Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050517\
Data File : BE092930.D
Acq On : 5 May 2017 15:00
Operator : SJ/MA
Sample : I2872-16DL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PT-PAH-SOILDL

Quant Time: May 05 15:58:16 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 14:05:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	774	0.40	ng		0.00
7) Naphthalene-d8	10.53	136	3303	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	1588	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	3992	0.40	ng		0.00
26) Chrysene-d12	21.28	240	4528	0.40	ng		0.00
33) Perylene-d12	23.69	264	3894	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	59	0.03	ng		0.00
5) Phenol-d6	6.94	99	88	0.04	ng		0.00
8) Nitrobenzene-d5	8.90	82	83	0.04	ng		0.00
11) 2-Methylnaphthalene-d10	12.13	152	158	0.03	ng		0.00
14) 2,4,6-Tribromophenol	15.87	330	15	0.06	ng		0.00
15) 2-Fluorobiphenyl	13.01	172	265	0.04	ng		0.00
24) Fluoranthene-d10	19.15	212	307	0.03	ng		0.00
28) Terphenyl-d14	19.74	244	325	0.04	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.58	128	9272	1.05	ng	#	83
12) 2-Methylnaphthalene	12.19	142	2857	0.53	ng		95
16) Acenaphthylene	14.10	152	23130	0.92	ng		99
17) Acenaphthene	14.45	154	1520	0.30	ng		98
18) Fluorene	15.43	166	2532	0.41	ng		98
21) Pentachlorophenol	16.81	266	4	0.16	ng		95
22) Phenanthrene	17.18	178	10779	0.96	ng		97
23) Anthracene	17.27	178	16044	1.87	ng		99
25) Fluoranthene	19.17	202	36427	0.75	ng	#	98
27) Pyrene	19.53	202	36897	0.63	ng	#	98
29) Benzo(a)anthracene	21.32	228	13392	1.26	ng	#	83
30) Chrysene	21.32	228	13432	0.99	ng	#	82
31) Bis(2-ethylhexyl)phthalate	21.20	149	635	0.22	ng	#	84
32) Indeno(1,2,3-cd)pyrene	26.22	276	43868	0.90	ng		99
34) Benzo(b)fluoranthene	22.95	252	3806	0.30	ng	#	84
35) Benzo(k)fluoranthene	22.99	252	7959	0.63	ng	#	80
36) Benzo(a)pyrene	23.58	252	1686	0.16	ng	#	81
37) Dibenzo(a,h)anthracene	26.25	278	9773	0.83	ng	#	73
38) Benzo(g,h,i)perylene	27.00	276	28709	0.58	ng	#	78

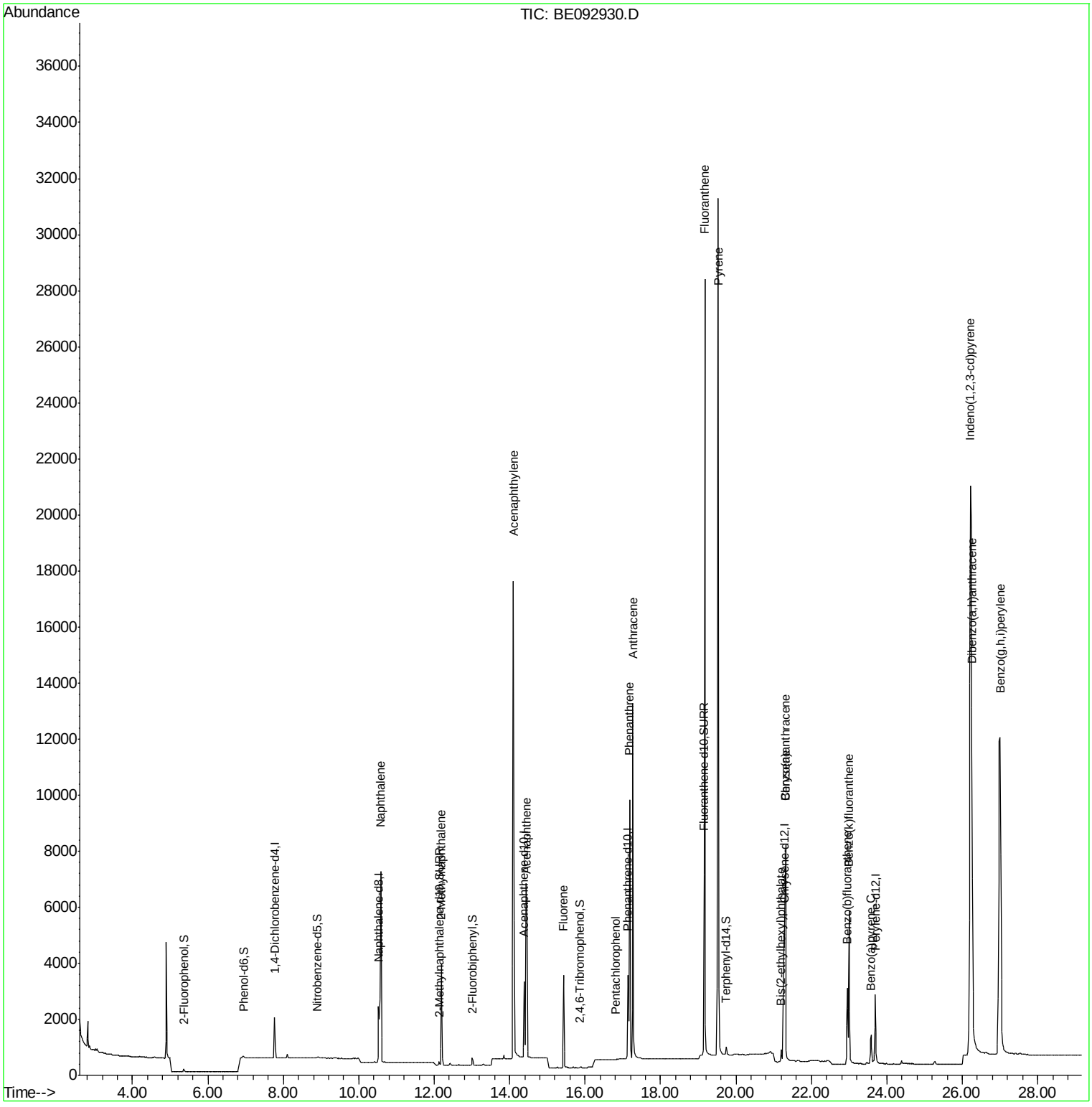
(#) = qualifier out of range (m) = manual integration (+) = signals summed

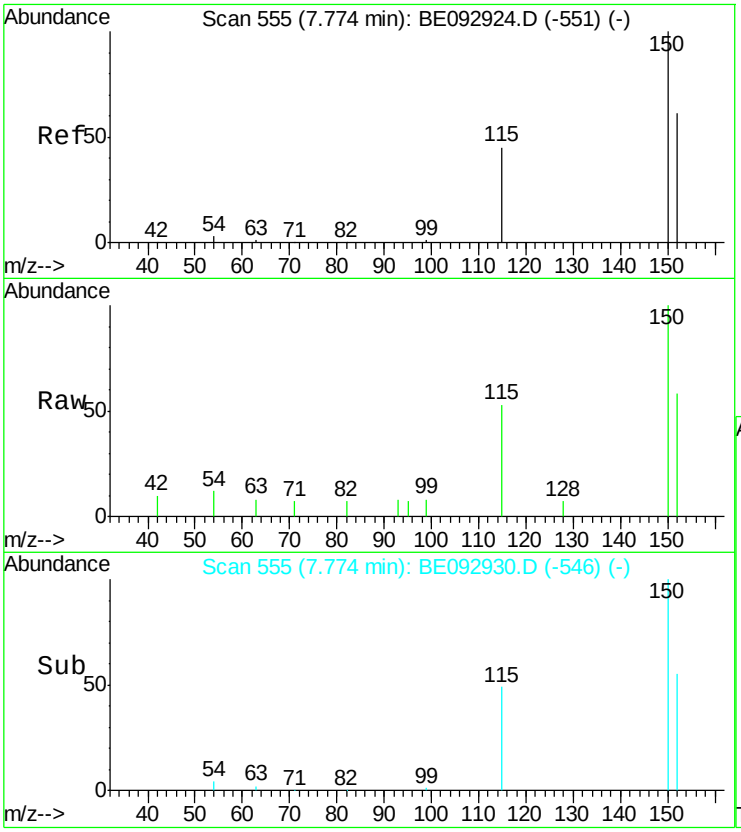
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050517\
Data File : BE092930.D
Acq On : 5 May 2017 15:00
Operator : SJ/MA
Sample : I2872-16DL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Quant Time: May 05 15:58:16 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 14:05:07 2017
Response via : Initial Calibration



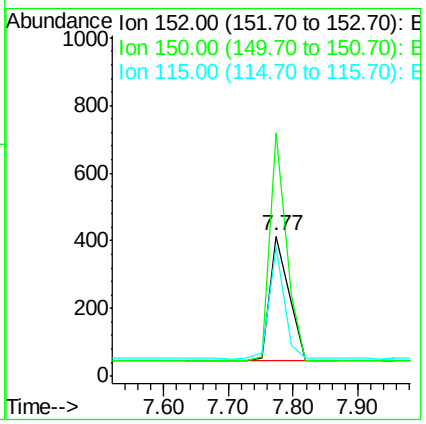


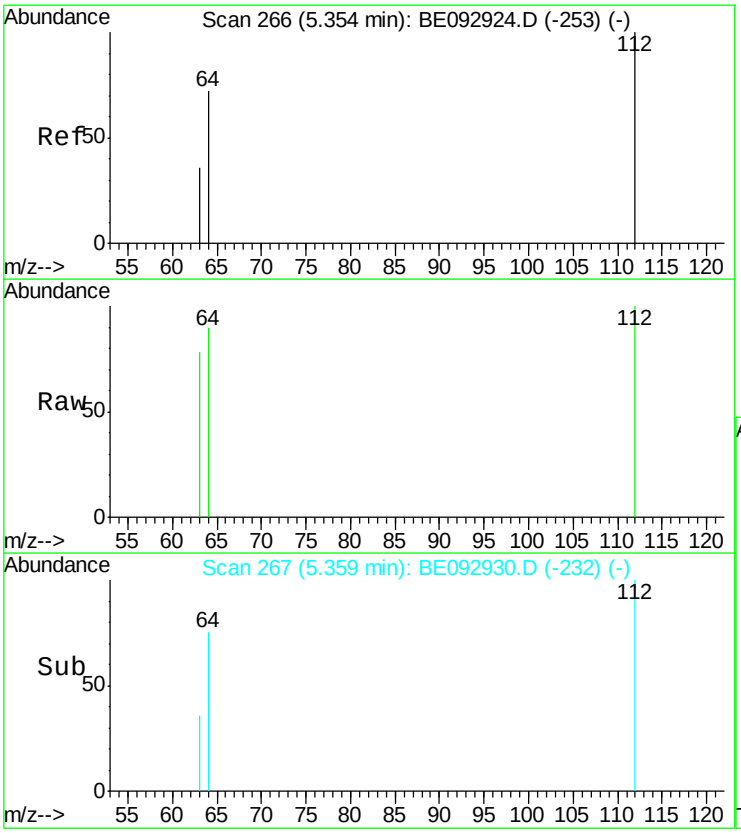
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.77 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:152 Resp: 774

Ion	Ratio	Lower	Upper
152	100		
150	173.3	129.9	194.9
115	92.0	62.6	93.8

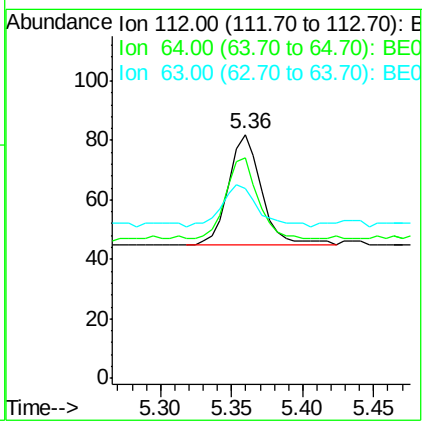


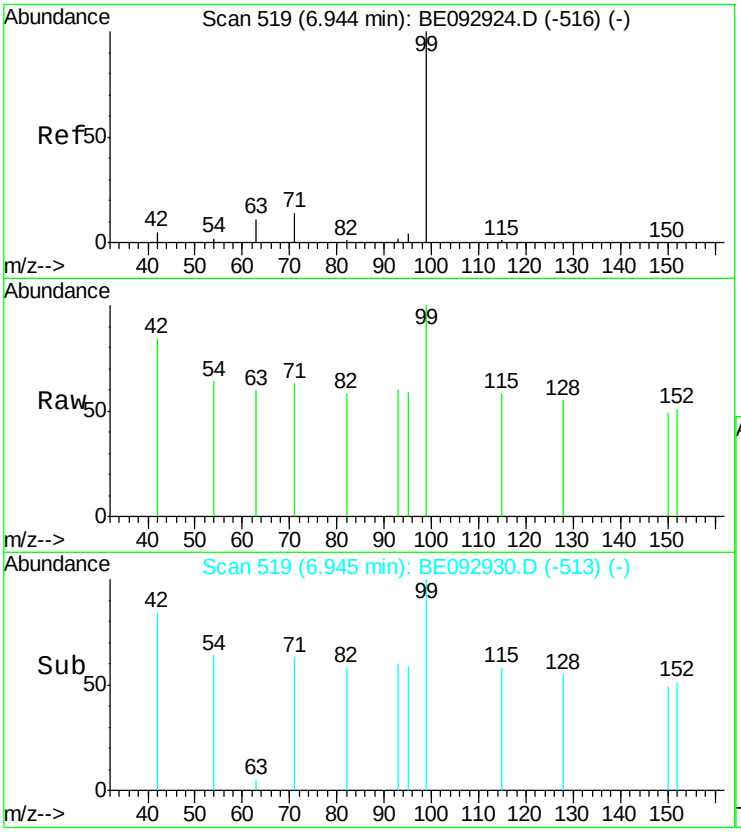


#4
2-Fluorophenol
Concen: 0.03 ng
RT: 5.36 min Scan# 267
Delta R.T. 0.01 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:112 Resp: 59

Ion	Ratio	Lower	Upper
112	100		
64	71.2	52.6	79.0
63	40.7	29.0	43.4



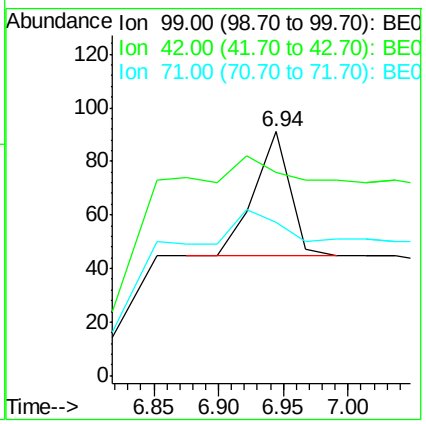


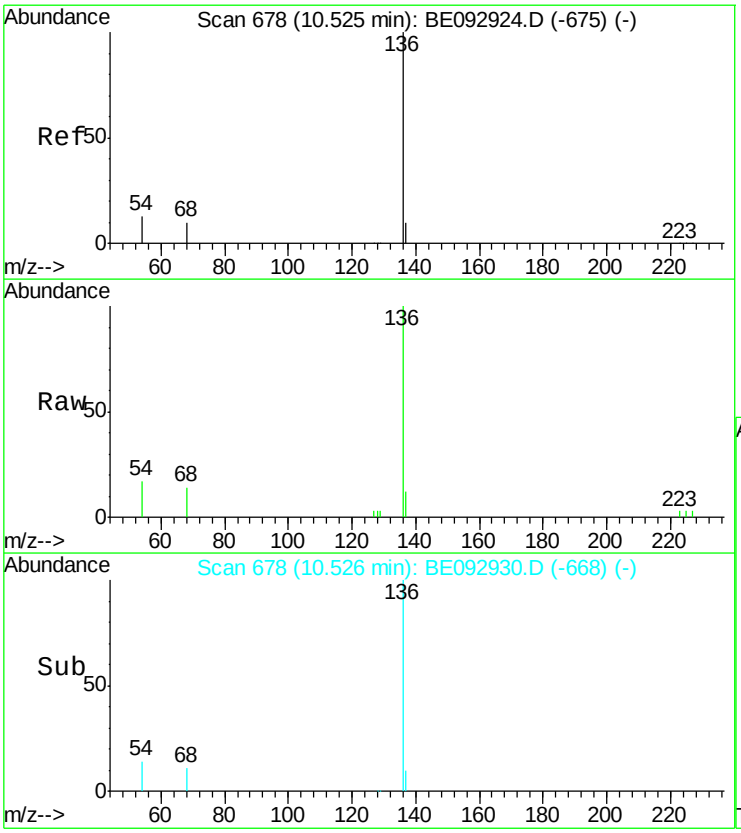
#5
Phenol-d6
Concen: 0.04 ng
RT: 6.94 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion: 99 Resp: 88

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	0.0	0.0	0.0

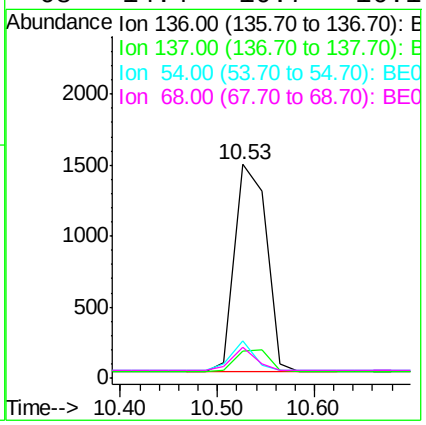


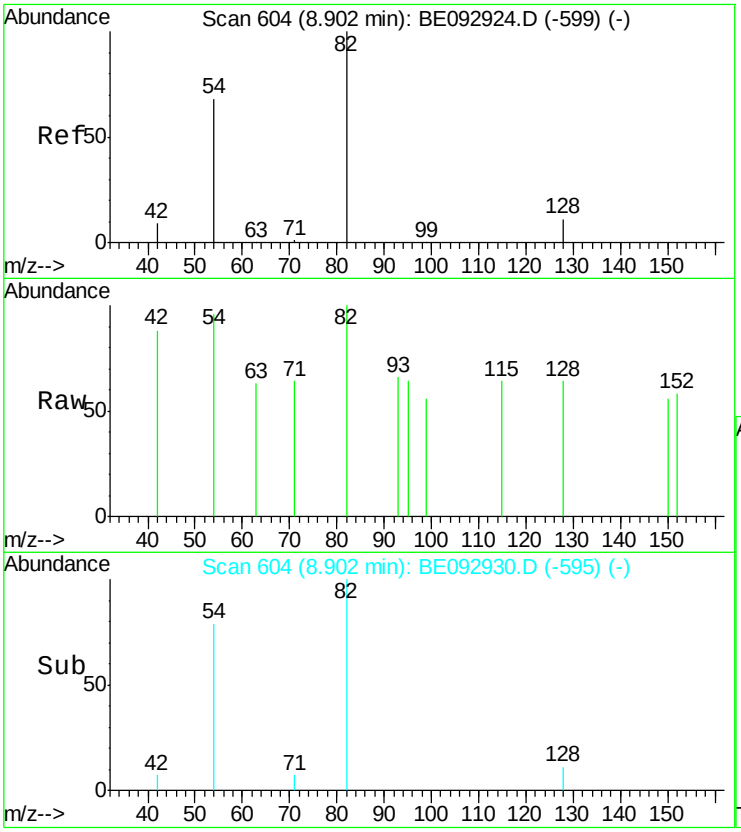


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.53 min Scan# 678
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:136 Resp: 3303

Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.4	15.6
54	17.1	12.6	18.8
68	14.4	10.7	16.1



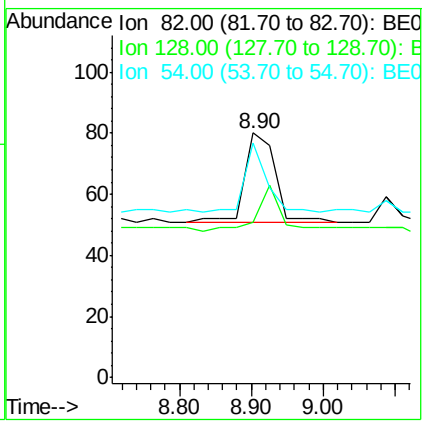


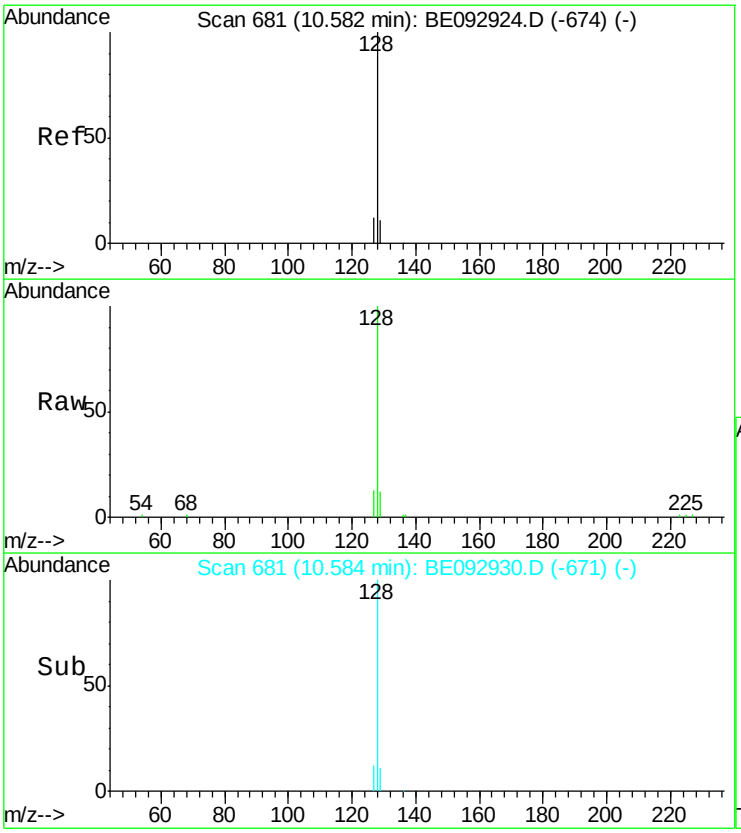
#8
Nitrobenzene-d5
Concen: 0.04 ng
RT: 8.90 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion: 82 Resp: 83

Ion	Ratio	Lower	Upper
82	100		
128	63.8	35.3	52.9#
54	96.3	65.1	97.7

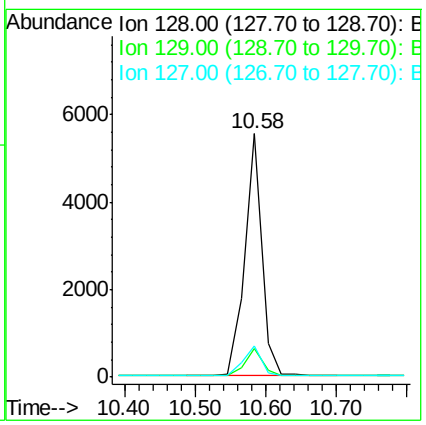


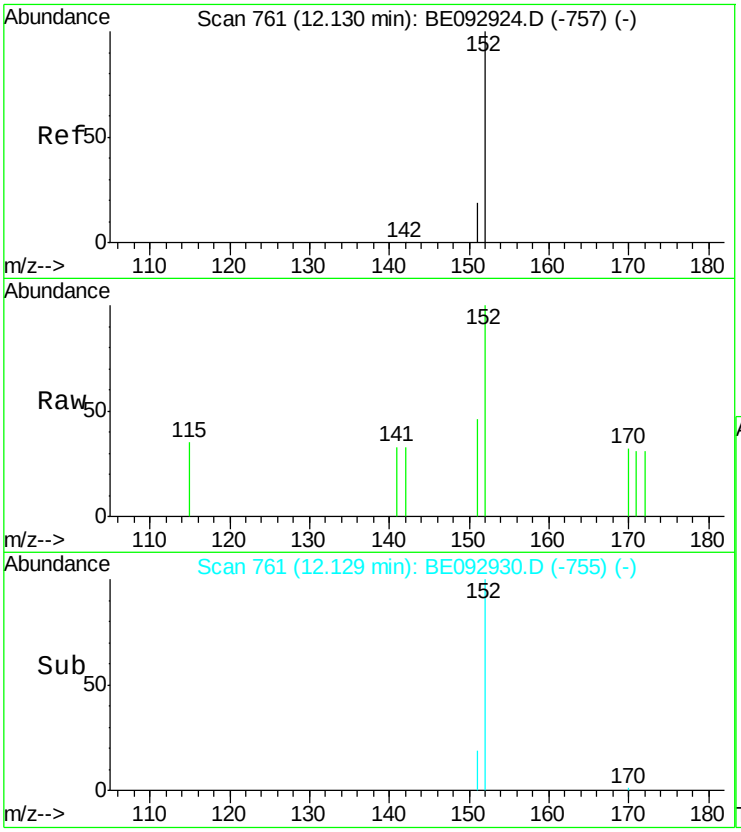


#9
Naphthalene
Concen: 1.05 ng
RT: 10.58 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:128 Resp: 9272

Ion	Ratio	Lower	Upper
128	100		
129	11.8	15.8	23.8#
127	12.8	16.0	24.0#



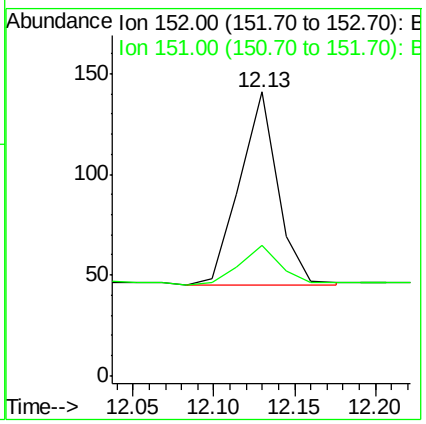


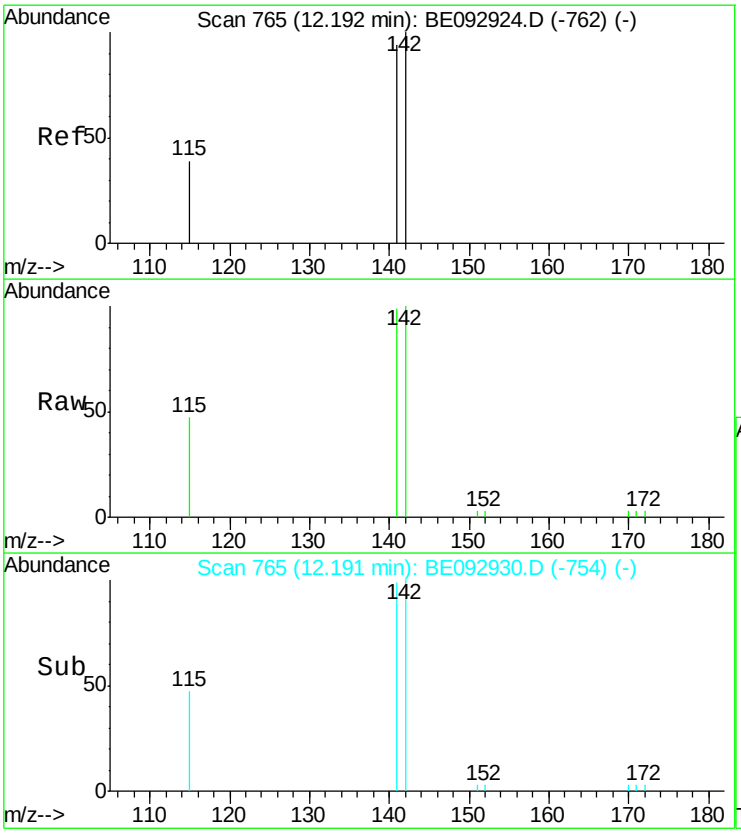
#11
2-Methylnaphthalene-d10
Concen: 0.03 ng
RT: 12.13 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:152 Resp: 158

Ion	Ratio	Lower	Upper
152	100		
151	22.2	15.7	23.5

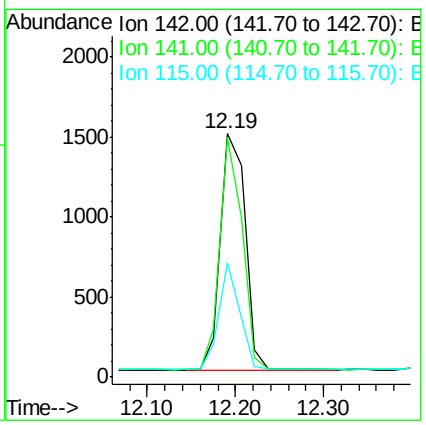


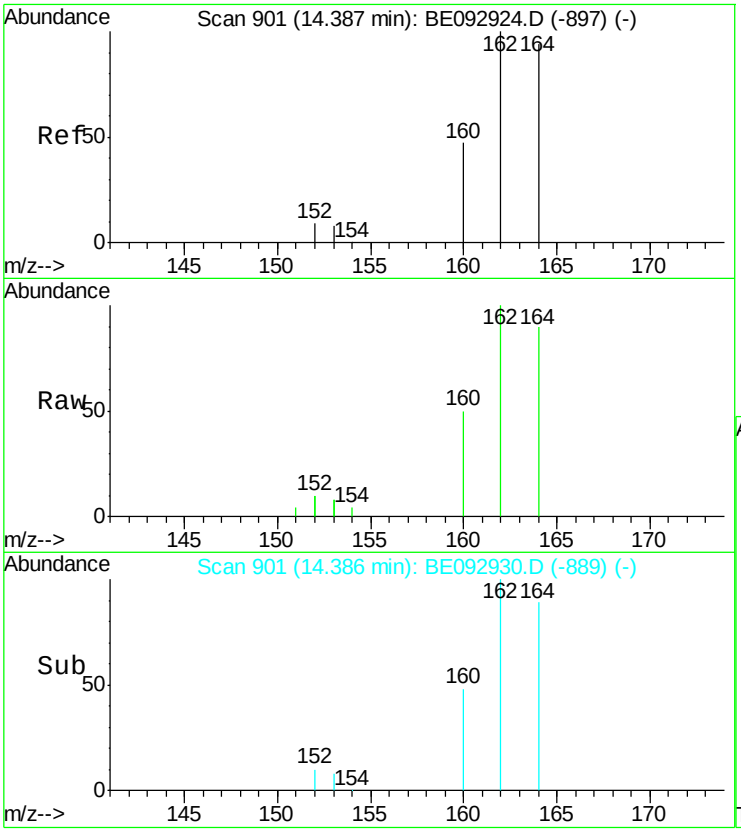


#12
2-Methylnaphthalene
Concen: 0.53 ng
RT: 12.19 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:142 Resp: 2857

Ion	Ratio	Lower	Upper
142	100		
141	98.6	76.0	114.0
115	46.9	41.6	62.4



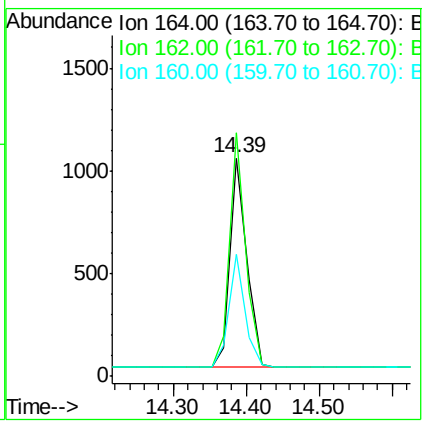


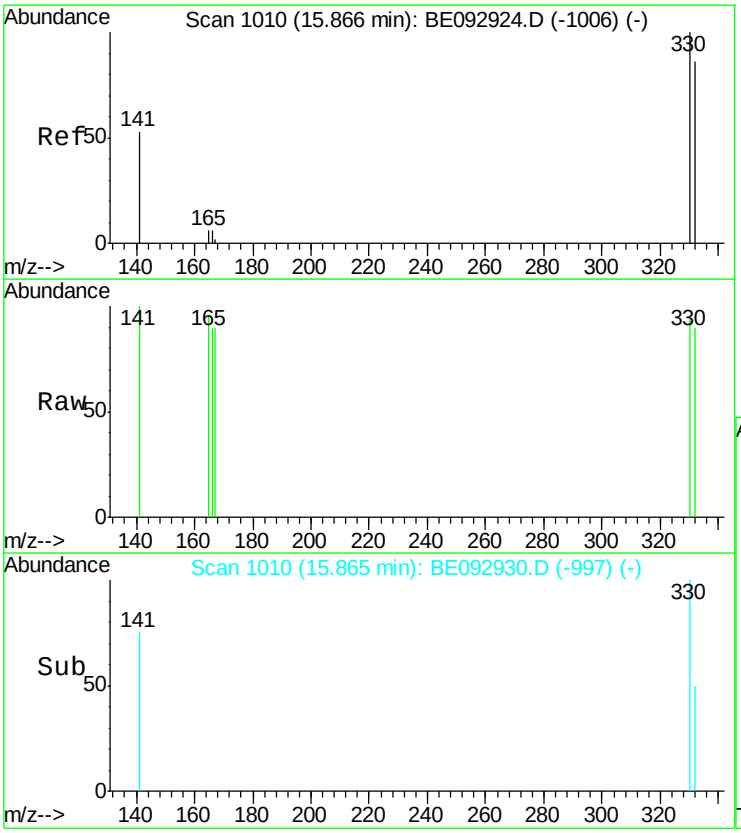
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:164 Resp: 1588

Ion	Ratio	Lower	Upper
164	100		
162	111.7	86.6	130.0
160	55.8	44.5	66.7

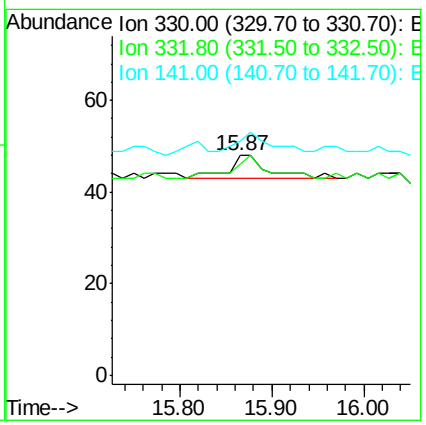


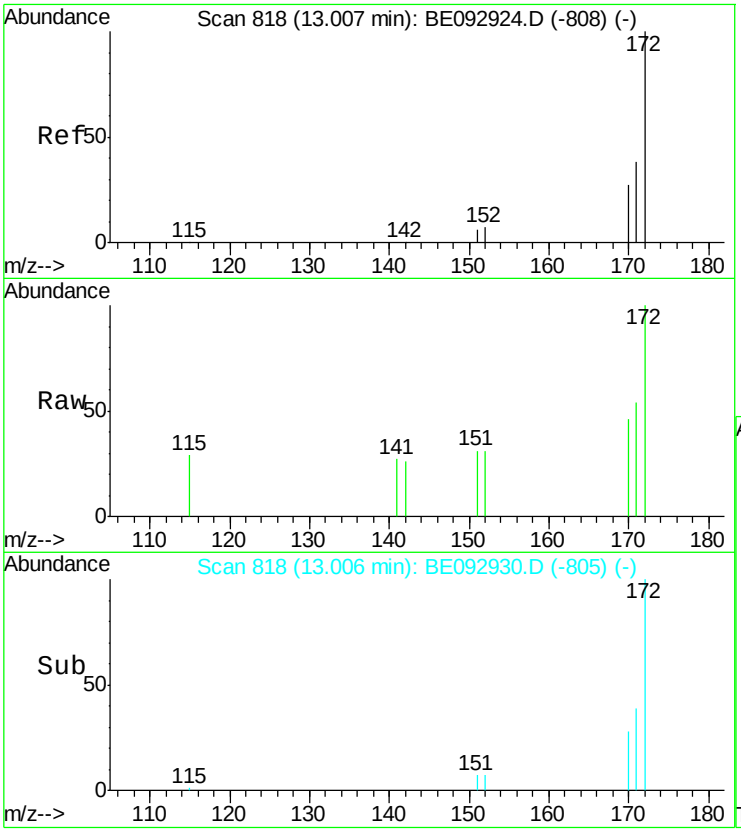


#14
2,4,6-Tribromophenol
Concen: 0.06 ng
RT: 15.87 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:330 Resp: 15

Ion	Ratio	Lower	Upper
330	100		
332	86.7	69.1	103.7
141	53.3	54.6	81.8#



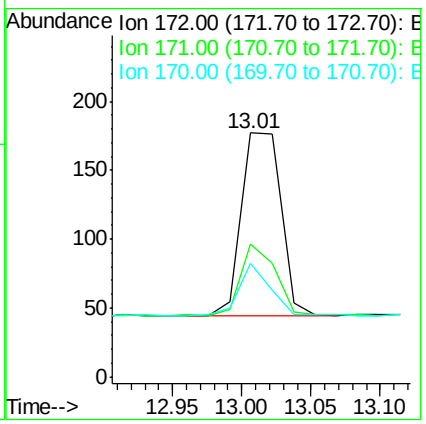


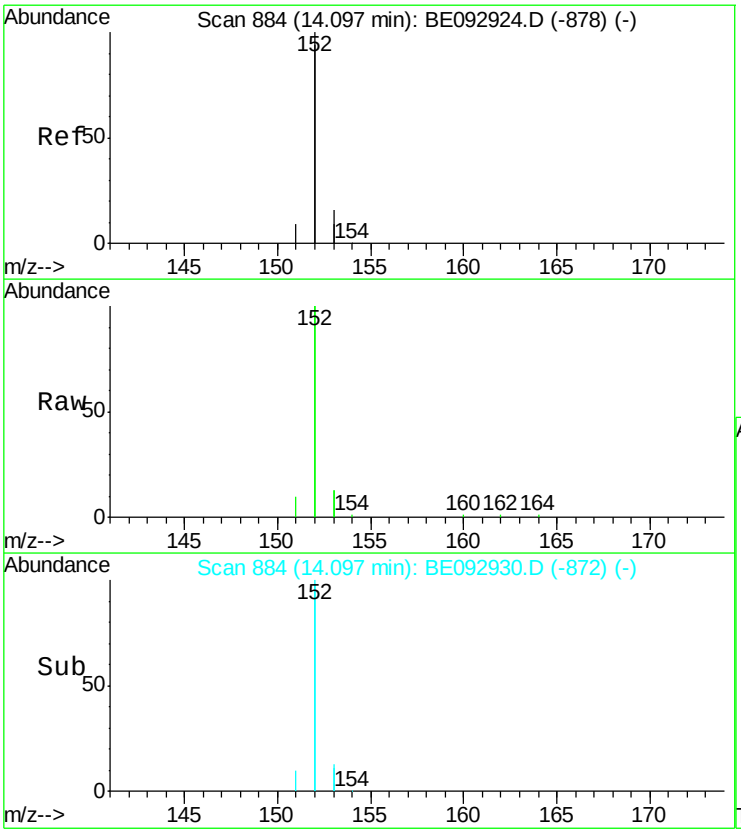
#15
2-Fluorobiphenyl
Concen: 0.04 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:172 Resp: 265

Ion	Ratio	Lower	Upper
172	100		
171	54.2	35.8	53.6#
170	46.3	28.5	42.7#

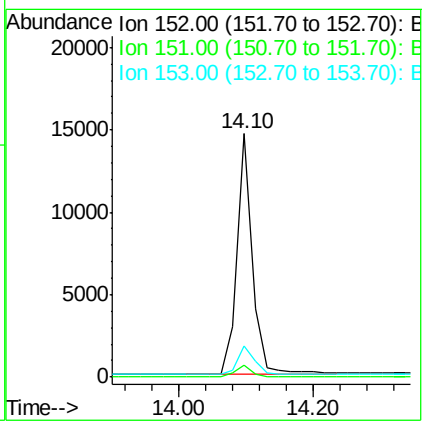


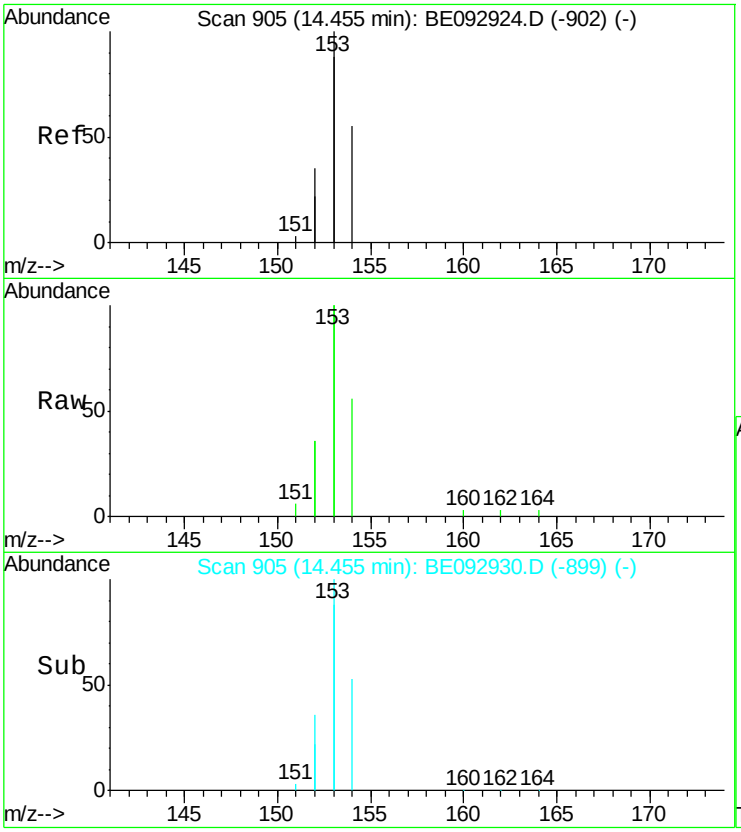


#16
Acenaphthylene
Concen: 0.92 ng
RT: 14.10 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:152 Resp: 23130

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	12.8	10.0	15.0



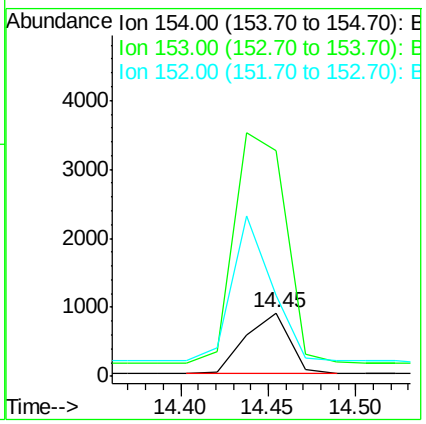


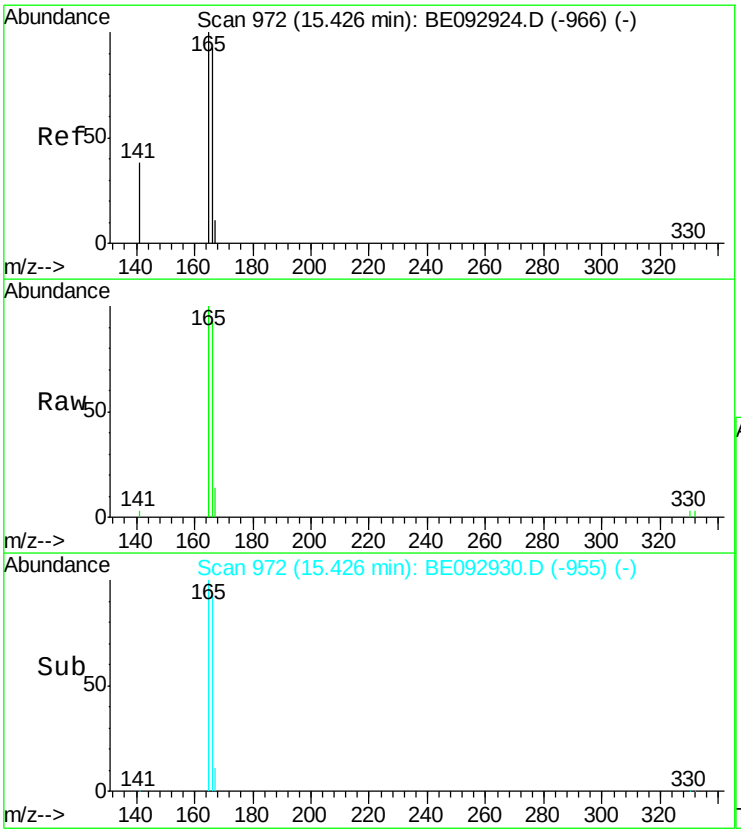
#17
Acenaphthene
Concen: 0.30 ng
RT: 14.45 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:154 Resp: 1520

Ion	Ratio	Lower	Upper
154	100		
153	451.6	355.6	533.4
152	221.3	177.8	266.8

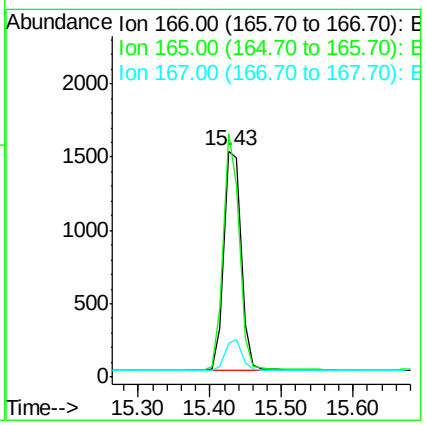


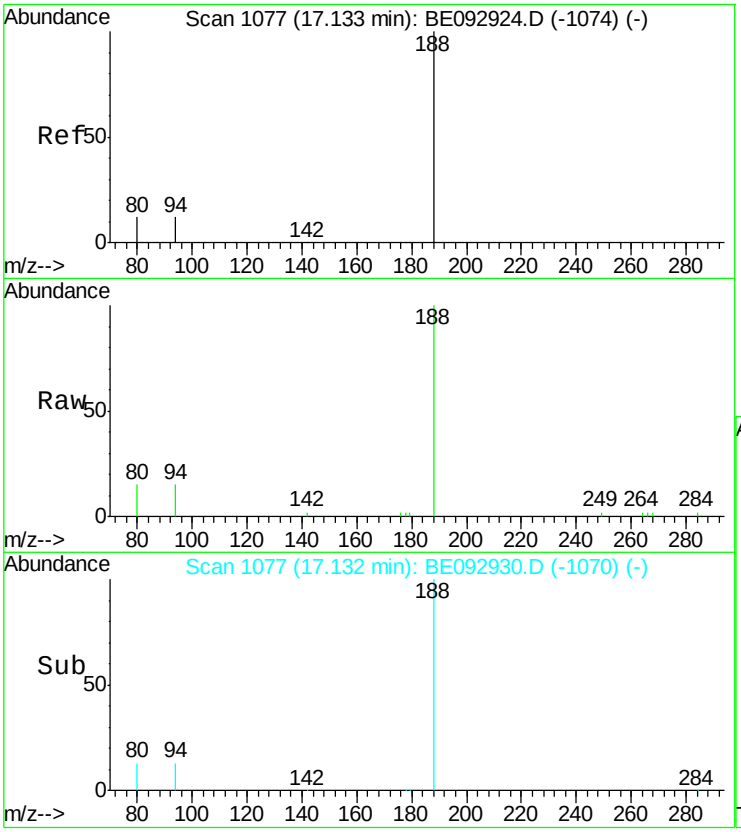


#18
Fluorene
Concen: 0.41 ng
RT: 15.43 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:166 Resp: 2532

Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.7	121.1
167	13.5	11.3	16.9



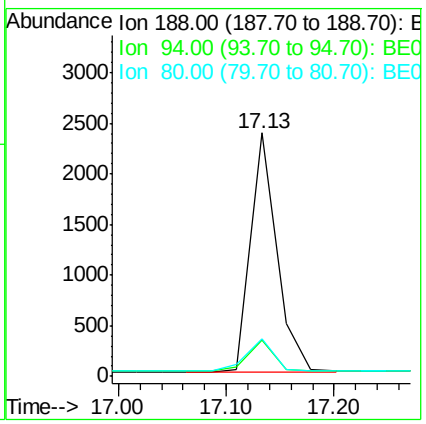


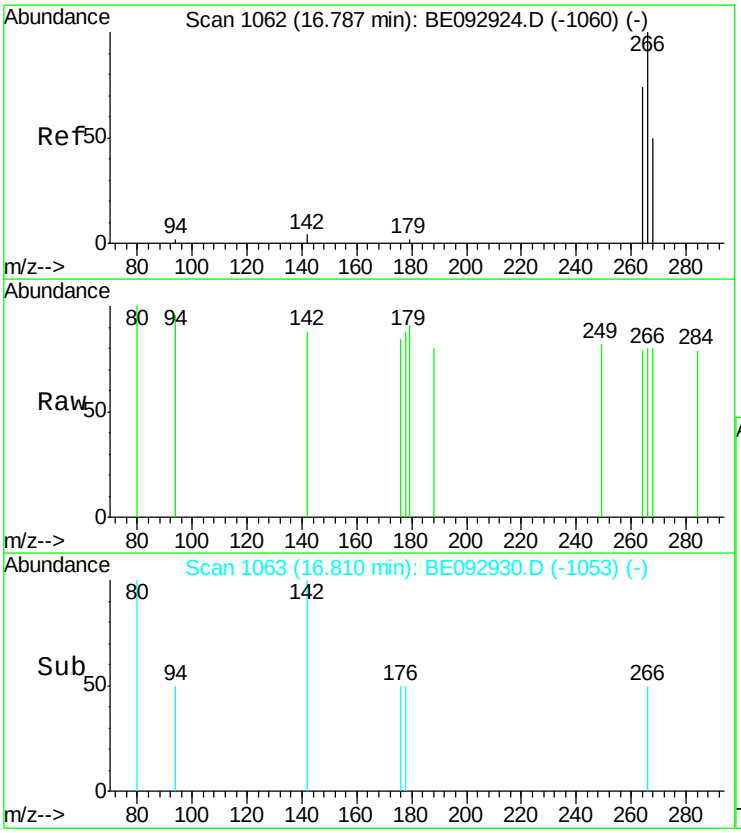
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1077
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:188 Resp: 3992

Ion	Ratio	Lower	Upper
188	100		
94	15.0	10.2	15.4
80	15.3	10.6	15.8

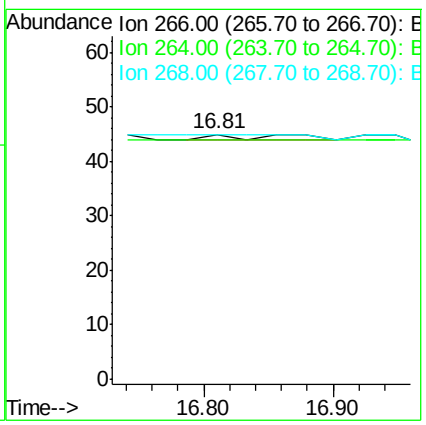


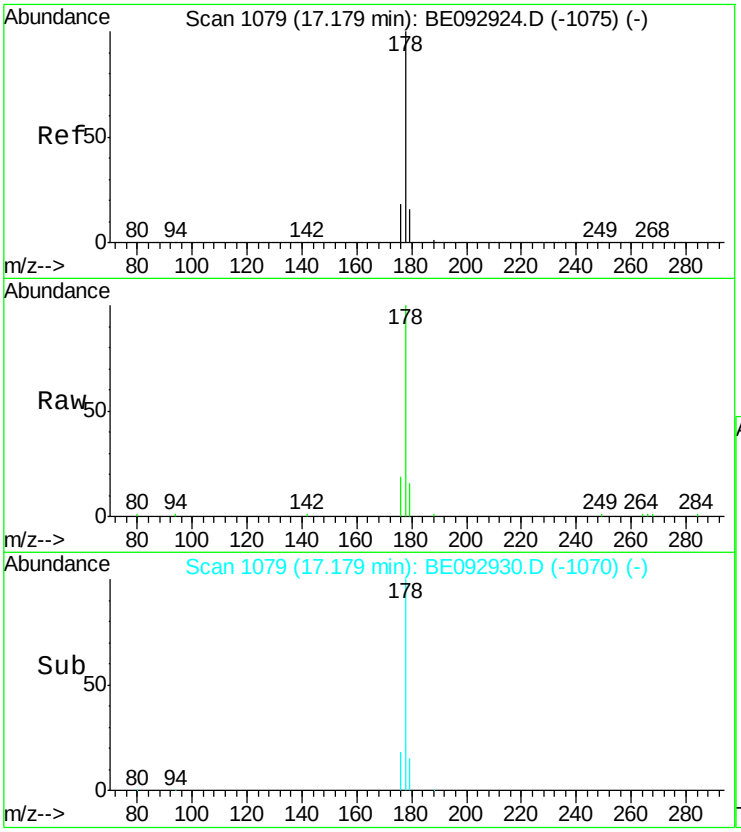


#21
Pentachlorophenol
Concen: 0.16 ng
RT: 16.81 min Scan# 1063
Delta R.T. 0.02 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:266 Resp: 4

Ion	Ratio	Lower	Upper
266	100		
264	97.8	75.4	113.2
268	100.0	75.4	113.2



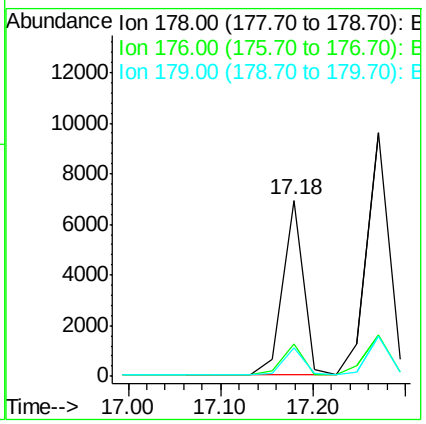


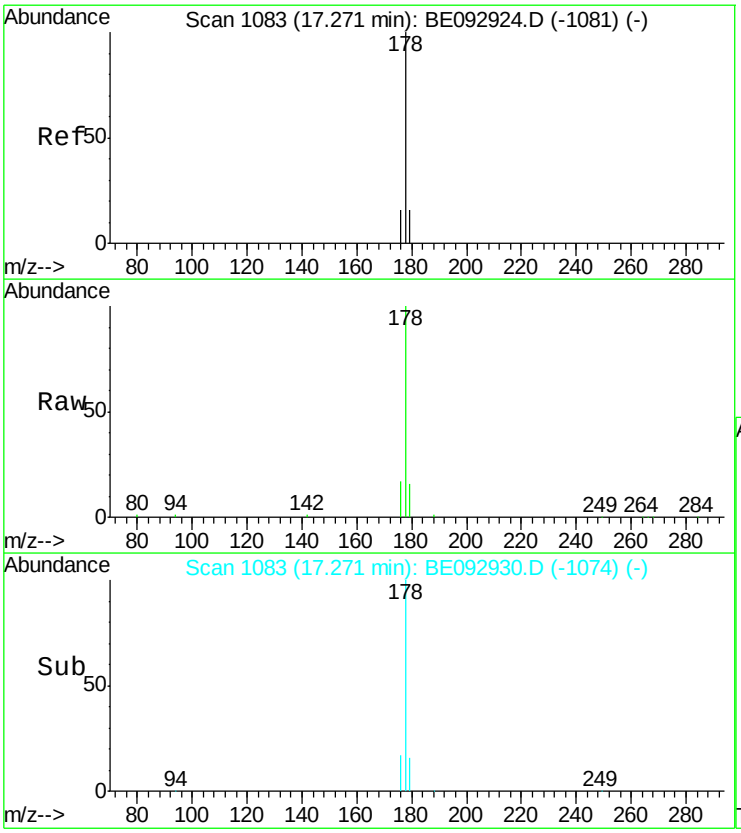
#22
Phenanthrene
Concen: 0.96 ng
RT: 17.18 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:178 Resp: 10779

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.2	21.4
179	15.2	13.6	20.4

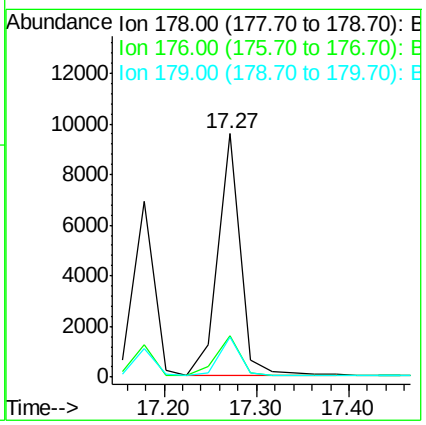


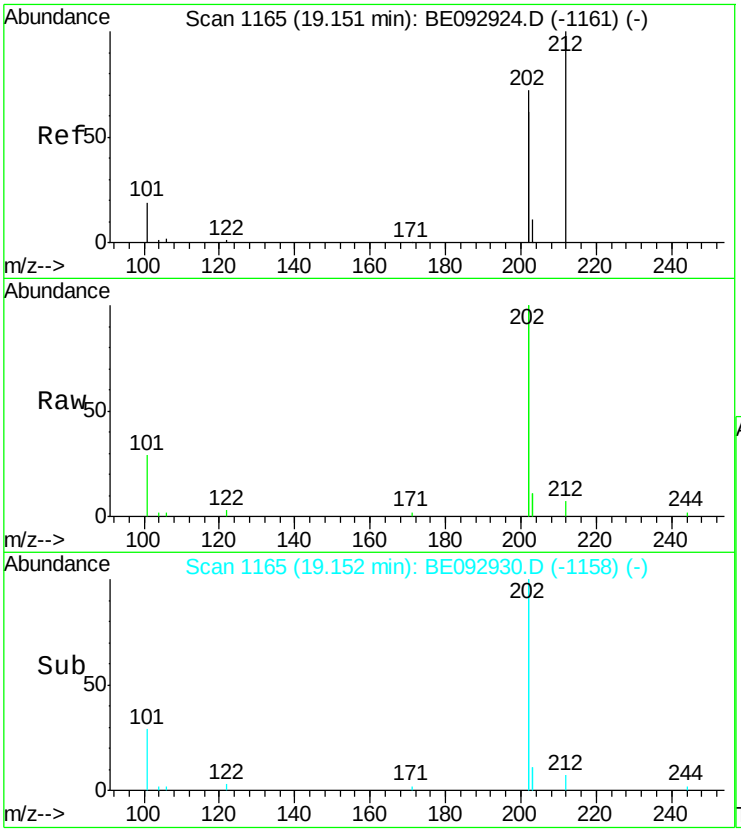


#23
Anthracene
Concen: 1.87 ng
RT: 17.27 min Scan# 1083
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:178 Resp: 16044

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.6	12.8	19.2



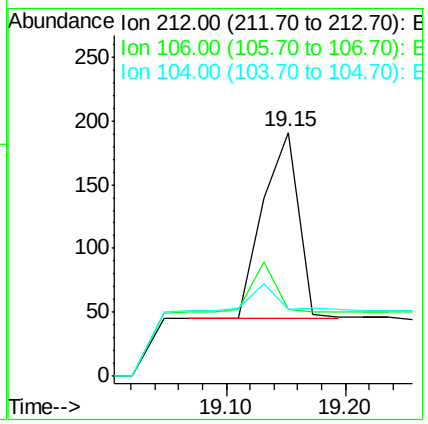


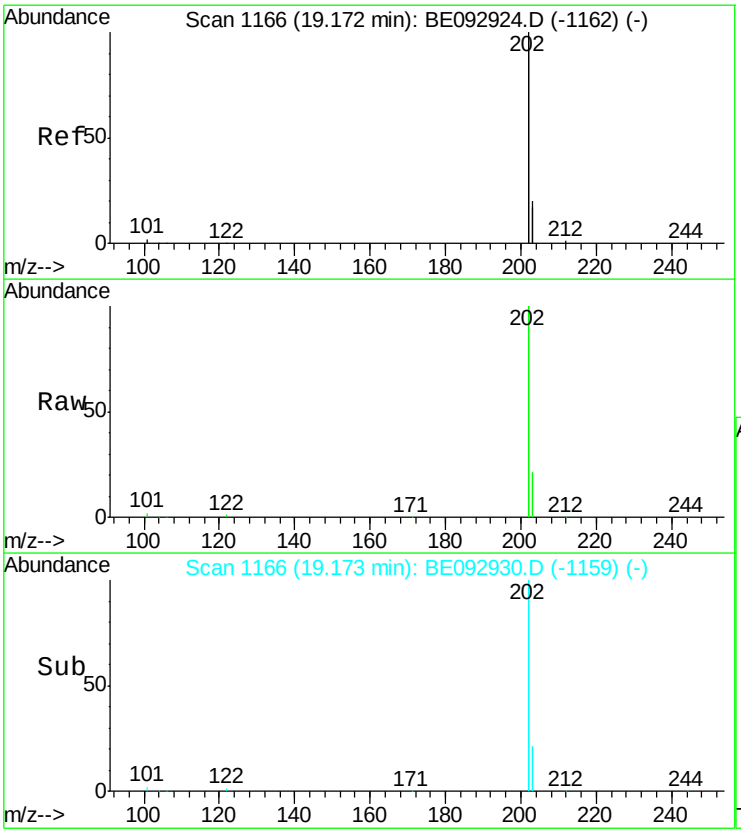
#24
Fluoranthene-d10
Concen: 0.03 ng
RT: 19.15 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:212 Resp: 307

Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	0.0
104	0.0	0.0	0.0

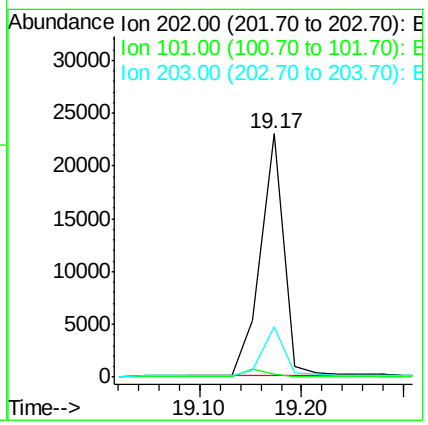


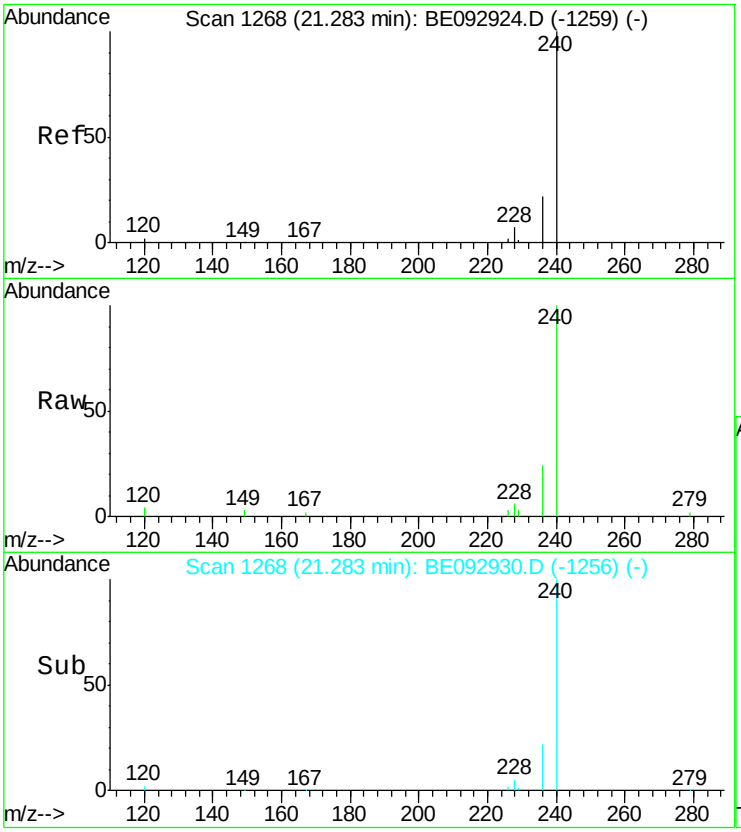


#25
Fluoranthene
Concen: 0.75 ng
RT: 19.17 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:202 Resp: 36427

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	0.0
203	18.2	15.3	22.9



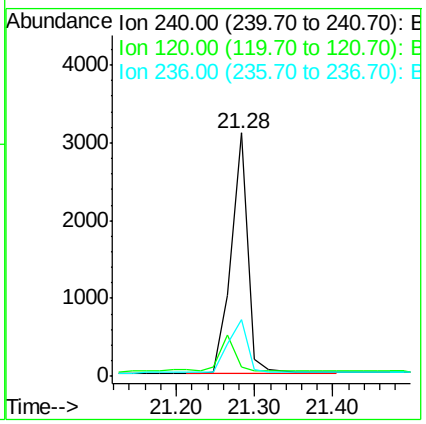


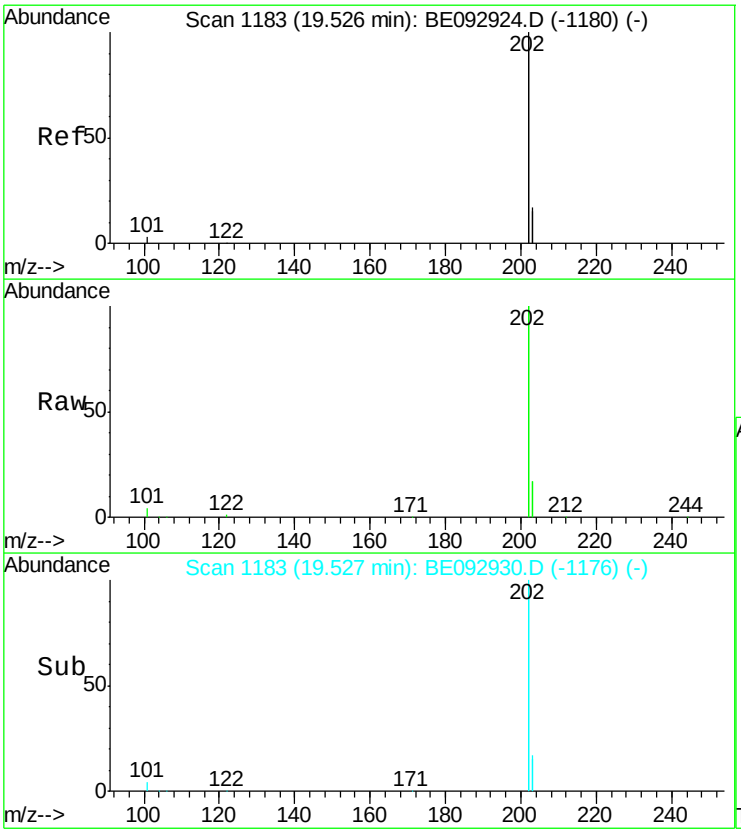
#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:240 Resp: 4528

Ion	Ratio	Lower	Upper
240	100		
120	3.8	4.6	6.8#
236	23.5	19.8	29.8

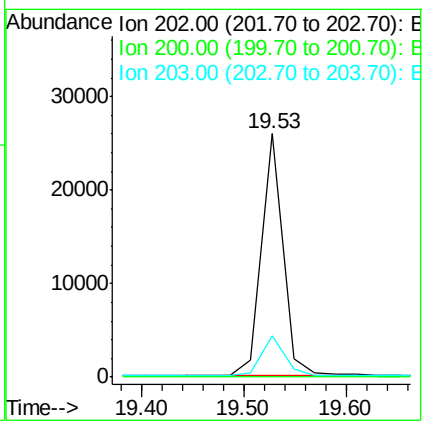


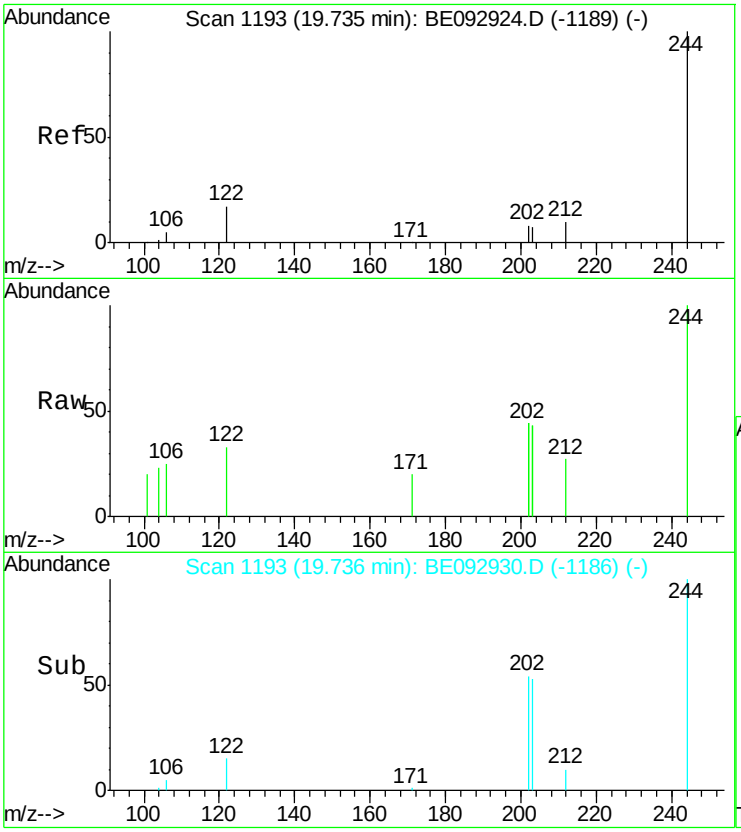


#27
Pyrene
Concen: 0.63 ng
RT: 19.53 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:202 Resp: 36897

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	17.6	13.5	20.3



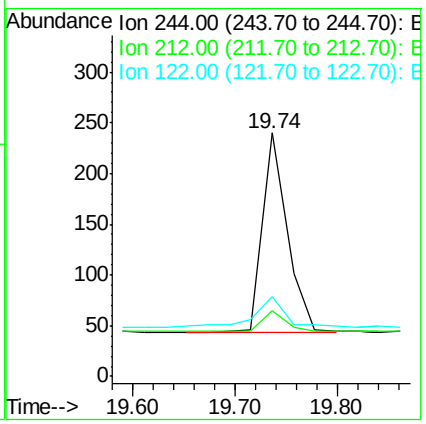


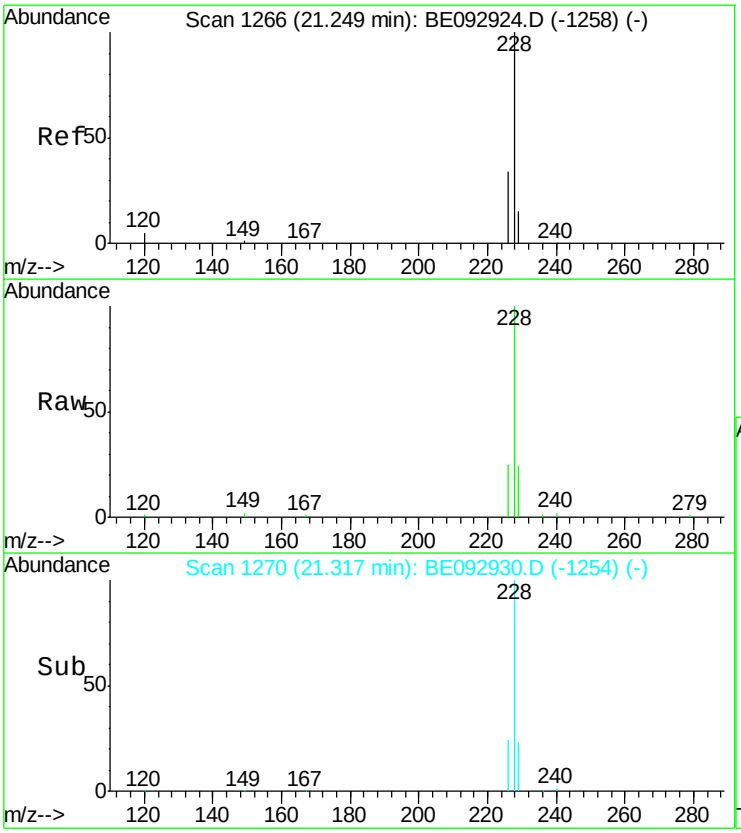
#28
Terphenyl-d14
Concen: 0.04 ng
RT: 19.74 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:244 Resp: 325

Ion	Ratio	Lower	Upper
244	100		
212	27.1	18.4	27.6
122	32.9	23.3	34.9

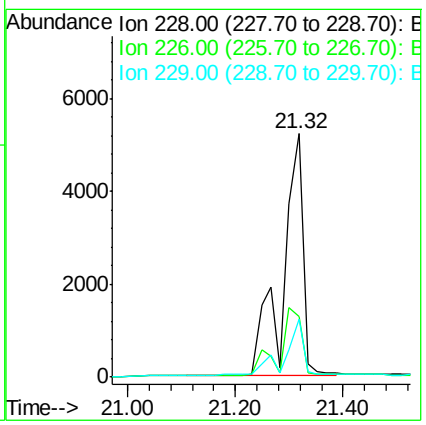


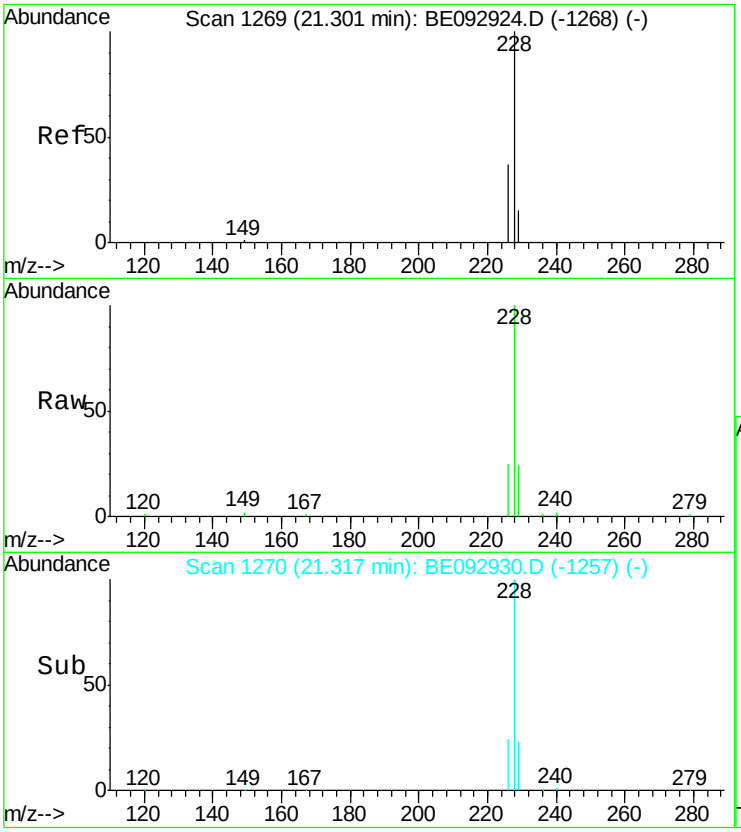


#29
Benzo(a)anthracene
Concen: 1.26 ng
RT: 21.32 min Scan# 1270
Delta R.T. 0.07 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:228 Resp: 13392

Ion	Ratio	Lower	Upper
228	100		
226	25.0	32.0	48.0#
229	23.9	21.4	32.0



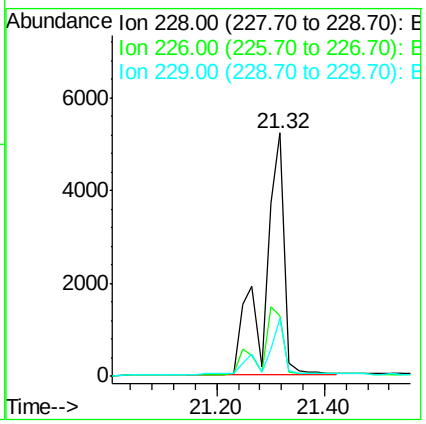


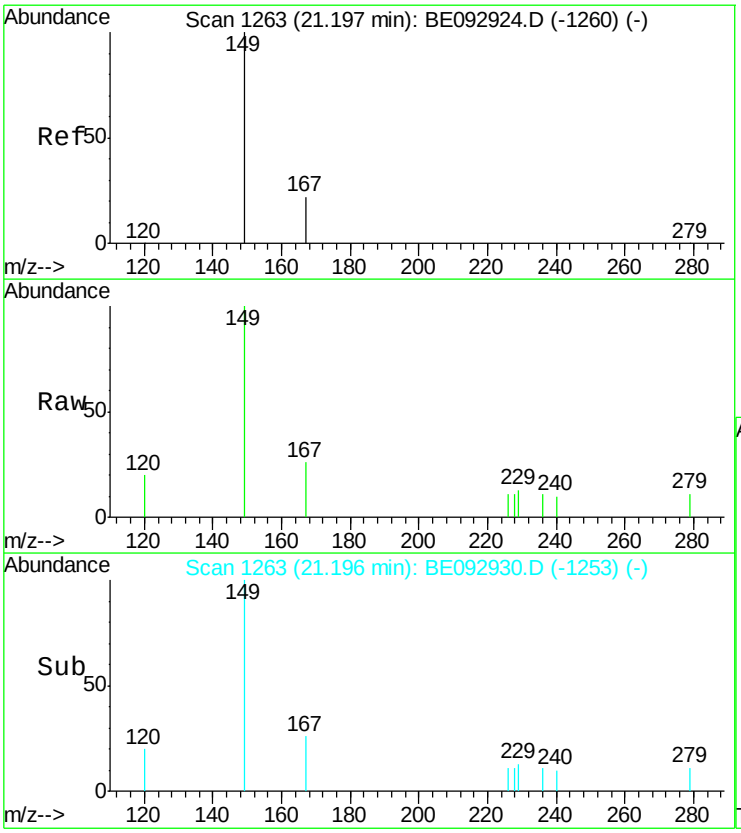
#30
Chrysene
Concen: 0.99 ng
RT: 21.32 min Scan# 1270
Delta R.T. 0.02 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:228 Resp: 13432

Ion	Ratio	Lower	Upper
228	100		
226	25.0	34.2	51.2#
229	23.9	18.6	28.0

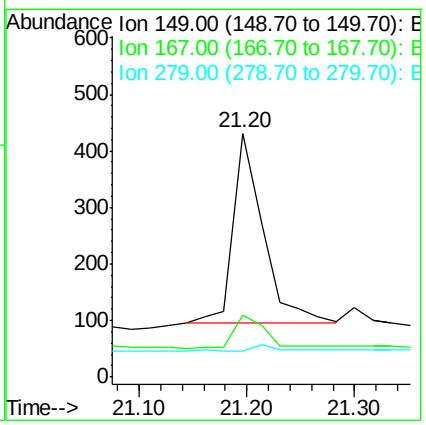


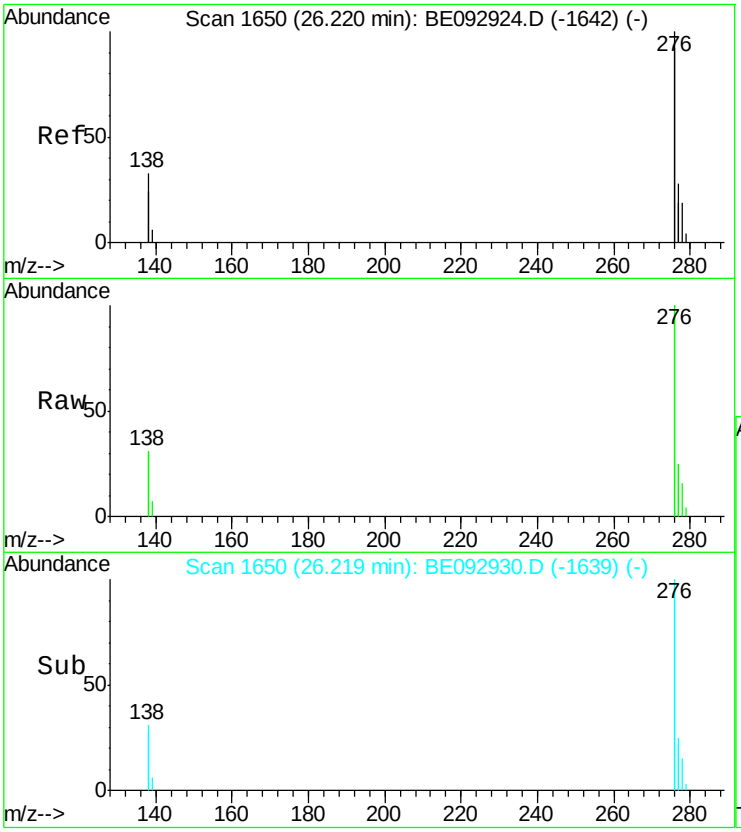


#31
Bis(2-ethylhexyl)phthalate
Concen: 0.22 ng
RT: 21.20 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:149 Resp: 635

Ion	Ratio	Lower	Upper
149	100		
167	17.8	20.9	31.3#
279	0.0	0.0	0.0



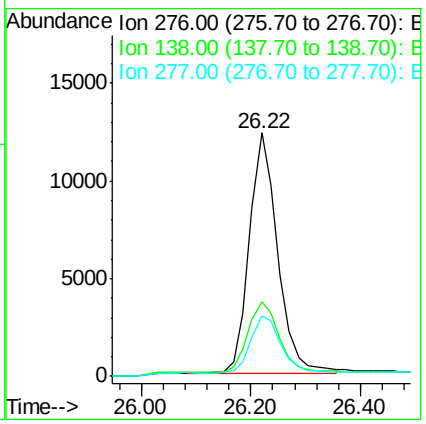


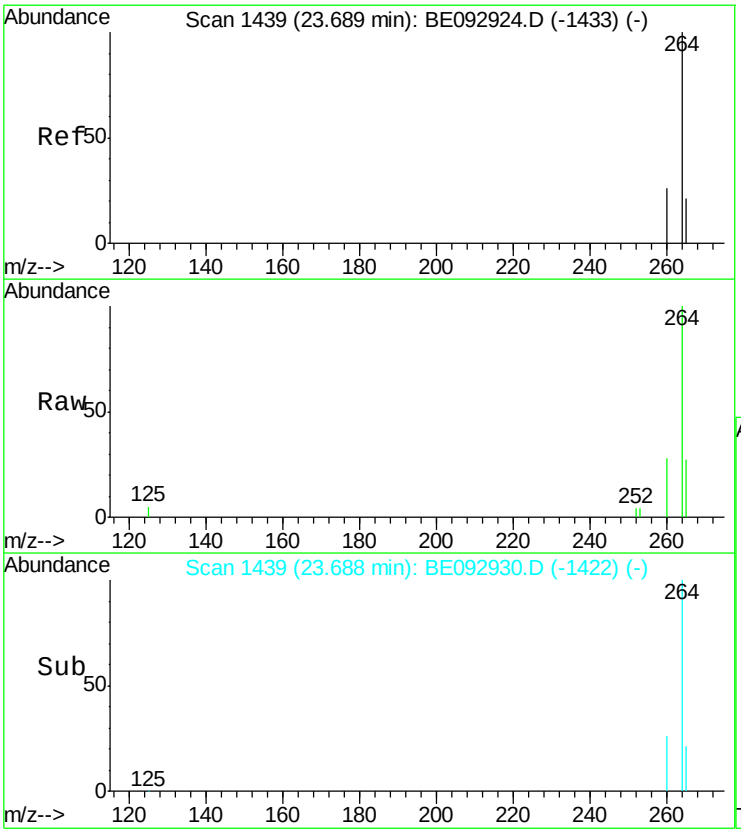
#32
Indeno(1,2,3-cd)pyrene
Concen: 0.90 ng
RT: 26.22 min Scan# 1650
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:276 Resp: 43868

Ion	Ratio	Lower	Upper
276	100		
138	32.7	25.8	38.6
277	25.1	20.2	30.4

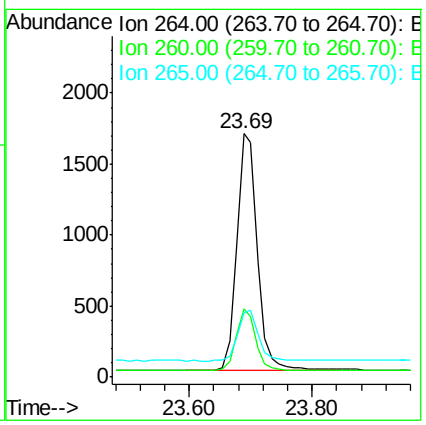


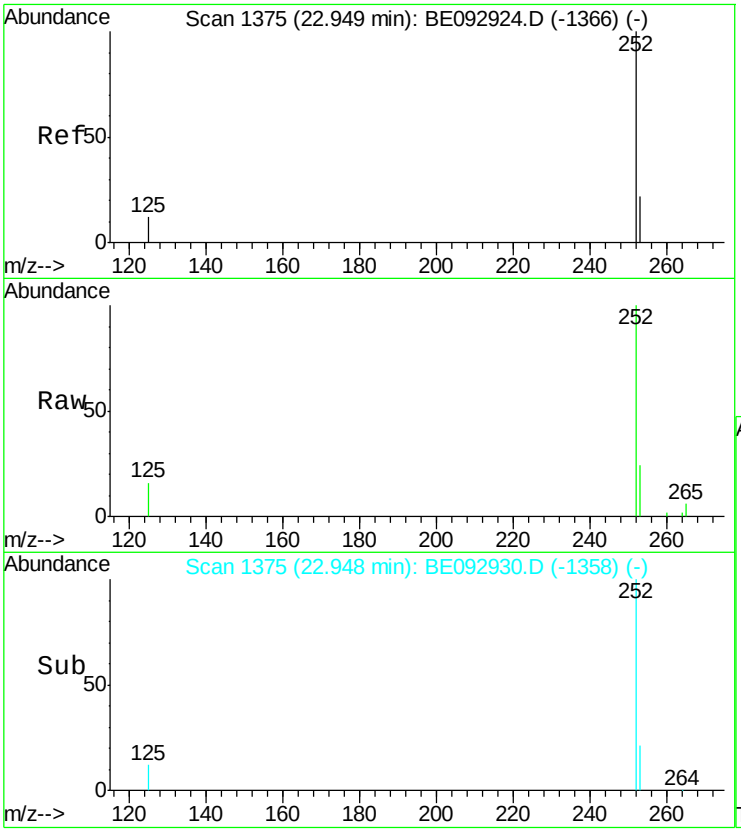


#33
Perylene-d12
Concen: 0.40 ng
RT: 23.69 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:264 Resp: 3894

Ion	Ratio	Lower	Upper
264	100		
260	28.1	23.5	35.3
265	26.7	27.2	40.8#



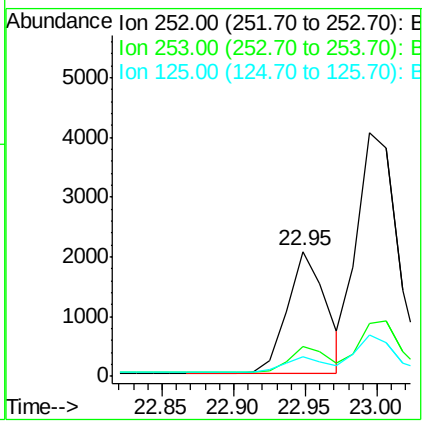


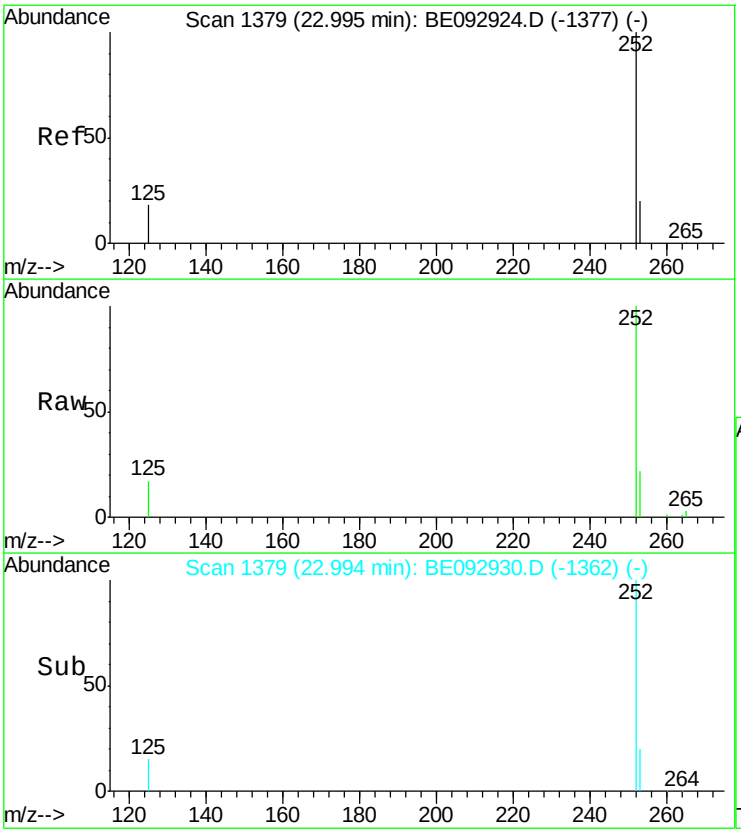
#34
Benzo(b)fluoranthene
Concen: 0.30 ng
RT: 22.95 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:252 Resp: 3806

Ion	Ratio	Lower	Upper
252	100		
253	23.7	24.7	37.1#
125	15.7	20.3	30.5#

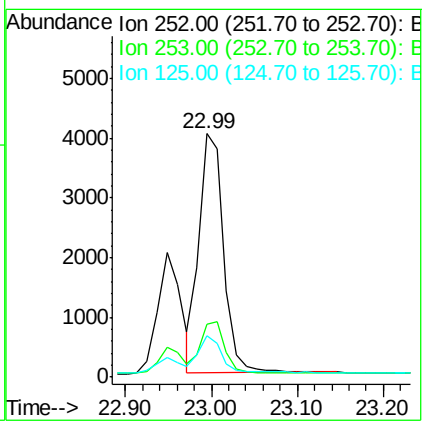


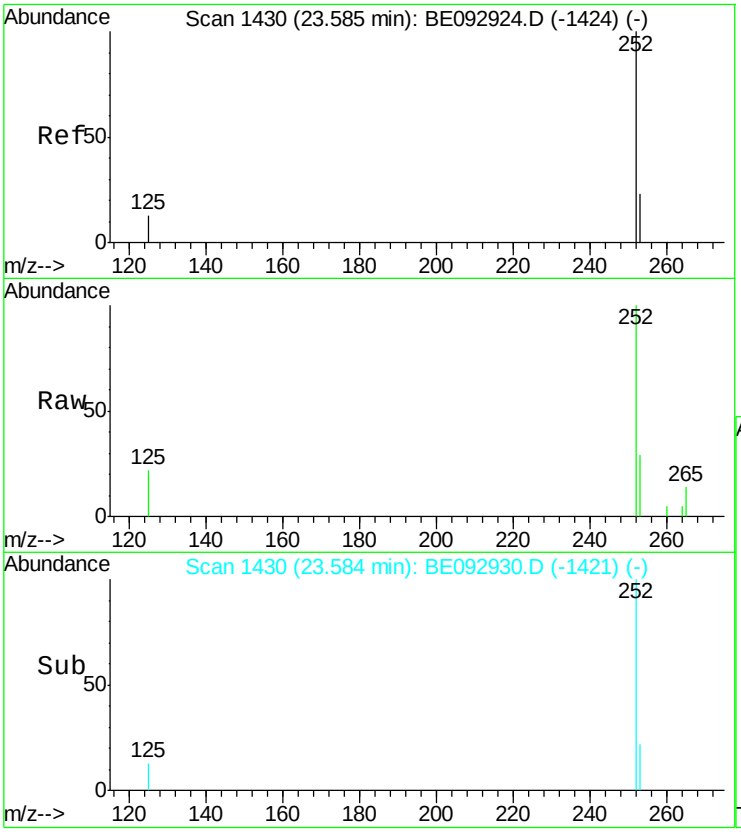


#35
Benzo(k)fluoranthene
Concen: 0.63 ng
RT: 22.99 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:252 Resp: 7959

Ion	Ratio	Lower	Upper
252	100		
253	21.6	25.8	38.8#
125	17.1	22.9	34.3#



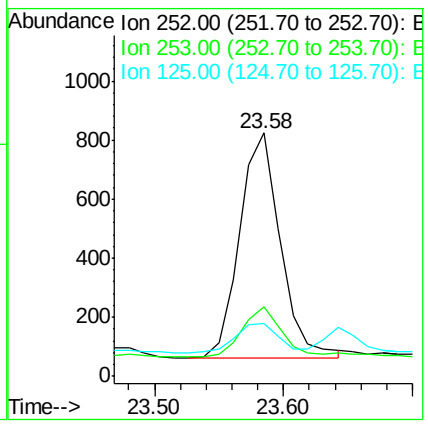


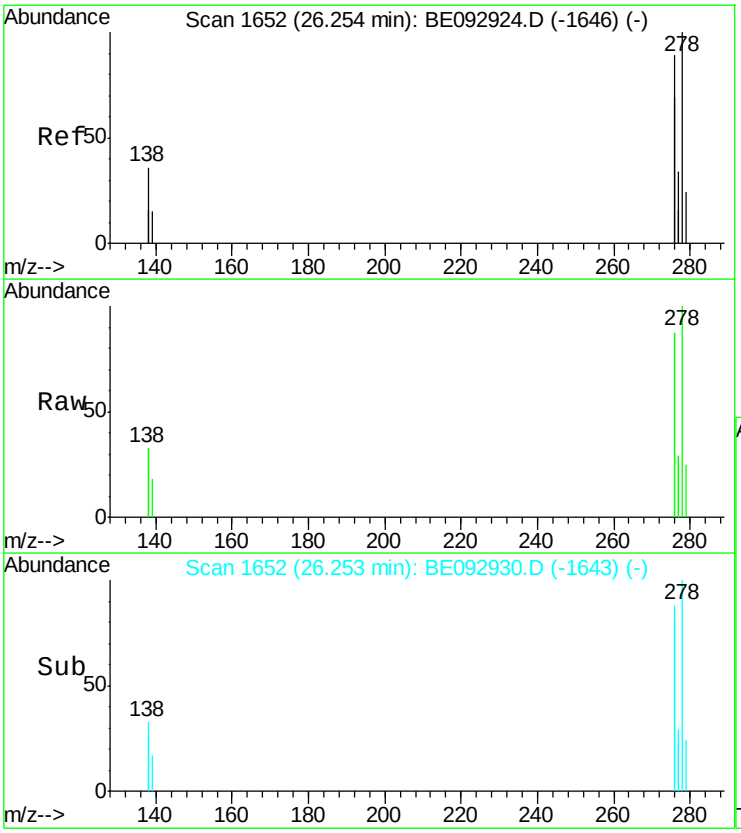
#36
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.58 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:252 Resp: 1686

Ion	Ratio	Lower	Upper
252	100		
253	28.5	31.3	46.9#
125	21.6	26.4	39.6#

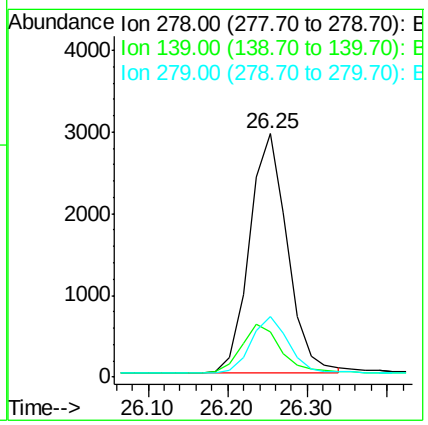


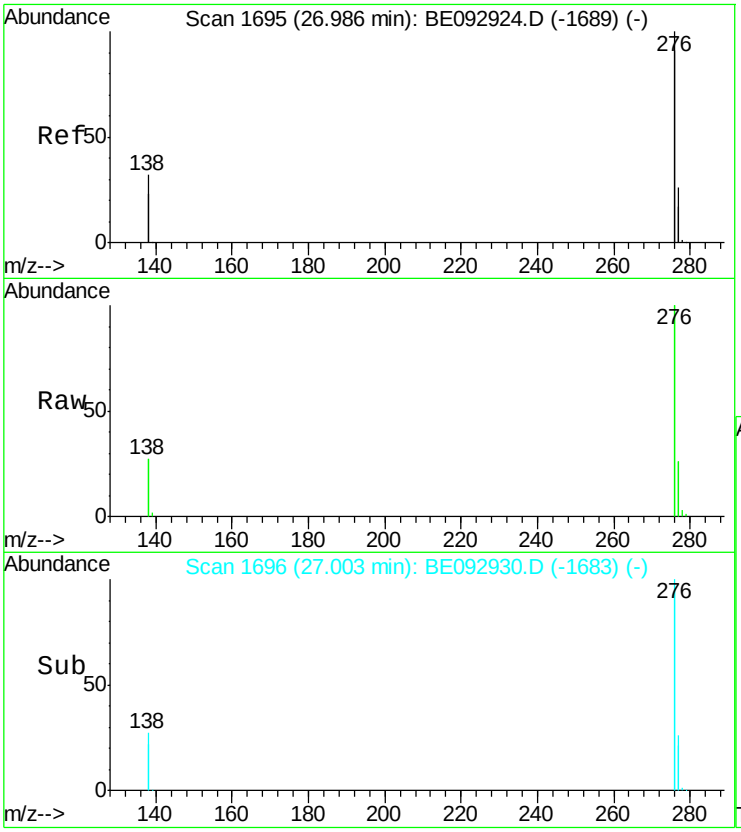


#37
Dibenzo(a,h)anthracene
Concen: 0.83 ng
RT: 26.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Tgt Ion:278 Resp: 9773

Ion	Ratio	Lower	Upper
278	100		
139	18.5	27.4	41.2#
279	25.1	33.3	49.9#





#38
Benzo(g,h,i)perylene
Concen: 0.58 ng
RT: 27.00 min Scan# 1696
Delta R.T. 0.02 min
Lab File: BE092930.D
Acq: 5 May 2017 15:00

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:276 Resp: 28709

Ion	Ratio	Lower	Upper
276	100		
277	25.8	29.9	44.9#
138	27.3	34.6	51.8#