Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
Data File : BE092413.D
Acq On : 23 Sep 2016 13:19
Operator : UM/SJ
Sample : H4803-21DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RR-PAH-WPDL

Quant Time: Sep 23 19:26:36 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	8.16	152	5810	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	26017	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	21435	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	45587	5.00	ng	0.02
24) Chrysene-d12	21.75	240	58269	5.00	ng	0.00
31) Perylene-d12	24.12	264	52428	5.00	ng	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	6155	4.54	ng	-0.02
5) Phenol-d6	7.33	99	7371	3.81	ng	-0.02
8) Nitrobenzene-d5	9.36	82	2818	1.61	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	2290	3.11	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	10563	2.08	ng	0.00
26) Terphenyl-d14	20.19	244	17965	2.49	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	8	Below Cal	#	19
3) n-Nitrosodimethylamine	3.91	42	4	0.20	ng	# 1
6) bis(2-Chloroethyl)ether	7.57	93	10	0.10	ng	# 15
9) Naphthalene	11.01	128	15720	2.79	ng	95
10) Hexachlorobutadiene	11.28	225	2	0.00	ng	# 18
11) 2-Methylnaphthalene	12.67	142	10	0.00	ng	# 59
15) Acenaphthylene	14.53	152	173094	5.58	ng	100
16) Acenaphthene	14.88	154	6068	1.25	ng	96
17) Fluorene	15.88	166	11504	1.87	ng	100
19) Hexachlorobenzene	16.91	284	11	0.01	ng	# 39
20) Pentachlorophenol	17.28	266	1	0.18	ng	# 72
21) Phenanthrene	17.63	178	7838	0.75	ng	# 74
22) Anthracene	17.72	178	12427	1.23	ng	100
23) Fluoranthene	19.61	202	40934	0.82	ng	100
25) Pyrene	19.97	202	52297	1.04	ng	99
27) Benzo(a)anthracene	21.72	228	150669	2.65	ng	99
28) Chrysene	21.72	228	152442	2.93	ng	# 79
29) Bis(2-ethylhexyl)phthalate	21.54	149	215	0.04	ng	# 58
30) Indeno(1,2,3-cd)pyrene	26.63	276	94973	1.72	ng	96
32) Benzo(b)fluoranthene	23.38	252	16788	1.32	ng	96
33) Benzo(k)fluoranthene	23.43	252	24046	1.81	ng	94
34) Benzo(a)pyrene	24.01	252	27371	2.20	ng	96
35) Dibenzo(a,h)anthracene	26.65	278	26609	2.33	ng	96
36) Benzo(g,h,i)perylene	27.40	276	56352	1.15	ng	98

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

Quantitation Report (Not Reviewed)

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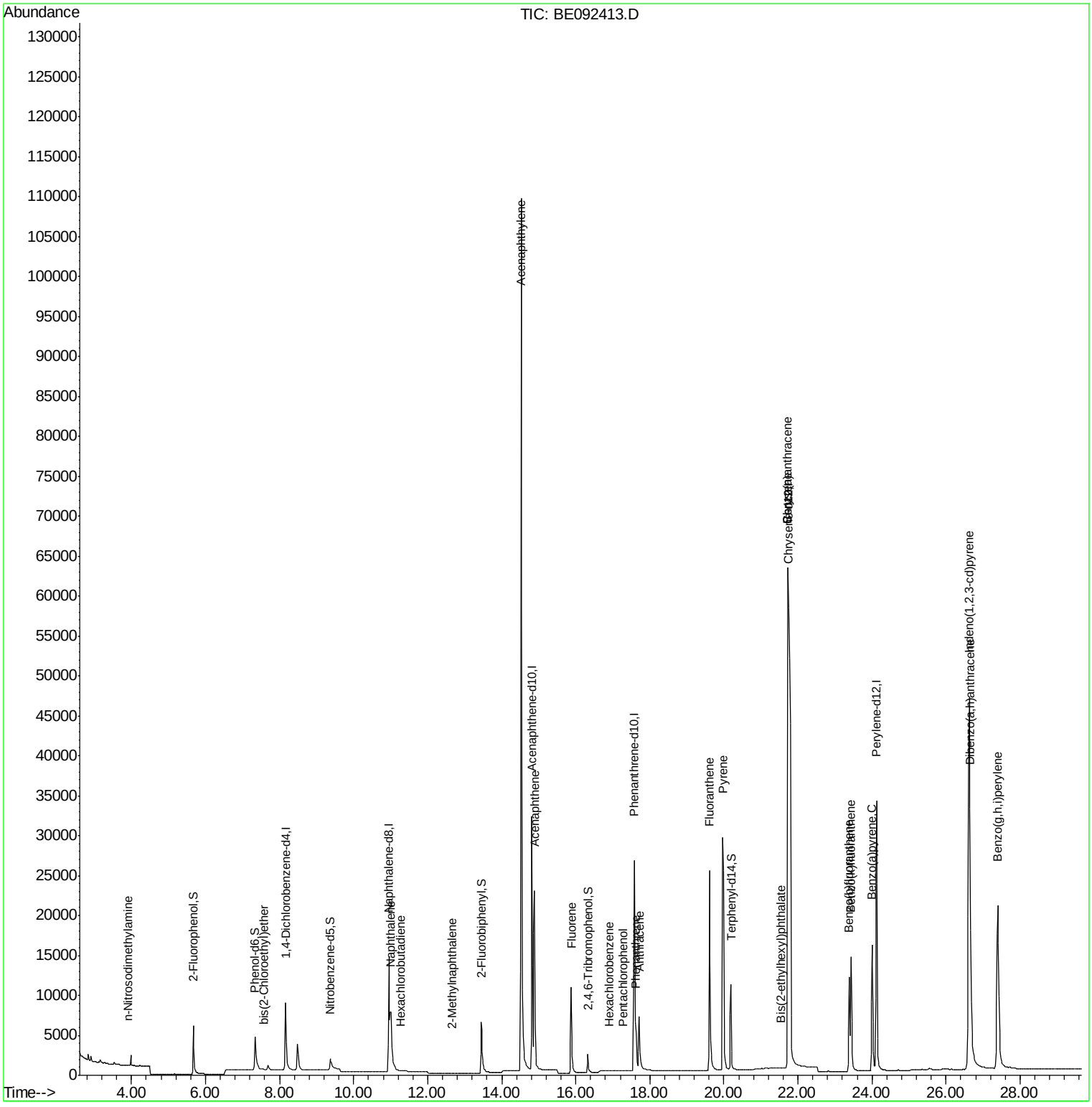
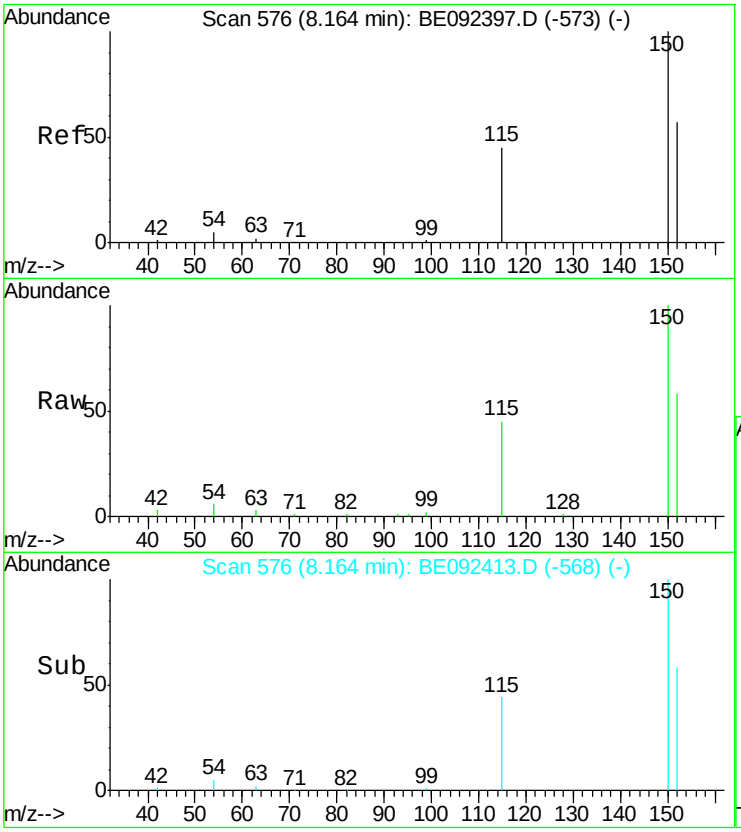
Data File : BE092413.D
Acq On : 23 Sep 2016 13:19
Operator : UM/SJ
Sample : H4803-21DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Quant Time: Sep 23 19:26:36 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



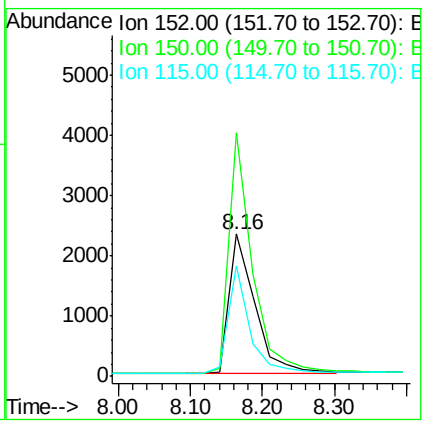


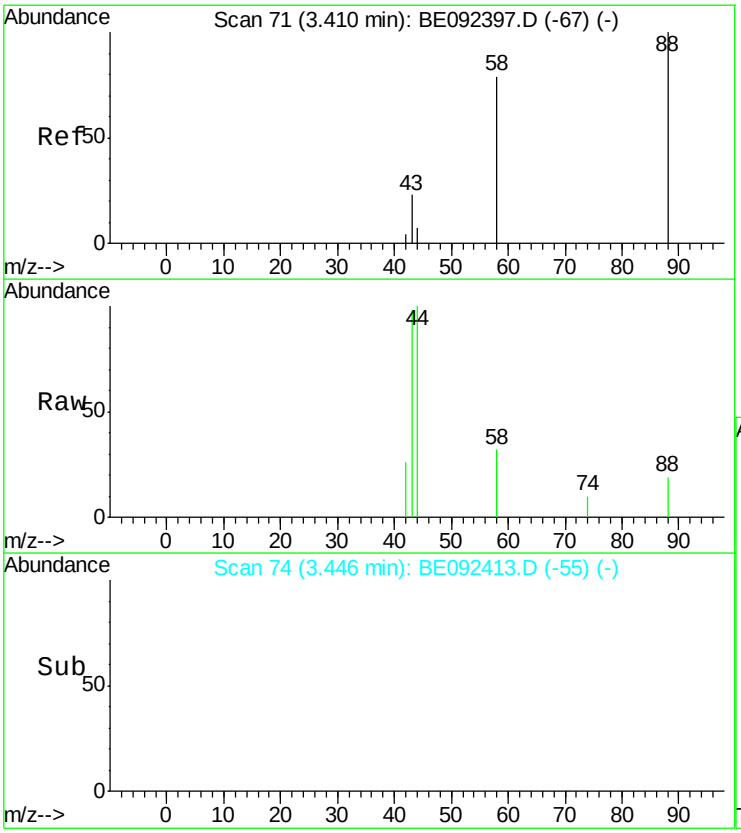
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 5810

Ion	Ratio	Lower	Upper
152	100		
150	171.2	106.0	159.0#
115	77.6	31.2	46.8#

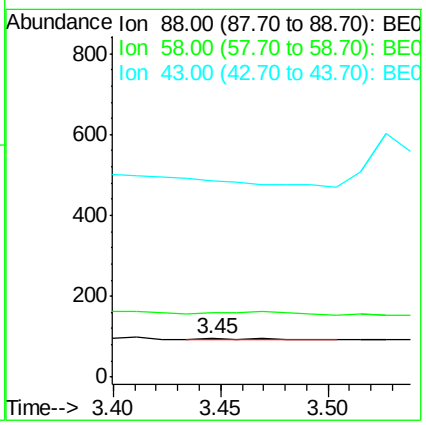


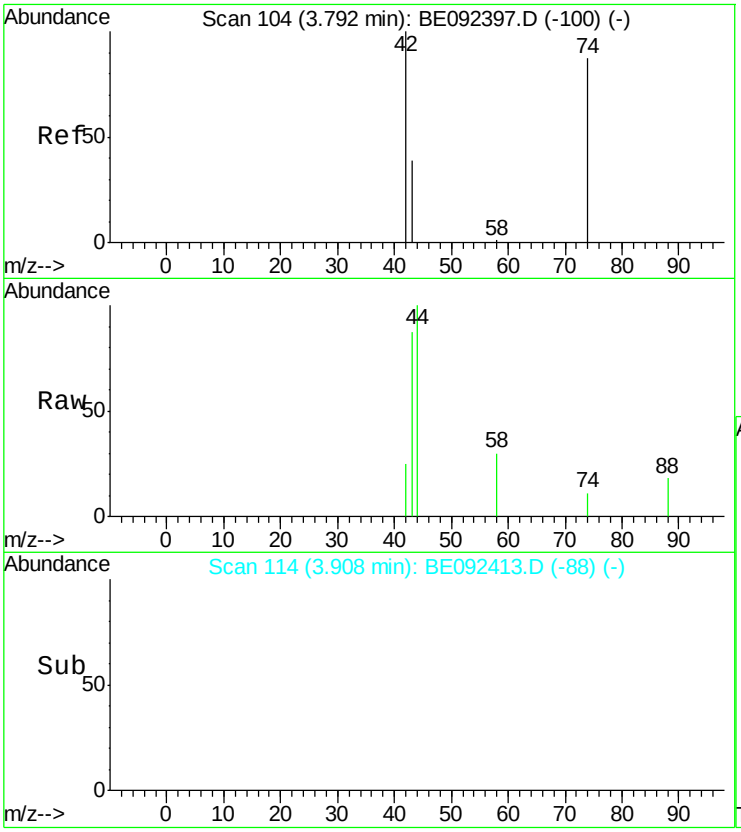


#2
1,4-Dioxane
Concen: Below Cal
RT: 3.45 min Scan# 74
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion: 88 Resp: 8

Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.6	95.4#
43	0.0	28.0	42.0#



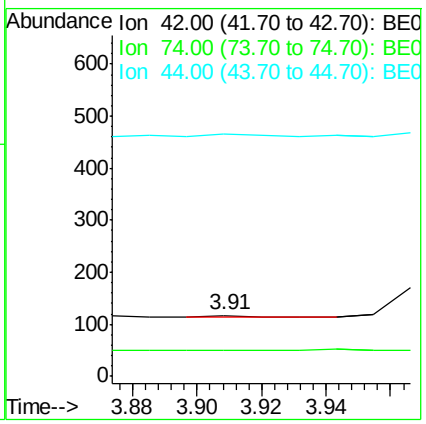


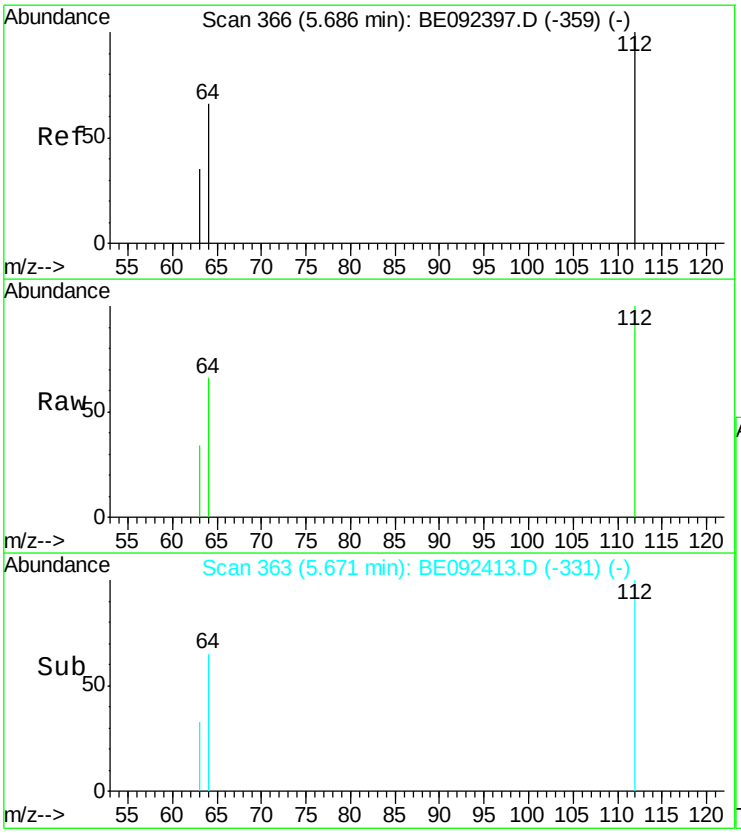
#3
n-Nitrosodimethylamine
Concen: 0.20 ng
RT: 3.91 min Scan# 114
Delta R.T. 0.11 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 42 Resp: 4

Ion	Ratio	Lower	Upper
42	100		
74	0.0	86.0	129.0#
44	200.0	5.1	7.7#

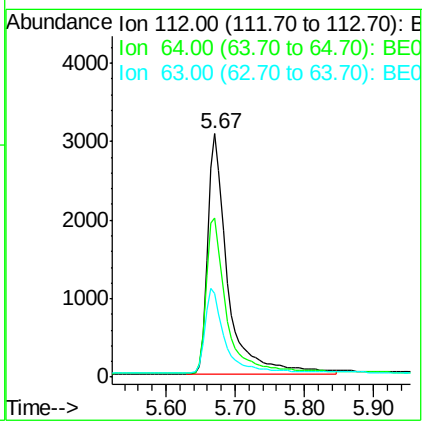


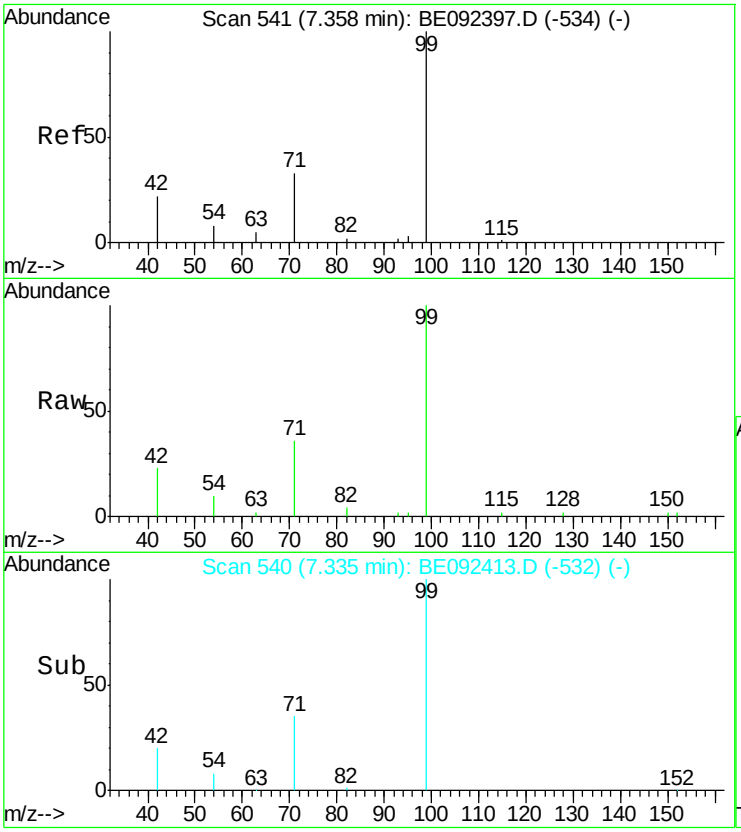


#4
2-Fluorophenol
Concen: 4.54 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:112 Resp: 6155

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.5	80.3
63	35.9	27.9	41.9



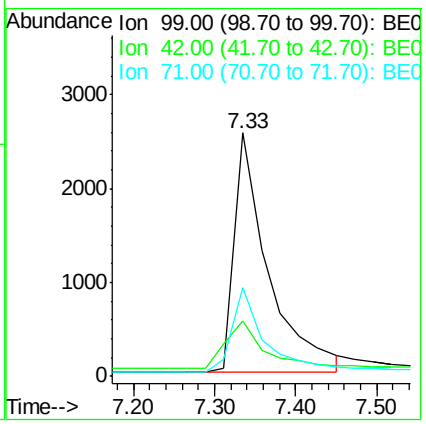


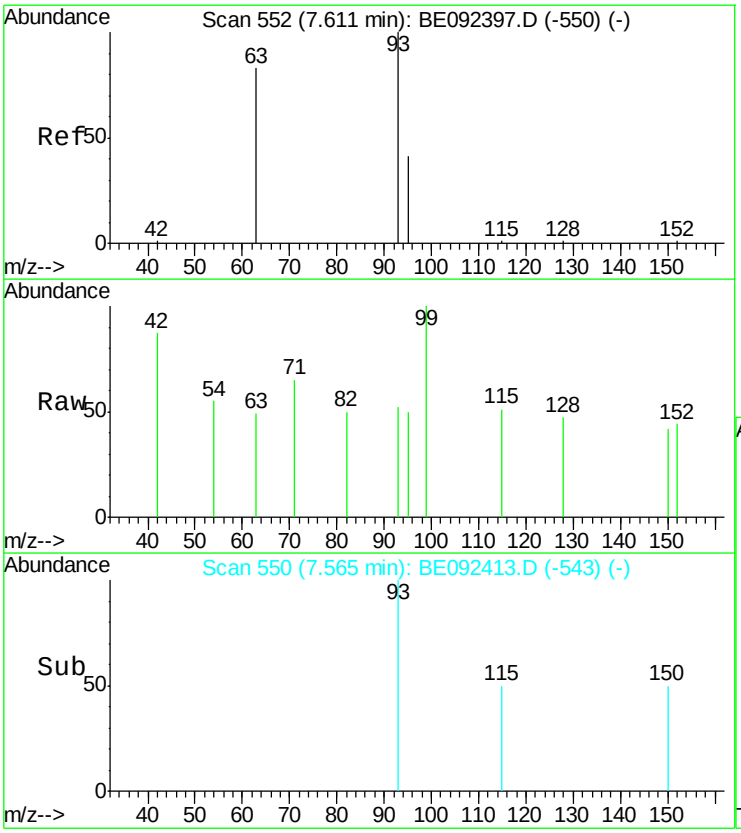
#5
Phenol-d6
Concen: 3.81 ng
RT: 7.33 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 99 Resp: 7371

Ion	Ratio	Lower	Upper
99	100		
42	23.2	16.0	24.0
71	33.9	30.6	45.8

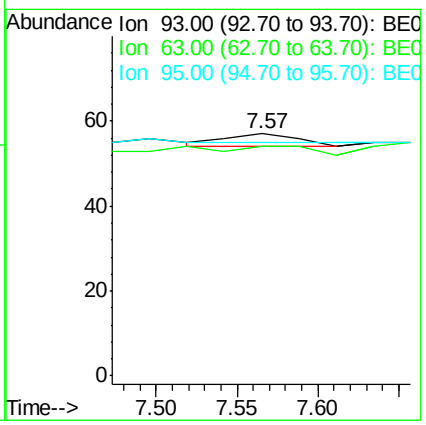


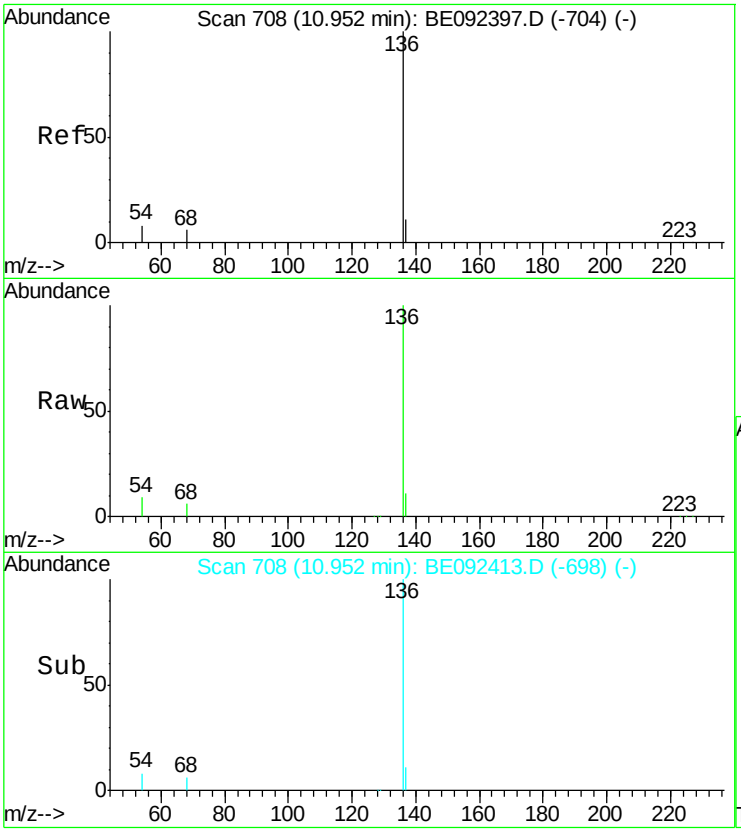


#6
bis(2-Chloroethyl)ether
Concen: 0.10 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion: 93 Resp: 10

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



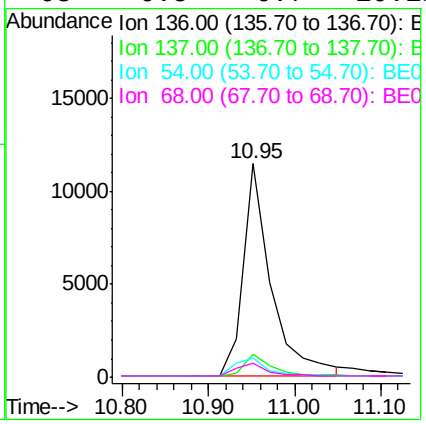


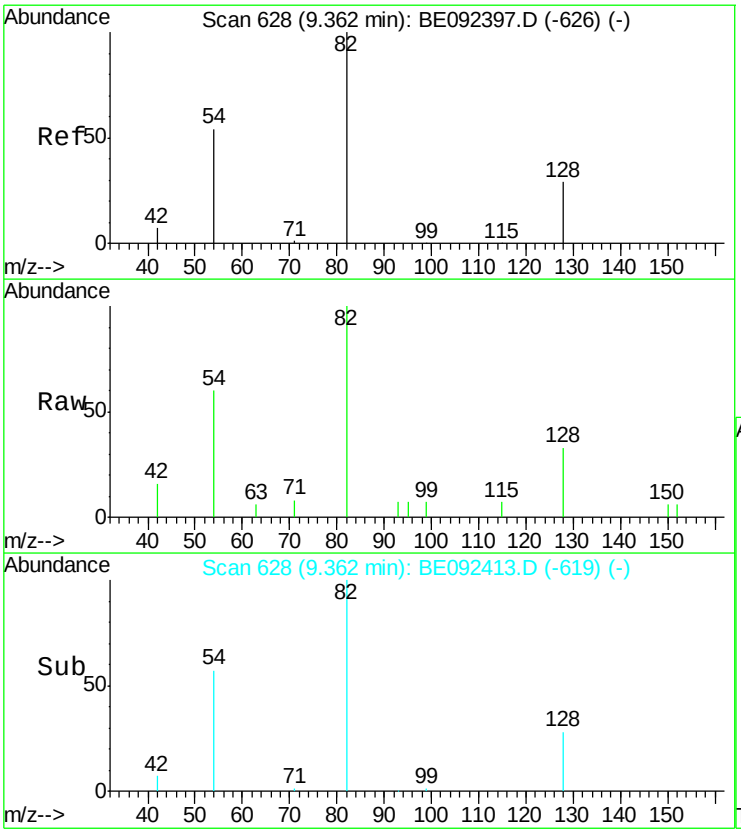
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:136 Resp: 26017

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	8.8	9.6	14.4#
68	6.5	6.7	10.1#

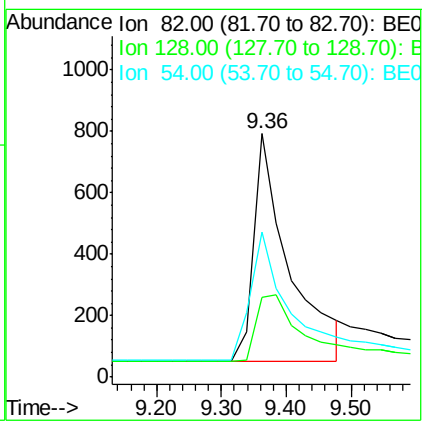


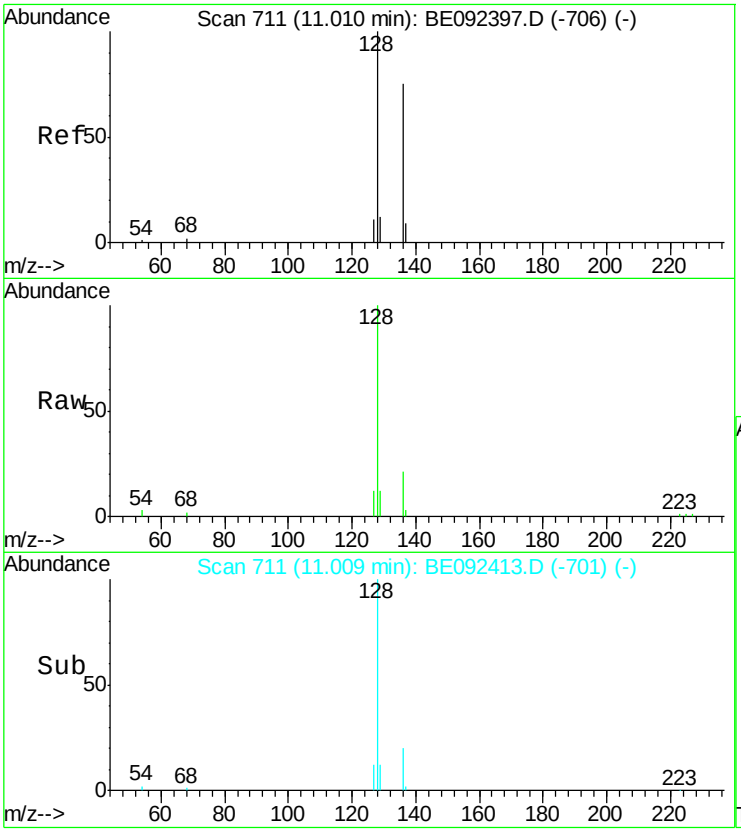


#8
Nitrobenzene-d5
Concen: 1.61 ng
RT: 9.36 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion: 82 Resp: 2818

Ion	Ratio	Lower	Upper
82	100		
128	32.5	39.0	58.4#
54	59.6	44.8	67.2



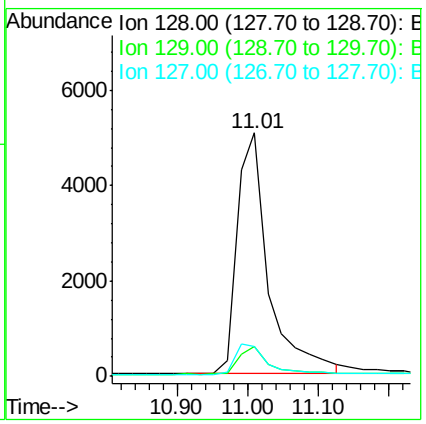


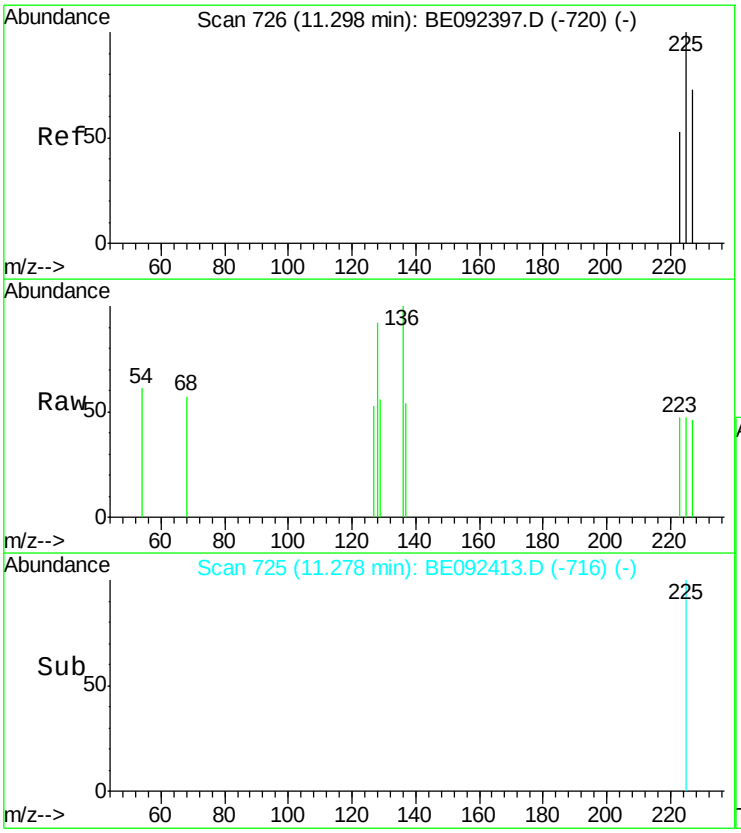
#9
Naphthalene
Concen: 2.79 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:128 Resp: 15720

Ion	Ratio	Lower	Upper
128	100		
129	12.5	11.2	16.8
127	12.3	11.6	17.4

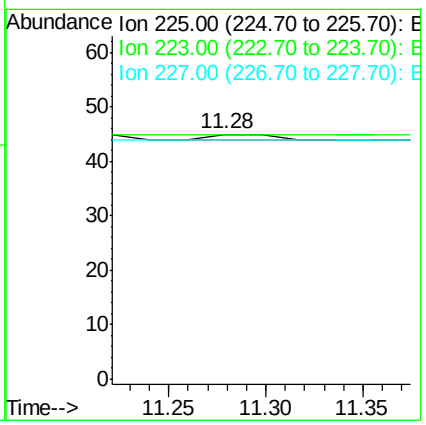


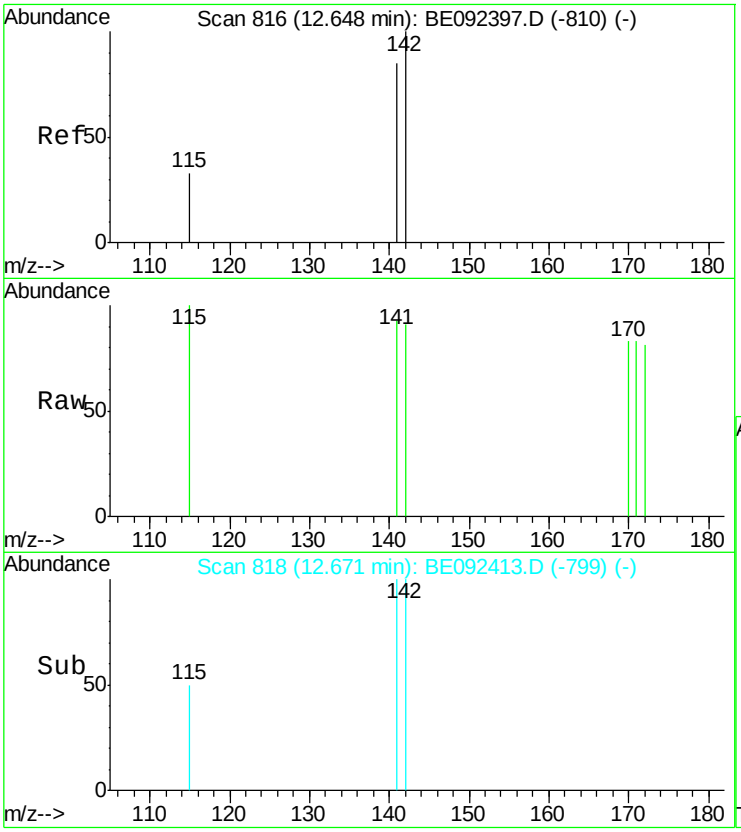


#10
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:225 Resp: 2

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



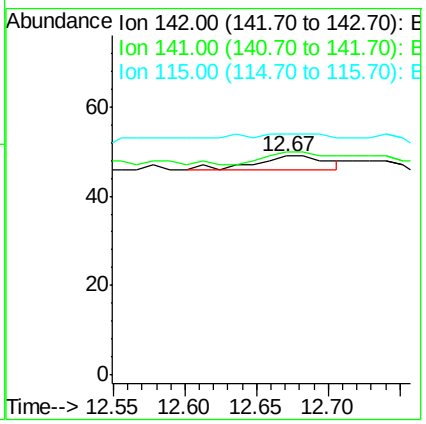


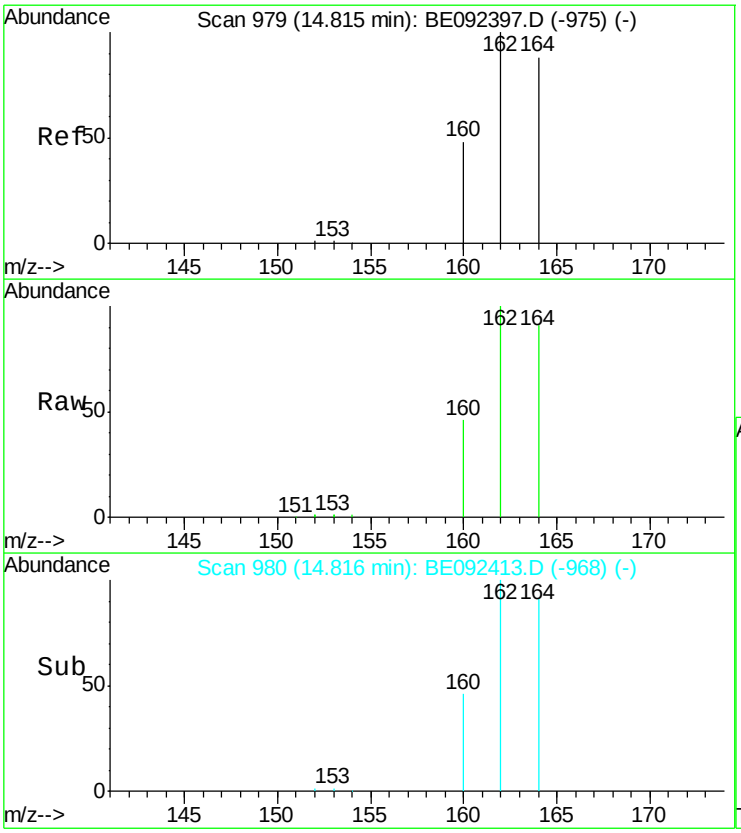
#11
2-Methylnaphthalene
Concen: 0.00 ng
RT: 12.67 min Scan# 818
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:142 Resp: 10

Ion	Ratio	Lower	Upper
142	100		
141	102.0	73.7	110.5
115	110.2	34.0	51.0#

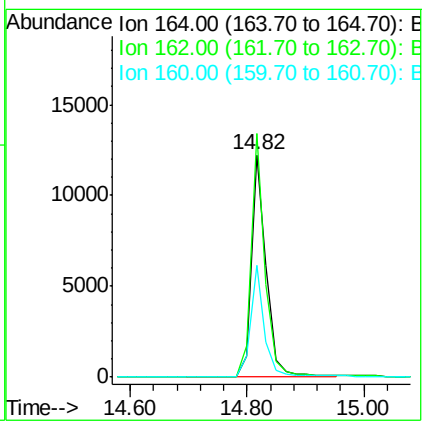


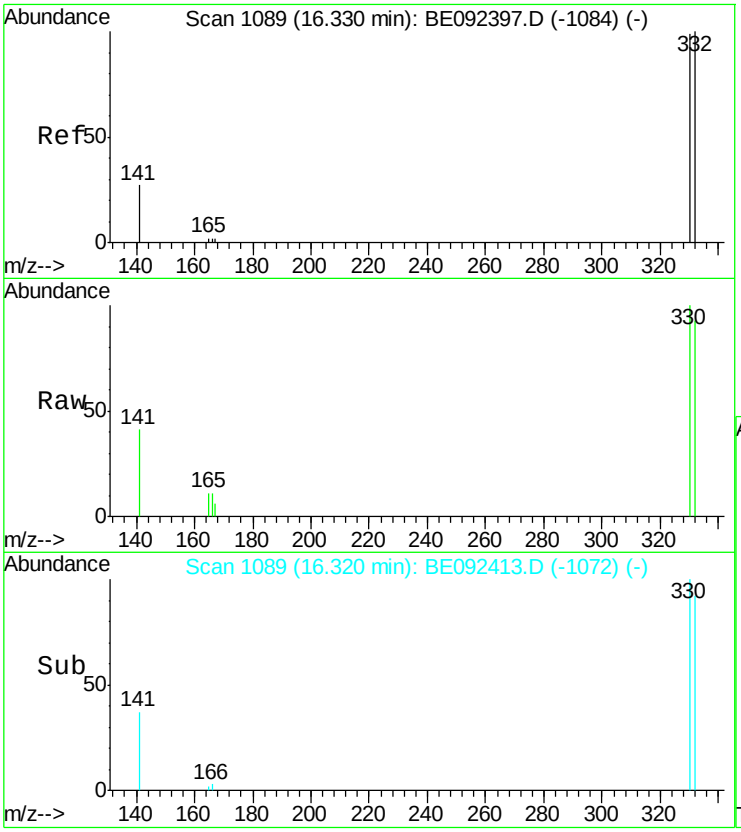


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:164 Resp: 21435

Ion	Ratio	Lower	Upper
164	100		
162	109.5	71.4	107.0#
160	50.0	27.4	41.2#



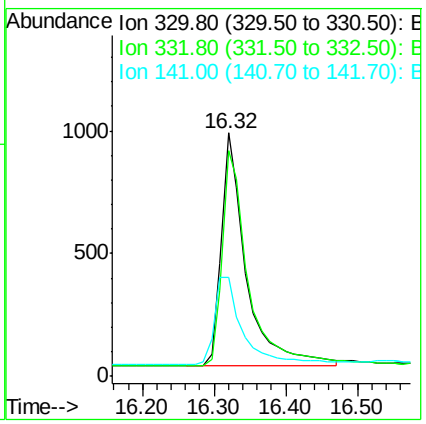


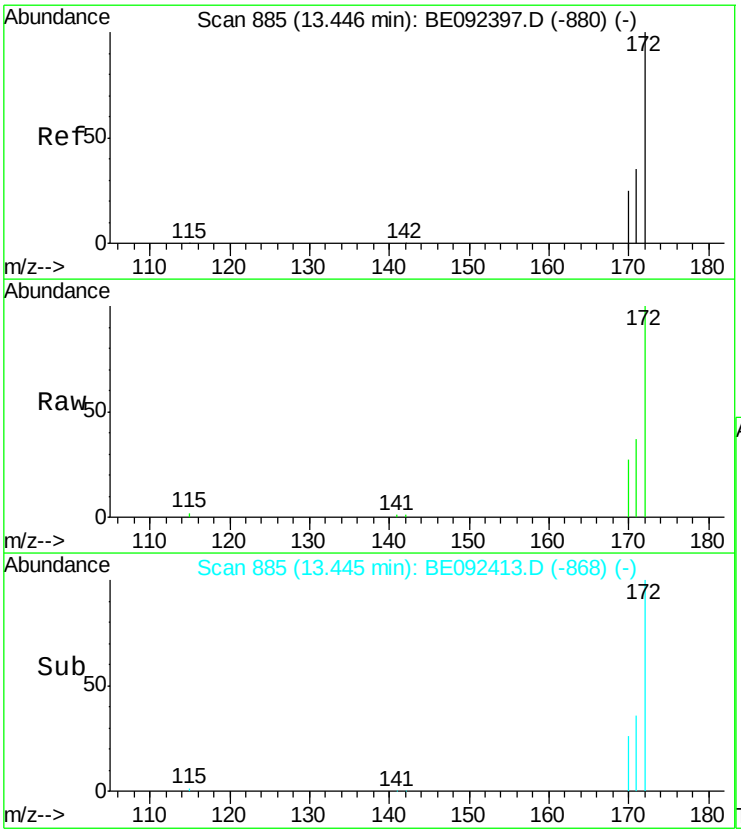
#13
2,4,6-Tribromophenol
Concen: 3.11 ng
RT: 16.32 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:330 Resp: 2290

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.4	113.0
141	42.4	31.0	46.6

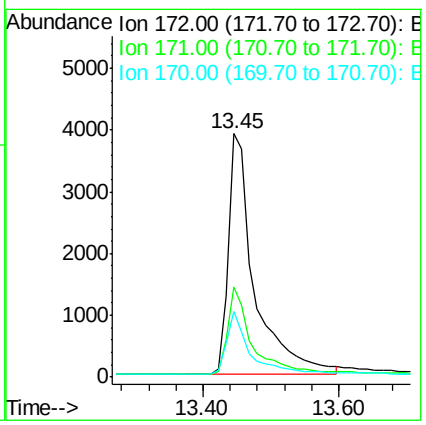


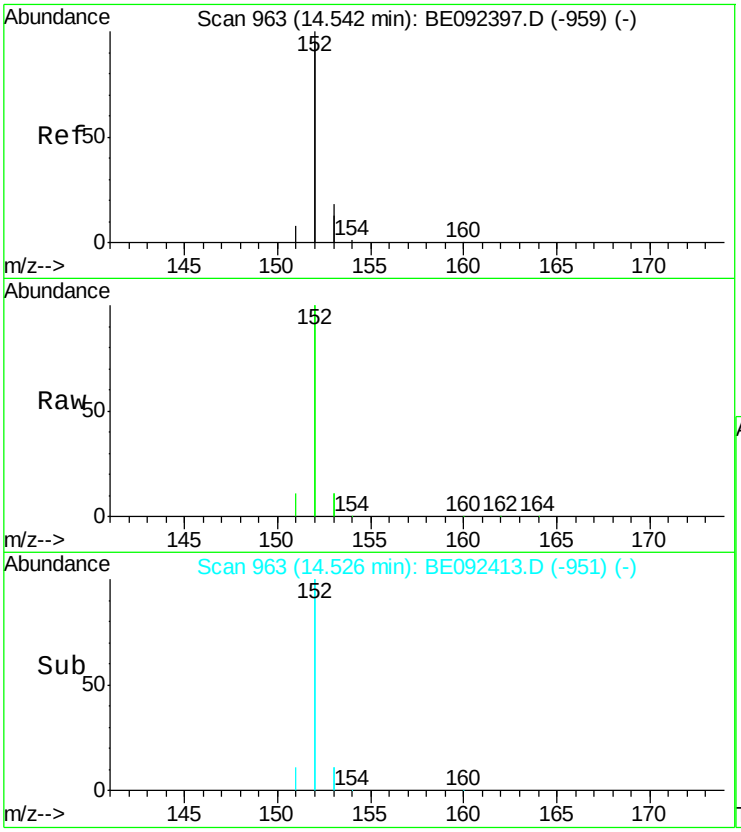


#14
2-Fluorobiphenyl
Concen: 2.08 ng
RT: 13.45 min Scan# 885
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:172 Resp: 10563

Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.1	45.1
170	26.8	21.8	32.6



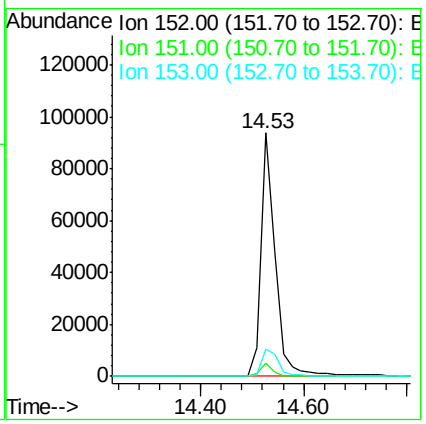


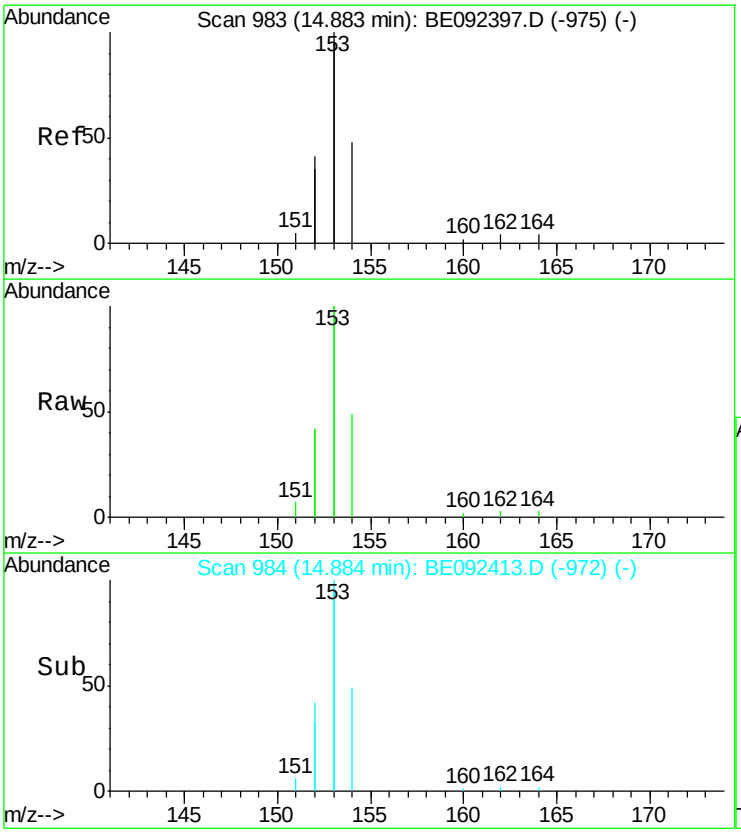
#15
Acenaphthylene
Concen: 5.58 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 173094

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.1	10.4	15.6

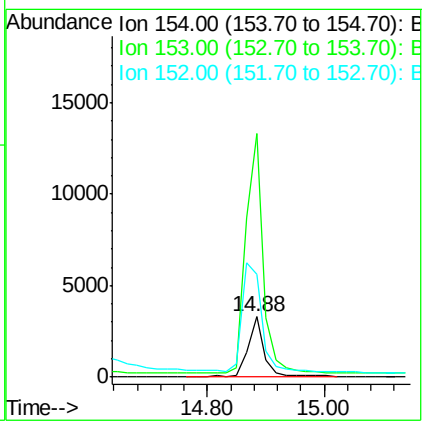


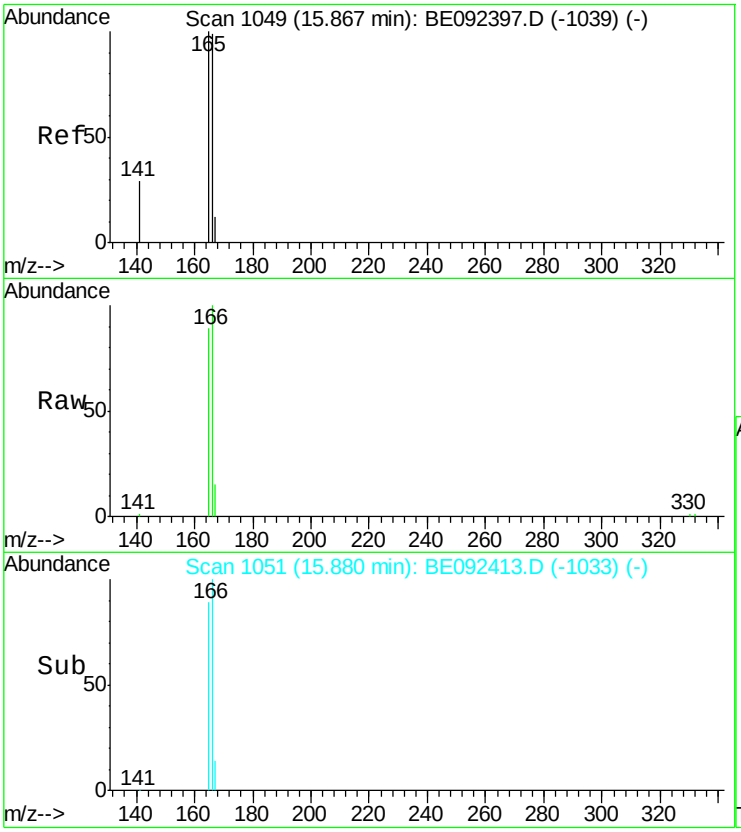


#16
Acenaphthene
Concen: 1.25 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:154 Resp: 6068

Ion	Ratio	Lower	Upper
154	100		
153	444.1	350.8	526.2
152	227.4	171.1	256.7



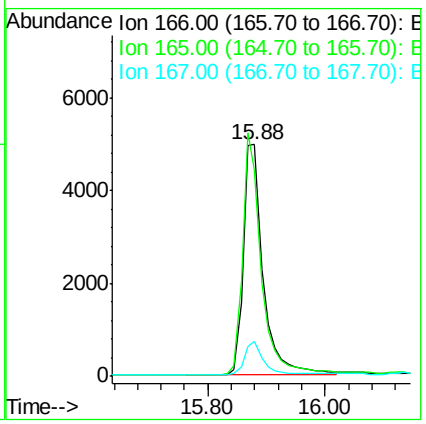


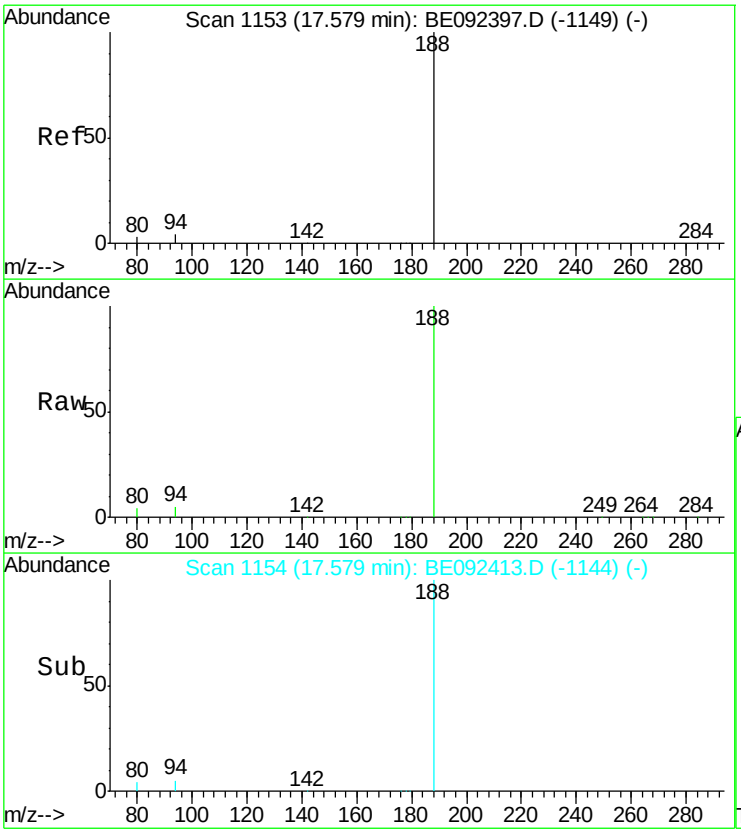
#17
Fluorene
Concen: 1.87 ng
RT: 15.88 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:166 Resp: 11504

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.2	117.4
167	13.3	11.0	16.4

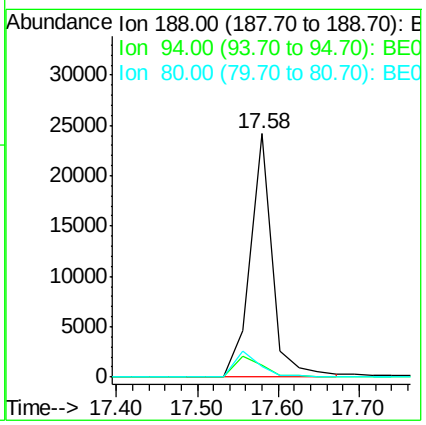


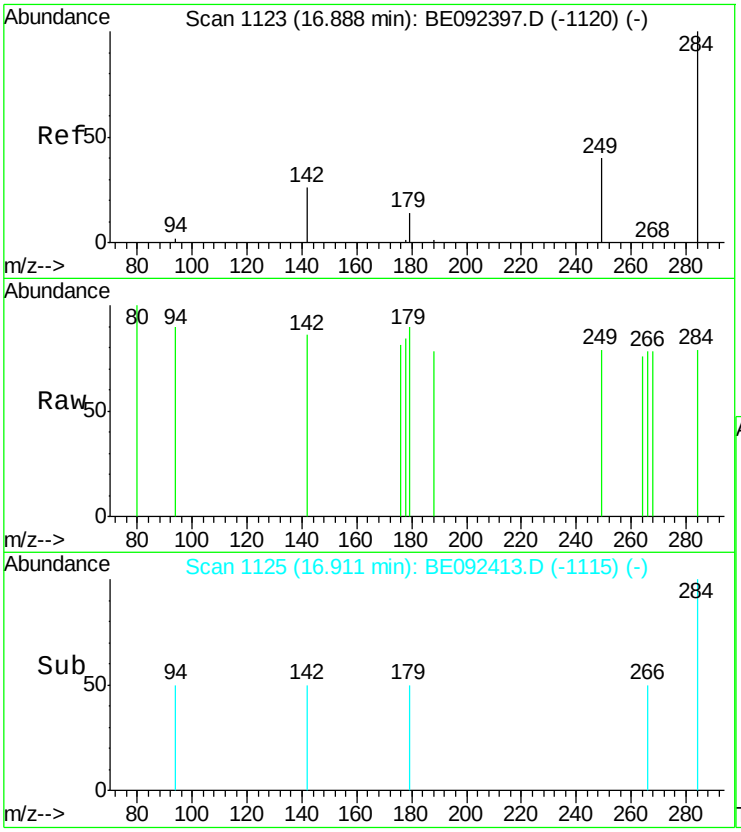


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:188 Resp: 45587

Ion	Ratio	Lower	Upper
188	100		
94	4.8	3.2	4.8#
80	4.3	2.6	3.8#



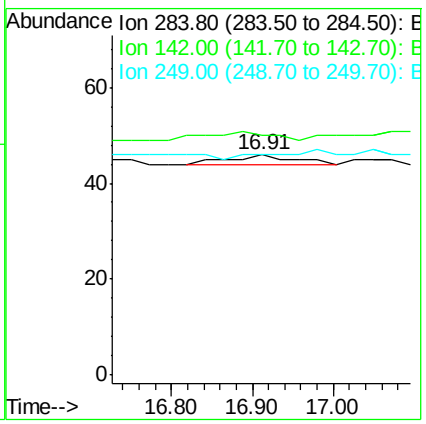


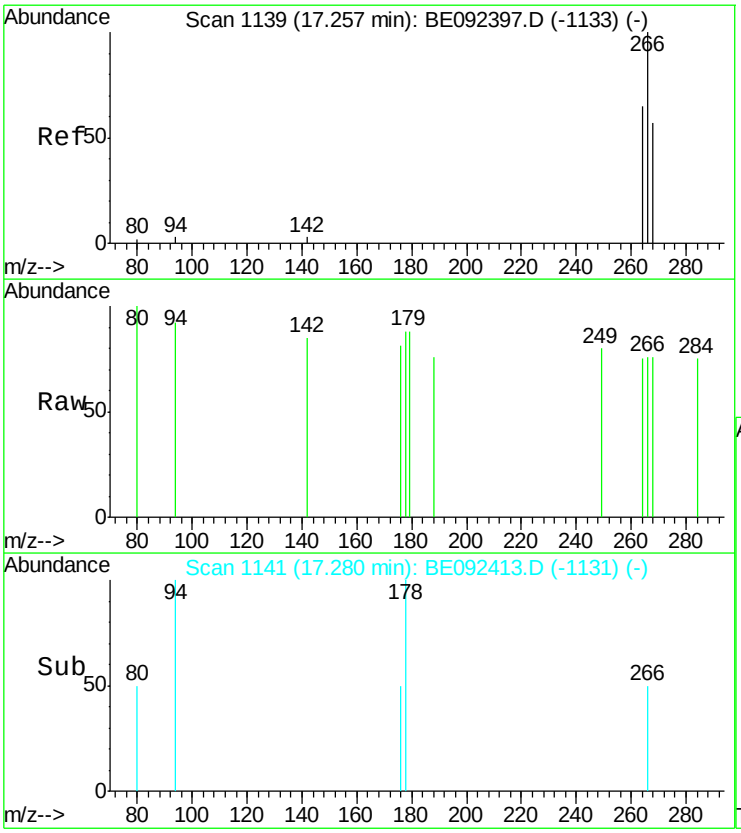
#19
Hexachlorobenzene
Concen: 0.01 ng
RT: 16.91 min Scan# 1125
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:284 Resp: 11

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	0.0	27.9	41.9#

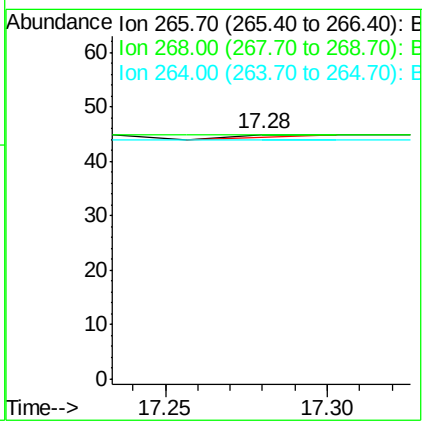


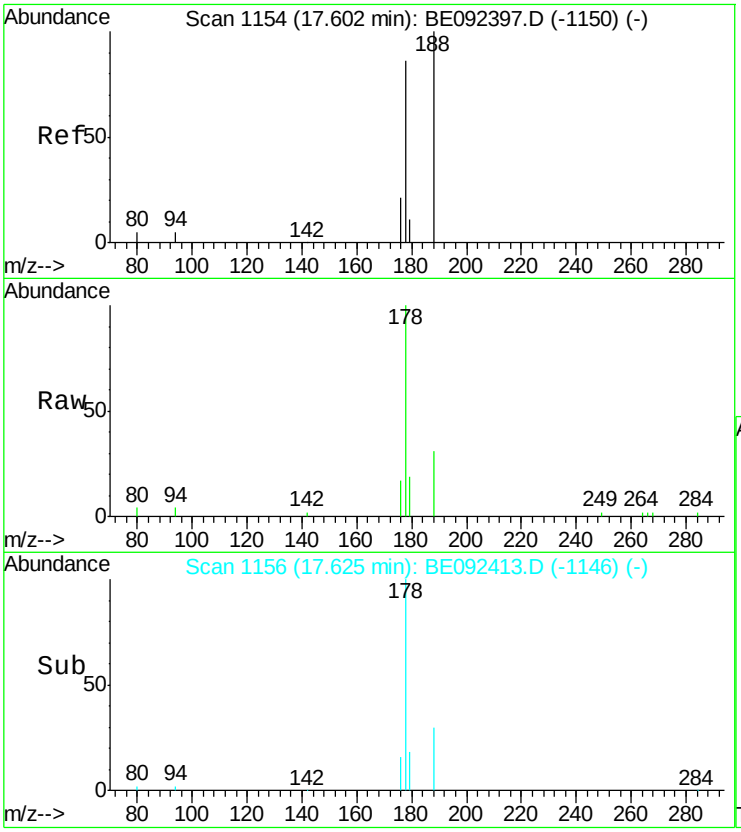


#20
Pentachlorophenol
Concen: 0.18 ng
RT: 17.28 min Scan# 1141
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:266 Resp: 1

Ion	Ratio	Lower	Upper
266	100		
268	100.0	62.5	93.7#
264	97.8	57.2	85.8#



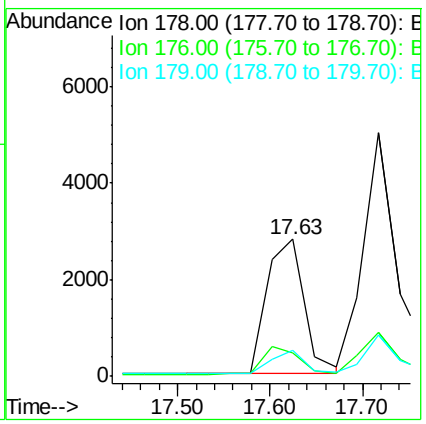


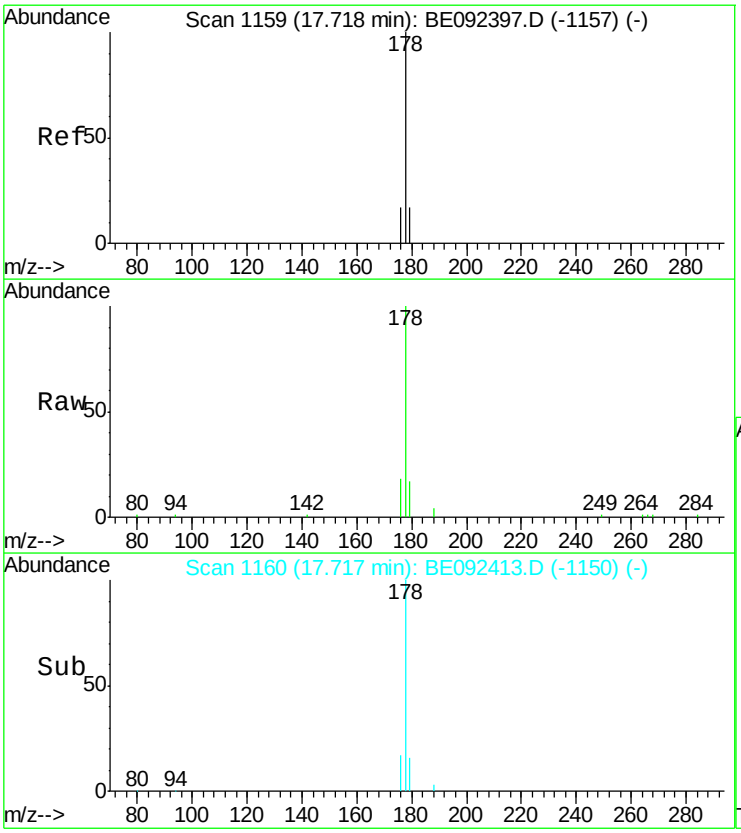
#21
Phenanthrene
Concen: 0.75 ng
RT: 17.63 min Scan# 1156
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:178 Resp: 7838

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	15.7	16.0	24.0#

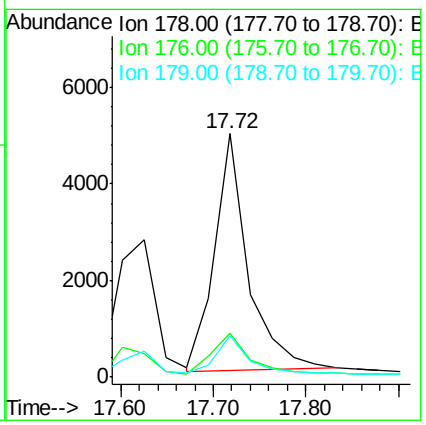


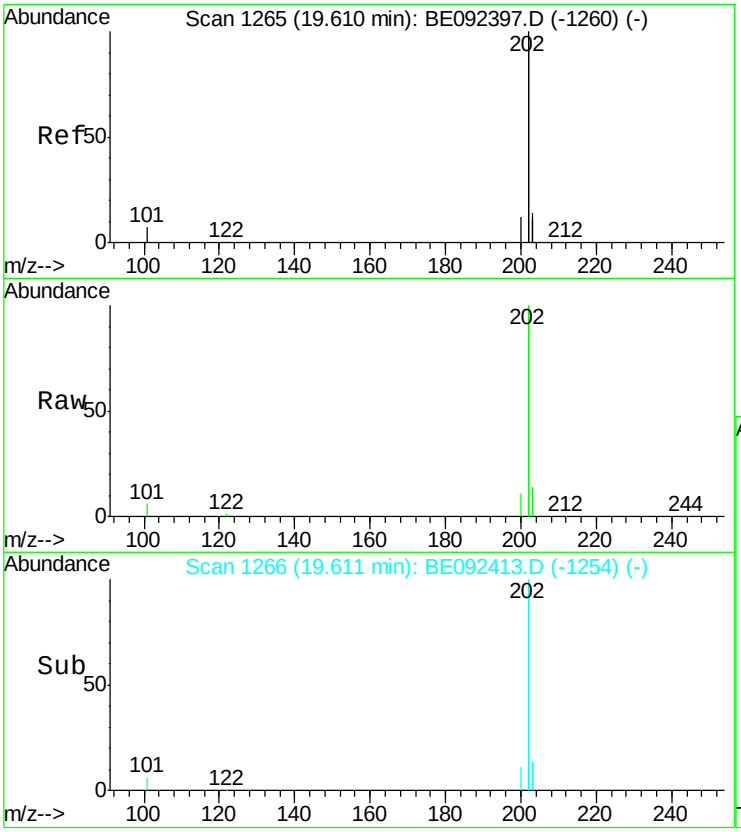


#22
Anthracene
Concen: 1.23 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:178 Resp: 12427

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.5	12.2	18.2



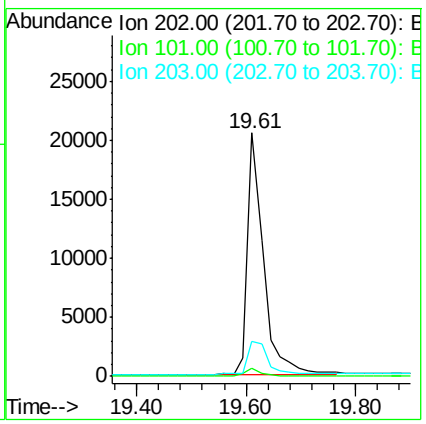


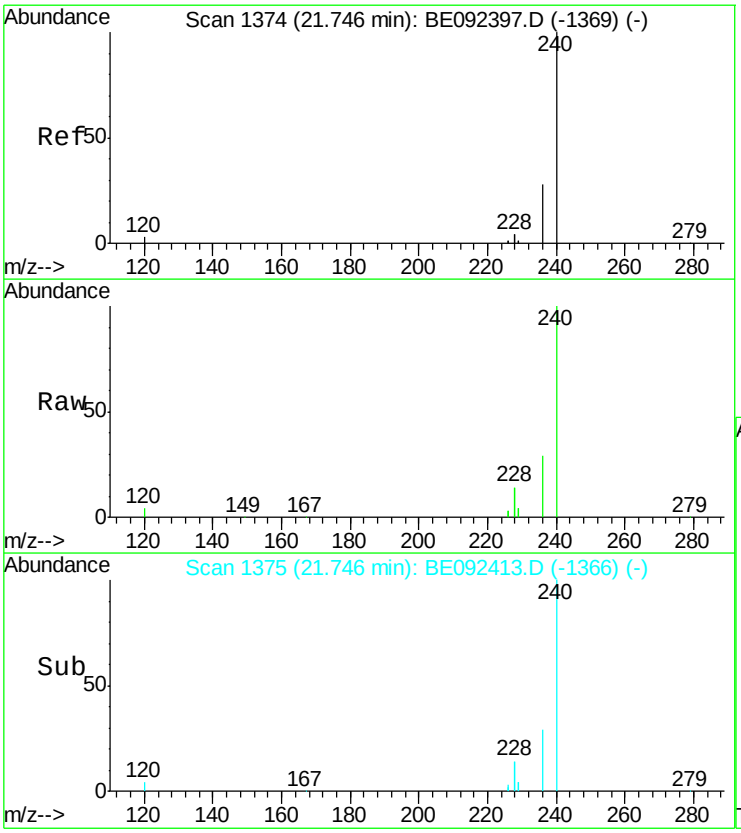
#23
Fluoranthene
Concen: 0.82 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:202 Resp: 40934

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.2	13.7	20.5

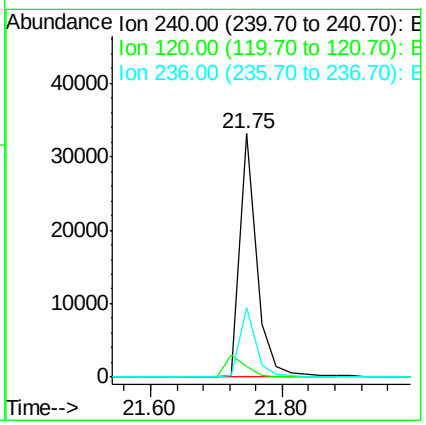


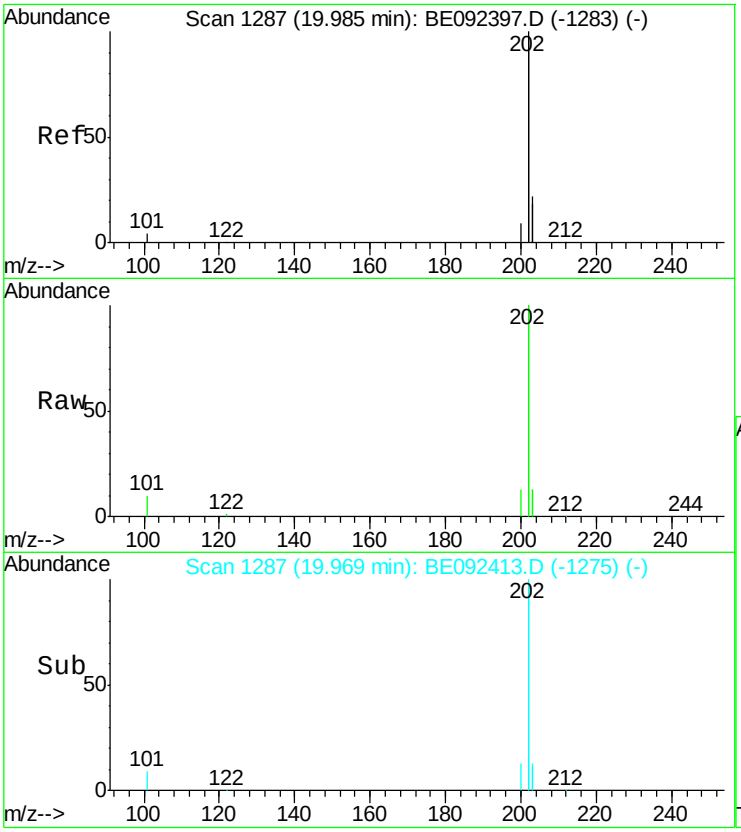


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:240 Resp: 58269

Ion	Ratio	Lower	Upper
240	100		
120	4.5	2.6	4.0#
236	28.8	24.6	37.0



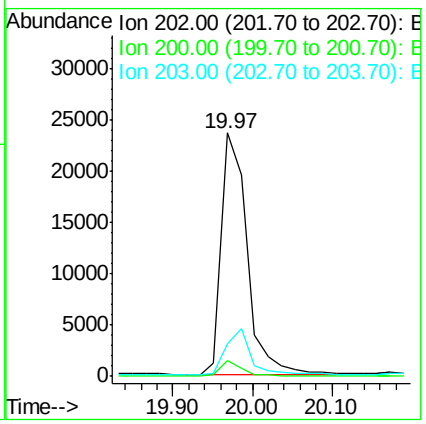


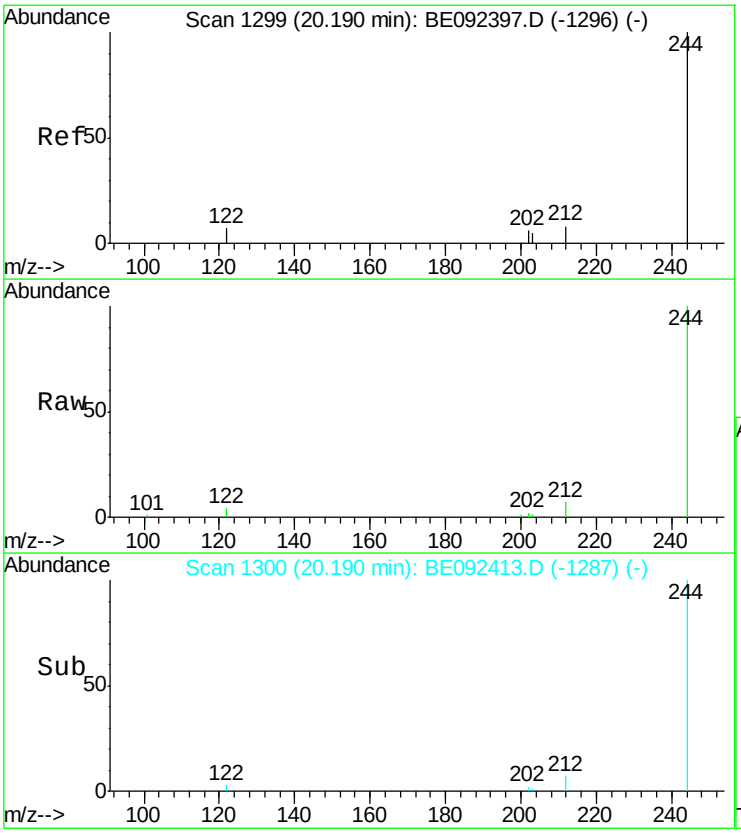
#25
Pyrene
Concen: 1.04 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:202 Resp: 52297

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.9	13.9	20.9

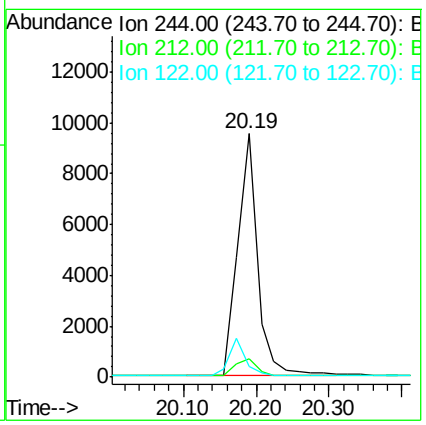


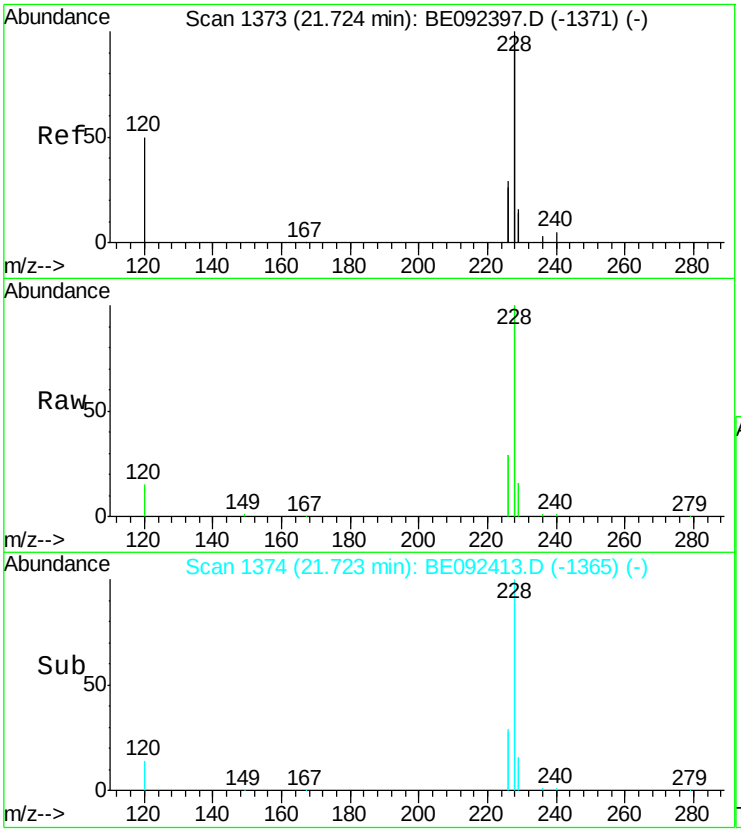


#26
Terphenyl-d14
Concen: 2.49 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:244 Resp: 17965

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.7	10.1
122	4.3	3.6	5.4



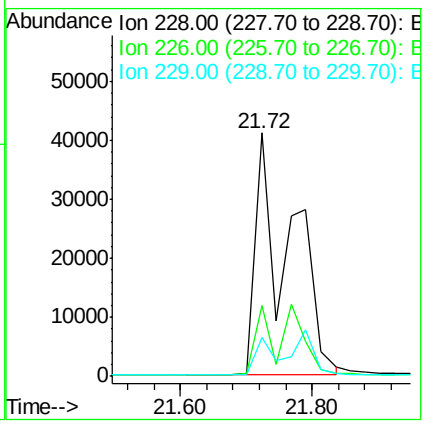


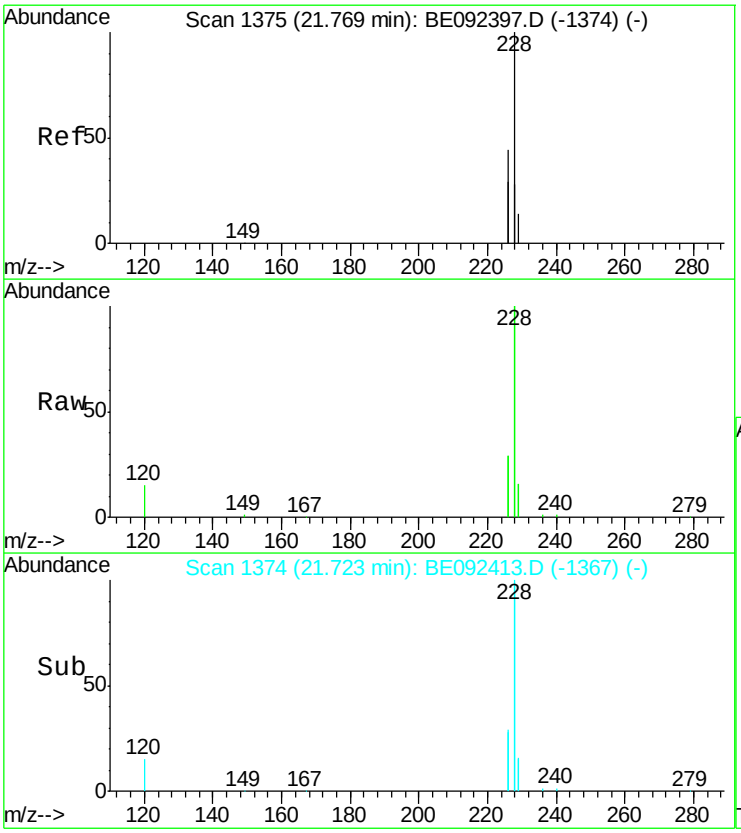
#27
Benzo(a)anthracene
Concen: 2.65 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:228 Resp: 150669

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.6	35.4
229	16.0	13.3	19.9

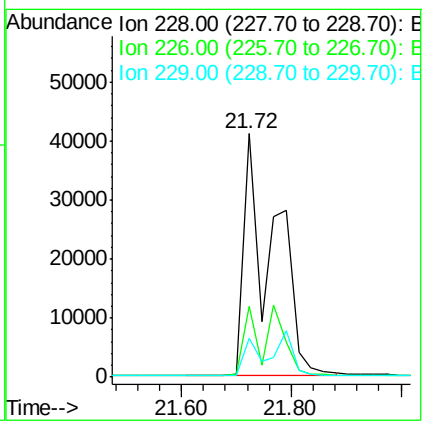


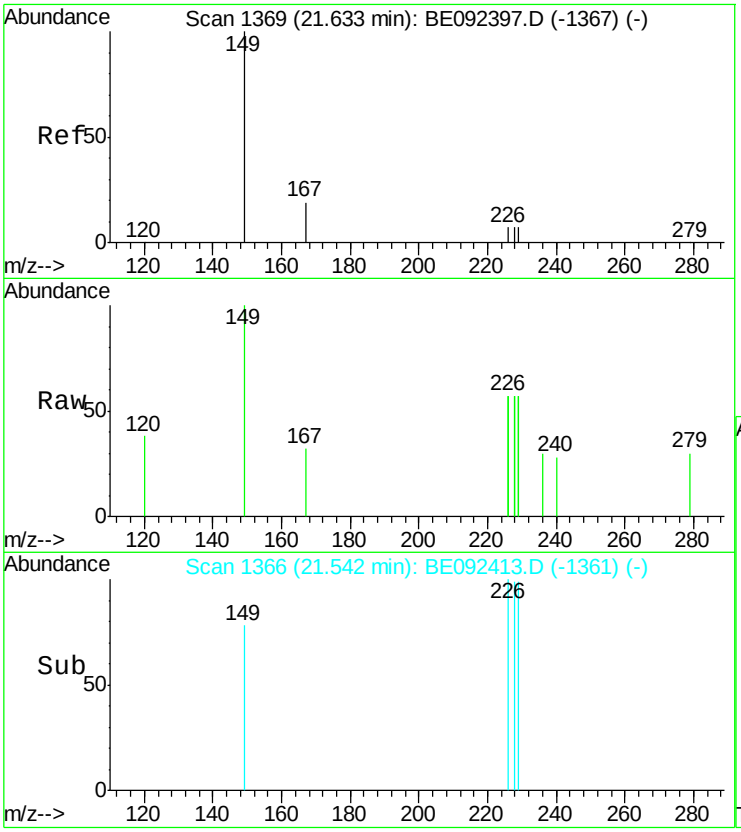


#28
Chrysene
Concen: 2.93 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:228 Resp: 152442

Ion	Ratio	Lower	Upper
228	100		
226	29.1	36.3	54.5#
229	16.0	10.6	16.0



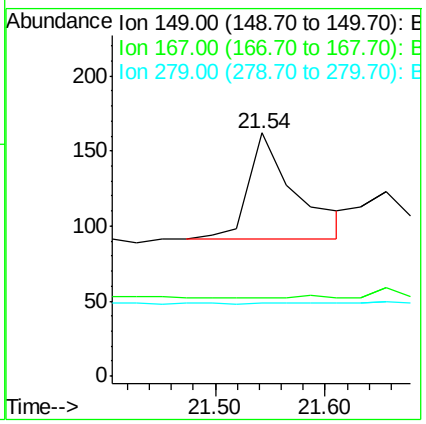


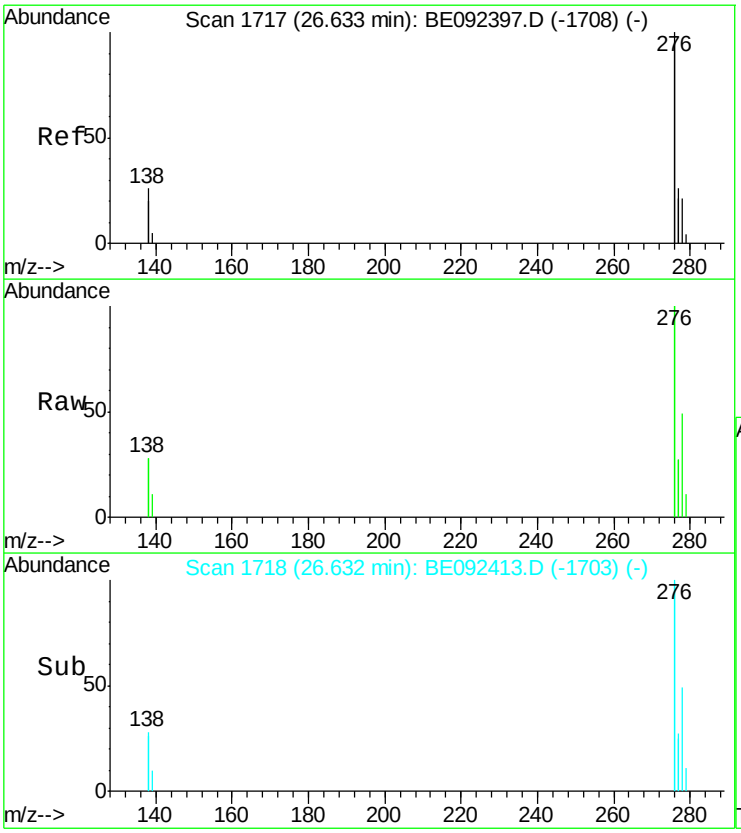
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.04 ng
RT: 21.54 min Scan# 1366
Delta R.T. -0.09 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:149 Resp: 215

Ion	Ratio	Lower	Upper
149	100		
167	0.0	16.0	24.0#
279	1.4	16.0	24.0#

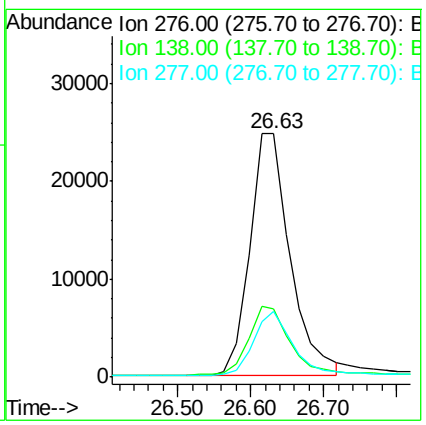


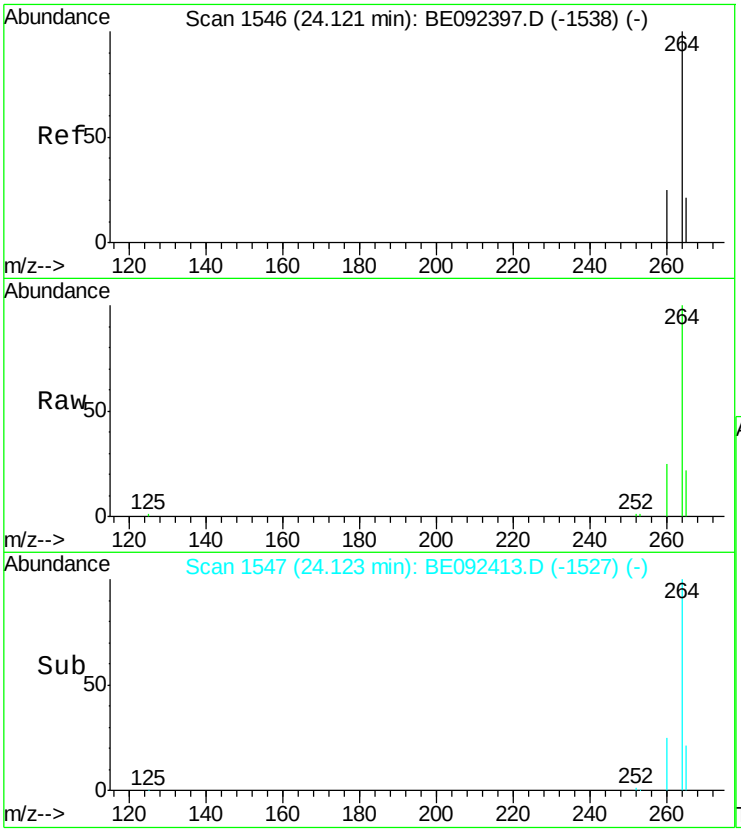


#30
Indeno(1,2,3-cd)pyrene
Concen: 1.72 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:276 Resp: 94973

Ion	Ratio	Lower	Upper
276	100		
138	28.9	20.3	30.5
277	25.0	19.7	29.5



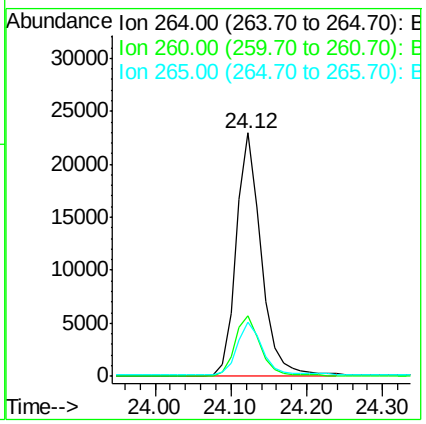


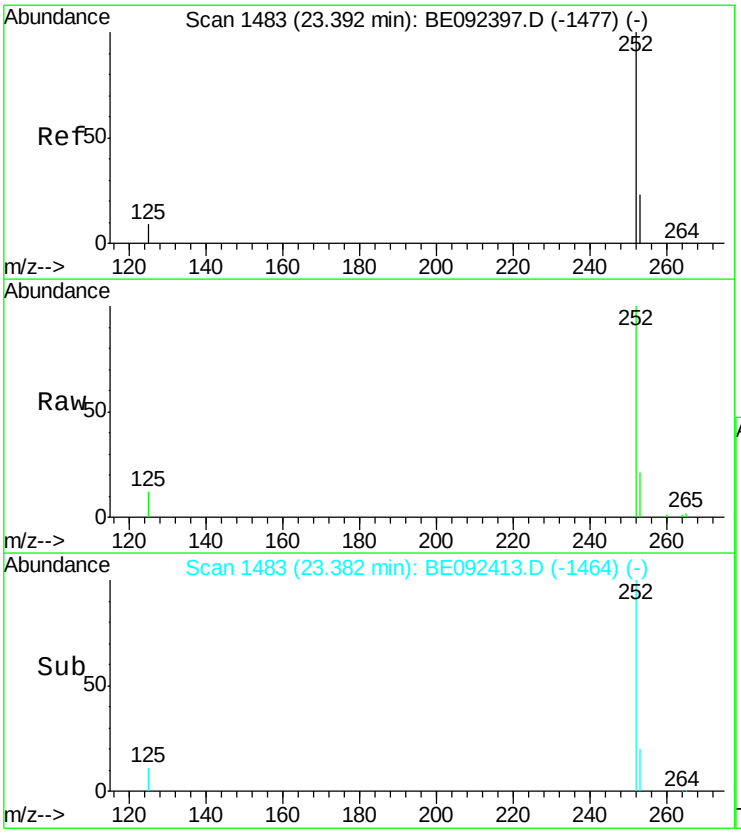
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.04 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:264 Resp: 52428

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	22.1	17.9	26.9

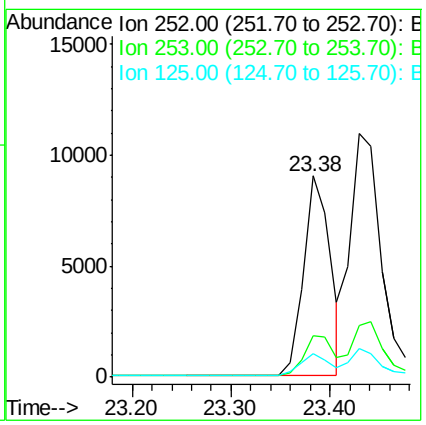


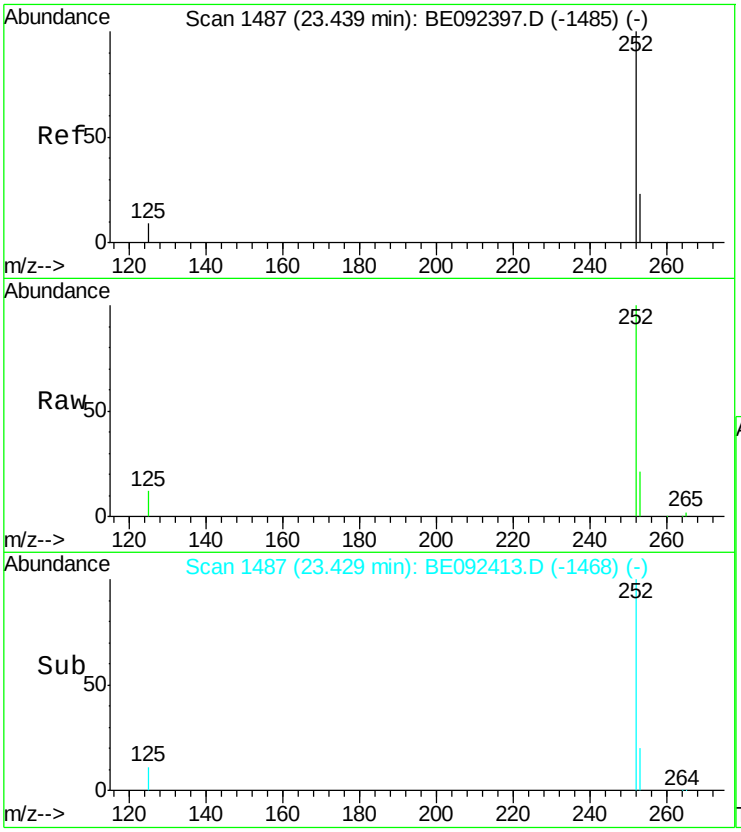


#32
Benzo(b)fluoranthene
Concen: 1.32 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:252 Resp: 16788

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.7	28.1
125	11.8	10.5	15.7



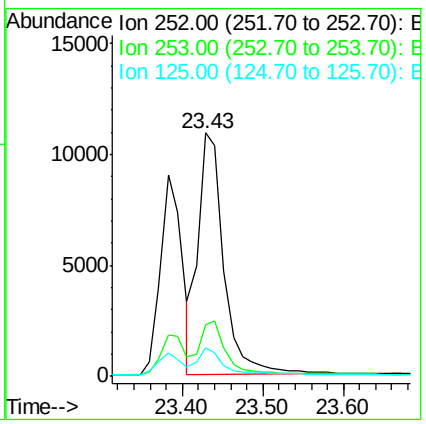


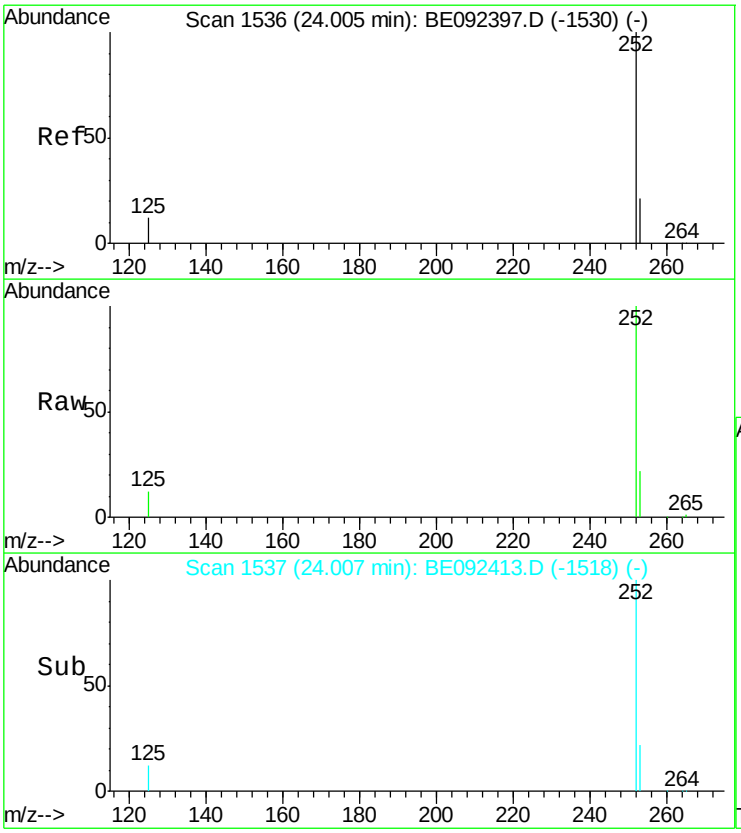
#33
Benzo(k)fluoranthene
Concen: 1.81 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:252 Resp: 24046

Ion	Ratio	Lower	Upper
252	100		
253	21.2	20.3	30.5
125	11.5	9.6	14.4

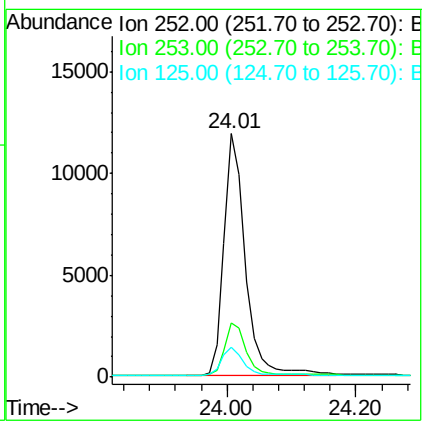


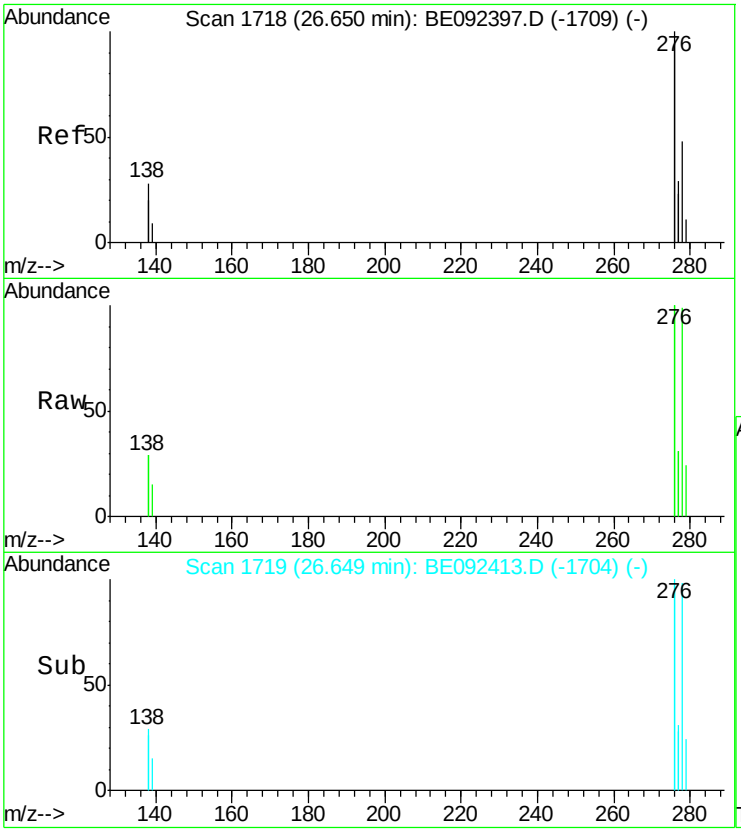


#34
Benzo(a)pyrene
Concen: 2.20 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:252 Resp: 27371

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.0	28.6
125	12.4	11.8	17.8



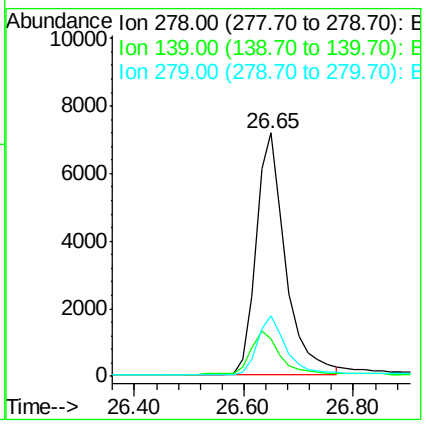


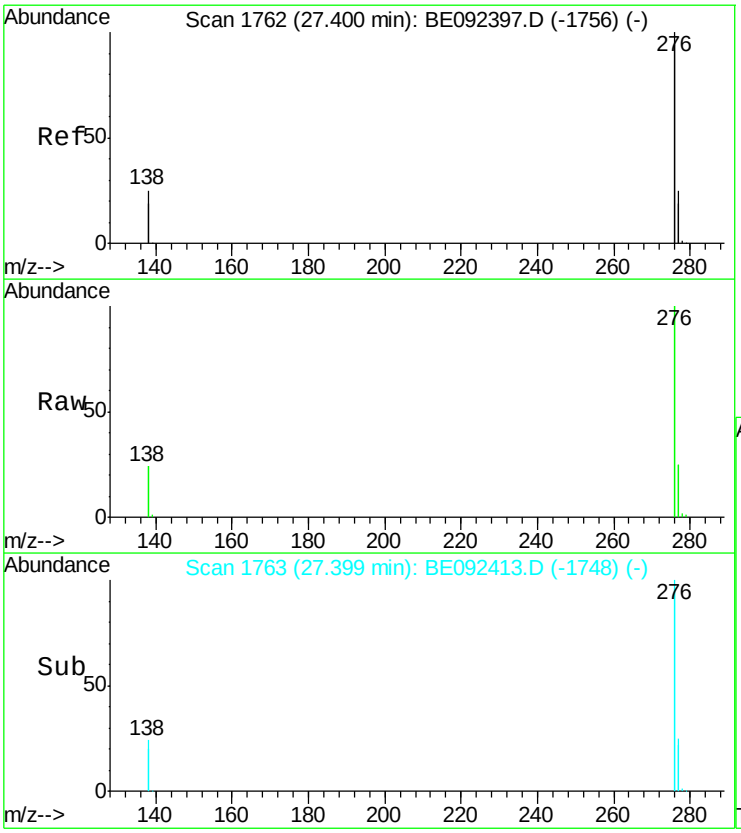
#35
Dibenzo(a,h)anthracene
Concen: 2.33 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:278 Resp: 26609

Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.8	20.8
279	24.6	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 1.15 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:276 Resp: 56352

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.8	29.8
138	23.8	19.8	29.6