Concen: 2.918 ng
RT: 13.66 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion:163 Resp: 11873

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.4	5.2#
164	9.2	8.2	12.2

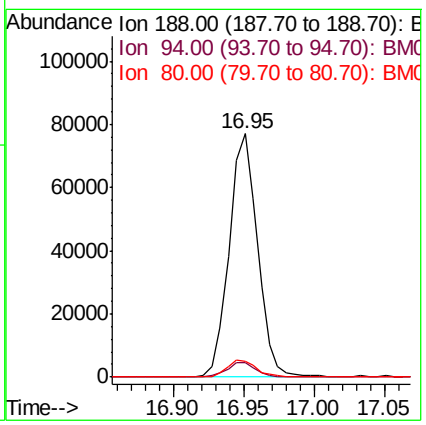


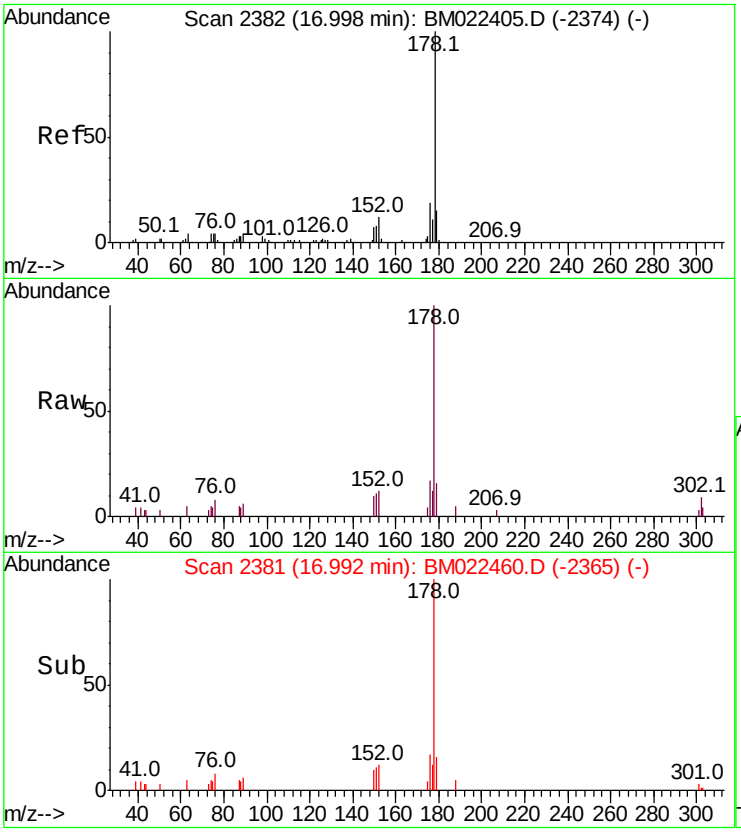


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:188 Resp: 107972

Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.4	6.6
80	6.3	5.0	7.6



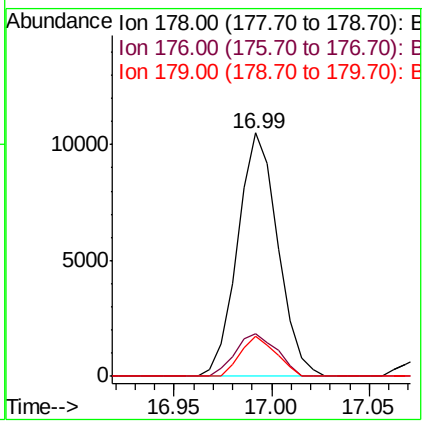


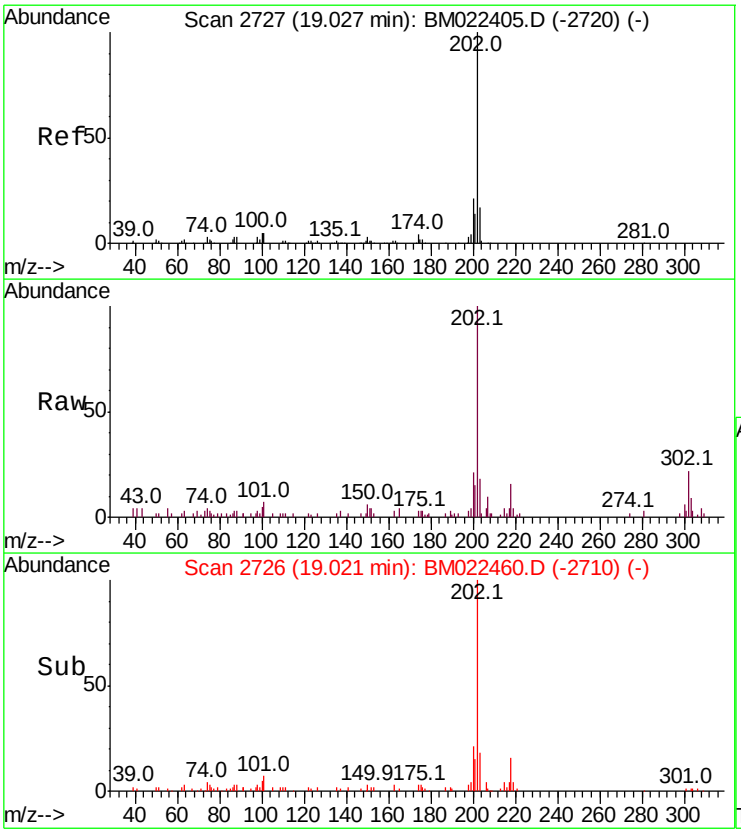
#71
Phenanthrene
Concen: 2.386 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion:178 Resp: 15016

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	16.3	12.3	18.5

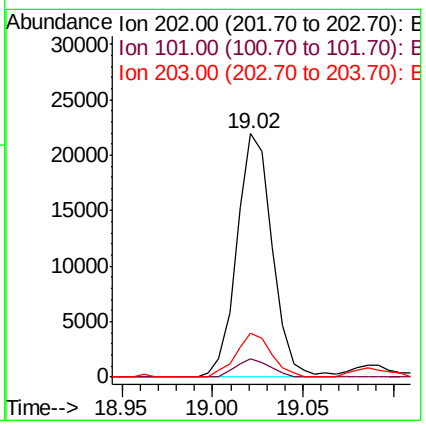


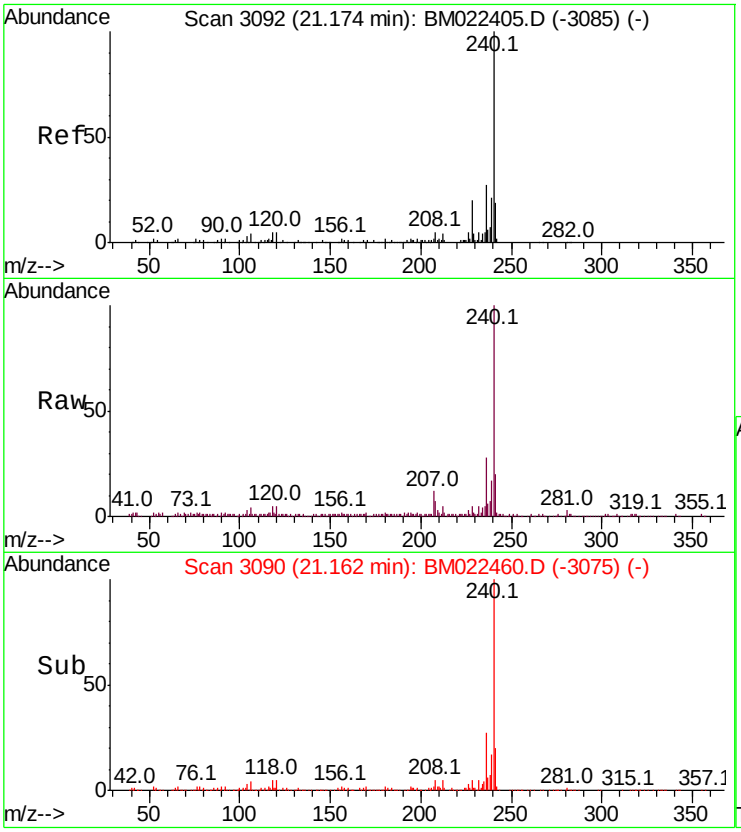


#75
Fluoranthene
Concen: 3.559 ng
RT: 19.02 min Scan# 2726
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:202 Resp: 29825

Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	25.1
203	17.9	0.0	37.1



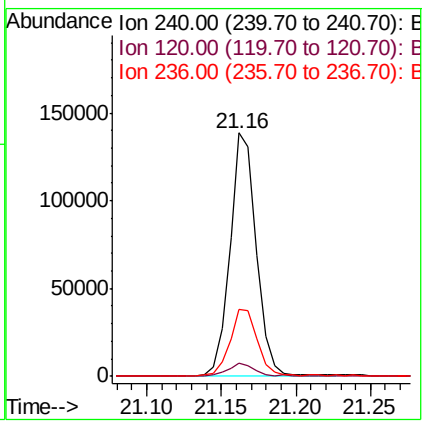


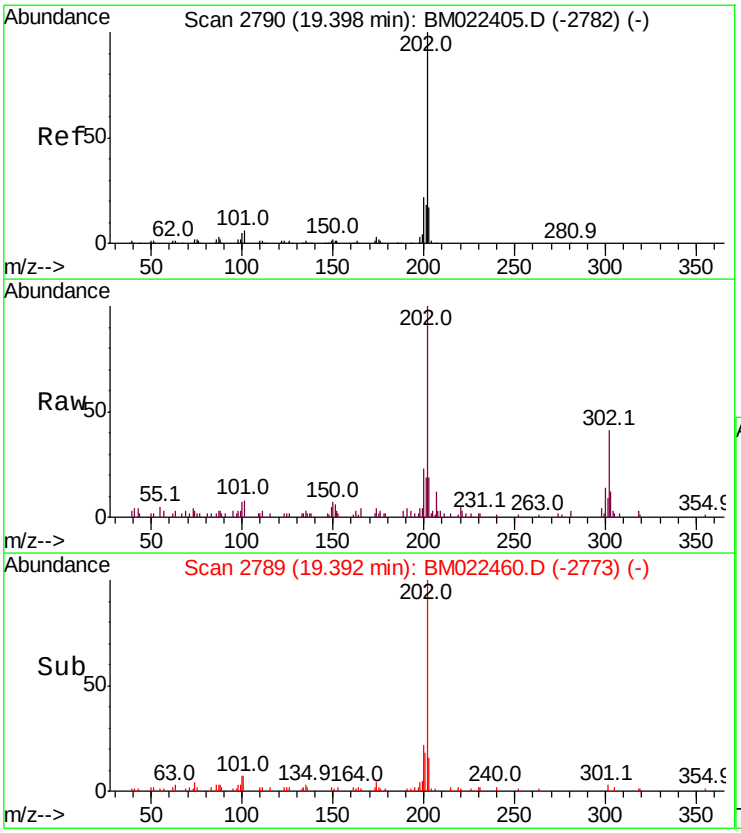
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion:240 Resp: 171683

Ion	Ratio	Lower	Upper
240	100		
120	5.3	3.9	5.9
236	27.6	21.4	32.2

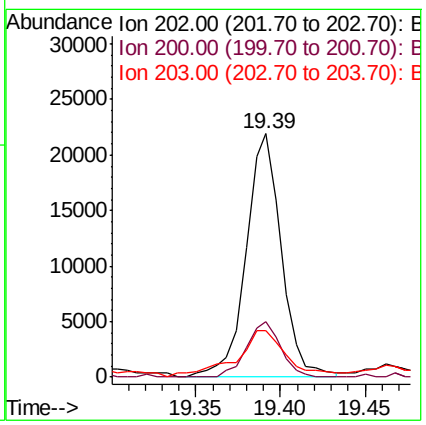


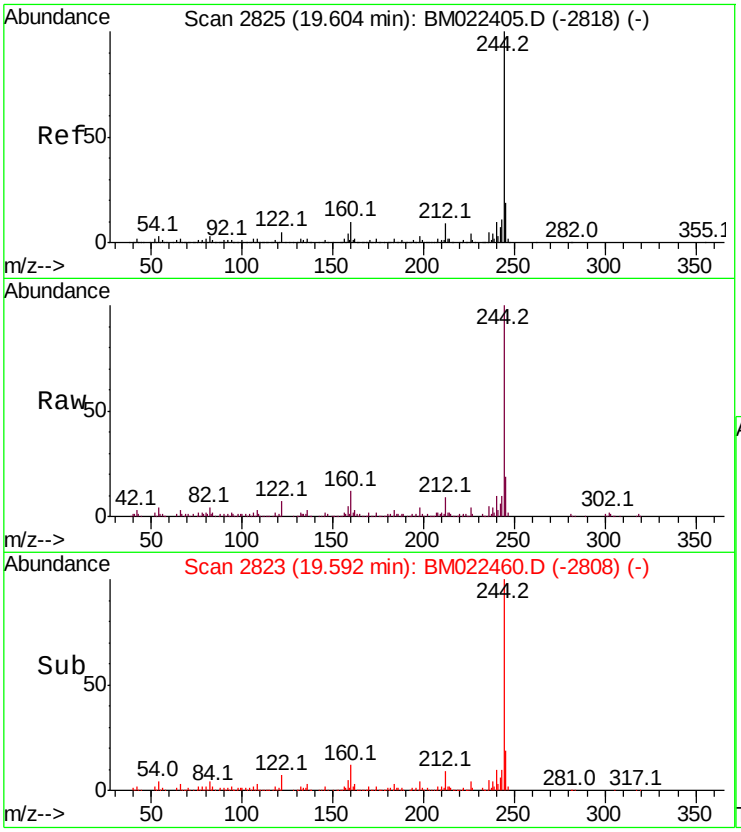


#78
Pyrene
Concen: 2.731 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:202 Resp: 31952

Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.7	26.5
203	19.0	13.8	20.8



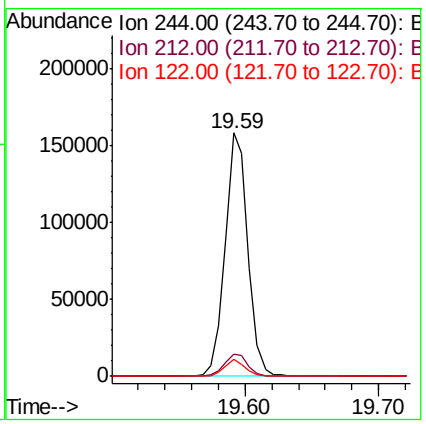


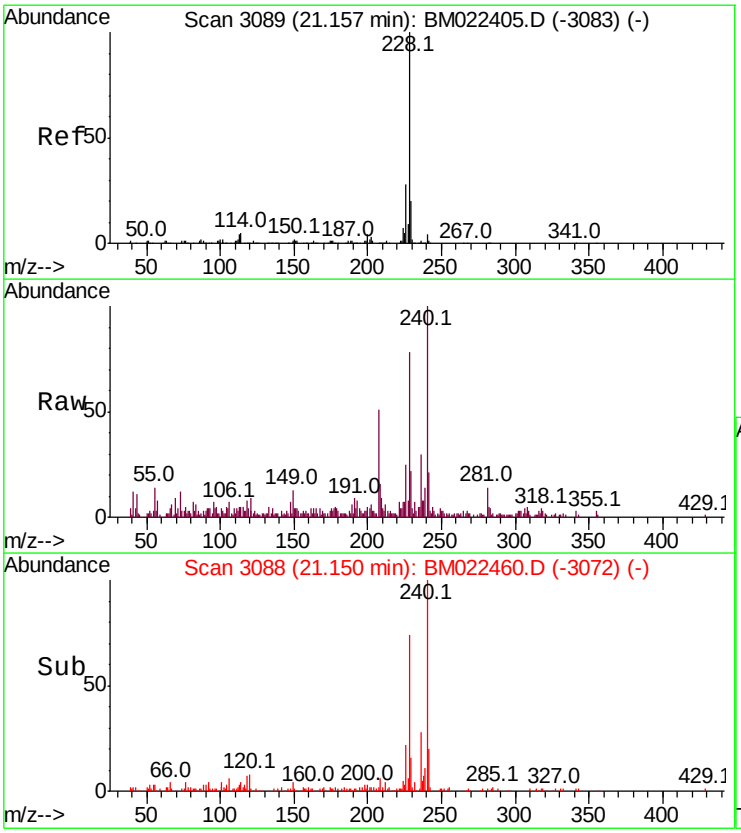
#79
Terphenyl-d14
Concen: 14.531 ng
RT: 19.59 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion:244 Resp: 189024

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.4
122	6.9	3.9	5.9#

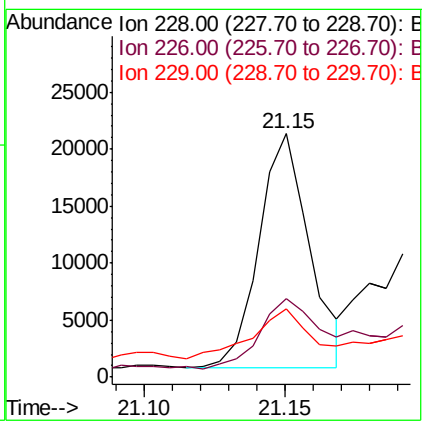


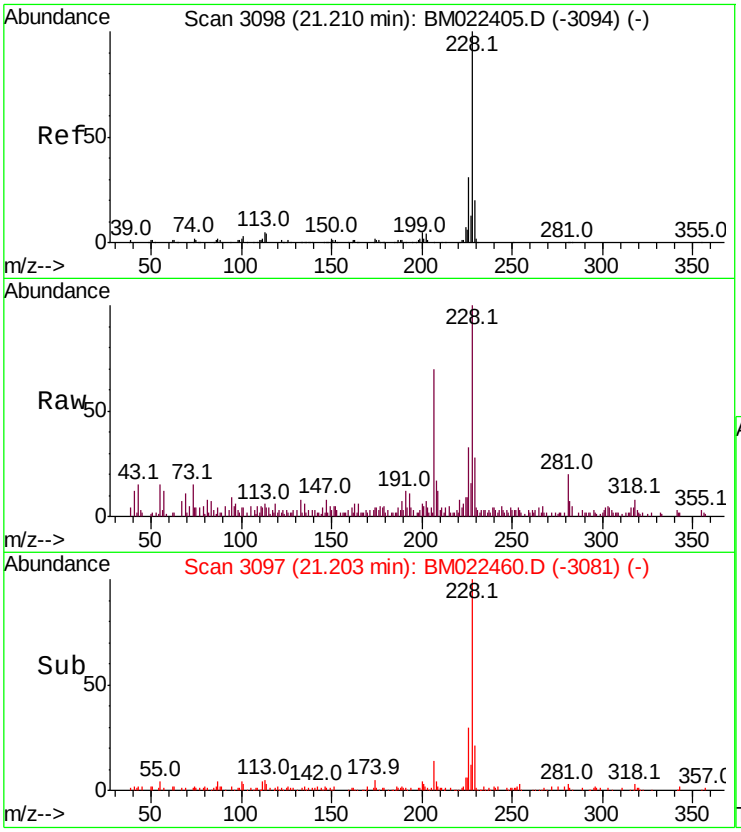


#81
Benzo(a)anthracene
Concen: 2.063 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:228 Resp: 25424

Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	34.0
229	28.2	15.9	23.9#



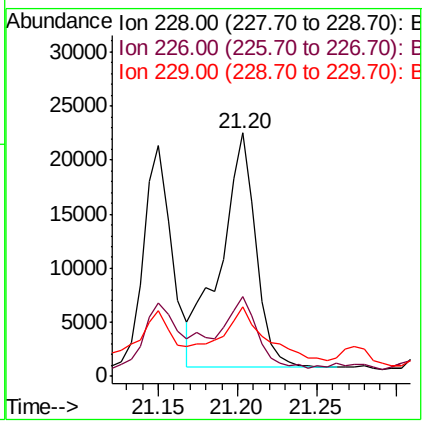


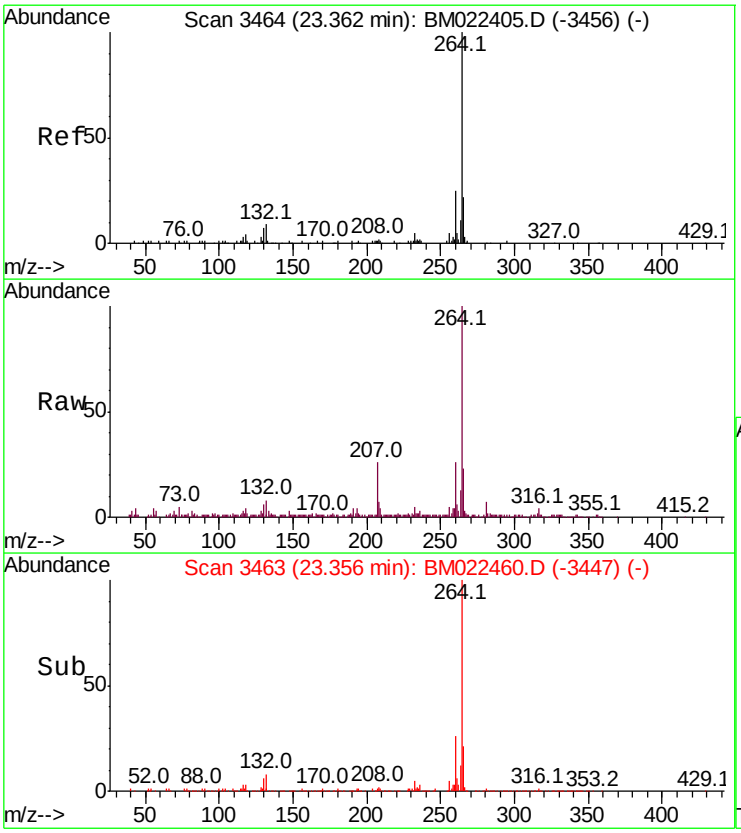
#83
Chrysene
Concen: 2.864 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion:228 Resp: 33588

Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.5	36.7
229	28.5	15.7	23.5#

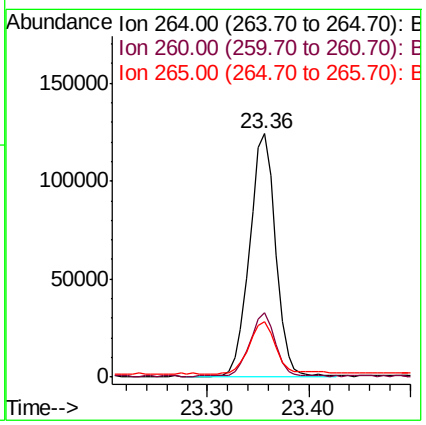


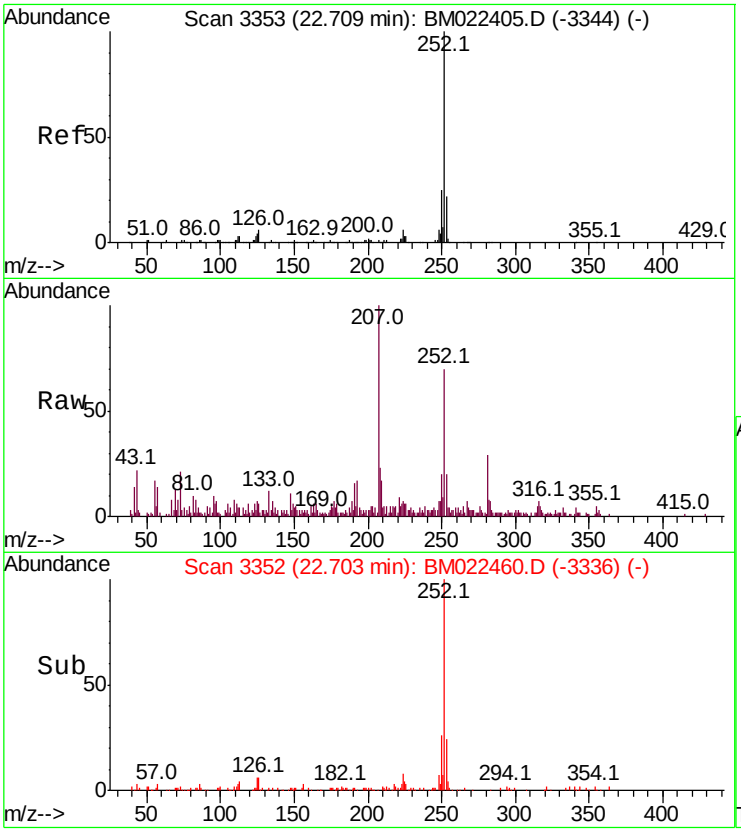


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.36 min Scan# 3463
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:264 Resp: 220065

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.2	30.2
265	22.5	18.2	27.2





#88
Benzo(b)fluoranthene
Concen: 2.584 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tgt Ion:252 Resp: 39498

Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.9	26.9#
125	10.1	3.5	5.3#