Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050719\
Data File : BE099569.D
Acq On : 7 May 2019 17:24
Operator : JU/SJ
Sample : K2675-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : OUTFALL001-WK-1

Quant Time: May 08 01:36:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 14:10:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	2132	0.40	ng		0.00
7) Naphthalene-d8	10.63	136	7541	0.40	ng		0.00
13) Acenaphthene-d10	14.50	164	5226	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	15367	0.40	ng		0.00
27) Chrysene-d12	21.43	240	20037	0.40	ng		0.00
34) Perylene-d12	23.97	264	23137	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	992	0.17	ng		0.00
5) Phenol-d6	6.99	99	815	0.10	ng		0.00
8) Nitrobenzene-d5	8.98	82	2451	0.34	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	4428	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	1198	0.34	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	8179	0.41	ng		0.00
25) Fluoranthene-d10	19.28	212	75571	0.37	ng		0.00
29) Terphenyl-d14	19.87	244	19779	0.53	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	334	0.111	ng	#	76
3) n-Nitrosodimethylamine	3.66	42	36	0.018	ng	#	25
6) bis(2-Chloroethyl)ether	7.22	93	58	0.009	ng	#	32
9) Naphthalene	10.68	128	196	0.002	ng	#	55
10) Hexachlorobutadiene	10.99	225	3	0.001	ng	#	1
12) 2-Methylnaphthalene	12.30	142	19	0.001	ng	#	51
16) Acenaphthylene	14.21	152	25	0.001	ng	#	1
17) Acenaphthene	14.56	154	12	0.001	ng	#	18
18) Fluorene	15.54	166	21	0.001	ng	#	15
20) 4-Bromophenyl-phenylether	16.40	248	28	0.003	ng	#	63
21) Hexachlorobenzene	16.56	284	3	0.000	ng	#	1
22) Pentachlorophenol	16.89	266	62	0.017	ng		92
23) Phenanthrene	17.28	178	102	0.003	ng	#	38
24) Anthracene	17.37	178	32	0.001	ng	#	1
26) Fluoranthene	19.30	202	97	0.002	ng	#	72
28) Pyrene	19.67	202	80	0.001	ng	#	75
30) Benzo(a)anthracene	21.41	228	120	0.002	ng	#	1
31) Chrysene	21.46	228	94	0.002	ng	#	1
32) Bis(2-ethylhexyl)phthalate	21.32	149	54841	0.557	ng		100
33) Indeno(1,2,3-cd)pyrene	26.68	276	16	0.000	ng	#	1
35) Benzo(b)fluoranthene	23.19	252	132	0.002	ng	#	1
36) Benzo(k)fluoranthene	23.25	252	27	0.000	ng	#	1
37) Benzo(a)pyrene	23.86	252	110	0.002	ng	#	1
38) Dibenzo(a,h)anthracene	26.71	278	6	0.000	ng	#	1
39) Benzo(g,h,i)perylene	27.51	276	19	0.000	ng	#	1

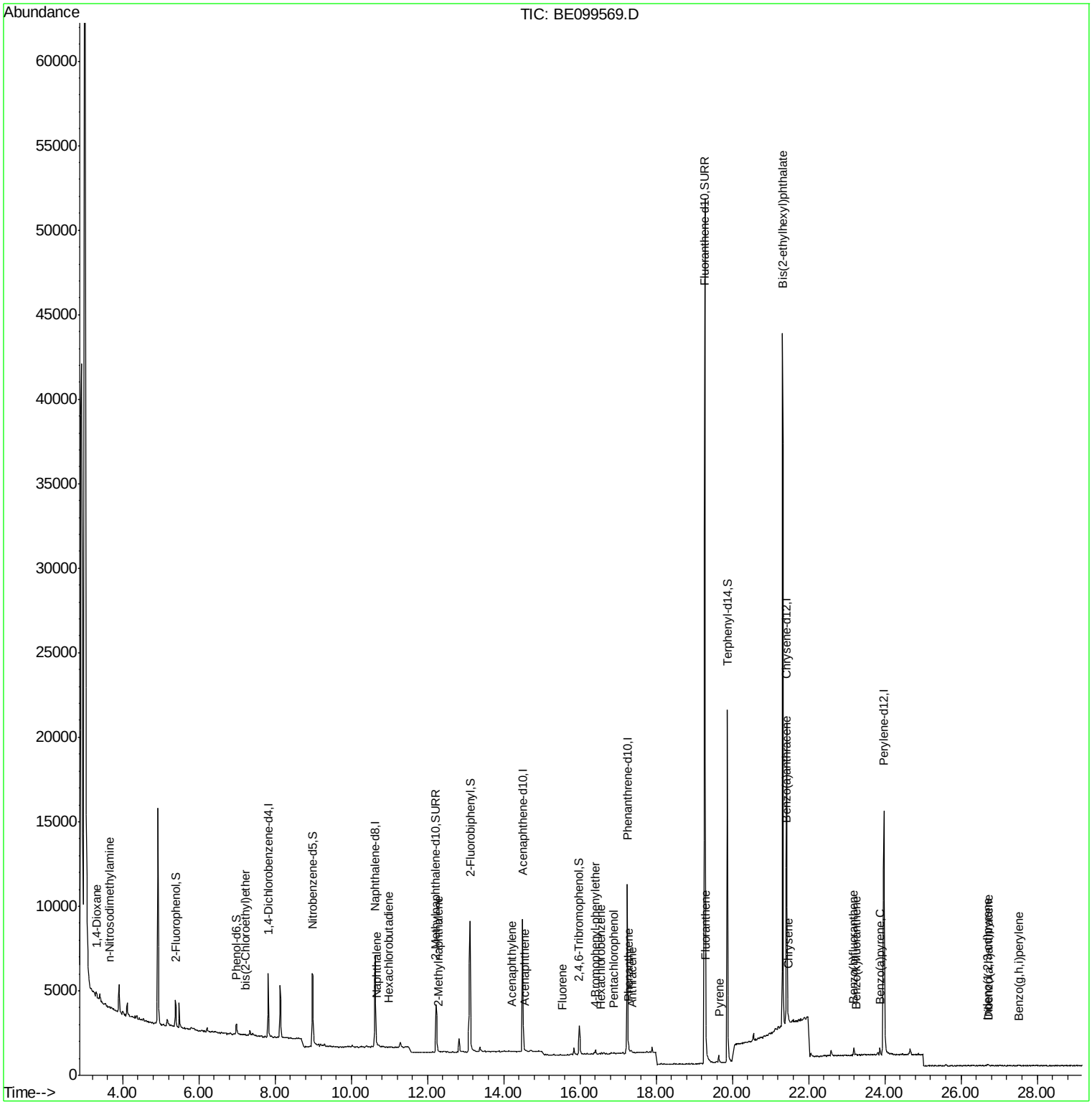
(#) = qualifier out of range (m) = manual integration (+) = signals summed

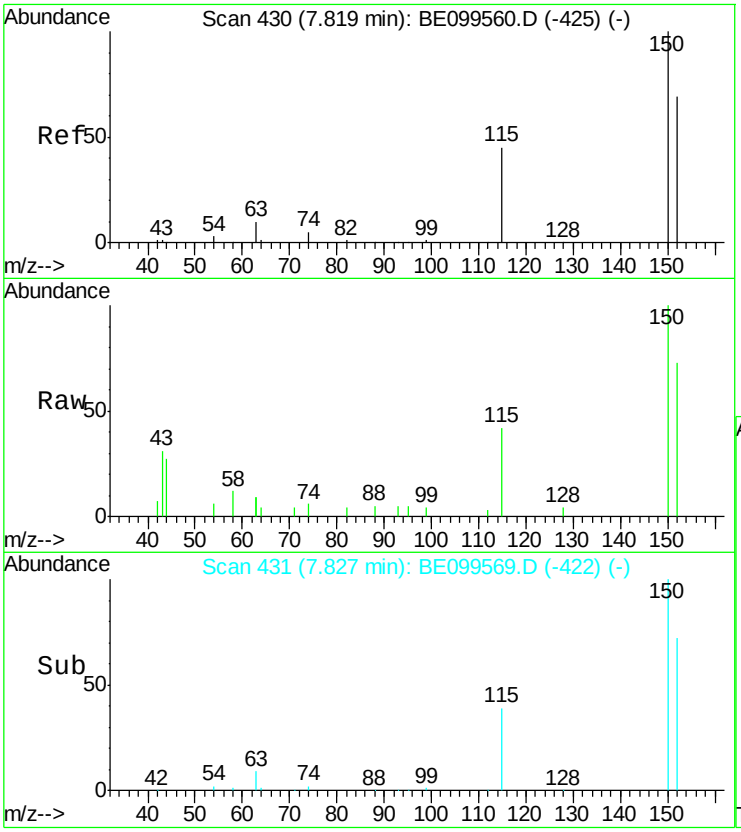
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050719\
Data File : BE099569.D
Acq On : 7 May 2019 17:24
Operator : JU/SJ
Sample : K2675-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Quant Time: May 08 01:36:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 14:10:11 2019
Response via : Initial Calibration



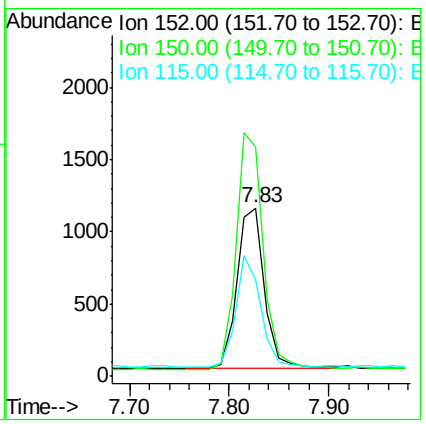


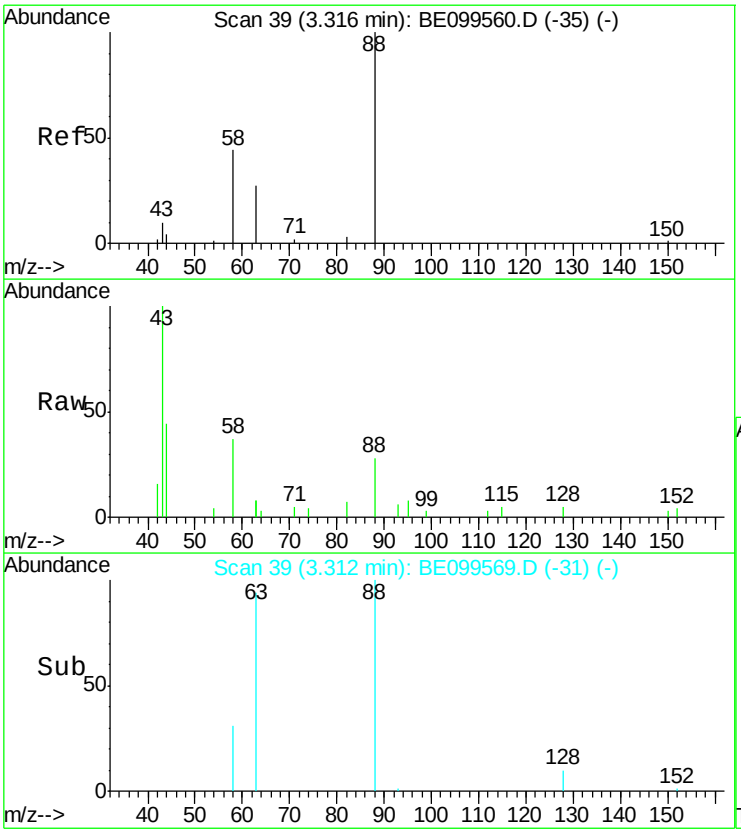
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. 0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:152 Resp: 2132

Ion	Ratio	Lower	Upper
152	100		
150	136.6	113.8	170.6
115	57.5	54.2	81.2

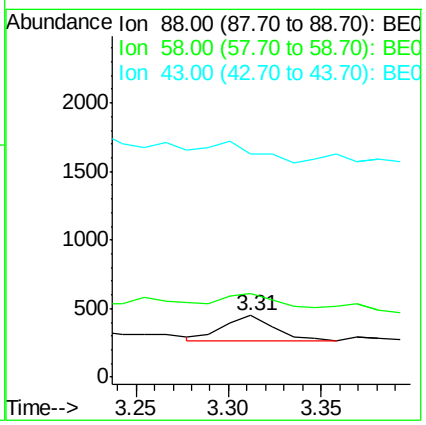


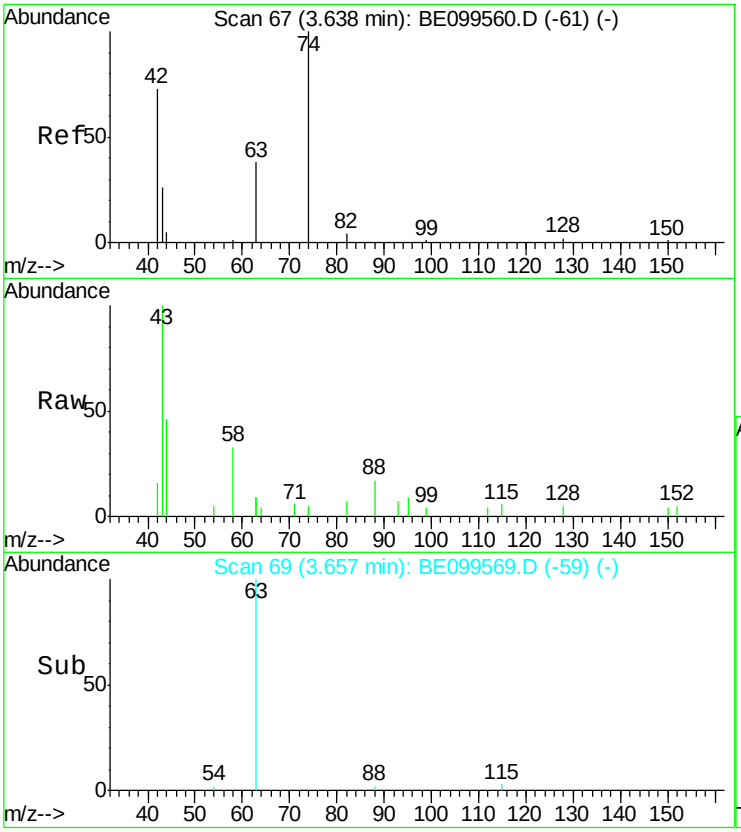


#2
1,4-Dioxane
Concen: 0.111 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion: 88 Resp: 334

Ion	Ratio	Lower	Upper
88	100		
58	49.4	46.6	69.8
43	0.0	20.3	30.5#



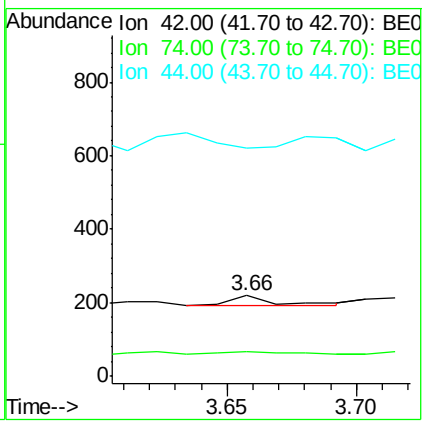


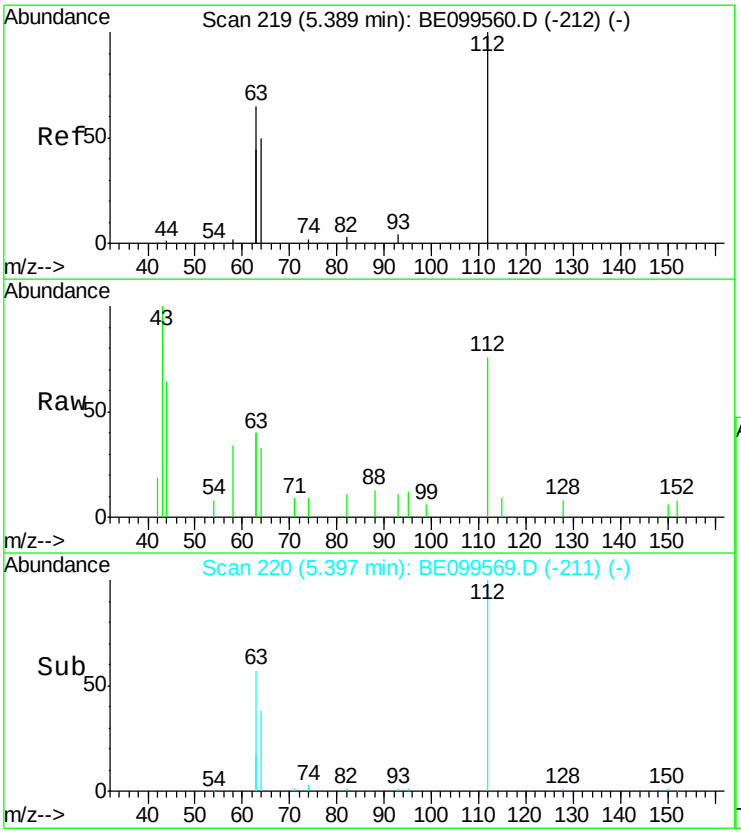
#3
n-Nitrosodimethylamine
Concen: 0.018 ng
RT: 3.66 min Scan# 69
Delta R.T. 0.02 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion: 42 Resp: 36

Ion	Ratio	Lower	Upper
42	100		
74	55.6	121.3	181.9#
44	0.0	0.0	0.0

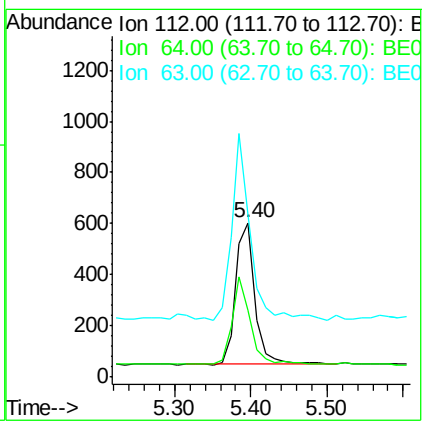


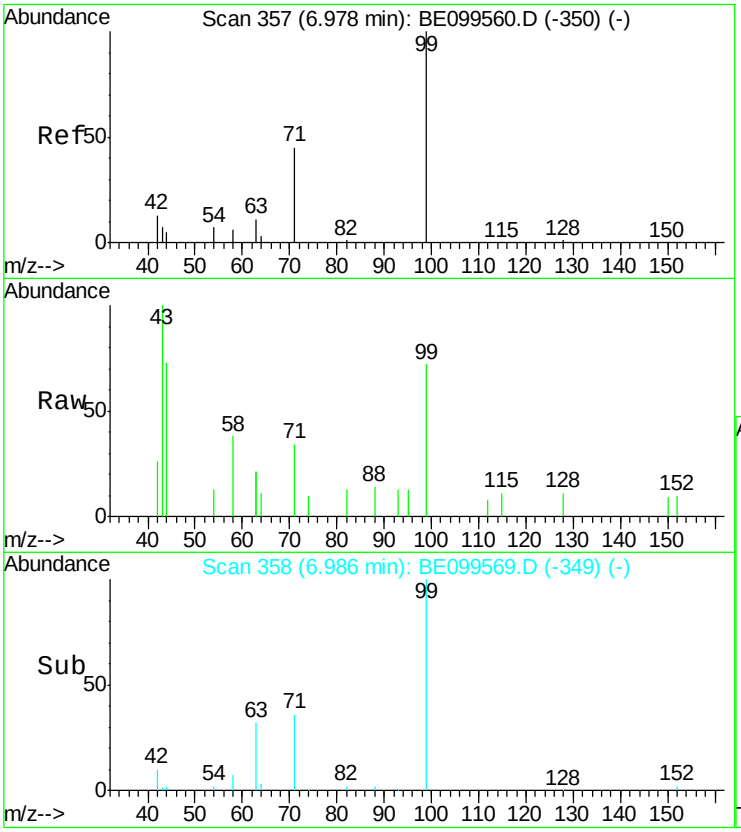


#4
2-Fluorophenol
Concen: 0.168 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:112 Resp: 992

Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.3	69.5
63	124.7	99.6	149.4



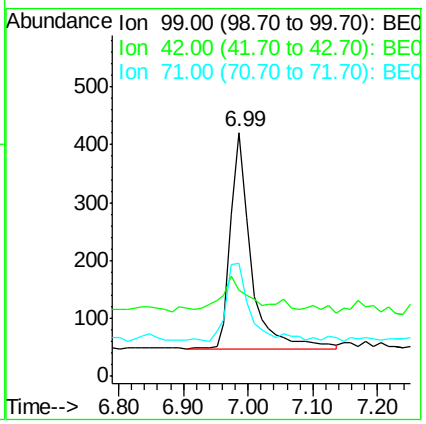


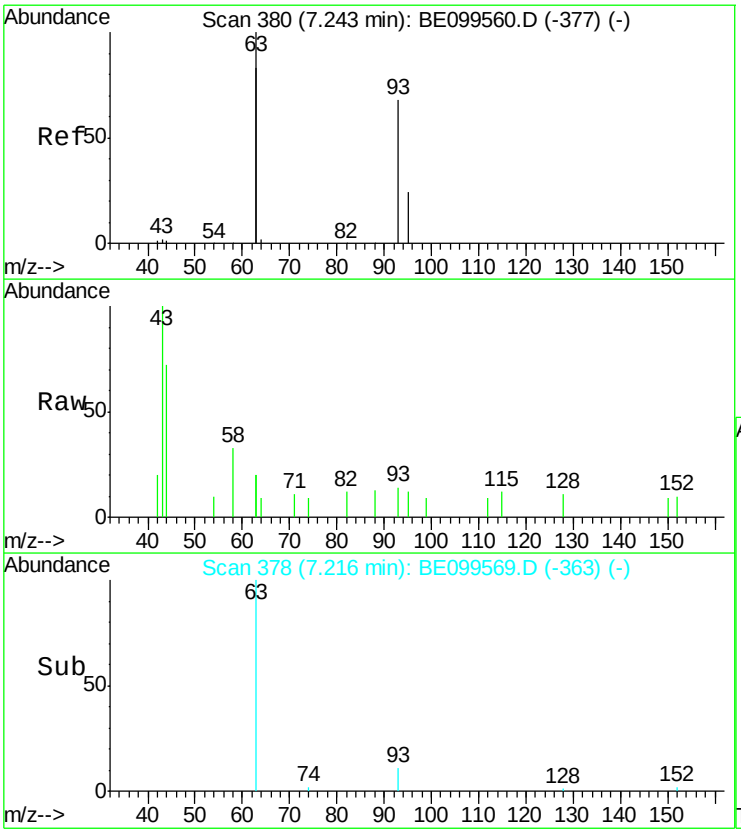
#5
Phenol-d6
Concen: 0.105 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion: 99 Resp: 815

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.4	20.0
71	37.5	34.2	51.2

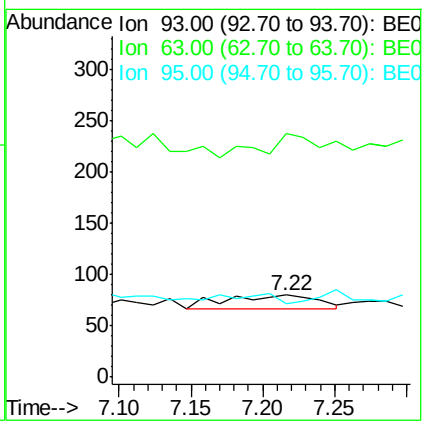


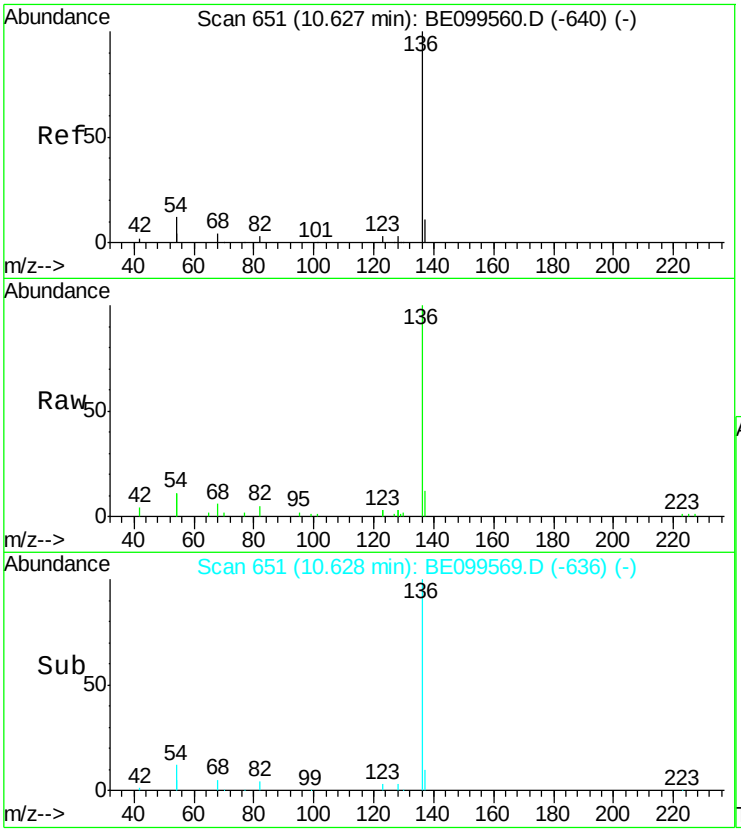


#6
bis(2-Chloroethyl)ether
Concen: 0.009 ng
RT: 7.22 min Scan# 378
Delta R.T. -0.03 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion: 93 Resp: 58

Ion	Ratio	Lower	Upper
93	100		
63	124.1	209.0	313.4#
95	36.2	26.9	40.3



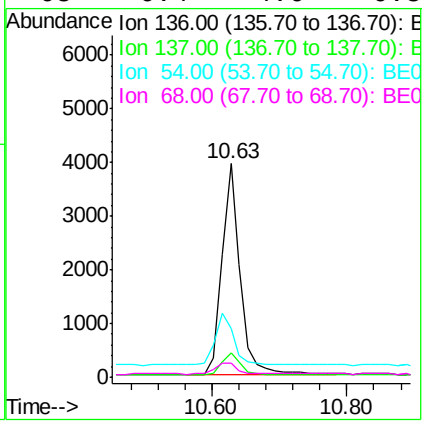


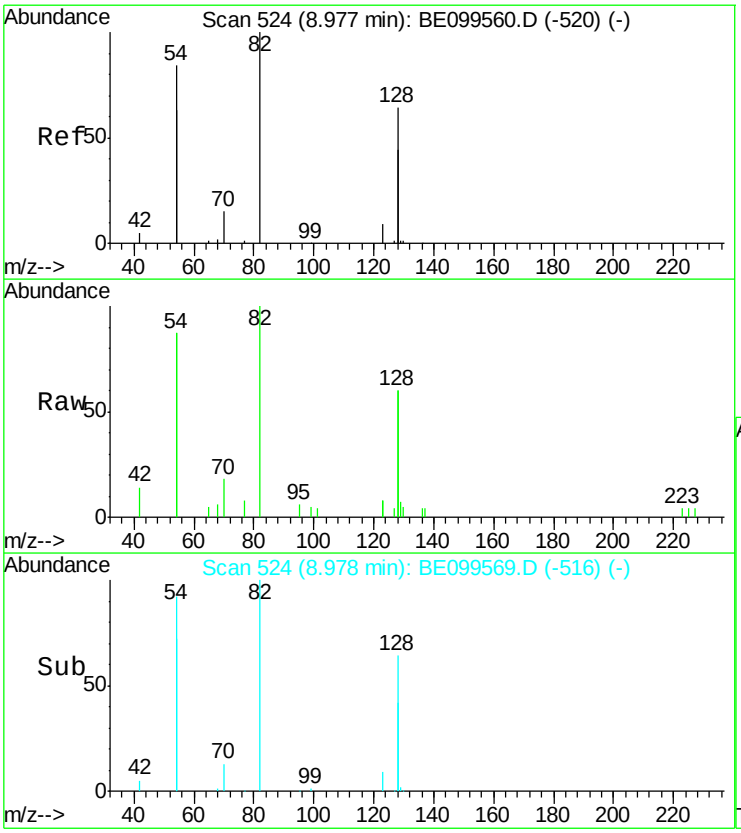
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:136 Resp: 7541

Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.0	15.0
54	22.9	18.6	28.0
68	6.4	4.6	6.8

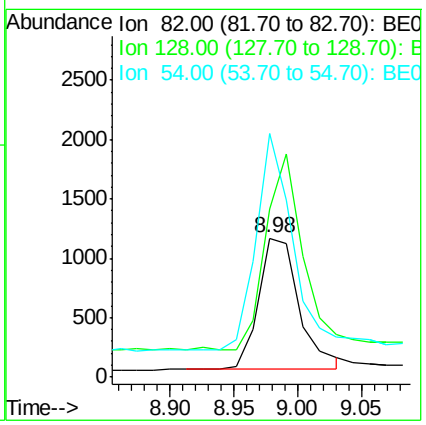


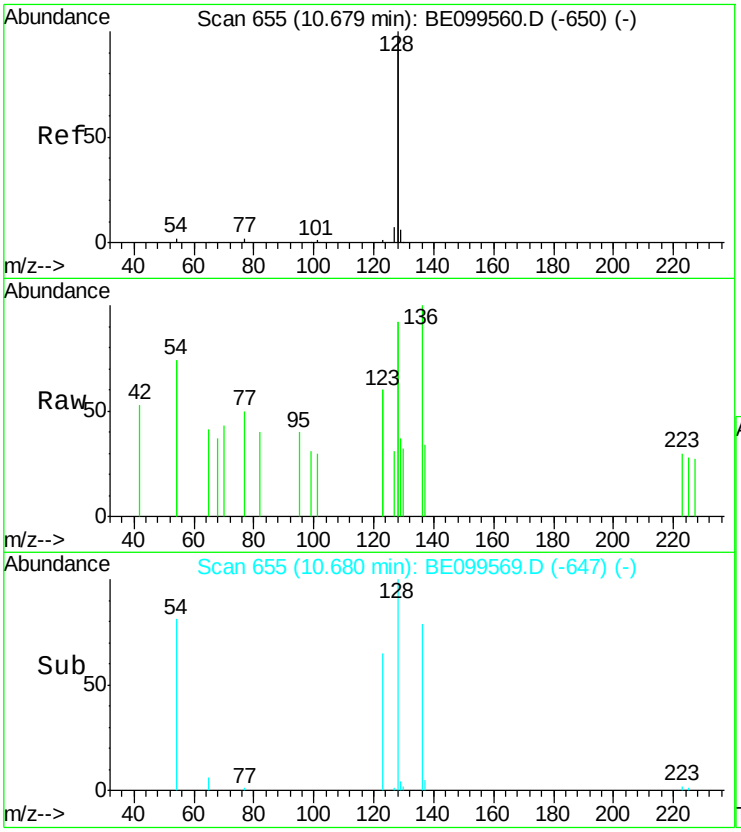


#8
Nitrobenzene-d5
Concen: 0.337 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion: 82 Resp: 2451

Ion	Ratio	Lower	Upper
82	100		
128	120.5	97.6	146.4
54	174.9	127.4	191.2



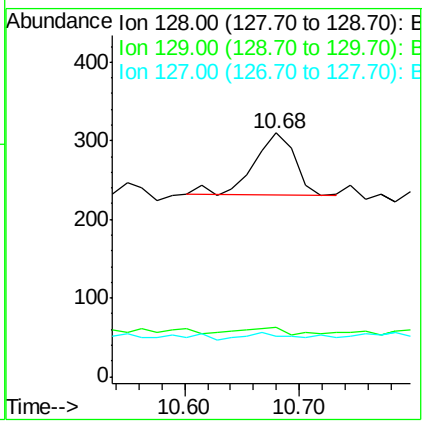


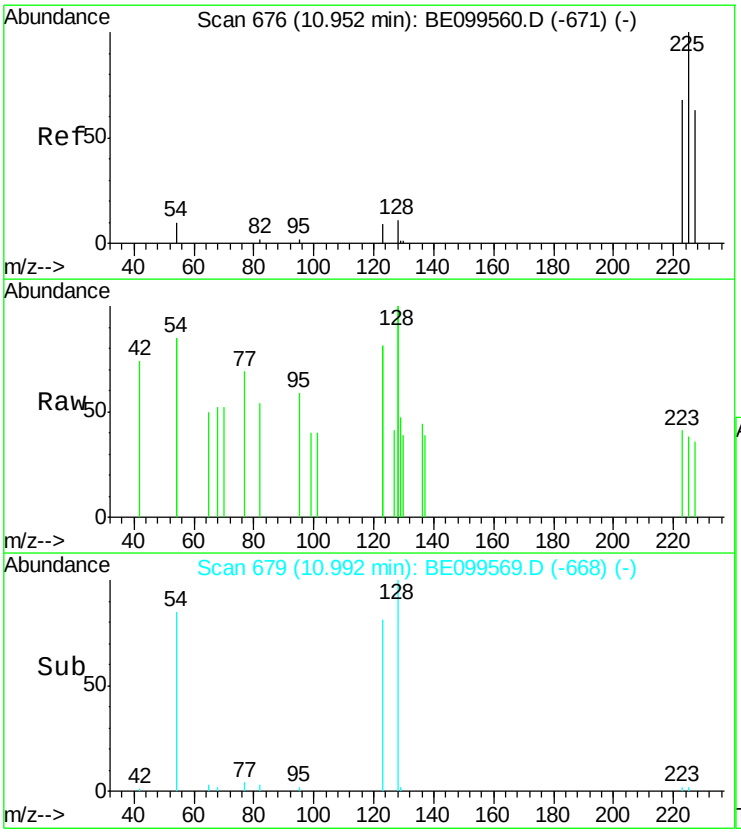
#9
Naphthalene
Concen: 0.002 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:128 Resp: 196

Ion	Ratio	Lower	Upper
128	100		
129	20.3	2.6	3.8#
127	16.8	3.0	4.4#

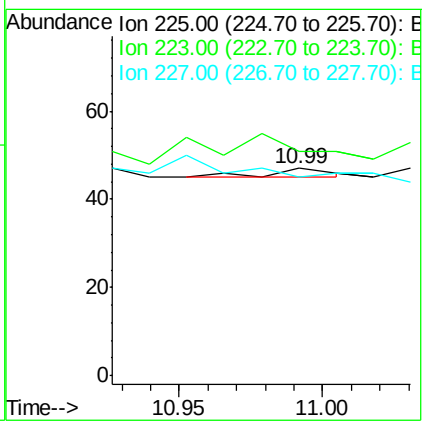


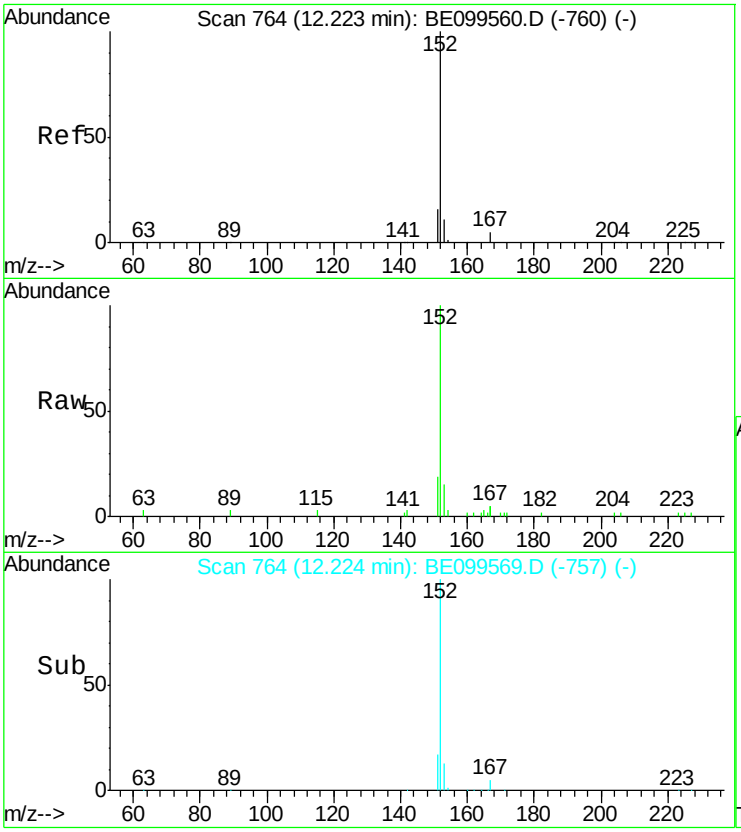


#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.99 min Scan# 679
Delta R.T. 0.04 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:225 Resp: 3

Ion	Ratio	Lower	Upper
225	100		
223	533.3	53.0	79.6#
227	0.0	51.4	77.0#



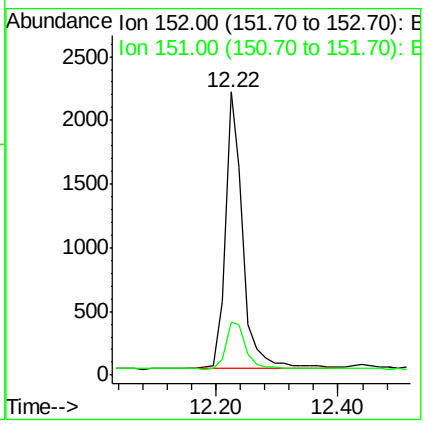


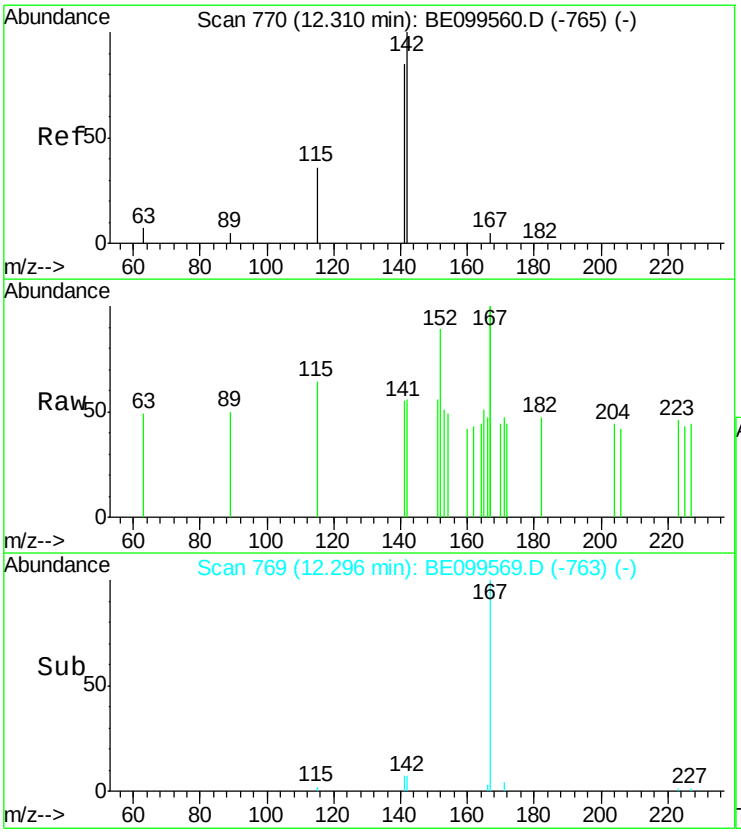
#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:152 Resp: 4428

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8

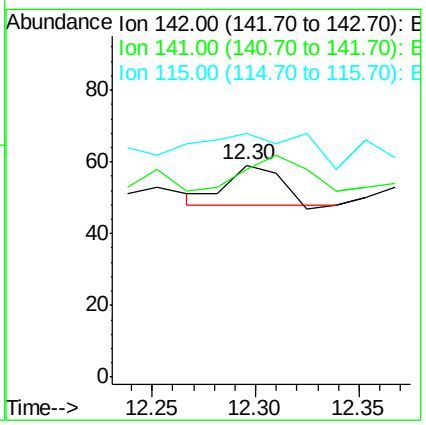


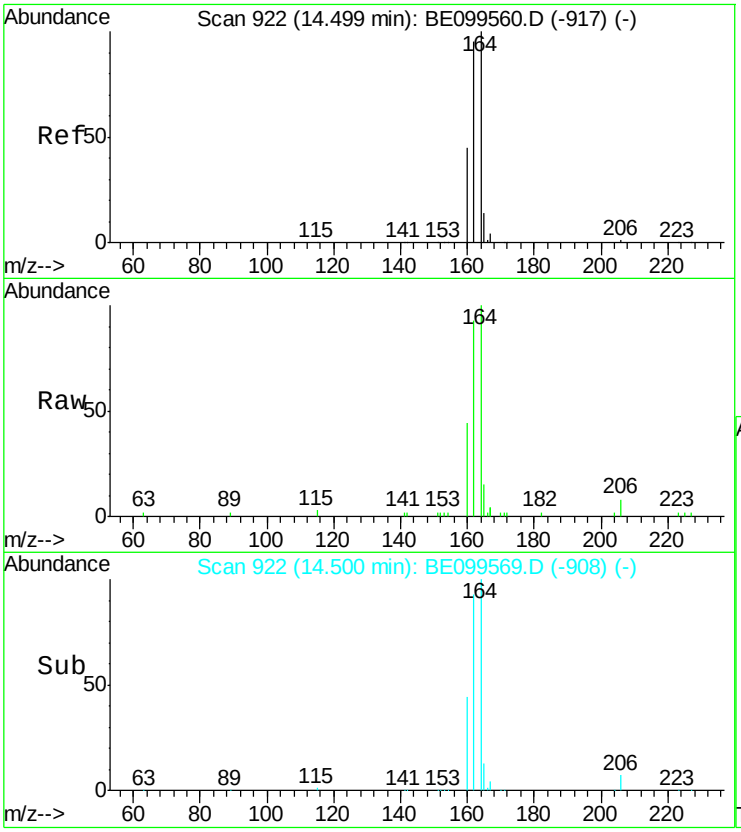


#12
2-Methylnaphthalene
Concen: 0.001 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:142 Resp: 19

Ion	Ratio	Lower	Upper
142	100		
141	98.3	68.1	102.1
115	115.3	30.8	46.2#



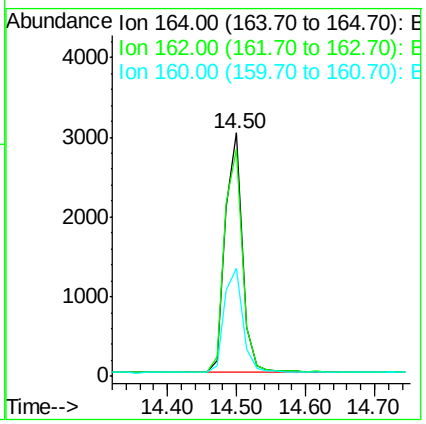


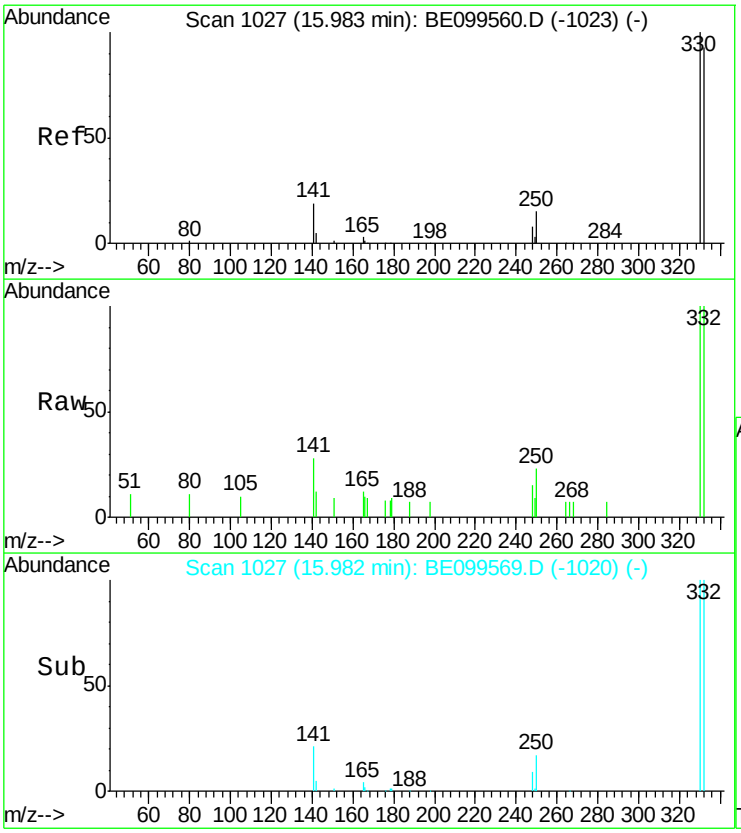
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:164 Resp: 5226

Ion	Ratio	Lower	Upper
164	100		
162	93.3	76.4	114.6
160	44.4	36.6	55.0

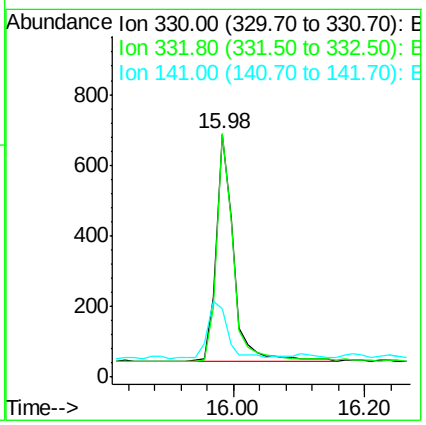


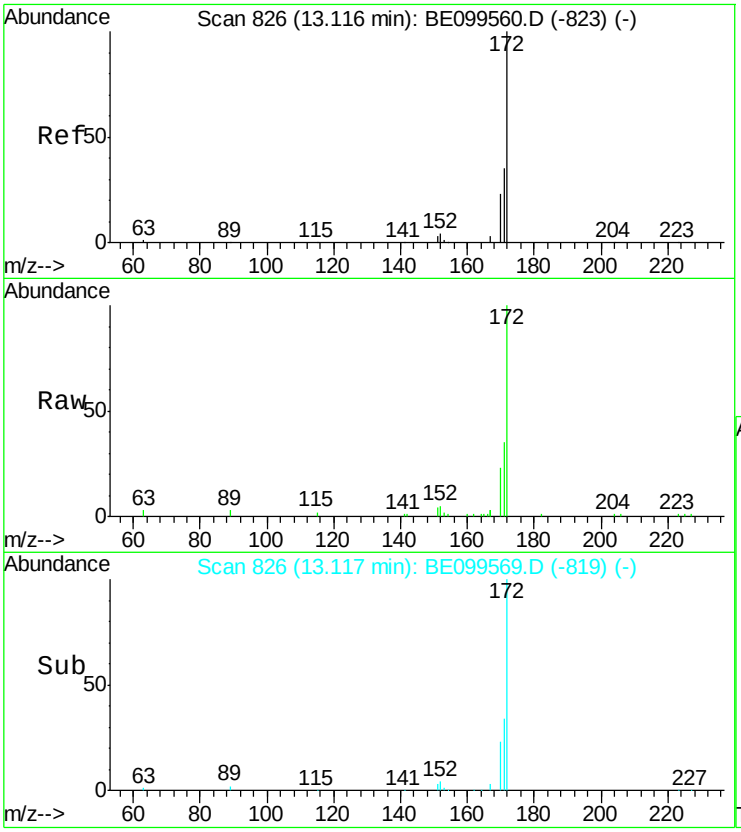


#14
2,4,6-Tribromophenol
Concen: 0.344 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:330 Resp: 1198

Ion	Ratio	Lower	Upper
330	100		
332	99.2	77.7	116.5
141	27.5	26.1	39.1



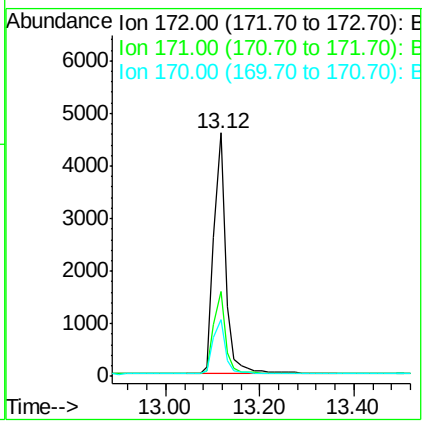


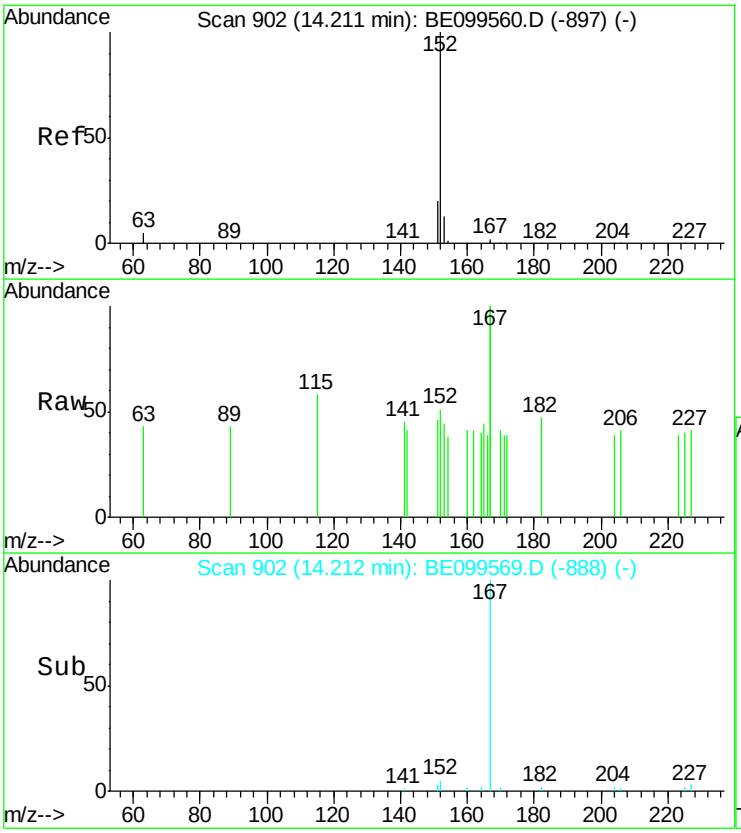
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:172 Resp: 8179

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.4	42.6
170	23.3	18.8	28.2

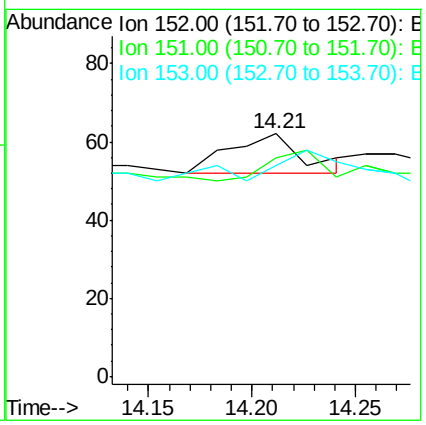


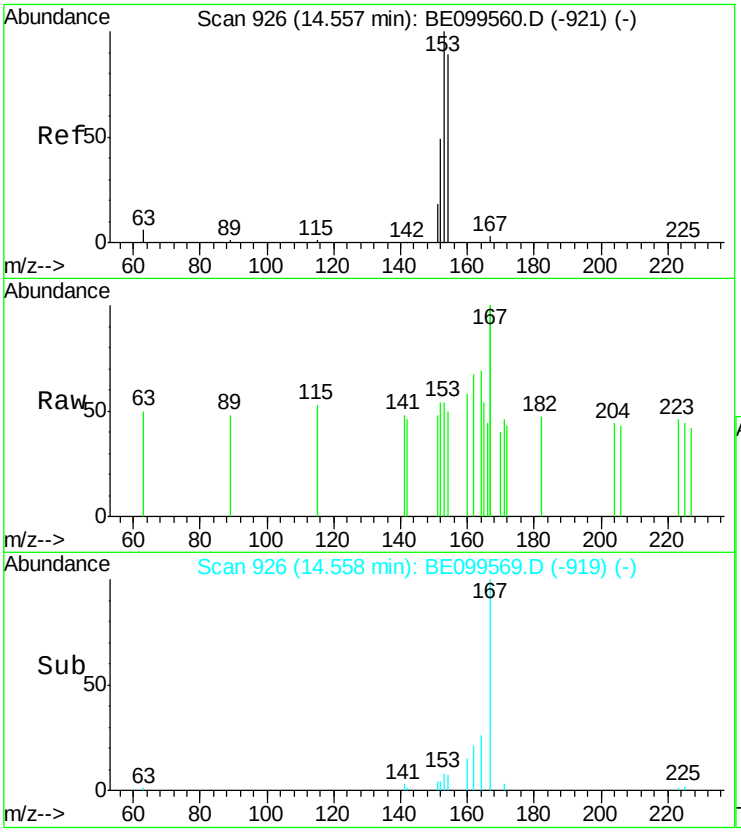


#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:152 Resp: 25

Ion	Ratio	Lower	Upper
152	100		
151	136.0	15.8	23.8#
153	124.0	10.5	15.7#



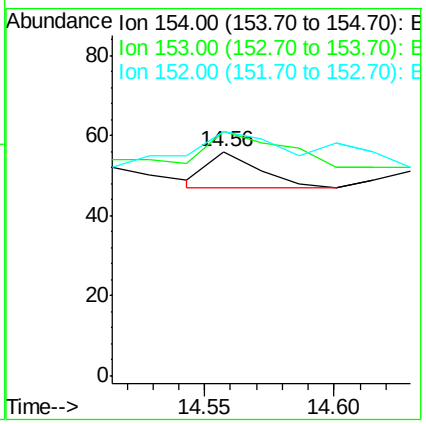


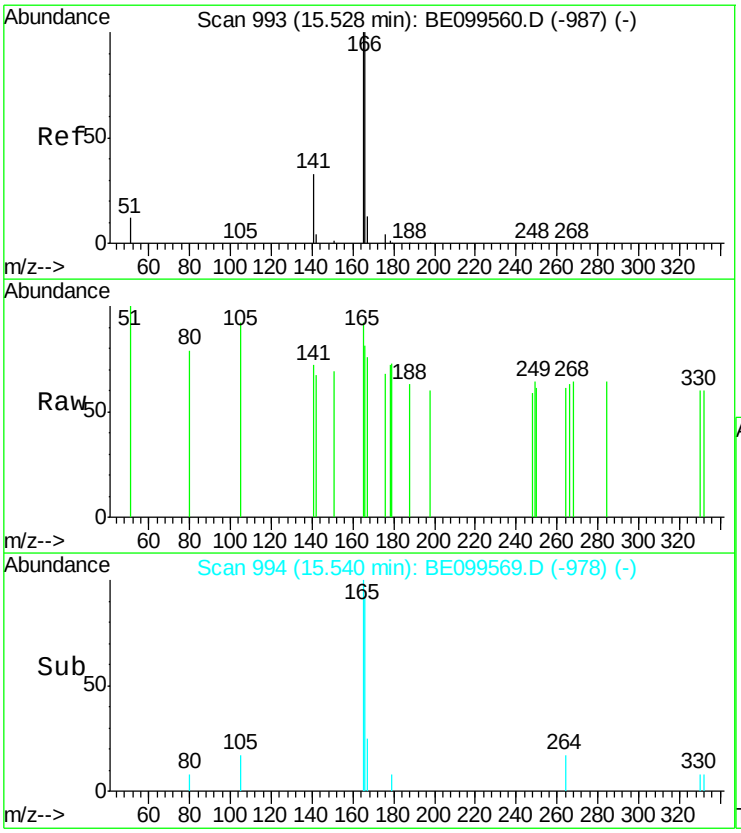
#17
Acenaphthene
Concen: 0.001 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:154 Resp: 12

Ion	Ratio	Lower	Upper
154	100		
153	150.0	89.7	134.5#
152	183.3	43.9	65.9#

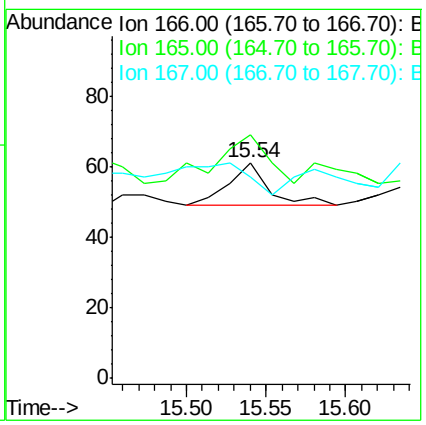


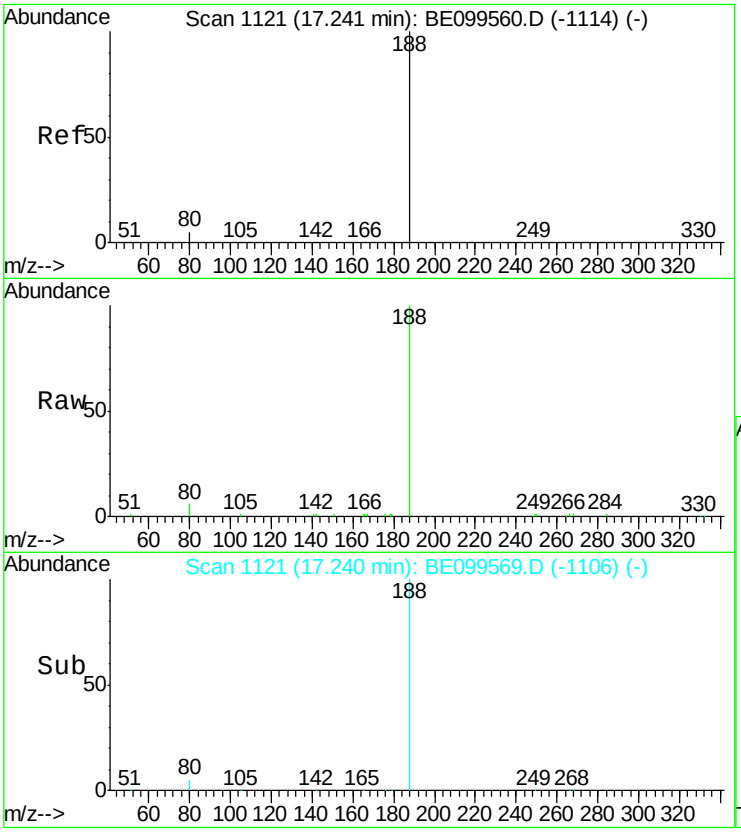


#18
Fluorene
Concen: 0.001 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:166 Resp: 21

Ion	Ratio	Lower	Upper
166	100		
165	152.4	79.0	118.6#
167	138.1	11.5	17.3#



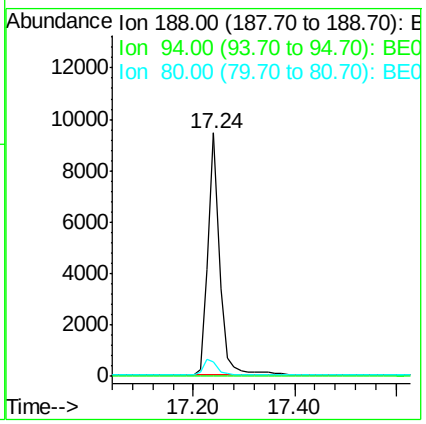


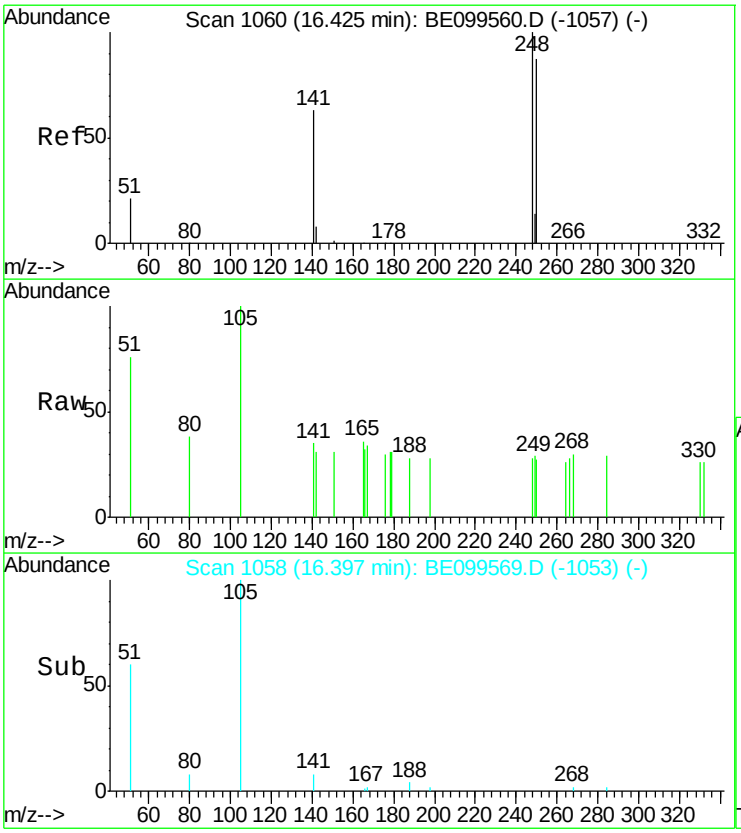
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:188 Resp: 15367

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.1	4.6	7.0

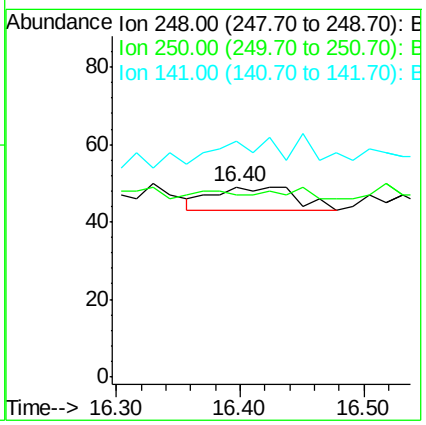


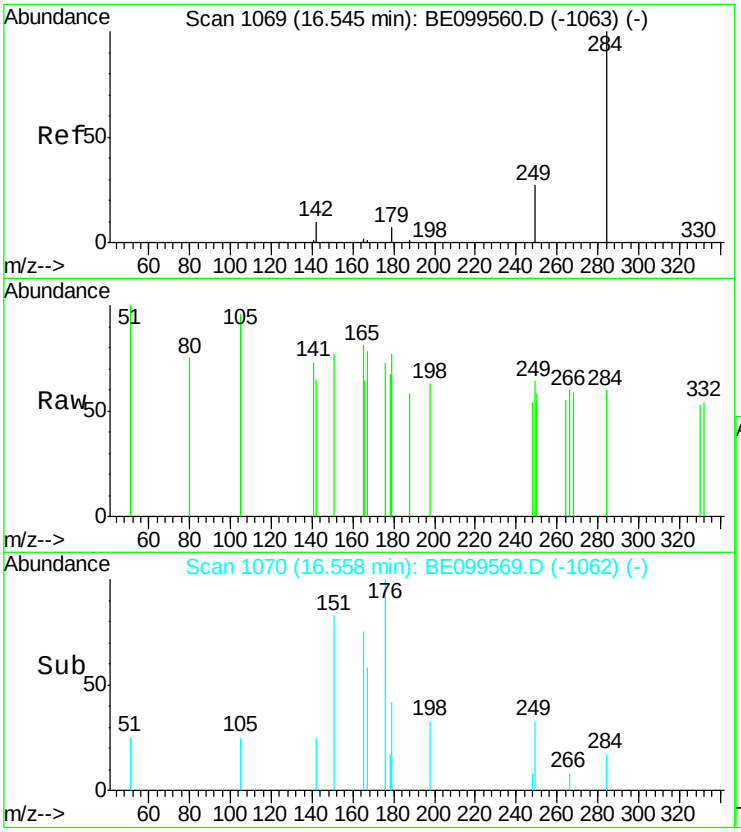


#20
4-Bromophenyl-phenylether
Concen: 0.003 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.03 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:248 Resp: 28

Ion	Ratio	Lower	Upper
248	100		
250	95.9	70.0	105.0
141	124.5	51.8	77.8#



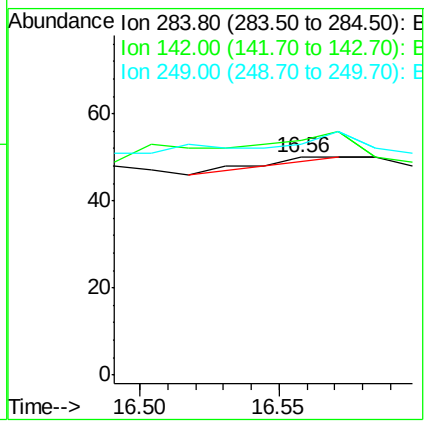


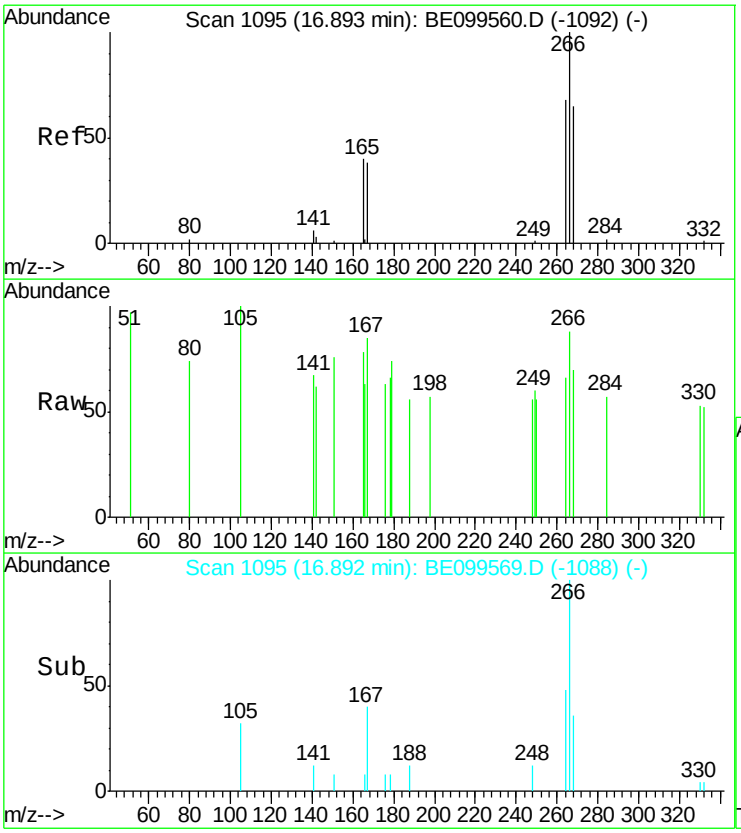
#21
Hexachlorobenzene
Concen: 0.000 ng
RT: 16.56 min Scan# 1070
Delta R.T. 0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:284 Resp: 3

Ion	Ratio	Lower	Upper
284	100		
142	733.3	19.5	29.3#
249	533.3	26.2	39.2#

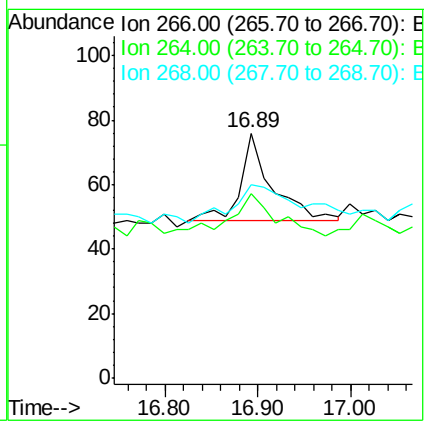


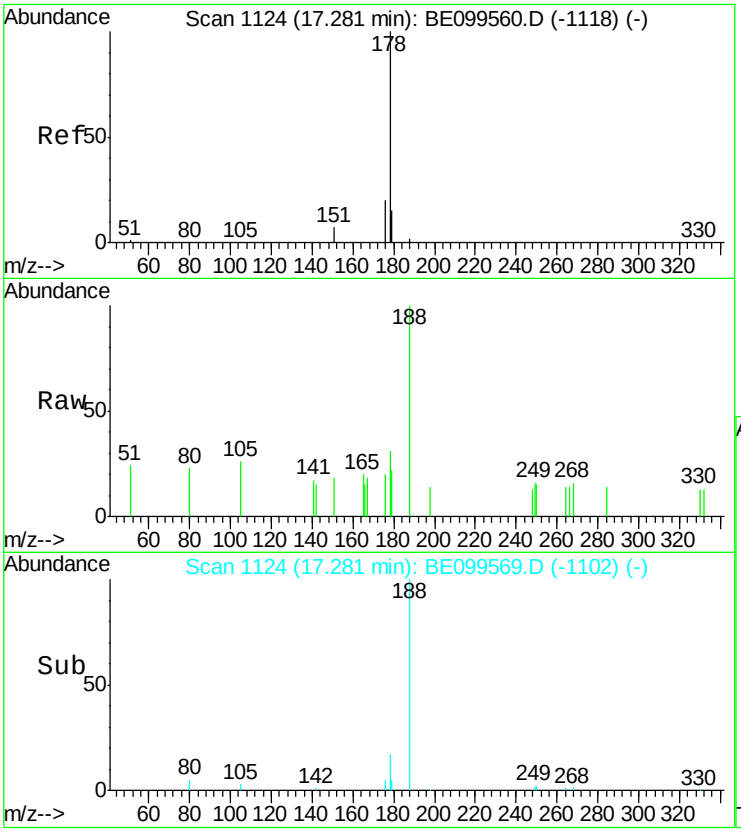


#22
Pentachlorophenol
Concen: 0.017 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:266 Resp: 62

Ion	Ratio	Lower	Upper
266	100		
264	75.0	56.6	84.8
268	78.9	55.8	83.8



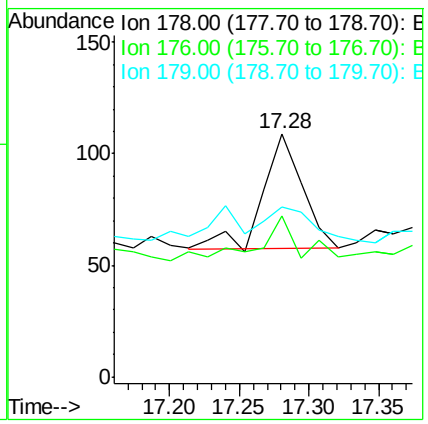


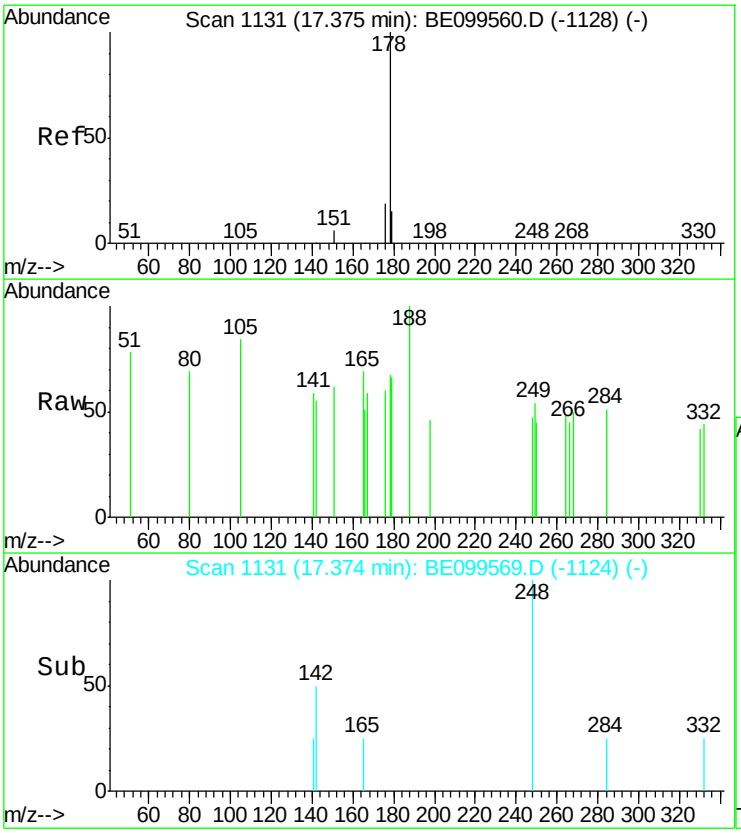
#23
Phenanthrene
Concen: 0.003 ng
RT: 17.28 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:178 Resp: 102

Ion	Ratio	Lower	Upper
178	100		
176	45.1	15.8	23.6#
179	45.1	12.5	18.7#

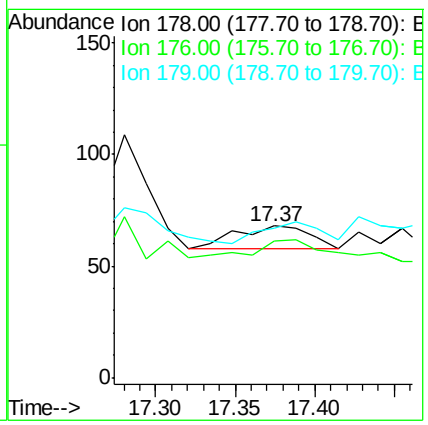


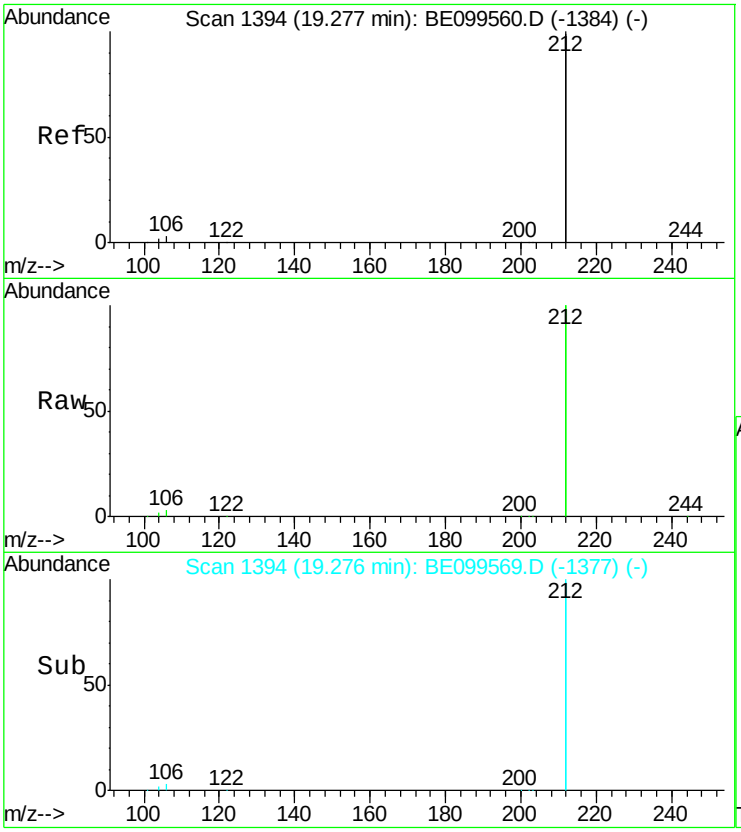


#24
Anthracene
Concen: 0.001 ng
RT: 17.37 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:178 Resp: 32

Ion	Ratio	Lower	Upper
178	100		
176	106.3	15.3	22.9#
179	78.1	12.2	18.4#



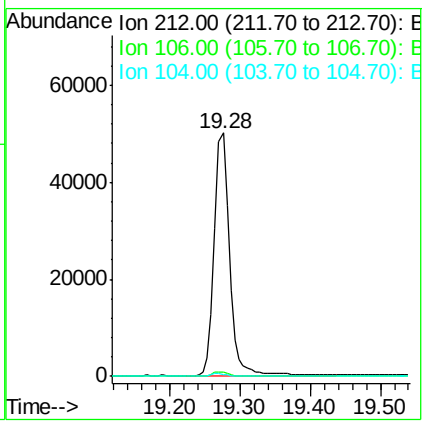


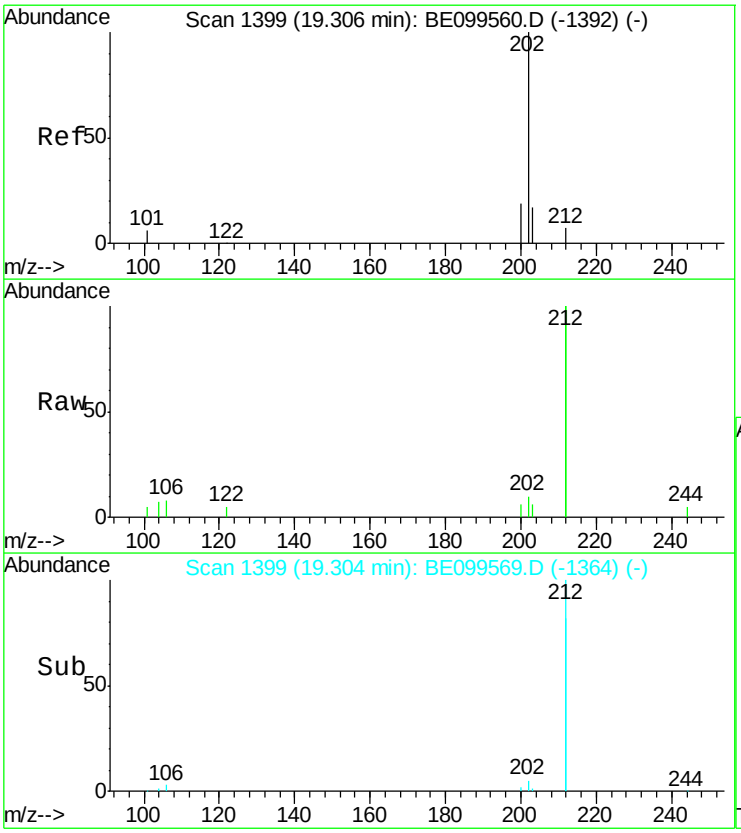
#25
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.28 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:212 Resp: 75571

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.0
104	1.1	0.8	1.2

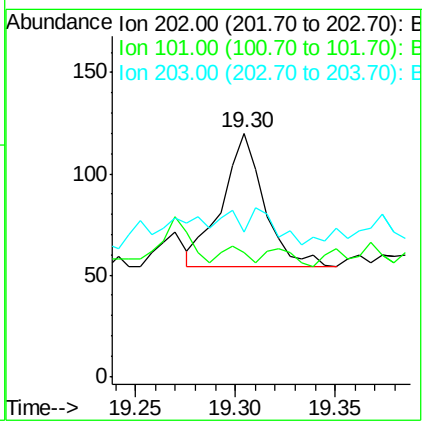


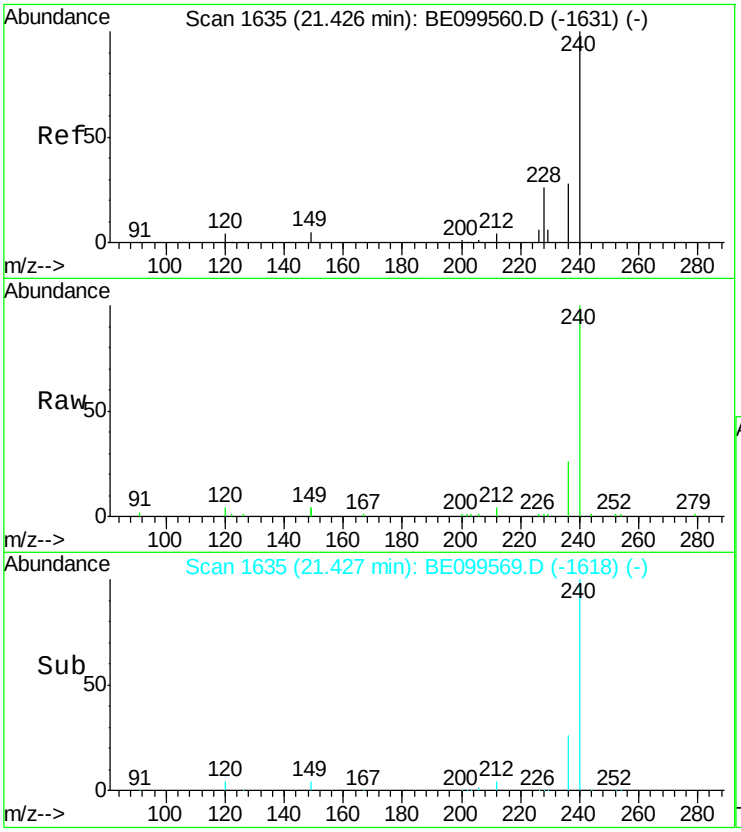


#26
Fluoranthene
Concen: 0.002 ng
RT: 19.30 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:202 Resp: 97

Ion	Ratio	Lower	Upper
202	100		
101	6.2	5.3	7.9
203	0.0	13.4	20.2#



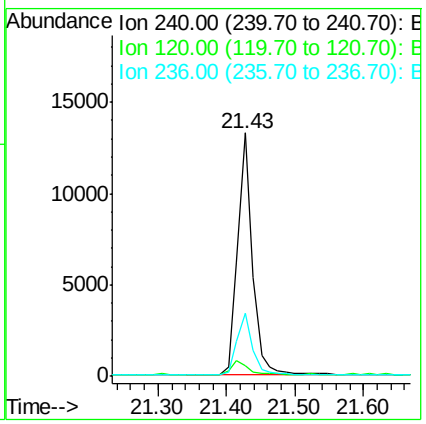


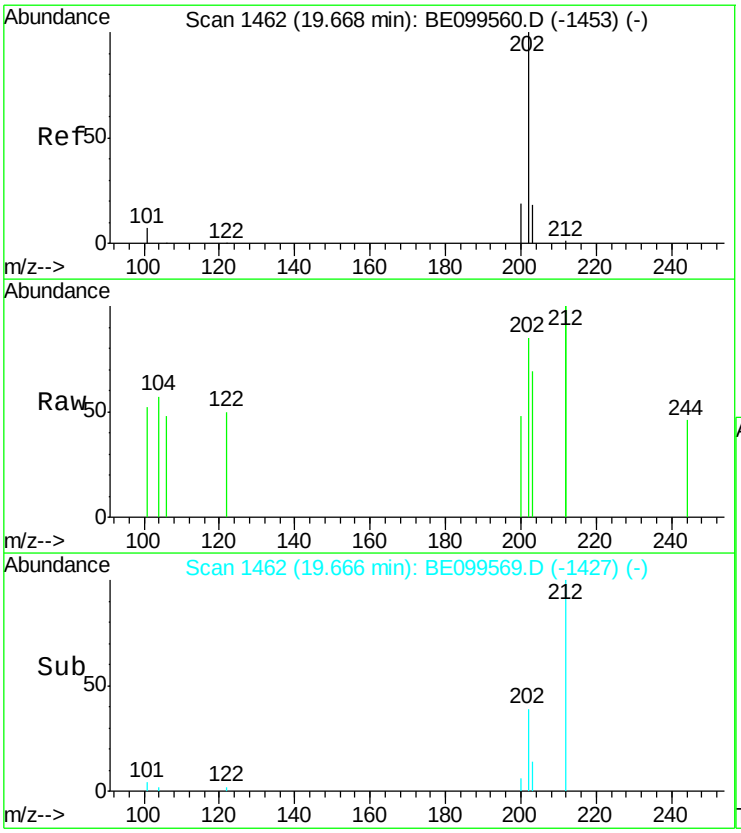
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:240 Resp: 20037

Ion	Ratio	Lower	Upper
240	100		
120	4.4	3.8	5.6
236	26.2	22.5	33.7

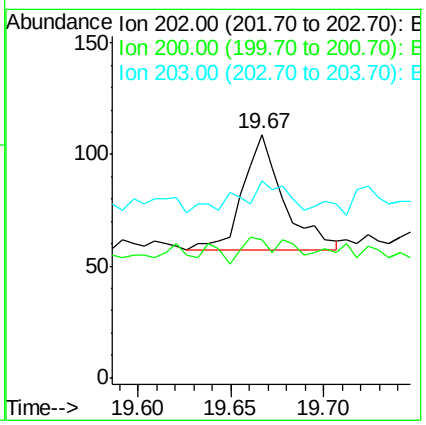


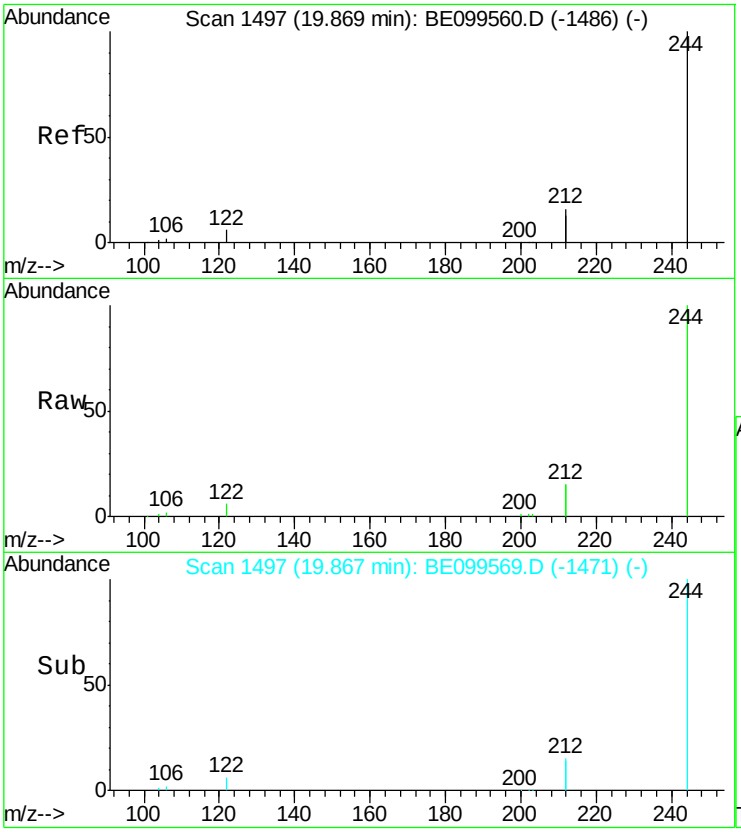


#28
Pyrene
Concen: 0.001 ng
RT: 19.67 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:202 Resp: 80

Ion	Ratio	Lower	Upper
202	100		
200	15.0	15.8	23.6#
203	36.3	14.1	21.1#



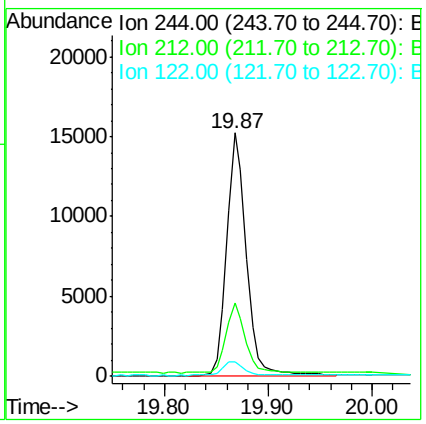


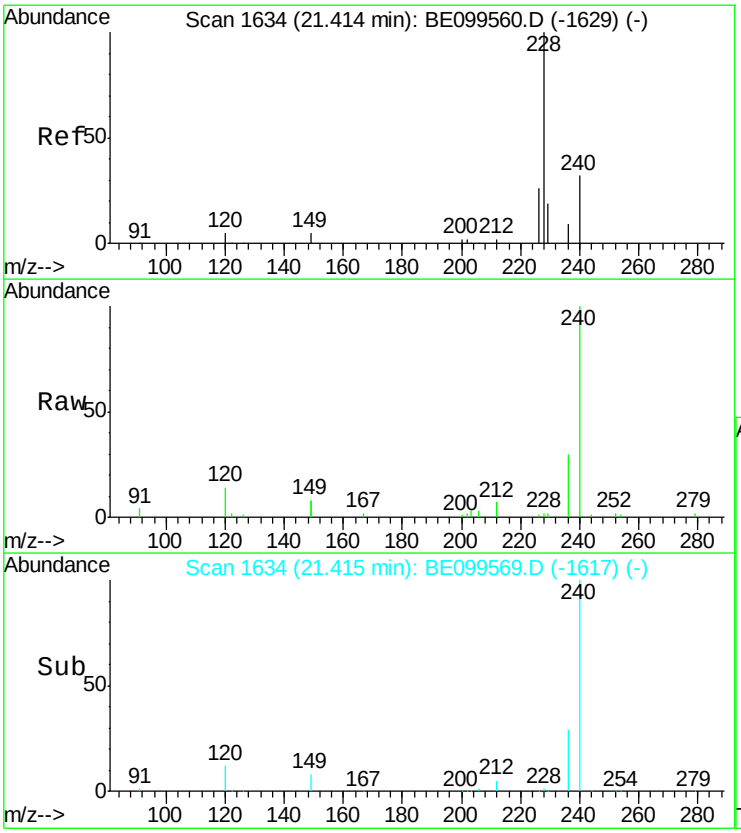
#29
Terphenyl-d14
Concen: 0.533 ng
RT: 19.87 min Scan# 1497
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:244 Resp: 19779

Ion	Ratio	Lower	Upper
244	100		
212	30.0	24.6	37.0
122	6.2	5.0	7.6

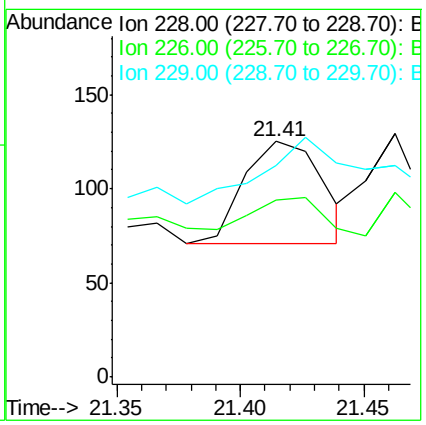


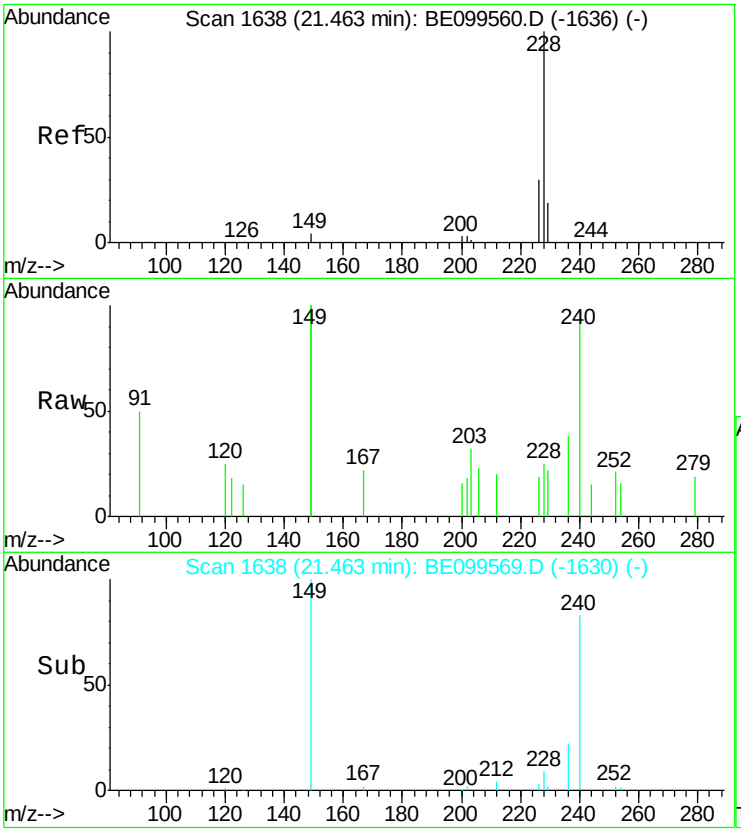


#30
Benzo(a)anthracene
Concen: 0.002 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:228 Resp: 120

Ion	Ratio	Lower	Upper
228	100		
226	75.2	20.9	31.3#
229	89.6	16.1	24.1#



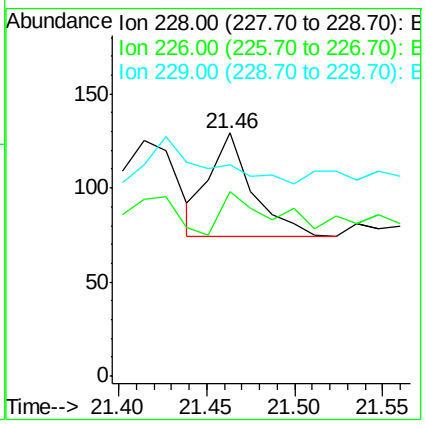


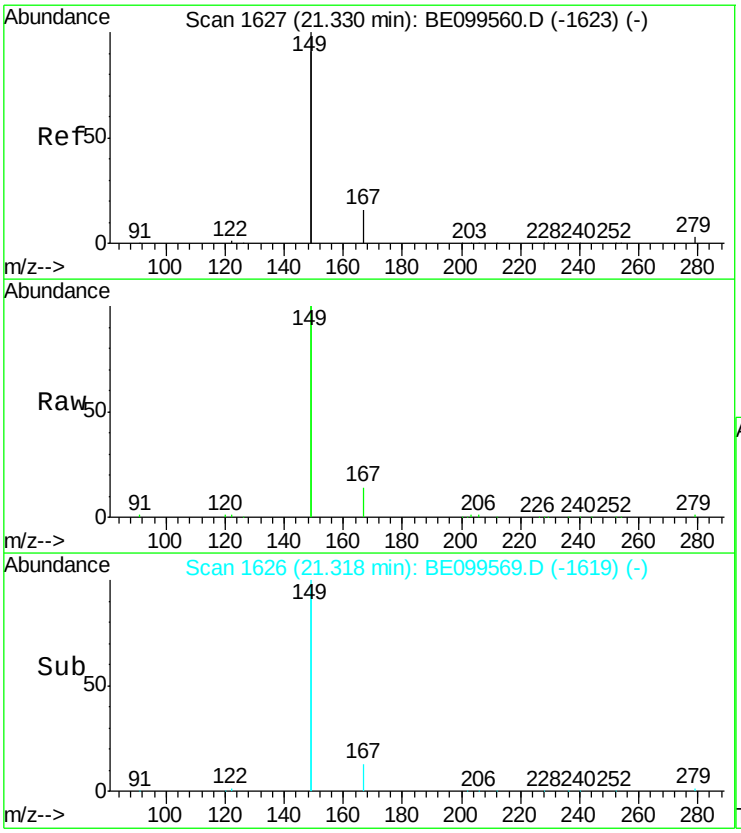
#31
Chrysene
Concen: 0.002 ng
RT: 21.46 min Scan# 1638
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:228 Resp: 94

Ion	Ratio	Lower	Upper
228	100		
226	76.0	24.2	36.4#
229	86.8	15.8	23.6#

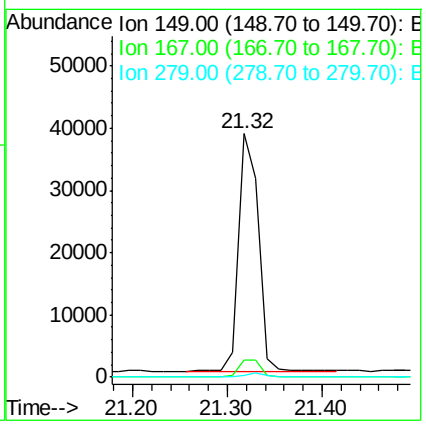


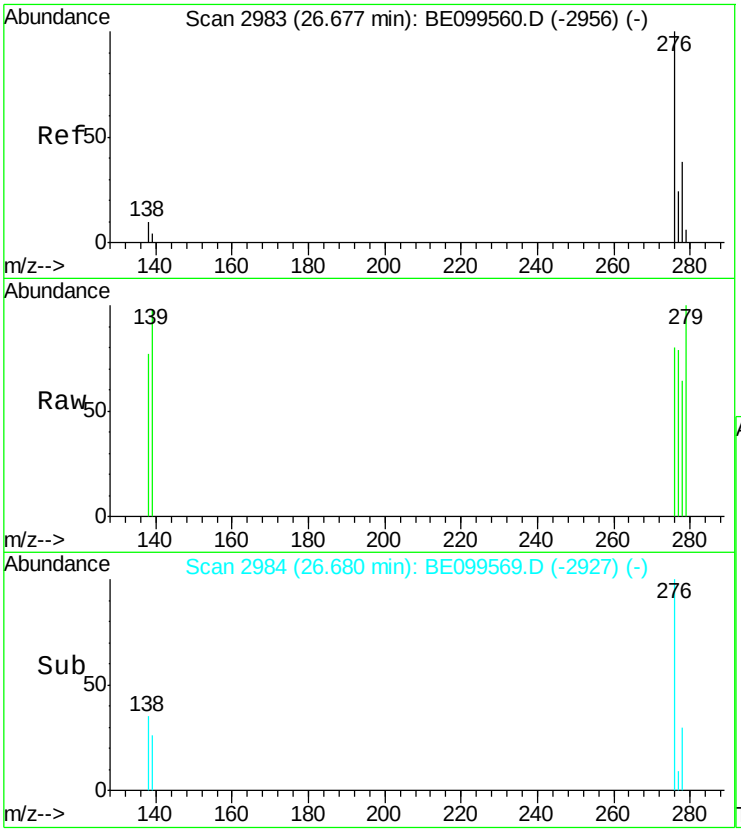


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.557 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:149 Resp: 54841

Ion	Ratio	Lower	Upper
149	100		
167	7.4	6.1	9.1
279	1.3	1.3	1.9



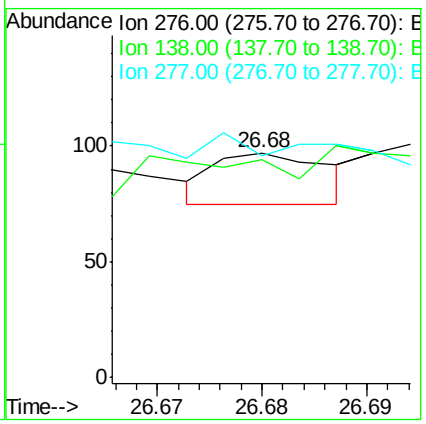


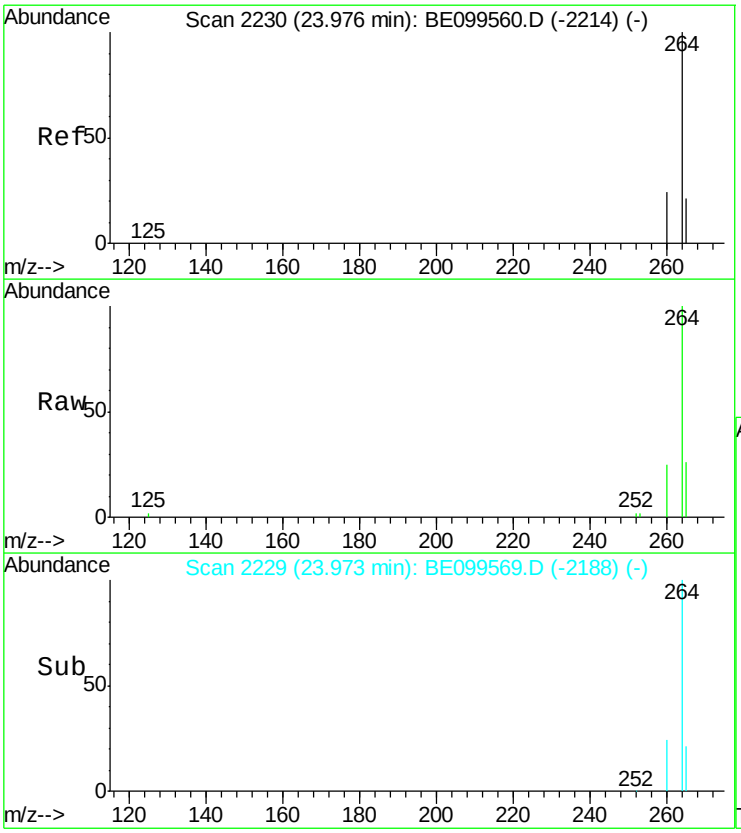
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.000 ng
RT: 26.68 min Scan# 2984
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:276 Resp: 16

Ion	Ratio	Lower	Upper
276	100		
138	93.8	9.5	14.3#
277	50.0	19.7	29.5#

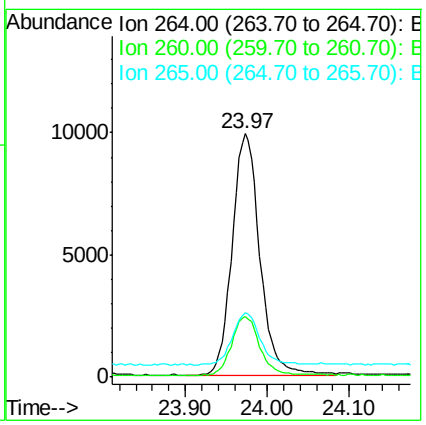


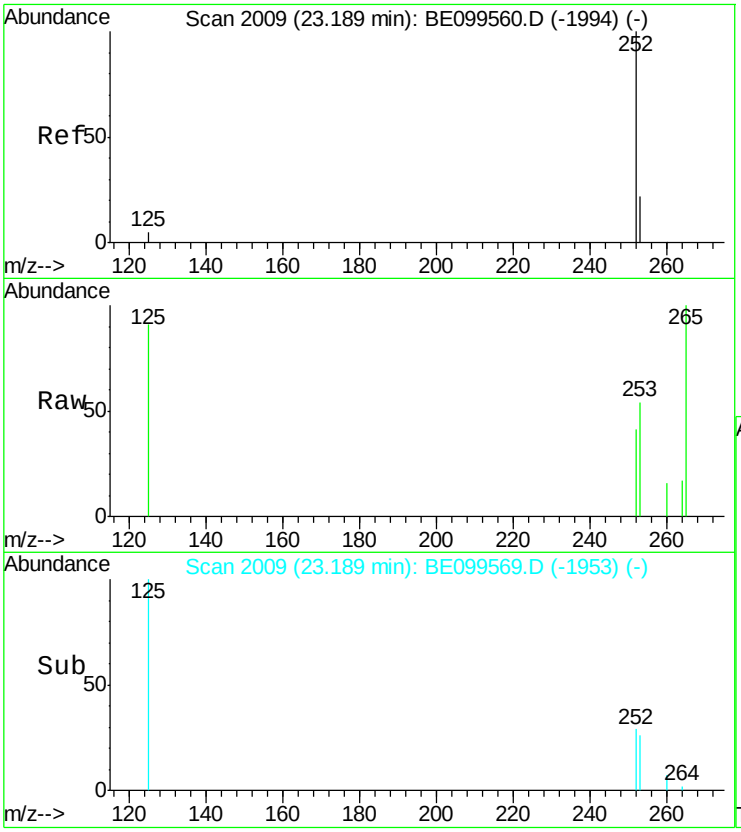


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.97 min Scan# 2229
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:264 Resp: 23137

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.9	29.9
265	26.4	22.2	33.2



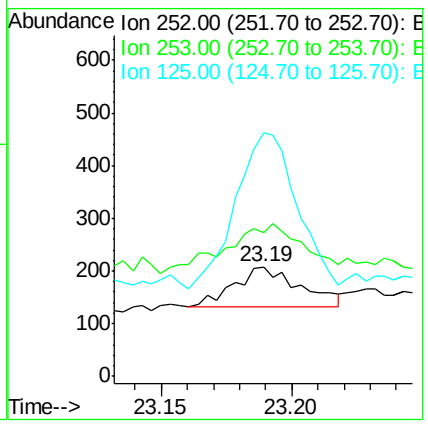


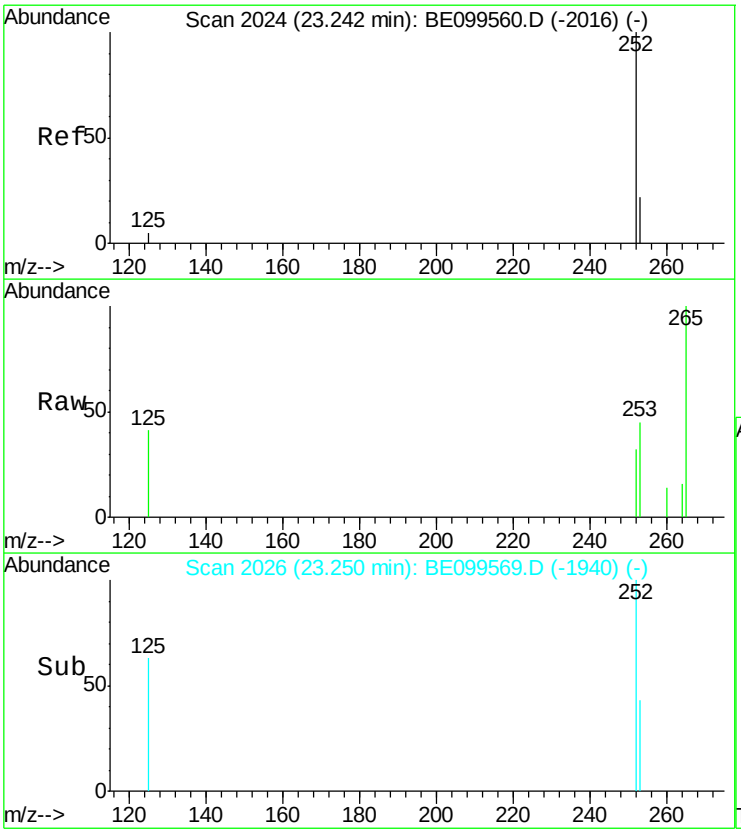
#35
Benzo(b)fluoranthene
Concen: 0.002 ng
RT: 23.19 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:252 Resp: 132

Ion	Ratio	Lower	Upper
252	100		
253	130.8	19.0	28.4#
125	222.1	5.8	8.6#

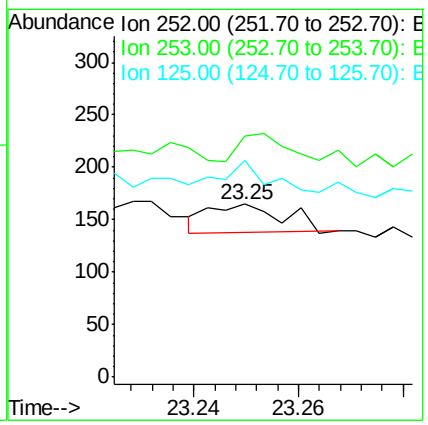


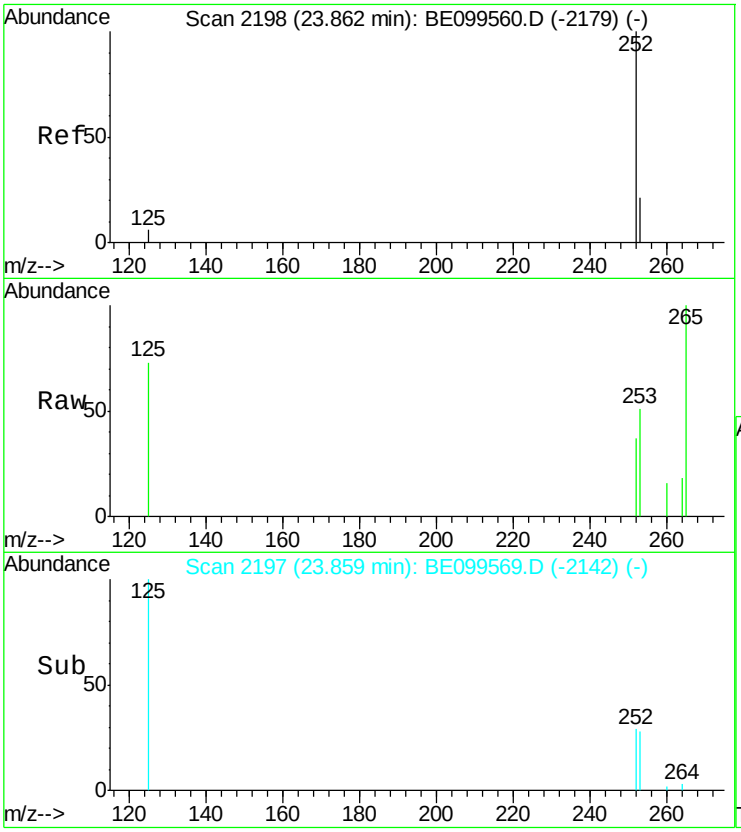


#36
Benzo(k)fluoranthene
Concen: 0.000 ng
RT: 23.25 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:252 Resp: 27

Ion	Ratio	Lower	Upper
252	100		
253	139.4	19.1	28.7#
125	125.5	5.8	8.6#



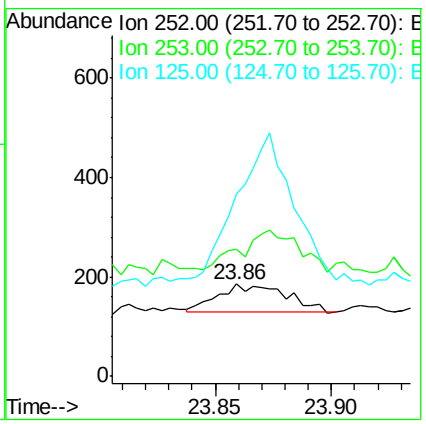


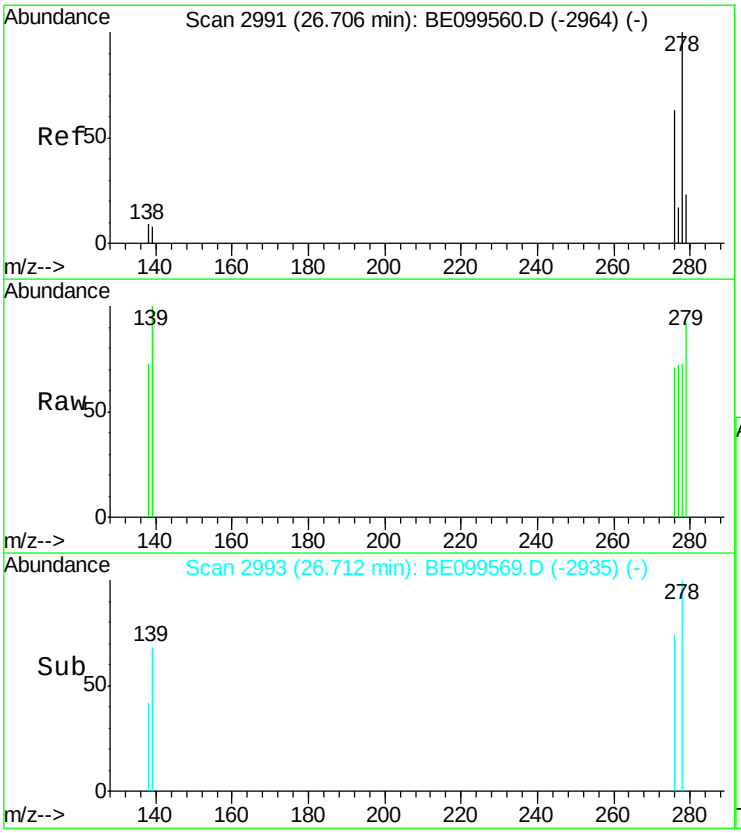
#37
Benzo(a)pyrene
Concen: 0.002 ng
RT: 23.86 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:252 Resp: 110

Ion	Ratio	Lower	Upper
252	100		
253	137.8	18.9	28.3#
125	198.4	6.6	9.8#

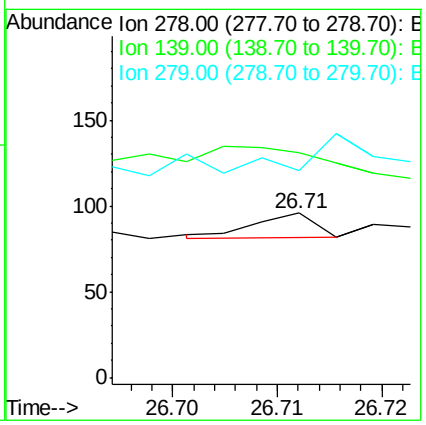


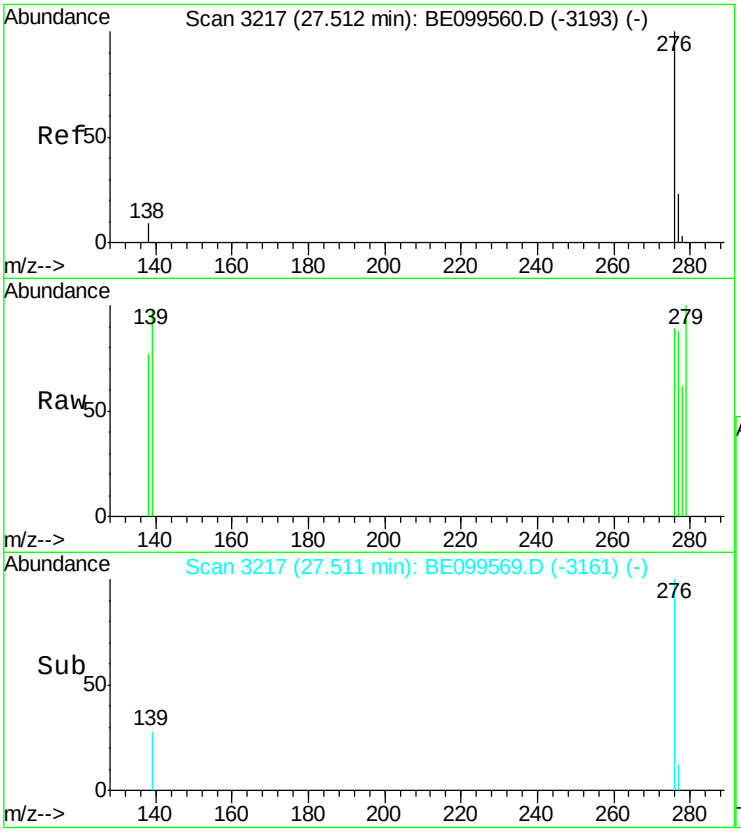


#38
Dibenzo(a,h)anthracene
Concen: 0.000 ng
RT: 26.71 min Scan# 2993
Delta R.T. 0.01 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Tgt Ion:278 Resp: 6

Ion	Ratio	Lower	Upper
278	100		
139	136.5	7.7	11.5#
279	126.0	21.0	31.4#





#39
Benzo(g,h,i)perylene
Concen: 0.000 ng
RT: 27.51 min Scan# 3217
Delta R.T. -0.00 min
Lab File: BE099569.D
Acq: 7 May 2019 17:24

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-WK-1

Tgt Ion:276 Resp: 19

Ion	Ratio	Lower	Upper
276	100		
277	99.0	19.7	29.5#
138	86.5	8.6	12.8#