Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE113018\
Data File : BE098285.D
Acq On : 30 Nov 2018 13:05
Operator : SJ/JU
Sample : J6047-03MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : EP2-MW-101MSD

Manual Integrations APPROVED
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12/3/2018 3:33:53 PM

Quant Time: Nov 30 14:14:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 29 13:50:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1355	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5583	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3436	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	8970	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9980	0.40	ng	0.00
34) Perylene-d12	24.01	264	9711	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	1104	0.31	ng	0.01
5) Phenol-d6	7.04	99	1117	0.22	ng	0.00
8) Nitrobenzene-d5	9.02	82	2562	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4403m	0.49	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	769	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.14	172	8259	0.58	ng	0.00
25) Fluoranthene-d10	19.31	212	59169	0.49	ng	0.00
29) Terphenyl-d14	19.91	244	12817	0.57	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	813	0.334	ng	# 22
3) n-Nitrosodimethylamine	3.68	42	752	0.289	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1812	0.386	ng	87
9) Naphthalene	10.72	128	27794	0.495	ng	99
10) Hexachlorobutadiene	10.99	225	1362	0.379	ng	98
12) 2-Methylnaphthalene	12.34	142	4881	0.524	ng	97
16) Acenaphthylene	14.25	152	8119	0.506	ng	99
17) Acenaphthene	14.60	154	4681	0.490	ng	99
18) Fluorene	15.57	166	6698	0.529	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	2362	0.465	ng	93
21) Hexachlorobenzene	16.58	284	2308	0.440	ng	98
22) Pentachlorophenol	16.94	266	1680	0.890	ng	89
23) Phenanthrene	17.31	178	11629	0.522	ng	100
24) Anthracene	17.41	178	10748	0.518	ng	99
26) Fluoranthene	19.34	202	15181	0.499	ng	100
28) Pyrene	19.70	202	15690	0.568	ng	100
30) Benzo(a)anthracene	21.45	228	15362	0.523	ng	98
31) Chrysene	21.50	228	15098	0.506	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	39700	0.564	ng	99
33) Indeno(1,2,3-cd)pyrene	26.71	276	16110	0.534	ng	99
35) Benzo(b)fluoranthene	23.23	252	14633m	0.514	ng	
36) Benzo(k)fluoranthene	23.28	252	15510	0.519	ng	99
37) Benzo(a)pyrene	23.90	252	14461	0.527	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	13320	0.512	ng	95
39) Benzo(g,h,i)perylene	27.52	276	13711	0.526	ng	97

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

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Instrument :
BNA_E
ClientSampleId :
EP2-MW-101MSD

Manual Integrations APPROVED
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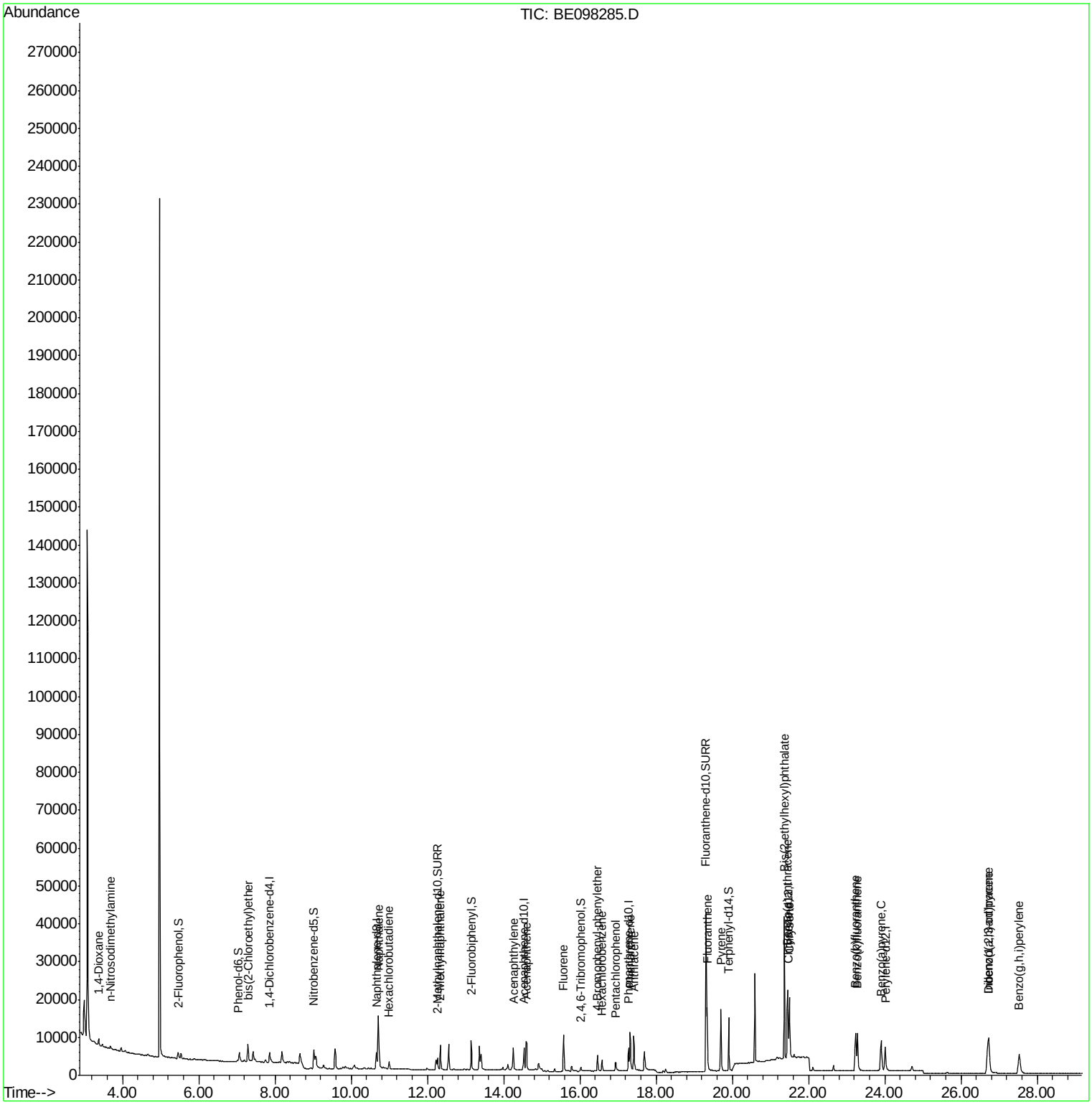
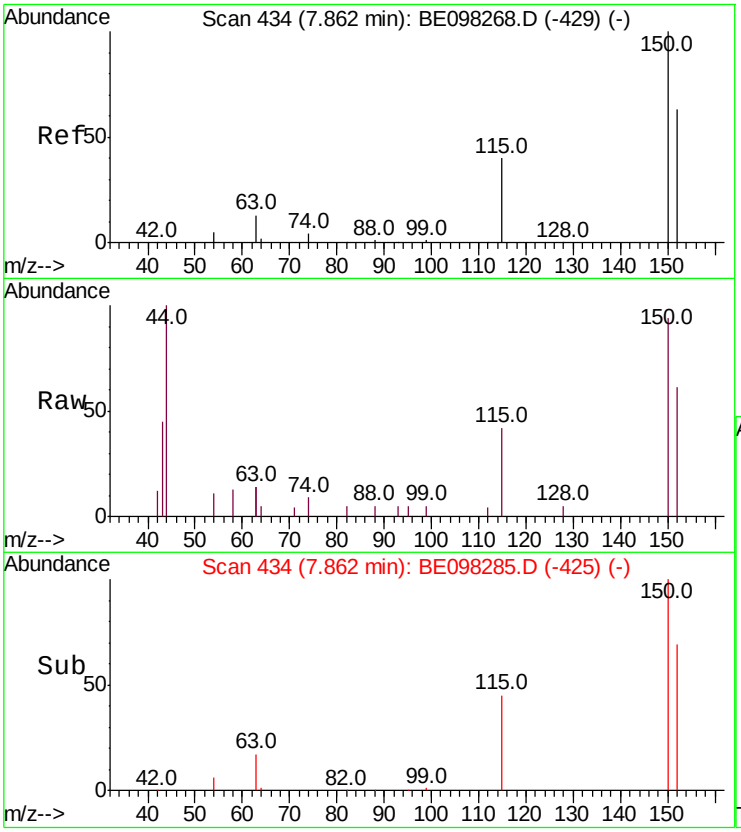
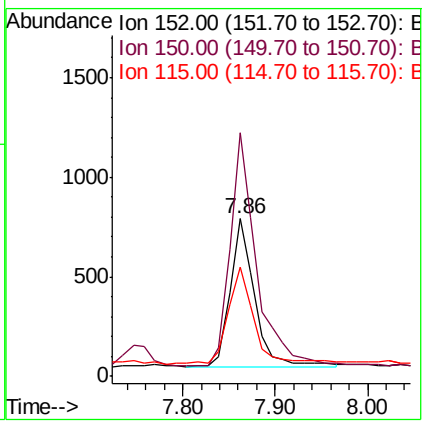




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:152 Resp: 1355

Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.2	186.4
115	69.4	53.9	80.9



Instrument :
BNA_E
ClientSampleId :
EP2-MW-101MSD

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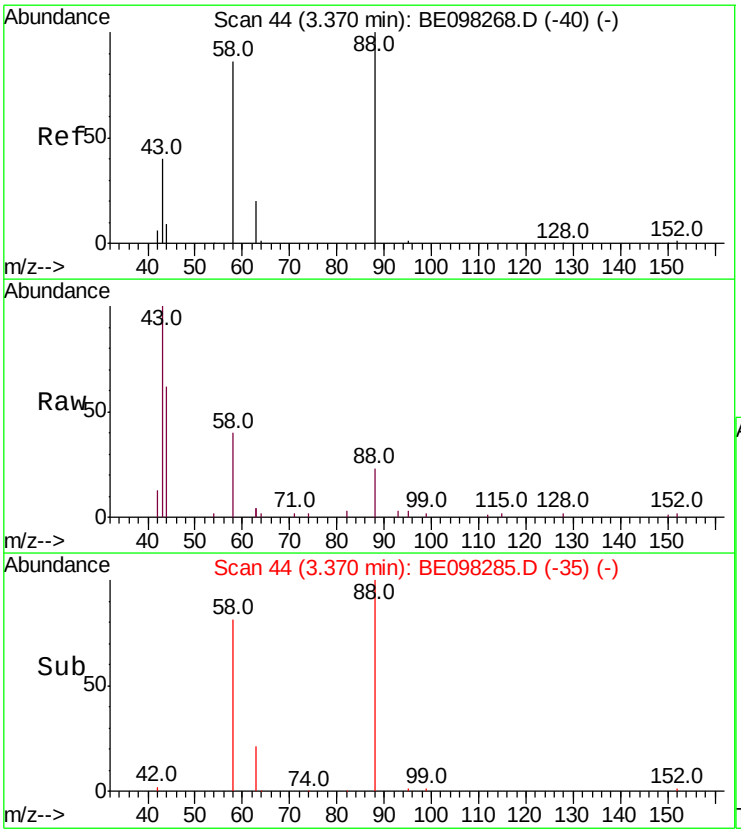
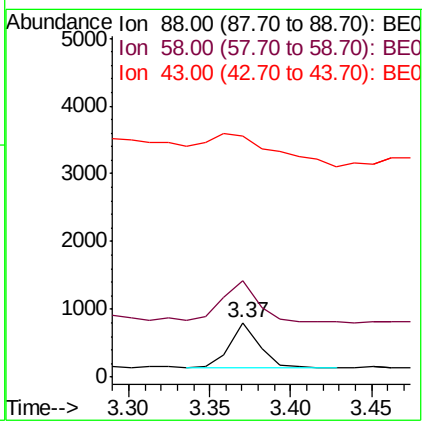
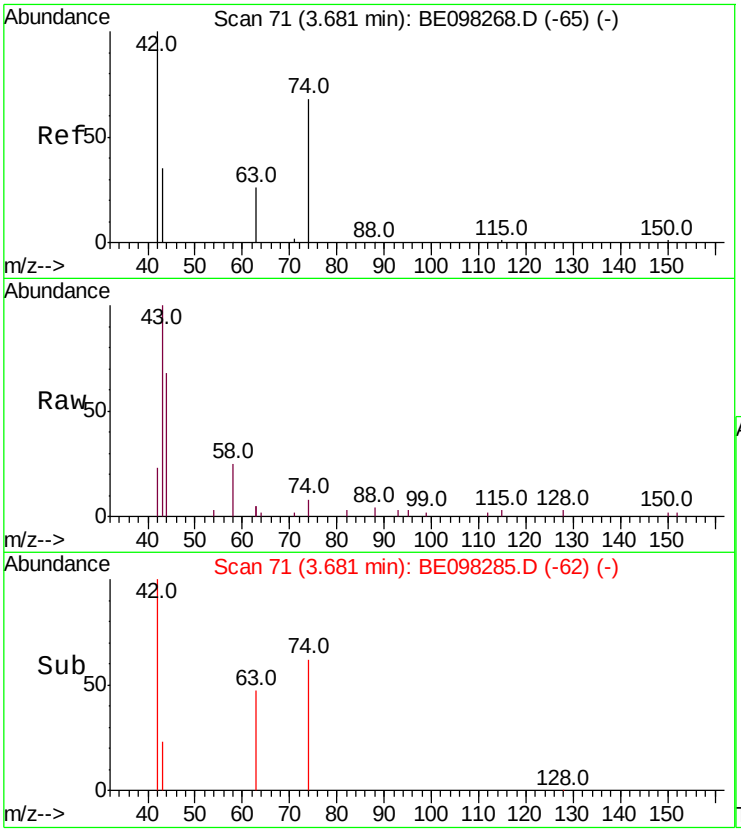


#2
1,4-Dioxane
Concen: 0.334 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion: 88 Resp: 813

Ion	Ratio	Lower	Upper
88	100		
58	114.9	75.0	112.6#
43	173.9	38.3	57.5#

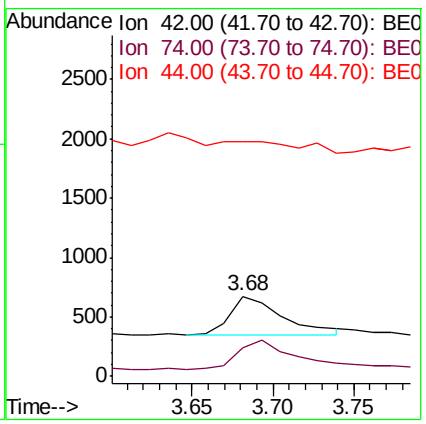




#3
n-Nitrosodimethylamine
Concen: 0.289 ng
RT: 3.68 min Scan# 71
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion: 42 Resp: 752

Ion	Ratio	Lower	Upper
42	100		
74	76.3	0.0	0.0#
44	0.0	0.0	0.0



Instrument :
BNA_E
ClientSampleId :
EP2-MW-101MSD

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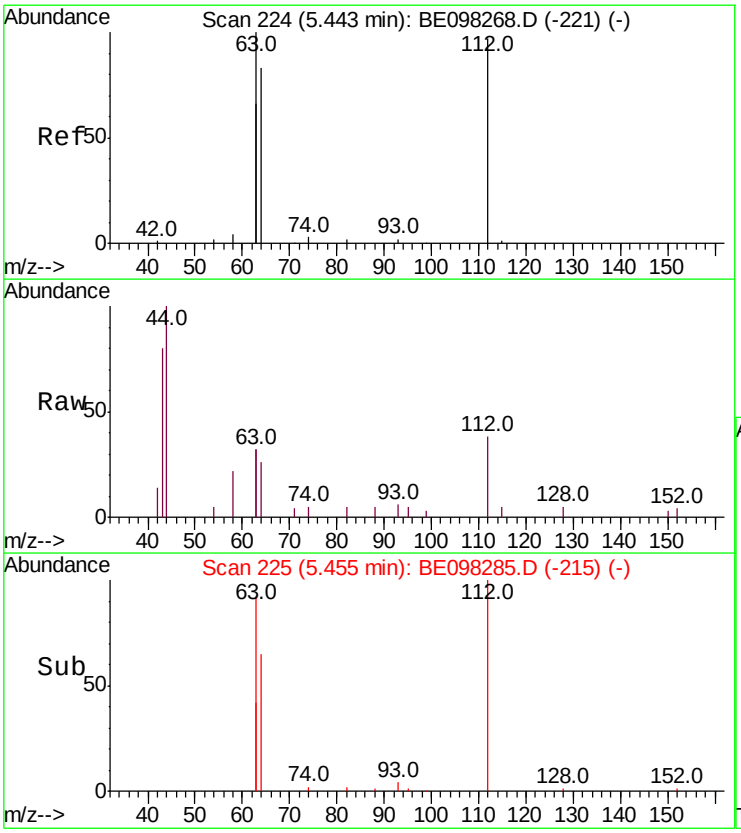
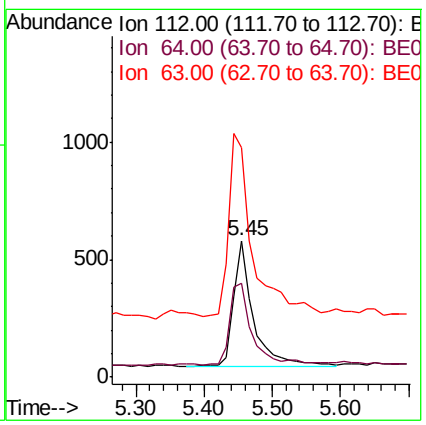
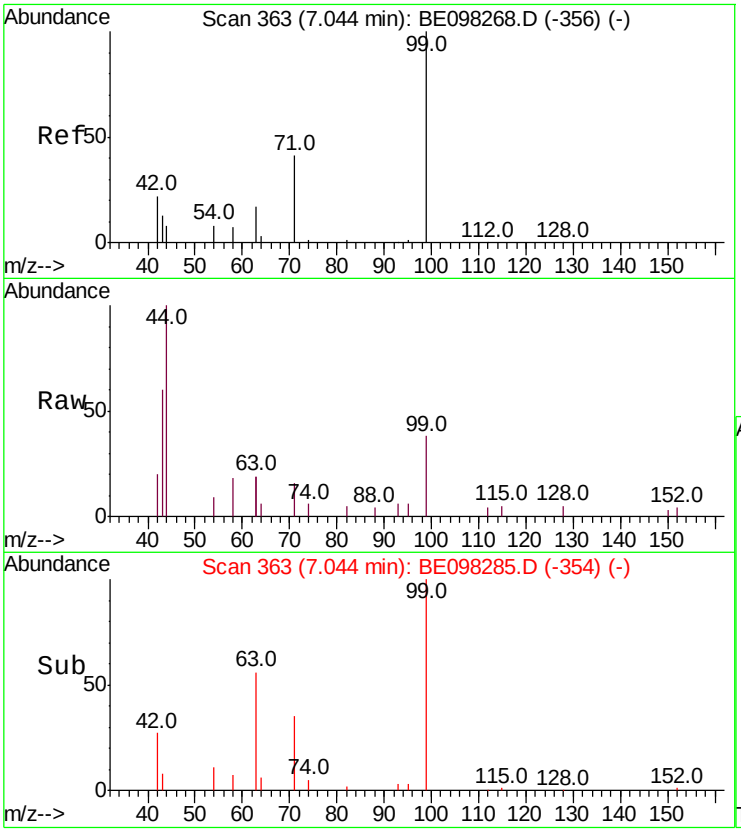


#4
2-Fluorophenol
Concen: 0.305 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:112 Resp: 1104

Ion	Ratio	Lower	Upper
112	100		
64	75.3	59.8	89.8
63	172.7	133.7	200.5

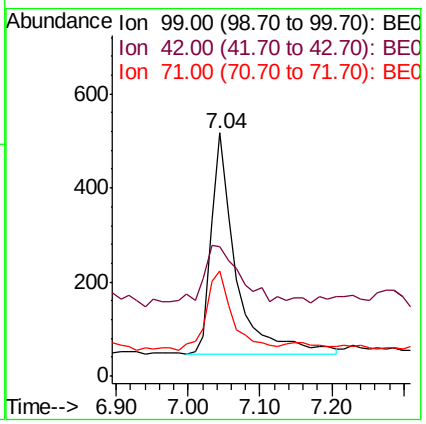




#5
Phenol-d6
Concen: 0.219 ng
RT: 7.04 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion: 99 Resp: 1117

Ion	Ratio	Lower	Upper
99	100		
42	34.4	26.3	39.5
71	37.5	33.6	50.4



Instrument :
BNA_E
ClientSampleId :
EP2-MW-101MSD

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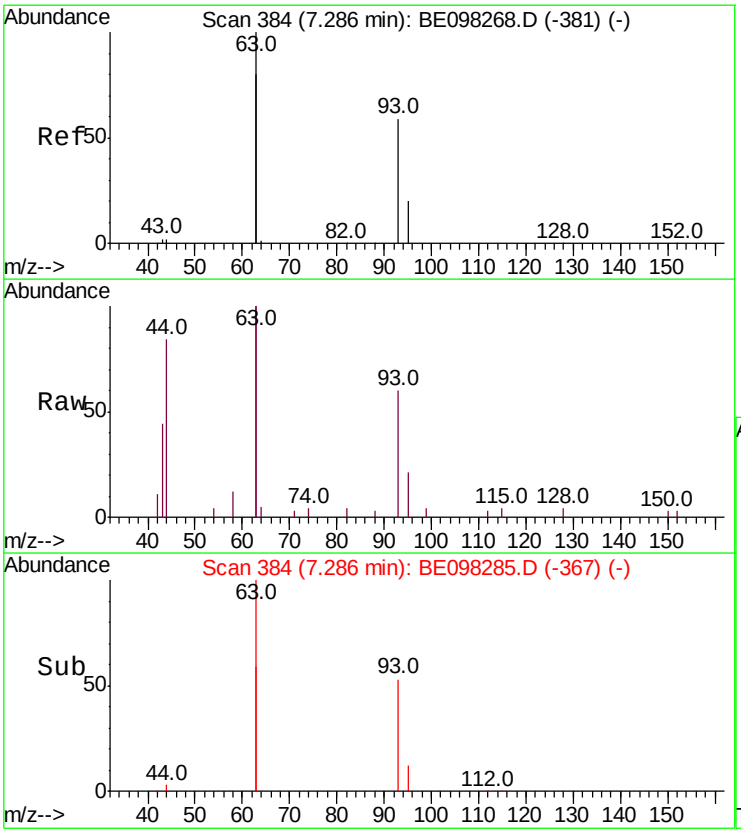
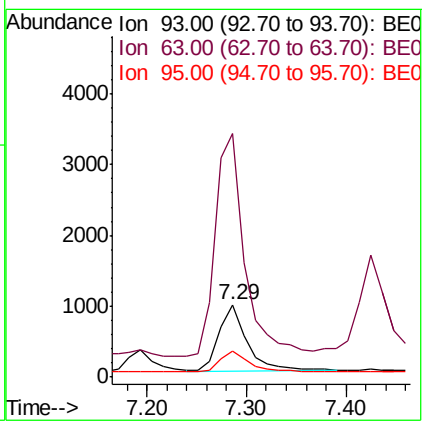
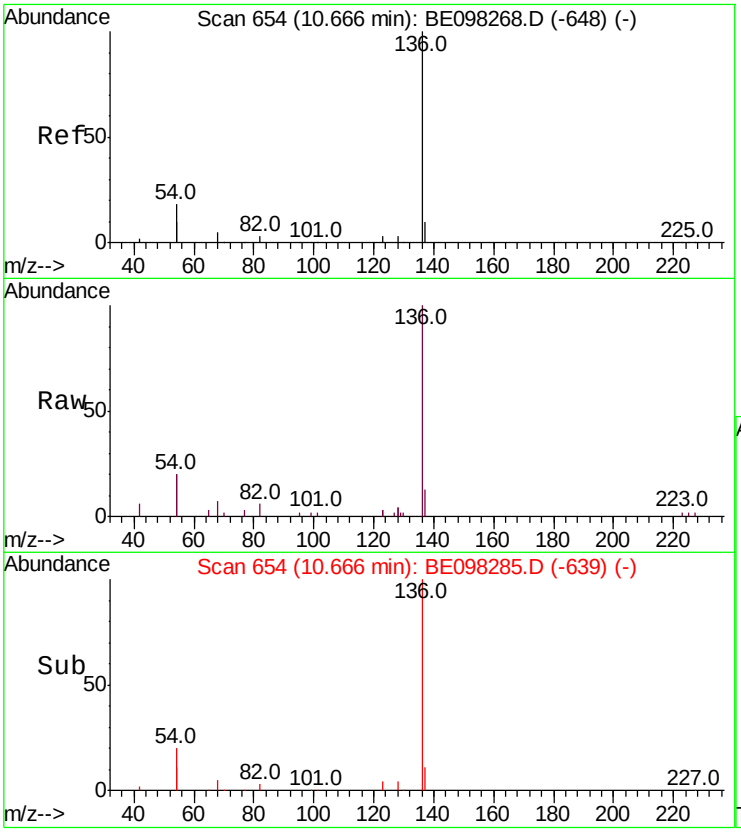


#6
bis(2-Chloroethyl)ether
Concen: 0.386 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion: 93 Resp: 1812

Ion	Ratio	Lower	Upper
93	100		
63	360.1	264.4	396.6
95	34.1	26.6	40.0

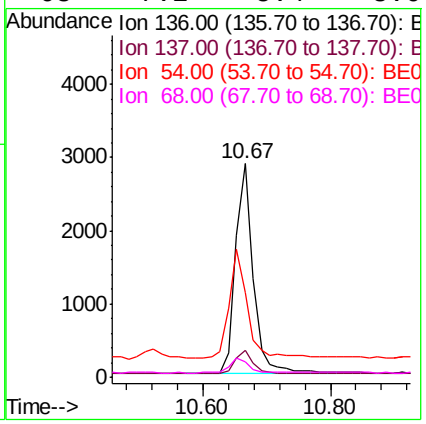




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:136 Resp: 5583

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.2	13.8
54	39.5	28.4	42.6
68	7.2	5.4	8.0



Instrument :
BNA_E
ClientSampleId :
EP2-MW-101MSD

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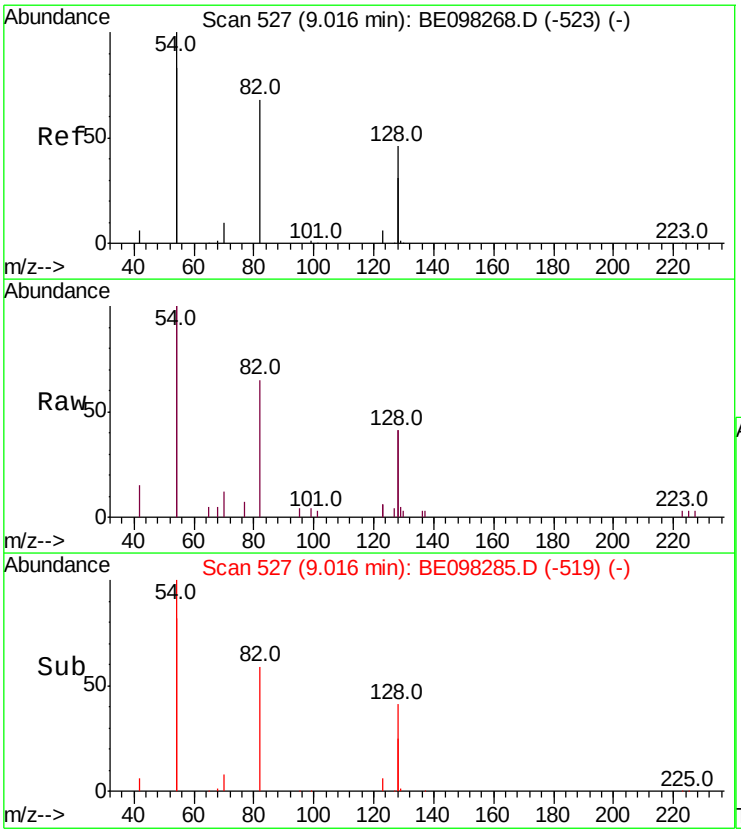
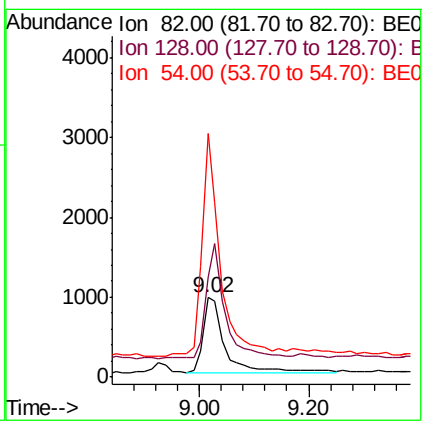
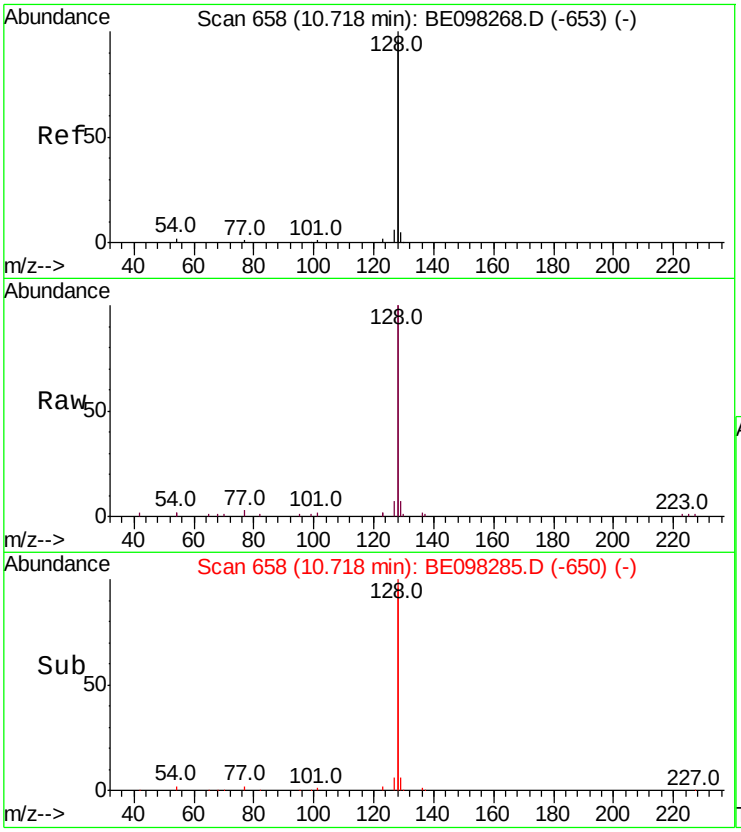


#8
Nitrobenzene-d5
Concen: 0.453 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion: 82 Resp: 2562

Ion	Ratio	Lower	Upper
82	100		
128	126.8	102.4	153.6
54	306.8	221.8	332.8

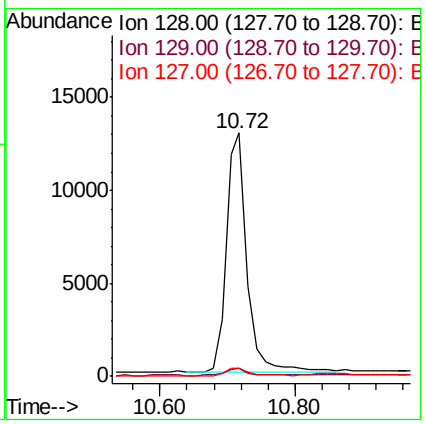




#9
Naphthalene
Concen: 0.495 ng
RT: 10.72 min Scan# 658
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:128 Resp: 27794

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.5	3.7
127	3.6	2.7	4.1



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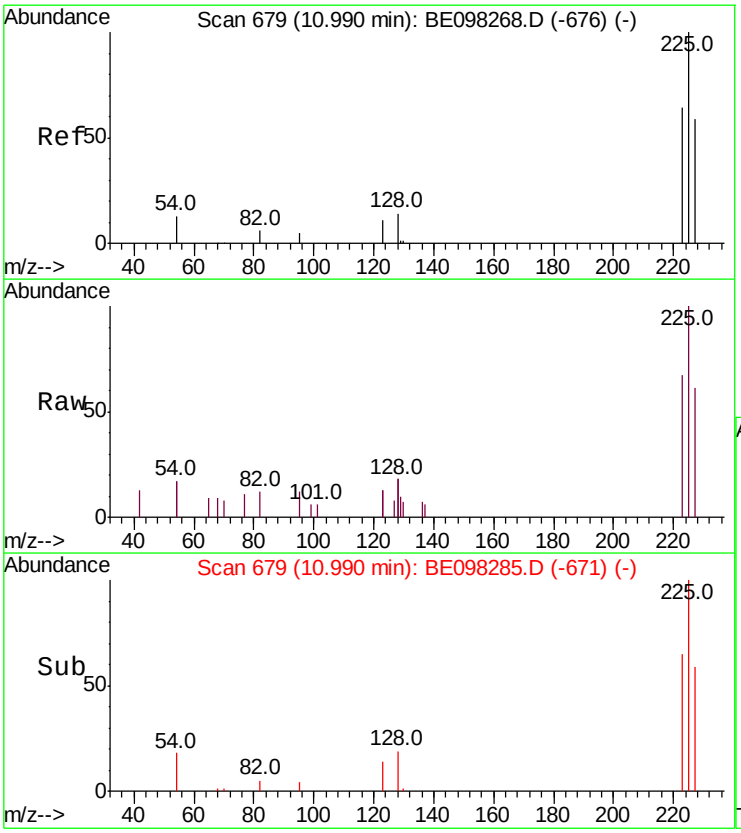
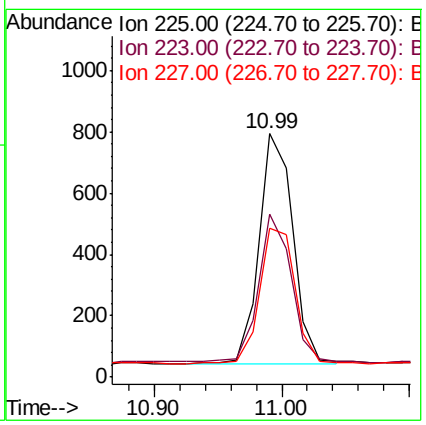
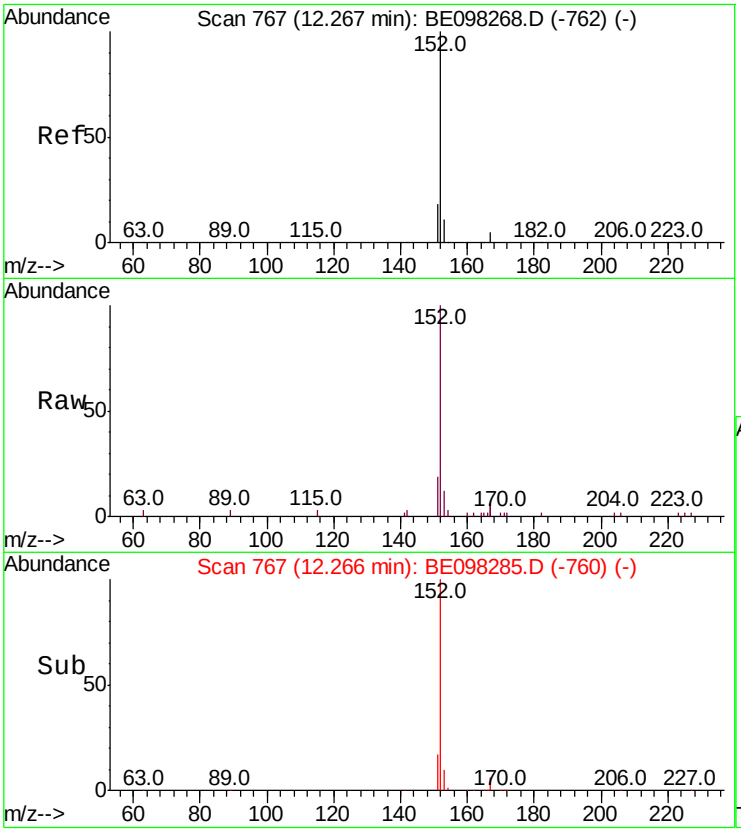


#10
Hexachlorobutadiene
Concen: 0.379 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:225 Resp: 1362

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.4	74.0
227	61.8	52.0	78.0

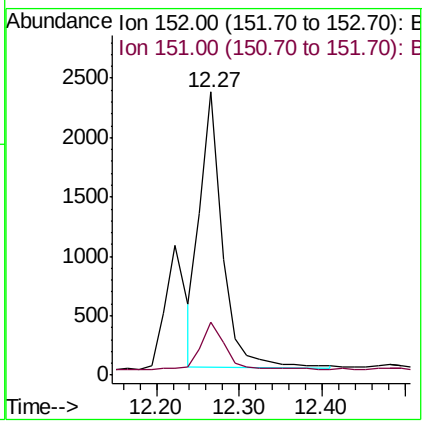




#11
2-Methylnaphthalene-d10
Concen: 0.486 ng m
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:152 Resp: 4403

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.2	24.4



Instrument :
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ClientSampleId :
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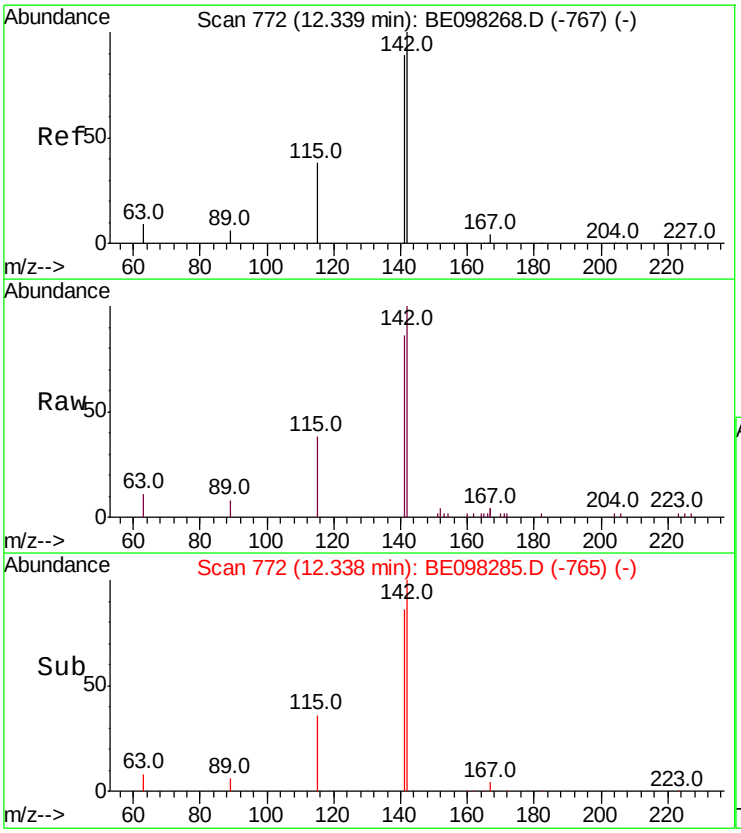
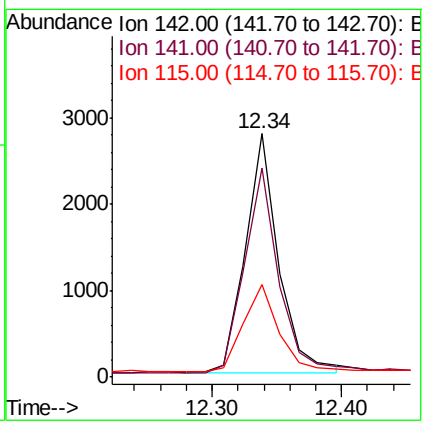
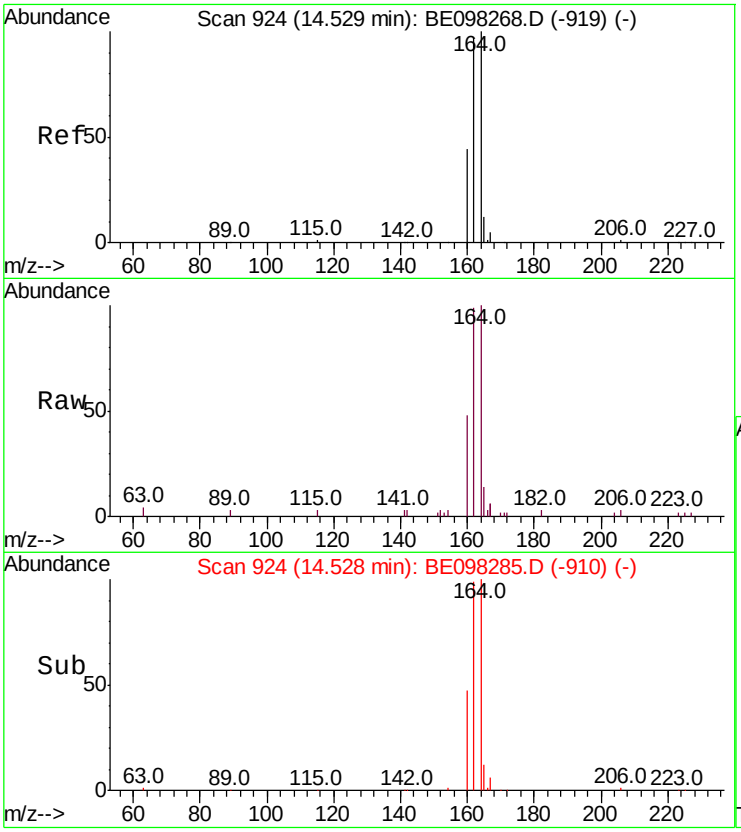


#12
2-Methylnaphthalene
Concen: 0.524 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:142 Resp: 4881

Ion	Ratio	Lower	Upper
142	100		
141	86.1	71.0	106.6
115	38.0	32.2	48.2

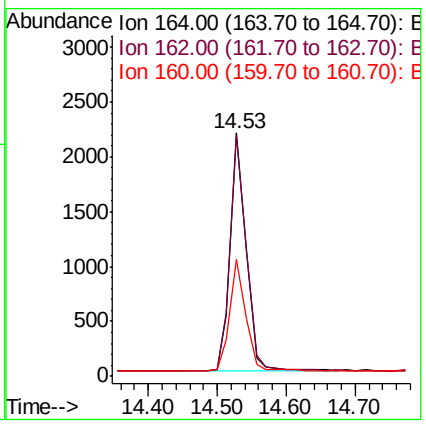




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:164 Resp: 3436

Ion	Ratio	Lower	Upper
164	100		
162	98.8	77.6	116.4
160	48.2	36.0	54.0



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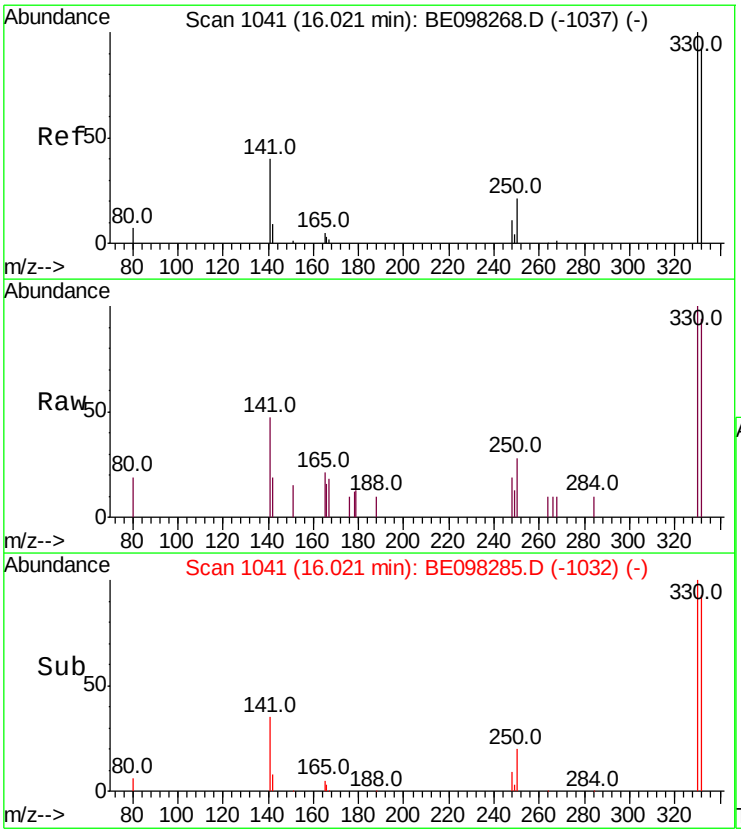
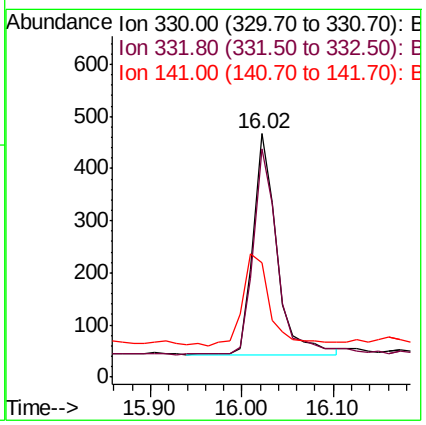
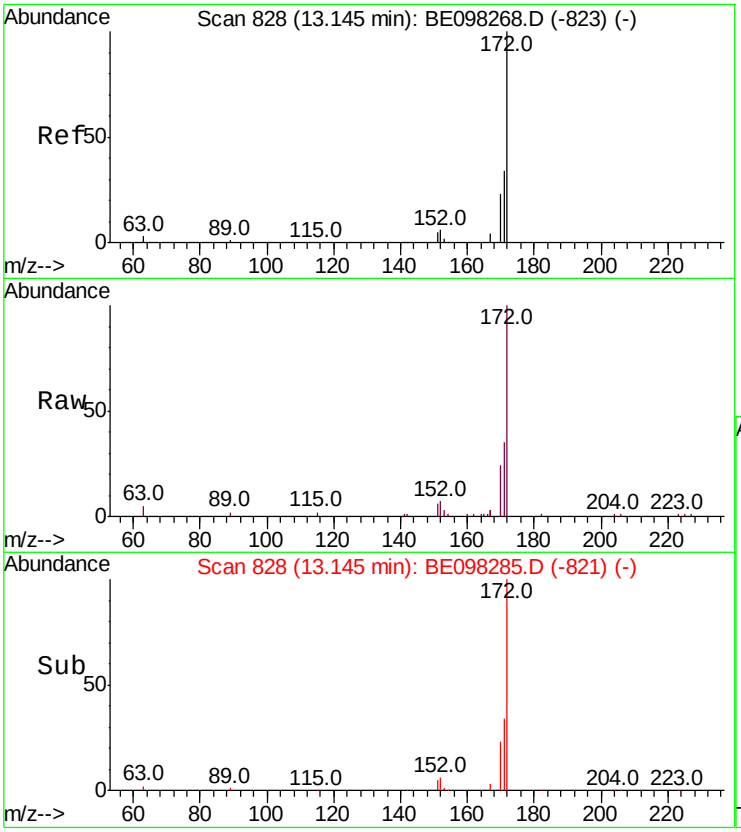


#14
2,4,6-Tribromophenol
Concen: 0.472 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:330 Resp: 769

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.2	114.4
141	48.5	39.0	58.4

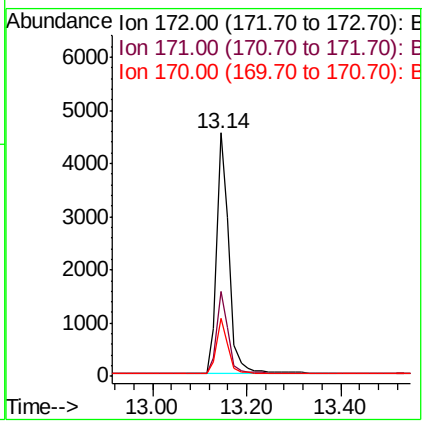




#15
2-Fluorobiphenyl
Concen: 0.580 ng
RT: 13.14 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:172 Resp: 8259

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	23.6	19.6	29.4



Instrument :
BNA_E
ClientSampleId :
EP2-MW-101MSD

Manual Integrations APPROVED
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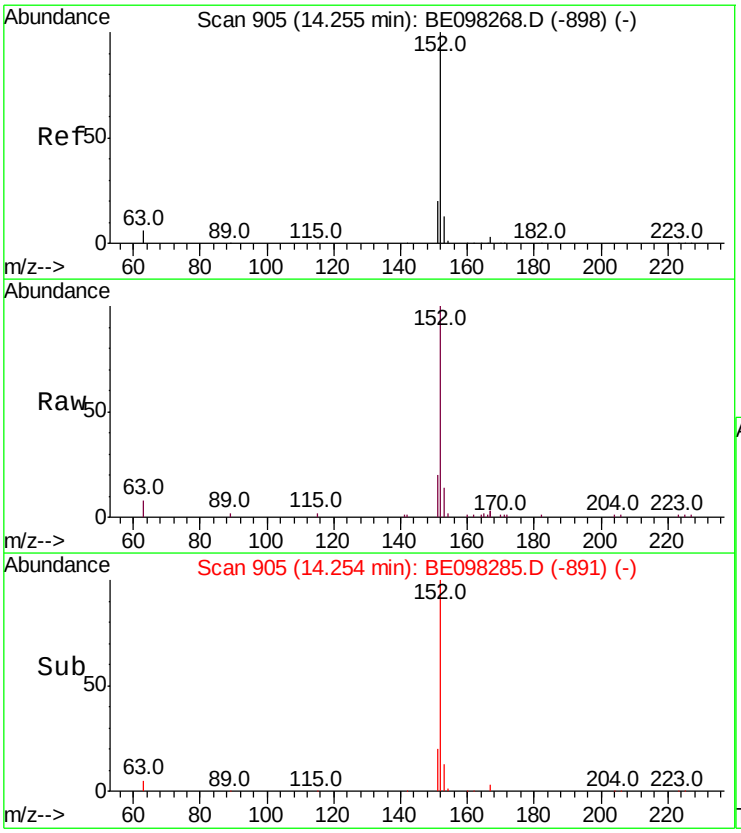
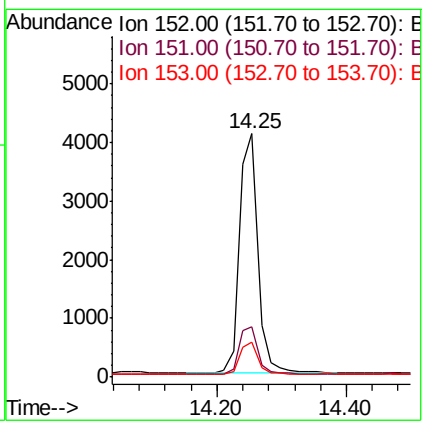
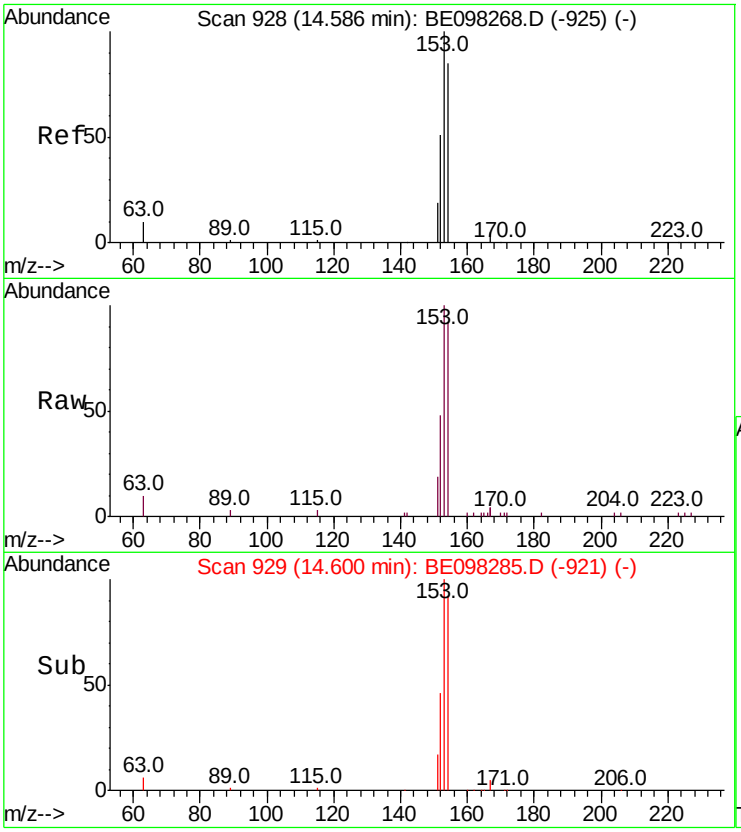


#16
Acenaphthylene
Concen: 0.506 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:152 Resp: 8119

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.0	10.6	16.0

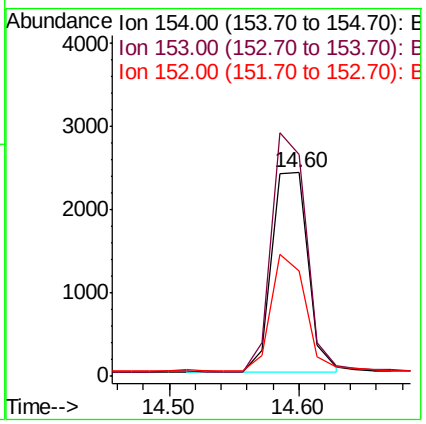




#17
Acenaphthene
Concen: 0.490 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.01 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:154 Resp: 4681

Ion	Ratio	Lower	Upper
154	100		
153	115.7	91.8	137.6
152	55.7	45.5	68.3



Instrument :
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ClientSampleId :
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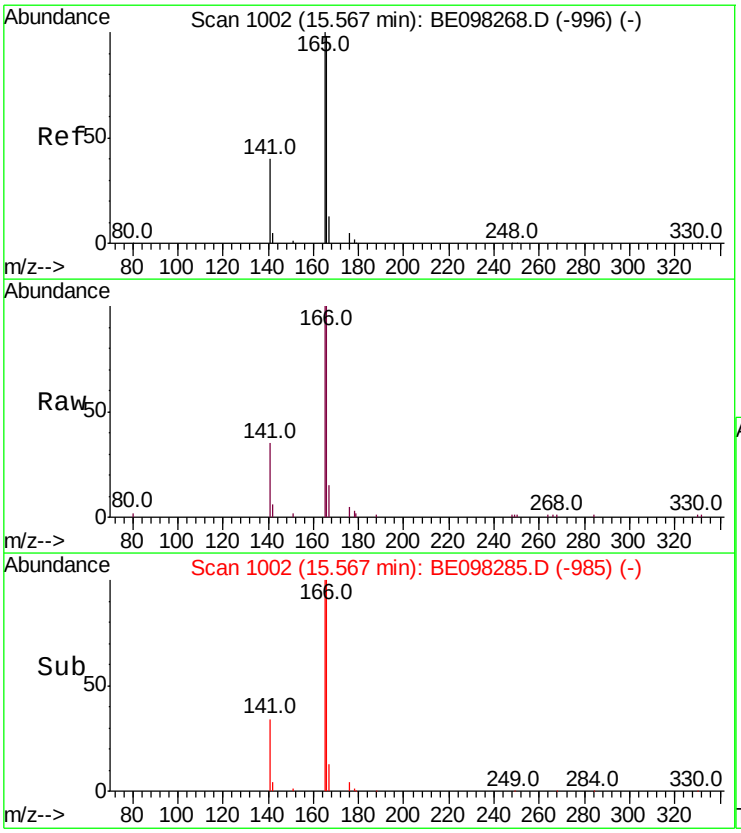
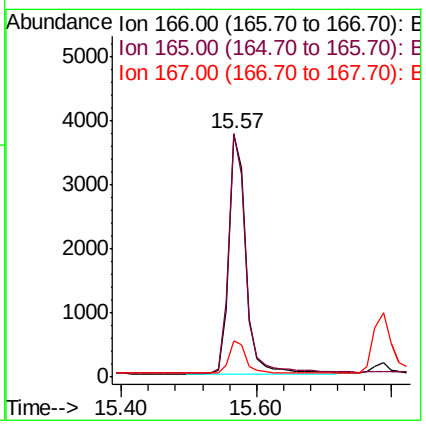
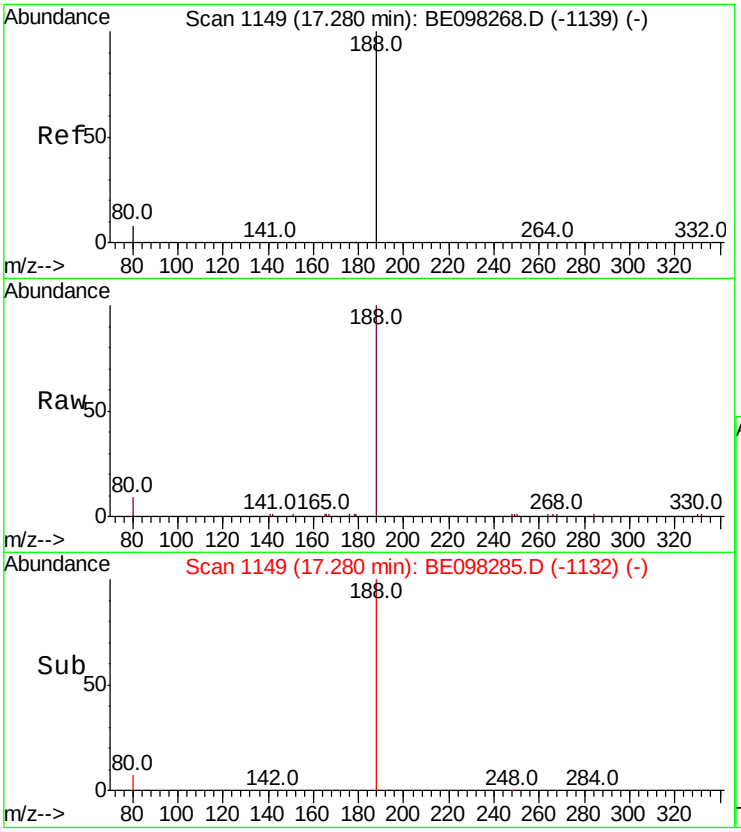


#18
Fluorene
Concen: 0.529 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:166 Resp: 6698

Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.3	118.9
167	14.0	11.3	16.9

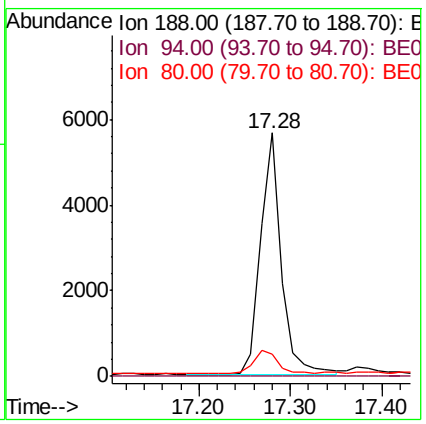




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:188 Resp: 8970

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.2	10.8



Instrument :
BNA_E
ClientSampleId :
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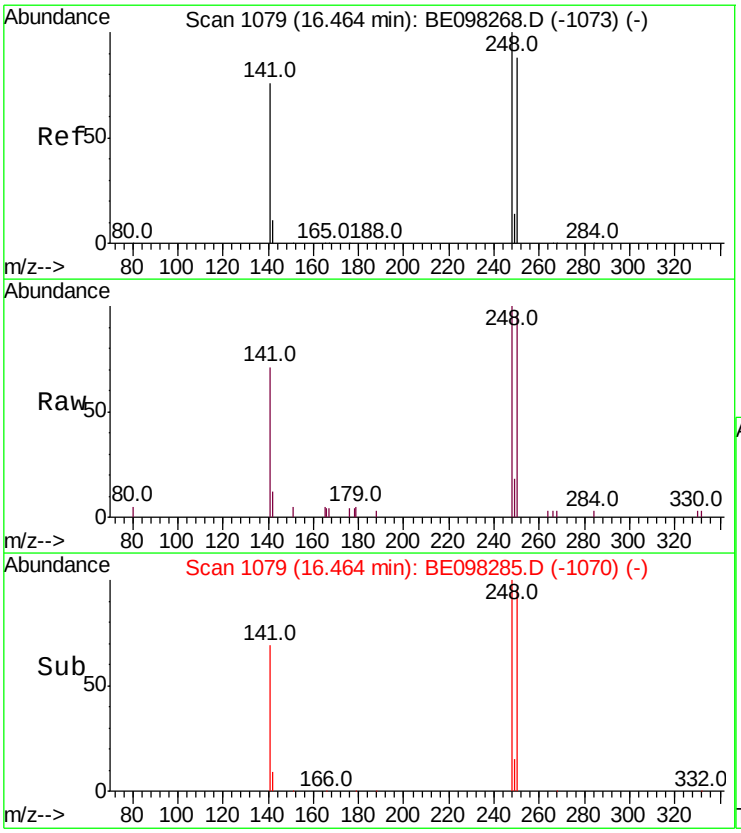
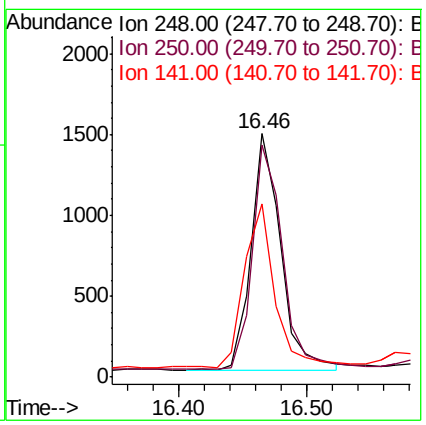
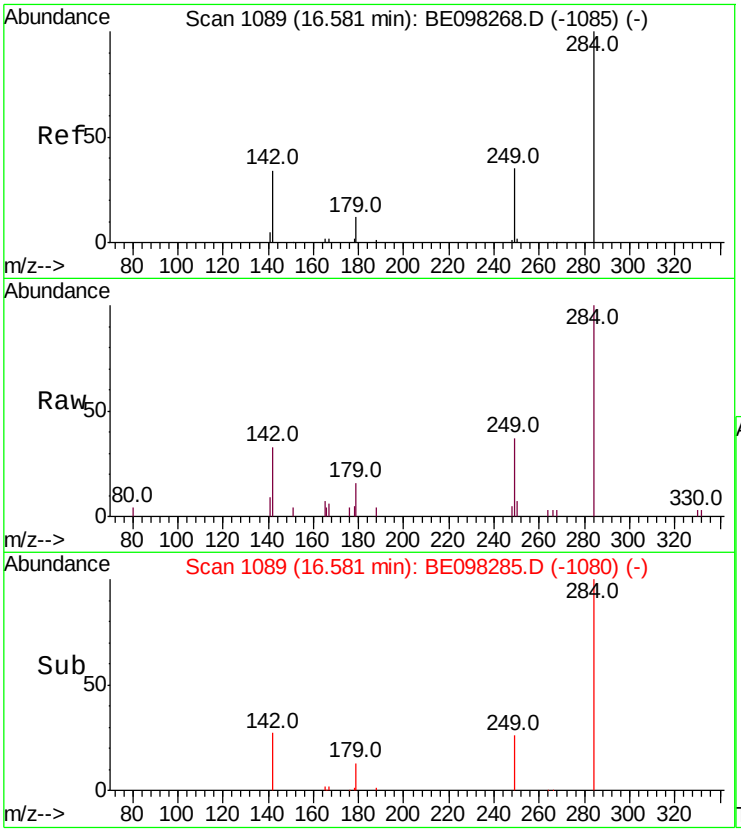


#20
4-Bromophenyl-phenylether
Concen: 0.465 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:248 Resp: 2362

Ion	Ratio	Lower	Upper
248	100		
250	95.3	71.0	106.6
141	71.4	62.1	93.1

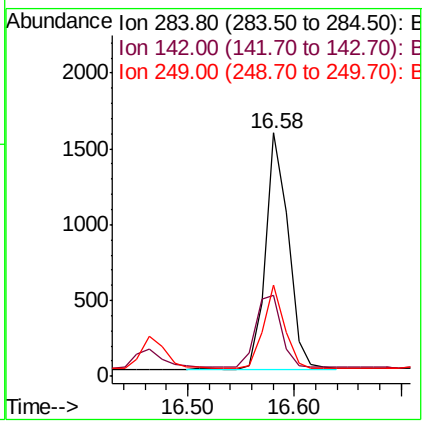




#21
Hexachlorobenzene
Concen: 0.440 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:284 Resp: 2308

Ion	Ratio	Lower	Upper
284	100		
142	34.7	26.3	39.5
249	33.1	26.0	39.0



Instrument :
BNA_E
ClientSampleId :
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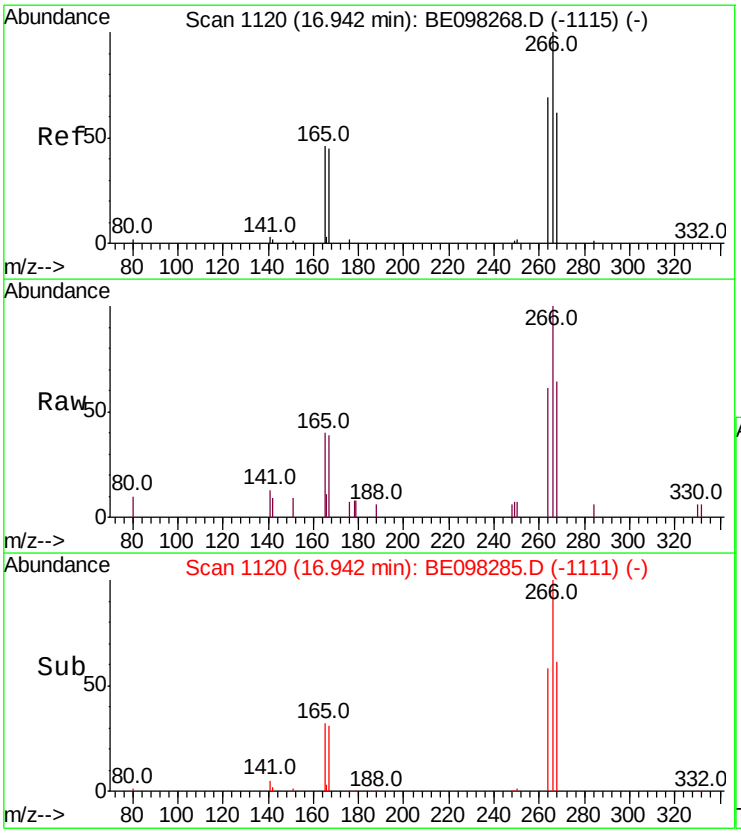
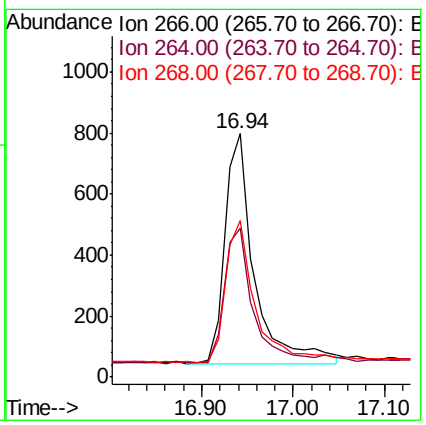
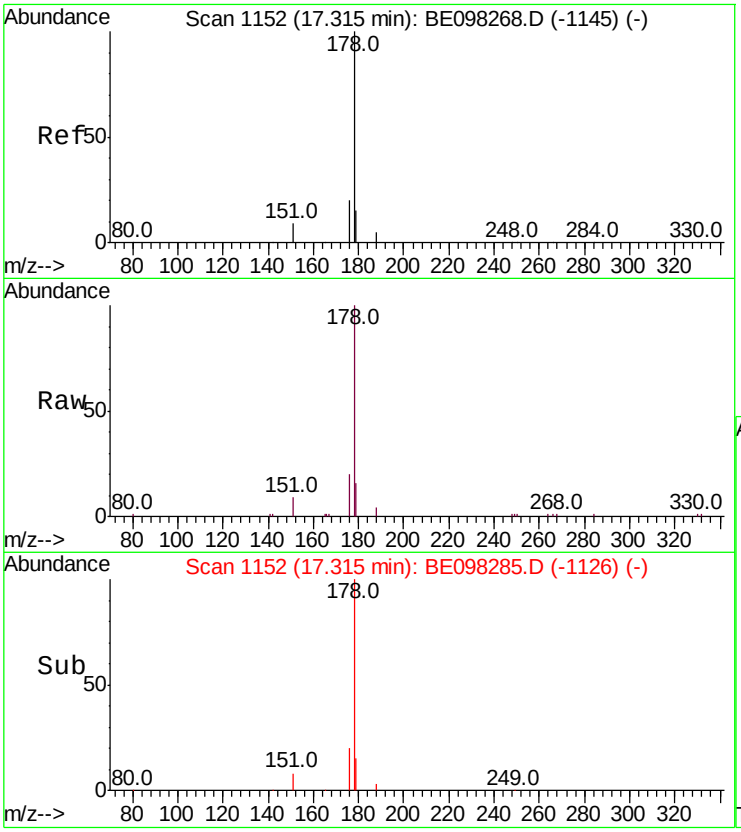


#22
Pentachlorophenol
Concen: 0.890 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:266 Resp: 1680

Ion	Ratio	Lower	Upper
266	100		
264	61.2	59.0	88.4
268	64.0	55.1	82.7

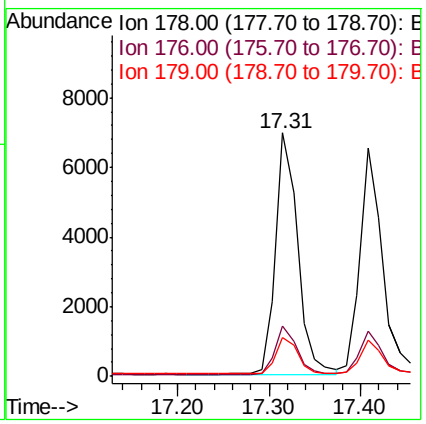




#23
Phenanthrene
Concen: 0.522 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:178 Resp: 11629

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.8	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
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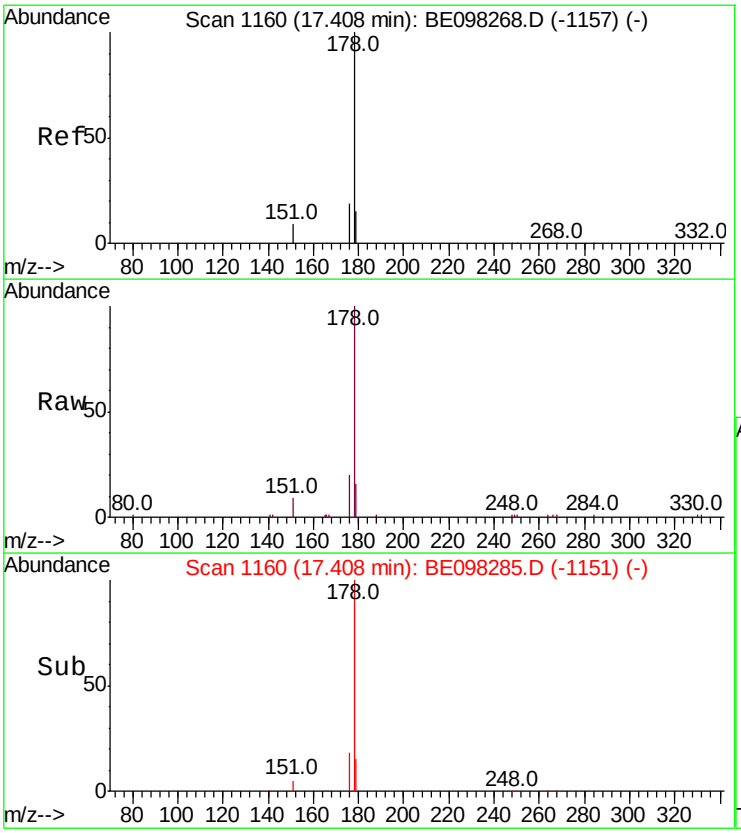
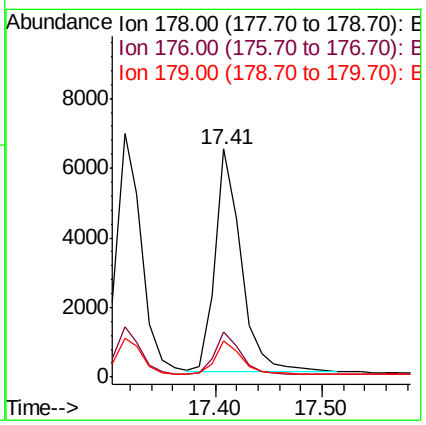
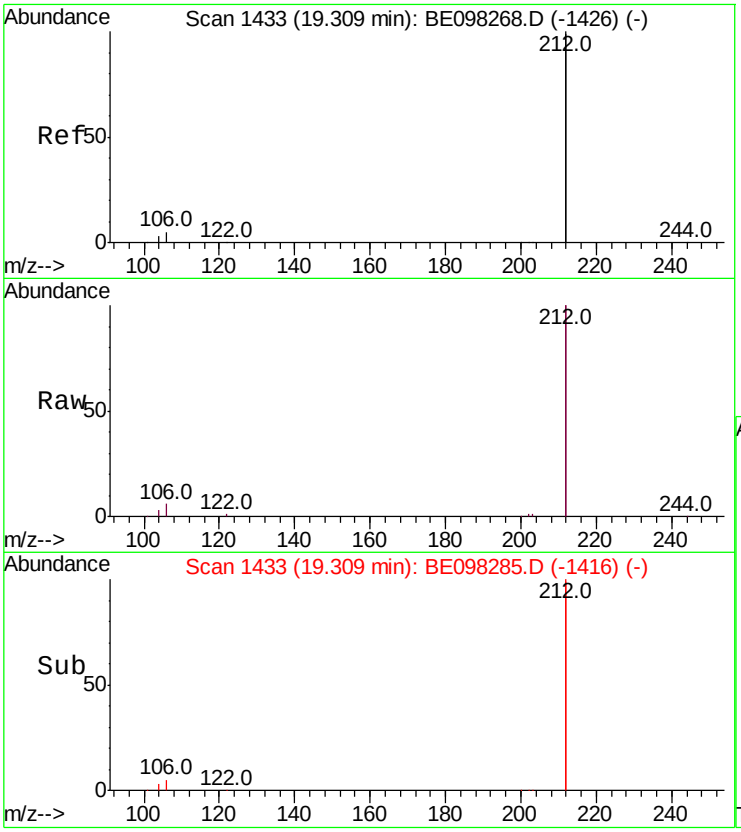


#24
Anthracene
Concen: 0.518 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:178 Resp: 10748

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	15.1	12.3	18.5

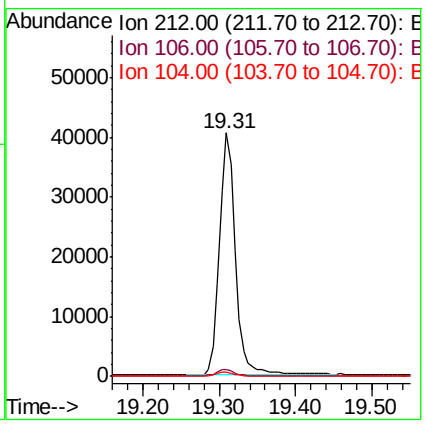




#25
Fluoranthene-d10
Concen: 0.489 ng
RT: 19.31 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:212 Resp: 59169

Ion	Ratio	Lower	Upper
212	100		
106	2.6	2.2	3.2
104	1.6	1.3	1.9



Instrument :
BNA_E
ClientSampleId :
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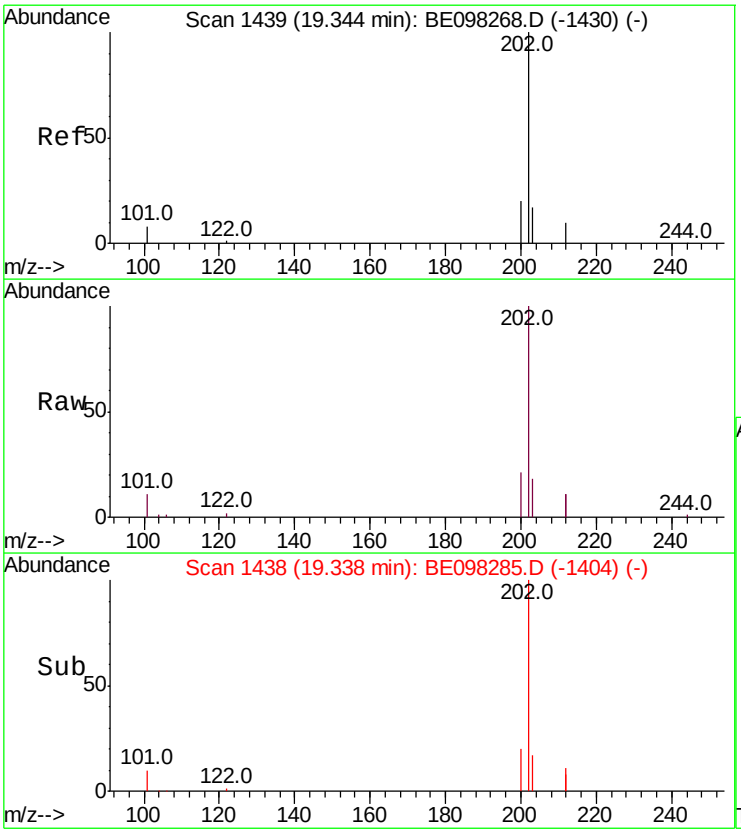
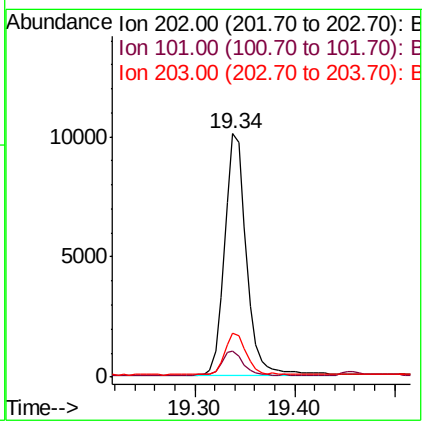
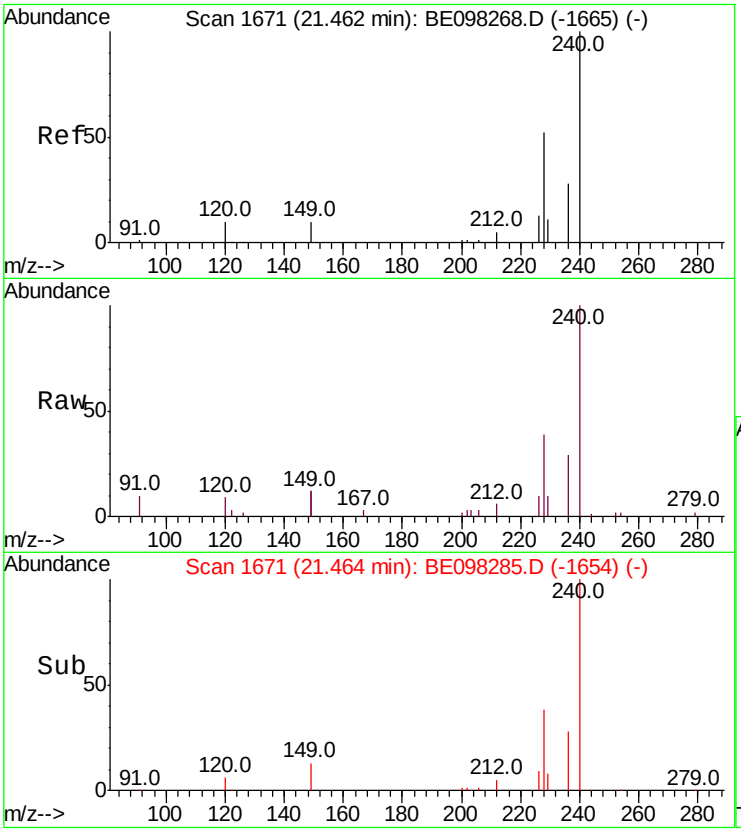


#26
Fluoranthene
Concen: 0.499 ng
RT: 19.34 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:202 Resp: 15181

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.0	12.0
203	17.2	13.8	20.6

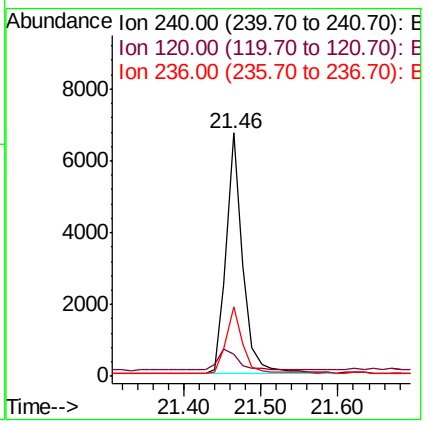




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:240 Resp: 9980

Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.5	14.3#
236	28.7	22.7	34.1



Instrument :
BNA_E
ClientSampleId :
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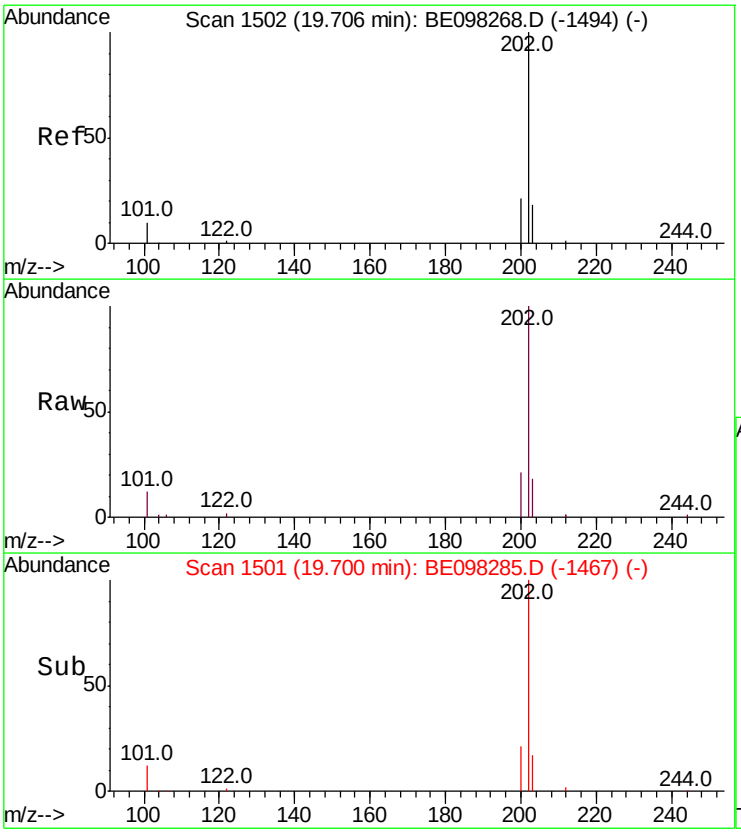
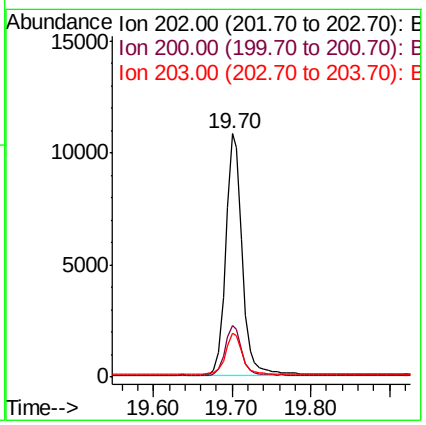
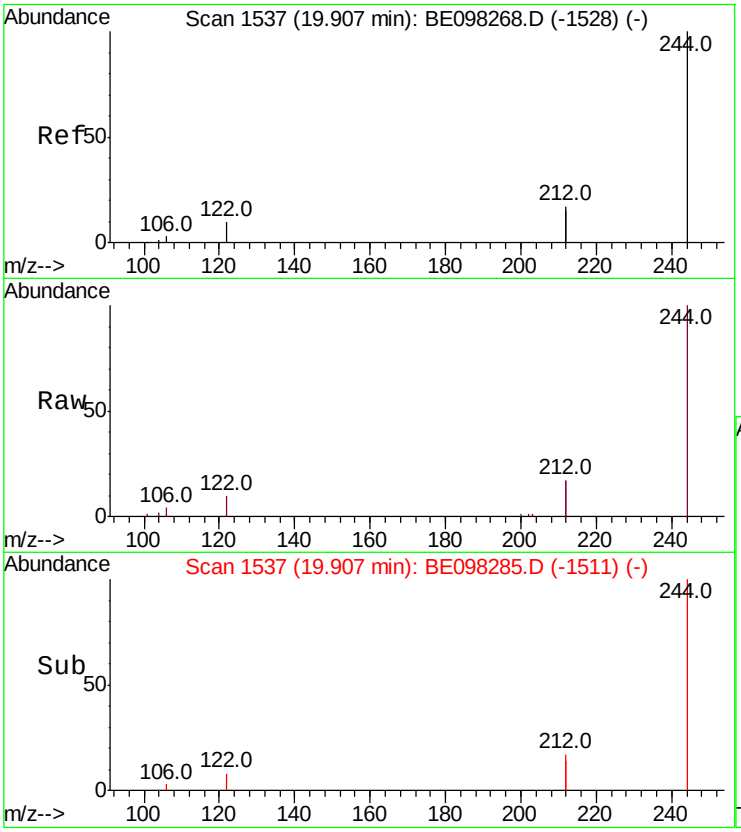


#28
Pyrene
Concen: 0.568 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:202 Resp: 15690

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.1	21.1

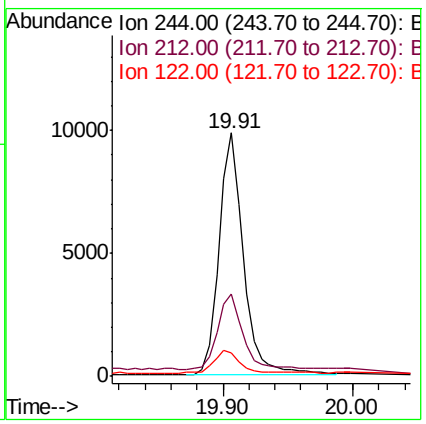




#29
Terphenyl-d14
Concen: 0.571 ng
RT: 19.91 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:244 Resp: 12817

Ion	Ratio	Lower	Upper
244	100		
212	33.9	27.4	41.0
122	9.8	8.3	12.5



Instrument :
BNA_E
ClientSampleId :
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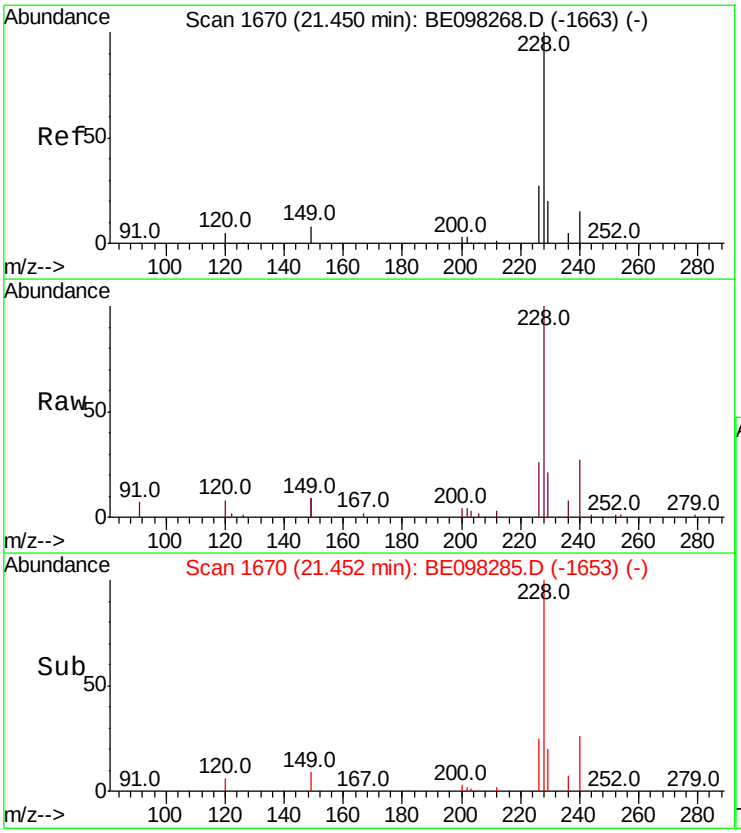
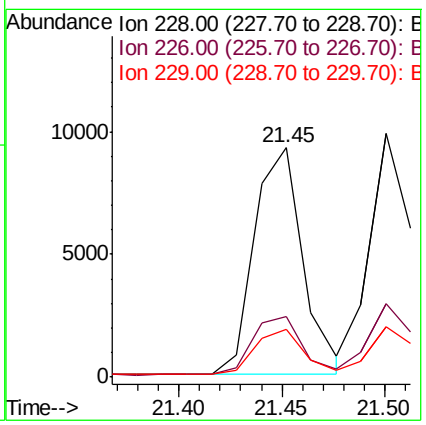
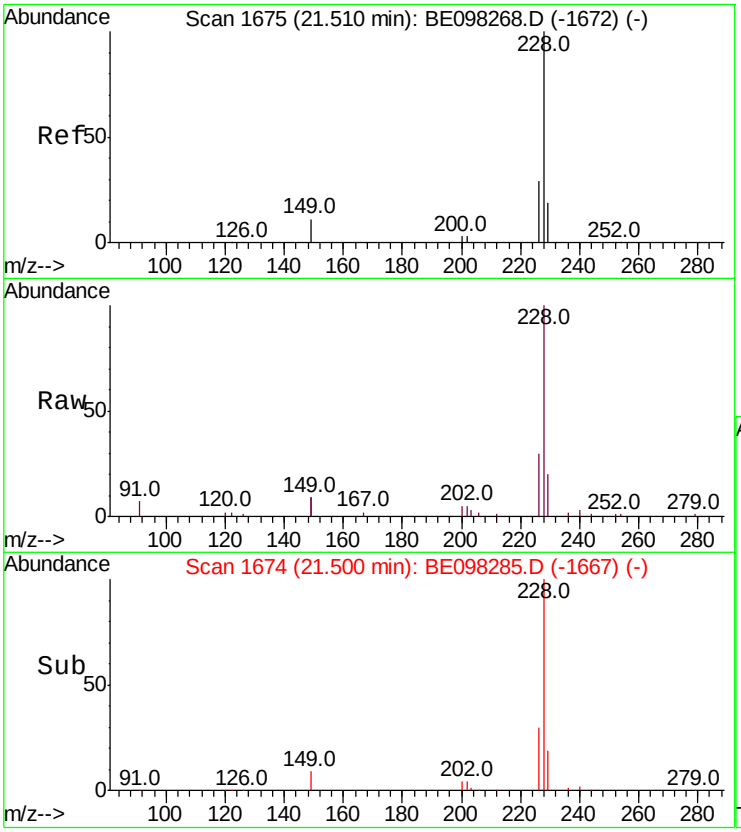


#30
Benzo(a)anthracene
Concen: 0.523 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:228 Resp: 15362

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.8	32.8
229	20.9	16.3	24.5





#31
Chrysene
Concen: 0.506 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.01 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:228 Resp: 15098

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	20.4	16.2	24.4

Instrument :
BNA_E
ClientSampleId :
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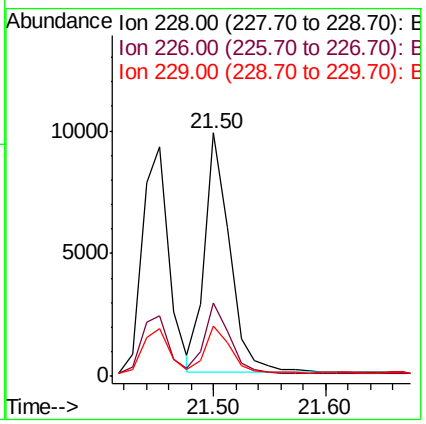
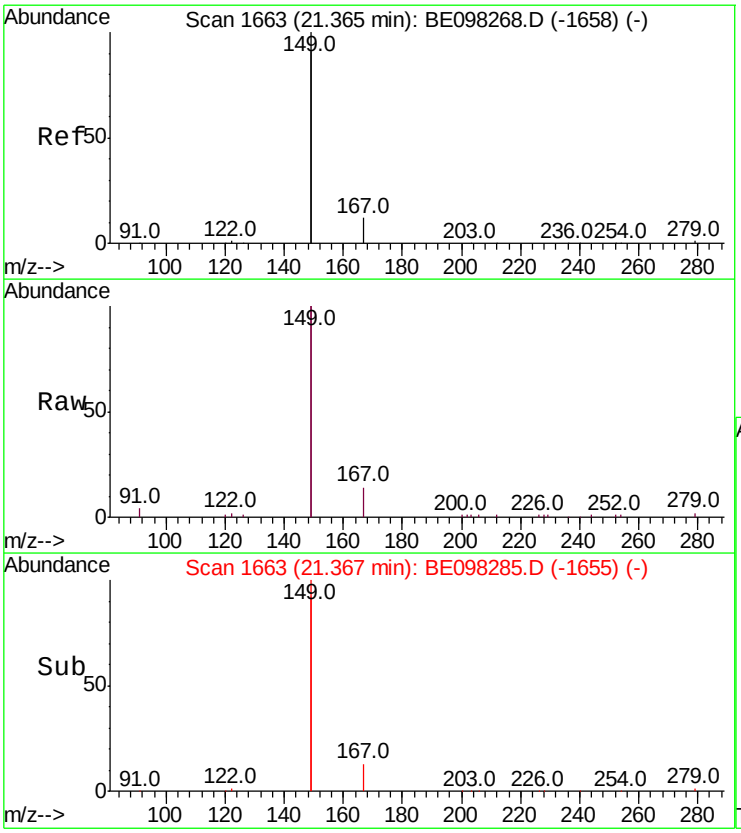
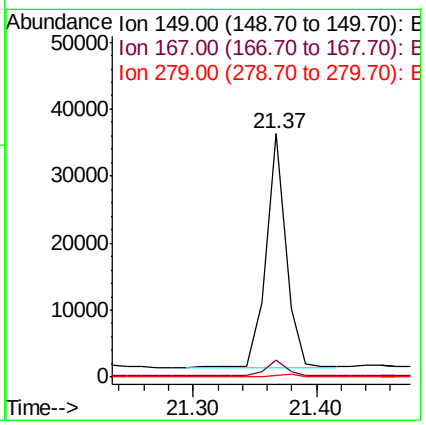


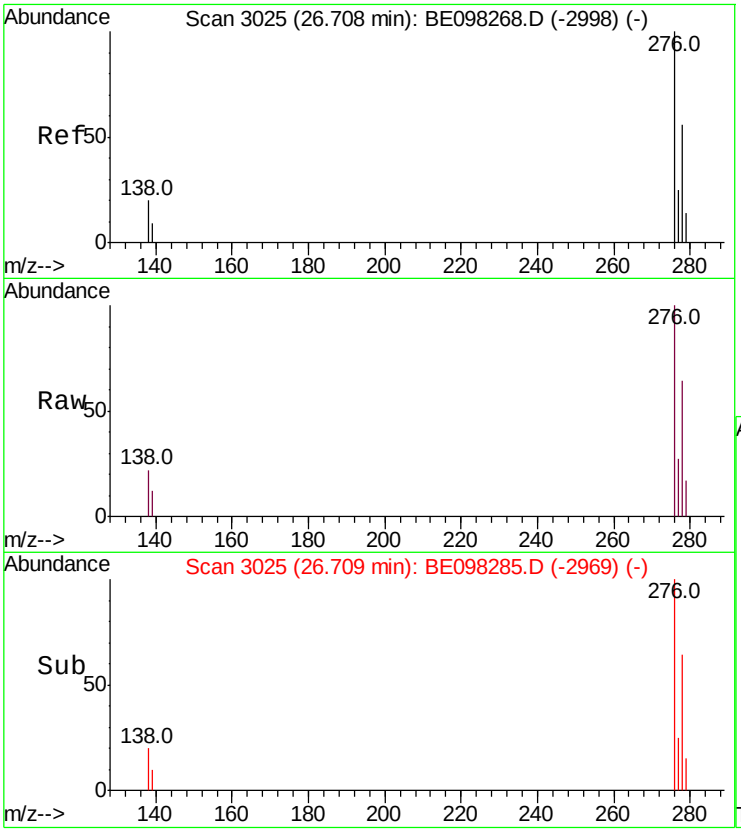


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.564 ng
RT: 21.37 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:149 Resp: 39700

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.7	8.5
279	1.1	1.0	1.4

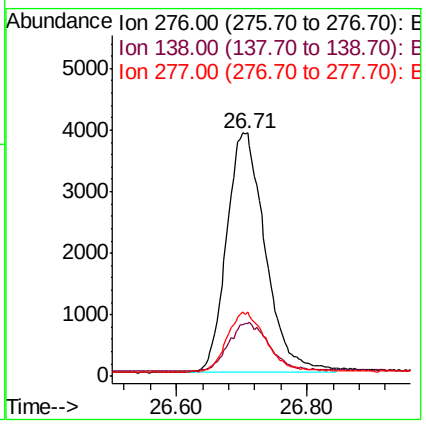




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.534 ng
RT: 26.71 min Scan# 3025
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:276 Resp: 16110

Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.3	24.5
277	24.9	20.2	30.4



Instrument :
BNA_E
ClientSampleId :
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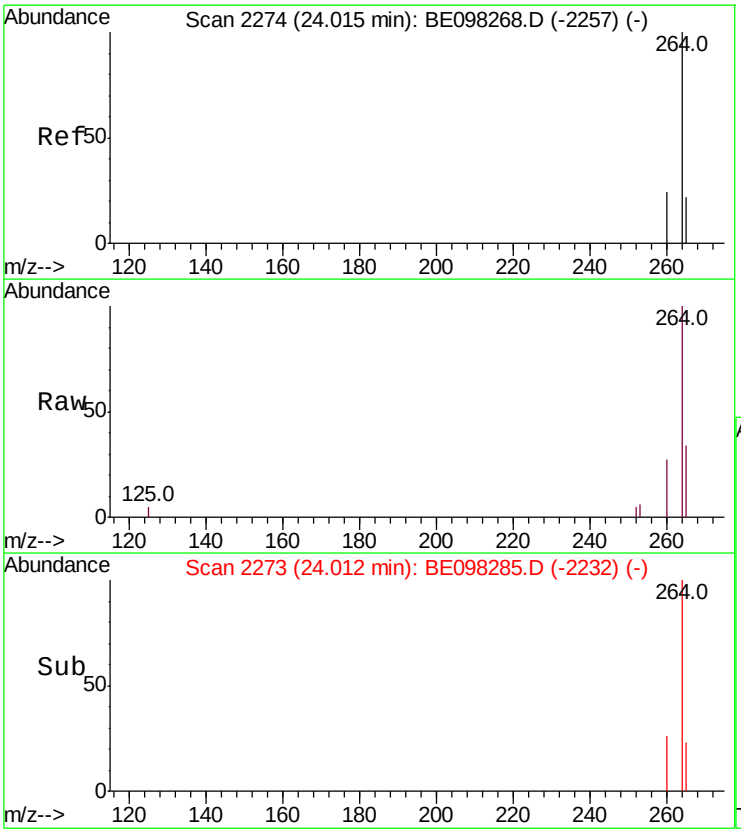
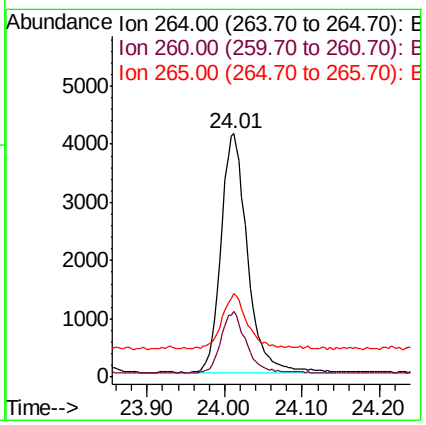
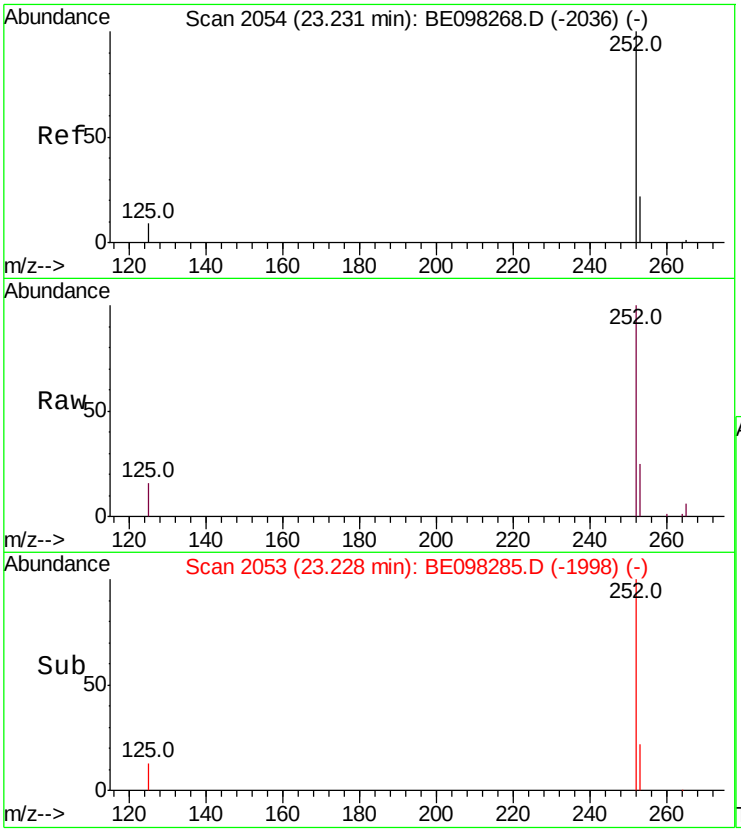


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:264 Resp: 9711

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.2	30.2
265	34.2	25.2	37.8





#35
Benzo(b)fluoranthene
Concen: 0.514 ng m
RT: 23.23 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:252 Resp: 14633

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.0	30.0
125	16.1	9.6	14.4#

Instrument :
BNA_E
ClientSampleId :
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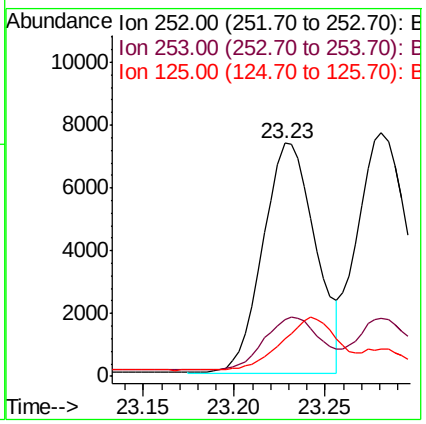
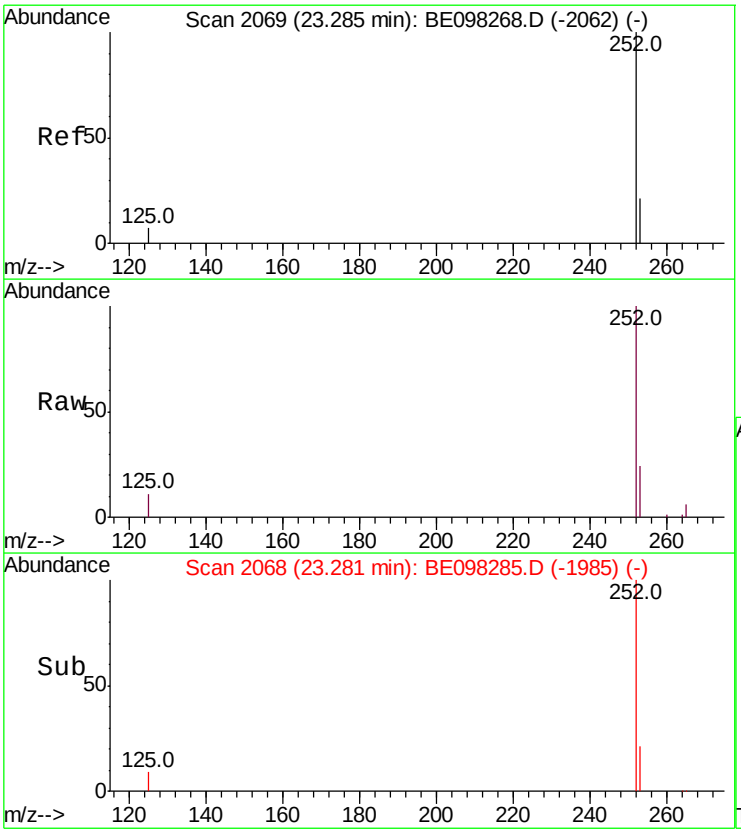
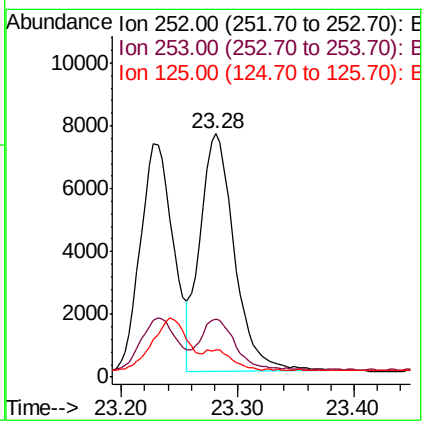


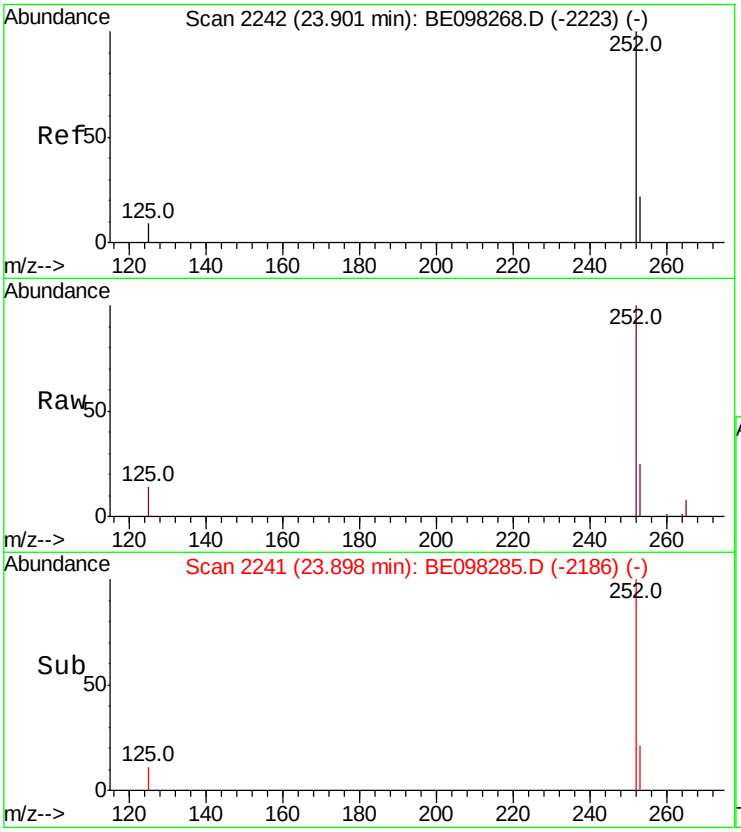


#36
Benzo(k)fluoranthene
Concen: 0.519 ng
RT: 23.28 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:252 Resp: 15510

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.6
125	11.0	9.1	13.7

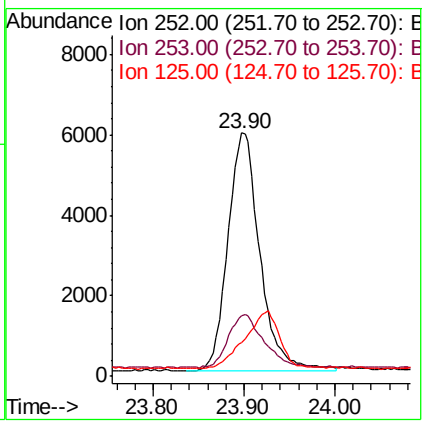




#37
Benzo(a)pyrene
Concen: 0.527 ng
RT: 23.90 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:252 Resp: 14461

Ion	Ratio	Lower	Upper
252	100		
253	24.7	20.6	30.8
125	13.8	10.5	15.7



Instrument :
BNA_E
ClientSampleId :
EP2-MW-101MSD

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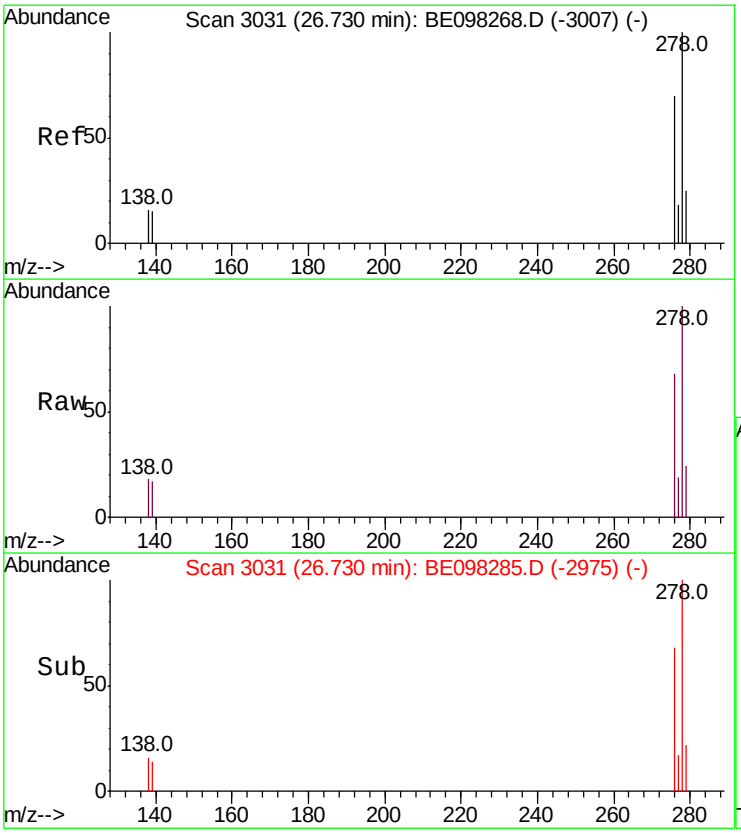
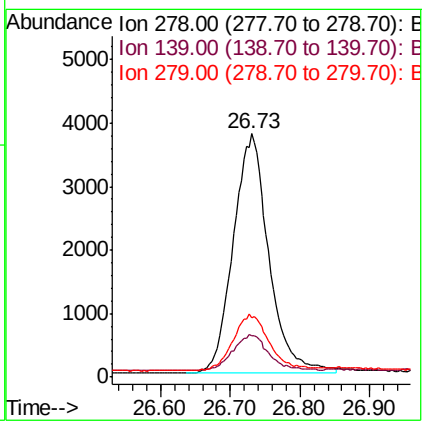
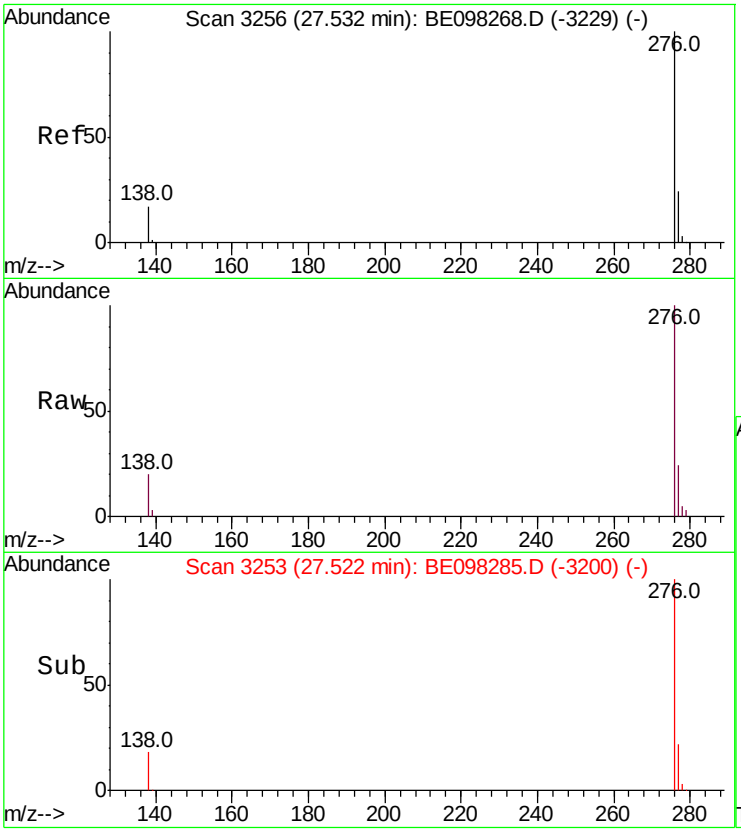


#38
Dibenzo(a,h)anthracene
Concen: 0.512 ng
RT: 26.73 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:278 Resp: 13320

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.5	21.7
279	24.3	21.8	32.8

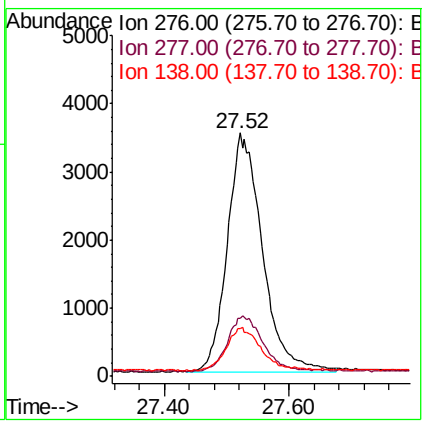




#39
Benzo(g,h,i)perylene
Concen: 0.526 ng
RT: 27.52 min Scan# 3253
Delta R.T. -0.01 min
Lab File: BE098285.D
Acq: 30 Nov 2018 13:05

Tgt Ion:276 Resp: 13711

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.8	31.2
138	19.8	15.8	23.6



Instrument :
BNA_E
ClientSampleId :
EP2-MW-101MSD

Manual Integrations APPROVED
mohammad
12/3/2018 3:33:53 PM