Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050619\
Data File : BE099553.D
Acq On : 6 May 2019 15:27
Operator : JU/SJ
Sample : K2587-20DL 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : EXT-004-SW068-042319DL

Quant Time: May 07 08:11:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 08:07:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1566	0.40	ng		0.00
7) Naphthalene-d8	10.63	136	5661	0.40	ng		0.00
13) Acenaphthene-d10	14.50	164	4068	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	12201	0.40	ng		0.00
27) Chrysene-d12	21.43	240	16948	0.40	ng		-0.01
34) Perylene-d12	23.99	264	19719	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	111	0.03	ng		0.00
5) Phenol-d6	6.99	99	183	0.03	ng		0.00
8) Nitrobenzene-d5	8.99	82	129	0.02	ng		0.01
11) 2-Methylnaphthalene-d10	12.24	152	227	0.02	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	62	0.02	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	347	0.02	ng		0.00
25) Fluoranthene-d10	19.28	212	3215	0.02	ng		0.00
29) Terphenyl-d14	19.87	244	1106	0.04	ng		0.00
Target Compounds							Qvalue
3) n-Nitrosodimethylamine	3.60	42	44	0.034	ng	#	1
9) Naphthalene	10.68	128	3200	0.052	ng	#	93
12) 2-Methylnaphthalene	12.31	142	467	0.044	ng	#	85
16) Acenaphthylene	14.21	152	10758	0.540	ng		99
17) Acenaphthene	14.56	154	4987	0.439	ng		99
18) Fluorene	15.54	166	11381	0.679	ng		97
22) Pentachlorophenol	16.88	266	18	0.220	ng	#	65
23) Phenanthrene	17.28	178	262065	8.324	ng		100
24) Anthracene	17.38	178	52110	1.737	ng		98
26) Fluoranthene	19.31	202	786404	16.676	ng		99
28) Pyrene	19.67	202	664896	15.050	ng	#	95
30) Benzo(a)anthracene	21.41	228	393603	7.289	ng		98
31) Chrysene	21.46	228	328746	6.221	ng		97
32) Bis(2-ethylhexyl)phthalate	21.33	149	2513	Below Cal		#	97
33) Indeno(1,2,3-cd)pyrene	26.69	276	208218	3.334	ng	#	97
35) Benzo(b)fluoranthene	23.20	252	423398	7.446	ng	#	98
36) Benzo(k)fluoranthene	23.20	252	423398	7.722	ng		99
37) Benzo(a)pyrene	23.75	252	182461	3.394	ng		99
38) Dibenzo(a,h)anthracene	26.70	278	47425	0.862	ng		97
39) Benzo(g,h,i)perylene	27.53	276	189302	3.436	ng		99

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

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Misc :
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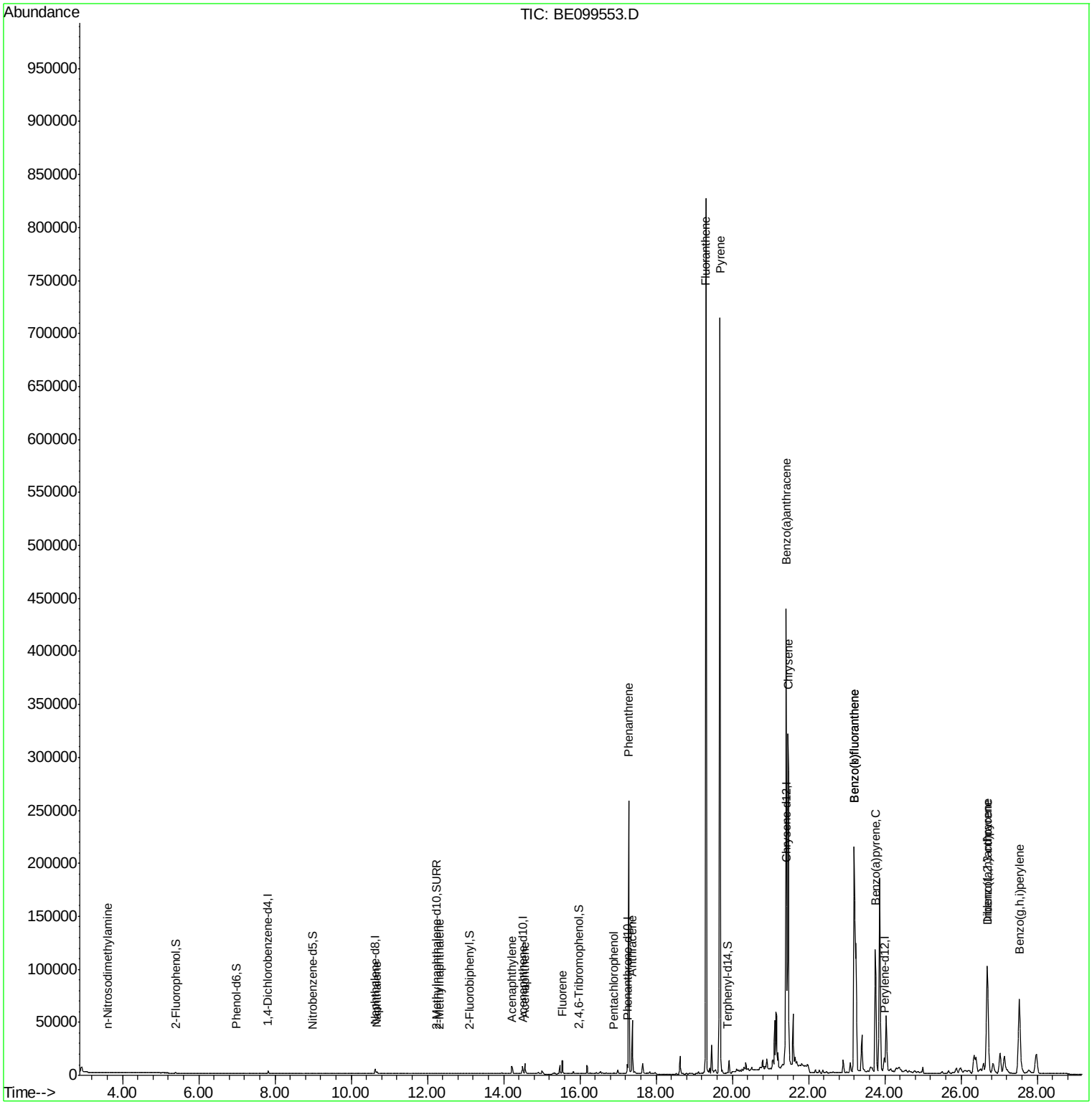
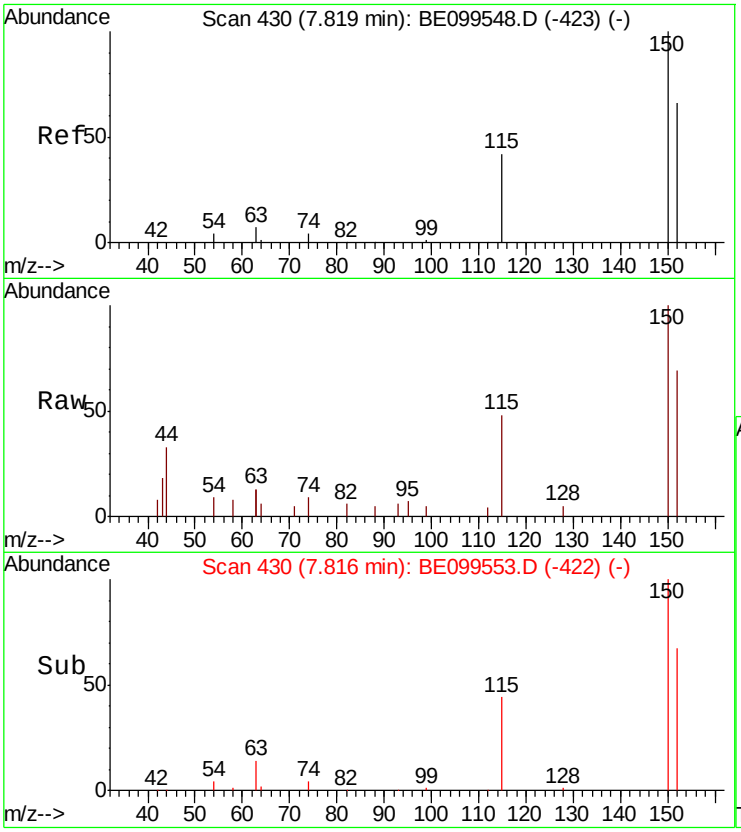
EXT-004-SW068-042319DL

Quant Time: May 07 08:11:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 08:07:29 2019
Response via : Initial Calibration



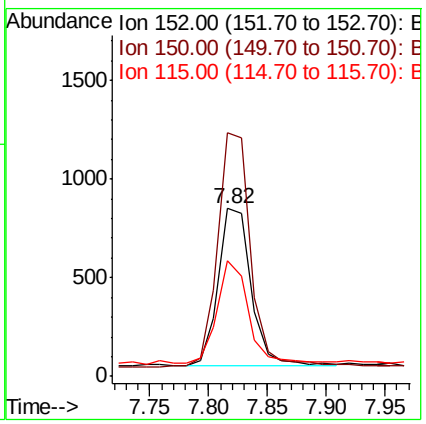


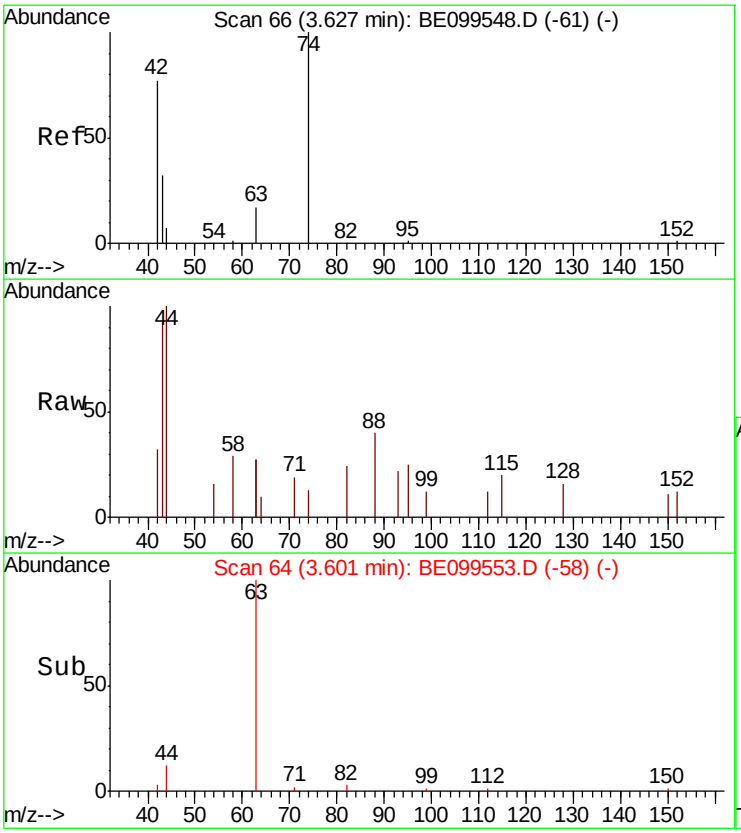
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:152 Resp: 1566

Ion	Ratio	Lower	Upper
152	100		
150	145.2	104.8	157.2
115	69.2	46.6	69.8

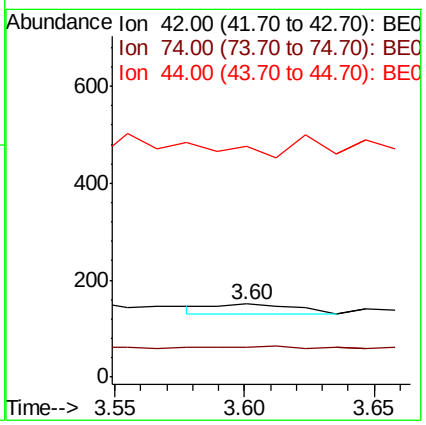


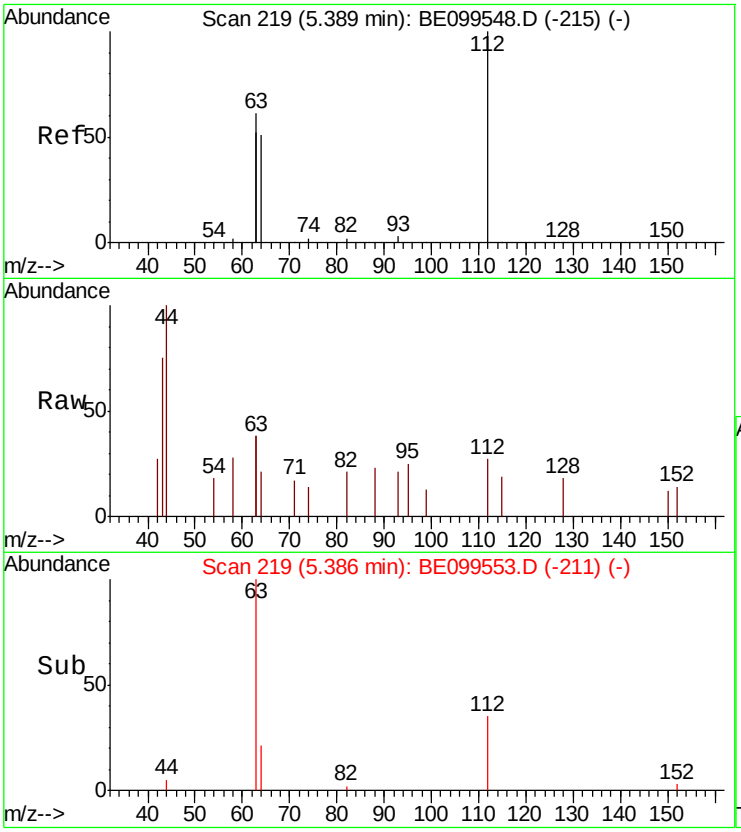


#3
n-Nitrosodimethylamine
Concen: 0.034 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.03 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion: 42 Resp: 44

Ion	Ratio	Lower	Upper
42	100		
74	22.7	141.6	212.4#
44	0.0	0.0	0.0



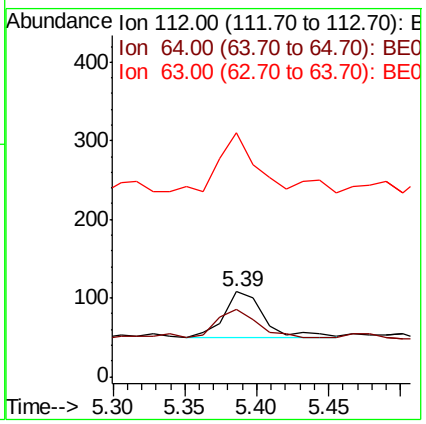


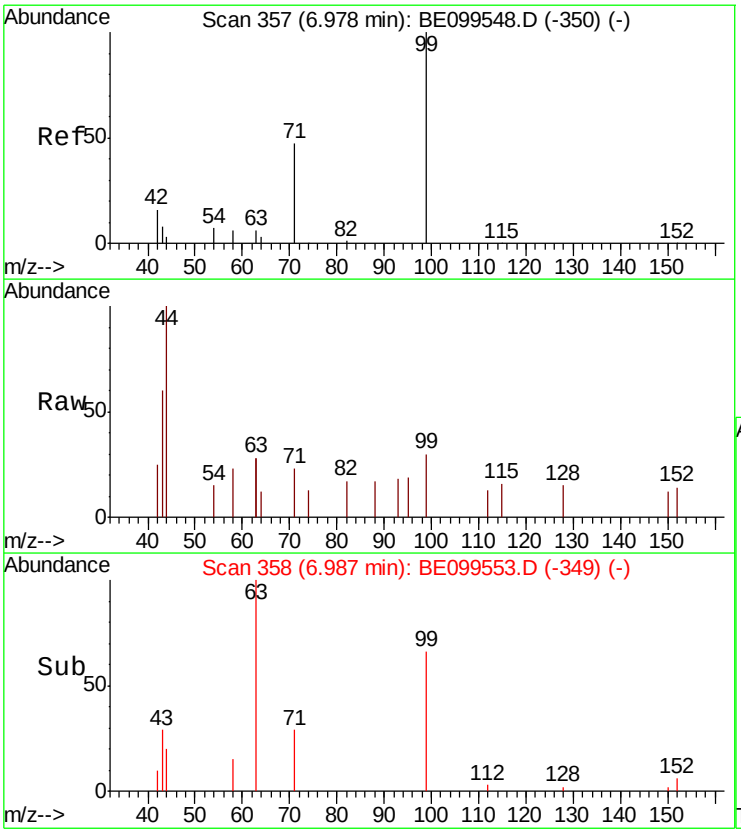
#4
2-Fluorophenol
Concen: 0.026 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:112 Resp: 111

Ion	Ratio	Lower	Upper
112	100		
64	69.4	47.4	71.0
63	113.5	104.3	156.5

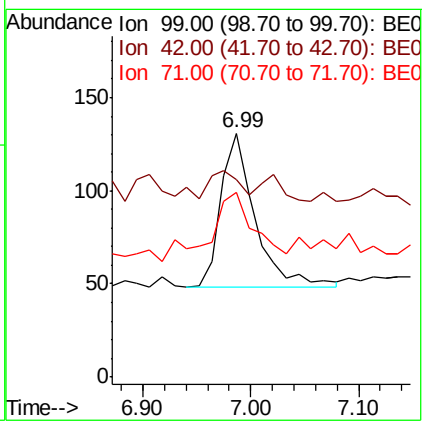


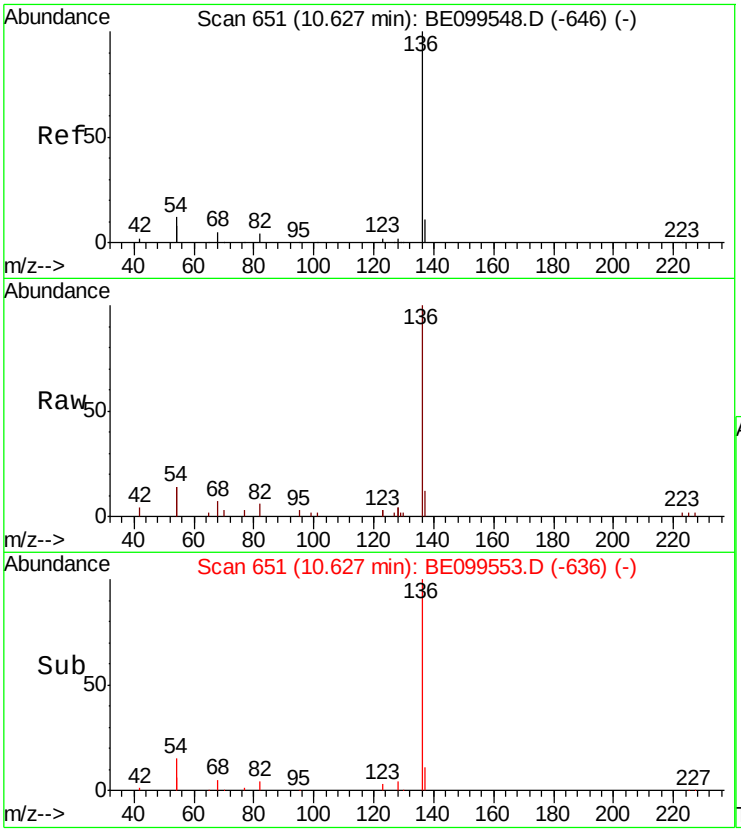


#5
Phenol-d6
Concen: 0.032 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.01 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion: 99 Resp: 183

Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.9	22.3
71	41.5	33.0	49.6



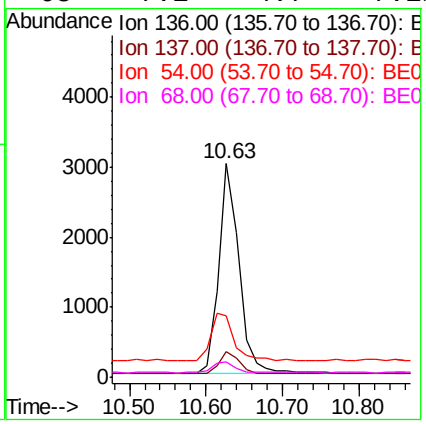


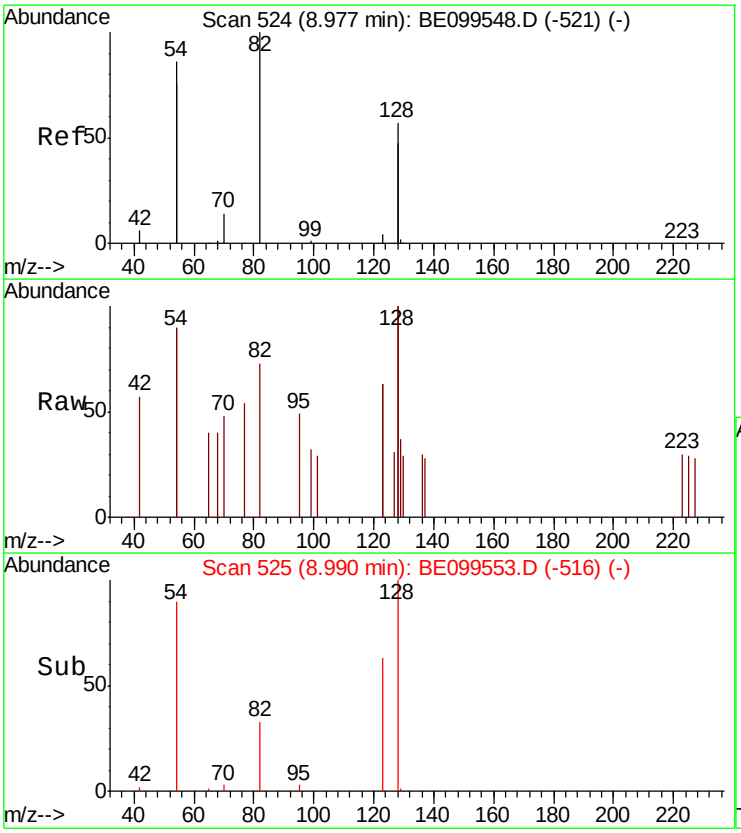
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:136 Resp: 5661

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	28.6	18.5	27.7#
68	7.1	4.7	7.1#

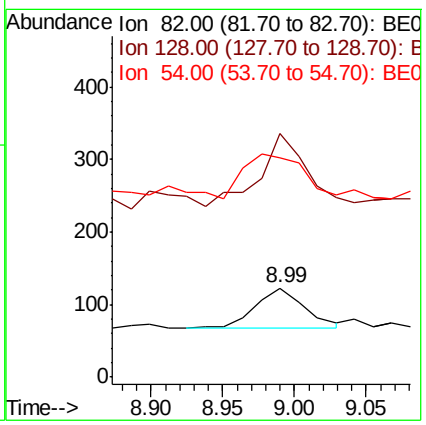


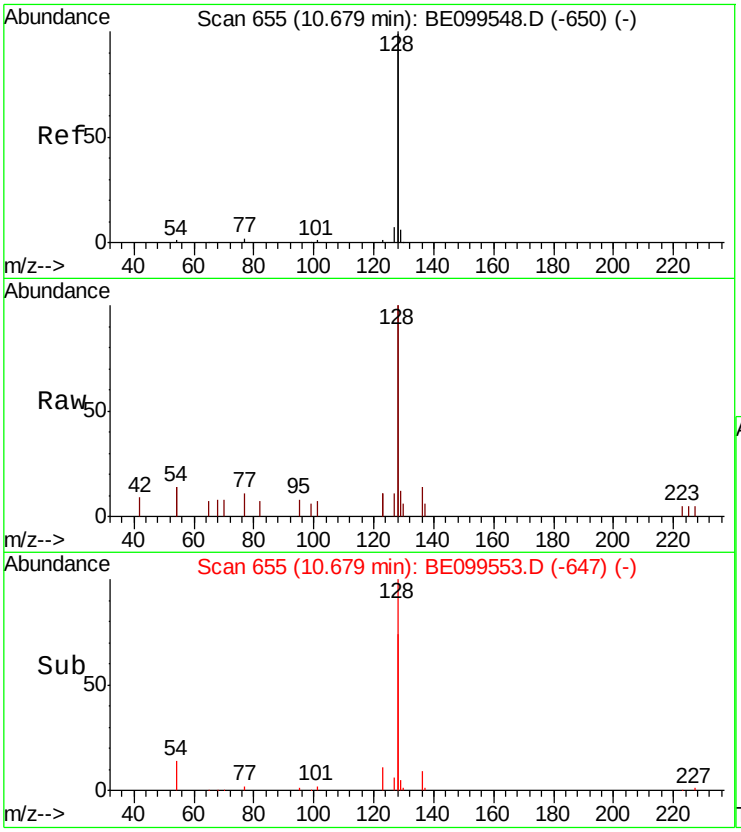


#8
Nitrobenzene-d5
Concen: 0.024 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.01 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion: 82 Resp: 129

Ion	Ratio	Lower	Upper
82	100		
128	273.2	107.0	160.4#
54	245.5	113.1	169.7#



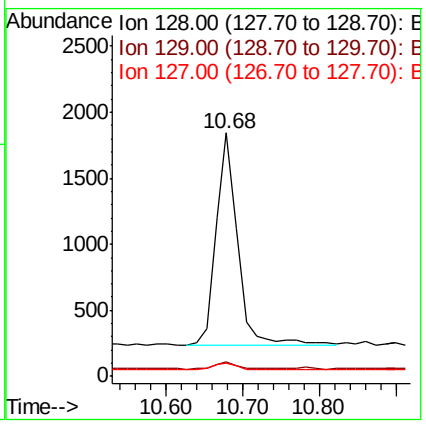


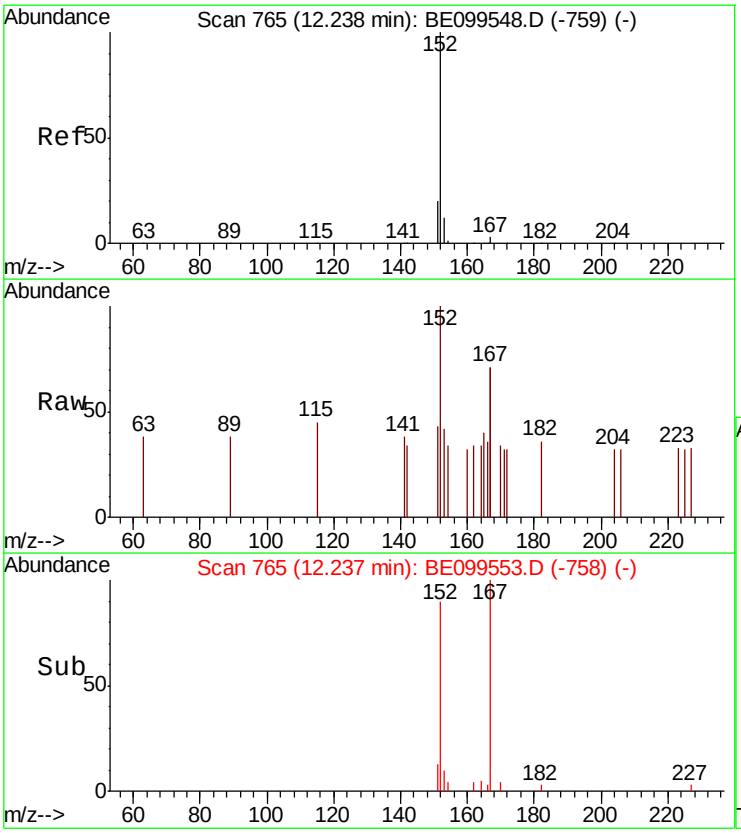
#9
Naphthalene
Concen: 0.052 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:128 Resp: 3200

Ion	Ratio	Lower	Upper
128	100		
129	5.8	2.4	3.6#
127	5.6	2.8	4.2#

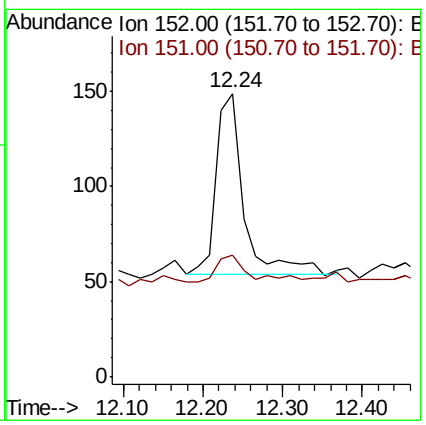


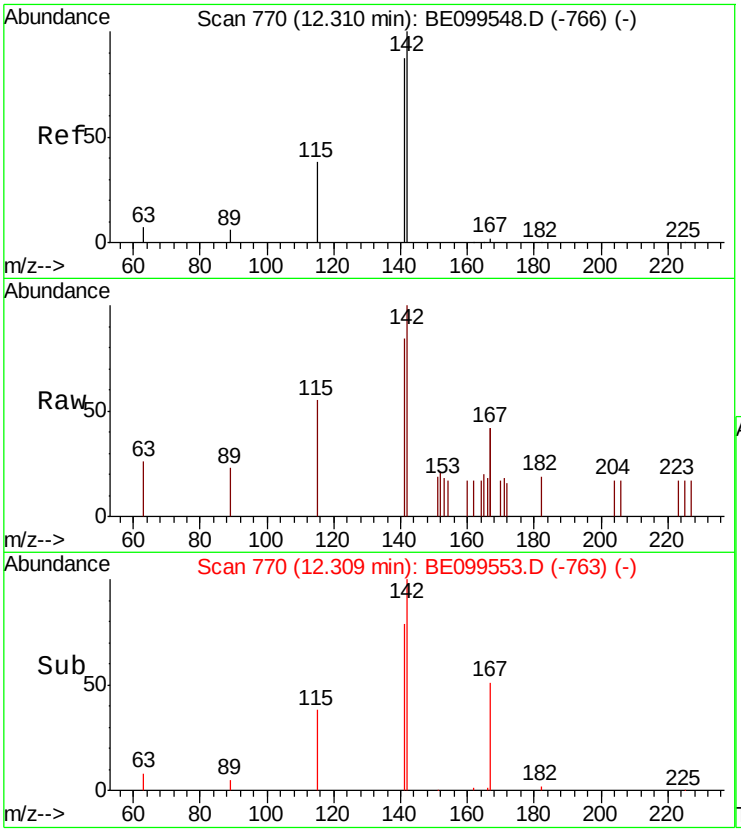


#11
2-Methylnaphthalene-d10
Concen: 0.022 ng
RT: 12.24 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:152 Resp: 227

Ion	Ratio	Lower	Upper
152	100		
151	15.4	15.5	23.3#



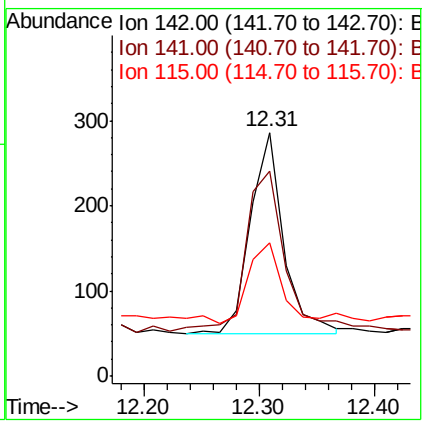


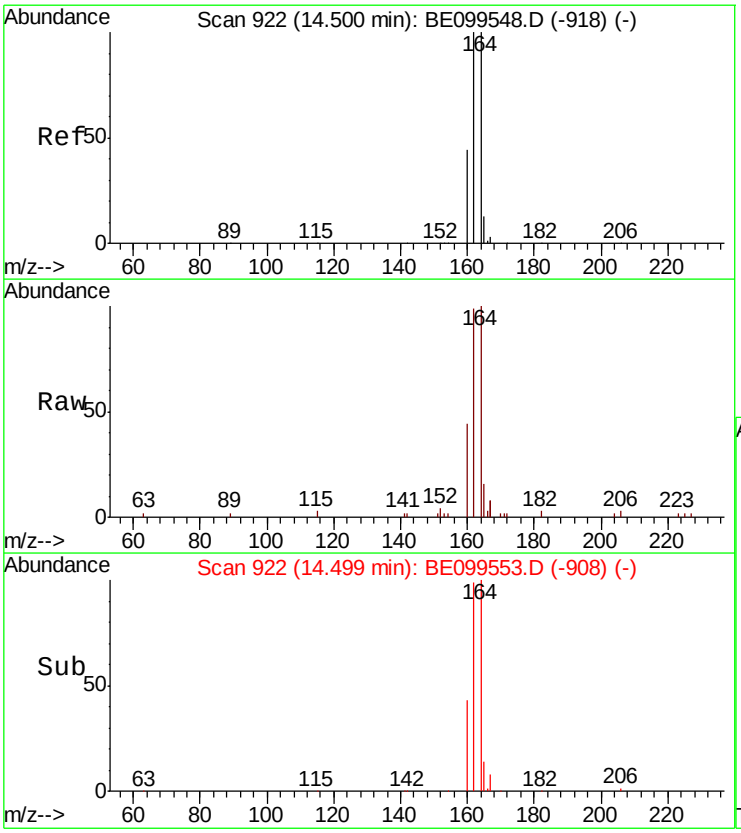
#12
2-Methylnaphthalene
Concen: 0.044 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:142 Resp: 467

Ion	Ratio	Lower	Upper
142	100		
141	84.3	77.0	115.4
115	54.5	33.4	50.0#

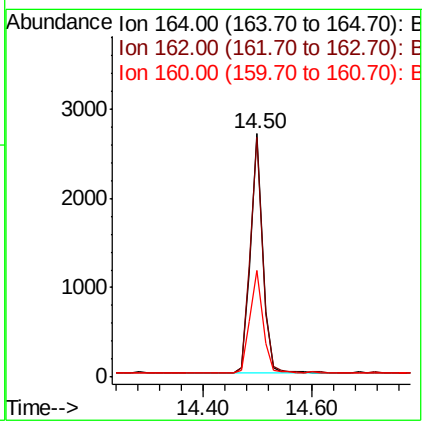


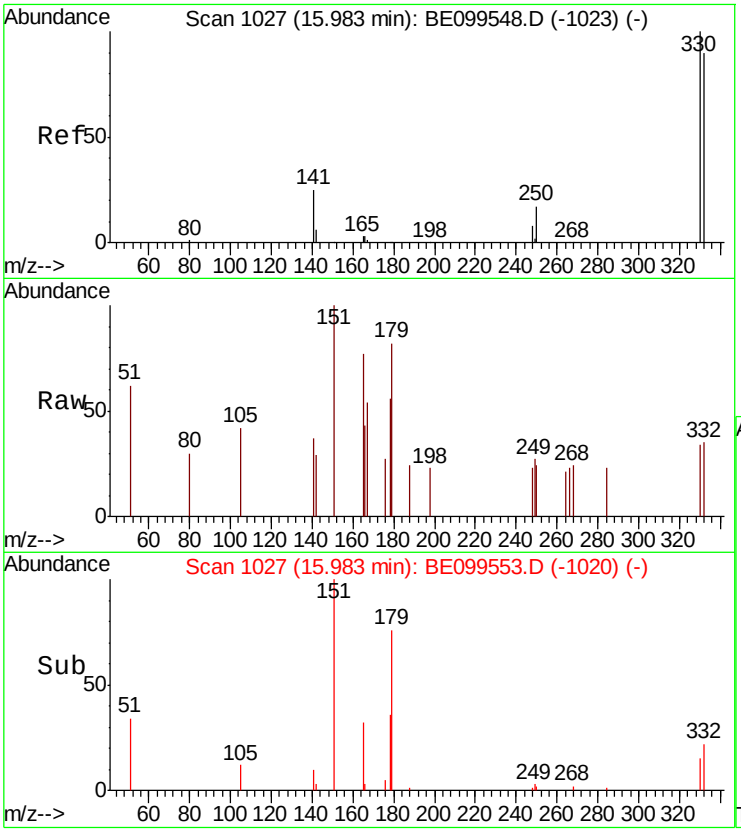


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:164 Resp: 4068

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.4
160	44.0	37.0	55.4



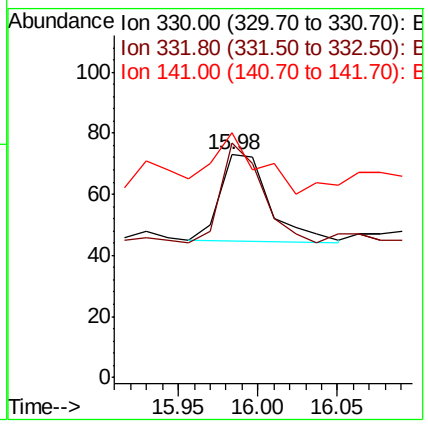


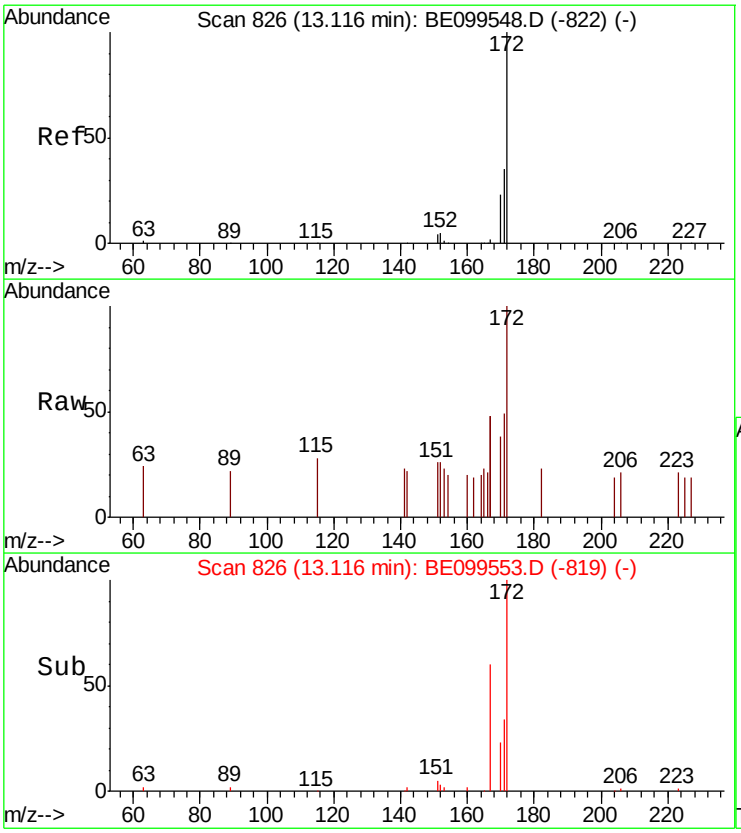
#14
2,4,6-Tribromophenol
Concen: 0.024 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:330 Resp: 62

Ion	Ratio	Lower	Upper
330	100		
332	95.2	71.5	107.3
141	95.2	24.0	36.0#

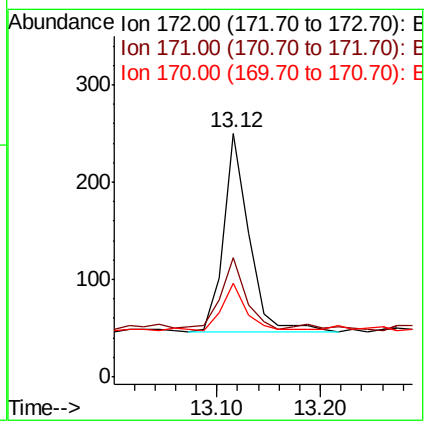


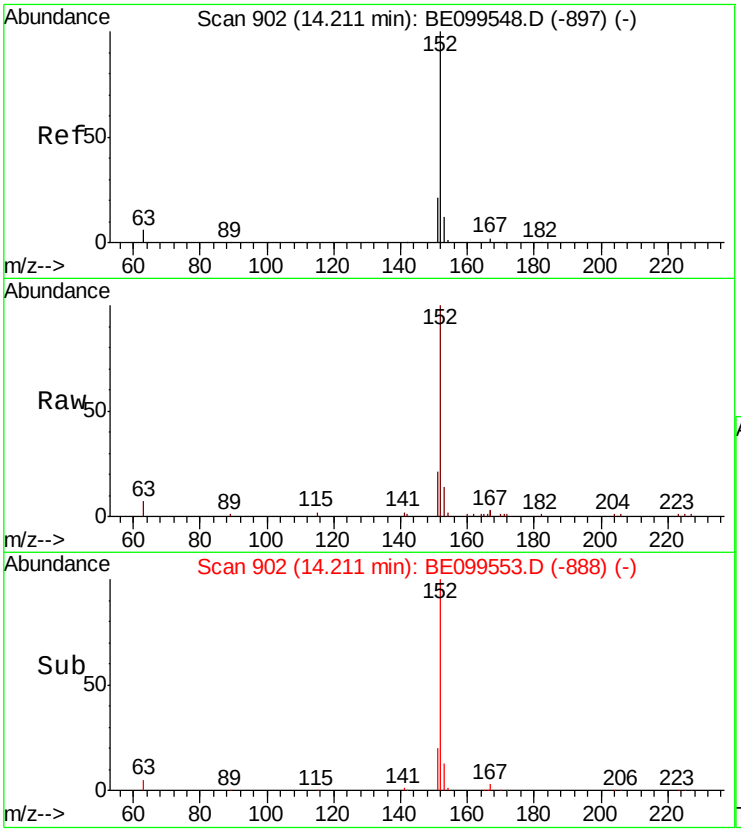


#15
2-Fluorobiphenyl
Concen: 0.022 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:172 Resp: 347

Ion	Ratio	Lower	Upper
172	100		
171	48.8	26.6	39.8#
170	38.4	17.0	25.6#



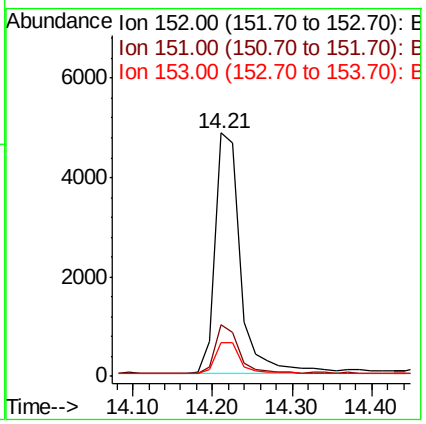


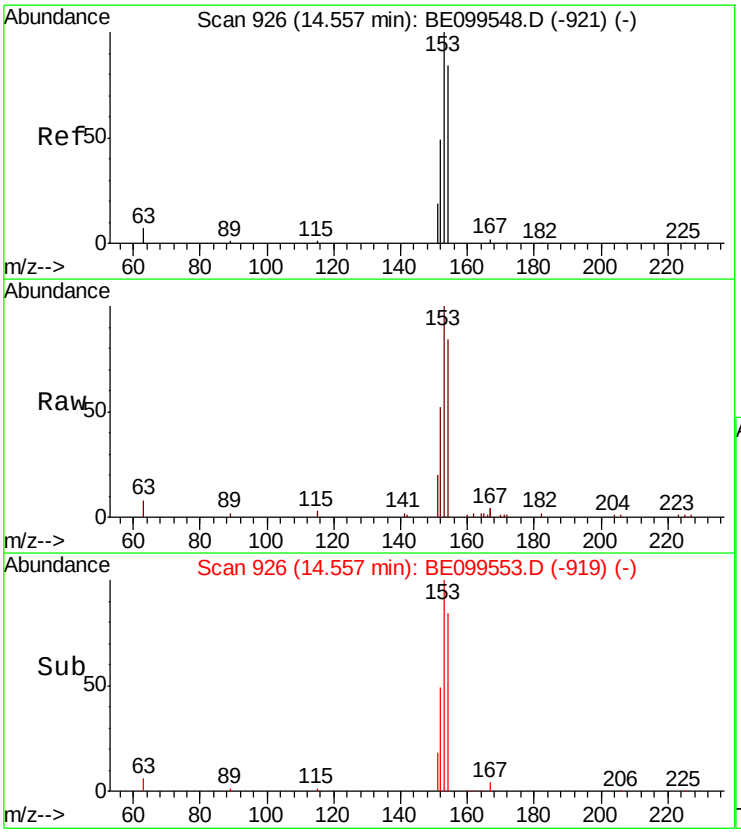
#16
Acenaphthylene
Concen: 0.540 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:152 Resp: 10758

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.4	9.8	14.6

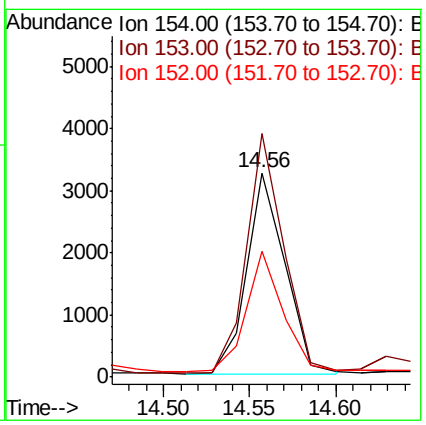


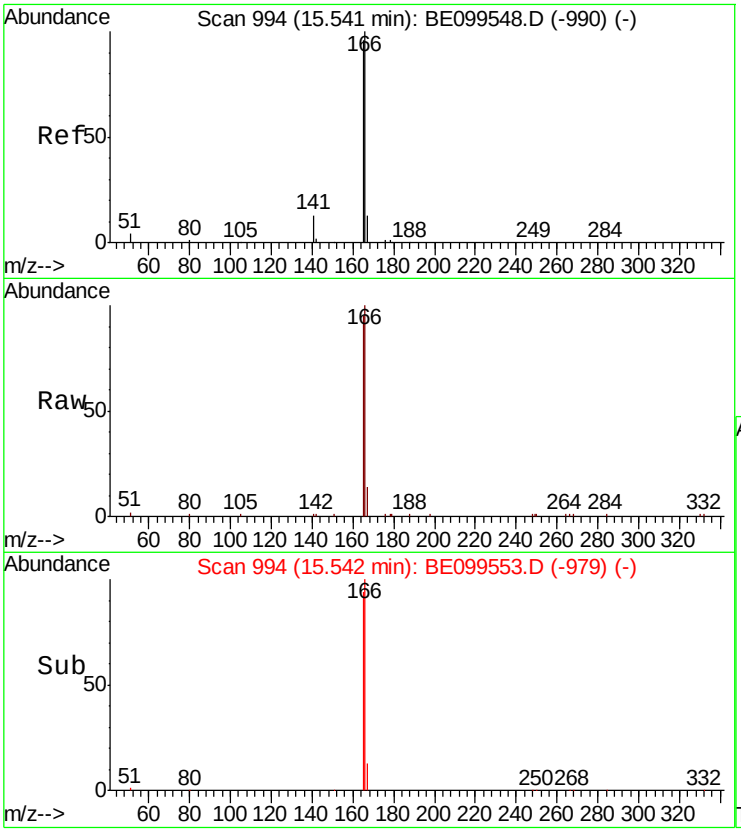


#17
Acenaphthene
Concen: 0.439 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:154 Resp: 4987

Ion	Ratio	Lower	Upper
154	100		
153	117.1	92.6	138.8
152	57.0	45.8	68.8



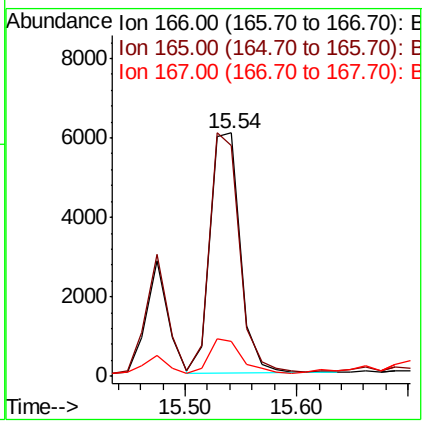


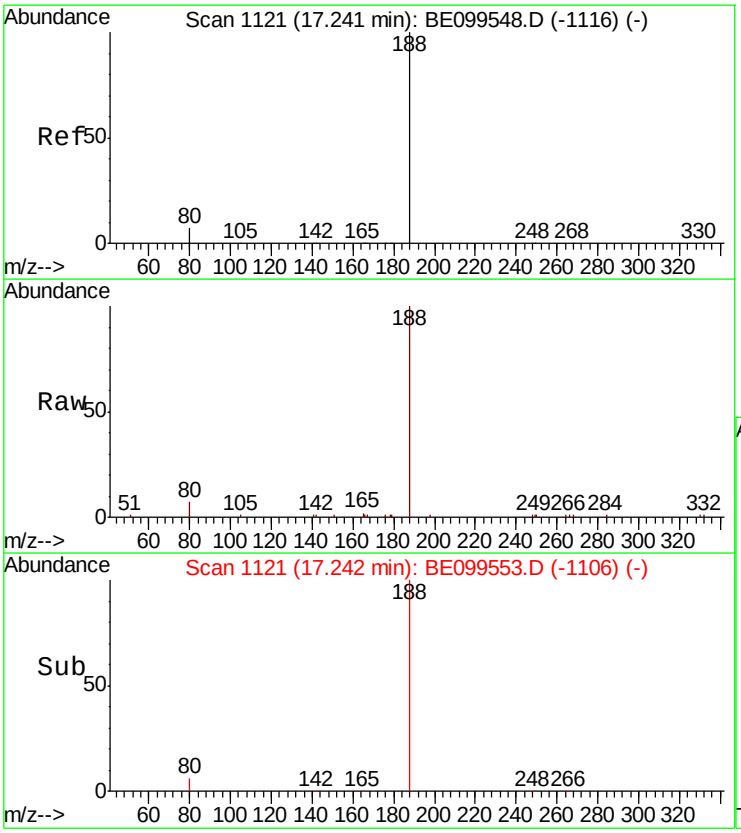
#18
Fluorene
Concen: 0.679 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:166 Resp: 11381

Ion	Ratio	Lower	Upper
166	100		
165	97.9	80.3	120.5
167	15.1	10.7	16.1

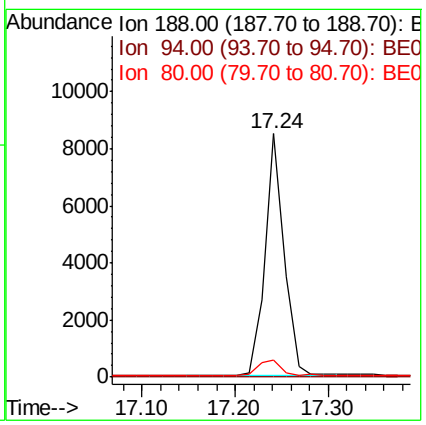


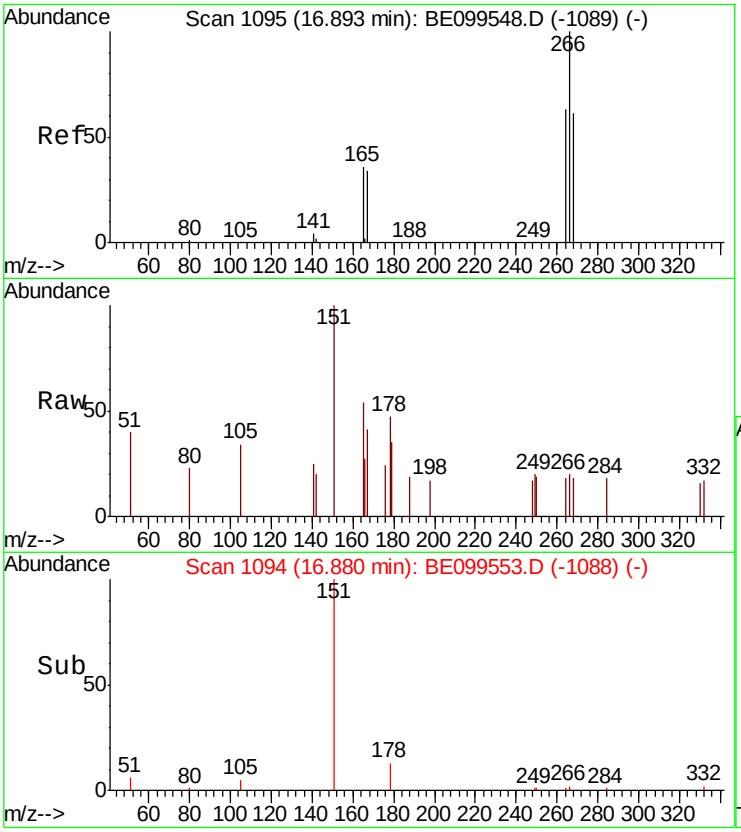


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:188 Resp: 12201

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	6.7	10.1



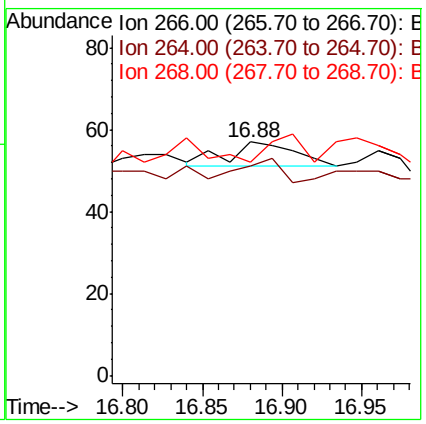


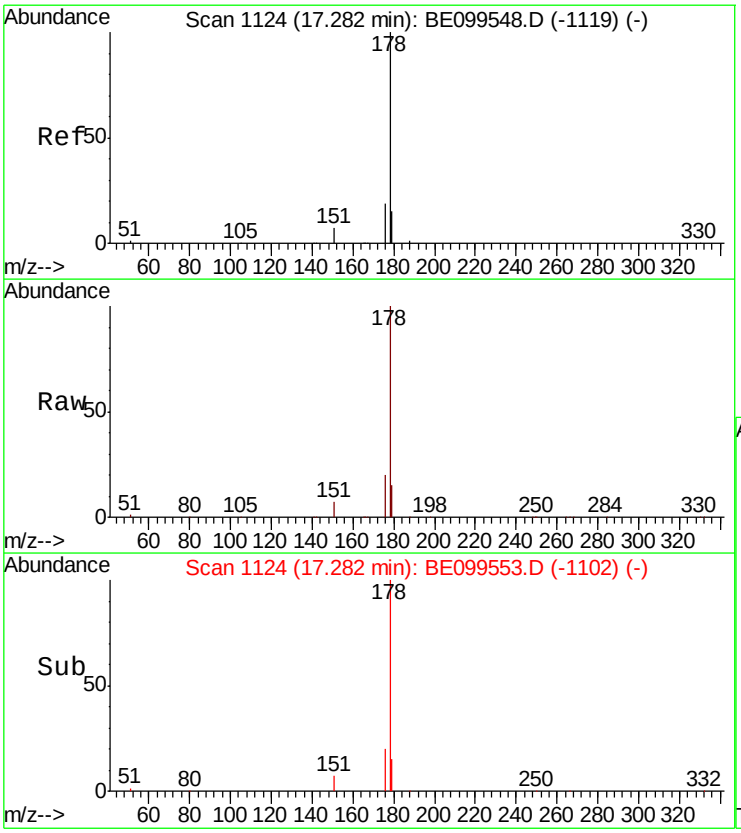
#22
Pentachlorophenol
Concen: 0.220 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:266 Resp: 18

Ion	Ratio	Lower	Upper
266	100		
264	89.5	50.8	76.2#
268	91.2	50.5	75.7#

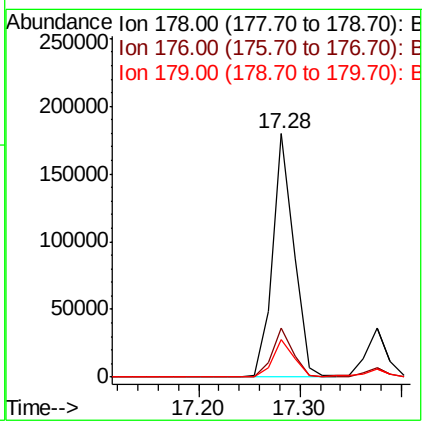


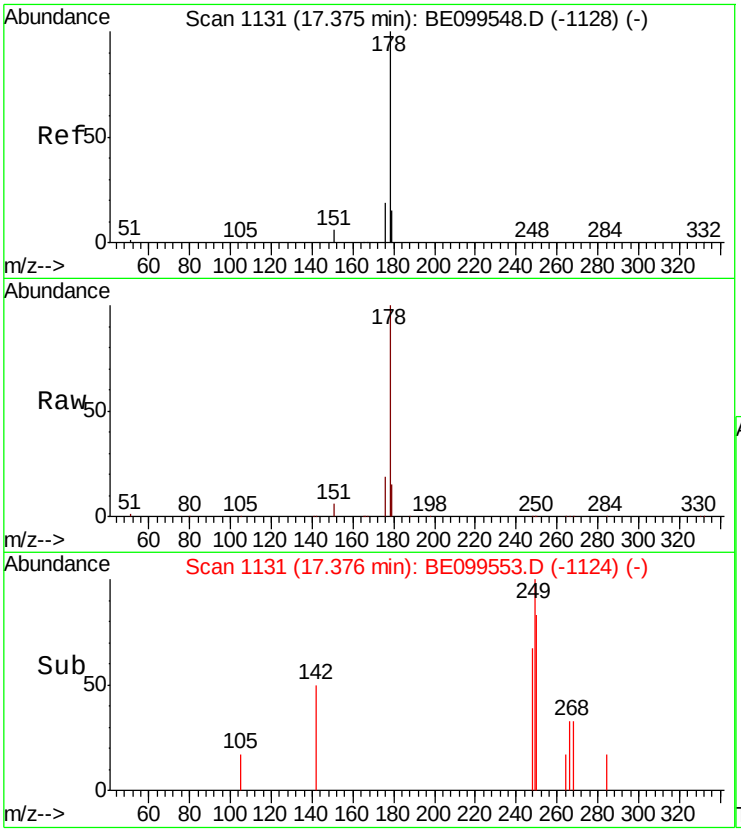


#23
Phenanthrene
Concen: 8.324 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:178 Resp: 262065

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.4	12.0	18.0



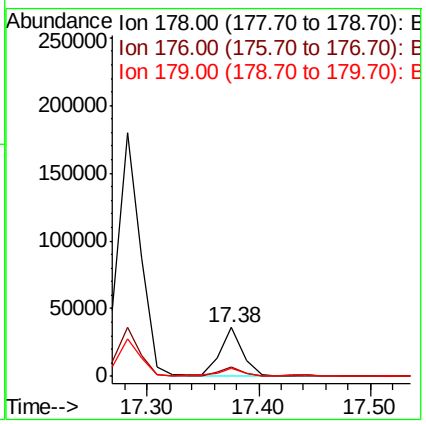


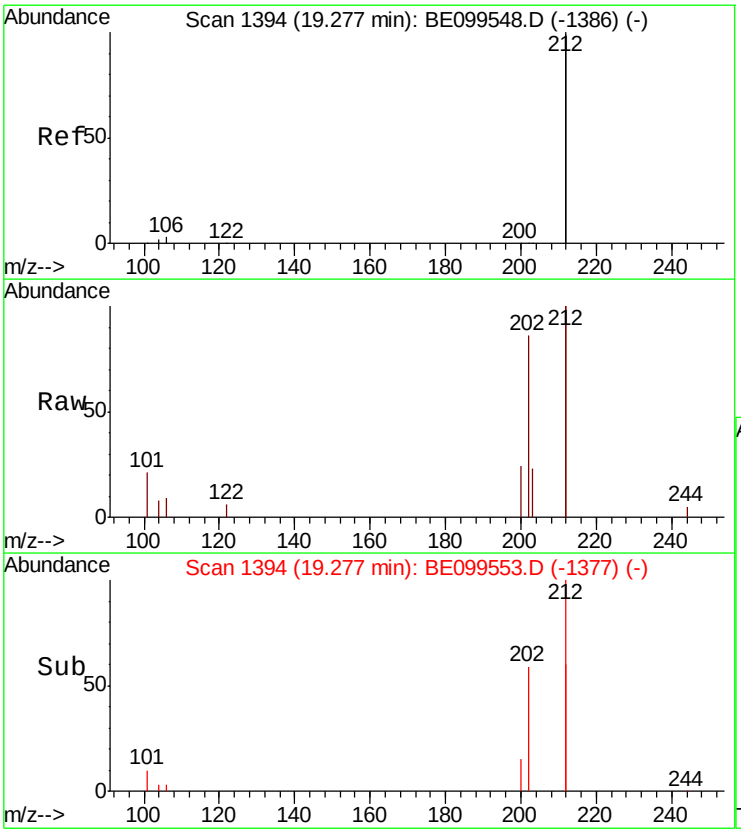
#24
Anthracene
Concen: 1.737 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:178 Resp: 52110

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	16.8	11.9	17.9

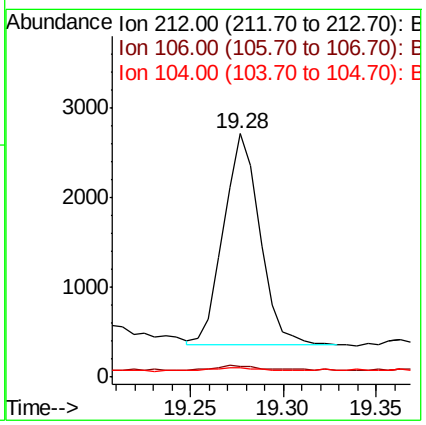


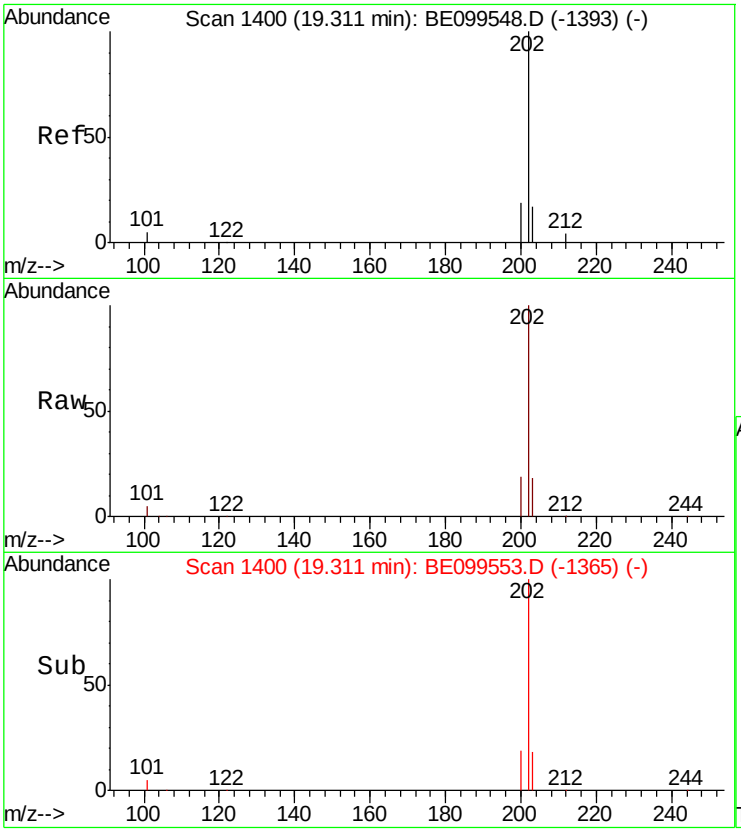


#25
Fluoranthene-d10
Concen: 0.020 ng
RT: 19.28 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:212 Resp: 3215

Ion	Ratio	Lower	Upper
212	100		
106	3.8	1.5	2.3#
104	2.3	0.9	1.3#



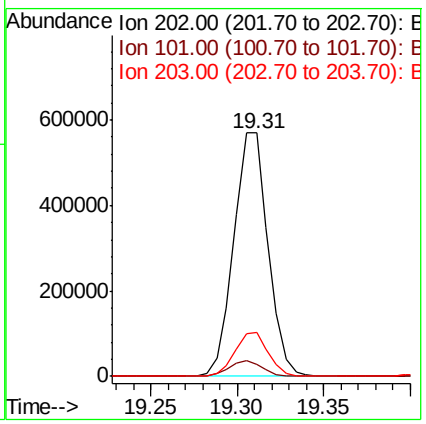


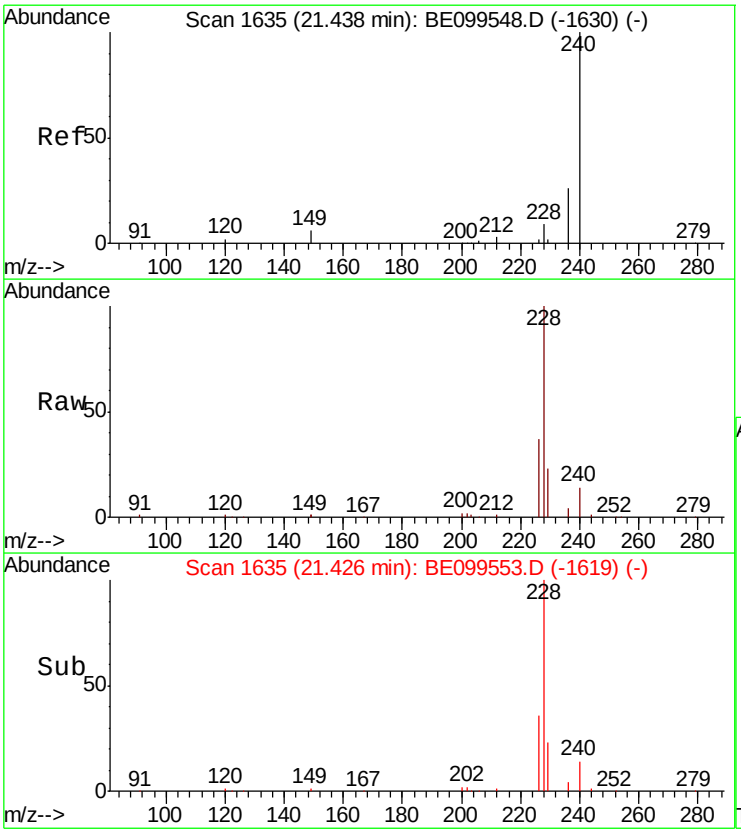
#26
Fluoranthene
Concen: 16.676 ng
RT: 19.31 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:202 Resp: 786404

Ion	Ratio	Lower	Upper
202	100		
101	6.2	5.4	8.0
203	17.6	13.9	20.9

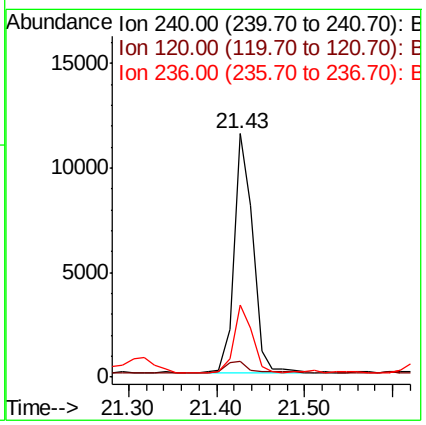


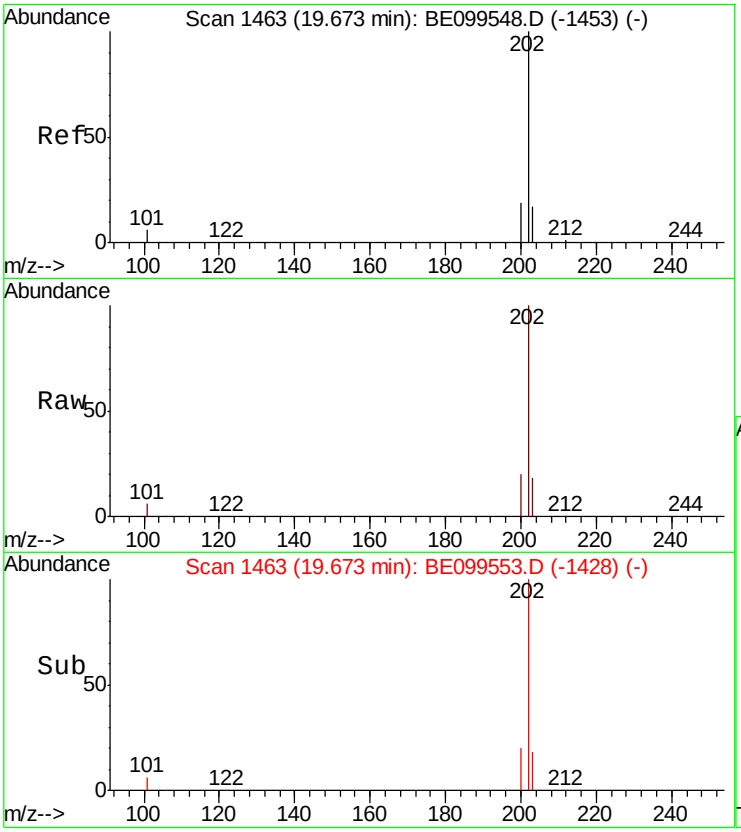


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:240 Resp: 16948

Ion	Ratio	Lower	Upper
240	100		
120	6.6	4.0	6.0#
236	29.4	22.0	33.0



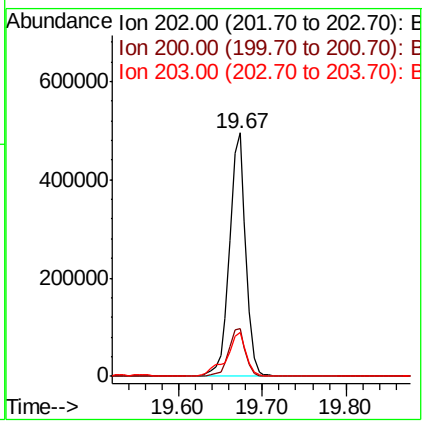


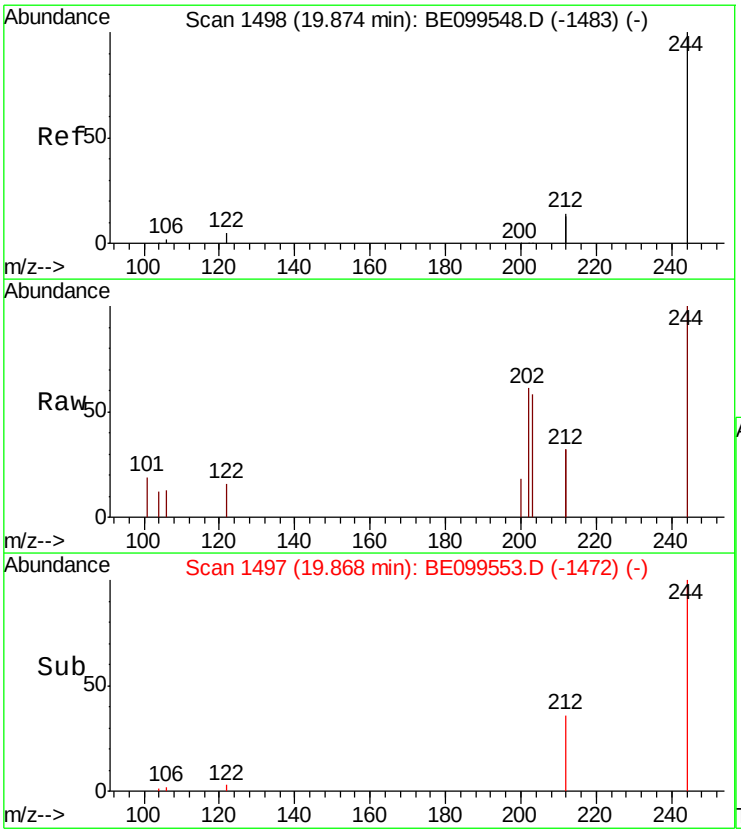
#28
Pyrene
Concen: 15.050 ng
RT: 19.67 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:202 Resp: 664896

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.7	23.5
203	21.7	13.9	20.9#

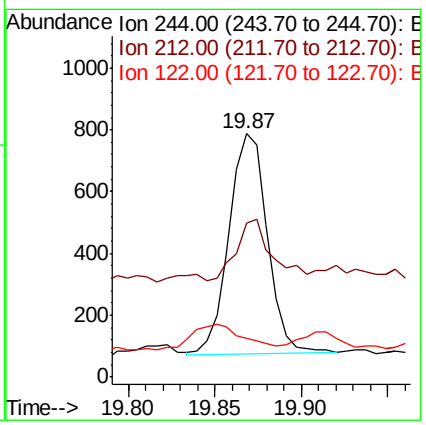


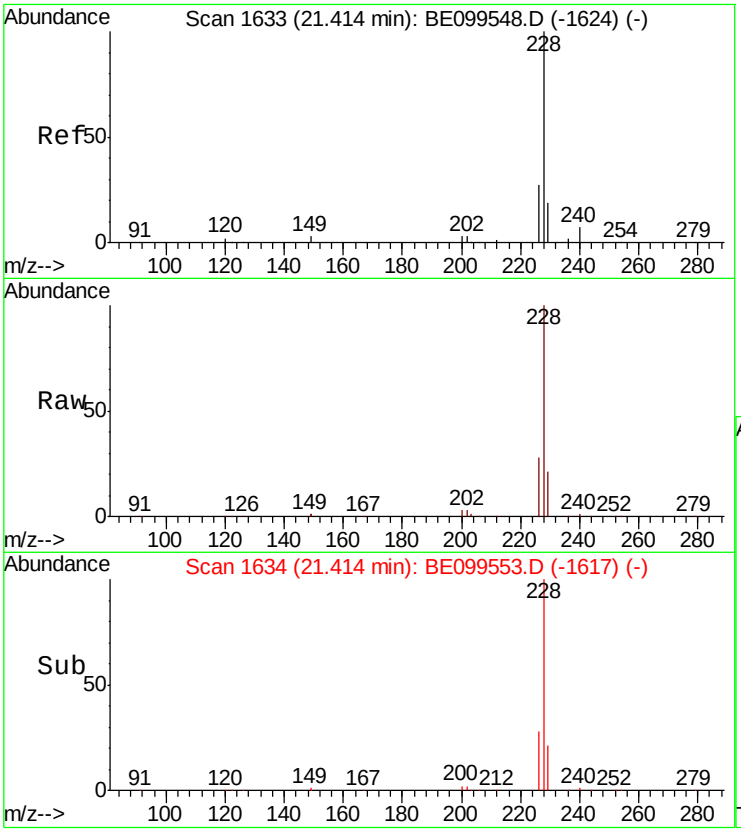


#29
Terphenyl-d14
Concen: 0.036 ng
RT: 19.87 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:244 Resp: 1106

Ion	Ratio	Lower	Upper
244	100		
212	63.5	23.2	34.8#
122	16.1	4.2	6.4#



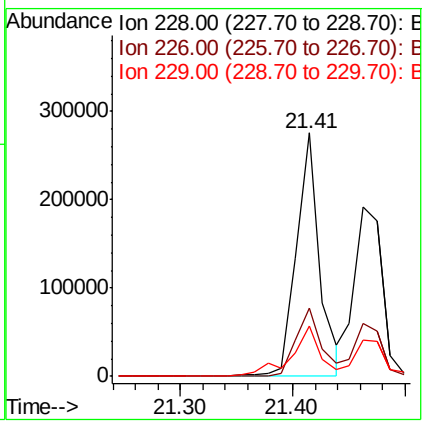


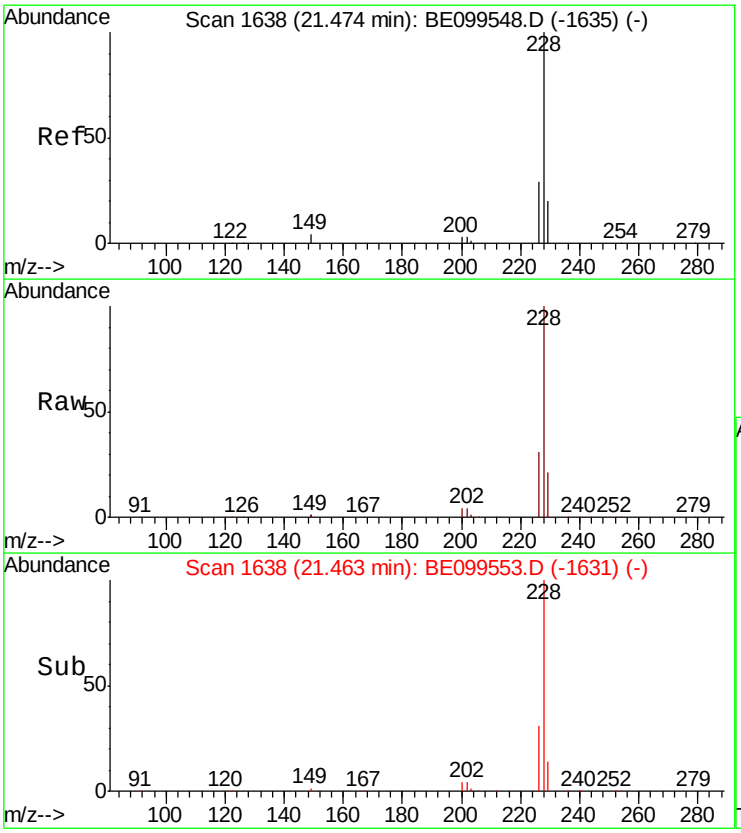
#30
Benzo(a)anthracene
Concen: 7.289 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:228 Resp: 393603

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.0	31.6
229	20.8	16.6	25.0

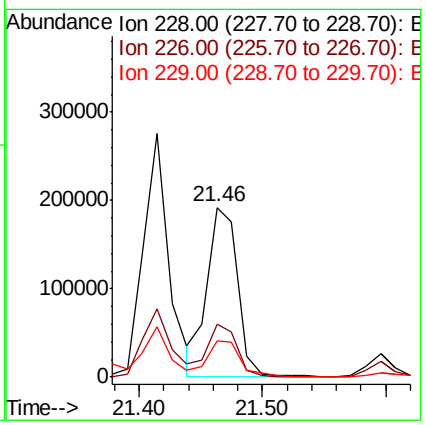


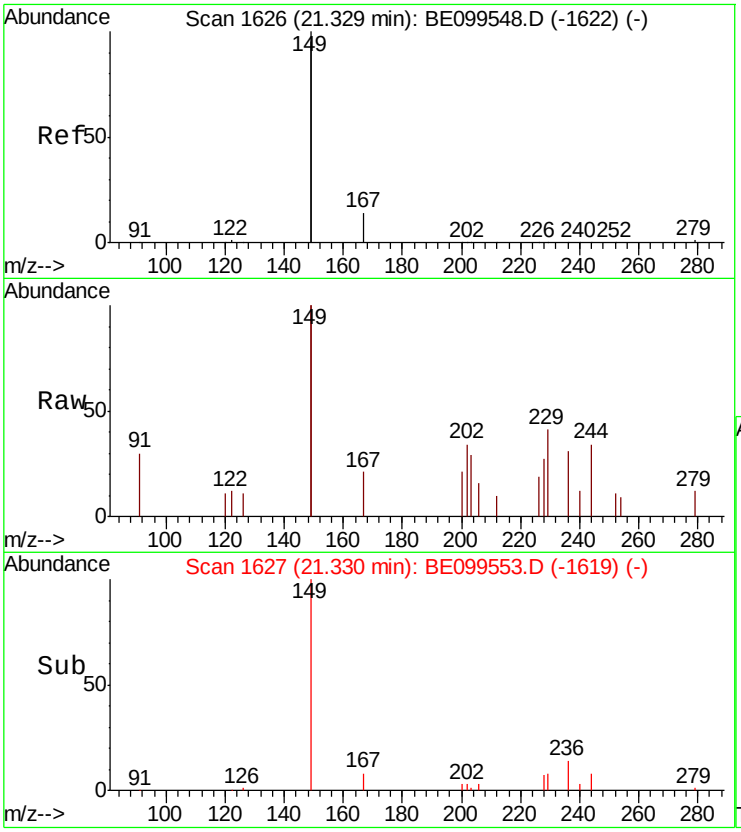


#31
Chrysene
Concen: 6.221 ng
RT: 21.46 min Scan# 1638
Delta R.T. -0.01 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:228 Resp: 328746

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	21.4	15.8	23.8



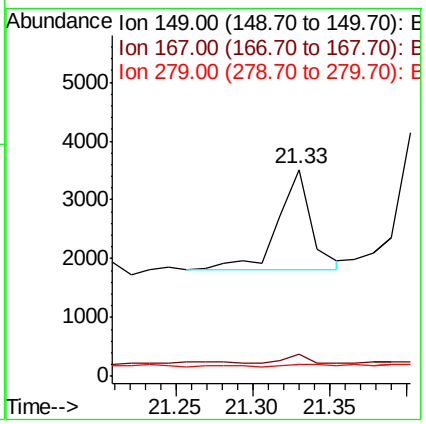


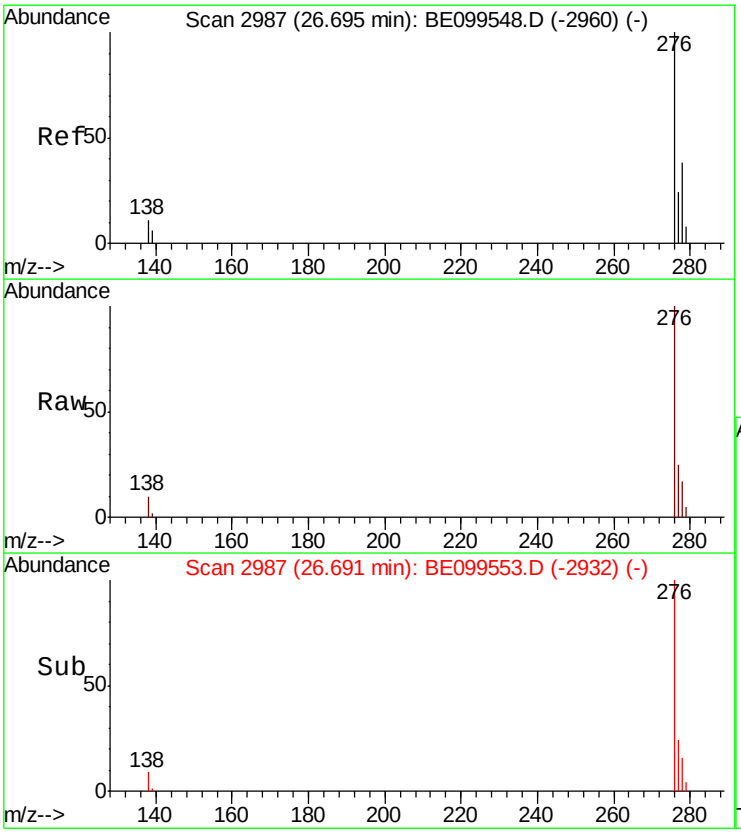
#32
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:149 Resp: 2513

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.8	8.6
279	3.1	1.0	1.6#

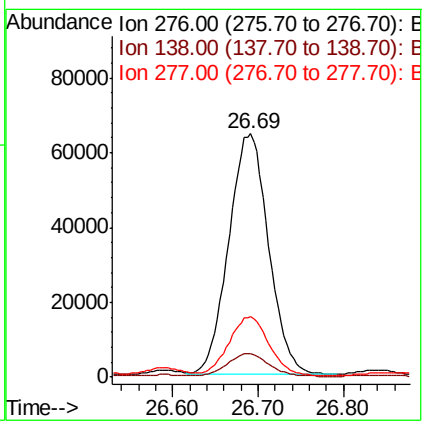


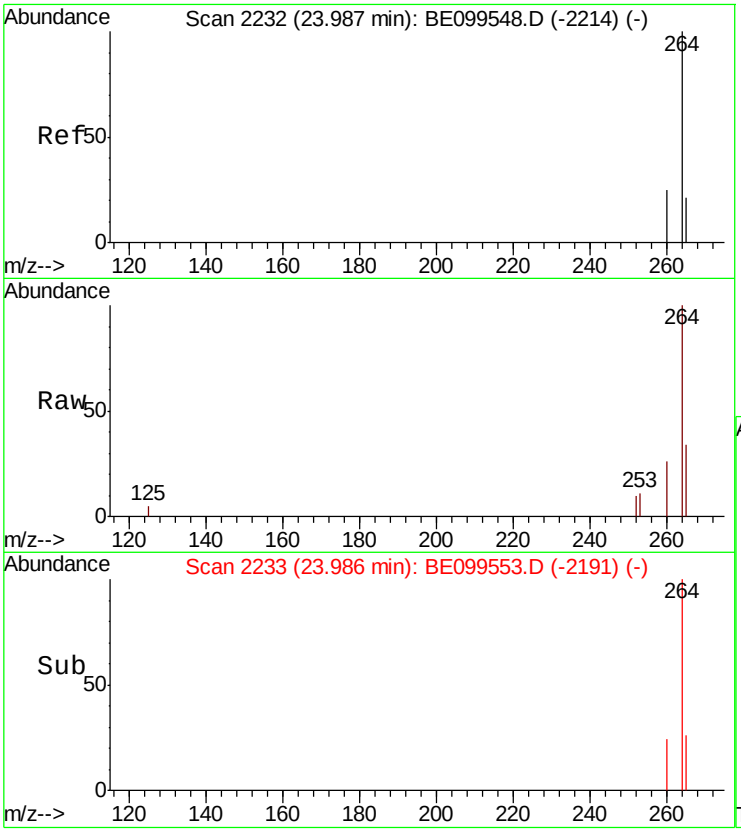


#33
Indeno(1,2,3-cd)pyrene
Concen: 3.334 ng
RT: 26.69 min Scan# 2987
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:276 Resp: 208218

Ion	Ratio	Lower	Upper
276	100		
138	9.7	10.2	15.2#
277	24.6	19.2	28.8



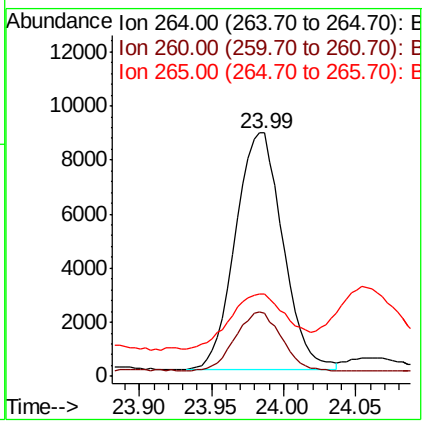


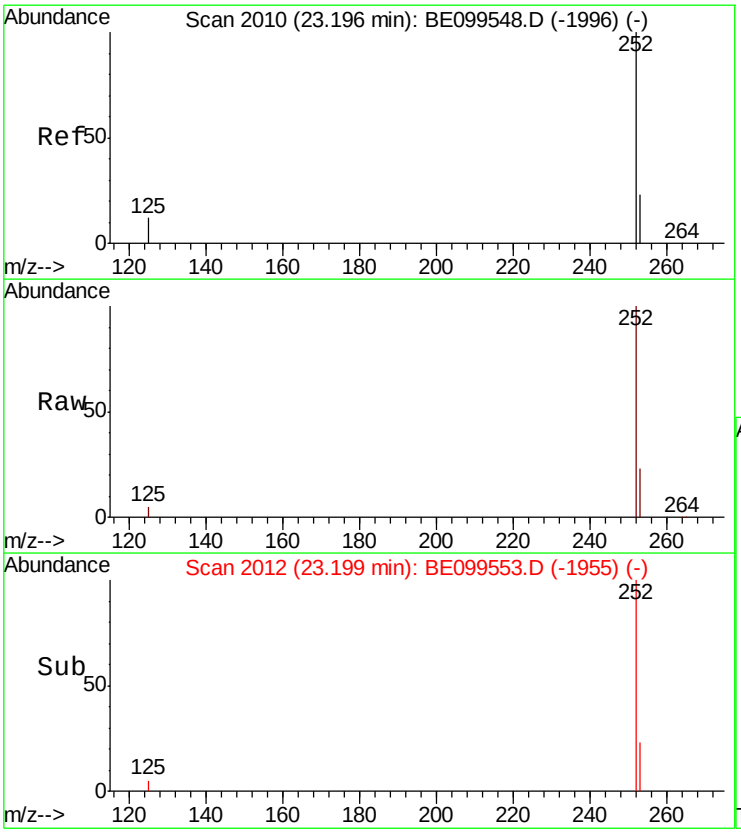
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2233
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:264 Resp: 19719

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.2	30.2
265	33.8	21.3	31.9#

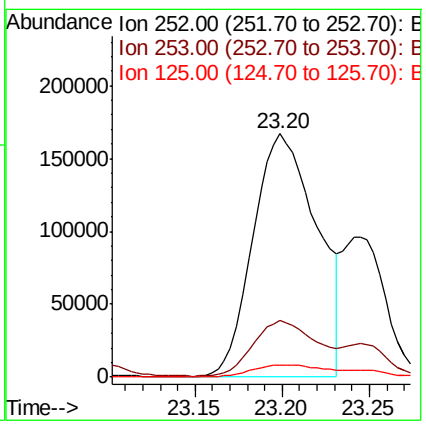


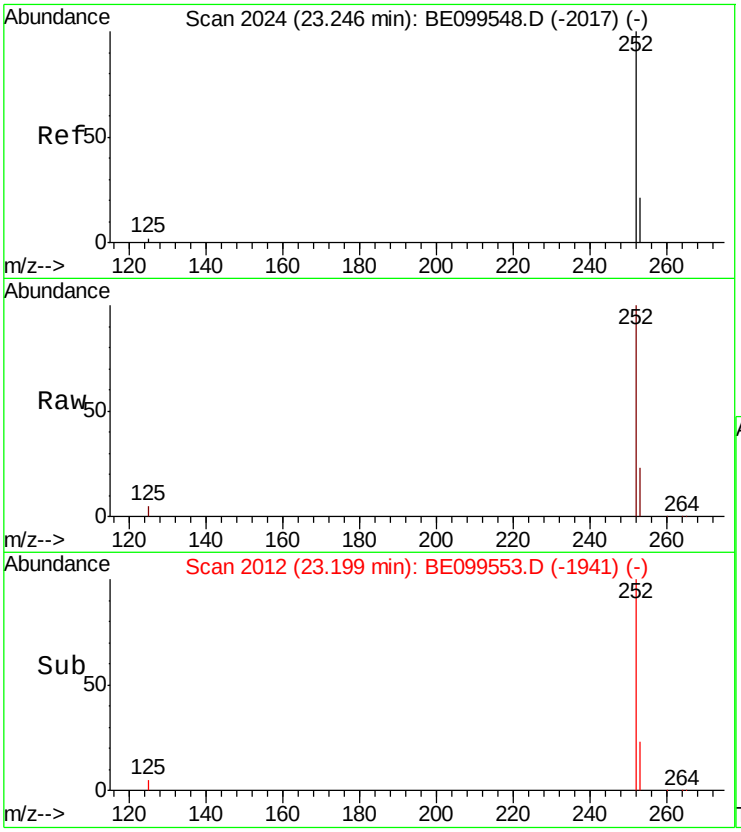


#35
Benzo(b)fluoranthene
Concen: 7.446 ng
RT: 23.20 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:252 Resp: 423398

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	5.1	5.6	8.4#



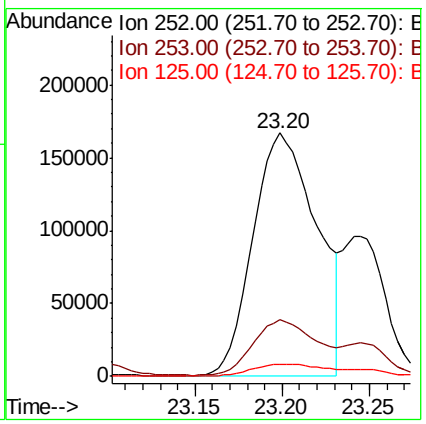


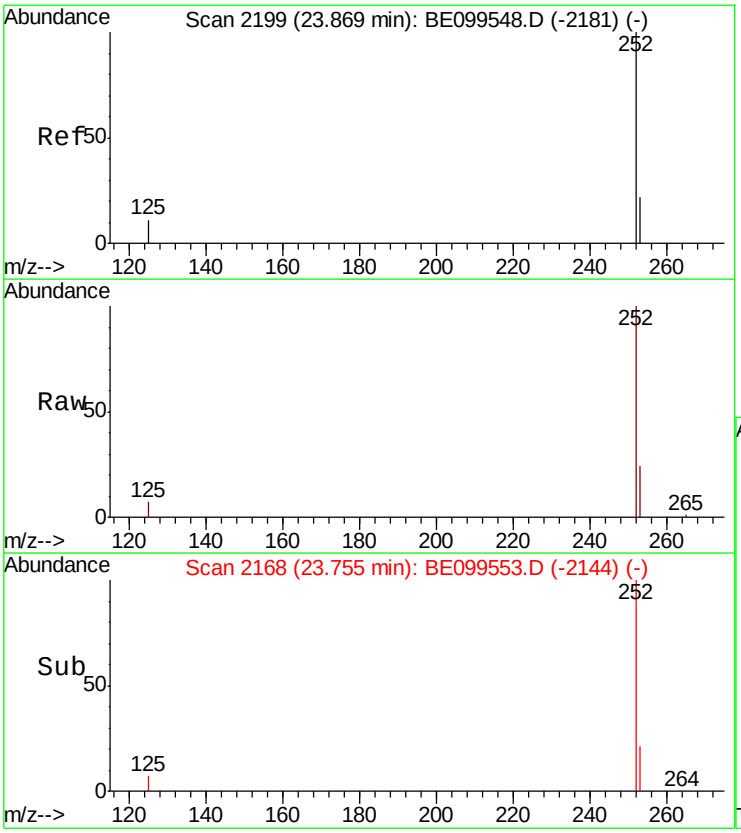
#36
Benzo(k)fluoranthene
Concen: 7.722 ng
RT: 23.20 min Scan# 2012
Delta R.T. -0.05 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:252 Resp: 423398

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	5.1	5.0	7.4

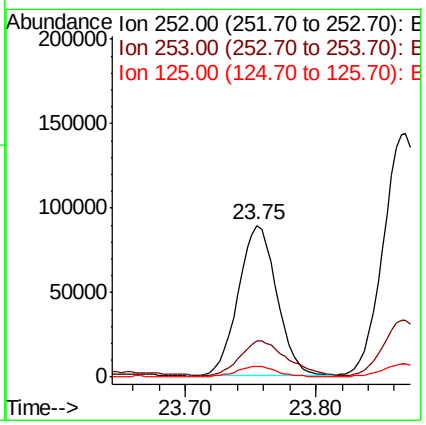


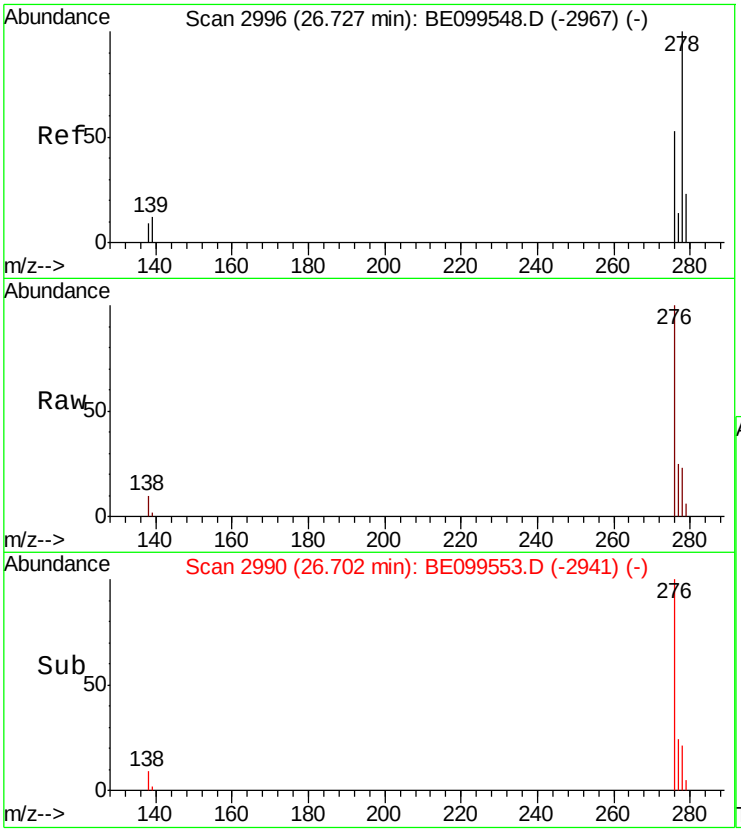


#37
Benzo(a)pyrene
Concen: 3.394 ng
RT: 23.75 min Scan# 2168
Delta R.T. -0.11 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:252 Resp: 182461

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	7.0	6.7	10.1



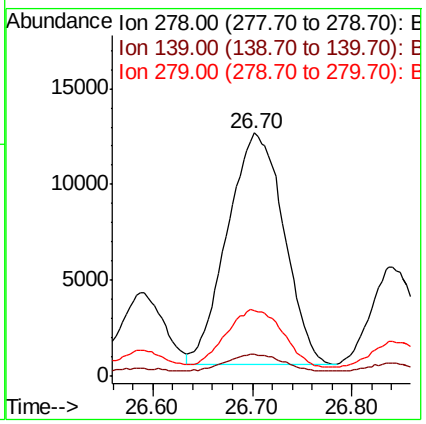


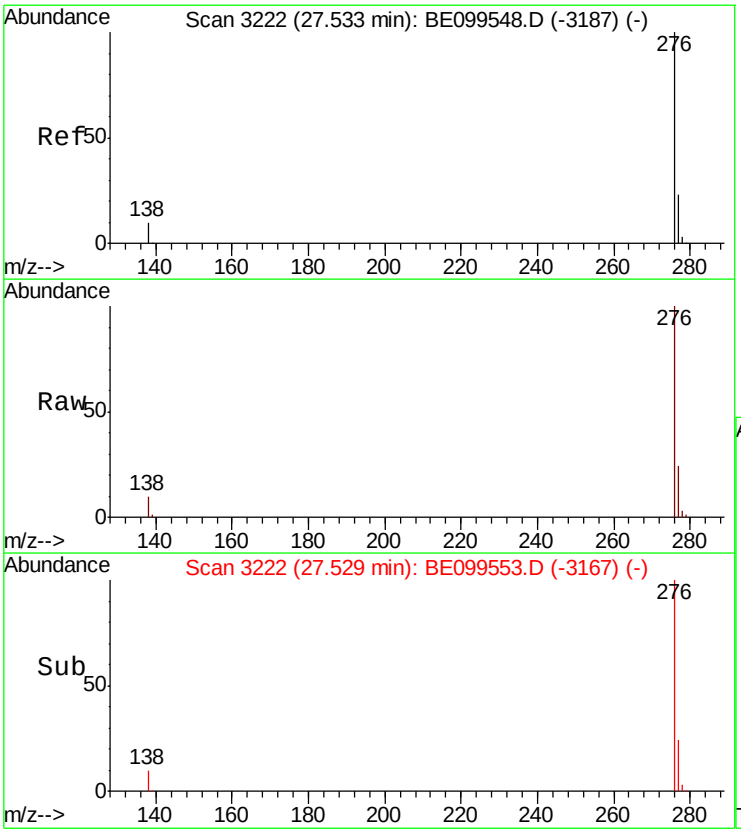
#38
Dibenzo(a,h)anthracene
Concen: 0.862 ng
RT: 26.70 min Scan# 2990
Delta R.T. -0.02 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tgt Ion:278 Resp: 47425

Ion	Ratio	Lower	Upper
278	100		
139	9.4	7.7	11.5
279	27.0	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 3.436 ng
RT: 27.53 min Scan# 3222
Delta R.T. -0.00 min
Lab File: BE099553.D
Acq: 6 May 2019 15:27

Tgt Ion:276 Resp: 189302

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	10.3	9.6	14.4