Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
Data File : BE092412.D
Acq On : 23 Sep 2016 12:43
Operator : UM/SJ
Sample : H4803-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RR-PAH-WP

Quant Time: Sep 23 19:26:21 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	6362	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	26738	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	19583	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	44128	5.00	ng		0.02
24) Chrysene-d12	21.75	240	65965	5.00	ng		0.00
31) Perylene-d12	24.12	264	55959	5.00	ng		0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	15387	10.22	ng		-0.02
5) Phenol-d6	7.34	99	19083	8.90	ng		-0.02
8) Nitrobenzene-d5	9.34	82	8095	4.23	ng		-0.02
13) 2,4,6-Tribromophenol	16.32	330	5721	8.24	ng		0.00
14) 2-Fluorobiphenyl	13.45	172	22624	4.88	ng		0.00
26) Terphenyl-d14	20.19	244	41267	5.04	ng		0.02
Target Compounds							Qvalue
3) n-Nitrosodimethylamine	3.71	42	10	0.20	ng	#	2
6) bis(2-Chloroethyl)ether	7.57	93	12	0.10	ng	#	15
9) Naphthalene	10.99	128	34721	6.00	ng	#	95
10) Hexachlorobutadiene	11.30	225	1	0.00	ng	#	35
11) 2-Methylnaphthalene	12.67	142	22	0.01	ng	#	63
15) Acenaphthylene	14.53	152	355936	12.55	ng		99
16) Acenaphthene	14.88	154	12213	2.75	ng		95
17) Fluorene	15.87	166	23950	4.25	ng		100
19) Hexachlorobenzene	16.89	284	10	0.01	ng	#	41
20) Pentachlorophenol	17.26	266	1	0.18	ng	#	70
21) Phenanthrene	17.60	178	15920	1.57	ng	#	78
22) Anthracene	17.72	178	27326	2.80	ng	#	77
23) Fluoranthene	19.61	202	90906	1.89	ng		99
25) Pyrene	19.97	202	121965	2.13	ng		100
27) Benzo(a)anthracene	21.72	228	355892	5.54	ng		94
28) Chrysene	21.72	228	358886	6.10	ng	#	74
29) Bis(2-ethylhexyl)phthalate	21.66	149	79	0.01	ng	#	68
30) Indeno(1,2,3-cd)pyrene	26.62	276	228480	3.66	ng		96
32) Benzo(b)fluoranthene	23.38	252	41057	3.03	ng		96
33) Benzo(k)fluoranthene	23.43	252	53800	3.79	ng		94
34) Benzo(a)pyrene	24.01	252	63838	4.81	ng		94
35) Dibenzo(a,h)anthracene	26.63	278	64373	5.29	ng		95
36) Benzo(g,h,i)perylene	27.38	276	133947	2.56	ng		98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
Data File : BE092412.D
Acq On : 23 Sep 2016 12:43
Operator : UM/SJ
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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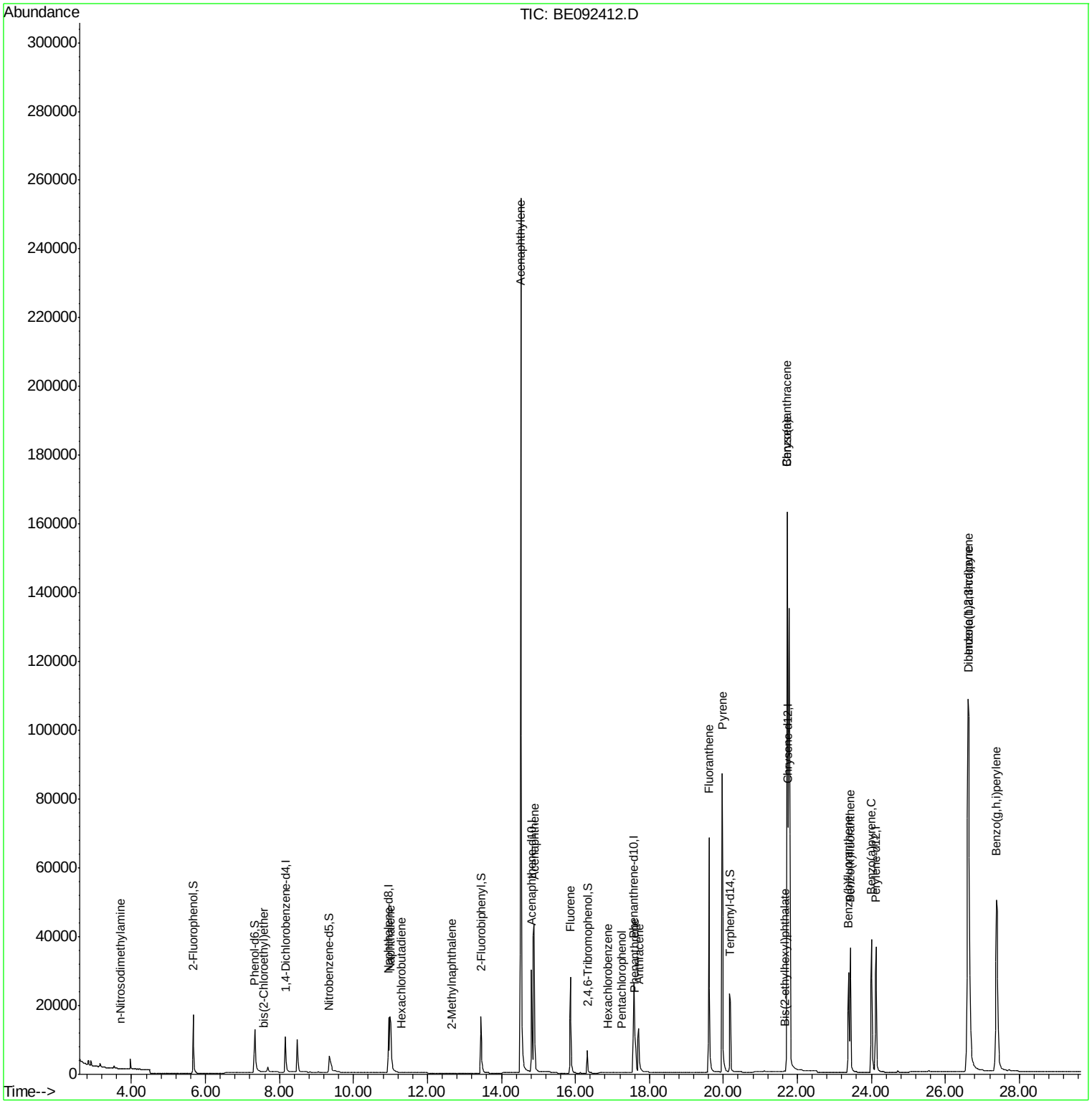
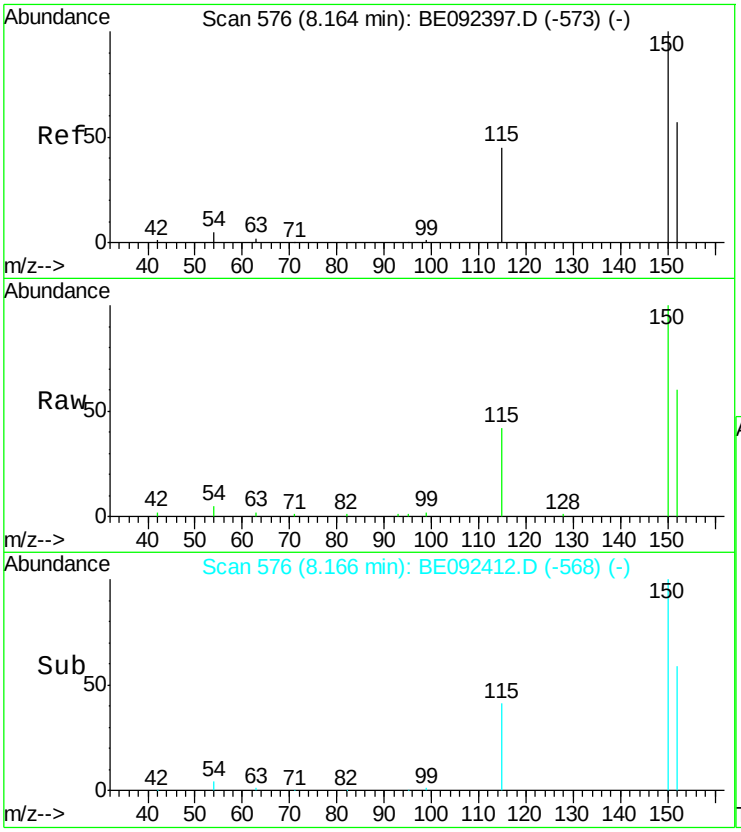
RR-PAH-WP

Quant Time: Sep 23 19:26:21 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration



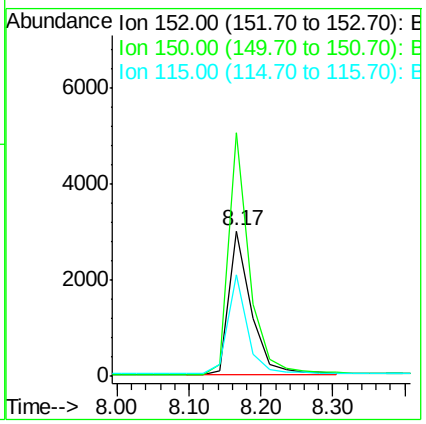


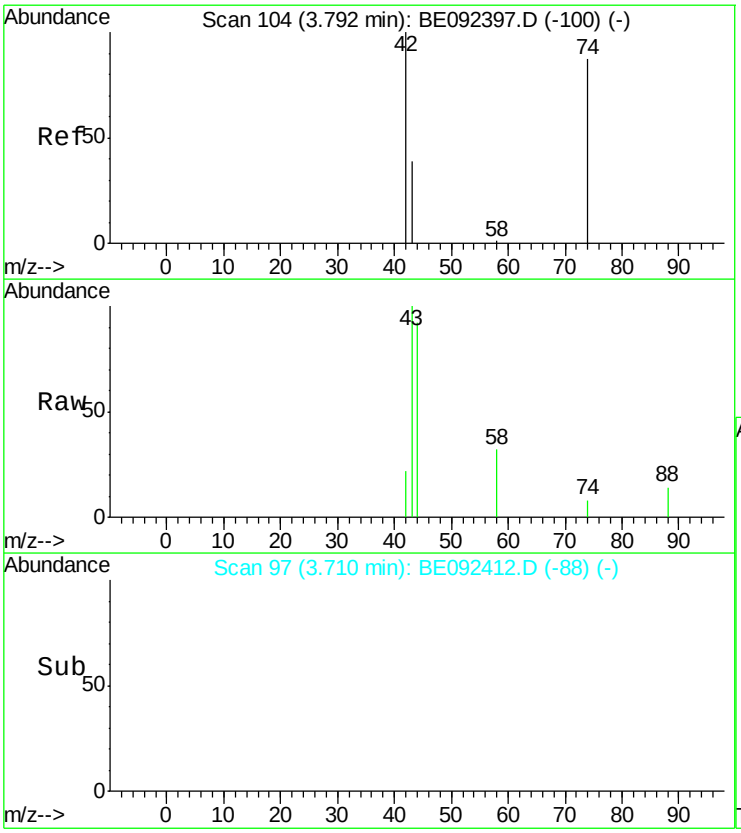
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:152 Resp: 6362

Ion	Ratio	Lower	Upper
152	100		
150	167.2	106.0	159.0#
115	69.9	31.2	46.8#

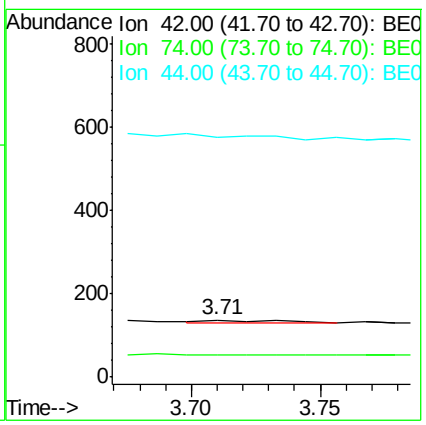


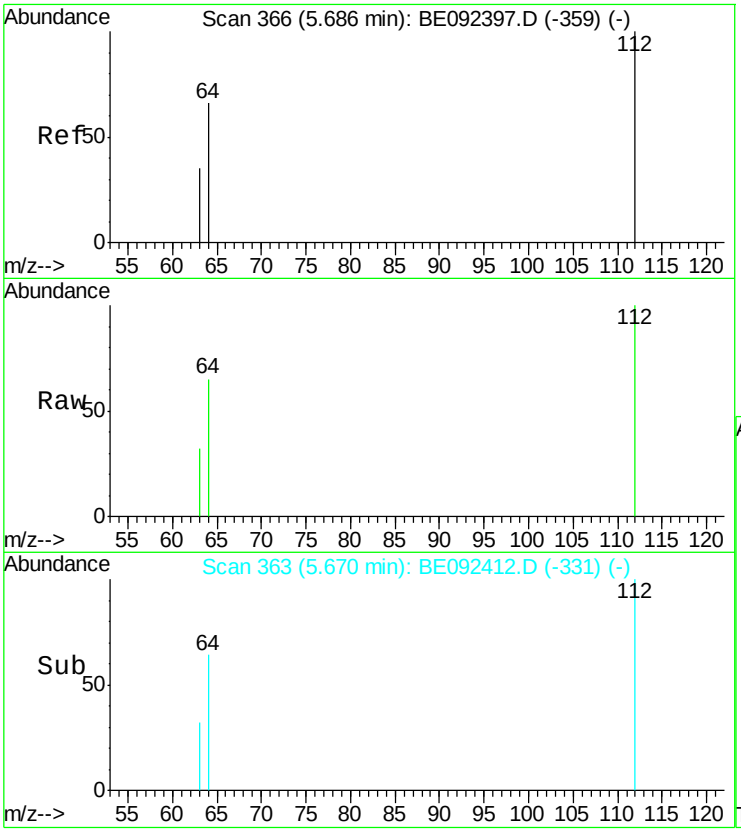


#3
n-Nitrosodimethylamine
Concen: 0.20 ng
RT: 3.71 min Scan# 97
Delta R.T. -0.09 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion: 42 Resp: 10

Ion	Ratio	Lower	Upper
42	100		
74	0.0	86.0	129.0#
44	0.0	5.1	7.7#



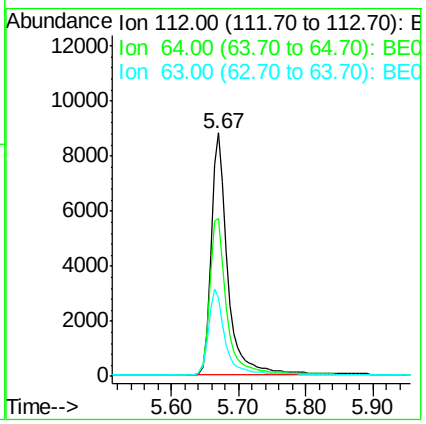


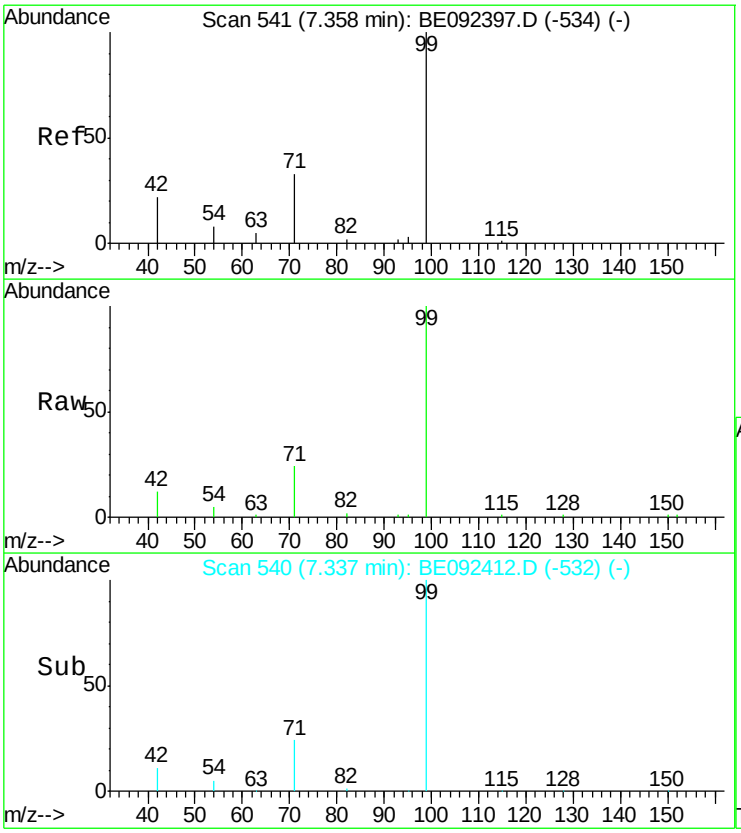
#4
2-Fluorophenol
Concen: 10.22 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:112 Resp: 15387

Ion	Ratio	Lower	Upper
112	100		
64	67.0	53.5	80.3
63	35.7	27.9	41.9

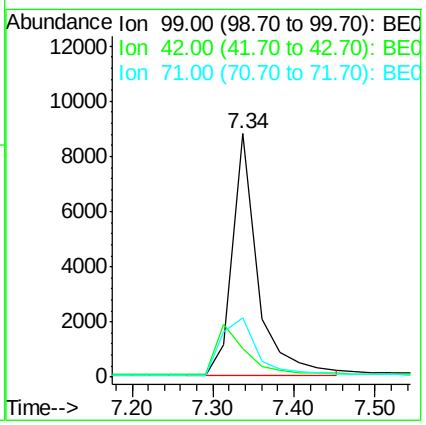


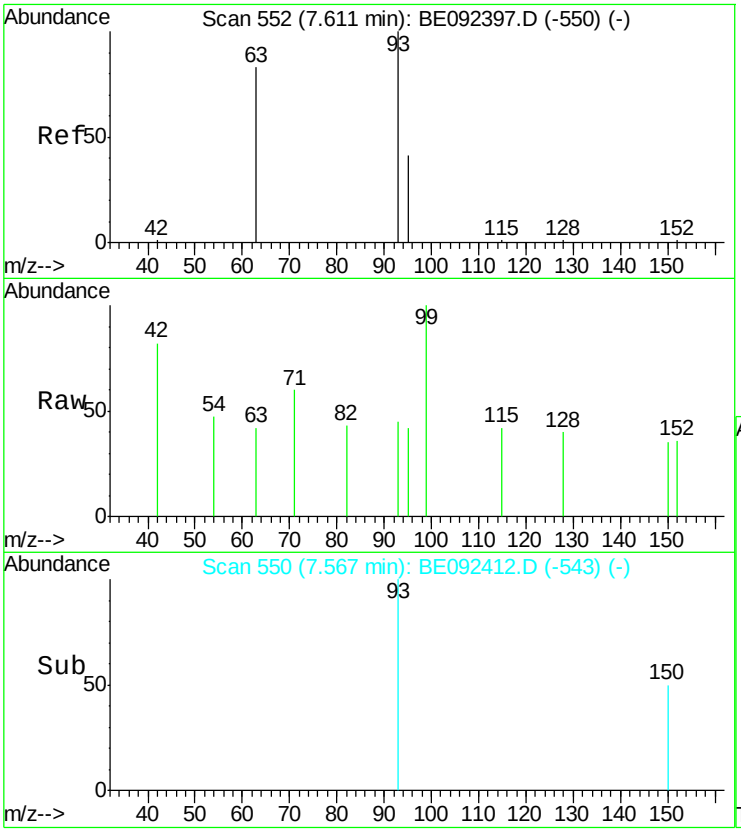


#5
Phenol-d6
Concen: 8.90 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion: 99 Resp: 19083

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	34.4	30.6	45.8



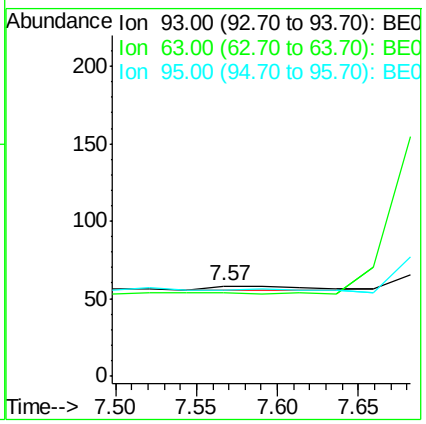


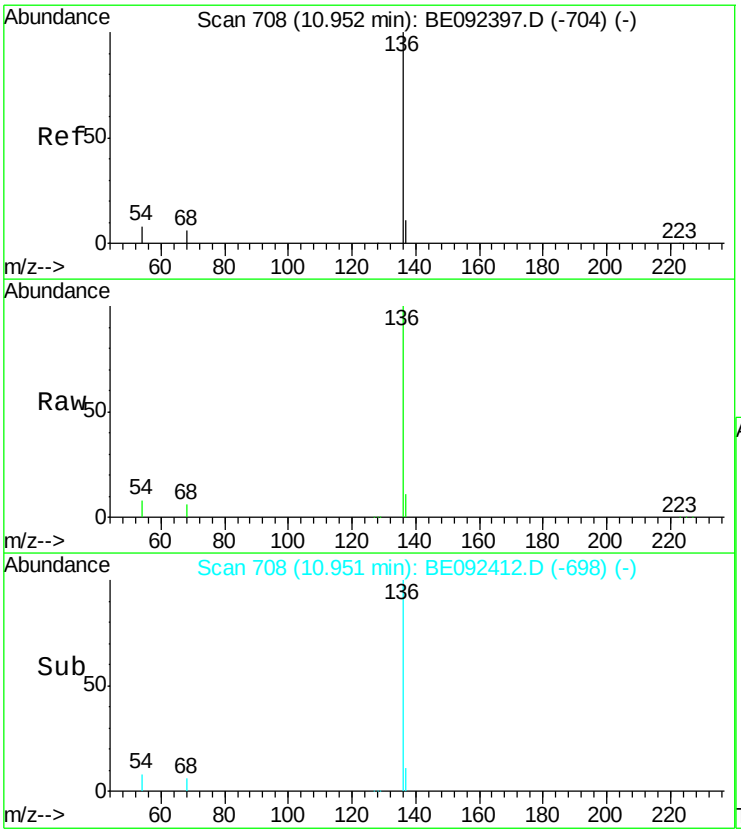
#6
bis(2-Chloroethyl)ether
Concen: 0.10 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.04 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion: 93 Resp: 12

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	0.0	24.0	36.0#

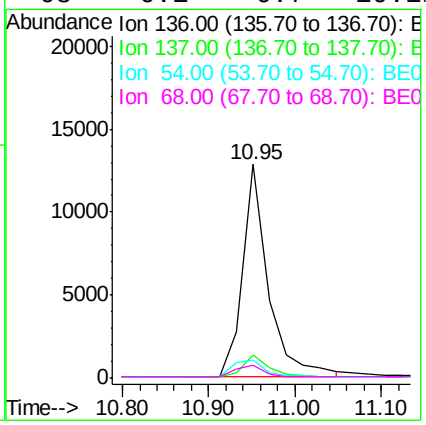


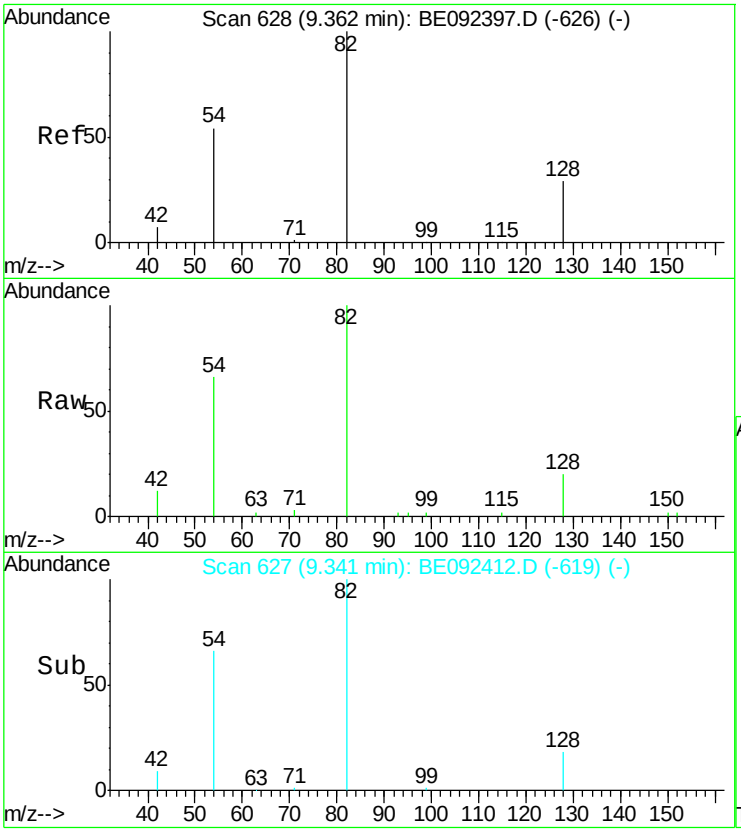


#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:136 Resp: 26738

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	8.3	9.6	14.4#
68	6.1	6.7	10.1#



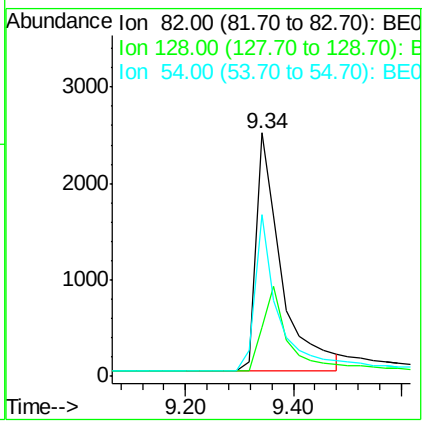


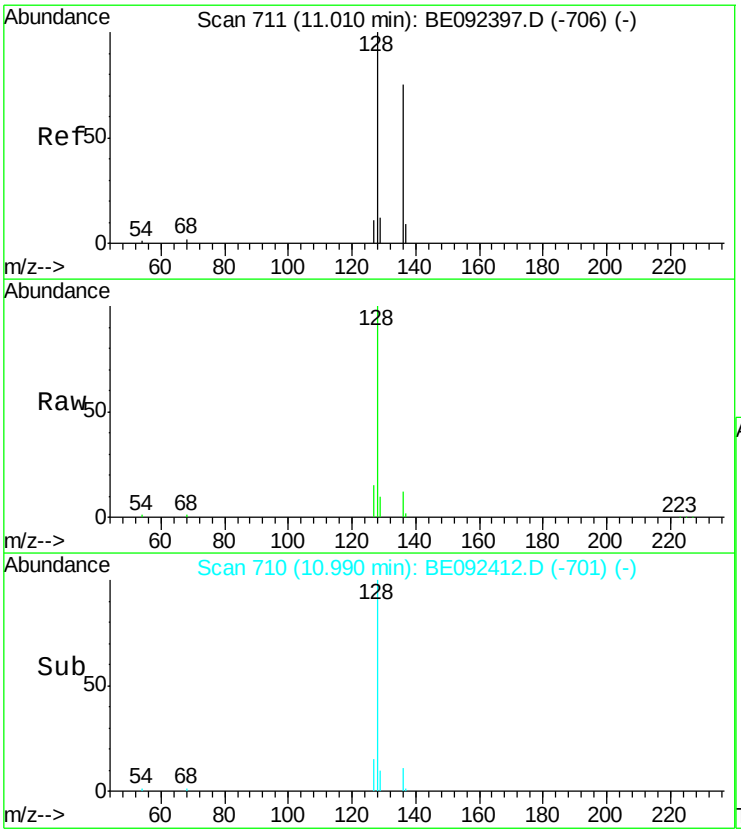
#8
Nitrobenzene-d5
Concen: 4.23 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion: 82 Resp: 8095

Ion	Ratio	Lower	Upper
82	100		
128	20.1	39.0	58.4#
54	66.5	44.8	67.2

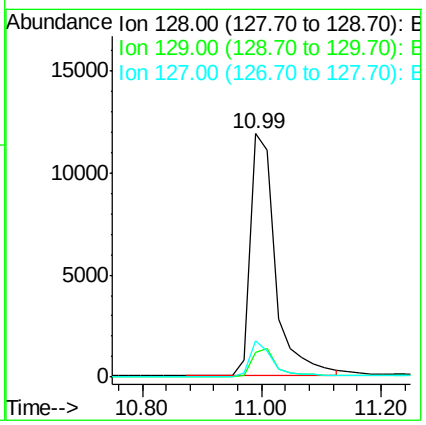


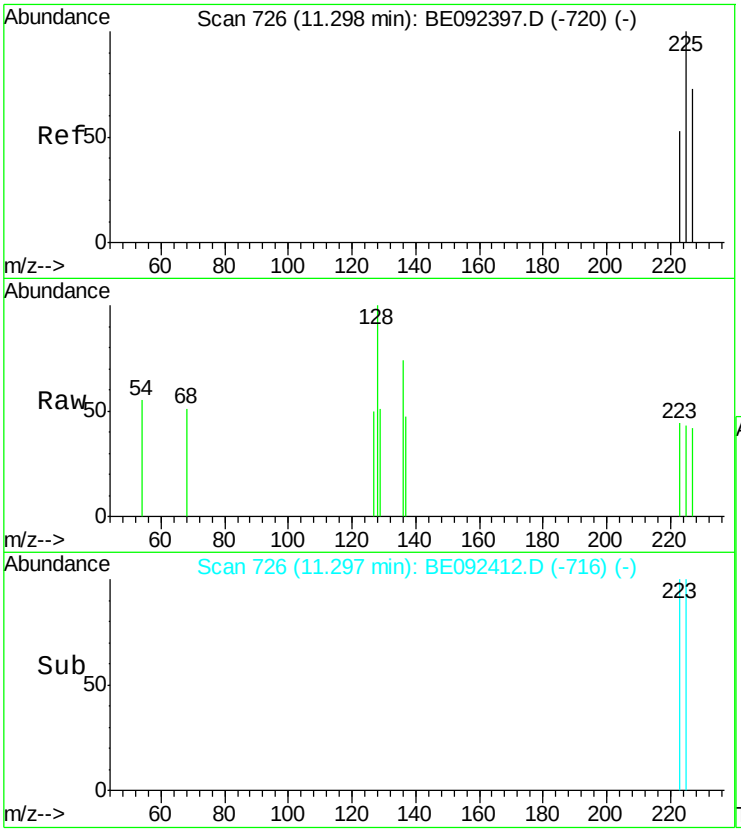


#9
Naphthalene
Concen: 6.00 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:128 Resp: 34721

Ion	Ratio	Lower	Upper
128	100		
129	10.3	11.2	16.8#
127	14.9	11.6	17.4



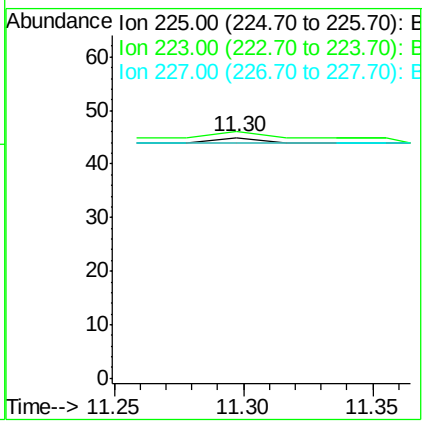


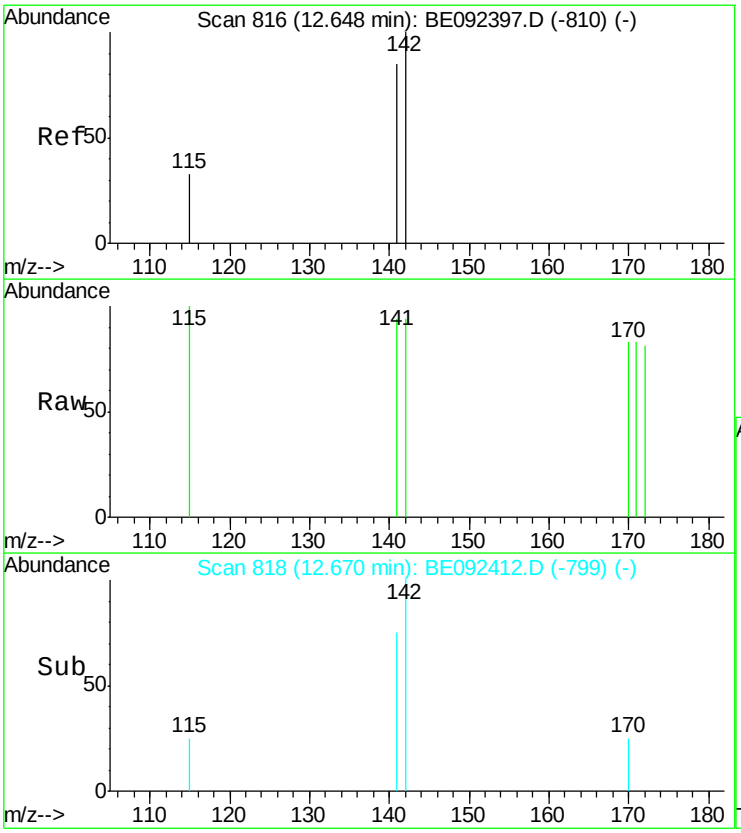
#10
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:225 Resp: 1

Ion	Ratio	Lower	Upper
225	100		
223	100.0	50.6	76.0#
227	0.0	51.4	77.0#

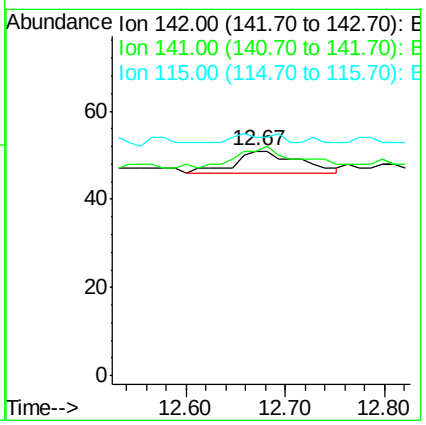


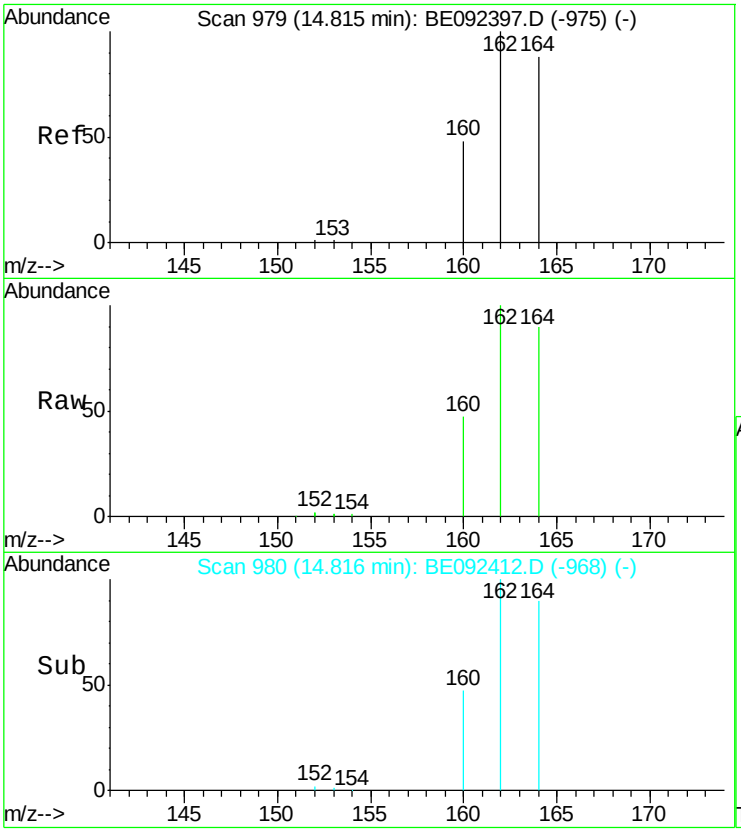


#11
2-Methylnaphthalene
Concen: 0.01 ng
RT: 12.67 min Scan# 818
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:142 Resp: 22

Ion	Ratio	Lower	Upper
142	100		
141	100.0	73.7	110.5
115	105.9	34.0	51.0#



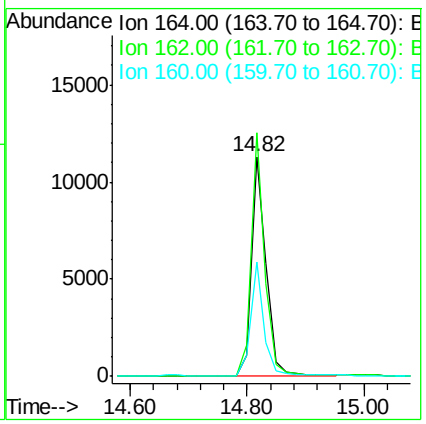


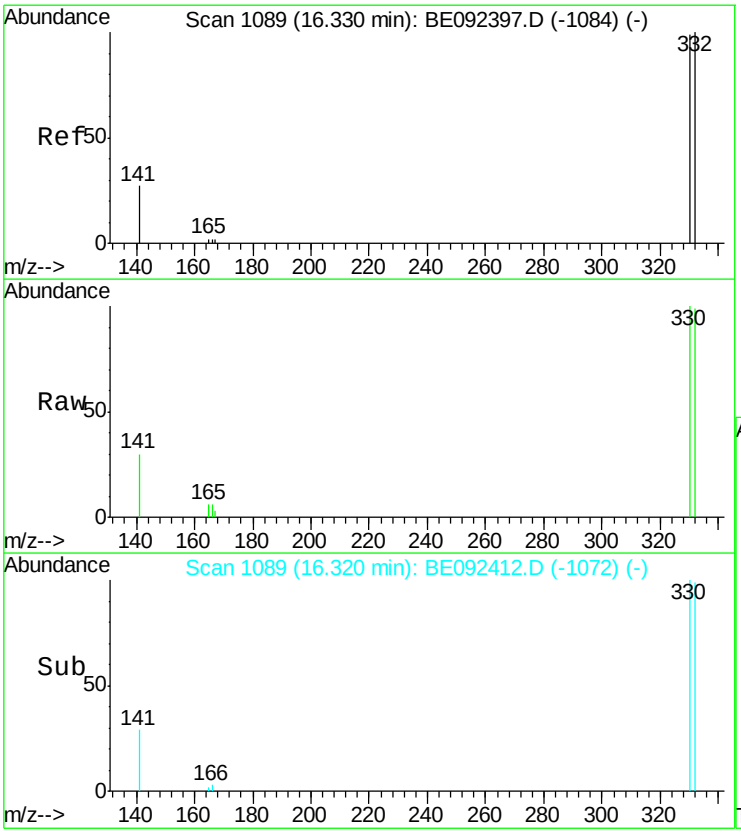
#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:164 Resp: 19583

Ion	Ratio	Lower	Upper
164	100		
162	111.0	71.4	107.0#
160	52.4	27.4	41.2#

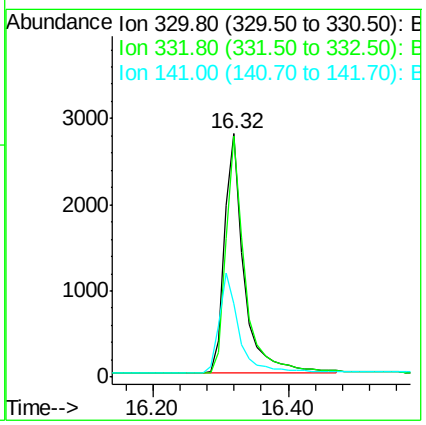


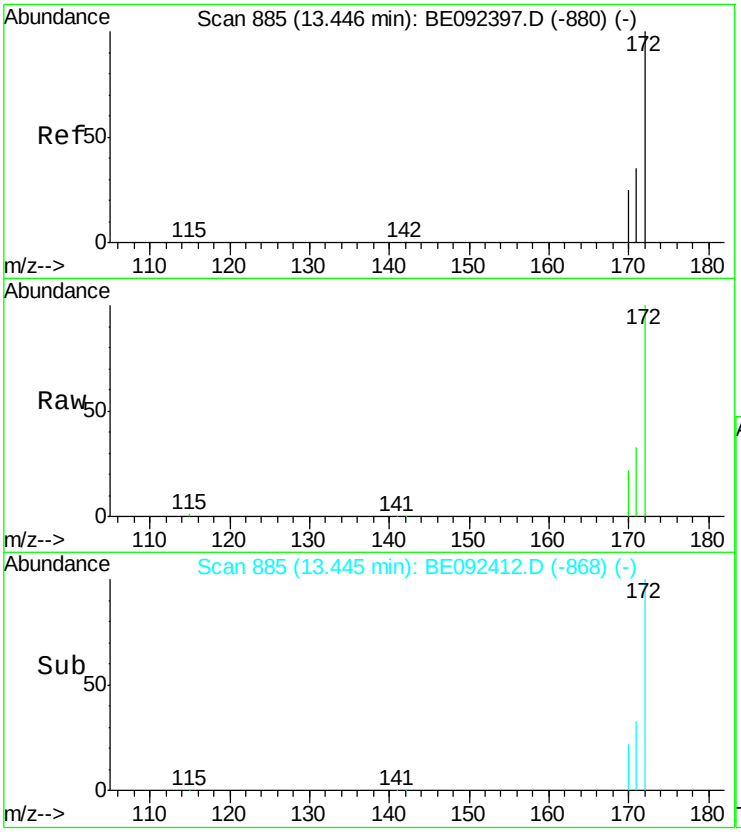


#13
2,4,6-Tribromophenol
Concen: 8.24 ng
RT: 16.32 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:330 Resp: 5721

Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.4	113.0
141	42.2	31.0	46.6



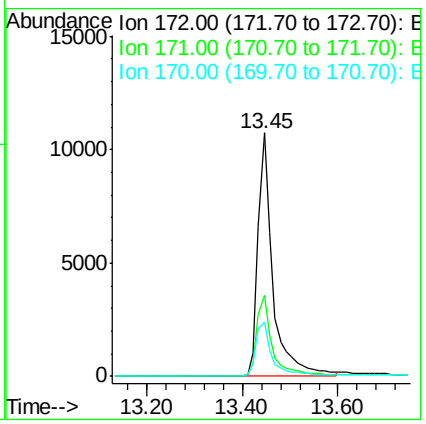


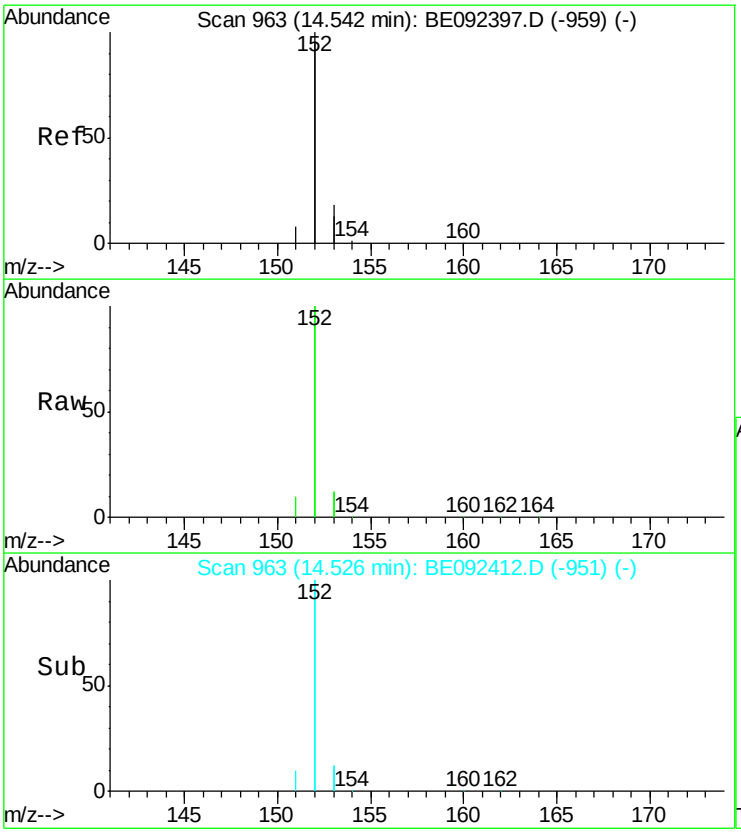
#14
2-Fluorobiphenyl
Concen: 4.88 ng
RT: 13.45 min Scan# 885
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:172 Resp: 22624

Ion	Ratio	Lower	Upper
172	100		
171	33.3	30.1	45.1
170	22.1	21.8	32.6

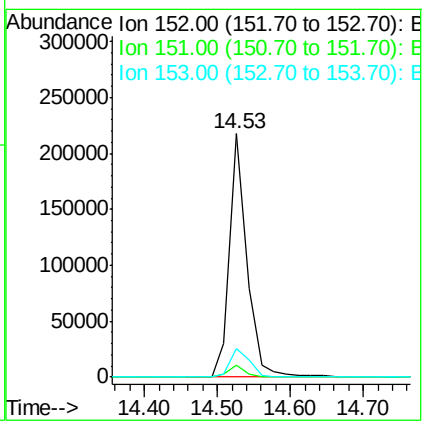


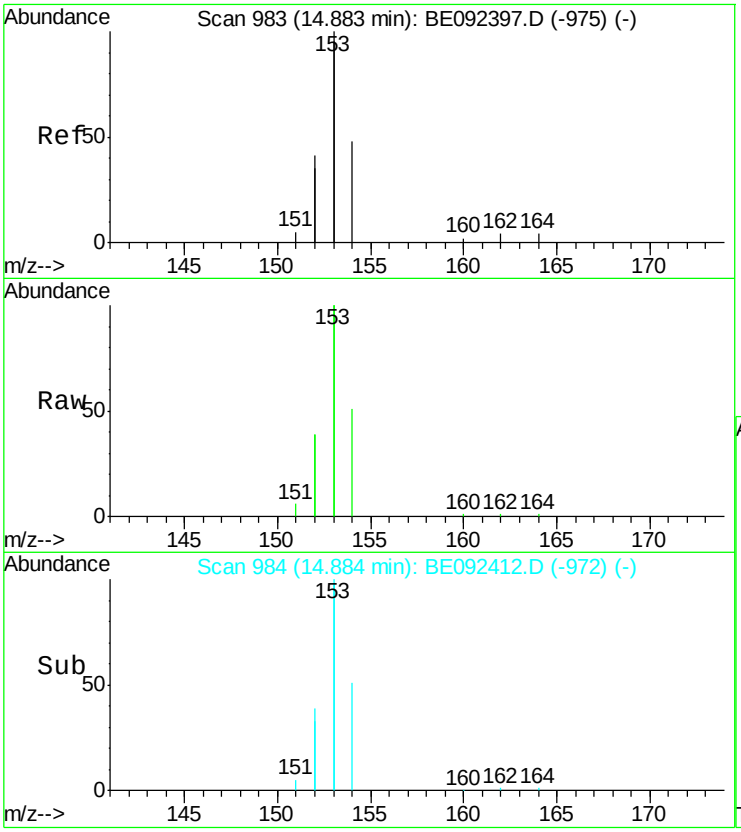


#15
Acenaphthylene
Concen: 12.55 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:152 Resp: 355936

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.3	10.4	15.6



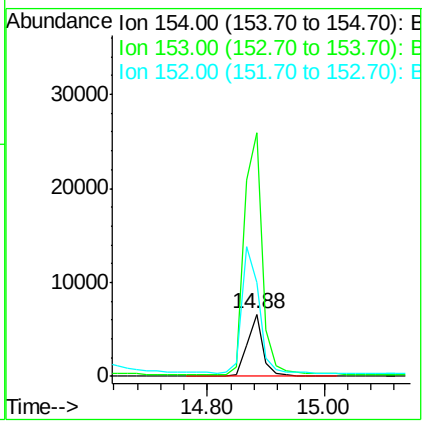


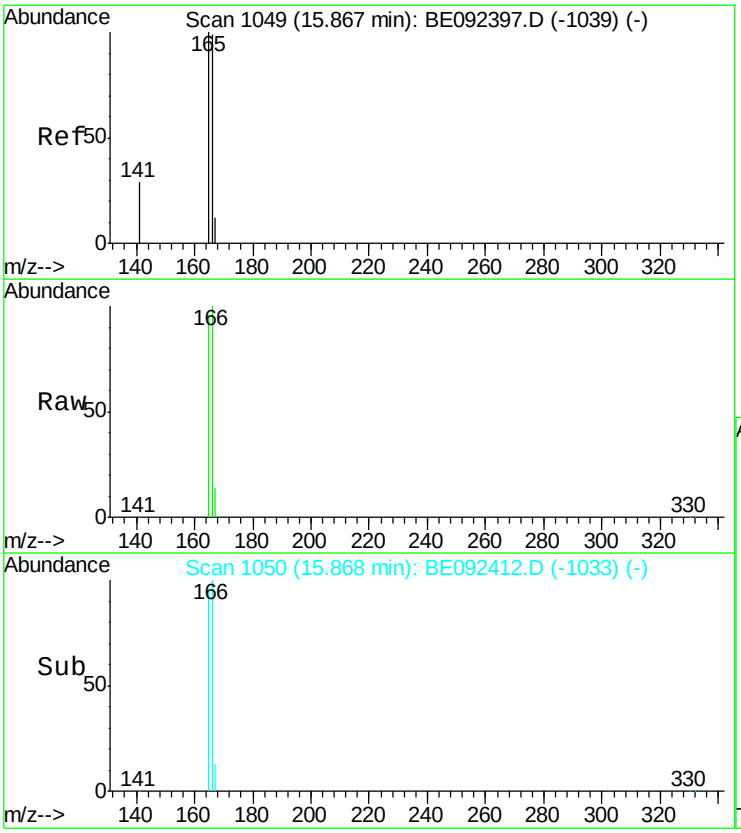
#16
Acenaphthene
Concen: 2.75 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:154 Resp: 12213

Ion	Ratio	Lower	Upper
154	100		
153	449.8	350.8	526.2
152	224.7	171.1	256.7

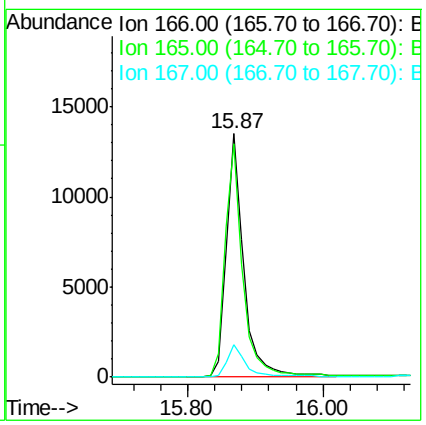


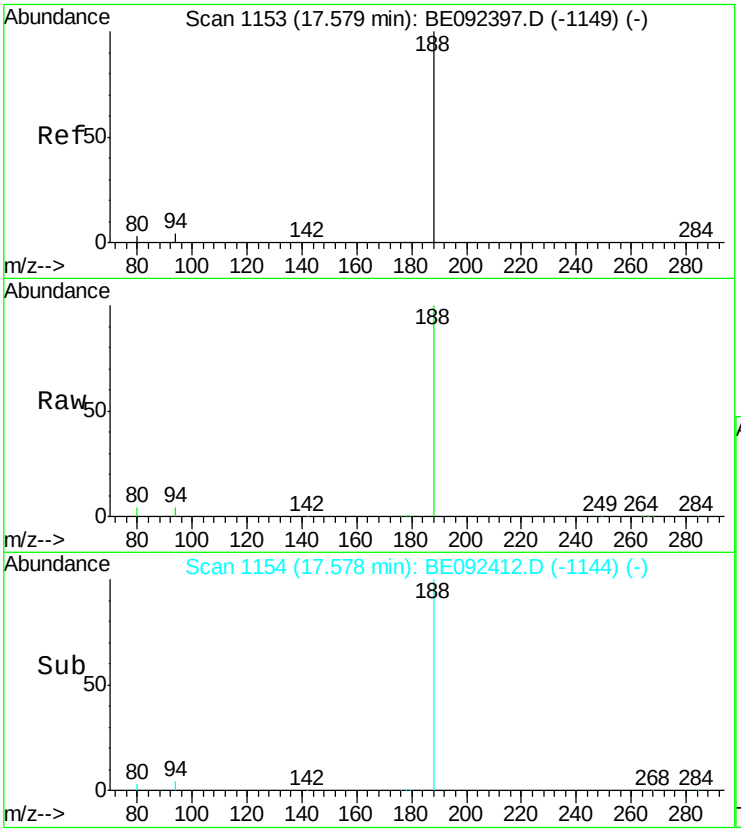


#17
Fluorene
Concen: 4.25 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:166 Resp: 23950

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.4
167	13.2	11.0	16.4



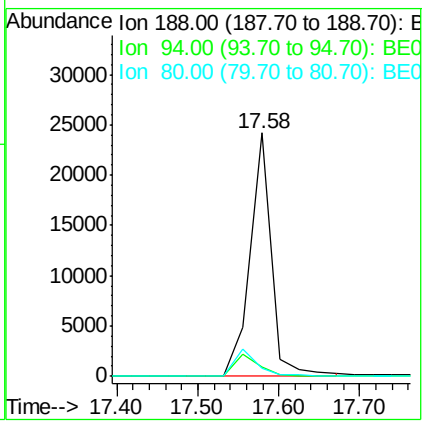


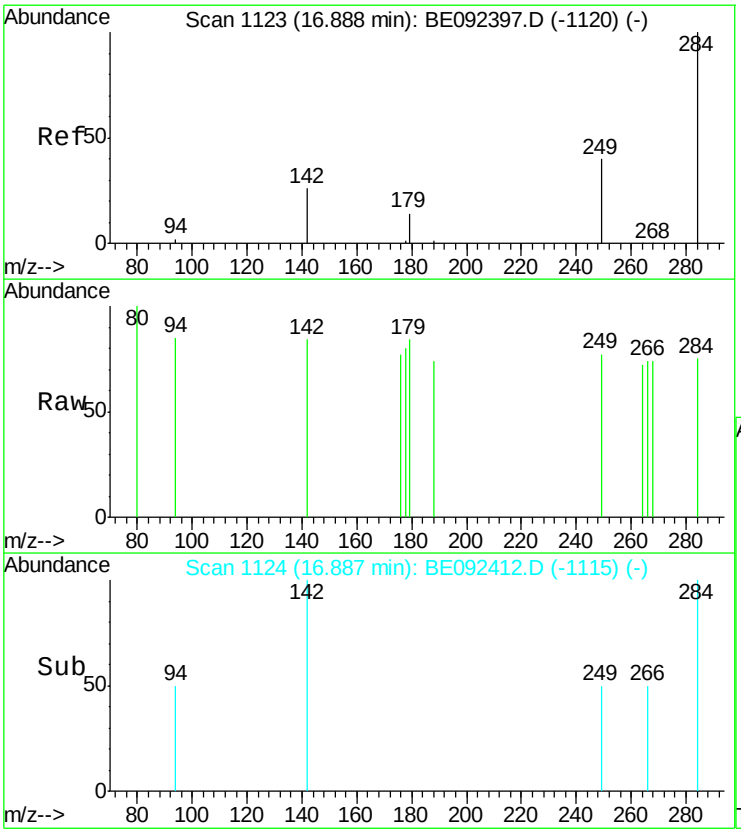
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:188 Resp: 44128

Ion	Ratio	Lower	Upper
188	100		
94	4.0	3.2	4.8
80	3.5	2.6	3.8

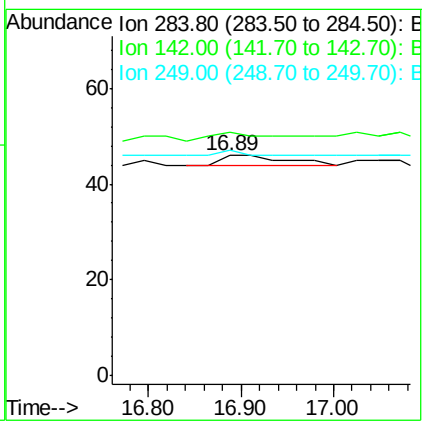


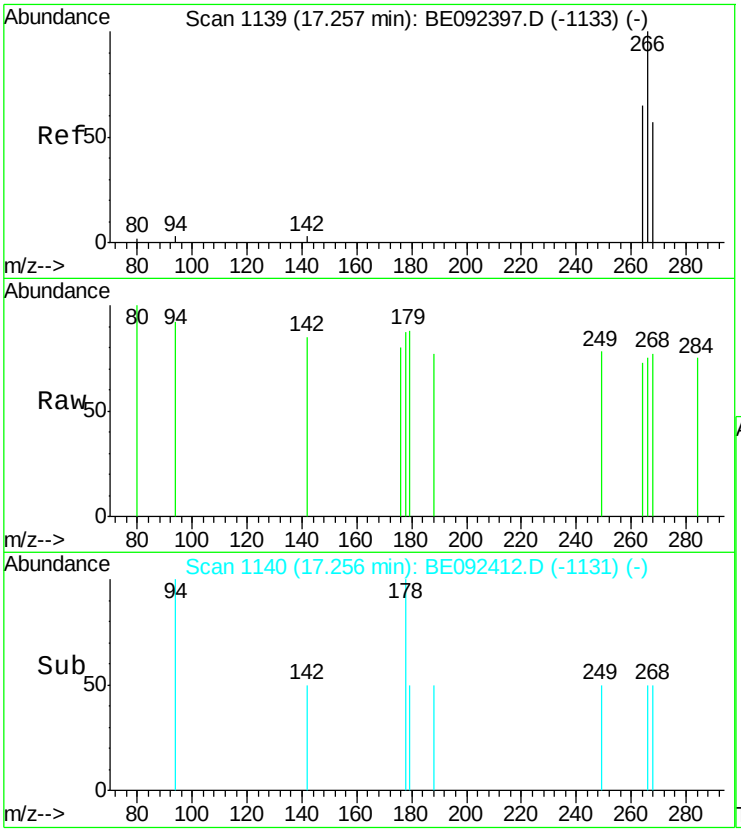


#19
Hexachlorobenzene
Concen: 0.01 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:284 Resp: 10

Ion	Ratio	Lower	Upper
284	100		
142	80.0	29.1	43.7#
249	10.0	27.9	41.9#



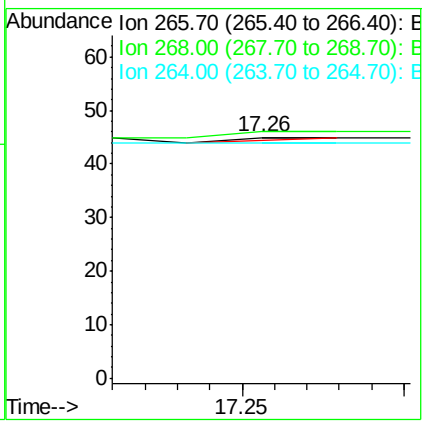


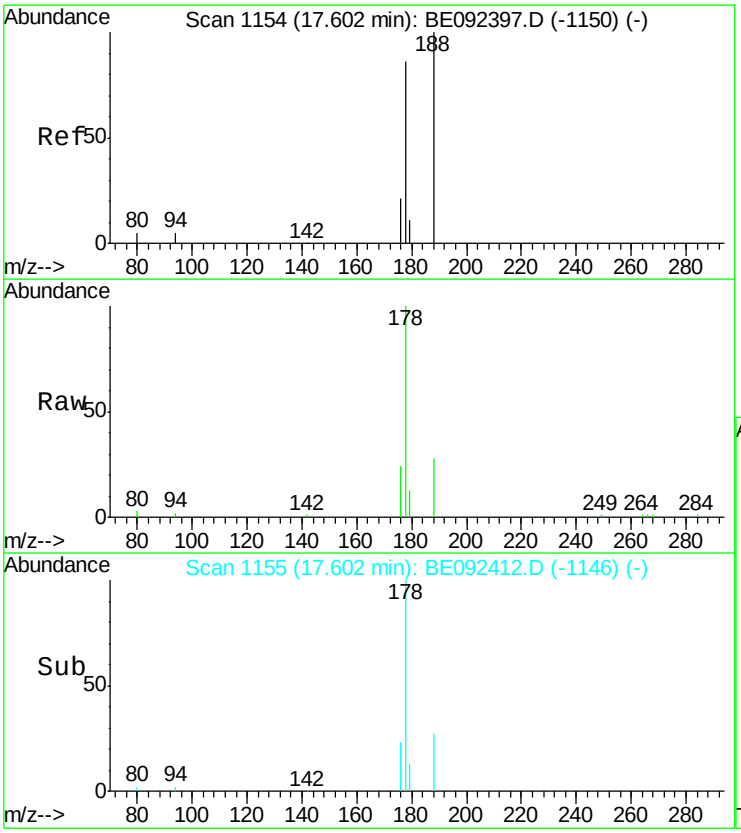
#20
Pentachlorophenol
Concen: 0.18 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:266 Resp: 1

Ion	Ratio	Lower	Upper
266	100		
268	102.2	62.5	93.7#
264	97.8	57.2	85.8#

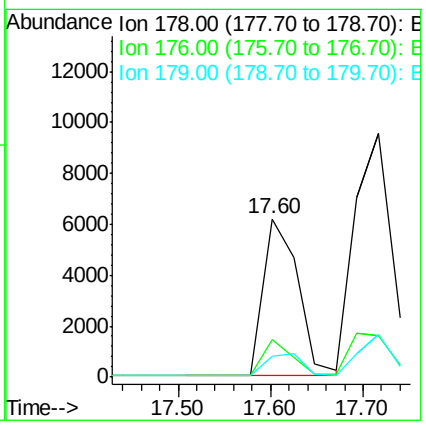


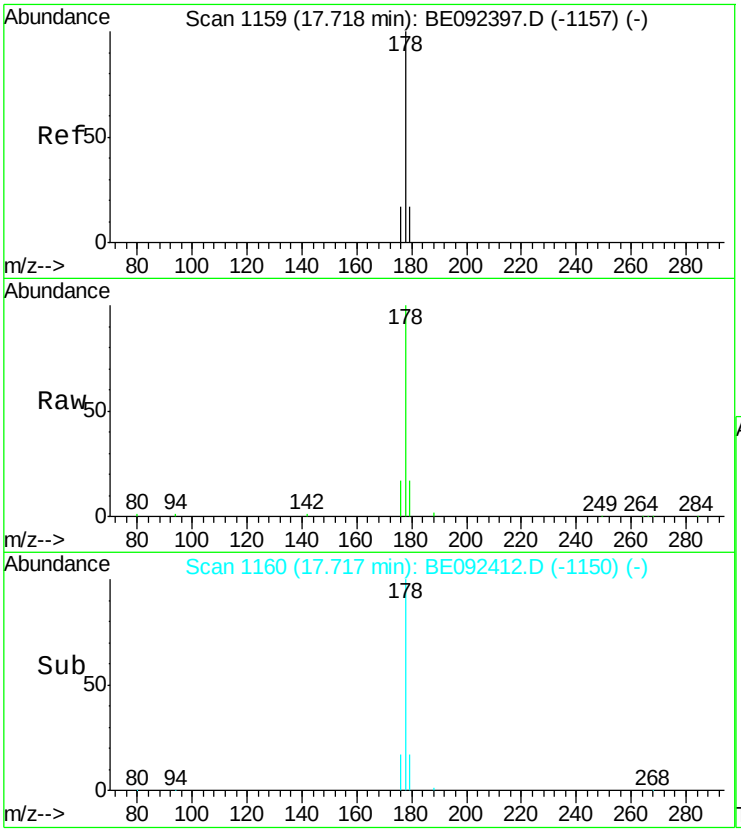


#21
Phenanthrene
Concen: 1.57 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:178 Resp: 15920

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	0.0	16.0	24.0#



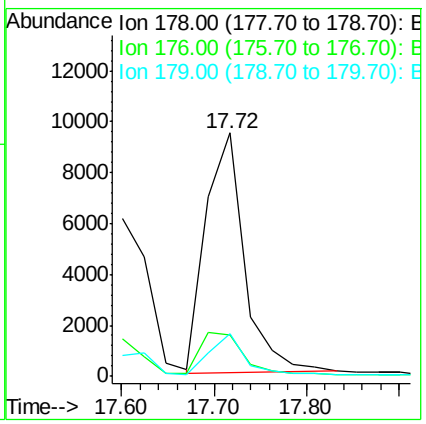


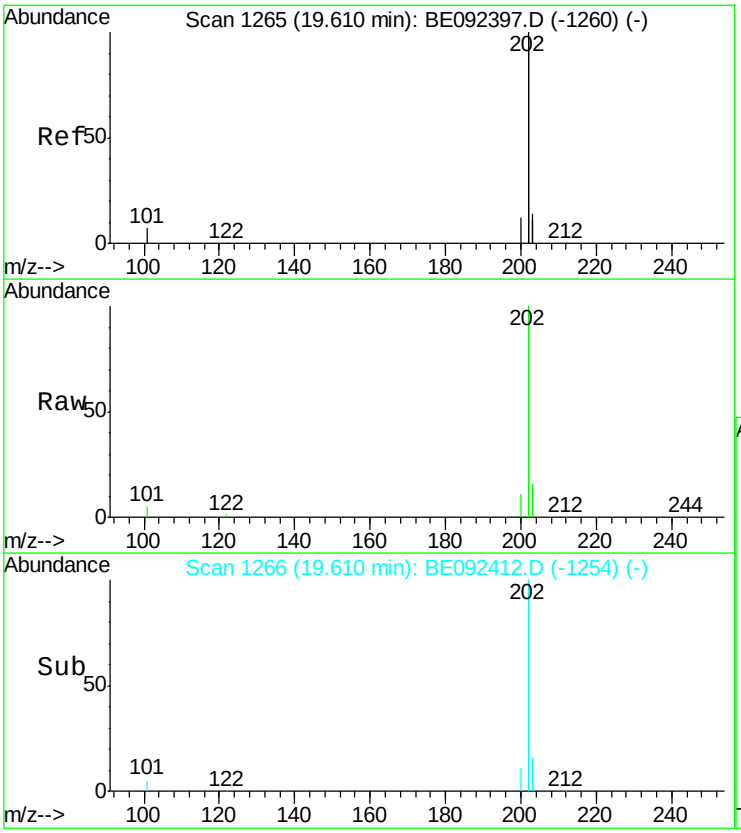
#22
Anthracene
Concen: 2.80 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:178 Resp: 27326

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.0	22.4#
179	15.0	12.2	18.2

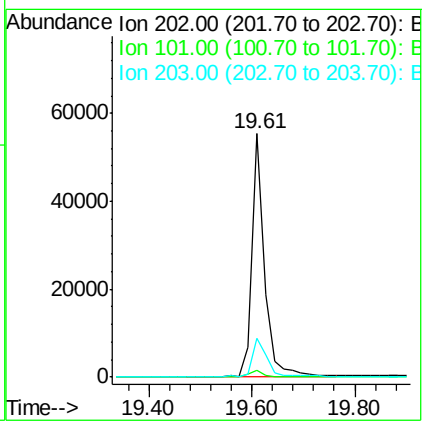


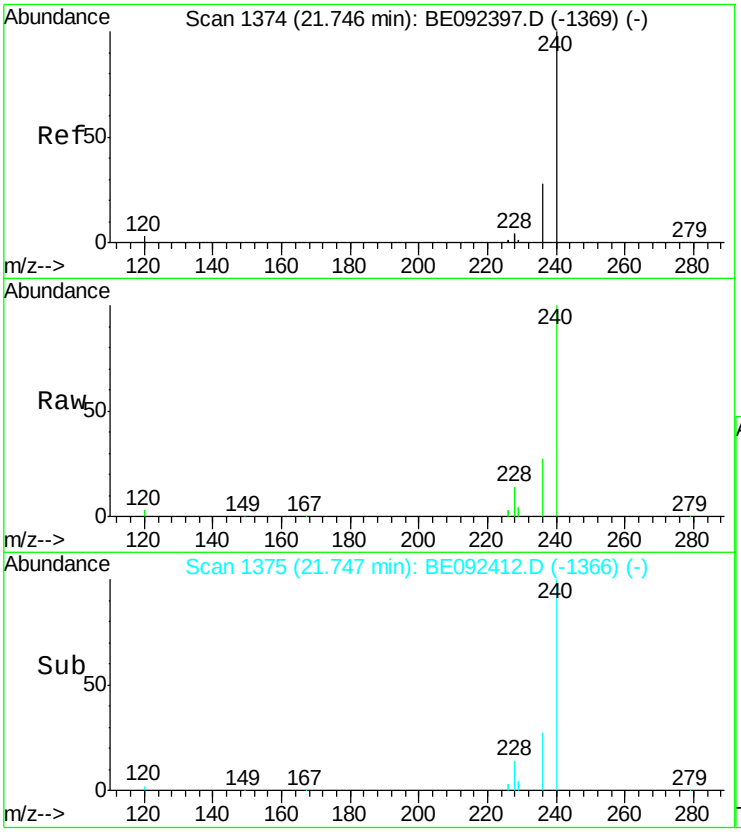


#23
Fluoranthene
Concen: 1.89 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:202 Resp: 90906

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.6	13.7	20.5



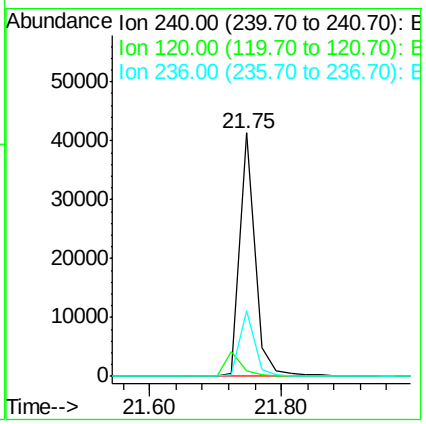


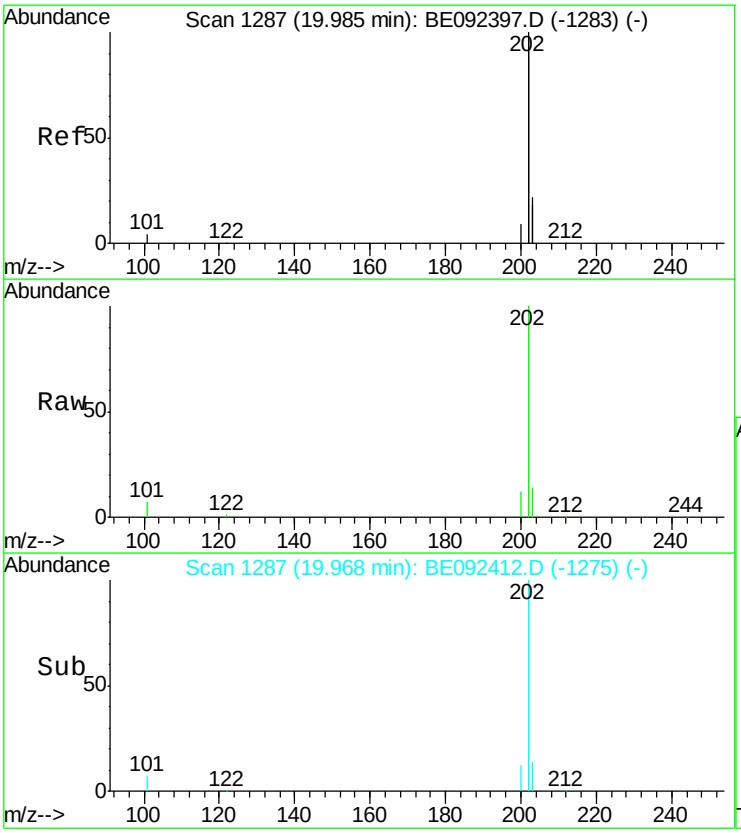
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:240 Resp: 65965

Ion	Ratio	Lower	Upper
240	100		
120	2.5	2.6	4.0#
236	26.9	24.6	37.0

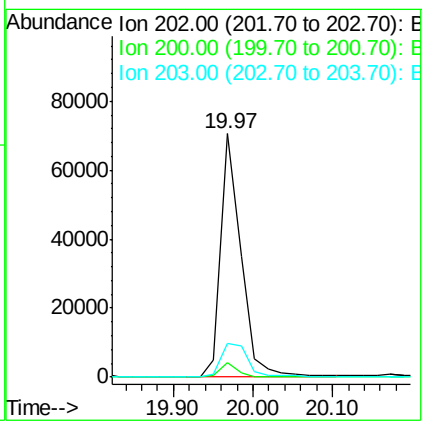


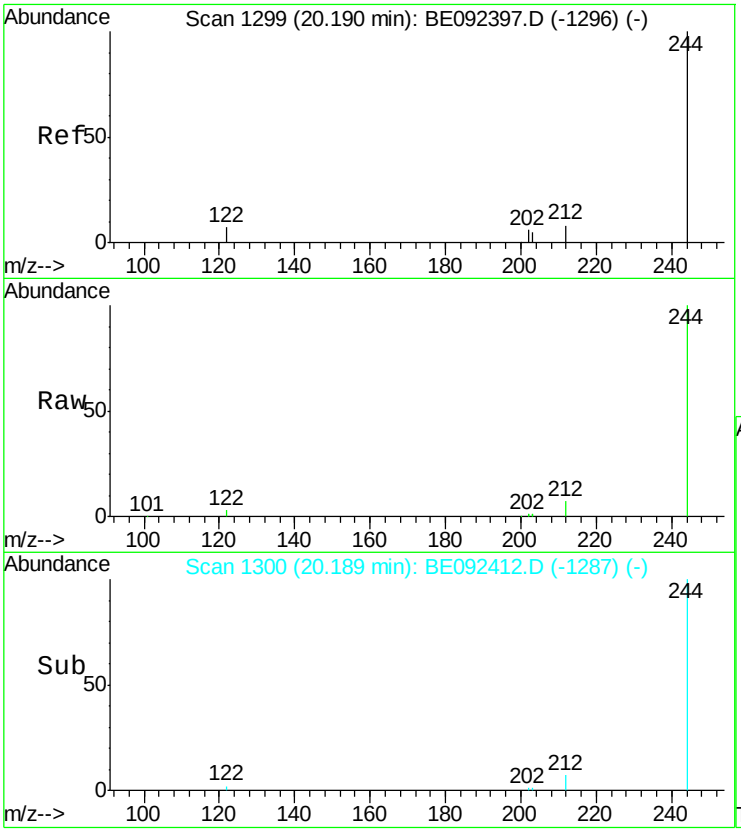


#25
Pyrene
Concen: 2.13 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:202 Resp: 121965

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.5	13.9	20.9



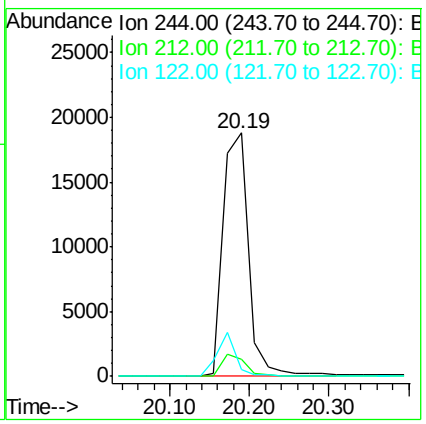


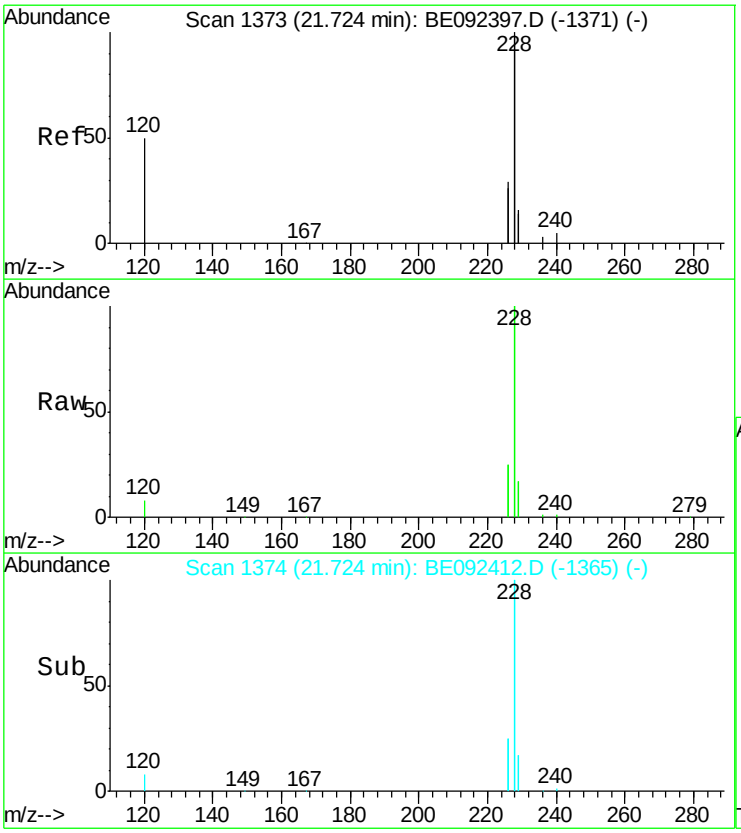
#26
Terphenyl-d14
Concen: 5.04 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:244 Resp: 41267

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.7	10.1
122	2.9	3.6	5.4#

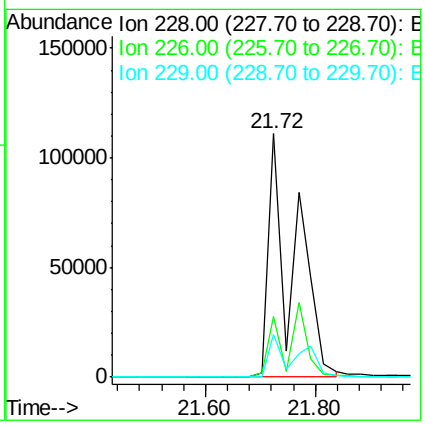


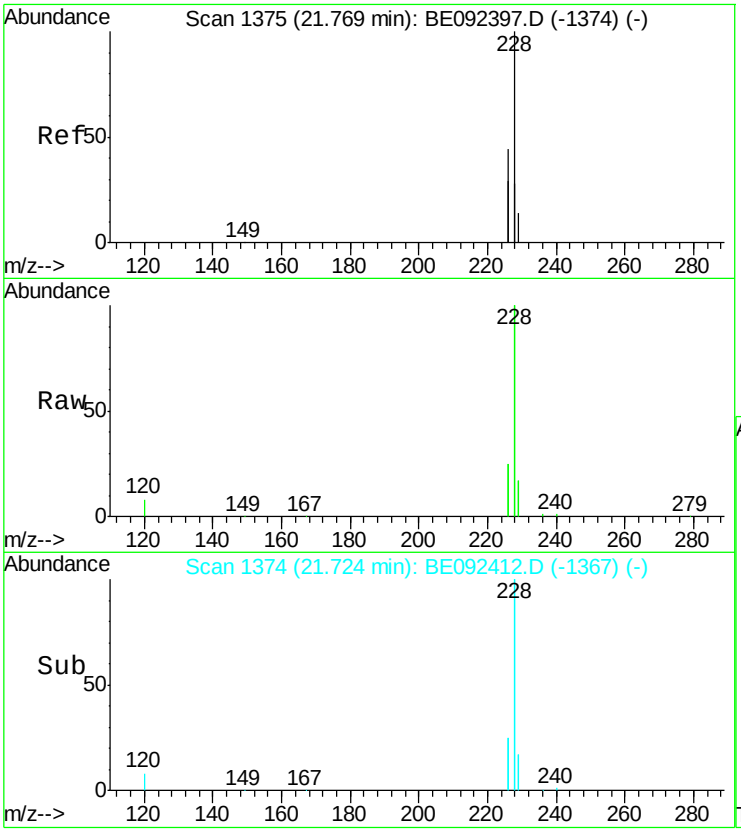


#27
Benzo(a)anthracene
Concen: 5.54 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:228 Resp: 355892

Ion	Ratio	Lower	Upper
228	100		
226	25.0	23.6	35.4
229	17.5	13.3	19.9



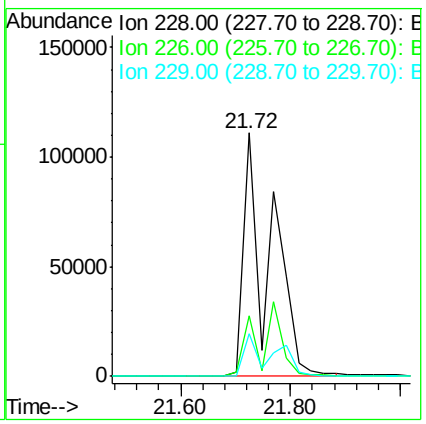


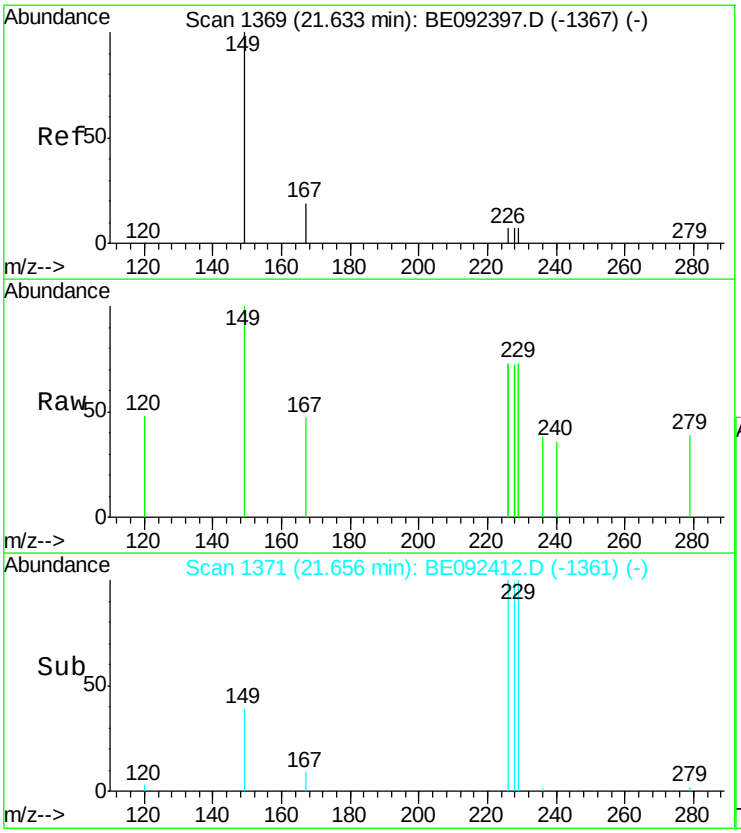
#28
Chrysene
Concen: 6.10 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.04 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:228 Resp: 358886

Ion	Ratio	Lower	Upper
228	100		
226	25.0	36.3	54.5#
229	17.5	10.6	16.0#

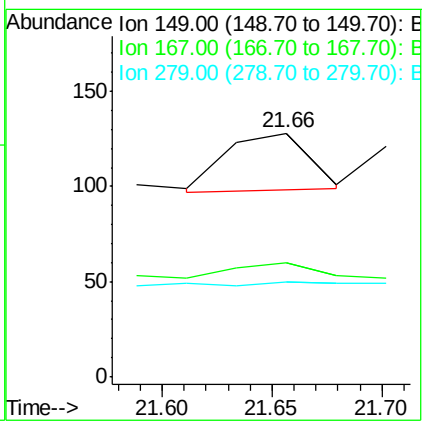


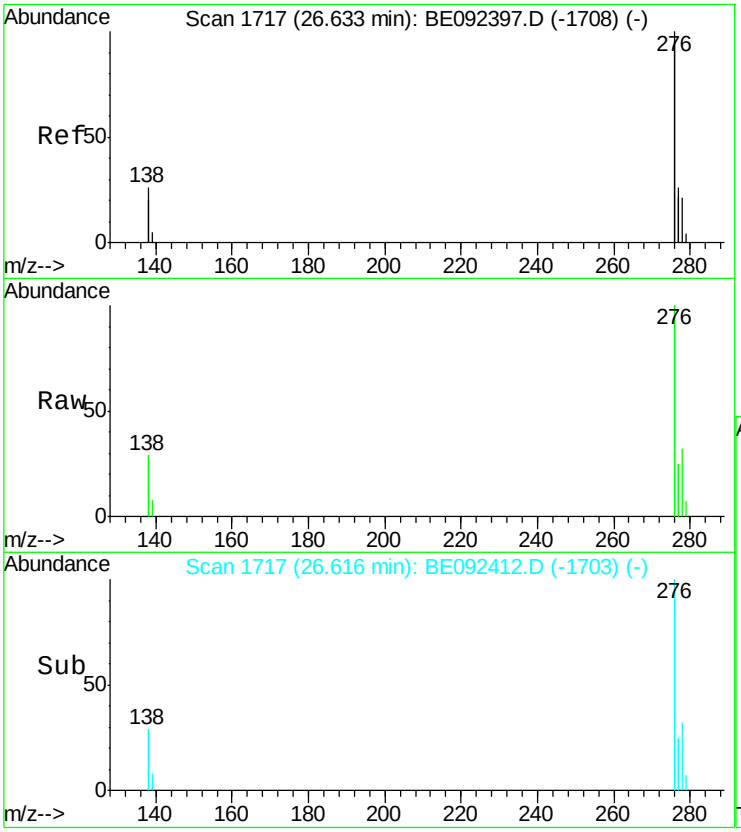


#29
Bis(2-ethylhexyl)phthalate
Concen: 0.01 ng
RT: 21.66 min Scan# 1371
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:149 Resp: 79

Ion	Ratio	Lower	Upper
149	100		
167	38.0	16.0	24.0#
279	8.9	16.0	24.0#



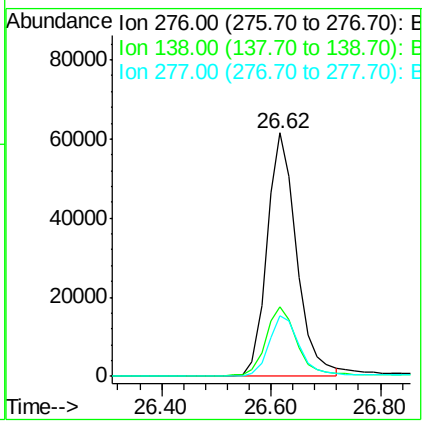


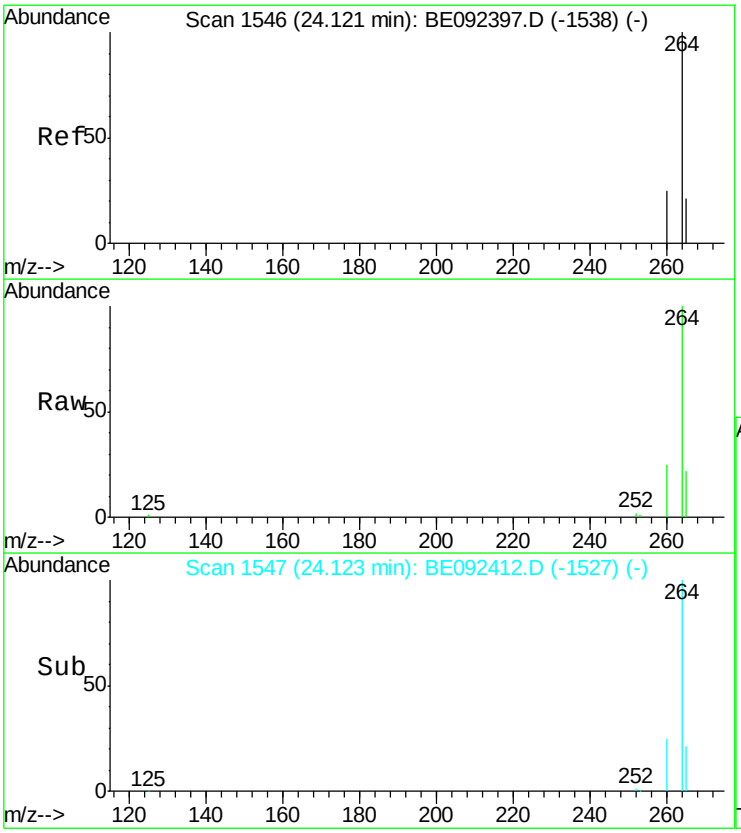
#30
Indeno(1,2,3-cd)pyrene
Concen: 3.66 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.04 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:276 Resp: 228480

Ion	Ratio	Lower	Upper
276	100		
138	29.3	20.3	30.5
277	25.1	19.7	29.5

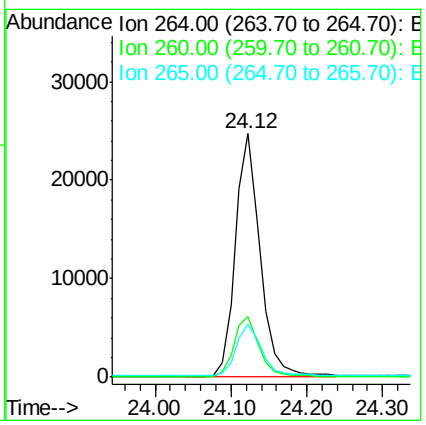


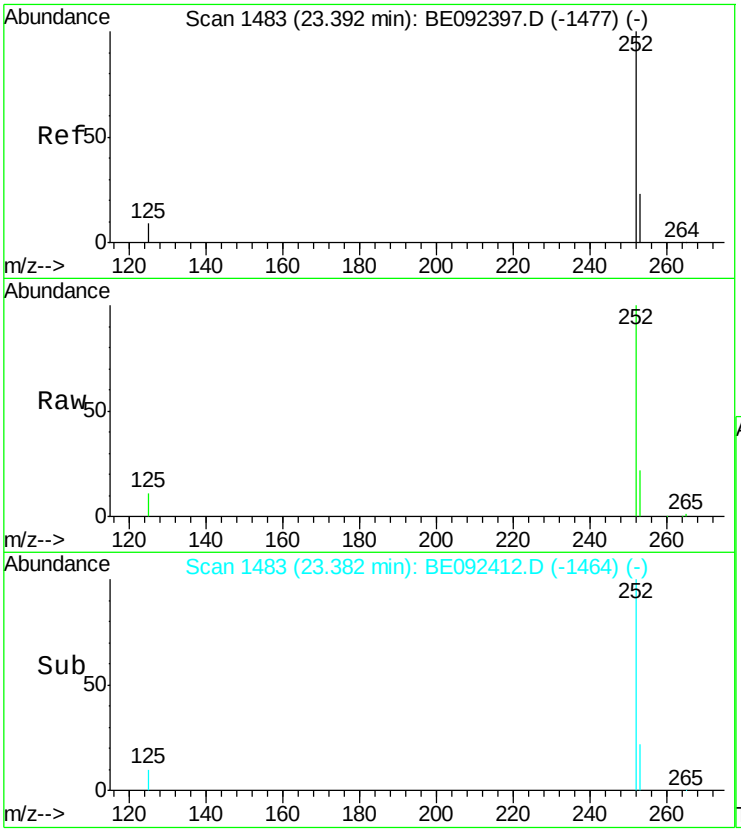


#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.04 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:264 Resp: 55959

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	21.8	17.9	26.9



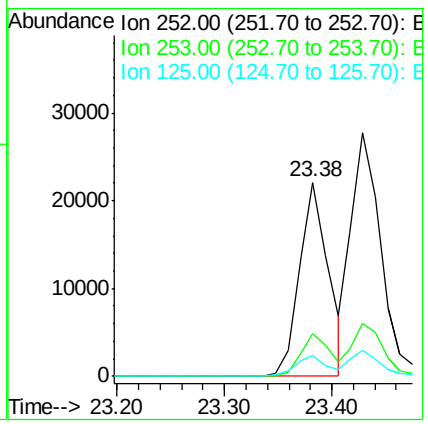


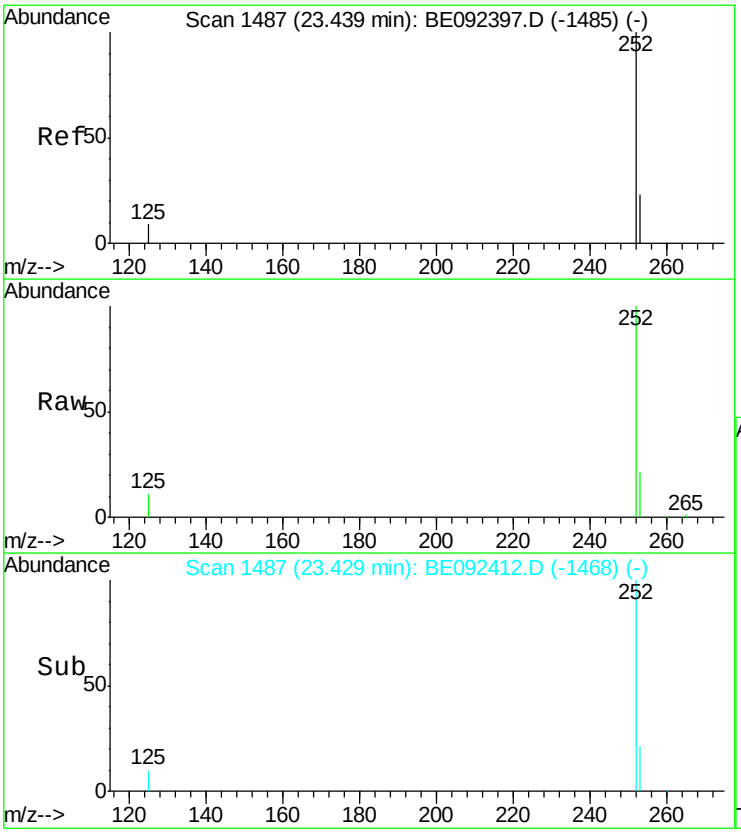
#32
Benzo(b)fluoranthene
Concen: 3.03 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:252 Resp: 41057

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.7	28.1
125	10.7	10.5	15.7

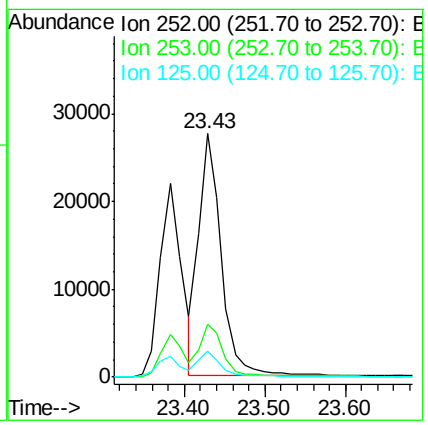


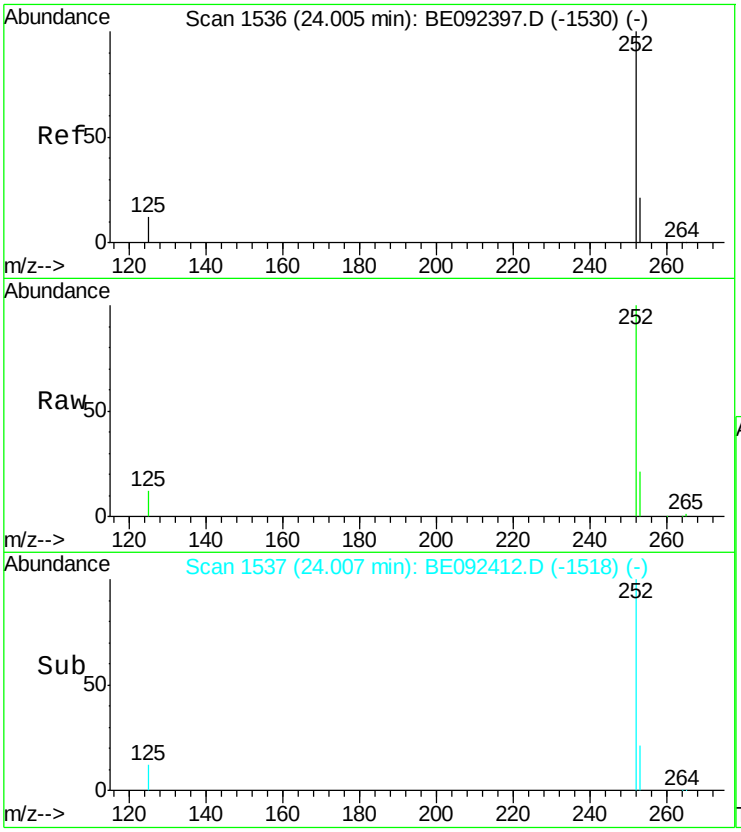


#33
Benzo(k)fluoranthene
Concen: 3.79 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:252 Resp: 53800

Ion	Ratio	Lower	Upper
252	100		
253	21.5	20.3	30.5
125	10.6	9.6	14.4



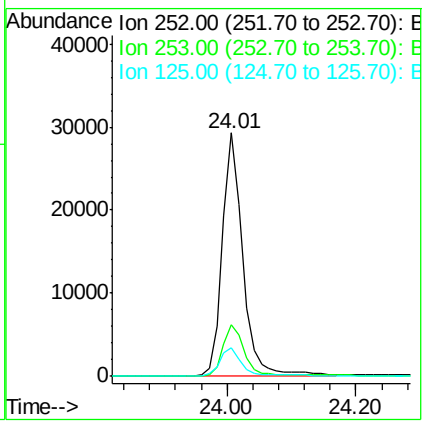


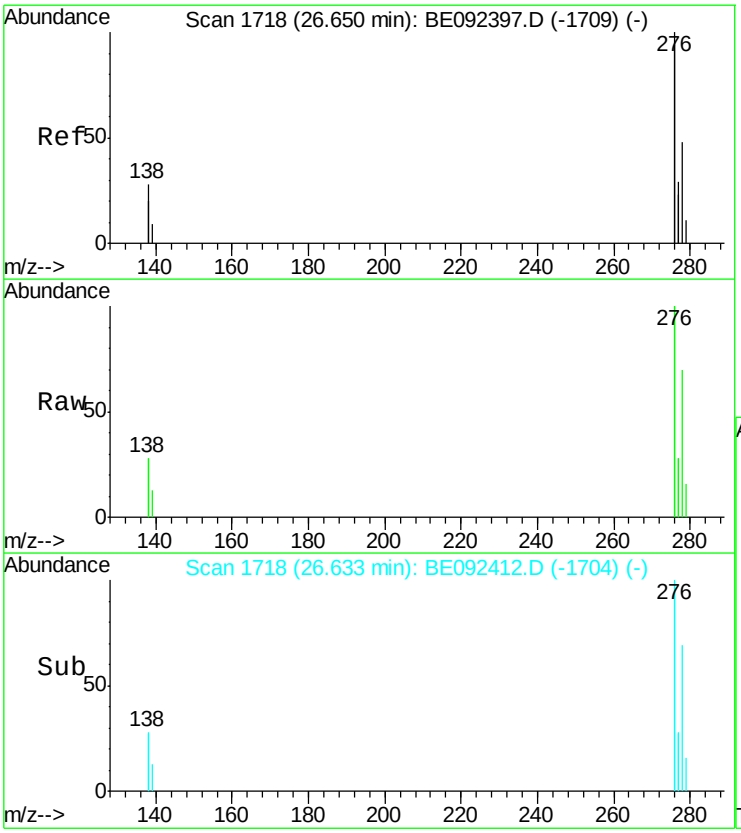
#34
Benzo(a)pyrene
Concen: 4.81 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:252 Resp: 63838

Ion	Ratio	Lower	Upper
252	100		
253	21.3	19.0	28.6
125	11.9	11.8	17.8

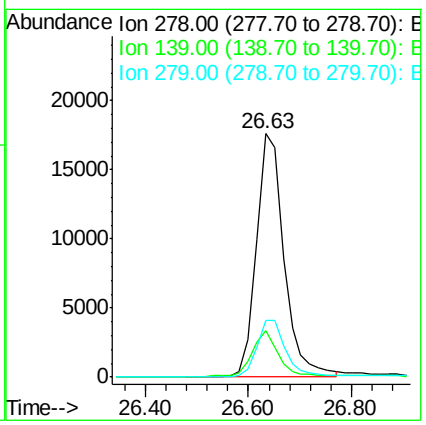


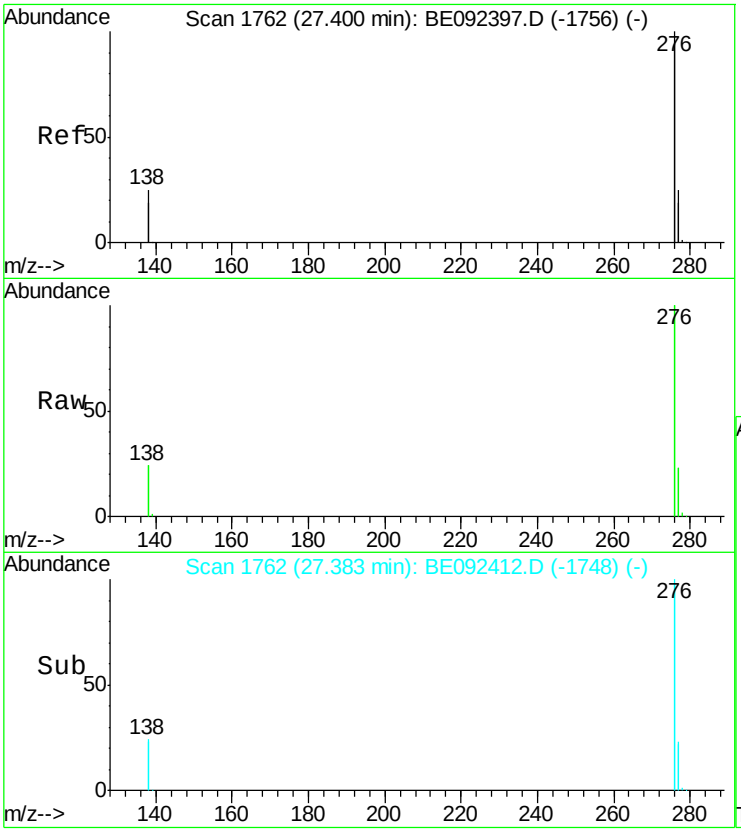


#35
Dibenzo(a,h)anthracene
Concen: 5.29 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.04 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Tgt Ion:278 Resp: 64373

Ion	Ratio	Lower	Upper
278	100		
139	19.0	13.8	20.8
279	23.5	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 2.56 ng
RT: 27.38 min Scan# 1762
Delta R.T. 0.04 min
Lab File: BE092412.D
Acq: 23 Sep 2016 12:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:276 Resp: 133947

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.8	29.8
138	24.3	19.8	29.6