Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE071417\
Data File : BE093474.D
Acq On : 14 Jul 2017 18:02
Operator : SJ/JU
Sample : I4153-08MSD
Misc : LOO 0.2 PPM
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : EFFLUENT-20170710MSD

Quant Time: Jul 17 01:28:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 06:40:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	4458	0.40	ng		-0.01
7) Naphthalene-d8	10.72	136	21197	0.40	ng		0.00
13) Acenaphthene-d10	14.54	164	13739	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	25582	0.40	ng		0.00
27) Chrysene-d12	21.41	240	39196	0.40	ng		-0.01
34) Perylene-d12	23.93	264	32604	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	2219	0.16	ng		0.00
5) Phenol-d6	7.10	99	2052	0.10	ng		0.00
8) Nitrobenzene-d5	9.08	82	5659	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	12307	0.36	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	927	0.21	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	20675	0.39	ng		-0.01
25) Fluoranthene-d10	19.28	212	147510	0.48	ng		0.00
29) Terphenyl-d14	19.87	244	28864	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.45	88	3986	0.422	ng	#	37
3) n-Nitrosodimethylamine	3.77	42	671	0.222	ng	#	63
6) bis(2-Chloroethyl)ether	7.35	93	5310	0.356	ng	#	98
9) Naphthalene	10.77	128	78443	0.353	ng	#	73
10) Hexachlorobutadiene	11.06	225	2752	0.327	ng		98
12) 2-Methylnaphthalene	12.38	142	14340	0.385	ng		97
16) Acenaphthylene	14.26	152	21032	0.368	ng	#	88
17) Acenaphthene	14.60	154	15258	0.364	ng		99
18) Fluorene	15.58	166	22130	0.385	ng	#	86
20) 4-Bromophenyl-phenylether	16.45	248	9147	0.652	ng	#	1
21) Hexachlorobenzene	16.58	284	7397	0.488	ng	#	100
22) Pentachlorophenol	16.91	266	1214	0.615	ng	#	81
23) Phenanthrene	17.30	178	39918	0.429	ng		95
24) Anthracene	17.30	178	41969	0.736	ng	#	91
26) Fluoranthene	19.31	202	43589	0.499	ng		98
28) Pyrene	19.67	202	43111	0.391	ng	#	98
30) Benzo(a)anthracene	21.40	228	39462	0.373	ng		95
31) Chrysene	21.46	228	41036	0.371	ng		95
32) Bis(2-ethylhexyl)phthalate	21.33	149	58224	0.382	ng	#	67
33) Indeno(1,2,3-cd)pyrene	26.57	276	39001	0.401	ng		94
35) Benzo(b)fluoranthene	23.16	252	39784	0.378	ng	#	96
36) Benzo(k)fluoranthene	23.16	252	39784	0.382	ng		94
37) Benzo(a)pyrene	23.82	252	34628	0.375	ng		96
38) Dibenzo(a,h)anthracene	26.60	278	32567	0.364	ng	#	90
39) Benzo(g,h,i)perylene	27.38	276	33433	0.370	ng		92

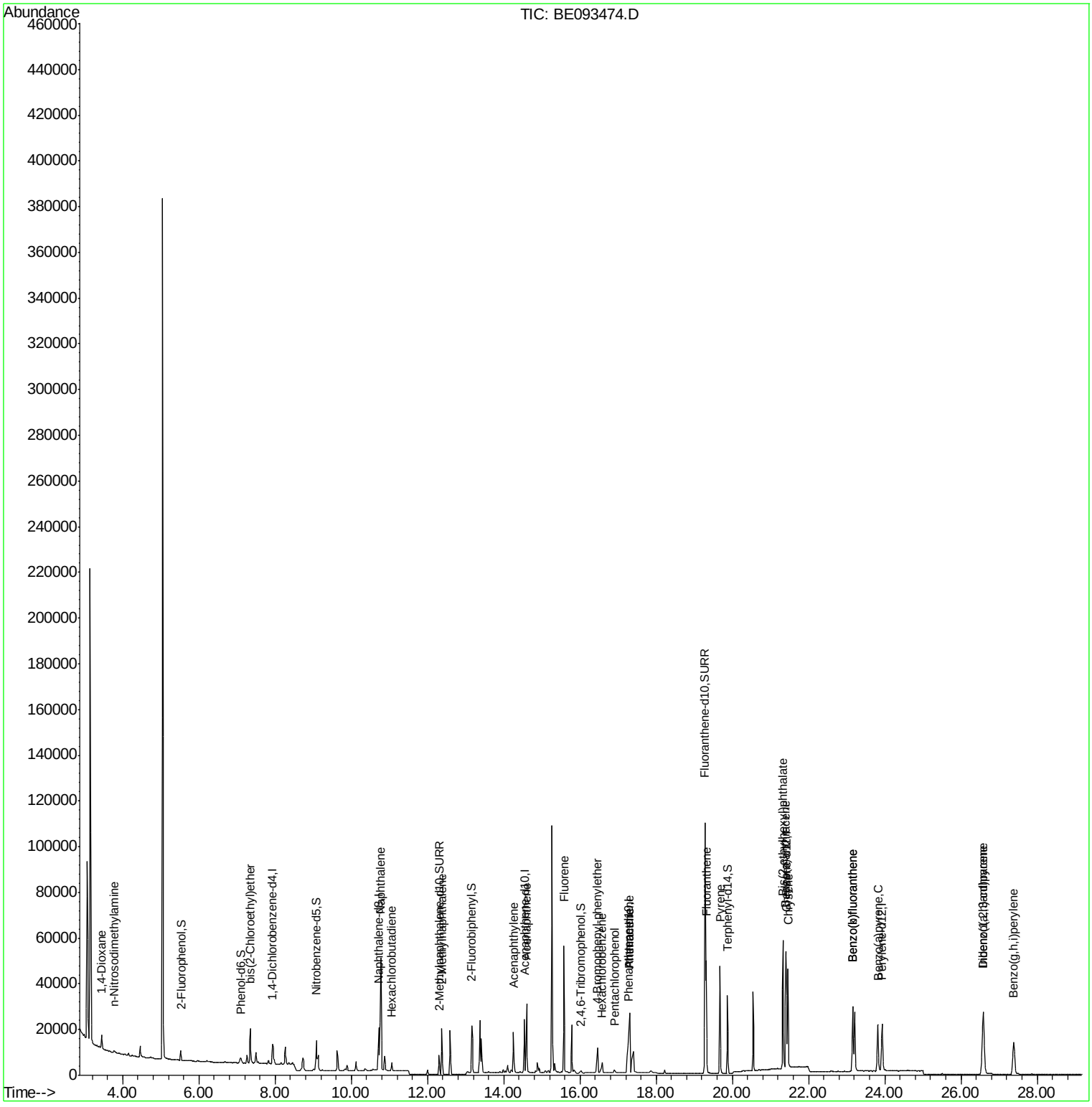
(#) = qualifier out of range (m) = manual integration (+) = signals summed

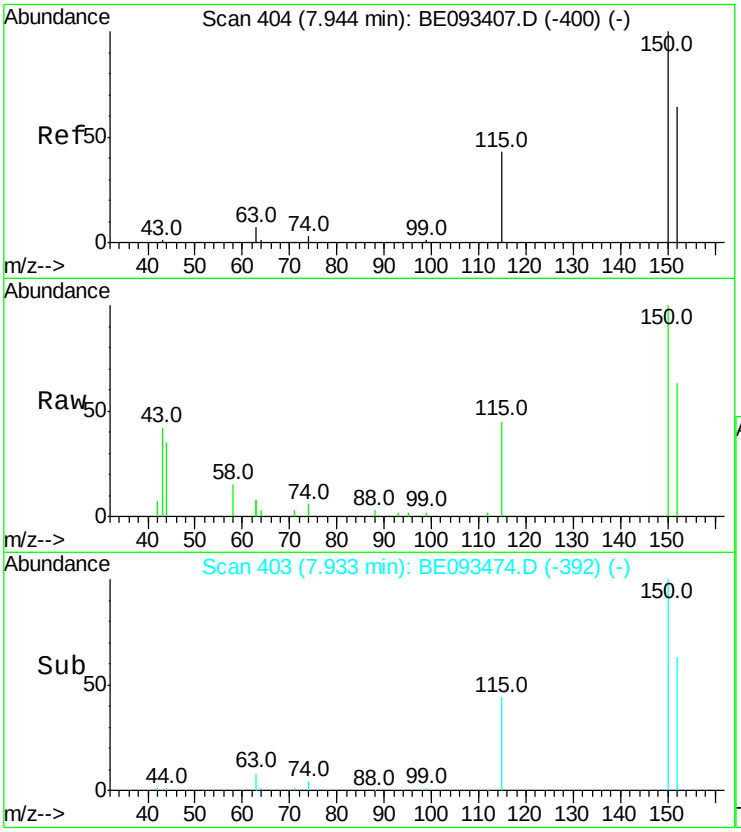
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE071417\
Data File : BE093474.D
Acq On : 14 Jul 2017 18:02
Operator : SJ/JU
Sample : I4153-08MSD
Misc : LOO 0.2 PPM
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Quant Time: Jul 17 01:28:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 06:40:23 2017
Response via : Initial Calibration



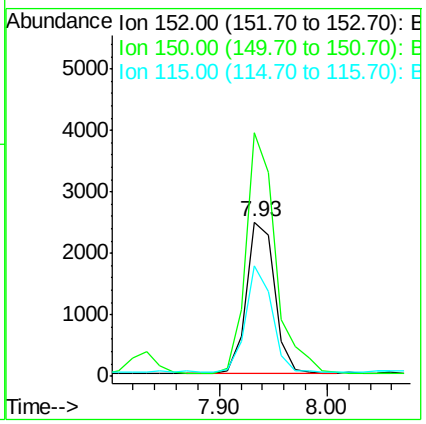


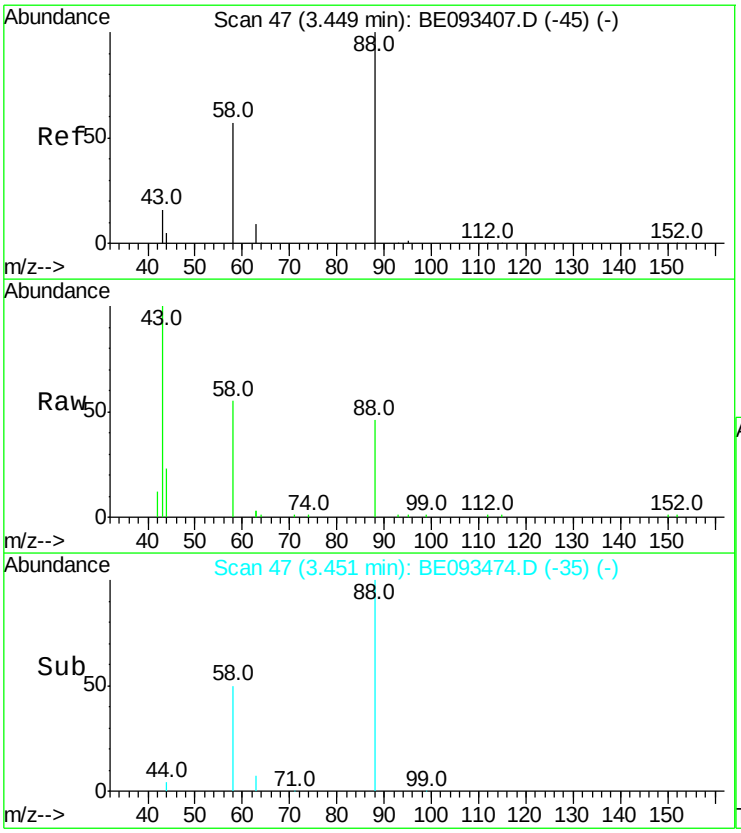
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.93 min Scan# 403
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:152 Resp: 4458

Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.1	187.7
115	71.6	55.7	83.5

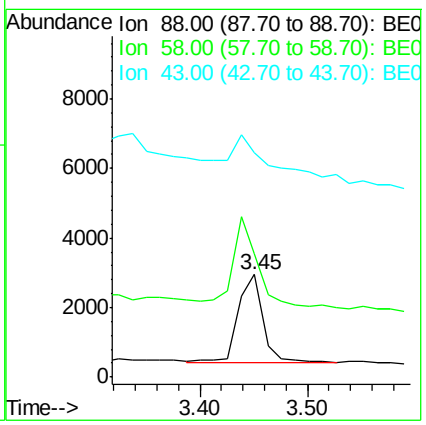


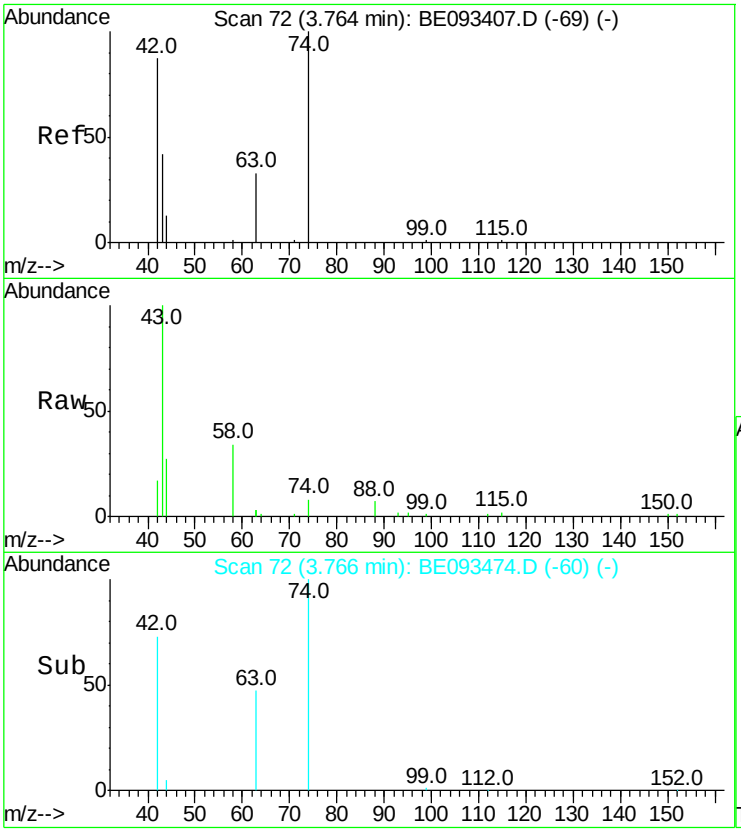


#2
1,4-Dioxane
Concen: 0.422 ng
RT: 3.45 min Scan# 47
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion: 88 Resp: 3986

Ion	Ratio	Lower	Upper
88	100		
58	113.9	62.2	93.4#
43	93.3	23.2	34.8#



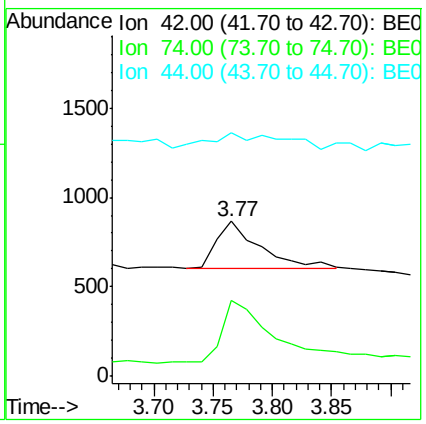


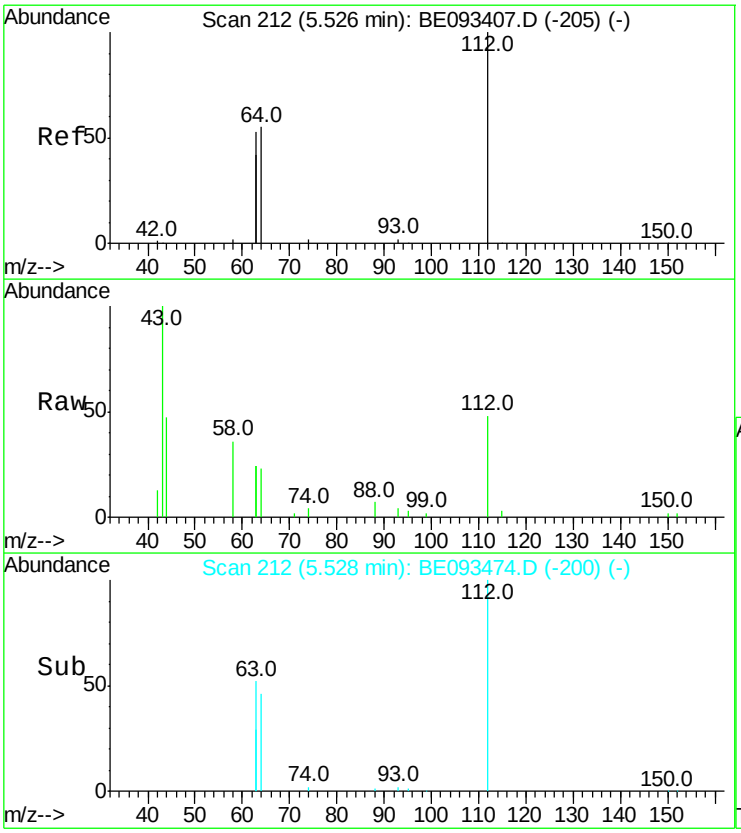
#3
n-Nitrosodimethylamine
Concen: 0.222 ng
RT: 3.77 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion: 42 Resp: 671

Ion	Ratio	Lower	Upper
42	100		
74	156.5	99.1	148.7#
44	61.7	7.4	11.2#

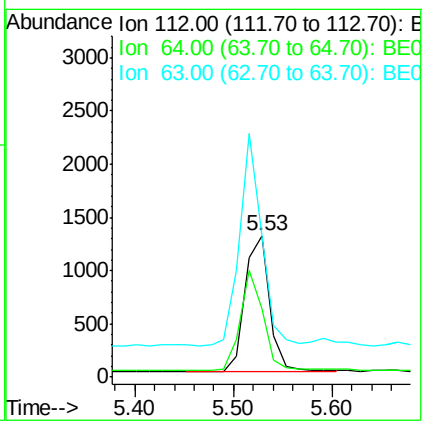


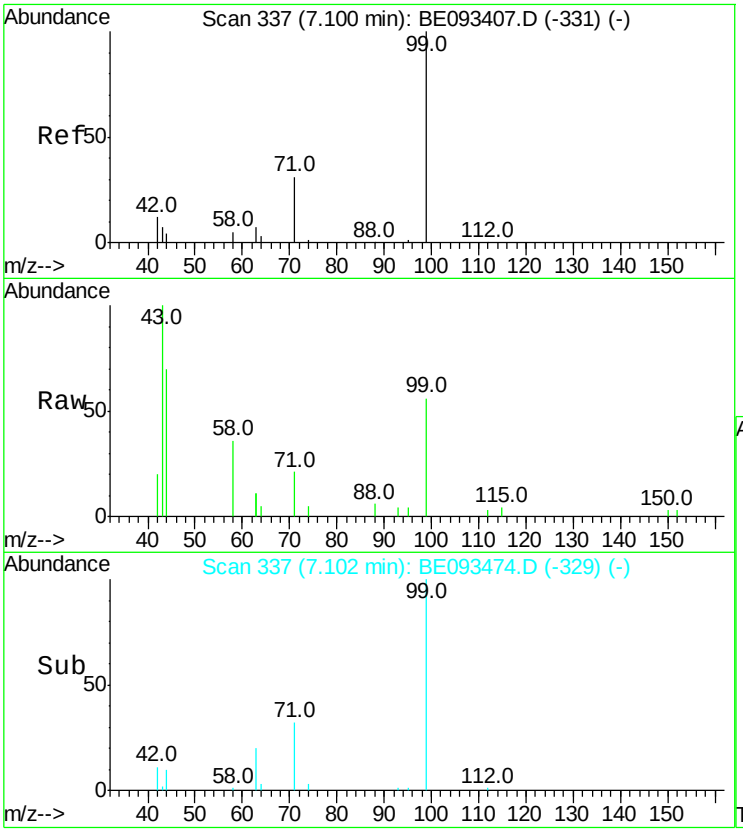


#4
2-Fluorophenol
Concen: 0.165 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:112 Resp: 2219

Ion	Ratio	Lower	Upper
112	100		
64	68.9	56.4	84.6
63	138.2	29.3	43.9#



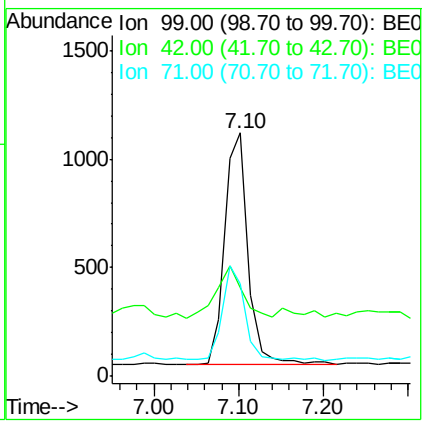


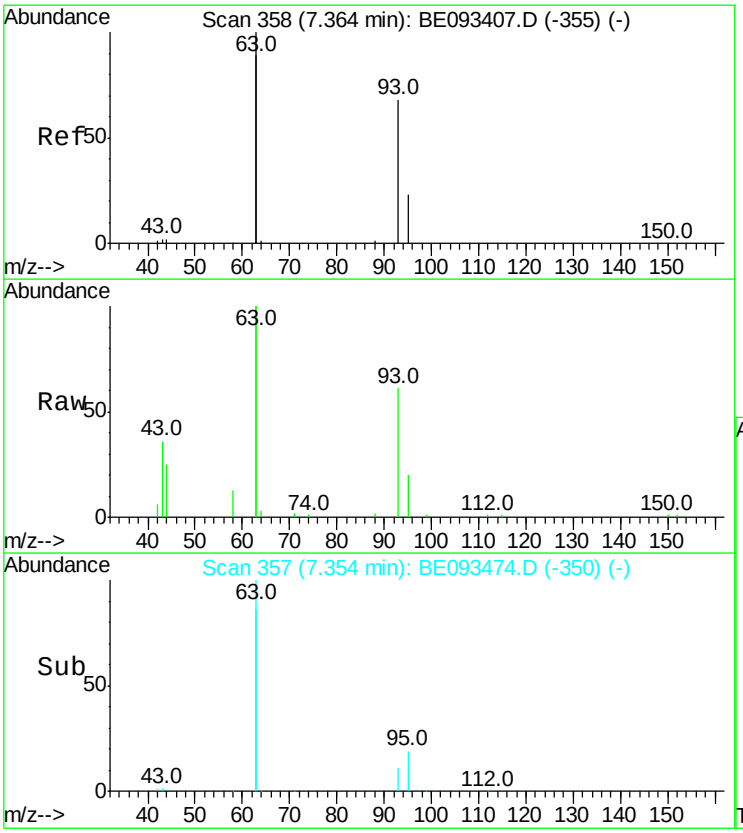
#5
Phenol-d6
Concen: 0.103 ng
RT: 7.10 min Scan# 337
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion: 99 Resp: 2052

Ion	Ratio	Lower	Upper
99	100		
42	24.8	0.0	0.0#
71	37.4	0.0	0.0#

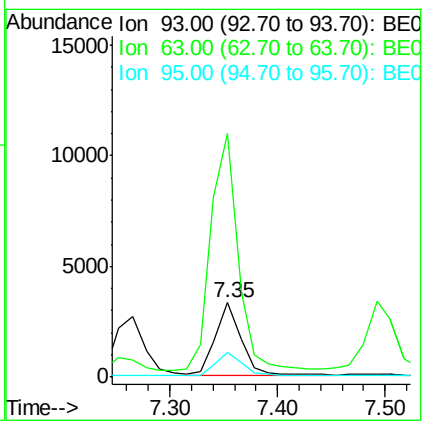


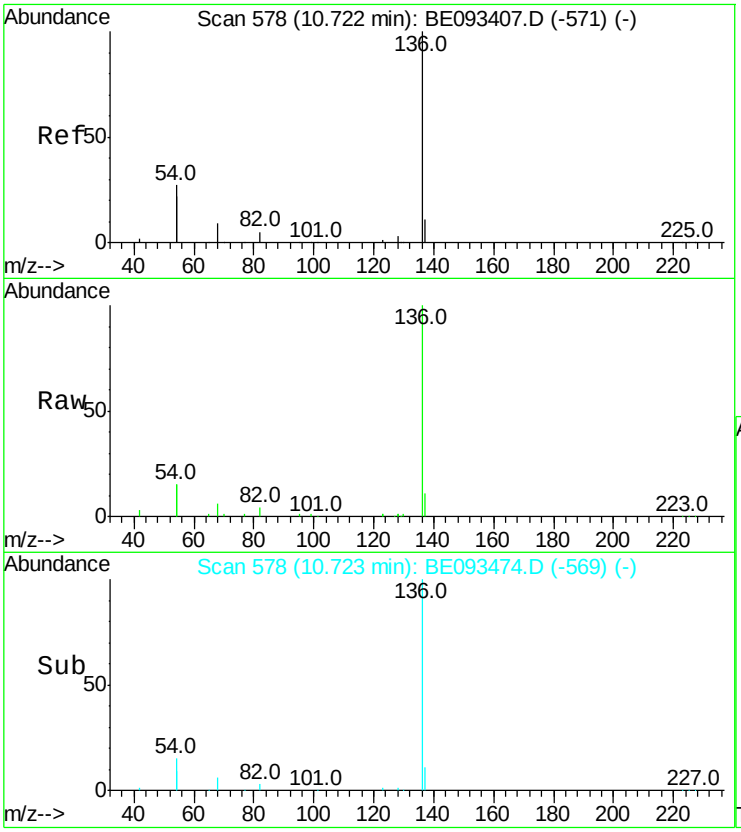


#6
bis(2-Chloroethyl)ether
Concen: 0.356 ng
RT: 7.35 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion: 93 Resp: 5310

Ion	Ratio	Lower	Upper
93	100		
63	349.1	0.0	0.0#
95	32.7	25.4	38.0



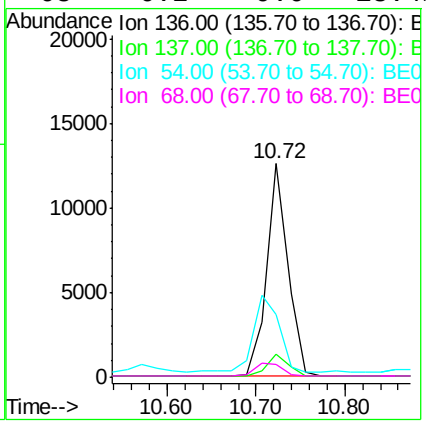


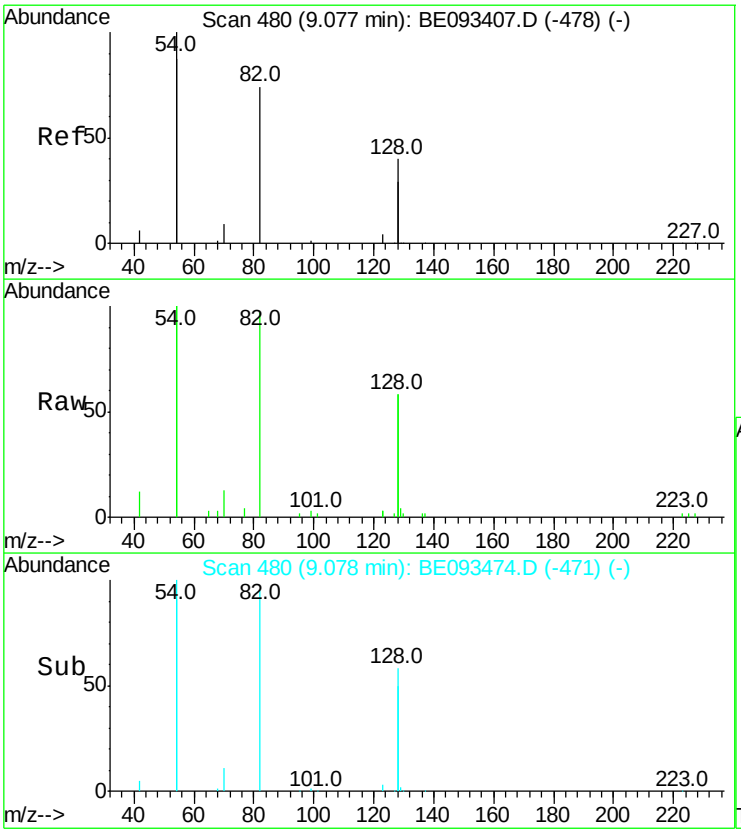
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.72 min Scan# 578
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:136 Resp: 21197

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.8
54	29.3	10.3	15.5#
68	6.2	9.0	13.4#

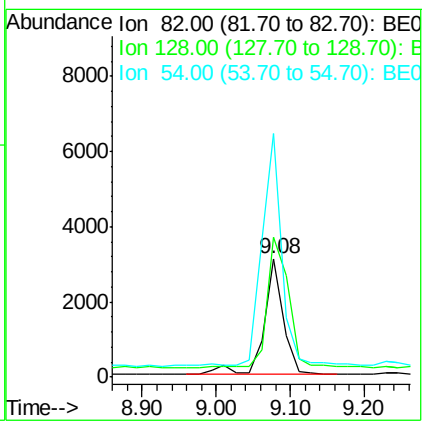


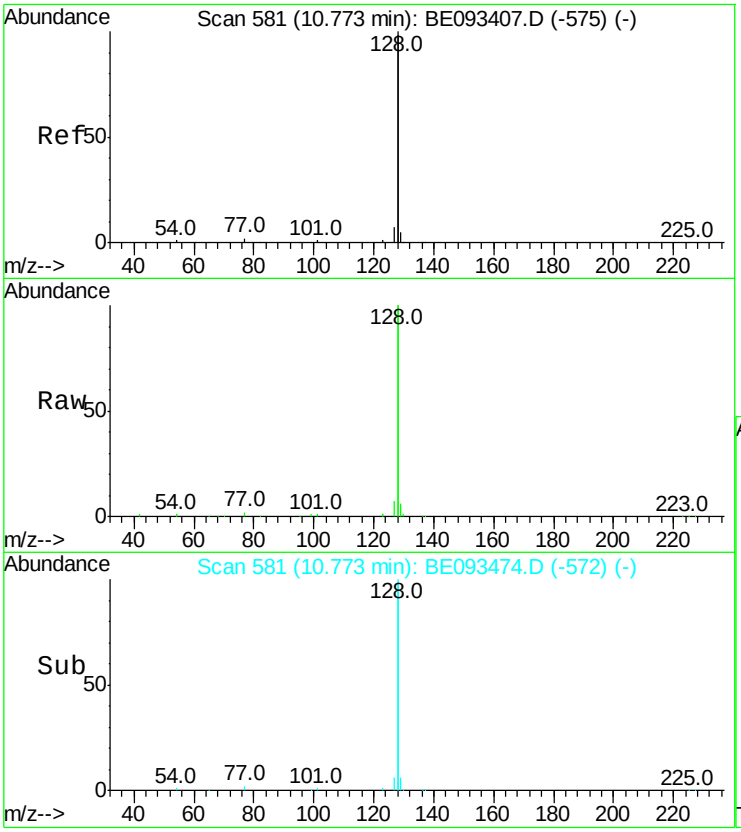


#8
Nitrobenzene-d5
Concen: 0.418 ng
RT: 9.08 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion: 82 Resp: 5659

Ion	Ratio	Lower	Upper
82	100		
128	118.8	17.0	25.4#
54	205.8	53.8	80.6#



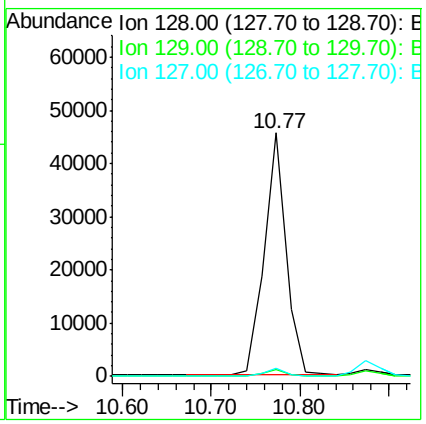


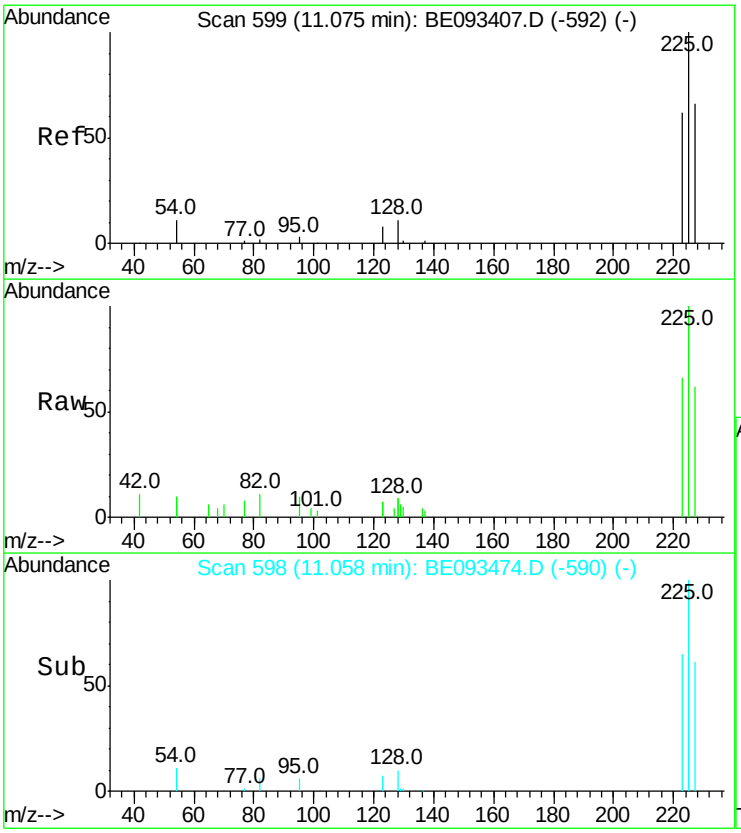
#9
Naphthalene
Concen: 0.353 ng
RT: 10.77 min Scan# 581
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:128 Resp: 78443

Ion	Ratio	Lower	Upper
128	100		
129	2.9	11.4	17.0#
127	3.4	11.2	16.8#

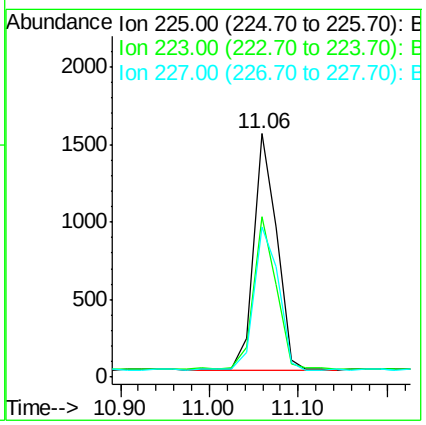


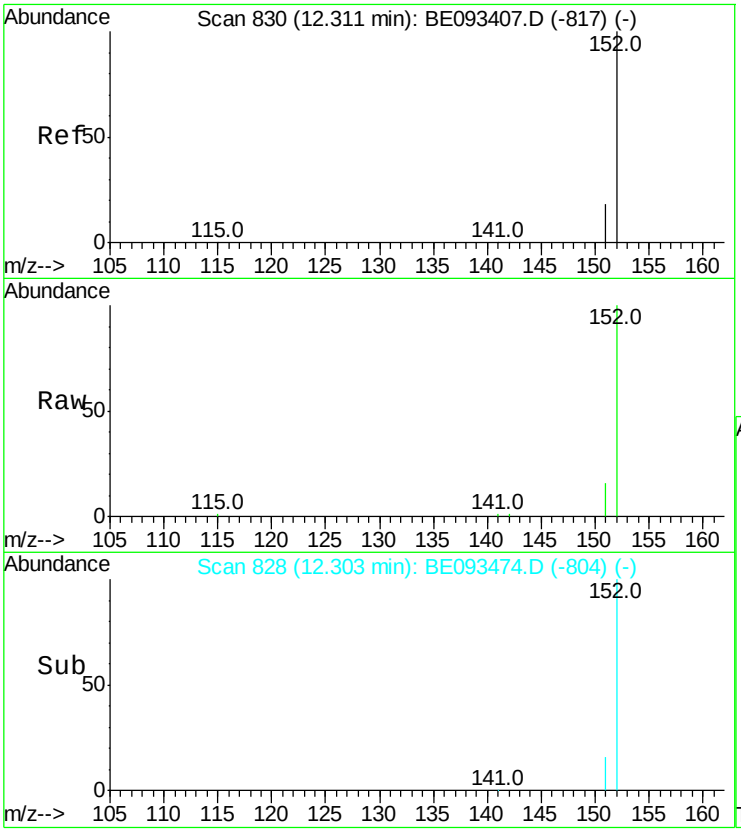


#10
Hexachlorobutadiene
Concen: 0.327 ng
RT: 11.06 min Scan# 598
Delta R.T. -0.02 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:225 Resp: 2752

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.7	74.5
227	64.2	50.3	75.5



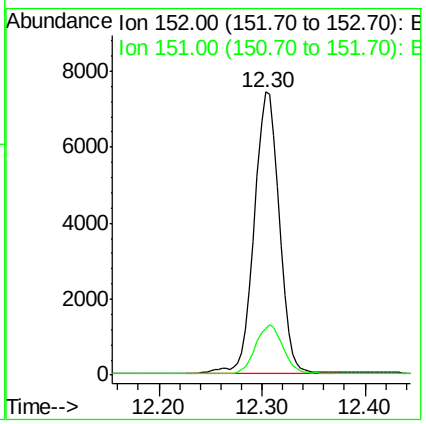


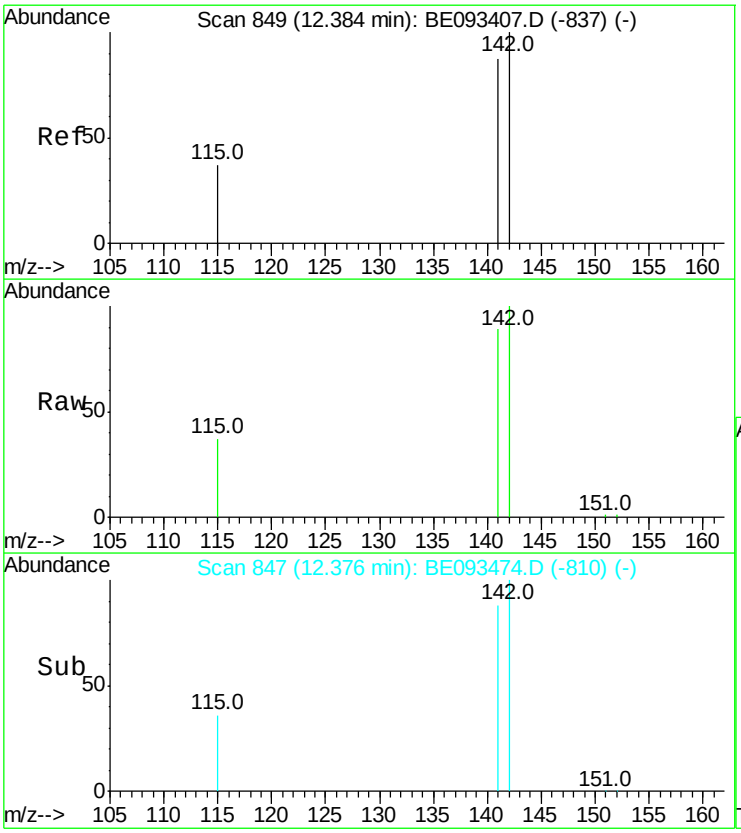
#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 12.30 min Scan# 828
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:152 Resp: 12307

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.1	22.7

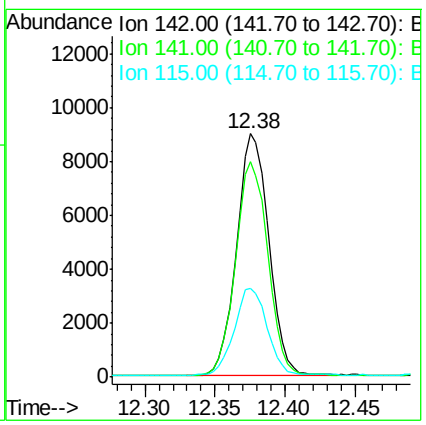


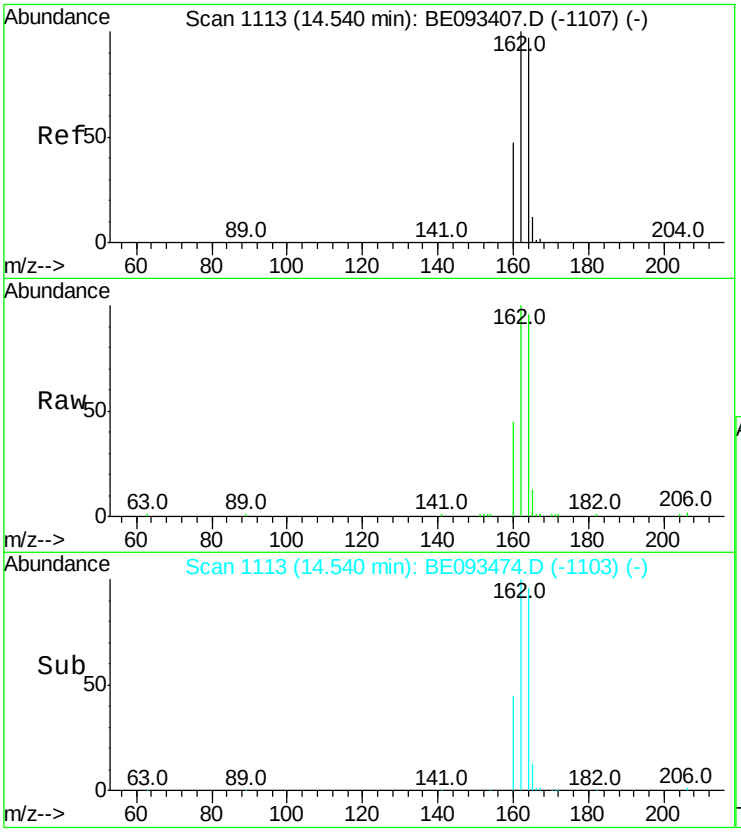


#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.38 min Scan# 847
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:142 Resp: 14340

Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.6	108.8
115	36.5	32.2	48.2



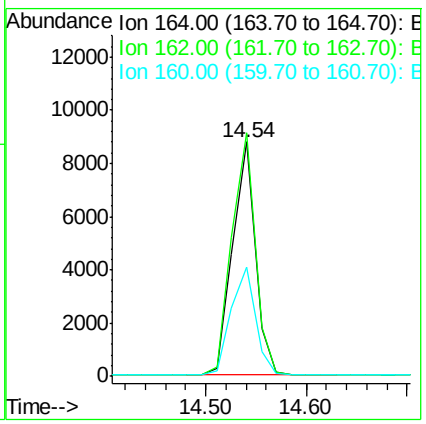


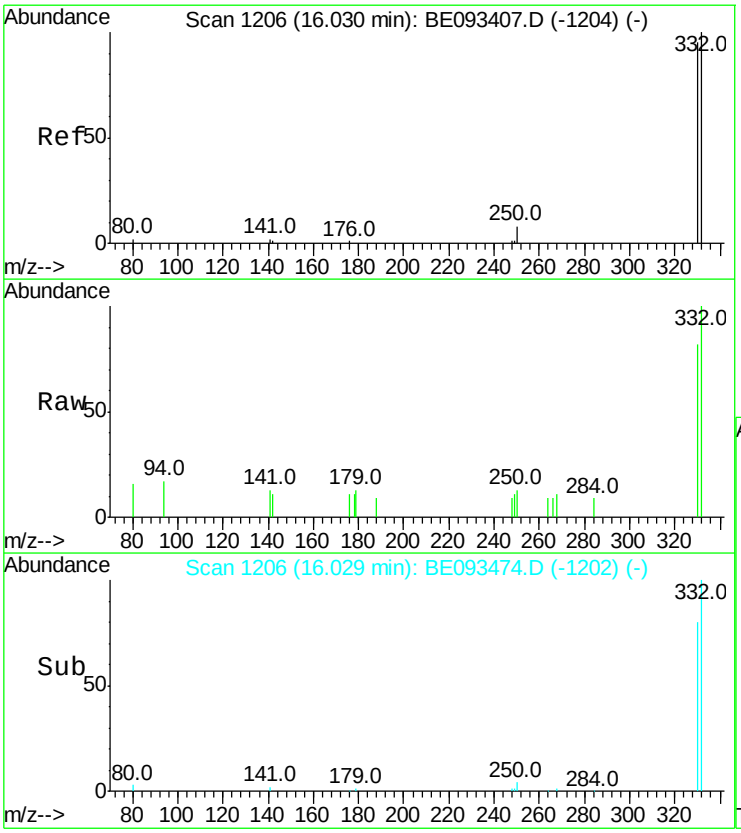
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:164 Resp: 13739

Ion	Ratio	Lower	Upper
164	100		
162	103.9	84.6	127.0
160	46.5	41.8	62.6

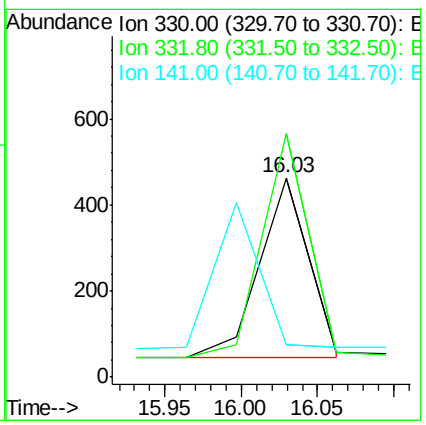


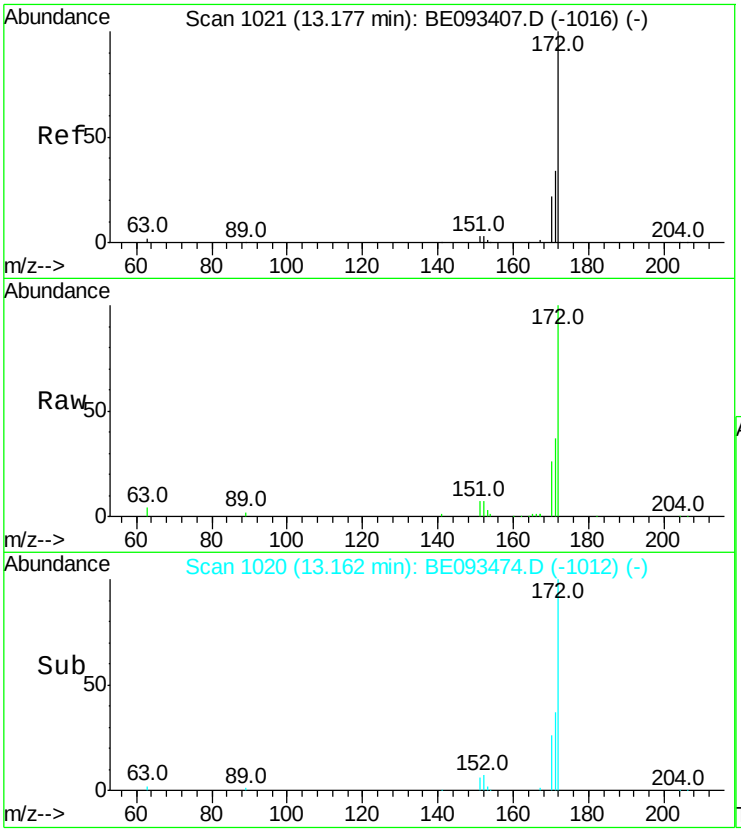


#14
2,4,6-Tribromophenol
Concen: 0.215 ng
RT: 16.03 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:330 Resp: 927

Ion	Ratio	Lower	Upper
330	100		
332	117.5	77.7	116.5#
141	0.0	56.2	84.4#



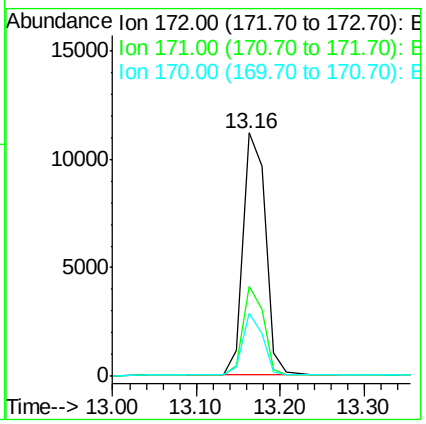


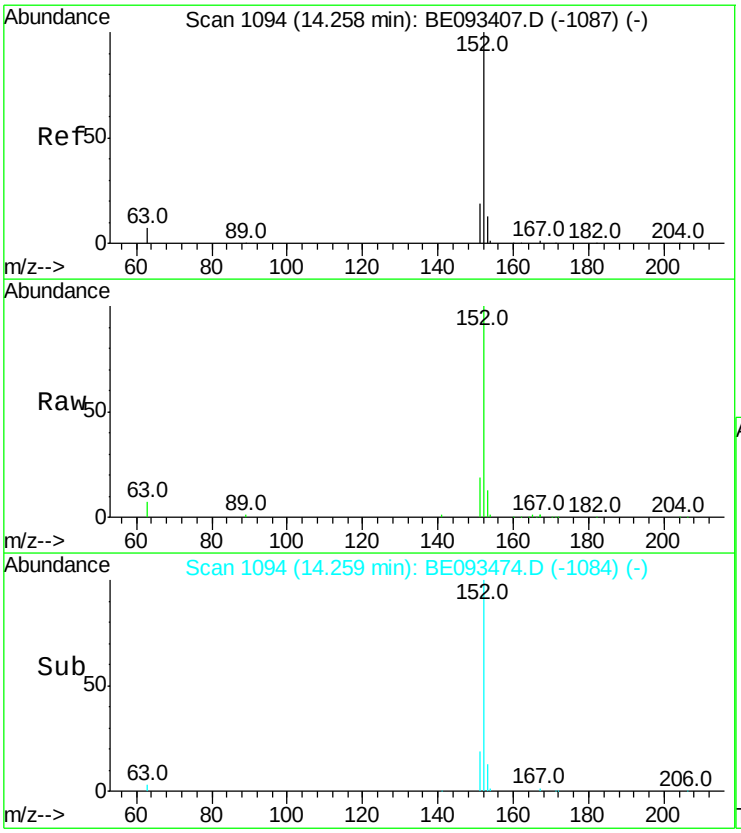
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.16 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:172 Resp: 20675

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.6
170	26.0	20.7	31.1

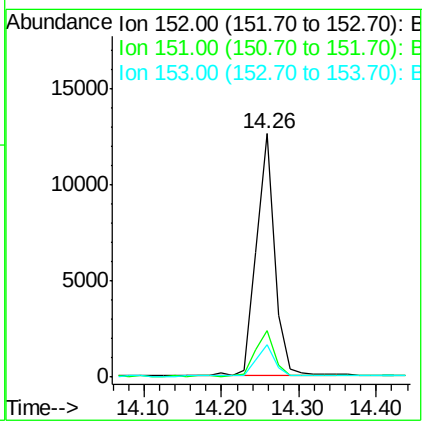


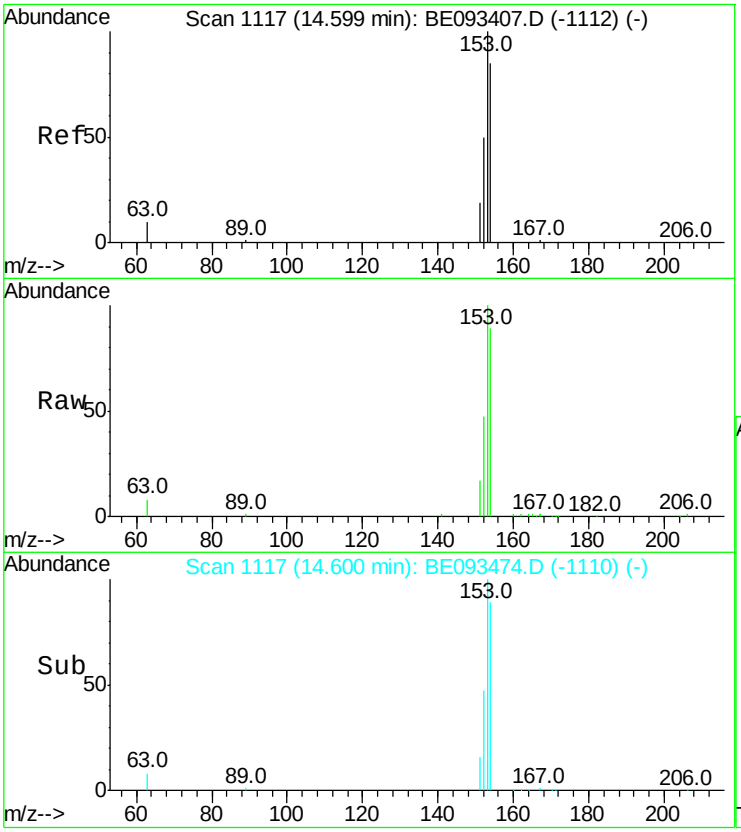


#16
Acenaphthylene
Concen: 0.368 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:152 Resp: 21032

Ion	Ratio	Lower	Upper
152	100		
151	19.1	4.0	6.0#
153	13.1	10.3	15.5



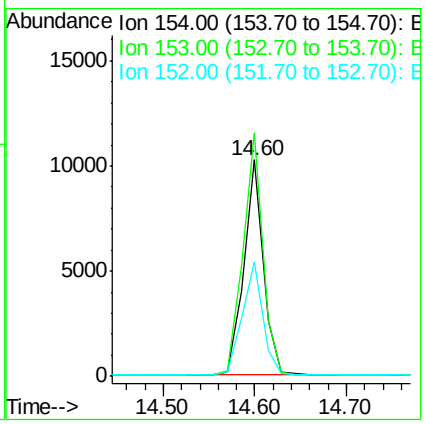


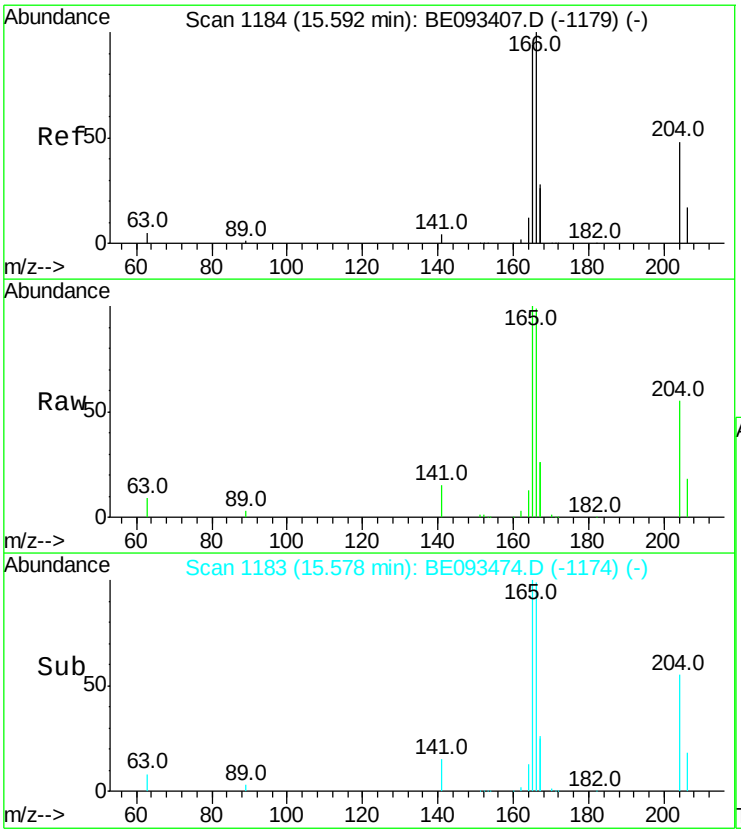
#17
Acenaphthene
Concen: 0.364 ng
RT: 14.60 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:154 Resp: 15258

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.2	136.8
152	55.2	44.8	67.2

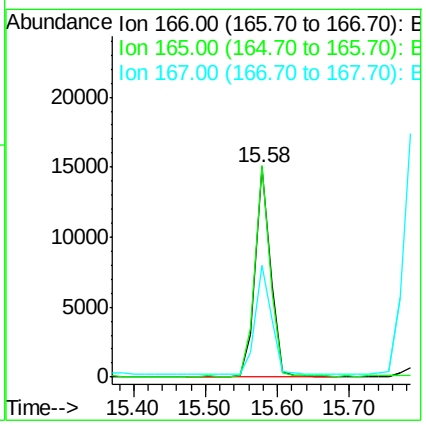


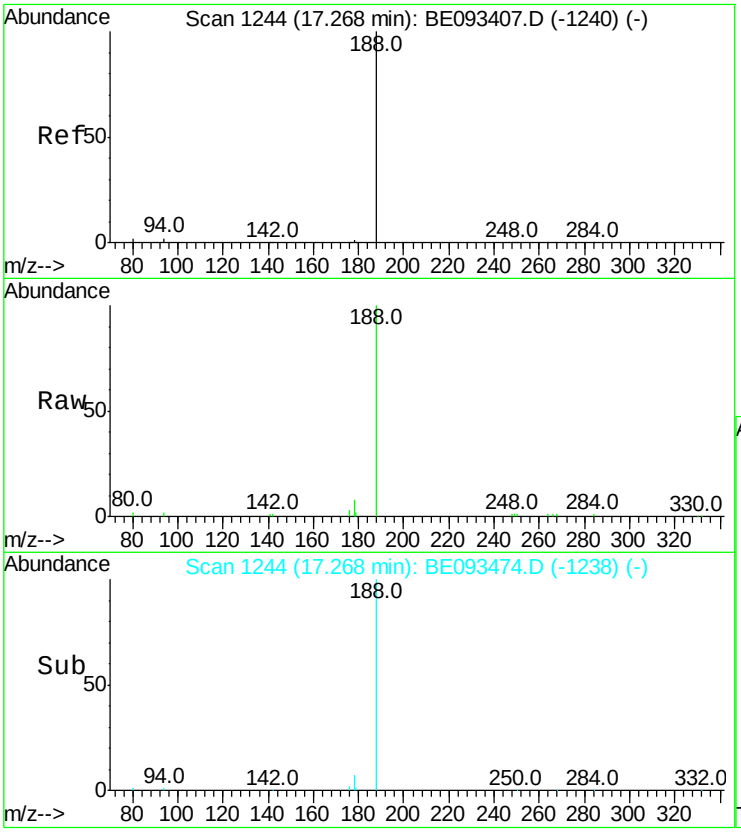


#18
Fluorene
Concen: 0.385 ng
RT: 15.58 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:166 Resp: 22130

Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.6	117.8
167	54.1	11.1	16.7#



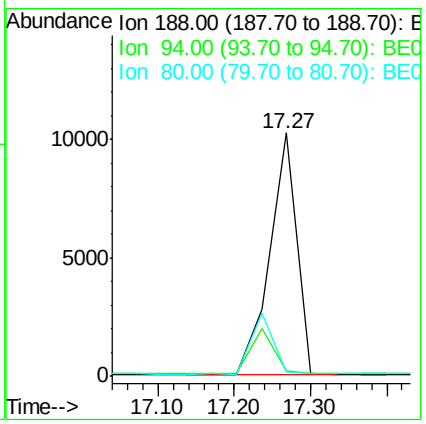


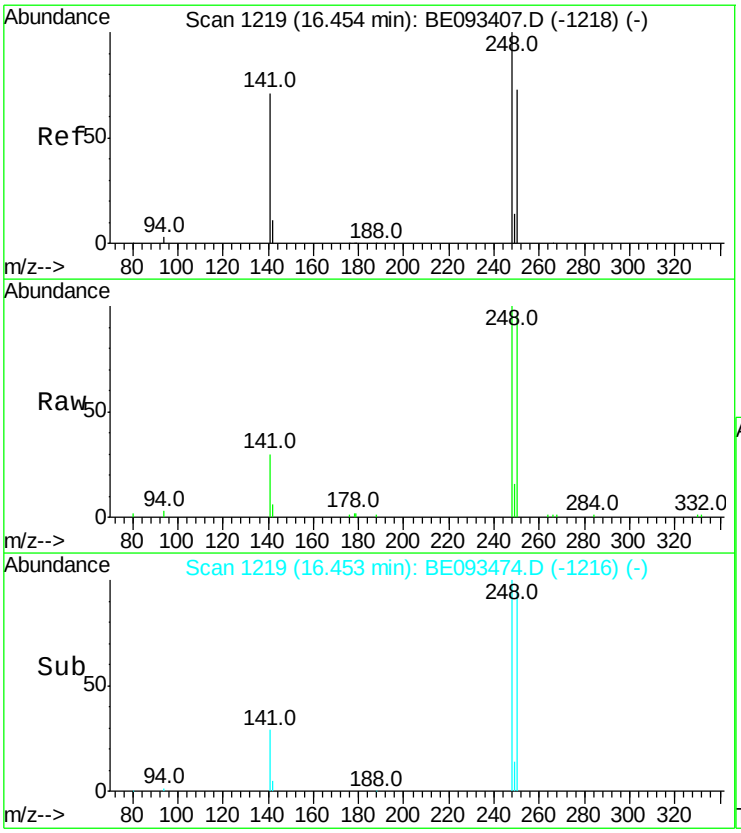
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:188 Resp: 25582

Ion	Ratio	Lower	Upper
188	100		
94	2.3	11.3	16.9#
80	1.8	11.7	17.5#

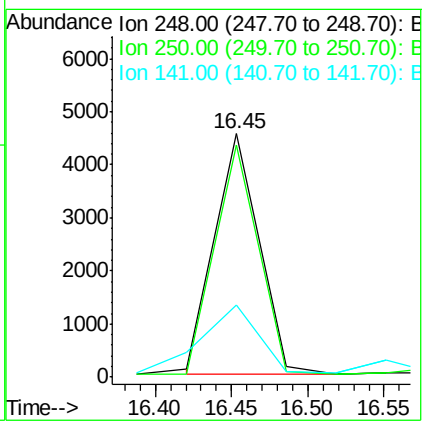


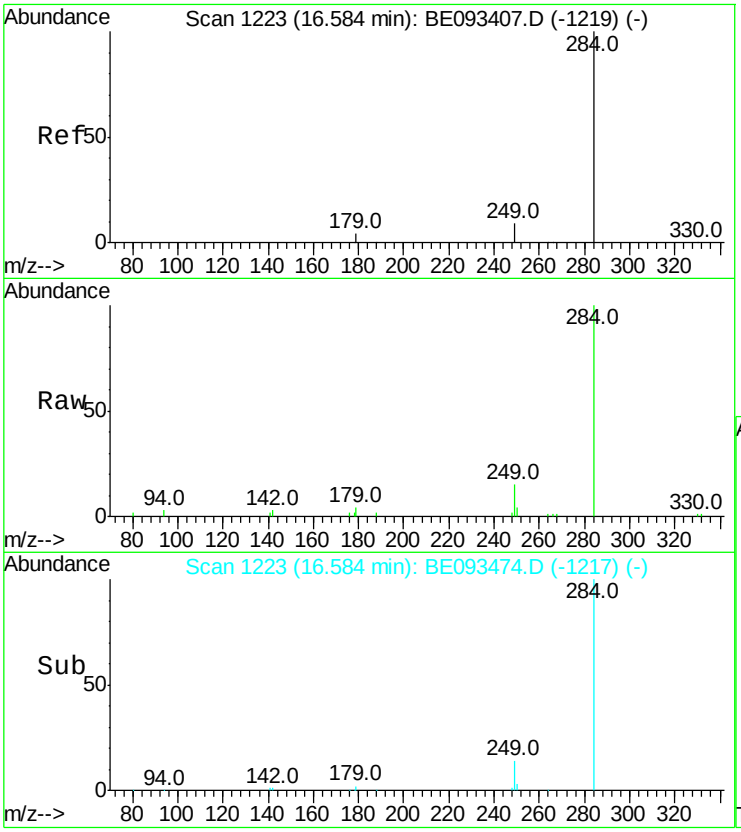


#20
4-Bromophenyl-phenylether
Concen: 0.652 ng
RT: 16.45 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:248 Resp: 9147

Ion	Ratio	Lower	Upper
248	100		
250	95.2	40.8	61.2#
141	29.8	161.6	242.4#



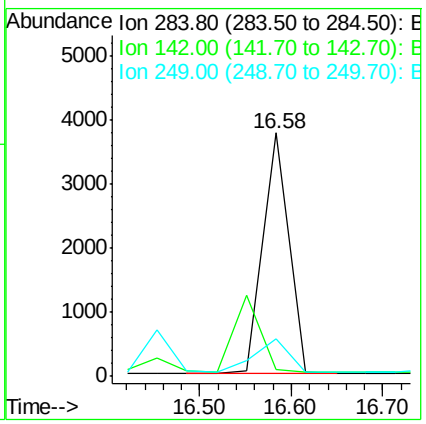


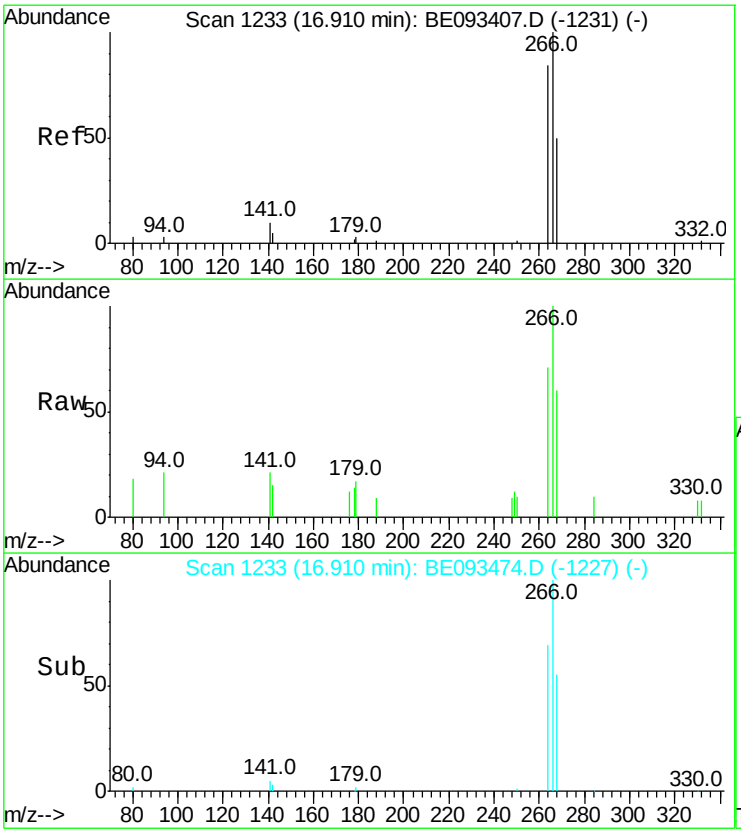
#21
Hexachlorobenzene
Concen: 0.488 ng
RT: 16.58 min Scan# 1223
Delta R.T. -0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:284 Resp: 7397

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	18.3	0.0	0.0#

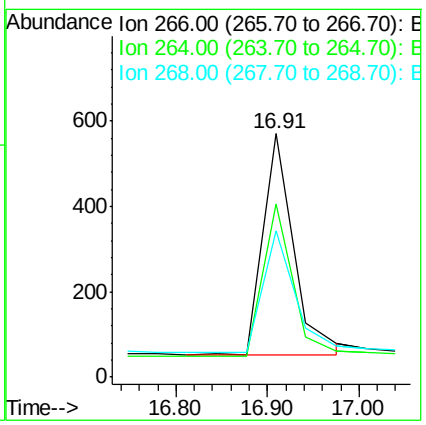


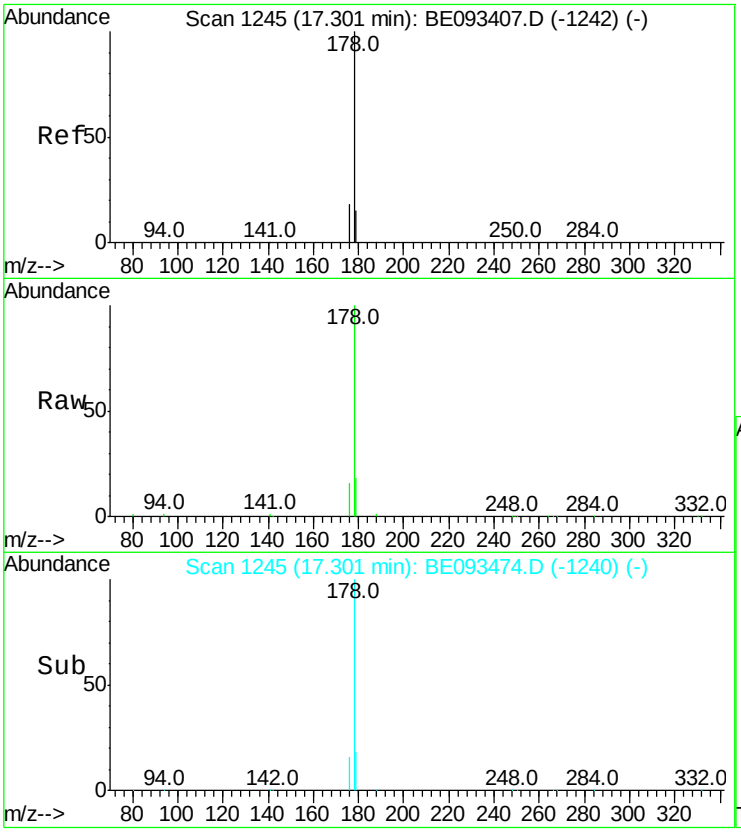


#22
Pentachlorophenol
Concen: 0.615 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:266 Resp: 1214

Ion	Ratio	Lower	Upper
266	100		
264	70.9	58.2	87.2
268	59.9	71.9	107.9#



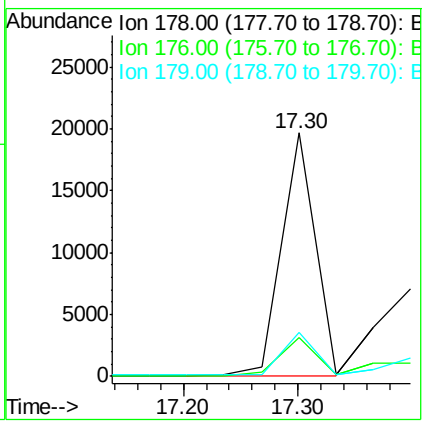


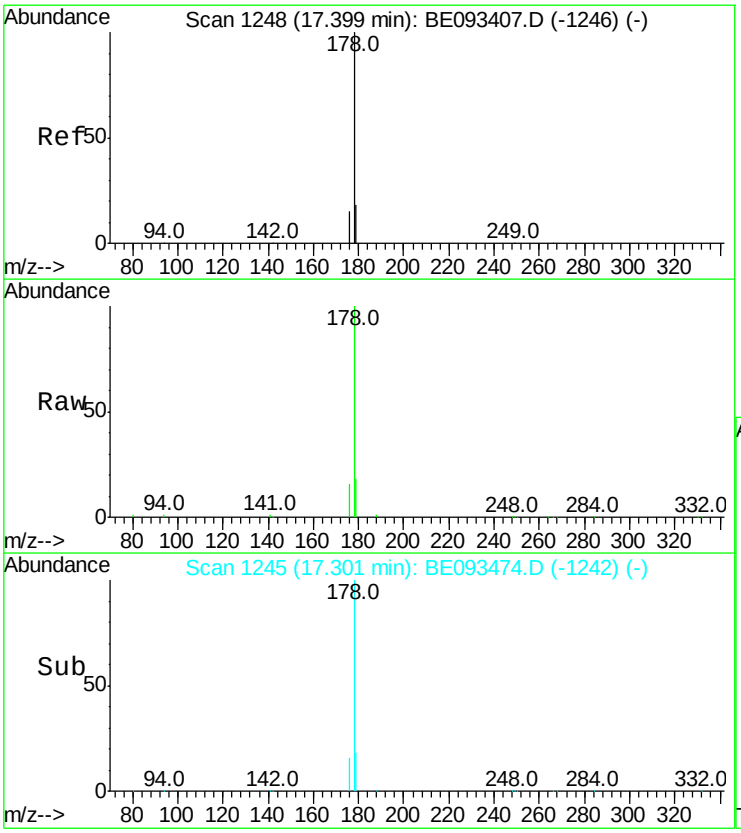
#23
Phenanthrene
Concen: 0.429 ng
RT: 17.30 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:178 Resp: 39918

Ion	Ratio	Lower	Upper
178	100		
176	16.3	15.0	22.4
179	17.3	12.7	19.1

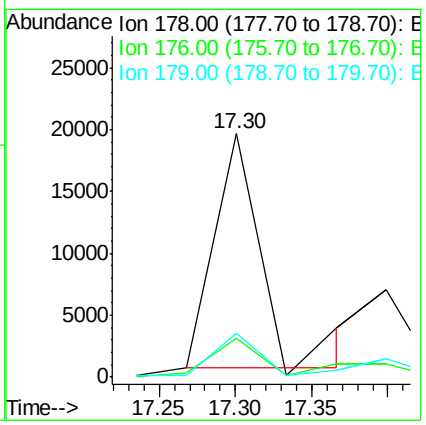


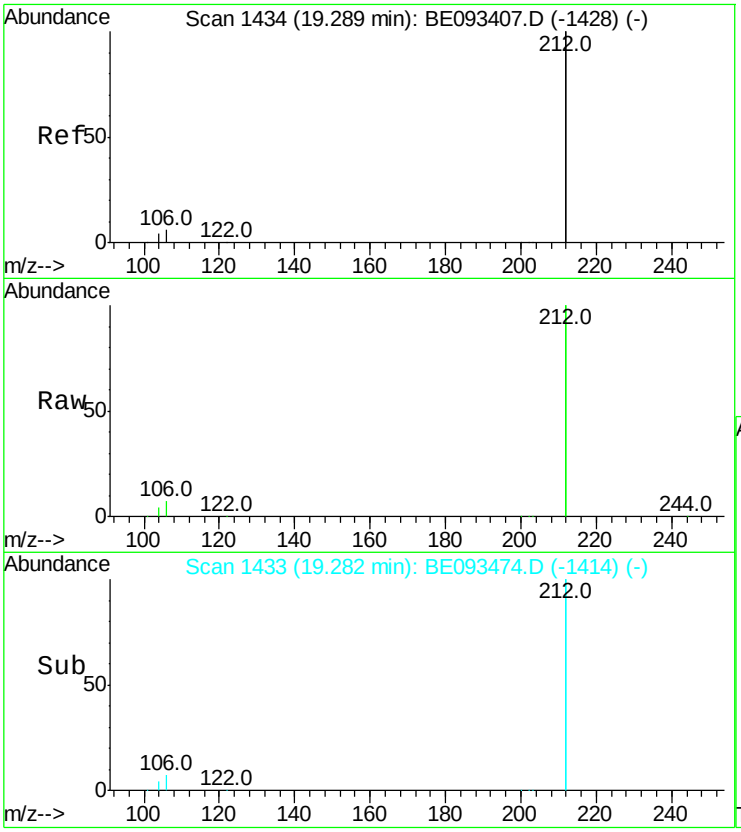


#24
Anthracene
Concen: 0.736 ng
RT: 17.30 min Scan# 1245
Delta R.T. -0.10 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:178 Resp: 41969

Ion	Ratio	Lower	Upper
178	100		
176	23.3	14.6	22.0#
179	17.2	12.0	18.0



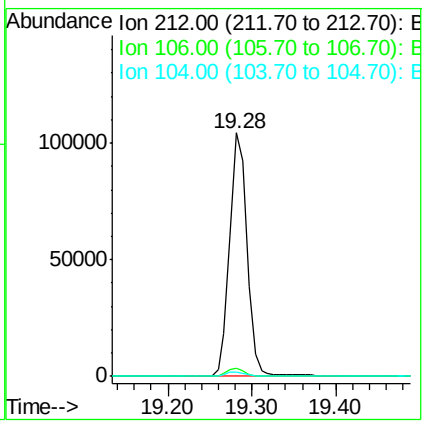


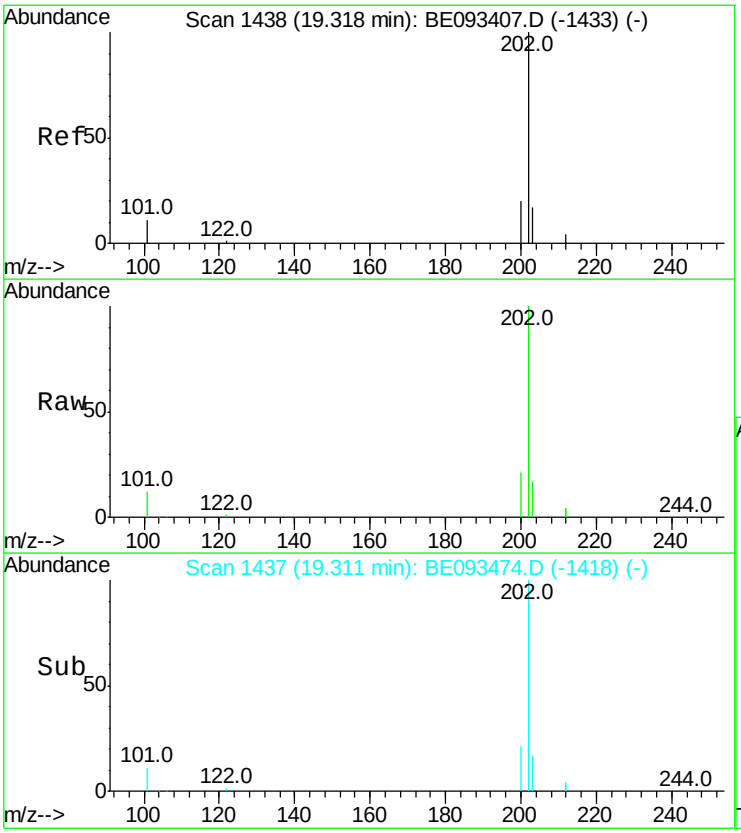
#25
Fluoranthene-d10
Concen: 0.478 ng
RT: 19.28 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:212 Resp: 147510

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.4	3.6
104	2.0	1.6	2.4

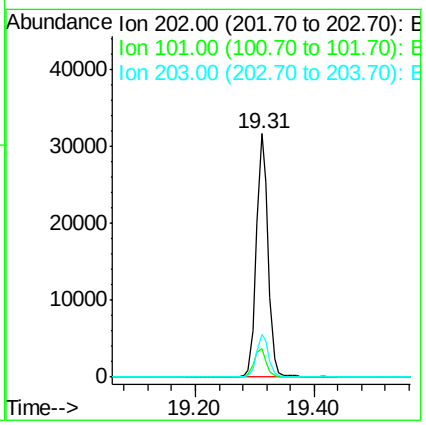


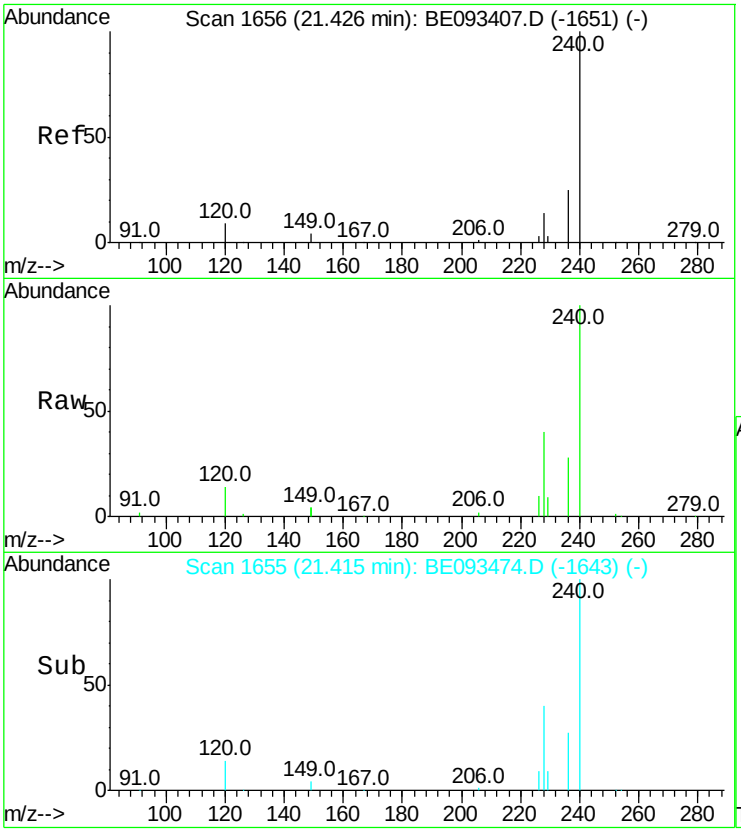


#26
Fluoranthene
Concen: 0.499 ng
RT: 19.31 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:202 Resp: 43589

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.6	14.4
203	17.2	14.4	21.6



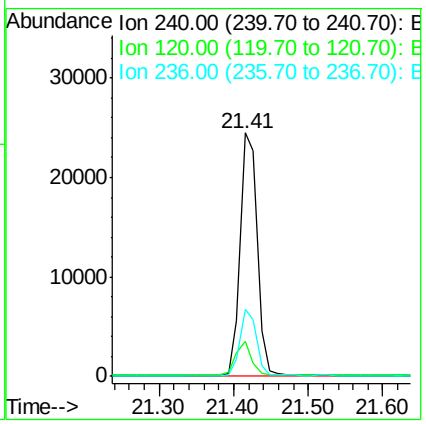


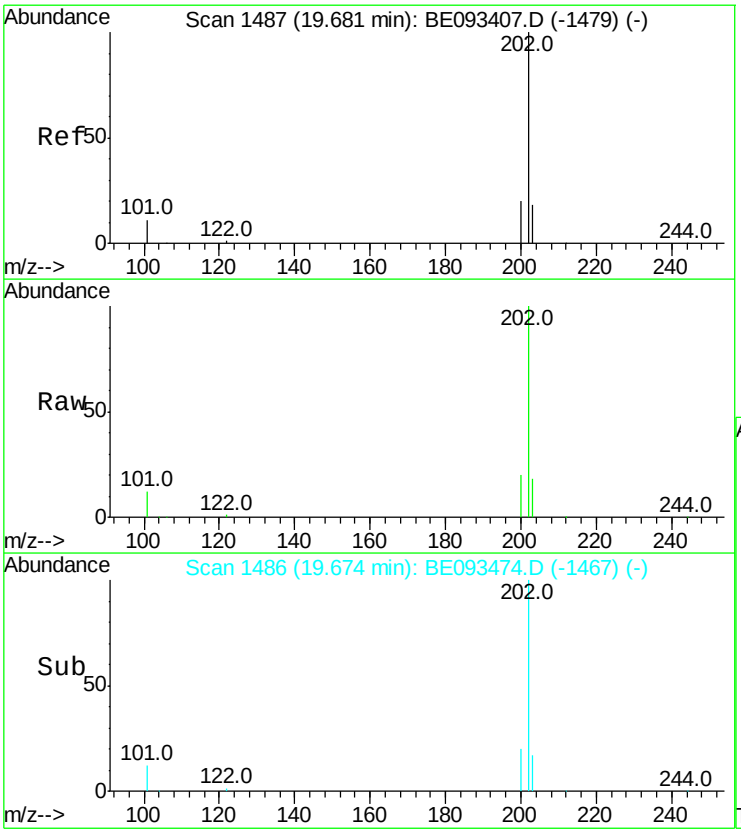
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:240 Resp: 39196

Ion	Ratio	Lower	Upper
240	100		
120	14.2	4.6	7.0#
236	27.5	20.8	31.2

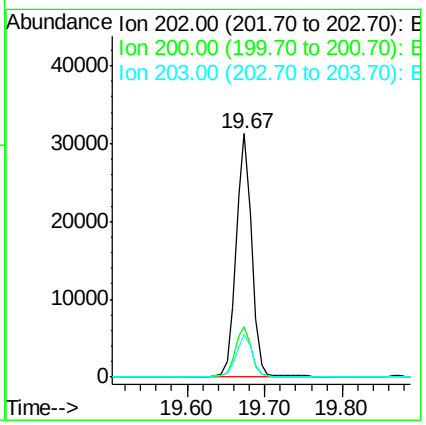


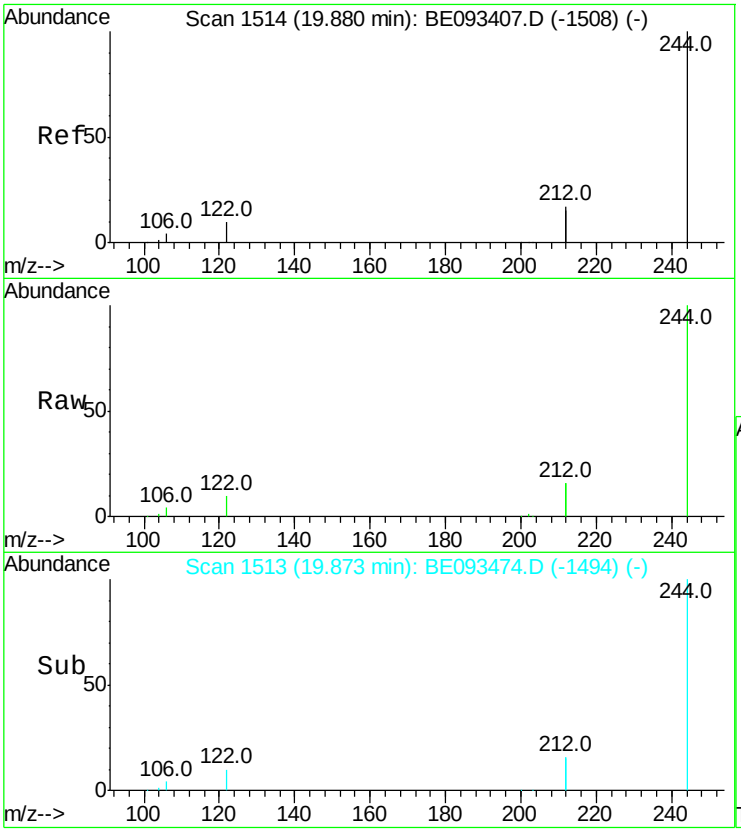


#28
Pyrene
Concen: 0.391 ng
RT: 19.67 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:202 Resp: 43111

Ion	Ratio	Lower	Upper
202	100		
200	21.1	0.0	0.0#
203	18.0	13.7	20.5



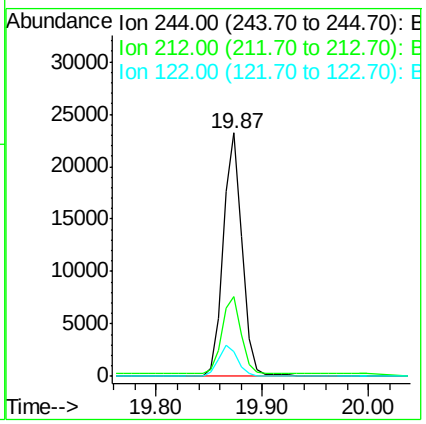


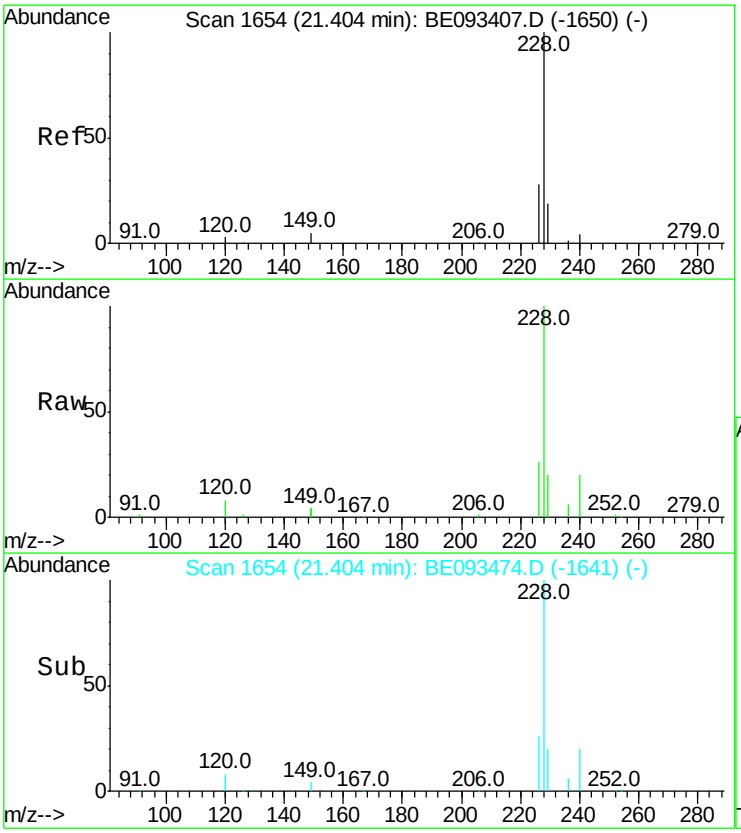
#29
Terphenyl-d14
Concen: 0.412 ng
RT: 19.87 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:244 Resp: 28864

Ion	Ratio	Lower	Upper
244	100		
212	32.7	10.6	16.0#
122	10.2	15.4	23.0#

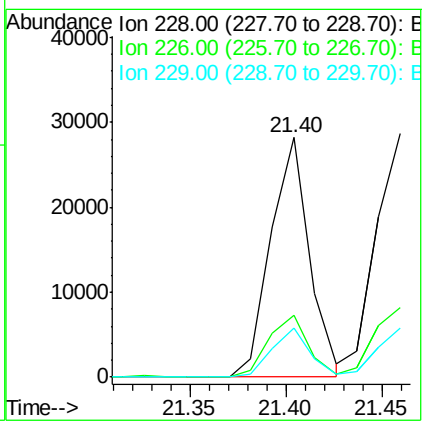


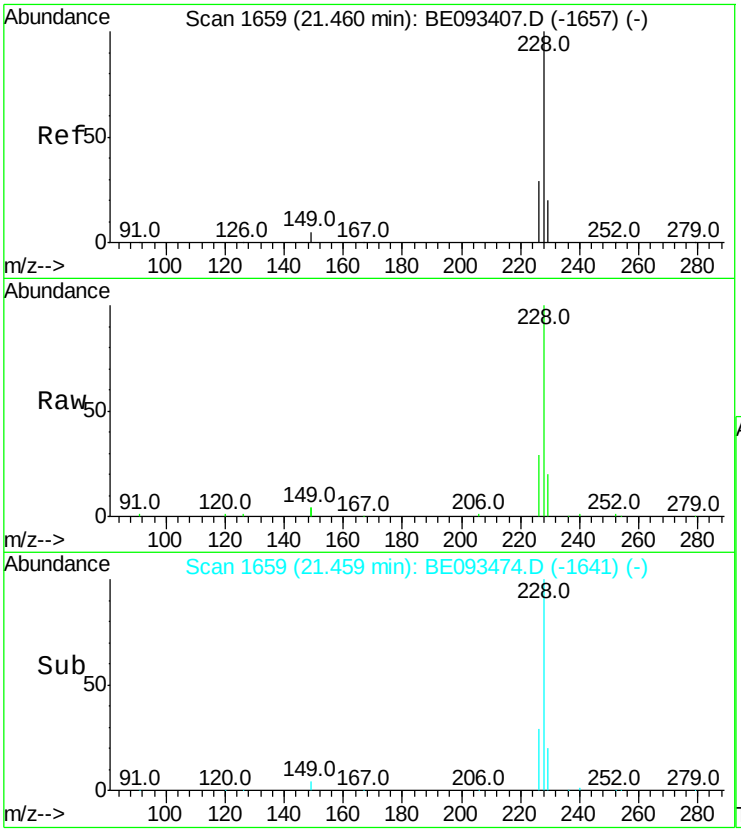


#30
Benzo(a)anthracene
Concen: 0.373 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:228 Resp: 39462

Ion	Ratio	Lower	Upper
228	100		
226	26.1	19.7	29.5
229	20.2	19.2	28.8



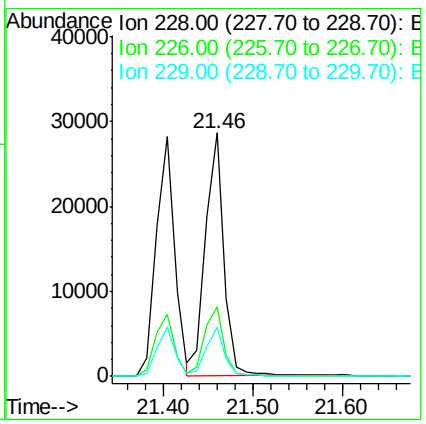


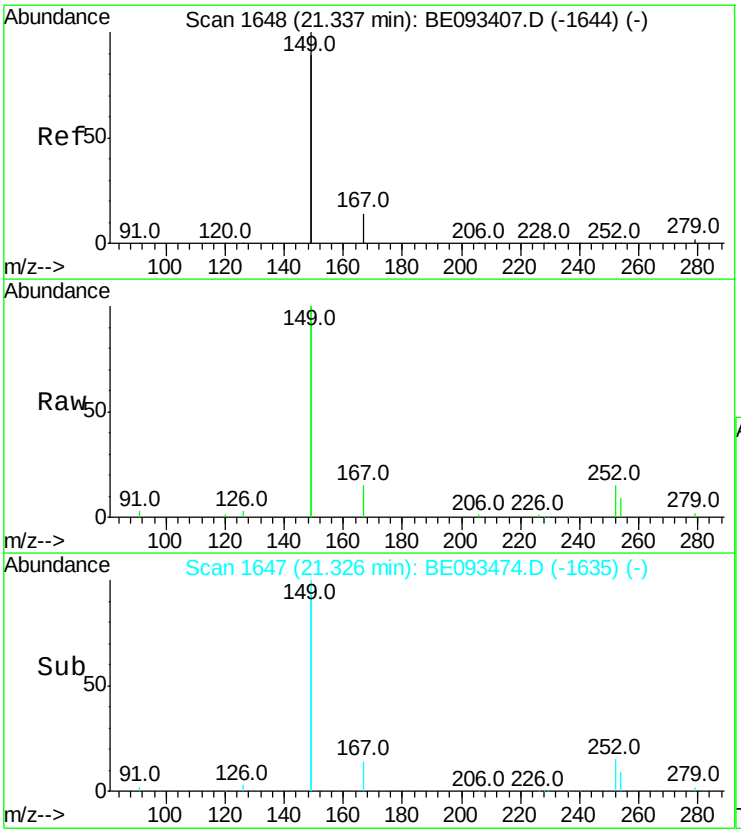
#31
Chrysene
Concen: 0.371 ng
RT: 21.46 min Scan# 1659
Delta R.T. -0.00 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:228 Resp: 41036

Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.5	32.3
229	20.0	18.6	28.0

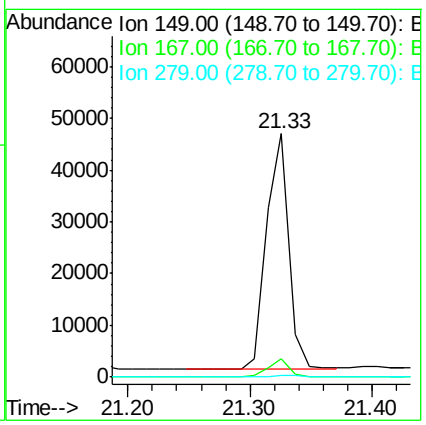


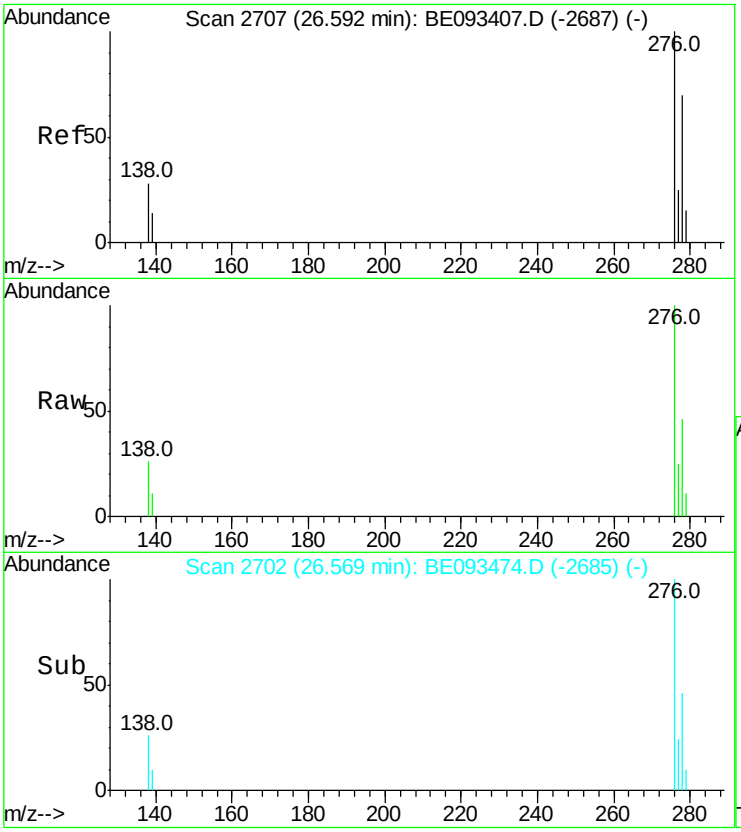


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.382 ng
RT: 21.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:149 Resp: 58224

Ion	Ratio	Lower	Upper
149	100		
167	6.8	20.1	30.1#
279	0.9	2.2	3.4#



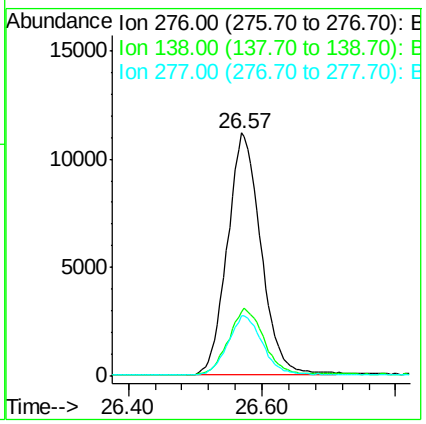


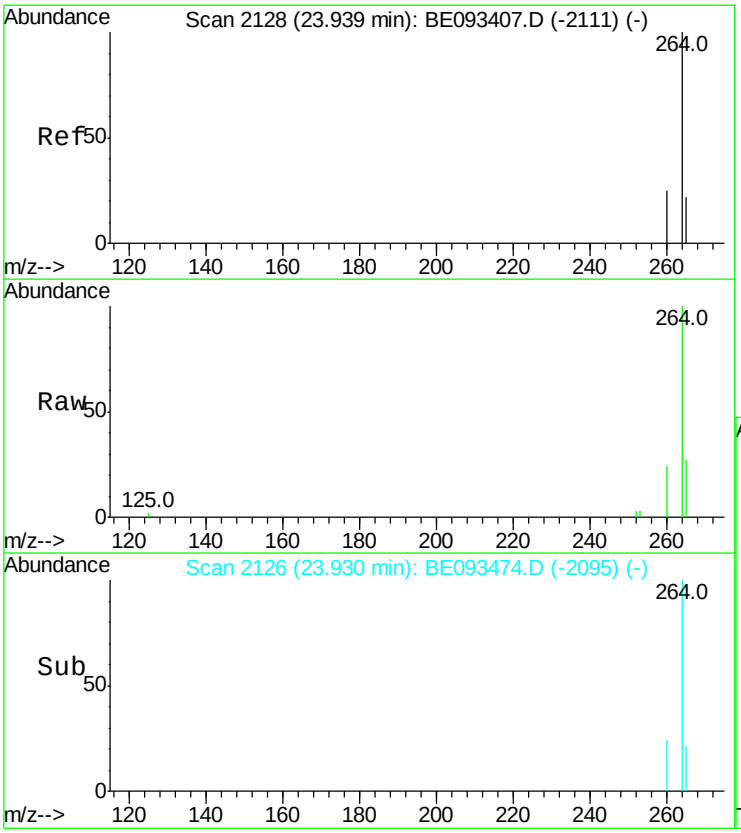
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.401 ng
RT: 26.57 min Scan# 2702
Delta R.T. -0.02 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:276 Resp: 39001

Ion	Ratio	Lower	Upper
276	100		
138	28.4	27.4	41.2
277	24.9	20.1	30.1

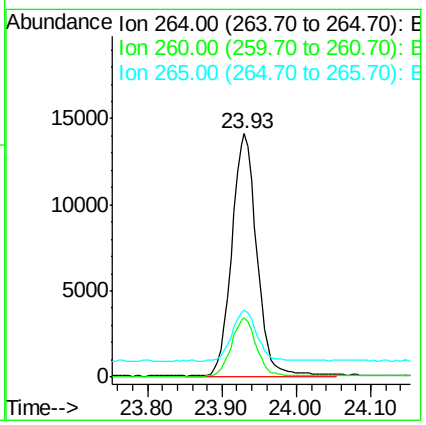


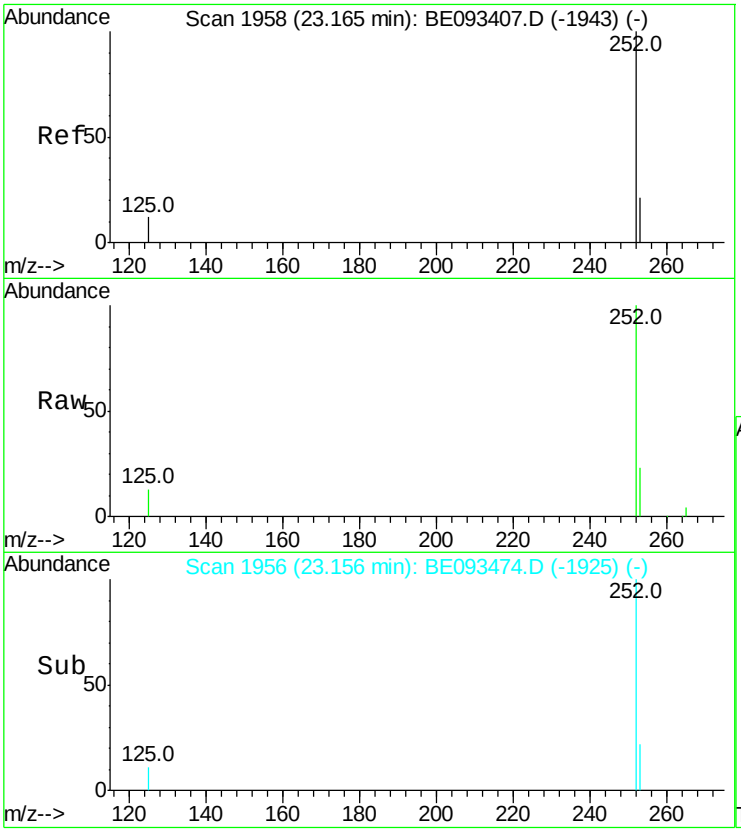


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:264 Resp: 32604

Ion	Ratio	Lower	Upper
264	100		
260	24.2	21.0	31.4
265	27.3	24.6	36.8



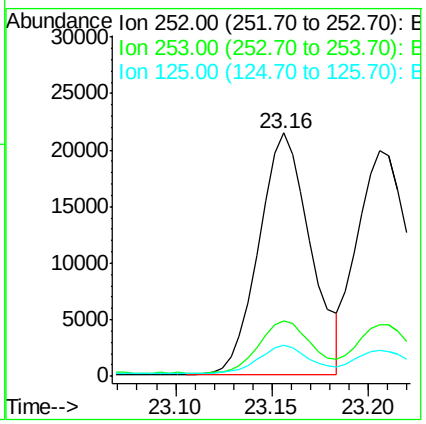


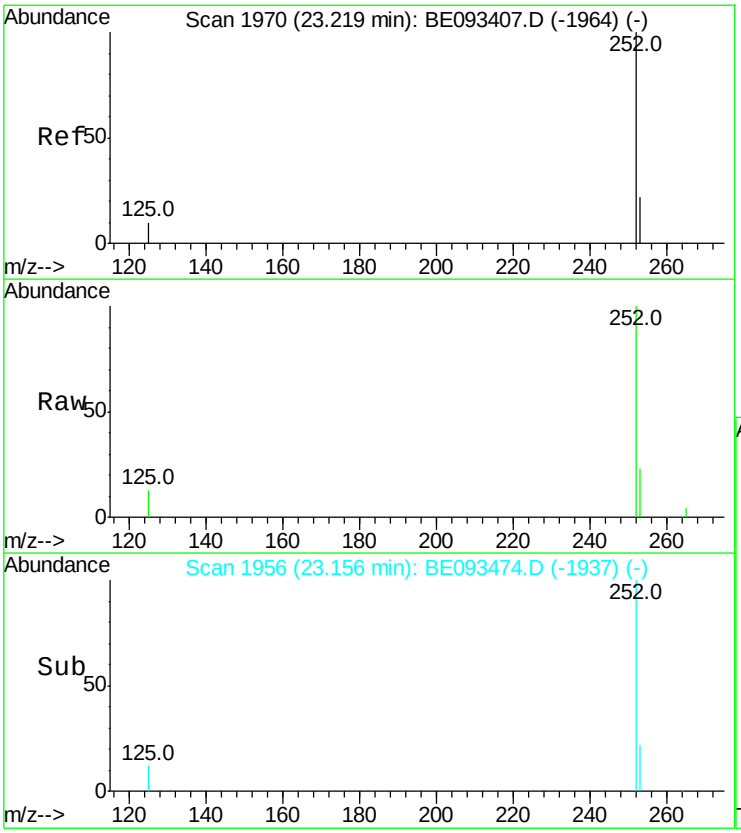
#35
Benzo(b)fluoranthene
Concen: 0.378 ng
RT: 23.16 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:252 Resp: 39784

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	12.5	13.4	20.0#

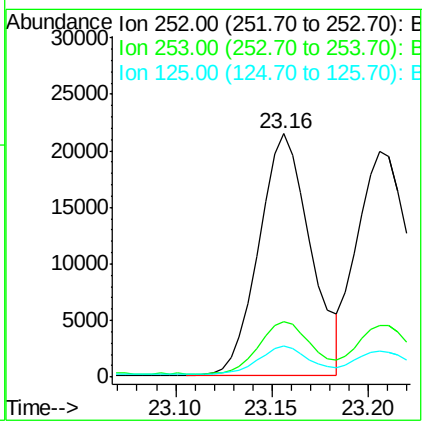


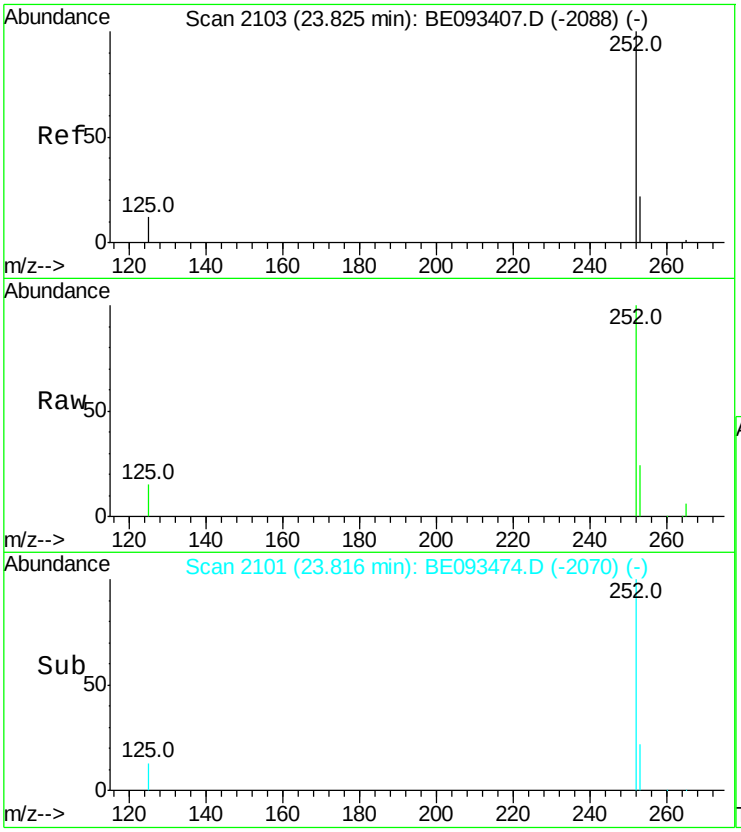


#36
Benzo(k)fluoranthene
Concen: 0.382 ng
RT: 23.16 min Scan# 1956
Delta R.T. -0.06 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:252 Resp: 39784

Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.3	30.5
125	12.5	12.2	18.4



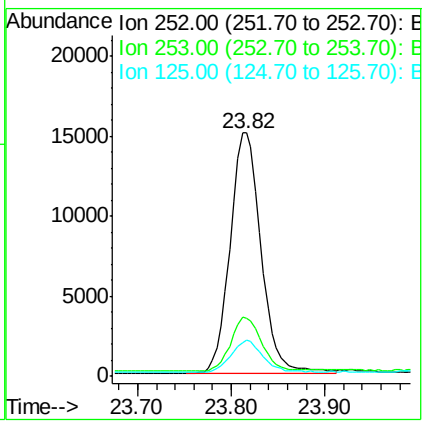


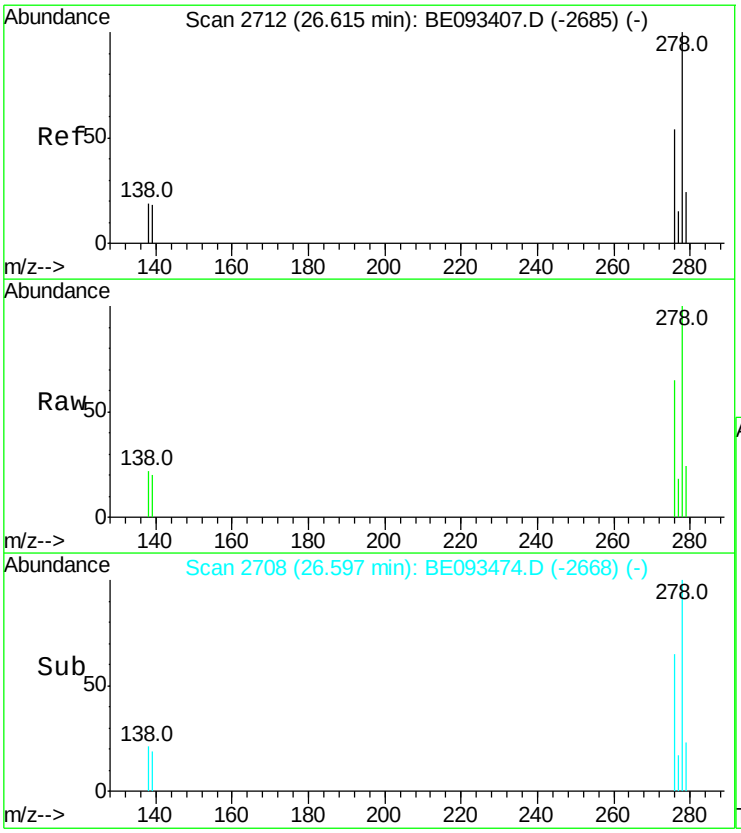
#37
Benzo(a)pyrene
Concen: 0.375 ng
RT: 23.82 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:252 Resp: 34628

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.9	29.9
125	14.8	14.6	21.8

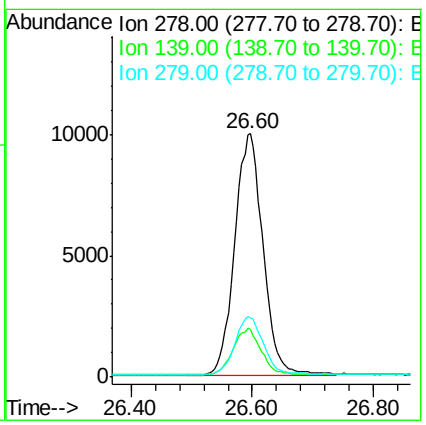


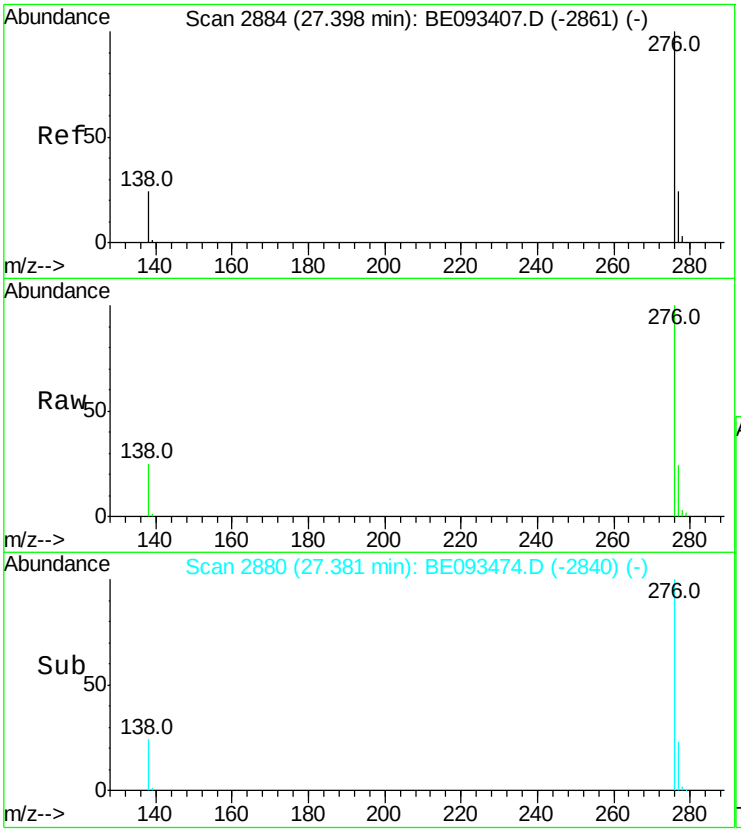


#38
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 26.60 min Scan# 2708
Delta R.T. -0.02 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Tgt Ion:278 Resp: 32567

Ion	Ratio	Lower	Upper
278	100		
139	19.7	21.4	32.0#
279	24.3	22.2	33.2





#39
Benzo(g,h,i)perylene
Concen: 0.370 ng
RT: 27.38 min Scan# 2880
Delta R.T. -0.02 min
Lab File: BE093474.D
Acq: 14 Jul 2017 18:02

Instrument :
BNA_E
ClientSampleId :
EFFLUENT-20170710MSD

Tgt Ion:276 Resp: 33433

Ion	Ratio	Lower	Upper
276	100		
277	24.0	21.2	31.8
138	24.9	24.5	36.7