Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
Data File : BE099487.D
Acq On : 2 May 2019 5:47
Operator : JU/SJ
Sample : K2569-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-023-SW028-042319

Manual Integrations APPROVED
Sohil
5/2/2019 4:48:20 PM

Quant Time: May 02 08:54:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2196	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	8635	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	6792	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	19997	0.40	ng		0.00
27) Chrysene-d12	21.37	240	23392	0.40	ng		0.00
34) Perylene-d12	23.87	264	27247	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1645	0.27	ng		0.00
5) Phenol-d6	6.97	99	2466	0.31	ng		0.00
8) Nitrobenzene-d5	8.96	82	2055	0.25	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	3827	0.25	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1022	0.24	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	5797	0.22	ng		-0.02
25) Fluoranthene-d10	19.22	212	54470	0.20	ng		0.00
29) Terphenyl-d14	19.81	244	11375	0.27	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.65	128	4264	0.045	ng	#	95
12) 2-Methylnaphthalene	12.27	142	1181	0.072	ng		97
16) Acenaphthylene	14.18	152	8378	0.252	ng		97
17) Acenaphthene	14.51	154	973	0.051	ng		93
18) Fluorene	15.49	166	4798	0.171	ng		90
23) Phenanthrene	17.23	178	82614	1.601	ng		100
24) Anthracene	17.32	178	8243	0.168	ng		97
26) Fluoranthene	19.25	202	156350	2.023	ng		99
28) Pyrene	19.61	202	187009	3.067	ng		96
30) Benzo(a)anthracene	21.34	228	103852	1.393	ng		97
31) Chrysene	21.40	228	127881	1.753	ng		98
32) Bis(2-ethylhexyl)phthalate	21.27	149	29533	0.209	ng		99
33) Indeno(1,2,3-cd)pyrene	26.51	276	74371	0.863	ng		97
35) Benzo(b)fluoranthene	23.10	252	148332	1.888	ng		98
36) Benzo(k)fluoranthene	23.14	252	49093m	0.648	ng		
37) Benzo(a)pyrene	23.75	252	103657	1.396	ng		98
38) Dibenzo(a,h)anthracene	26.52	278	19971	0.263	ng	#	92
39) Benzo(g,h,i)perylene	27.32	276	78707	1.034	ng		98

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_E
ClientSampleId :
PST-023-SW028-042319

Manual Integrations APPROVED
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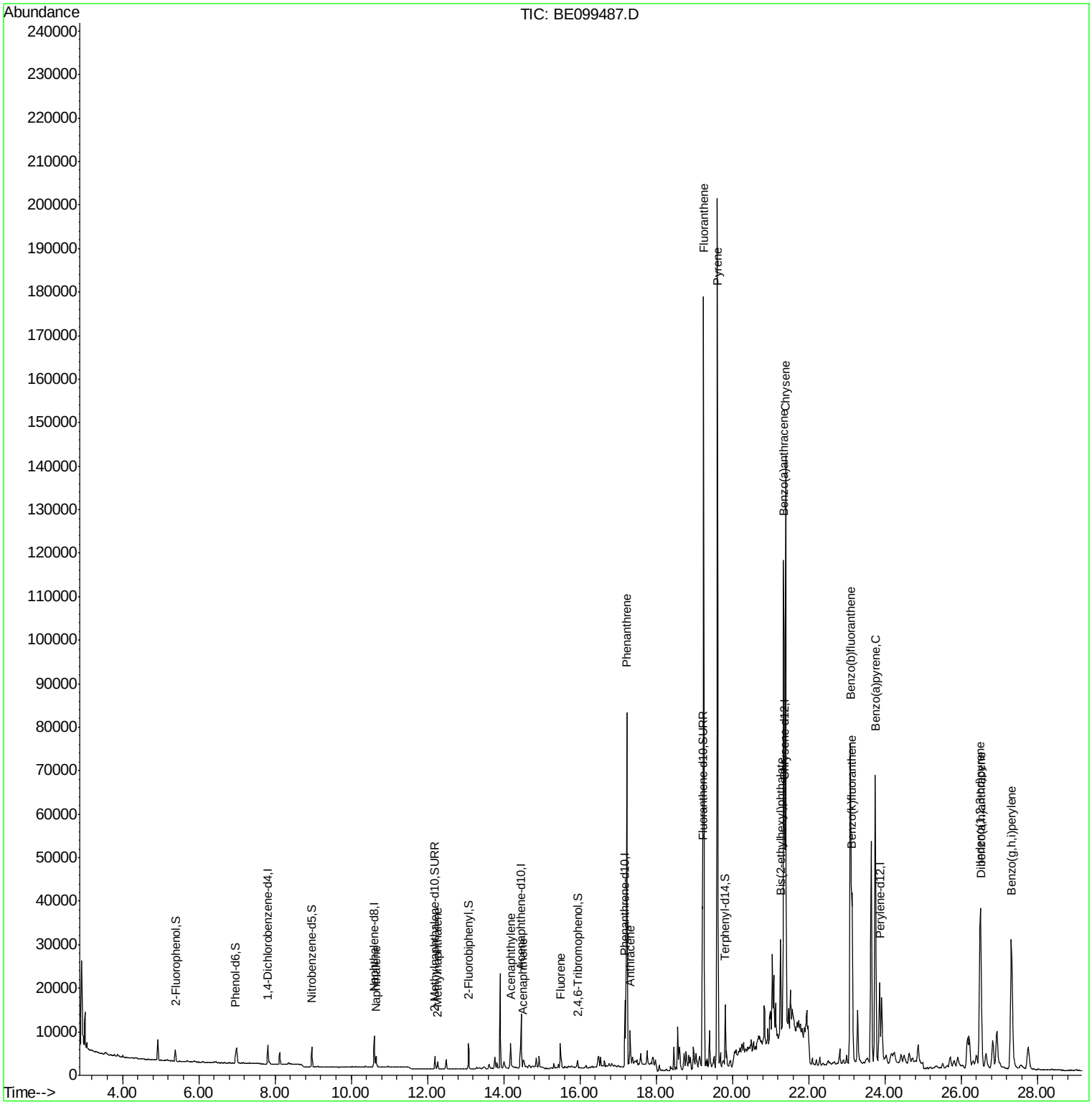
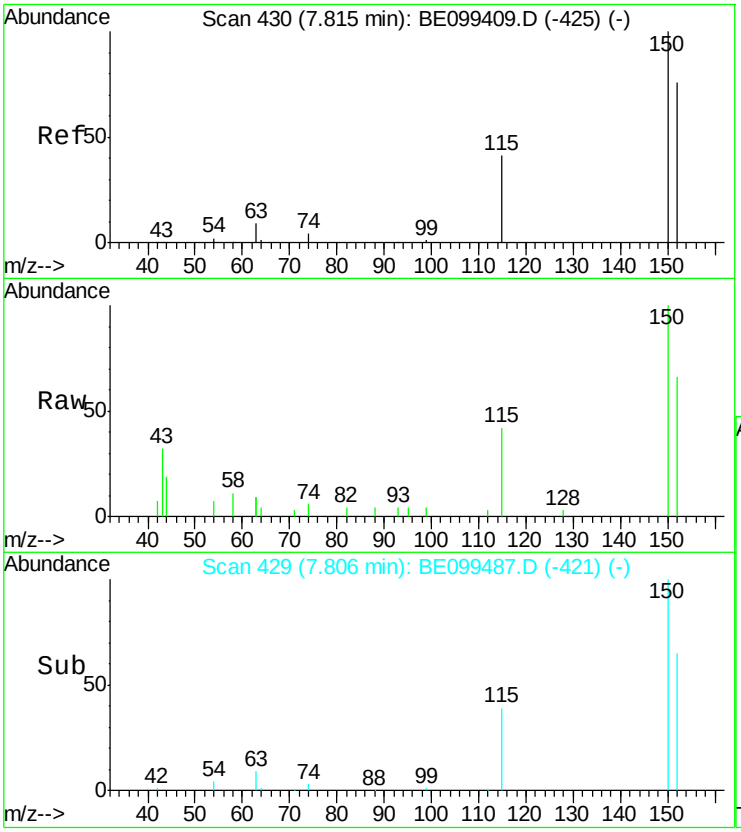
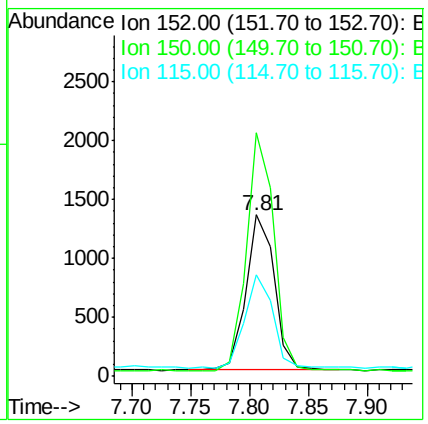




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:152 Resp: 2196

Ion	Ratio	Lower	Upper
152	100		
150	151.0	104.8	157.2
115	63.2	46.6	69.8



Instrument :
BNA_E
ClientSampleId :
PST-023-SW028-042319

Manual Integrations APPROVED
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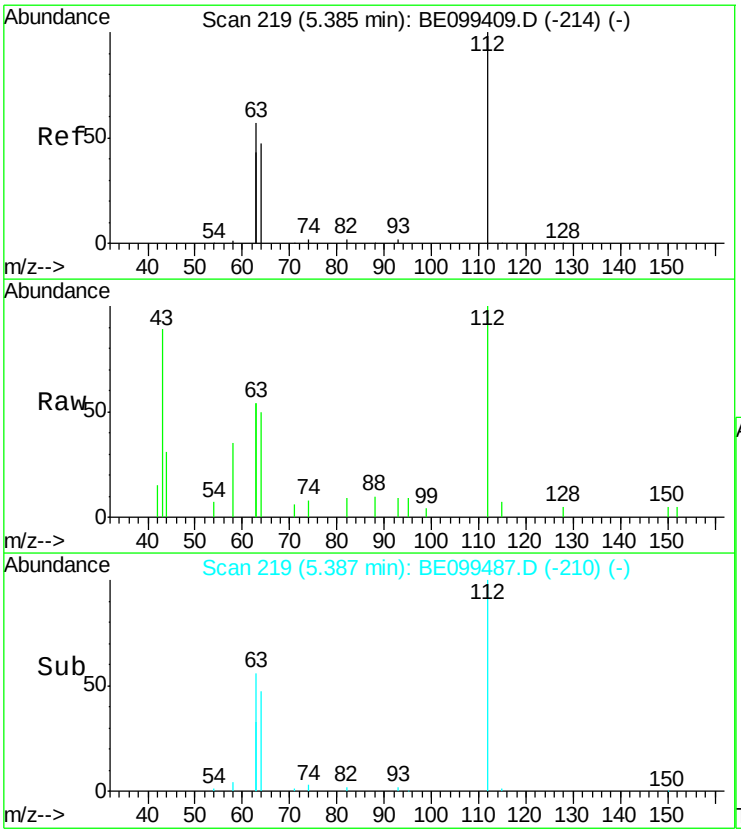
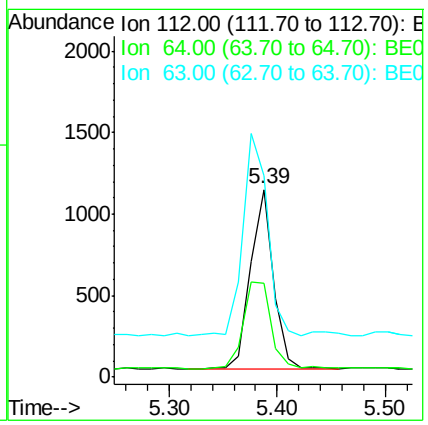
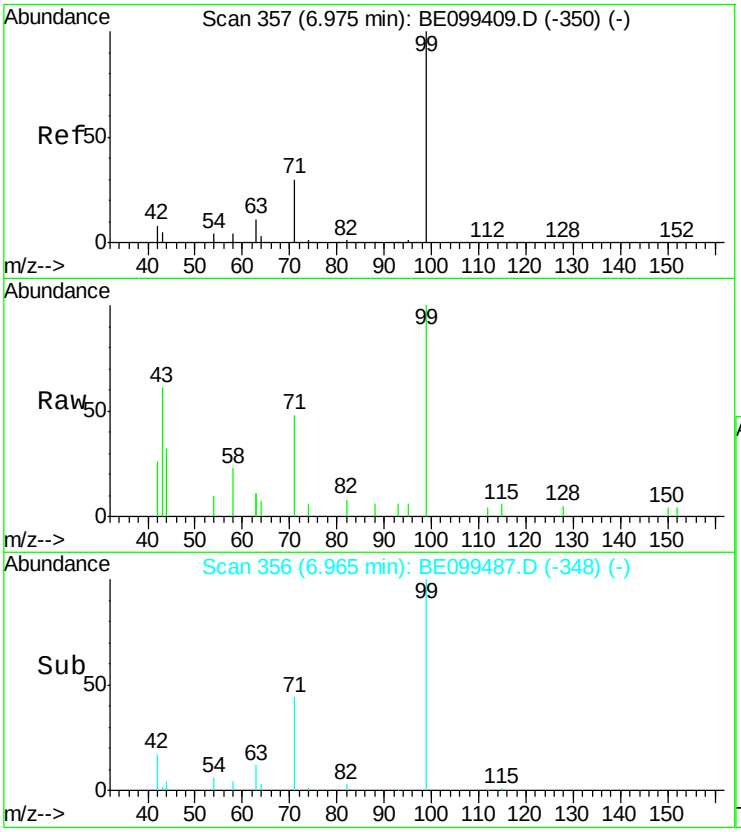


#4
2-Fluorophenol
Concen: 0.271 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:112 Resp: 1645

Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.4	71.0
63	118.5	104.3	156.5

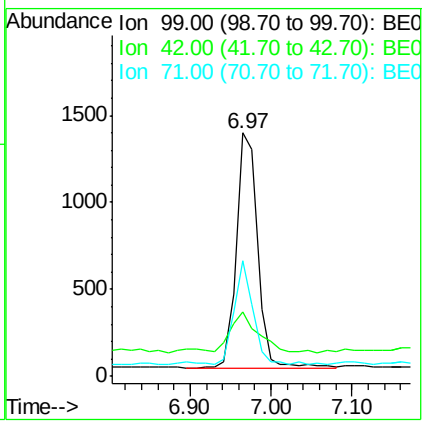




#5
Phenol-d6
Concen: 0.305 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion: 99 Resp: 2466

Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.9	22.3
71	39.6	33.0	49.6



Instrument :
BNA_E
ClientSampleId :
PST-023-SW028-042319

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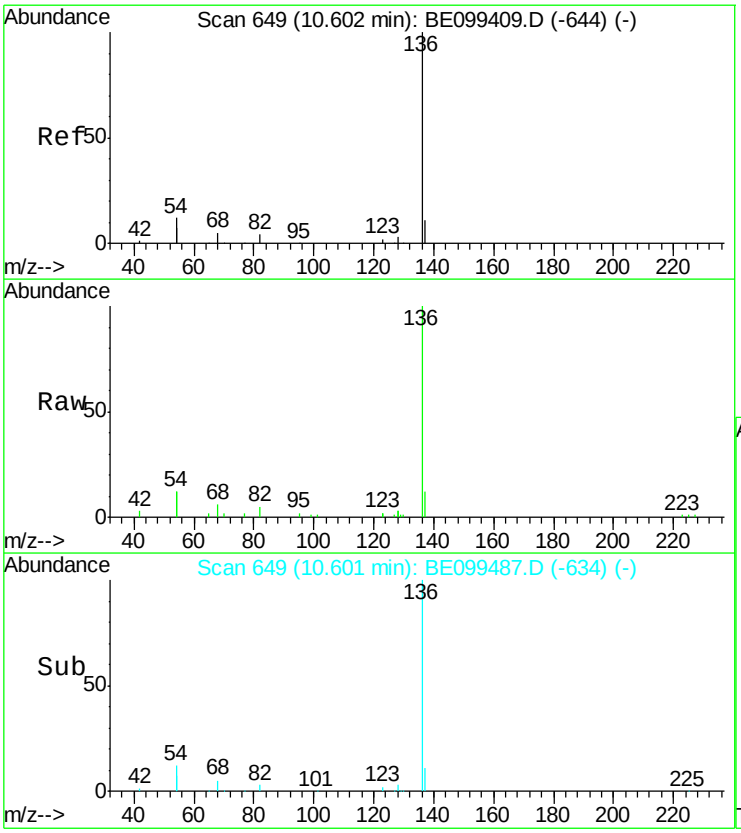
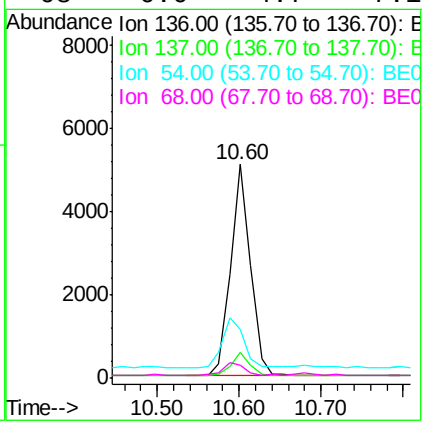
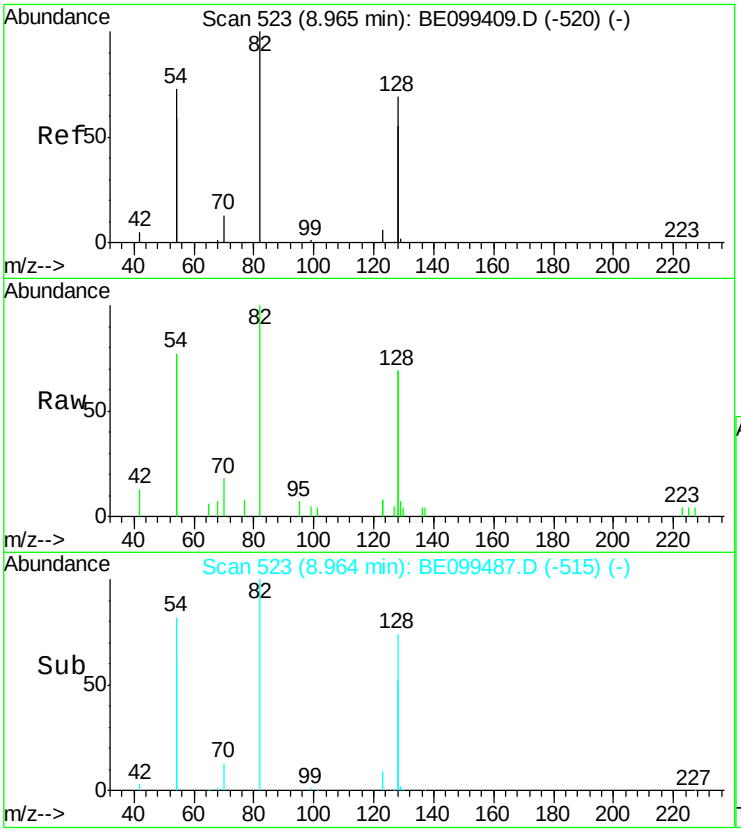


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:136 Resp: 8635

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	23.0	18.5	27.7
68	6.0	4.7	7.1

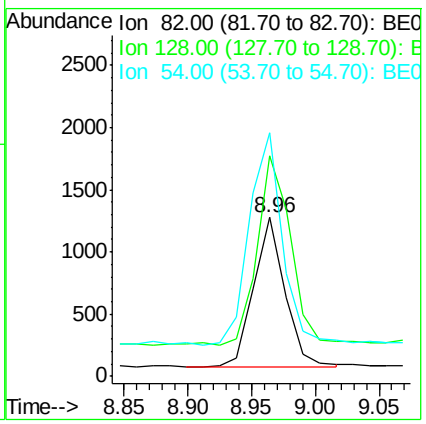




#8
Nitrobenzene-d5
Concen: 0.254 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion: 82 Resp: 2055

Ion	Ratio	Lower	Upper
82	100		
128	138.5	107.0	160.4
54	153.2	113.1	169.7



Instrument :
BNA_E
ClientSampleId :
PST-023-SW028-042319

Manual Integrations APPROVED
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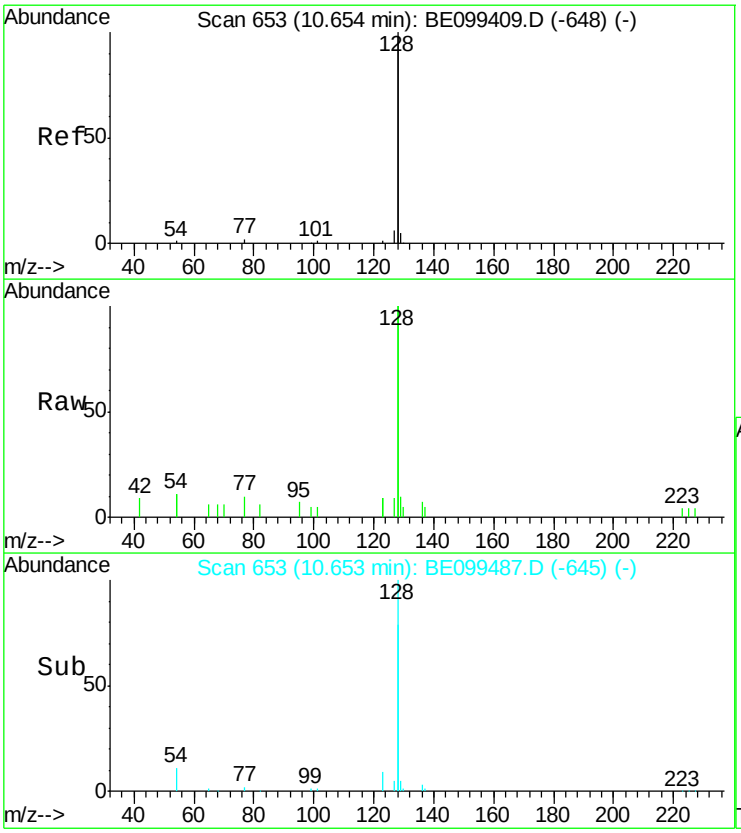
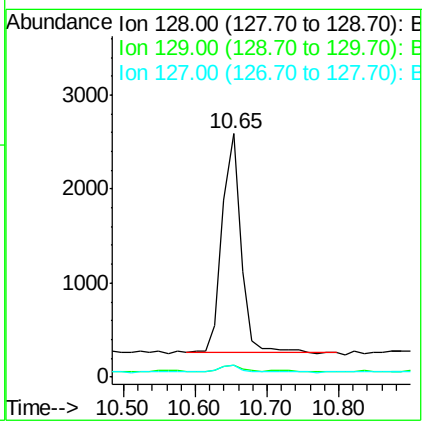
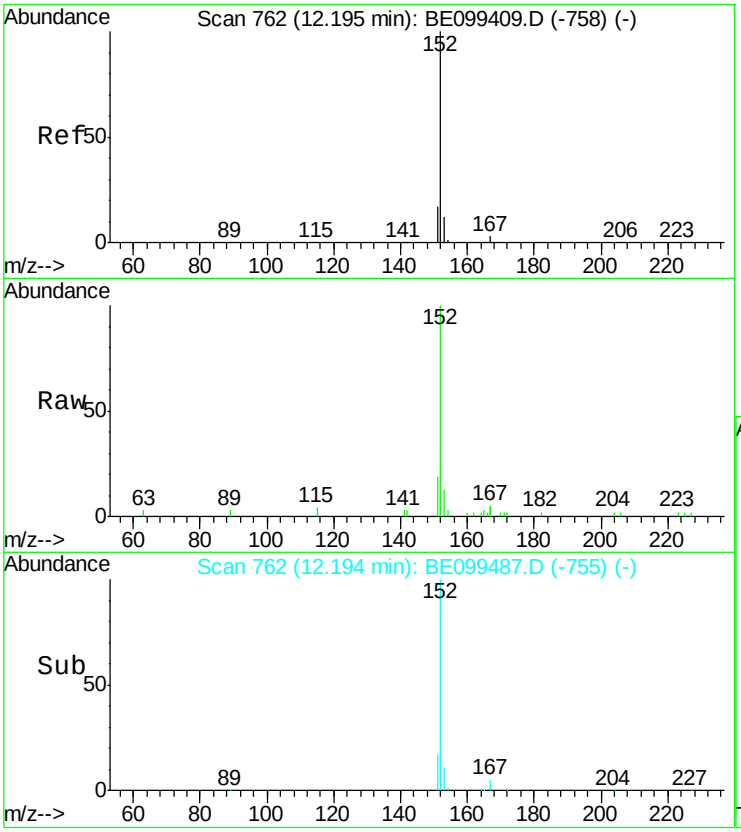


#9
Naphthalene
Concen: 0.045 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:128 Resp: 4264

Ion	Ratio	Lower	Upper
128	100		
129	4.9	2.4	3.6#
127	4.7	2.8	4.2#

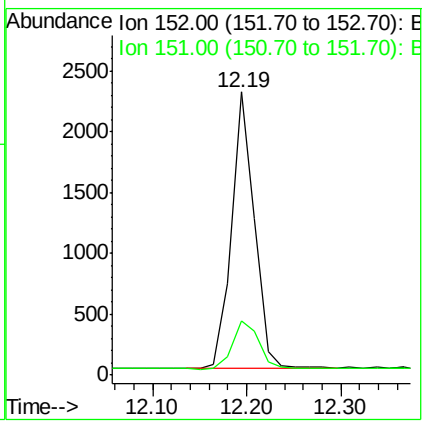




#11
2-Methylnaphthalene-d10
Concen: 0.246 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:152 Resp: 3827

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3



Instrument :
BNA_E
ClientSampleId :
PST-023-SW028-042319

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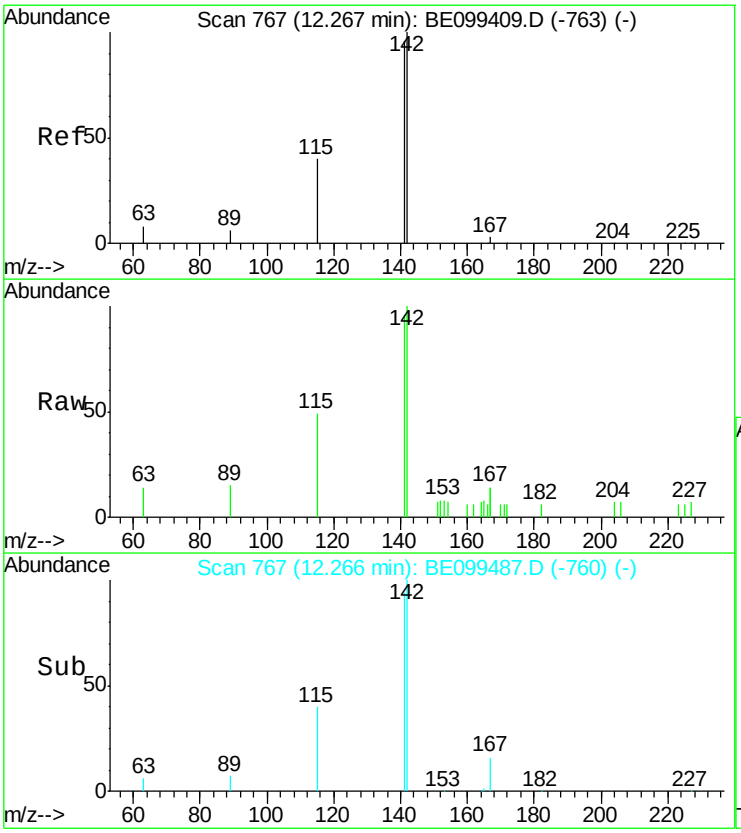
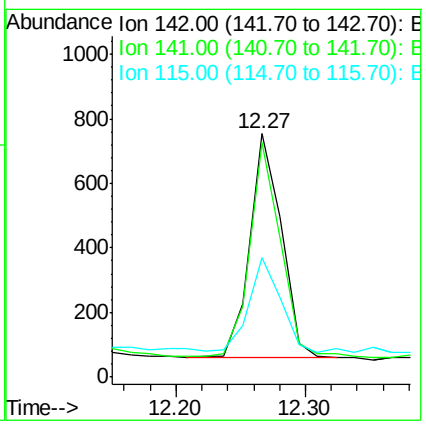
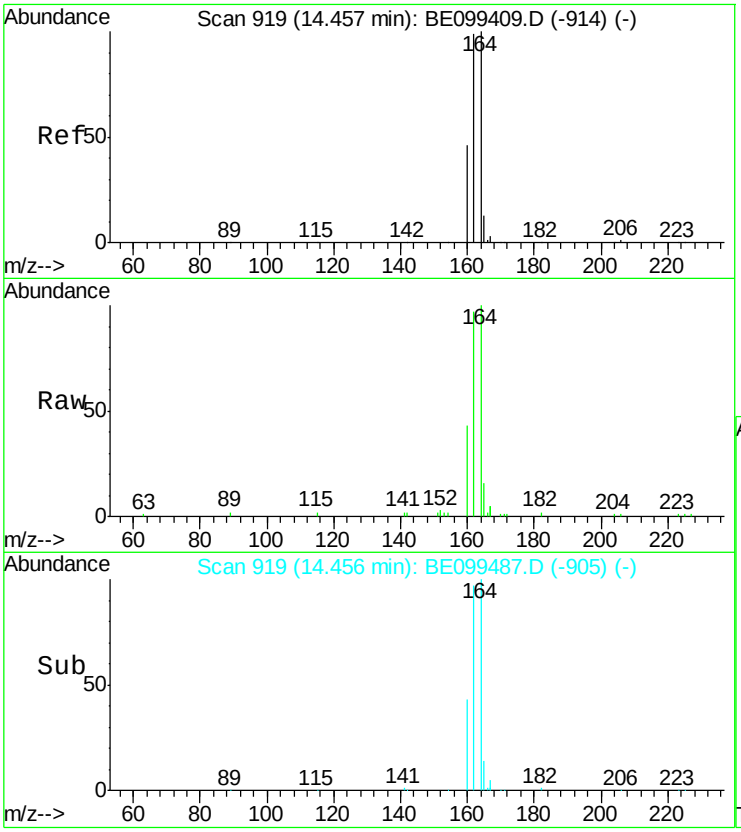


#12
2-Methylnaphthalene
Concen: 0.072 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:142 Resp: 1181

Ion	Ratio	Lower	Upper
142	100		
141	96.3	77.0	115.4
115	48.8	33.4	50.0

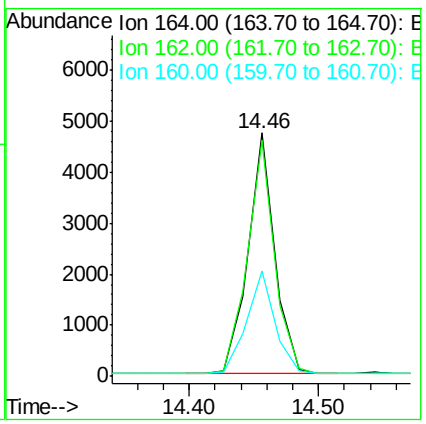




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:164 Resp: 6792

Ion	Ratio	Lower	Upper
164	100		
162	97.1	79.0	118.4
160	43.3	37.0	55.4



Instrument :
BNA_E
ClientSampleId :
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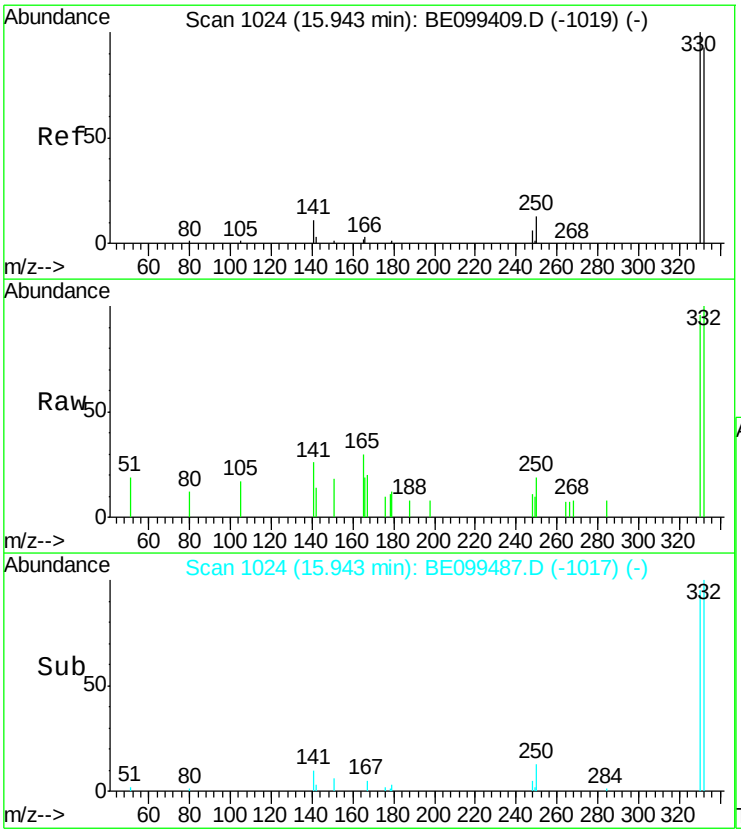
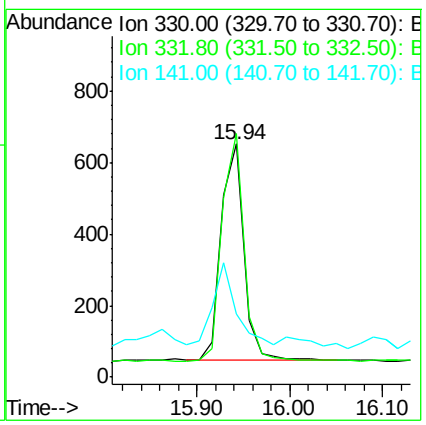
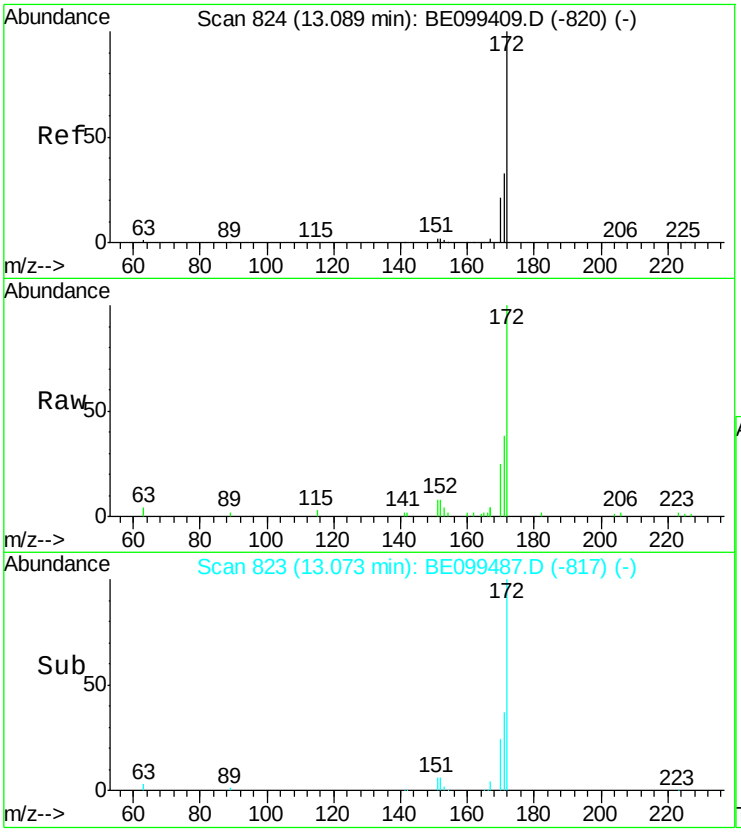


#14
2,4,6-Tribromophenol
Concen: 0.239 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:330 Resp: 1022

Ion	Ratio	Lower	Upper
330	100		
332	102.6	71.5	107.3
141	38.6	24.0	36.0#

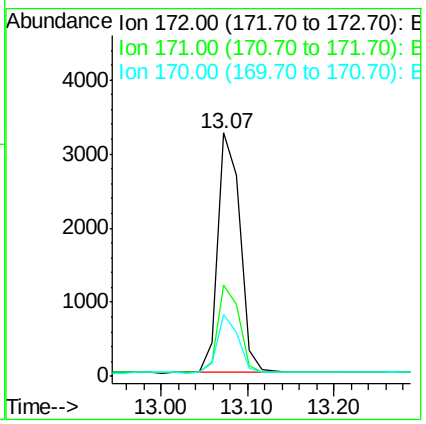




#15
2-Fluorobiphenyl
Concen: 0.224 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:172 Resp: 5797

Ion	Ratio	Lower	Upper
172	100		
171	37.5	26.6	39.8
170	25.3	17.0	25.6



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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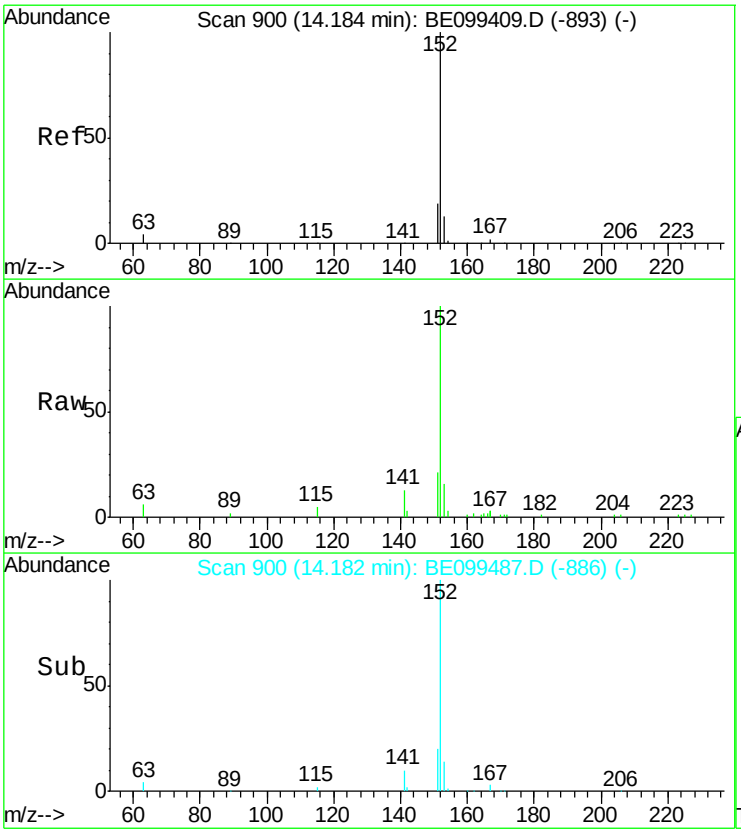
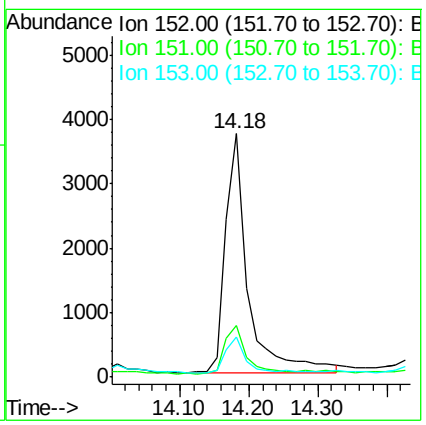
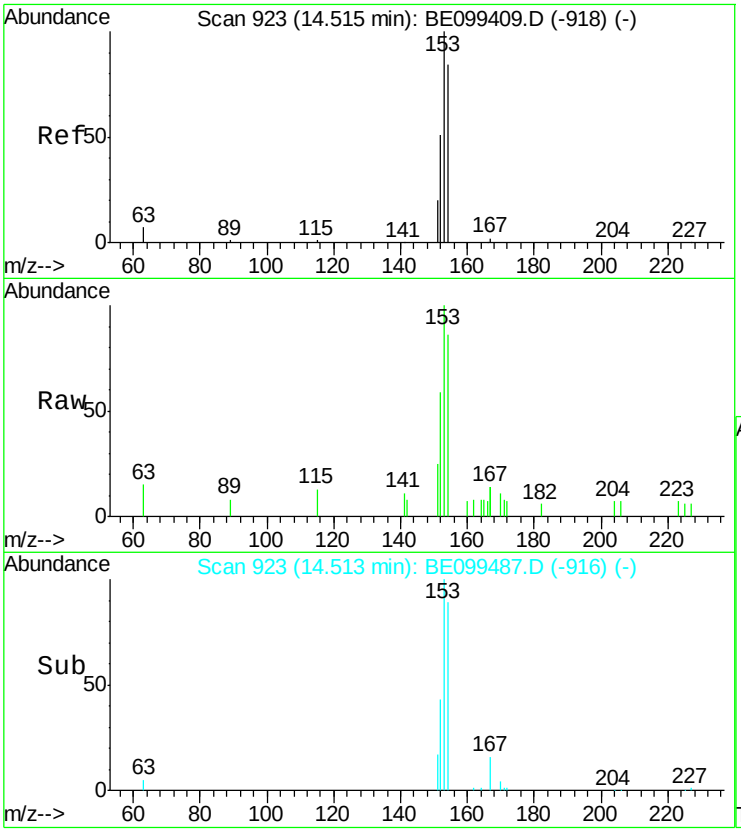


#16
Acenaphthylene
Concen: 0.252 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:152 Resp: 8378

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	14.2	9.8	14.6

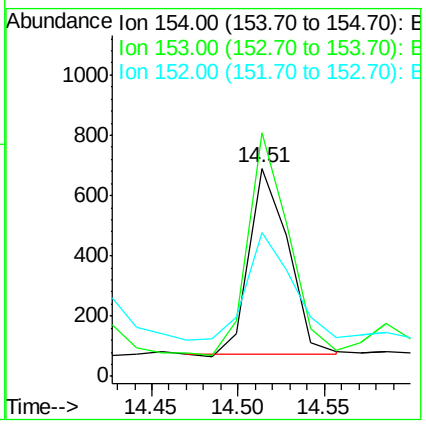




#17
Acenaphthene
Concen: 0.051 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:154 Resp: 973

Ion	Ratio	Lower	Upper
154	100		
153	119.3	92.6	138.8
152	67.2	45.8	68.8



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Manual Integrations APPROVED
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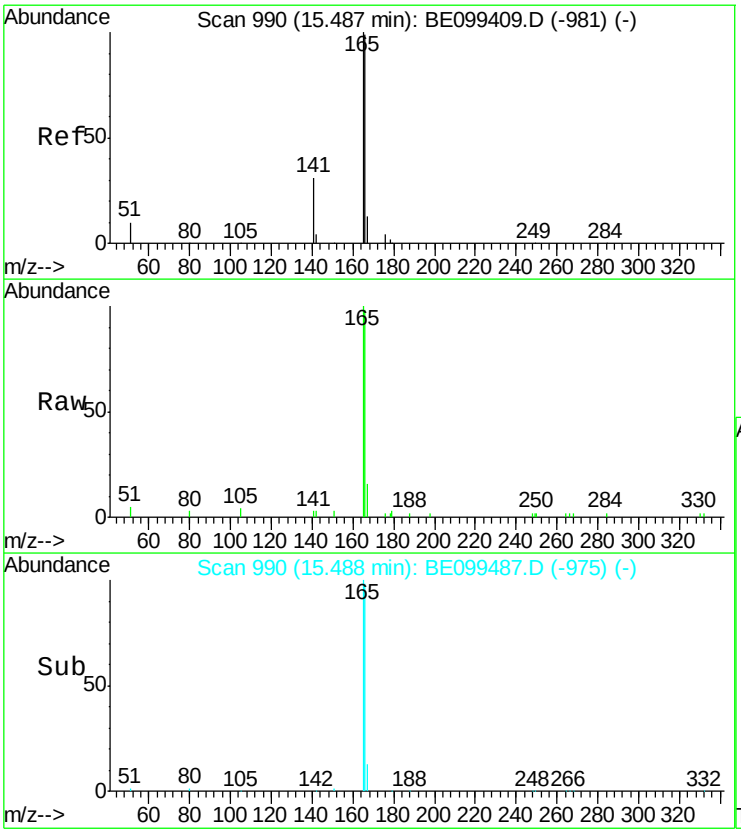
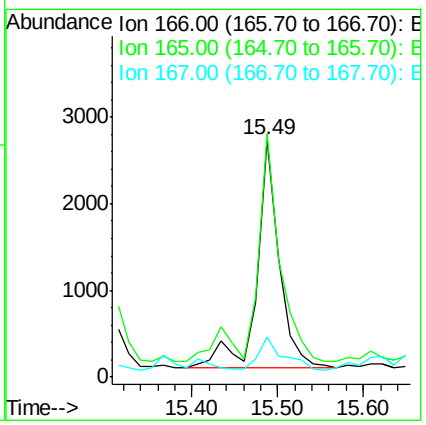
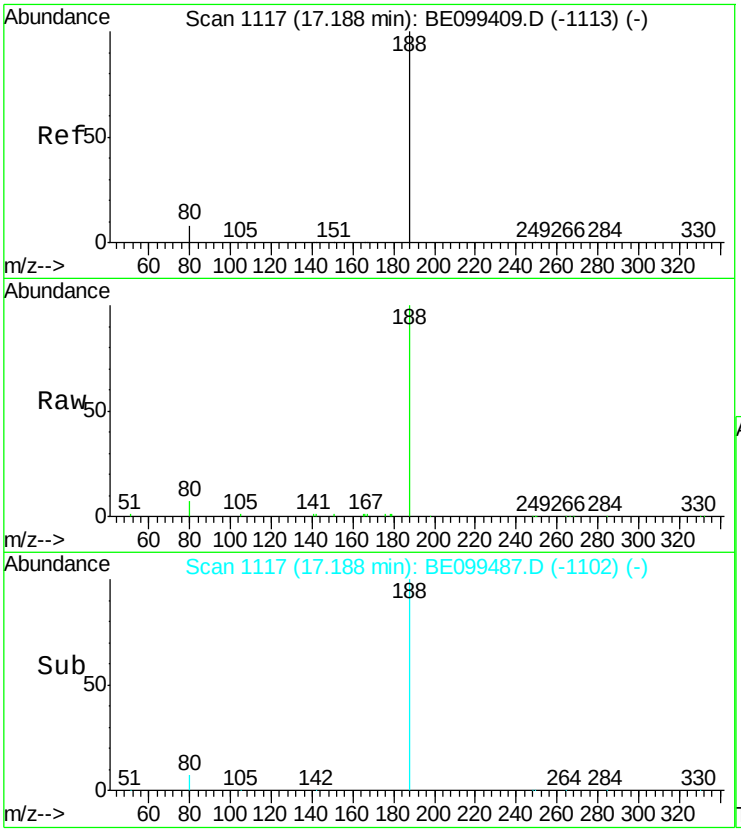


#18
Fluorene
Concen: 0.171 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:166 Resp: 4798

Ion	Ratio	Lower	Upper
166	100		
165	90.2	80.3	120.5
167	15.4	10.7	16.1

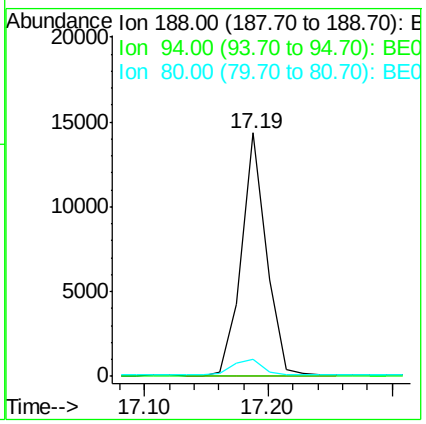




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:188 Resp: 19997

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.1	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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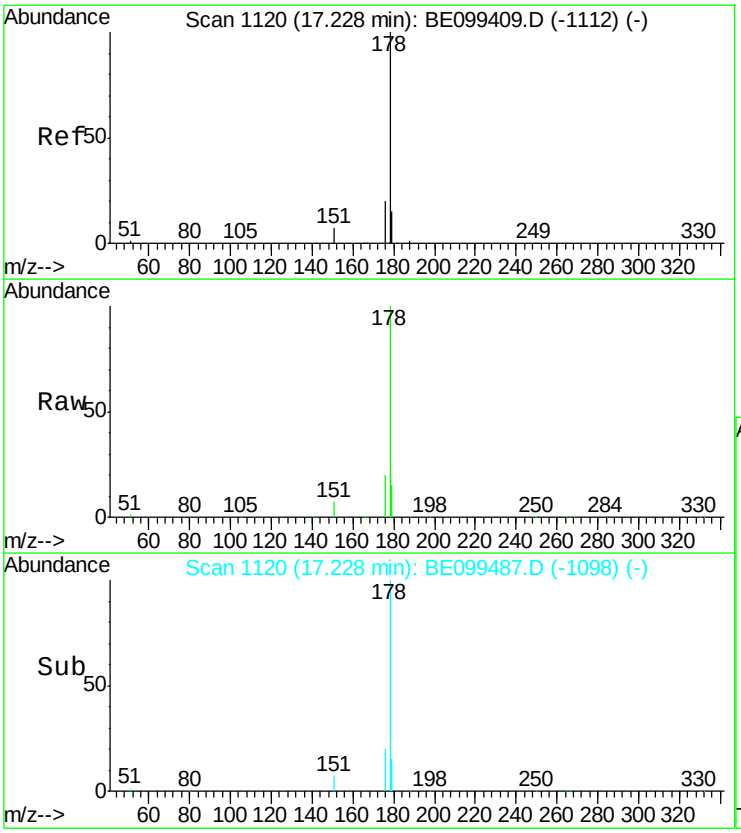
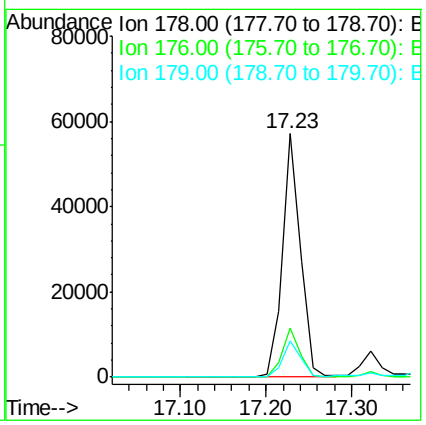
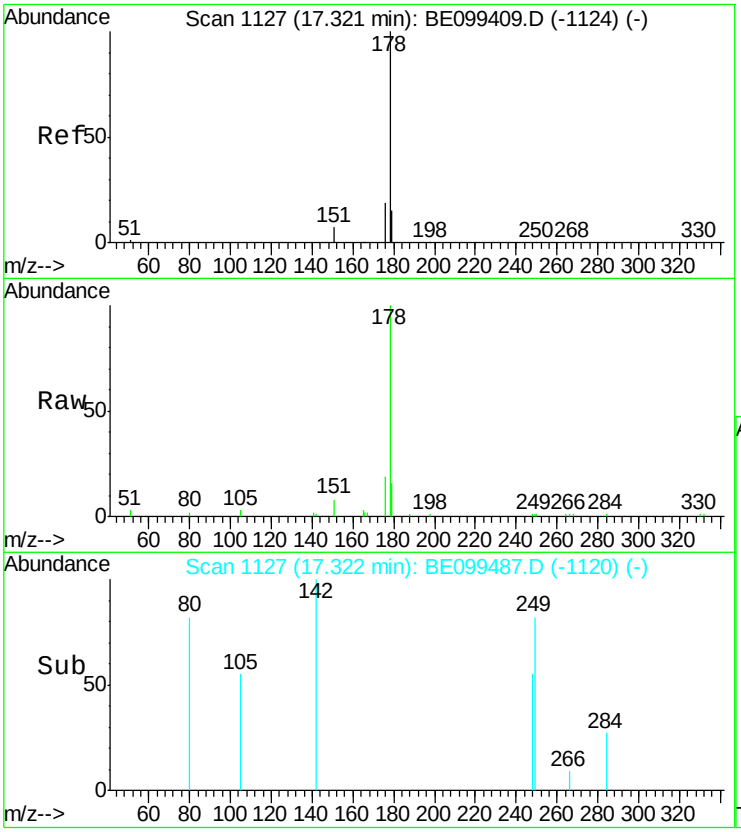


#23
Phenanthrene
Concen: 1.601 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:178 Resp: 82614

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.2	12.0	18.0

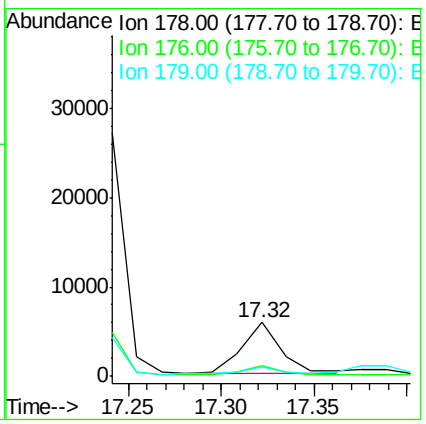




#24
Anthracene
Concen: 0.168 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:178 Resp: 8243

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	17.3	11.9	17.9



Instrument :
BNA_E
ClientSampleId :
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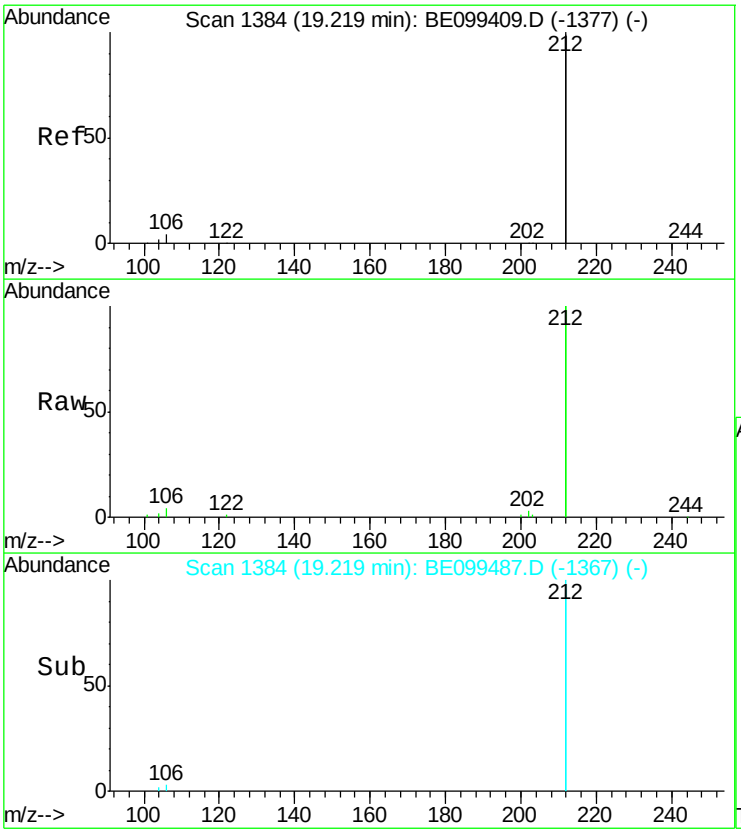
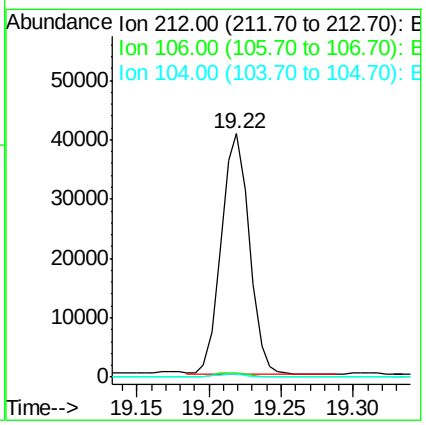
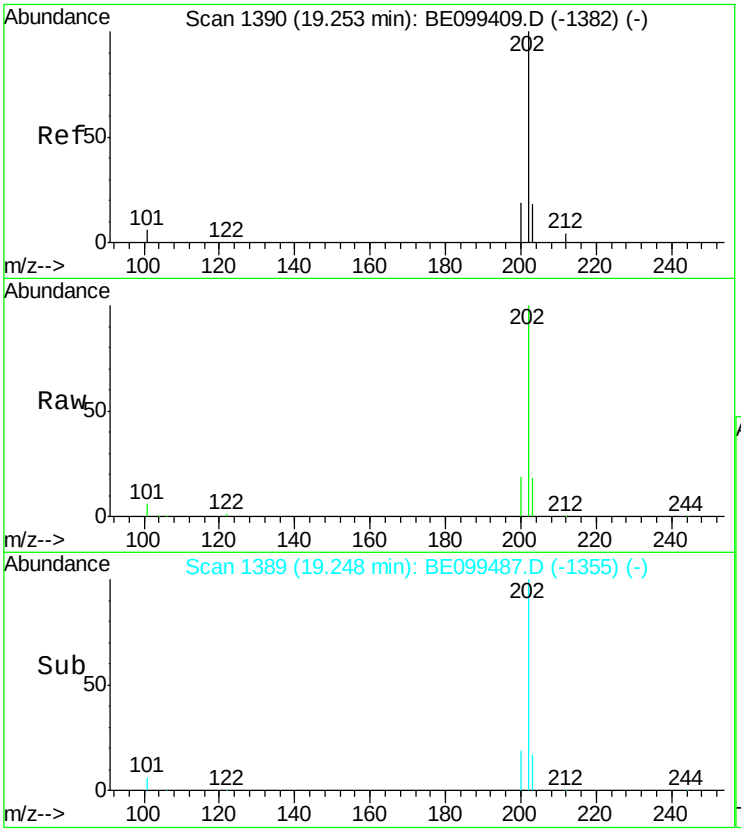


#25
Fluoranthene-d10
Concen: 0.202 ng
RT: 19.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:212 Resp: 54470

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.5	2.3
104	1.2	0.9	1.3

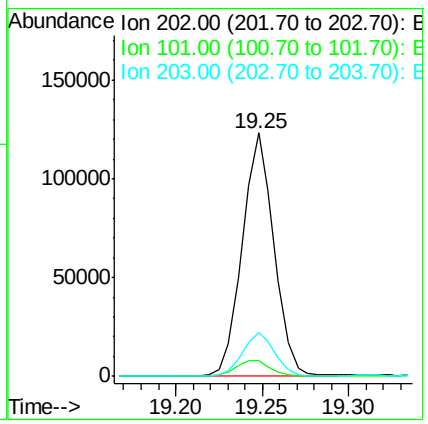




#26
Fluoranthene
Concen: 2.023 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:202 Resp: 156350

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.0
203	17.7	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
PST-023-SW028-042319

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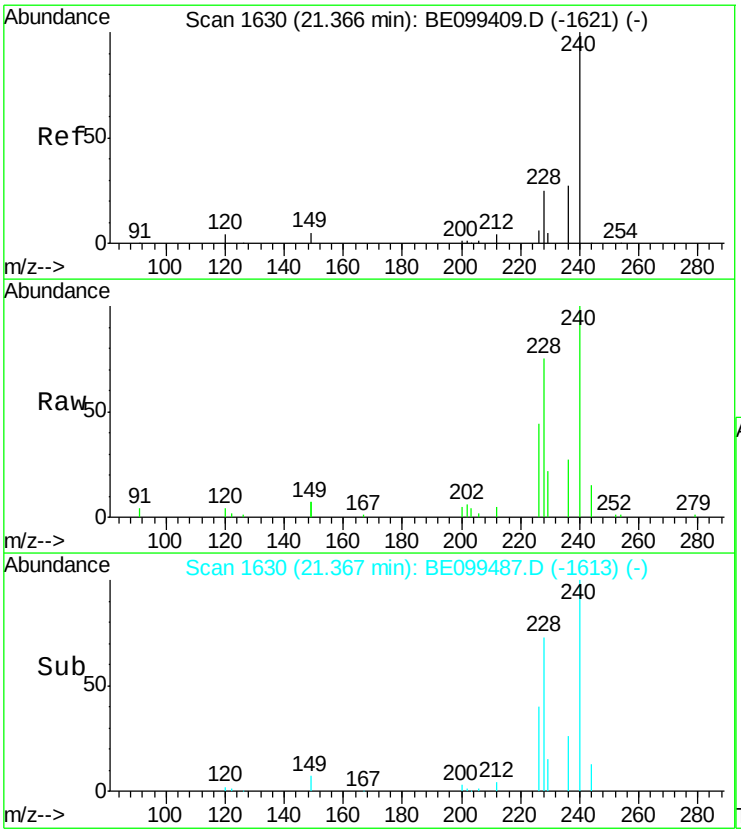
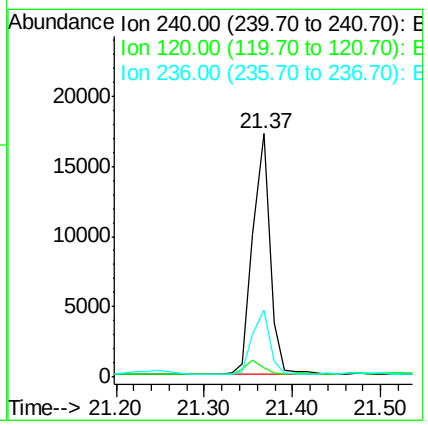
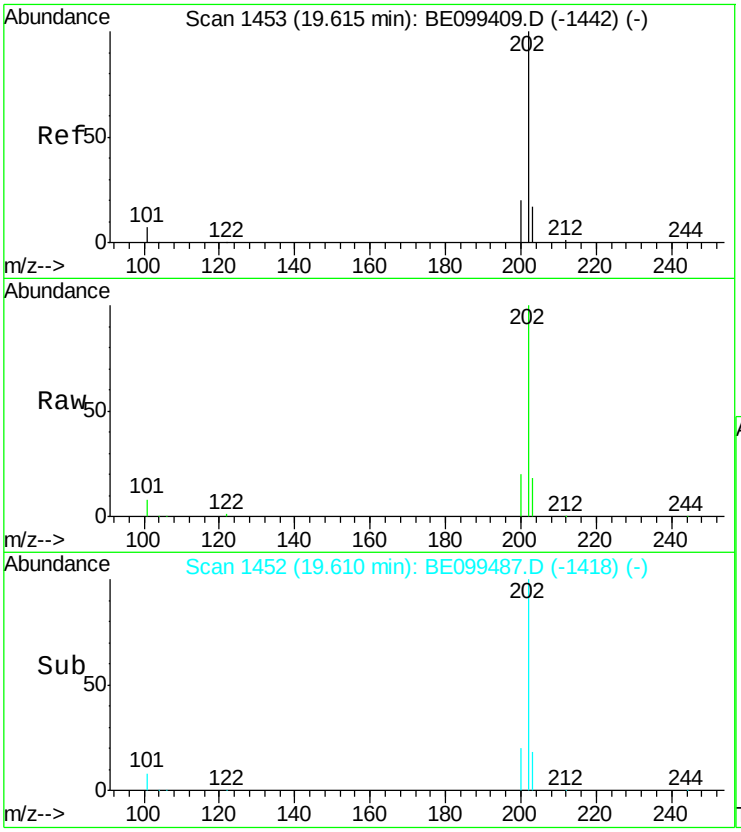


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:240 Resp: 23392

Ion	Ratio	Lower	Upper
240	100		
120	3.6	4.0	6.0#
236	27.3	22.0	33.0





#28
Pyrene
Concen: 3.067 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:202 Resp: 187009

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	20.6	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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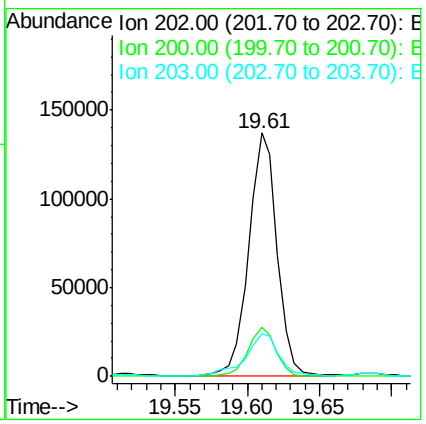
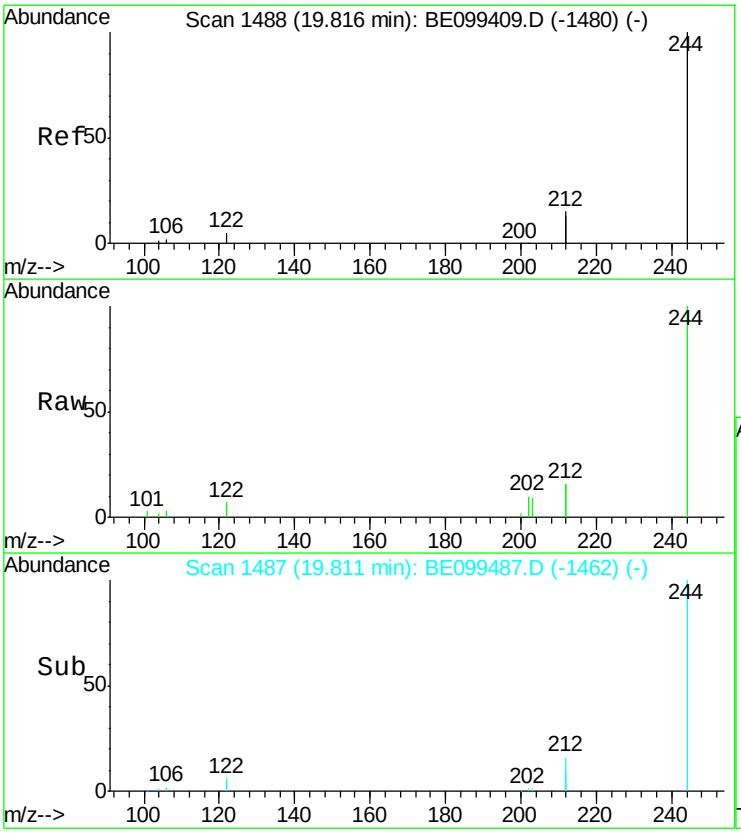
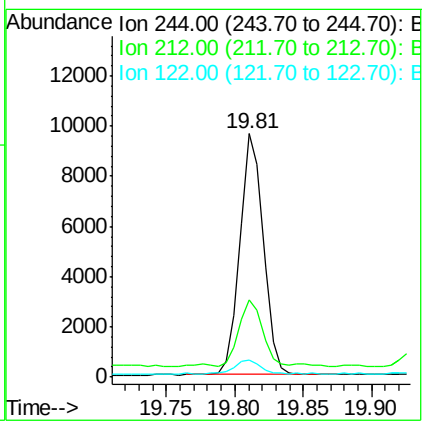


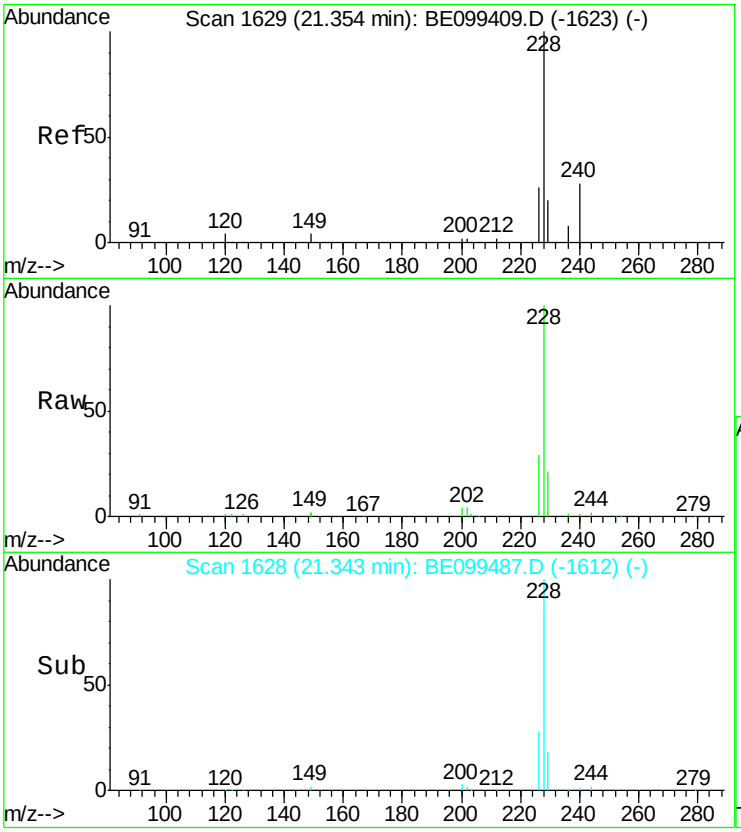


#29
Terphenyl-d14
Concen: 0.266 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:244 Resp: 11375

Ion	Ratio	Lower	Upper
244	100		
212	31.7	23.2	34.8
122	7.1	4.2	6.4#

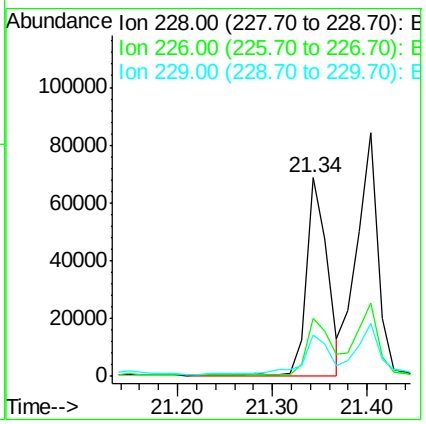




#30
Benzo(a)anthracene
Concen: 1.393 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:228 Resp: 103852

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.0	31.6
229	20.9	16.6	25.0



Instrument :
BNA_E
ClientSampleId :
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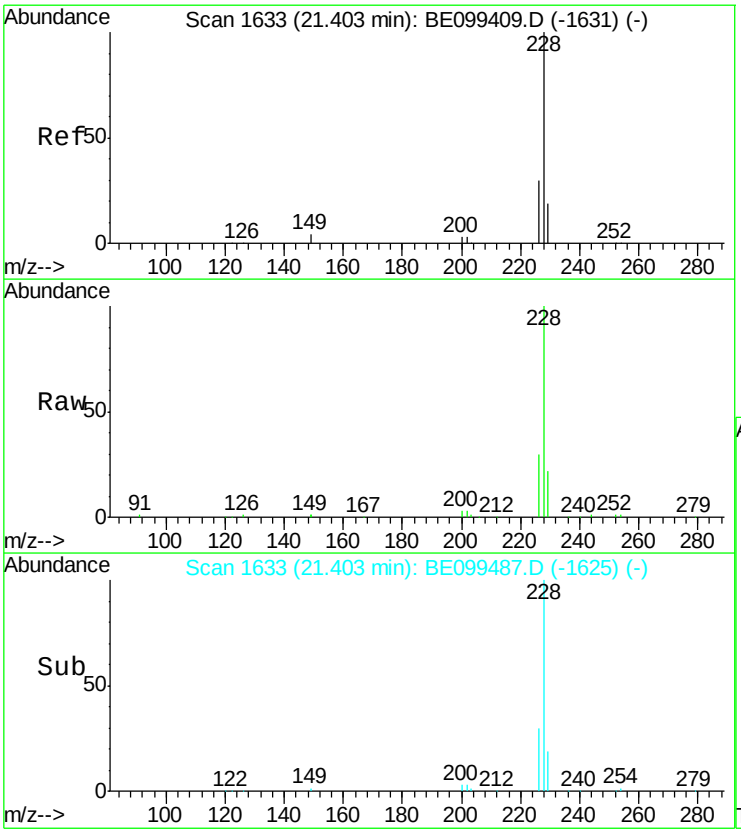
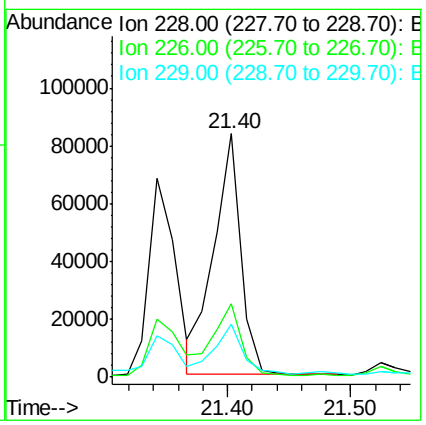
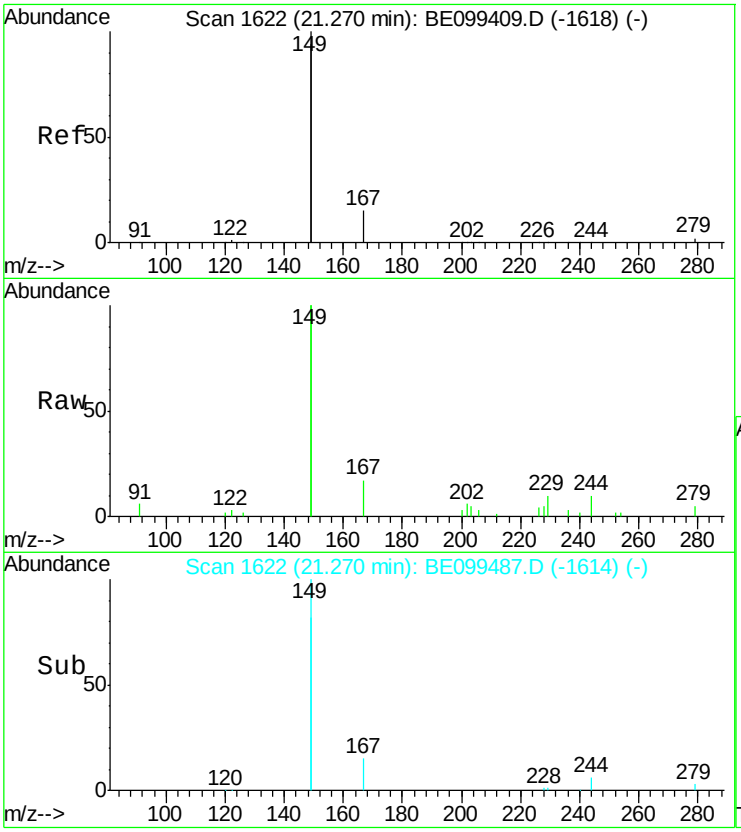


#31
Chrysene
Concen: 1.753 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:228 Resp: 127881

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	21.6	15.8	23.8





#32
Bis(2-ethylhexyl)phthalate
Concen: 0.209 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:149 Resp: 29533

Ion	Ratio	Lower	Upper
149	100		
167	7.6	5.8	8.6
279	1.5	1.0	1.6

Instrument :
BNA_E
ClientSampleId :
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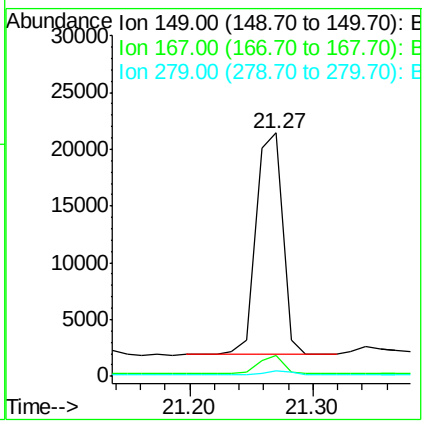
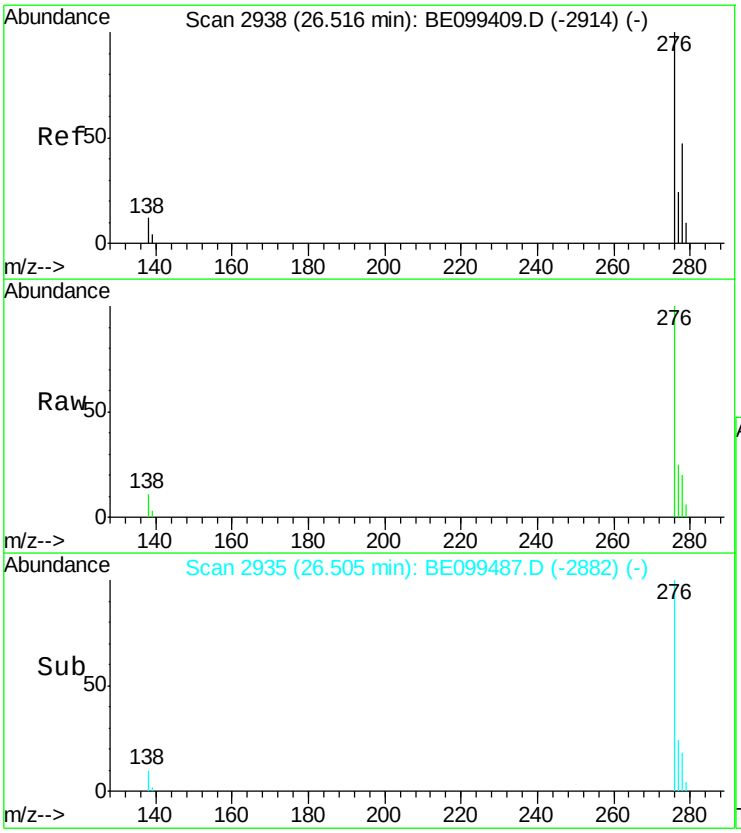
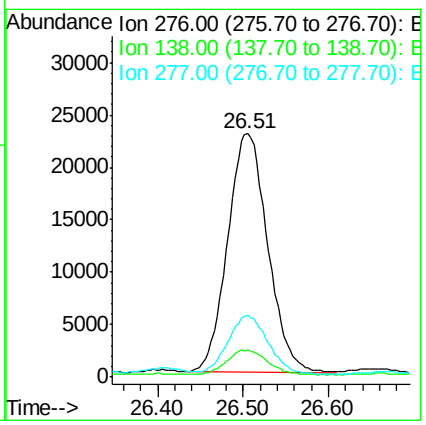


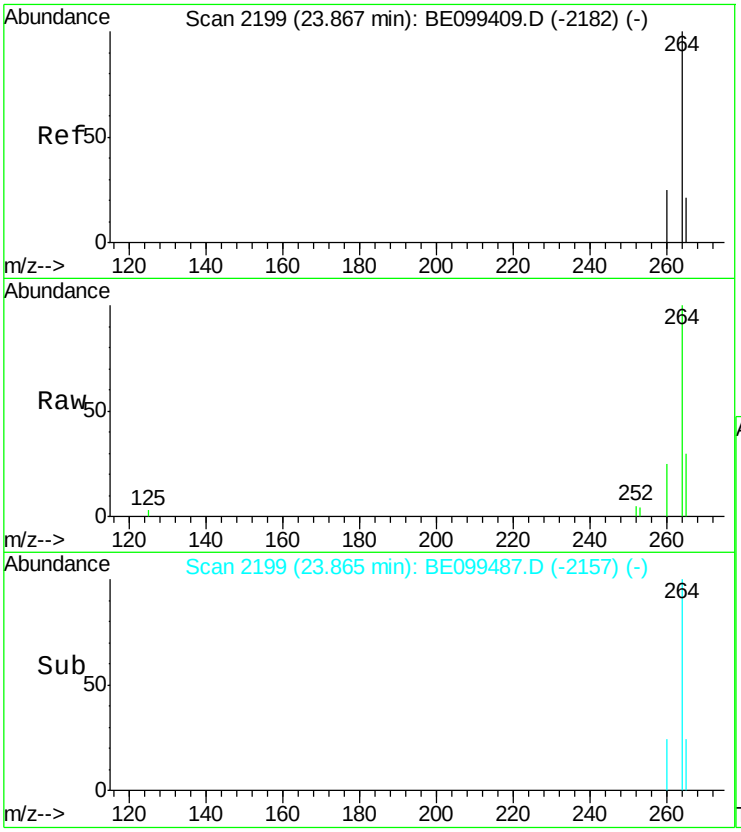


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.863 ng
RT: 26.51 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:276 Resp: 74371

Ion	Ratio	Lower	Upper
276	100		
138	10.6	10.2	15.2
277	24.6	19.2	28.8

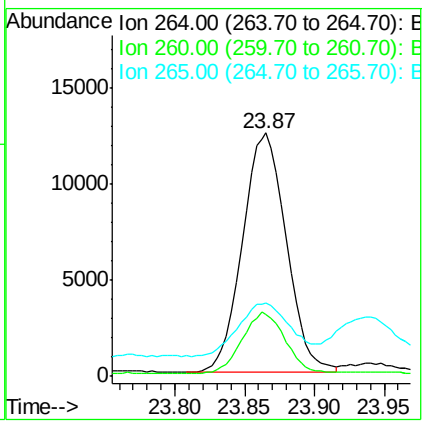




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:264 Resp: 27247

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.2	30.2
265	30.2	21.3	31.9



Instrument :
BNA_E
ClientSampleId :
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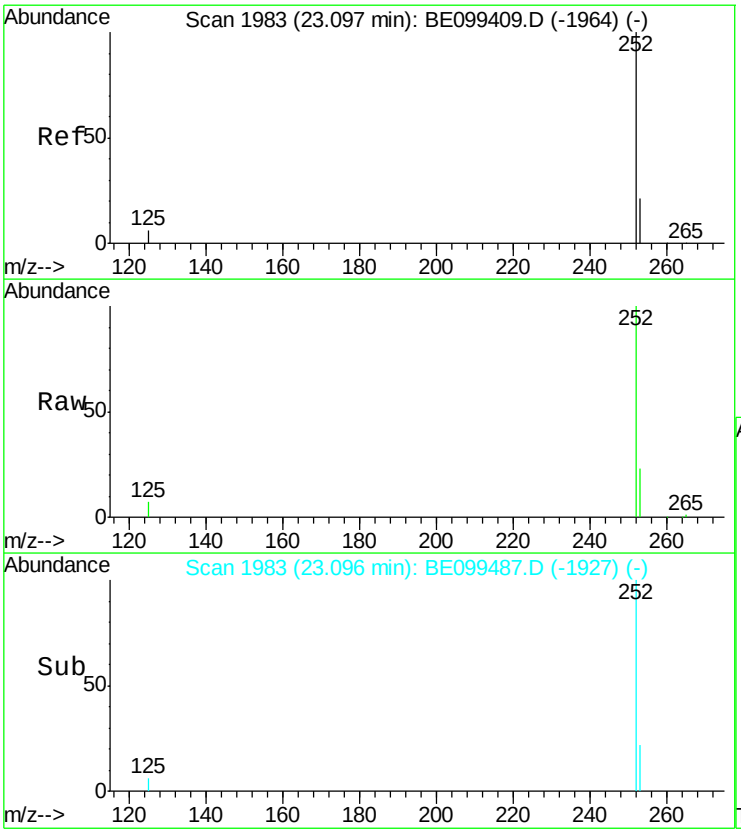
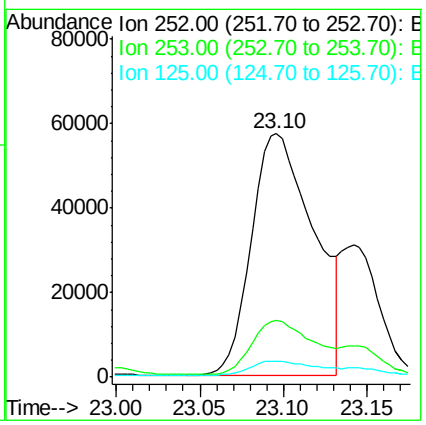
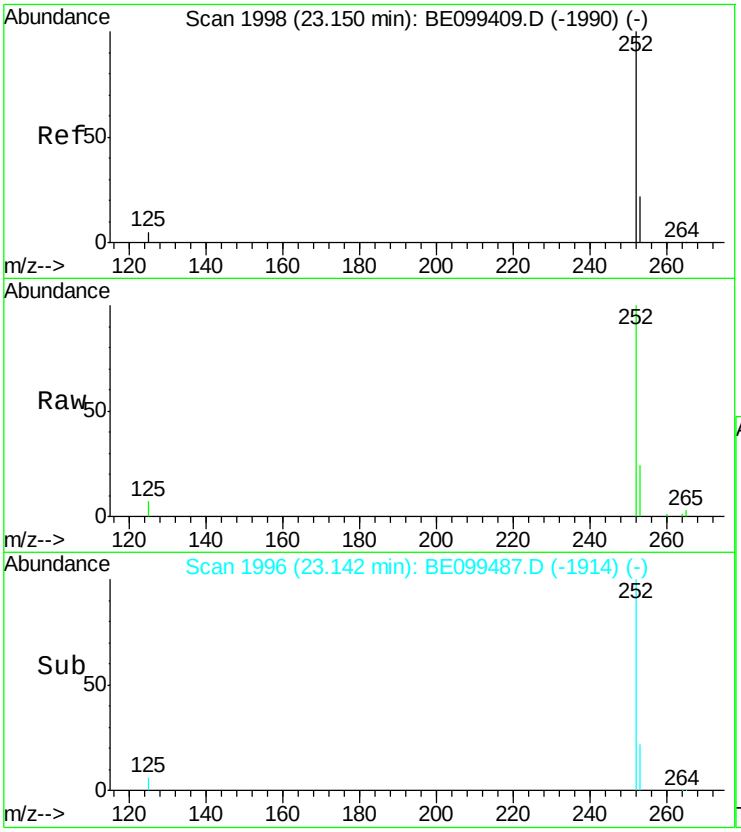


#35
Benzo(b)fluoranthene
Concen: 1.888 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:252 Resp: 148332

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	6.5	5.6	8.4

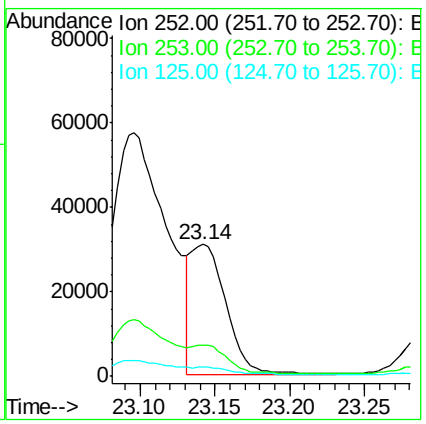




#36
Benzo(k)fluoranthene
Concen: 0.648 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:252 Resp: 49093

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	6.9	5.0	7.4



Instrument :
BNA_E
ClientSampleId :
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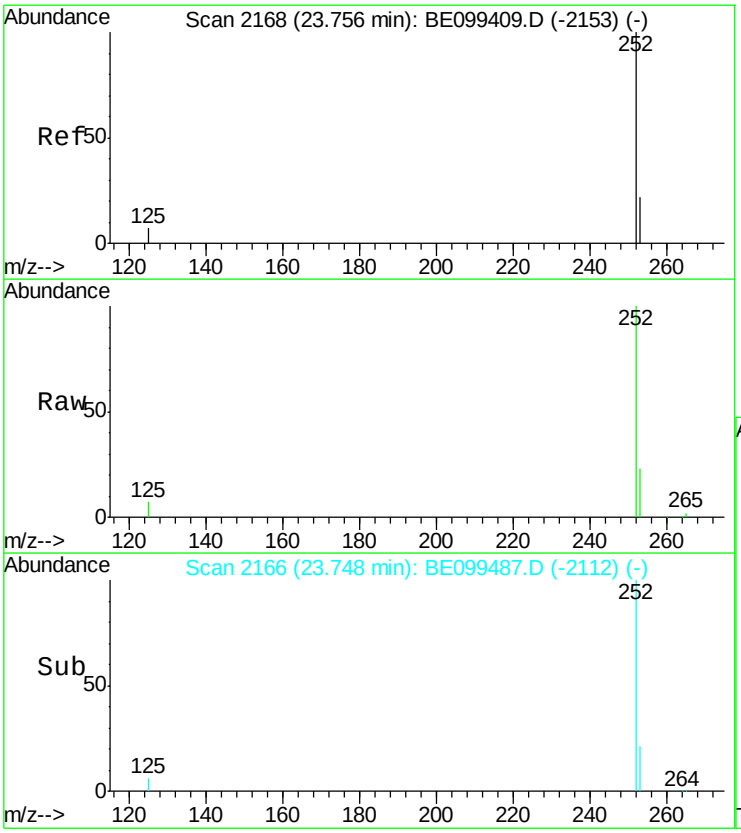
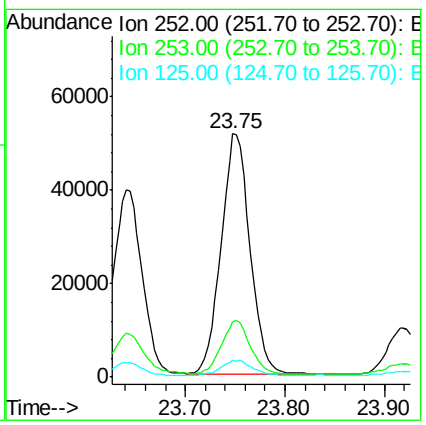
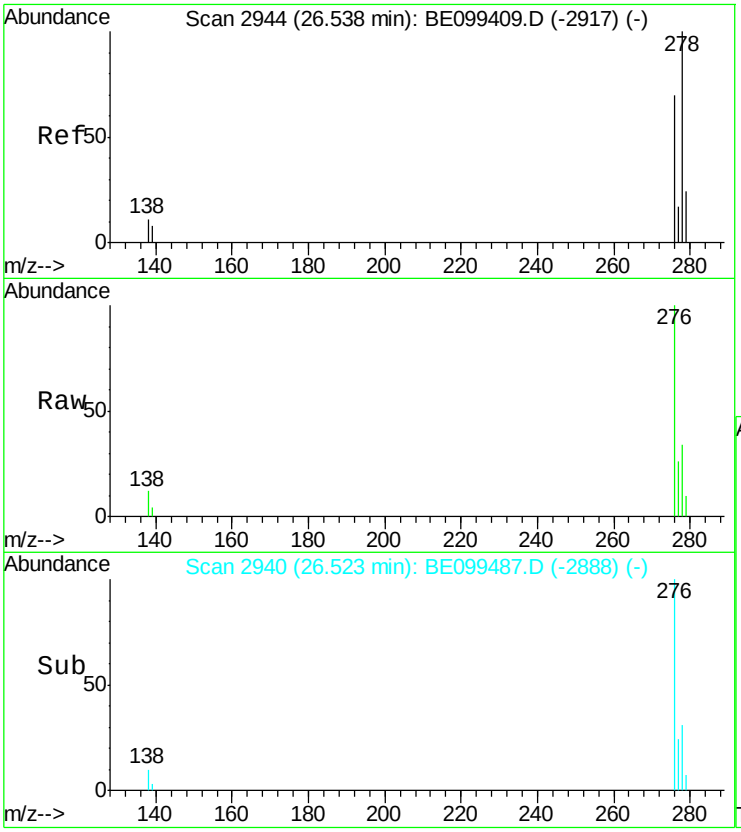


#37
Benzo(a)pyrene
Concen: 1.396 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:252 Resp: 103657

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.9	28.3
125	6.8	6.7	10.1





#38
Dibenzo(a,h)anthracene
Concen: 0.263 ng
RT: 26.52 min Scan# 2940
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:278 Resp: 19971

Ion	Ratio	Lower	Upper
278	100		
139	12.0	7.7	11.5#
279	29.4	20.2	30.2

Instrument :
BNA_E
ClientSampleId :
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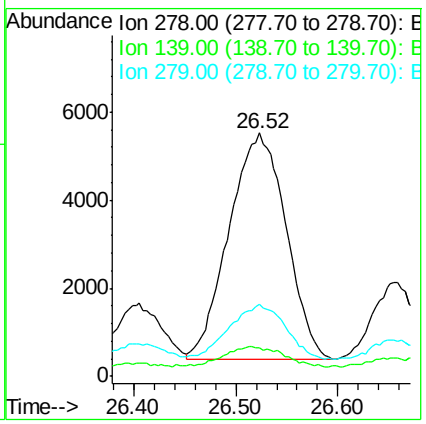

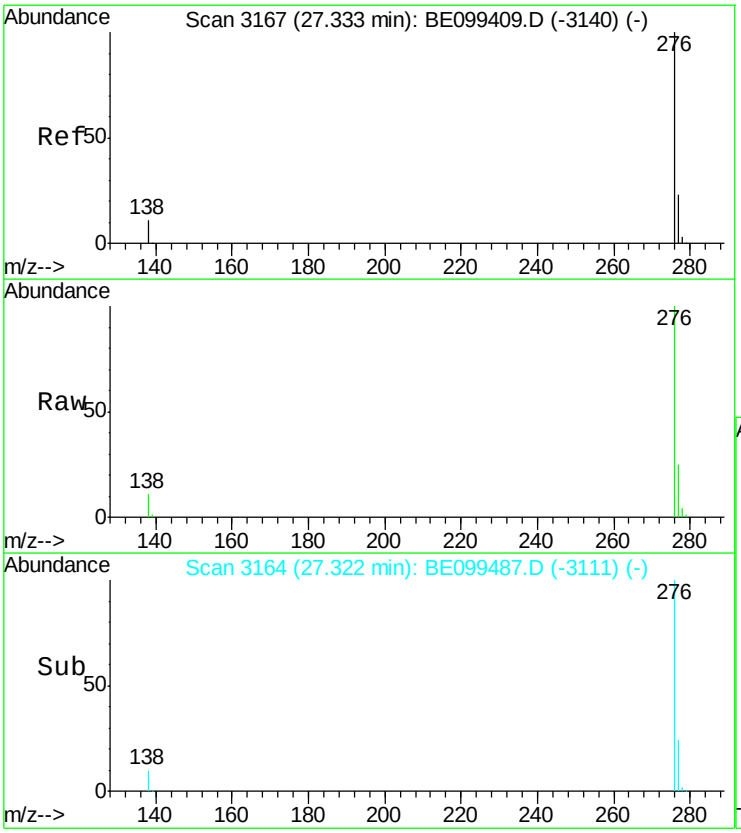

#39
Benzo(g,h,i)perylene
Concen: 1.034 ng
RT: 27.32 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BE099487.D
Acq: 2 May 2019 5:47

Tgt Ion:276 Resp: 78707

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.5	29.3
138	10.8	9.6	14.4