Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022459.D
Acq On : 31 Aug 2019 02:13
Operator : HP/JU
Sample : K4618-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

Manual Integrations APPROVED
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8/31/2019 2:44:07 PM

Quant Time: Aug 31 05:50:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	16858	20.00	ng		-0.01
21) Naphthalene-d8	10.29	136	60419	20.00	ng		-0.01
39) Acenaphthene-d10	14.18	164	37983	20.00	ng		0.00
64) Phenanthrene-d10	16.95	188	88697	20.00	ng		0.00
76) Chrysene-d12	21.17	240	218168	20.00	ng		0.00
87) Perylene-d12	23.37	264	191848	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.14	112	89004	92.67	ng		0.00
7) Phenol-d6	6.72	99	110156	85.77	ng		0.00
23) Nitrobenzene-d5	8.69	82	70167	50.87	ng		0.00
42) 2,4,6-Tribromophenol	15.70	330	59155	76.11	ng		0.00
45) 2-Fluorobiphenyl	12.79	172	111211	33.17	ng		0.00
79) Terphenyl-d14	19.60	244	255509	15.46	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.75	94	9616	7.453	ng		94
31) Naphthalene	10.34	128	256024	81.468	ng		100
37) 2-Methylnaphthalene	11.96	142	74147	31.048	ng		98
38) 1-Methylnaphthalene	12.19	142	55126	23.916	ng		99
46) 1,1'-Biphenyl	13.00	154	29808	9.604	ng		99
49) Acenaphthylene	13.90	152	64716	17.400	ng	#	97
50) Dimethylphthalate	13.66	163	14806	4.482	ng		99
52) Acenaphthene	14.24	154	211622	94.872	ng		97
55) Dibenzofuran	14.59	168	246133	65.501	ng		98
58) Fluorene	15.24	166	301115	89.695	ng		97
71) Phenanthrene	17.01	178	7219432	1396.376	ng		98
72) Anthracene	17.09	178	1127683	221.688	ng		99
73) Carbazole	17.37	167	297726	70.808	ng		99
75) Fluoranthene	19.04	202	9174253	1332.477	ng		97
78) Pyrene	19.42	202	7932626	533.531	ng		97
81) Benzo(a)anthracene	21.16	228	3359885	214.562	ng		99
83) Chrysene	21.22	228	2664404	178.761	ng		96
86) Indeno(1,2,3-cd)pyrene	25.57	276	1430297	95.402	ng		97
88) Benzo(b)fluoranthene	22.73	252	3427983	257.204	ng		99
89) Benzo(k)fluoranthene	22.76	252	971953m	73.513	ng		
90) Benzo(a)pyrene	23.29	252	2965758	250.702	ng		98
91) Dibenzo(a,h)anthracene	25.56	278	338910	28.731	ng	#	90
92) Benzo(g,h,i)perylene	26.25	276	1338466	130.191	ng		96

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

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Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

Manual Integrations APPROVED
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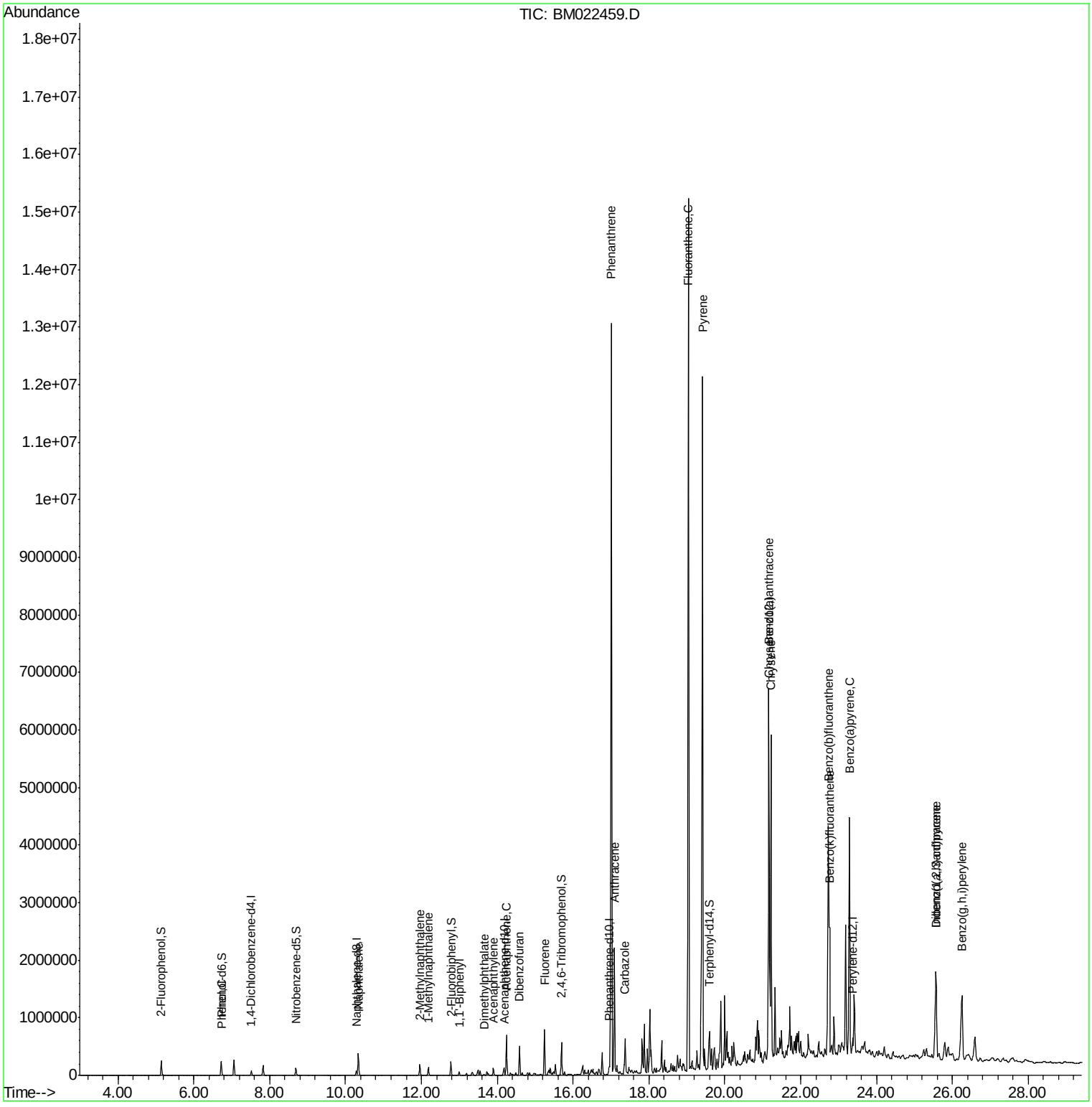
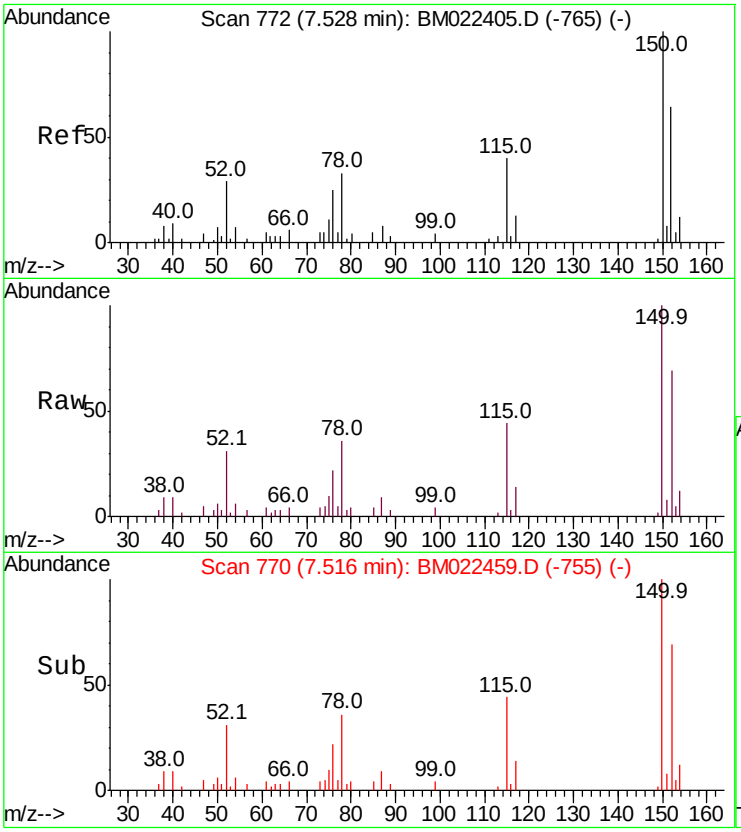
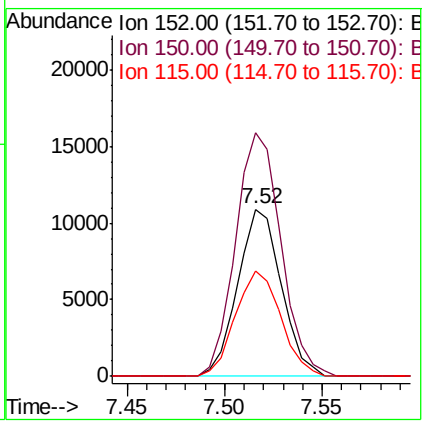




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:152 Resp: 16858

Ion	Ratio	Lower	Upper
152	100		
150	145.6	125.4	188.0
115	63.4	50.3	75.5



Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

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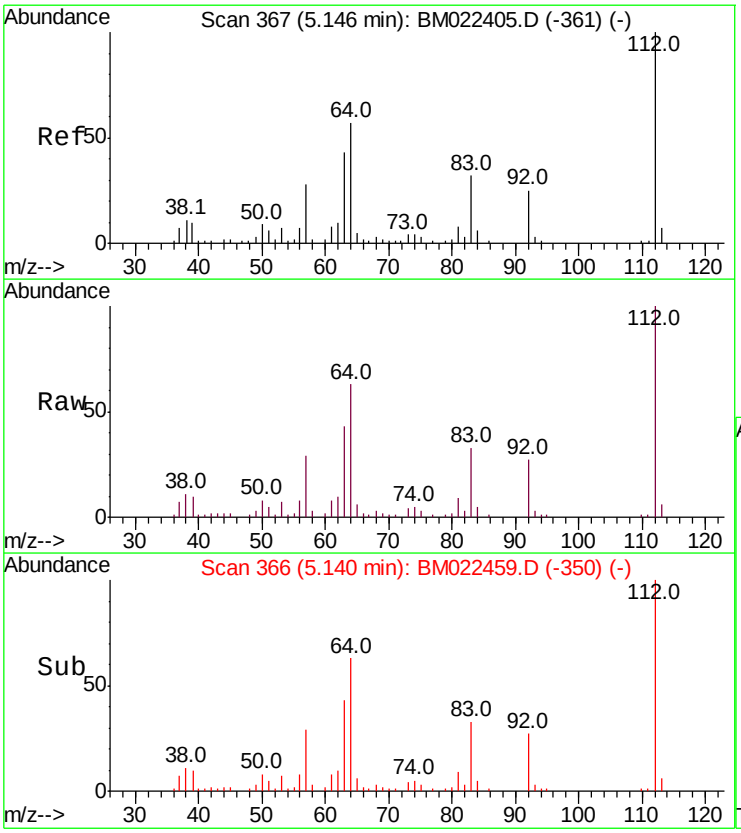
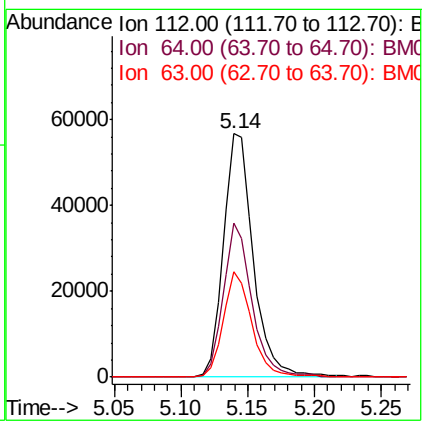
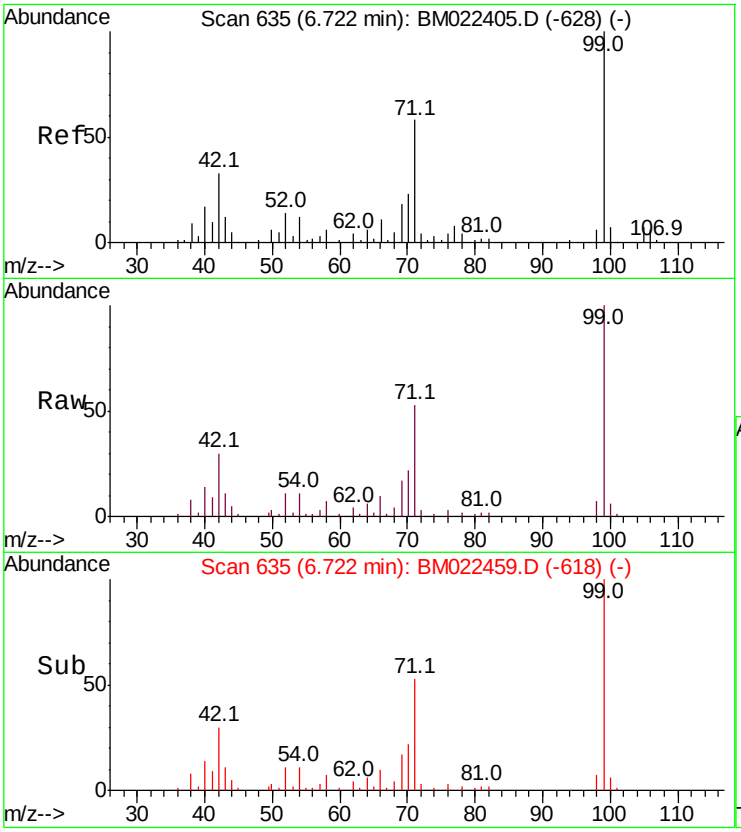


#5
2-Fluorophenol
Concen: 92.675 ng
RT: 5.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:112 Resp: 89004

Ion	Ratio	Lower	Upper
112	100		
64	63.4	45.4	68.2
63	43.3	34.5	51.7

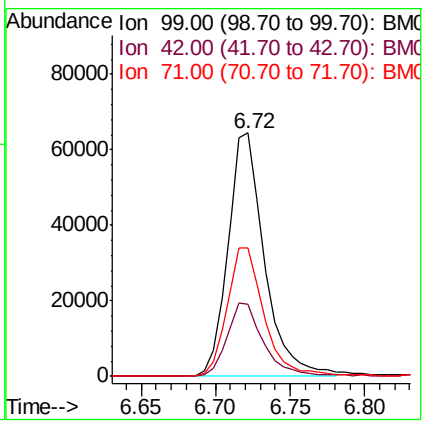




#7
Phenol-d6
Concen: 85.772 ng
RT: 6.72 min Scan# 635
Delta R.T. -0.00 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion: 99 Resp: 110156

Ion	Ratio	Lower	Upper
99	100		
42	29.8	26.3	39.5
71	52.8	46.6	69.8



Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

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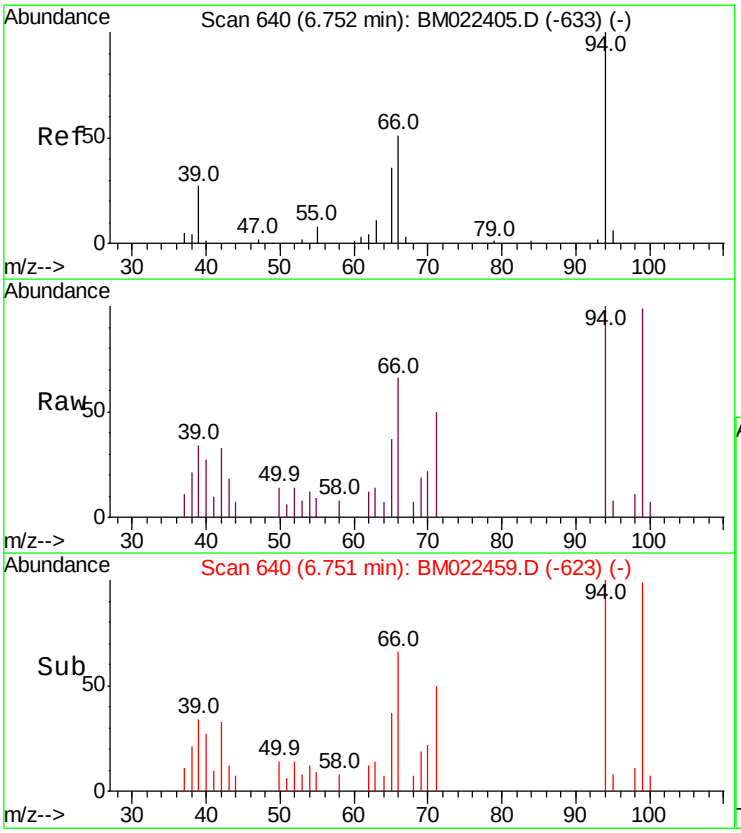
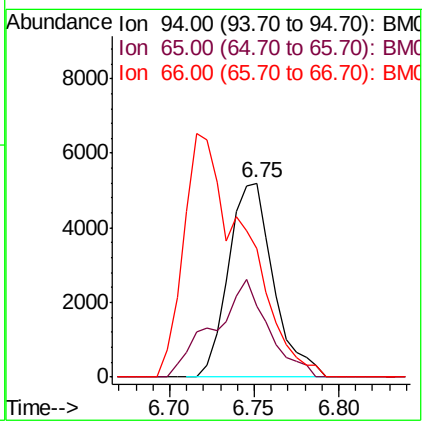
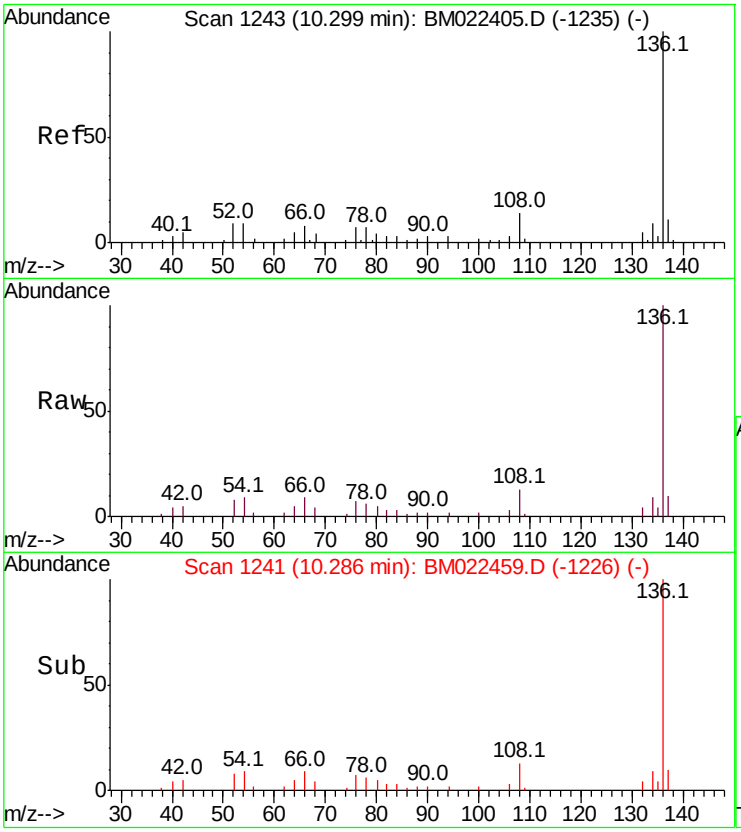


#10
Phenol
Concen: 7.453 ng
RT: 6.75 min Scan# 640
Delta R.T. -0.00 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion: 94 Resp: 9616

Ion	Ratio	Lower	Upper
94	100		
65	36.8	17.7	57.7
66	66.0	39.6	79.6

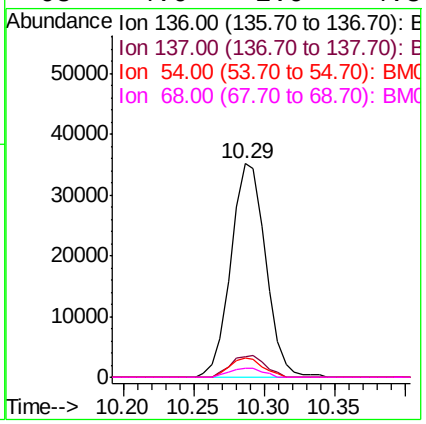




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.29 min Scan# 1241
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:136 Resp: 60419

Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.6	13.0
54	8.9	7.0	10.6
68	4.0	2.9	4.3



Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

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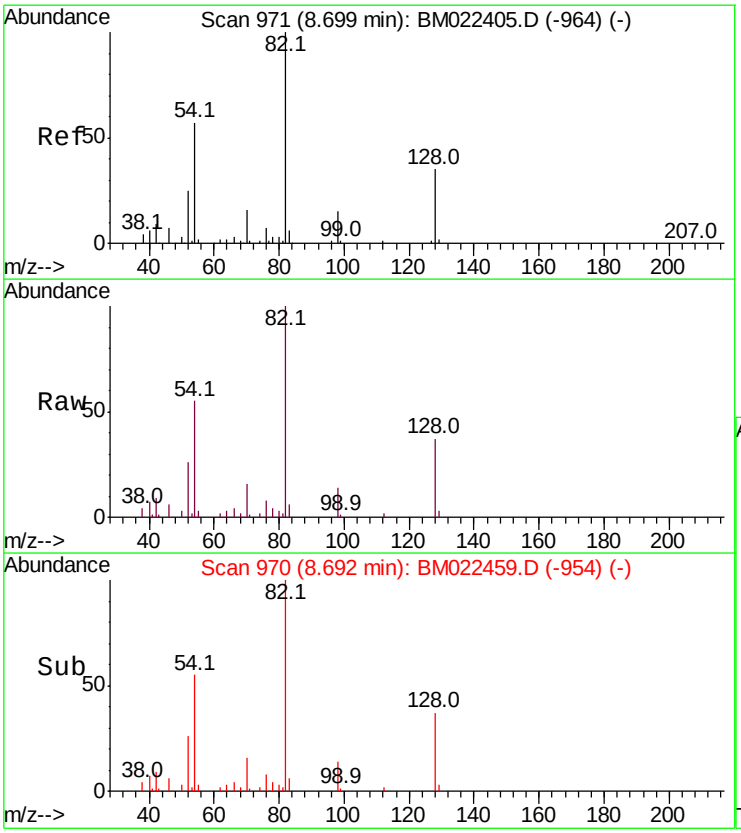
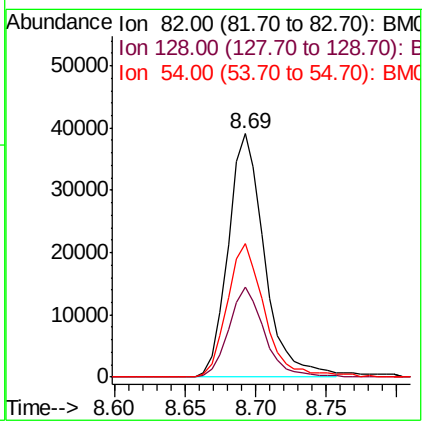
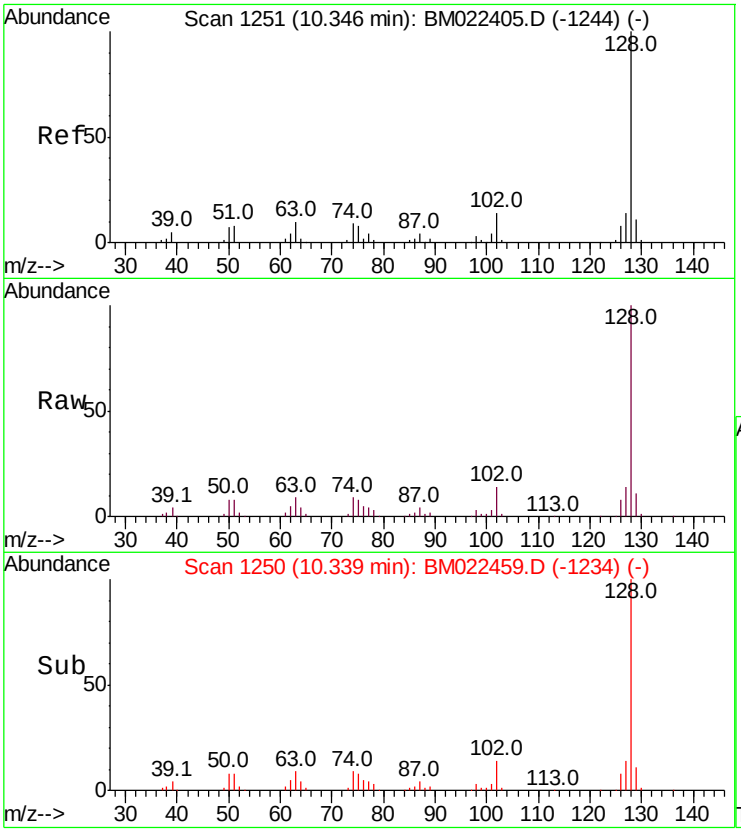


#23
Nitrobenzene-d5
Concen: 50.867 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion: 82 Resp: 70167

Ion	Ratio	Lower	Upper
82	100		
128	37.0	27.9	41.9
54	55.0	45.2	67.8

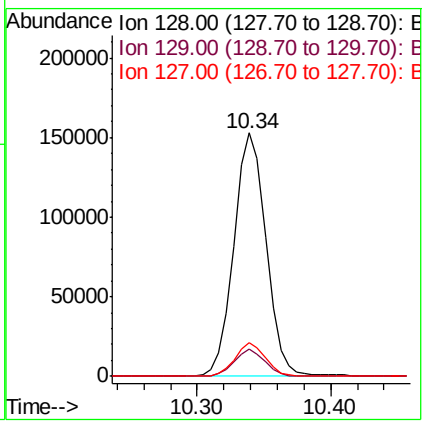




#31
Naphthalene
Concen: 81.468 ng
RT: 10.34 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:128 Resp: 256024

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.9	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

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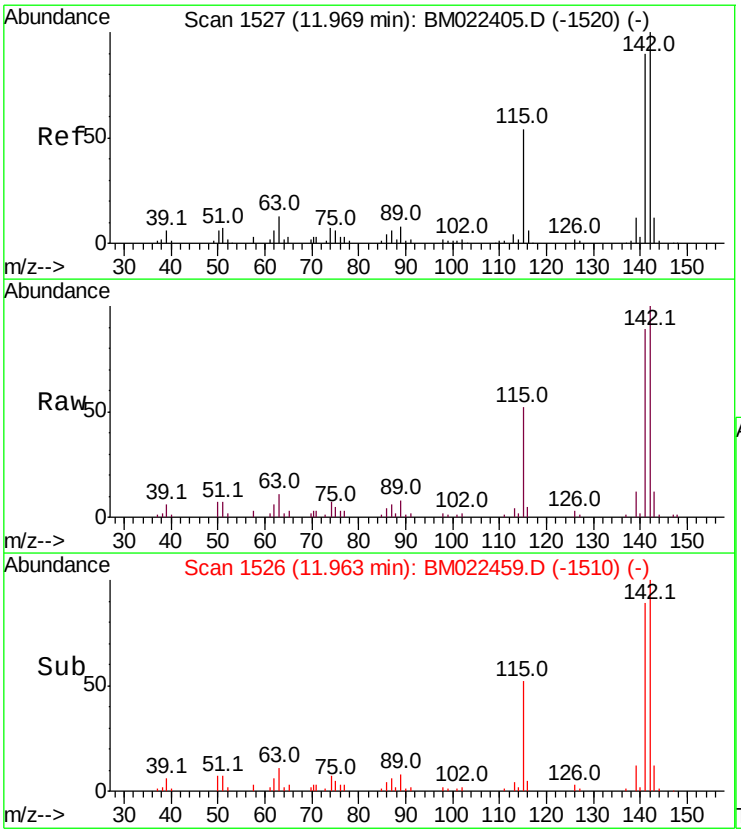
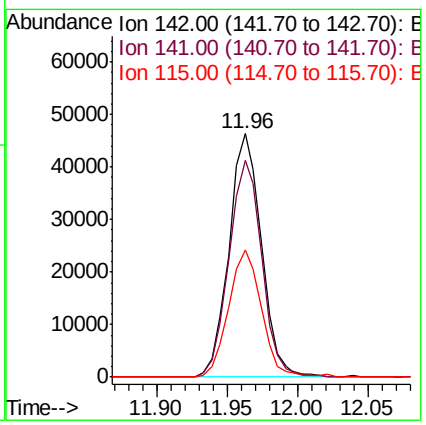
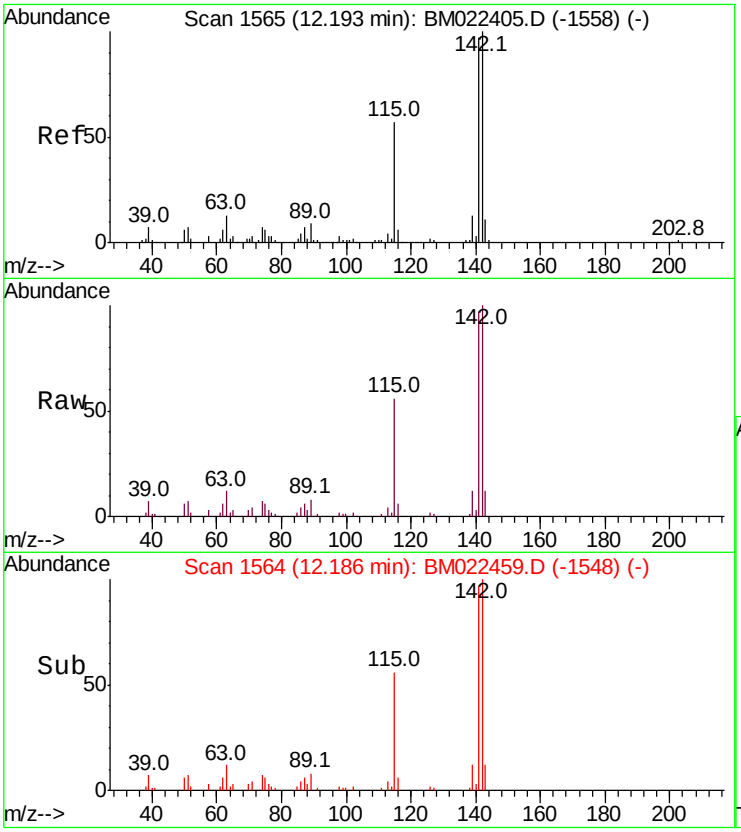


#37
2-Methylnaphthalene
Concen: 31.048 ng
RT: 11.96 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:142 Resp: 74147

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.2	108.2
115	52.3	43.2	64.8

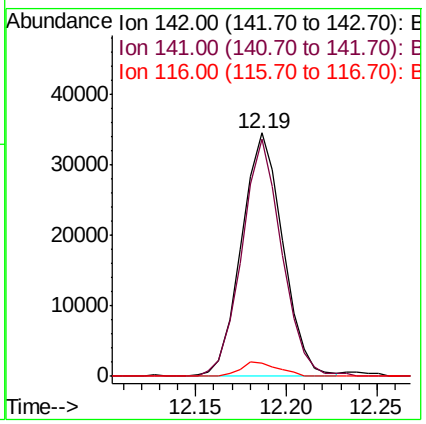




#38
1-Methylnaphthalene
Concen: 23.916 ng
RT: 12.19 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:142 Resp: 55126

Ion	Ratio	Lower	Upper
142	100		
141	97.3	77.3	115.9
116	5.6	4.9	7.3



Instrument :
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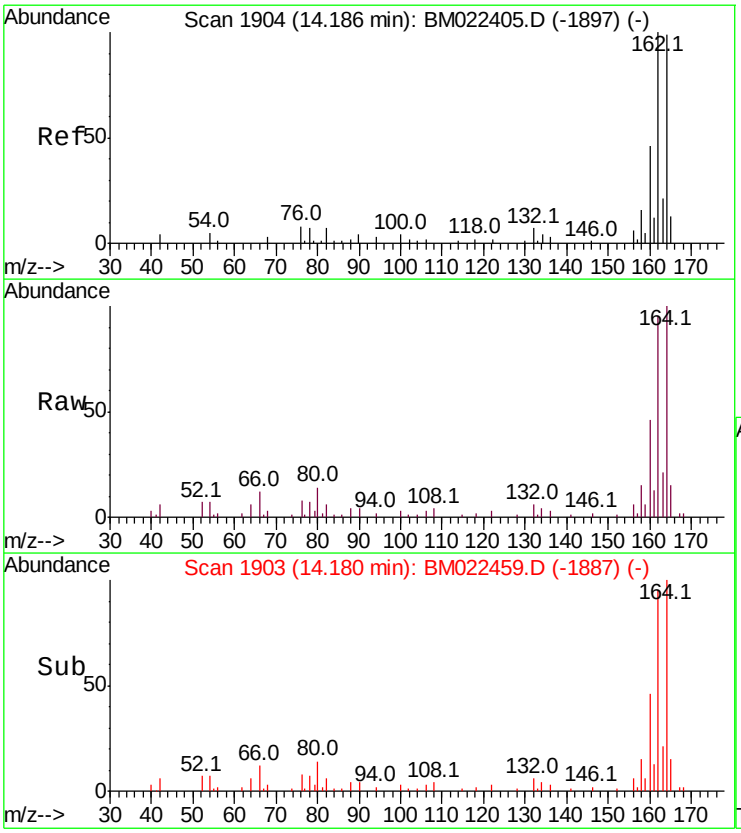
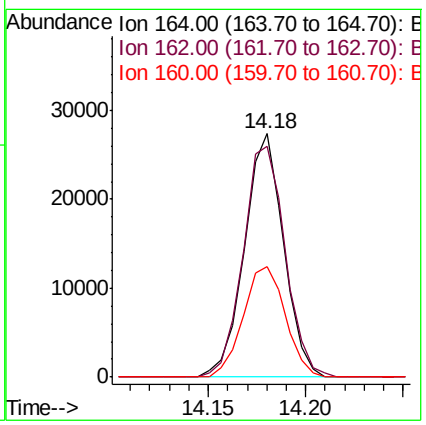
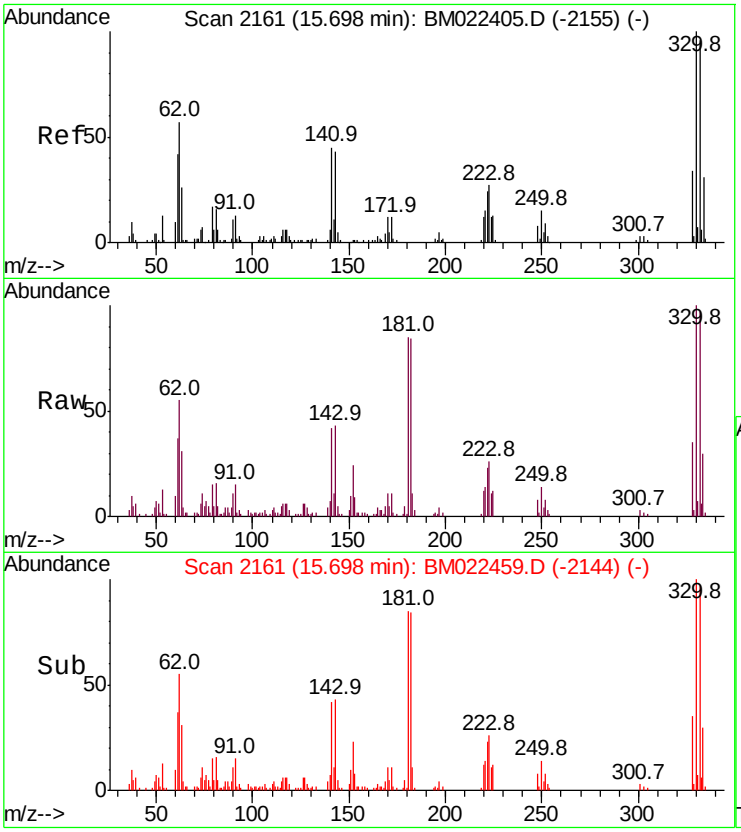


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:164 Resp: 37983

Ion	Ratio	Lower	Upper
164	100		
162	95.1	80.6	121.0
160	45.5	37.3	55.9

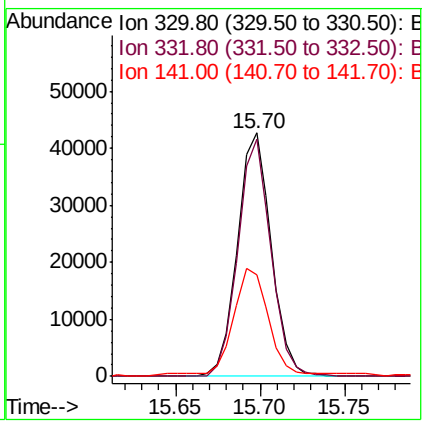




#42
2,4,6-Tribromophenol
Concen: 76.109 ng
RT: 15.70 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:330 Resp: 59155

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.8	116.8
141	47.4	35.6	53.4



Instrument :
BNA_M
ClientSampleId :
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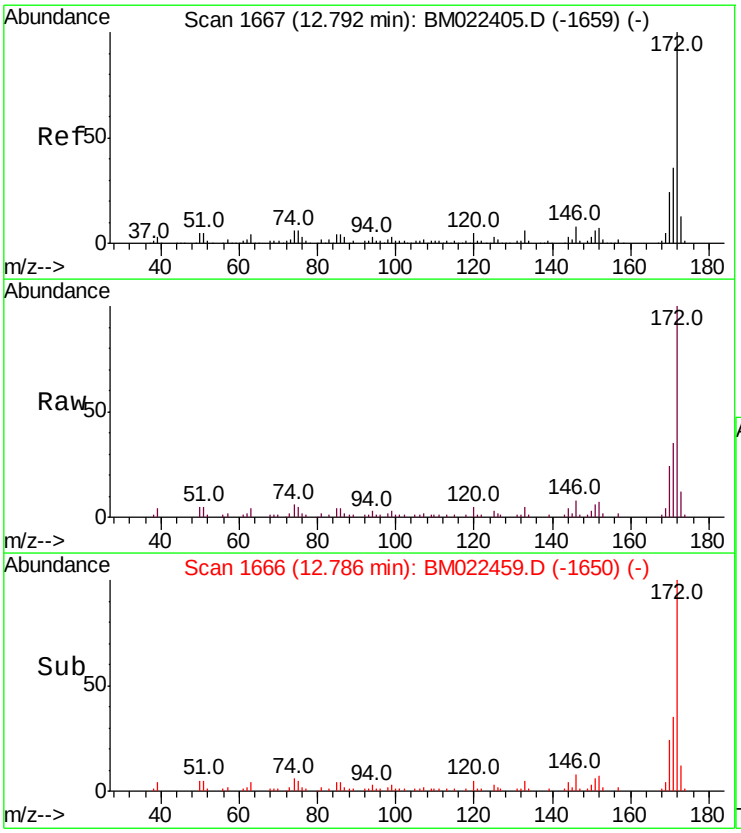
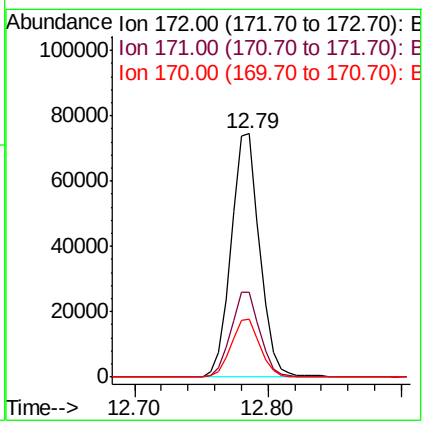
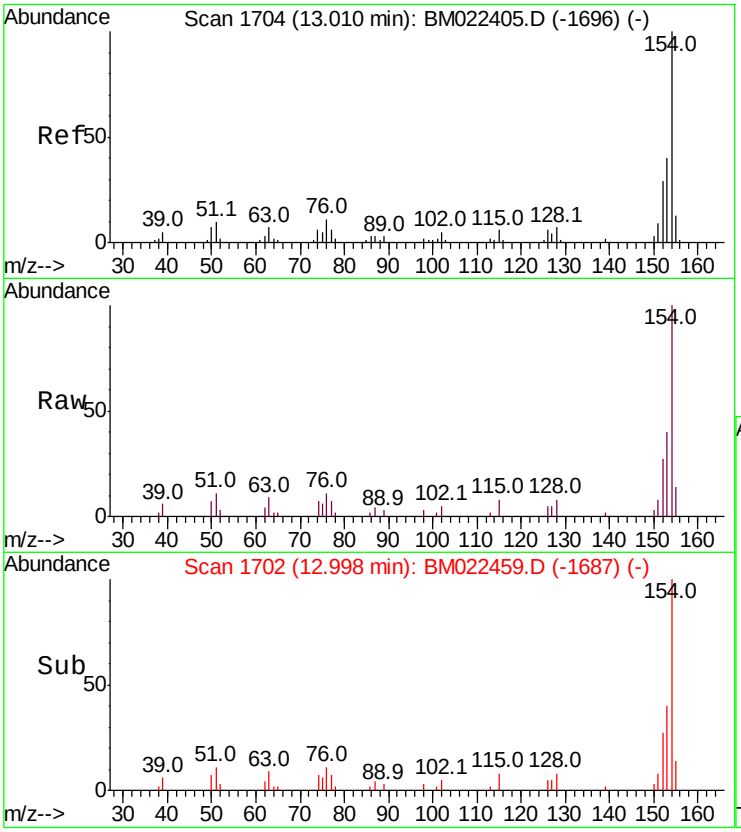


#45
2-Fluorobiphenyl
Concen: 33.169 ng
RT: 12.79 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:172 Resp: 111211

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.5	42.7
170	23.8	18.9	28.3





#46
1,1'-Biphenyl
Concen: 9.604 ng
RT: 13.00 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:154 Resp: 29808

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.4	60.4
76	11.0	0.0	30.9

Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

Manual Integrations APPROVED
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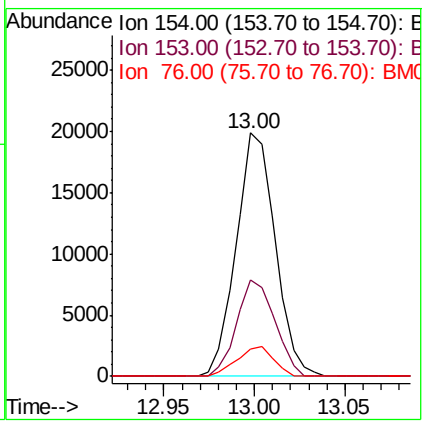
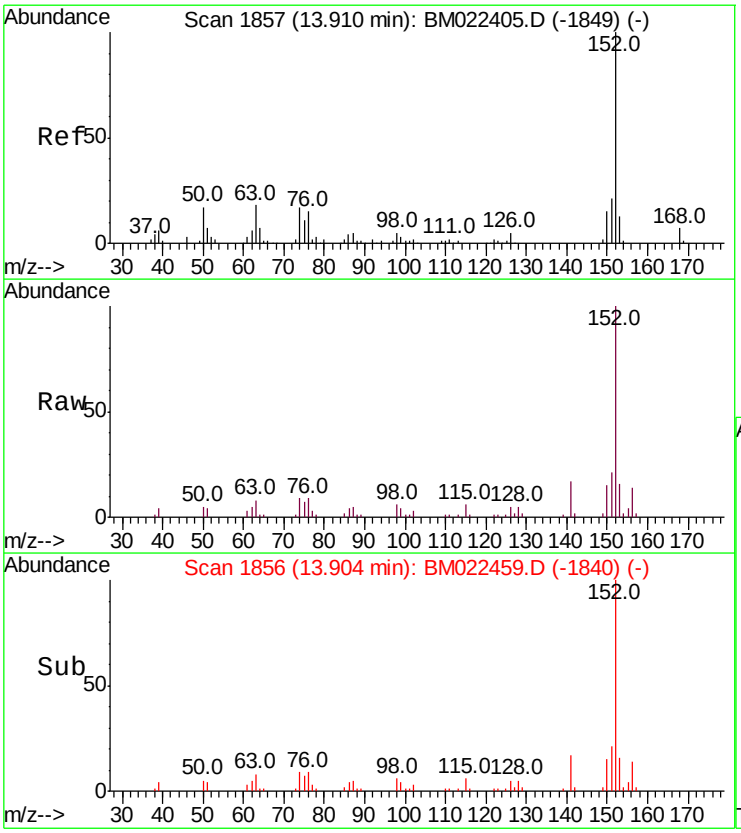
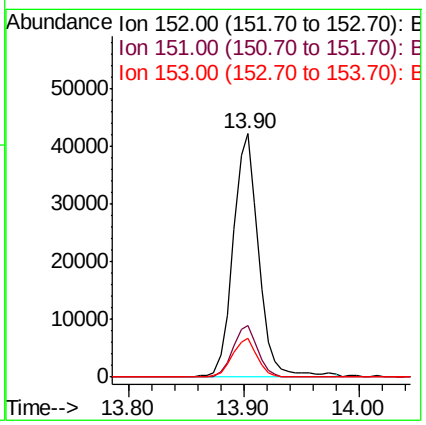


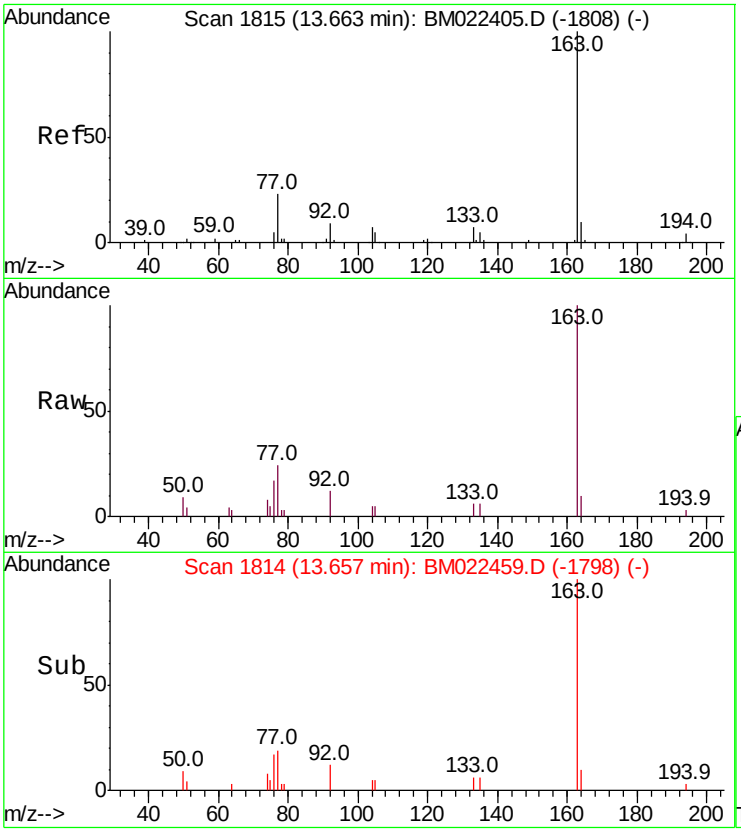


#49
Acenaphthylene
Concen: 17.400 ng
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:152 Resp: 64716

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.9	25.3
153	15.9	10.4	15.6#

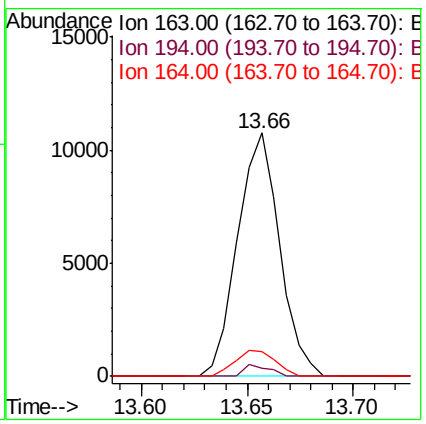




#50
Dimethylphthalate
Concen: 4.482 ng
RT: 13.66 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:163 Resp: 14806

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.4	5.2
164	10.1	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

Manual Integrations APPROVED
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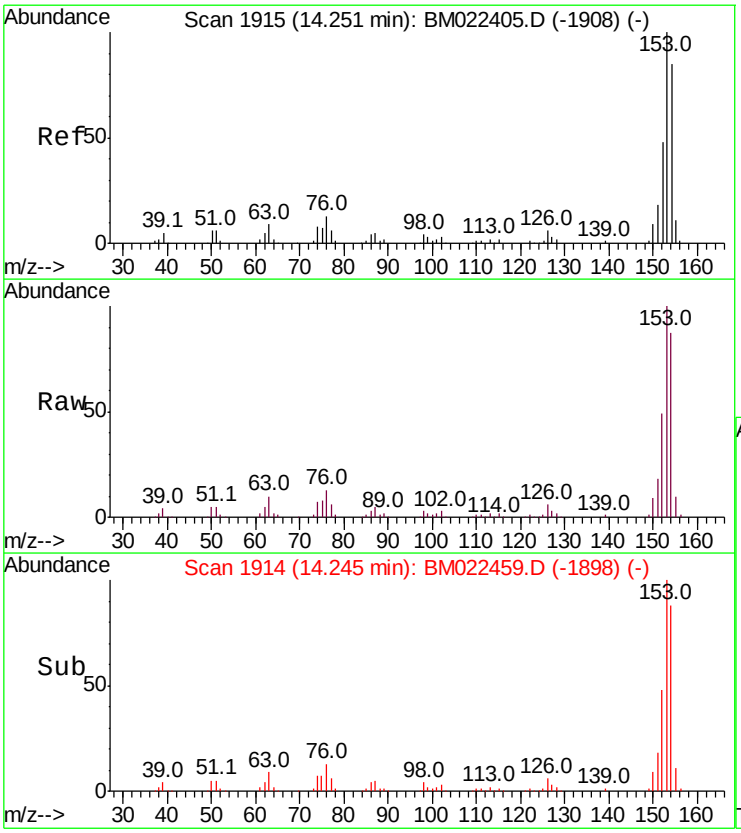
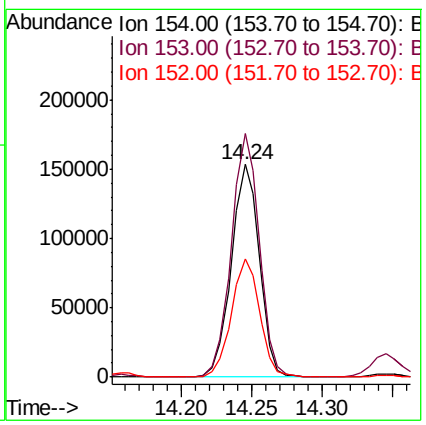
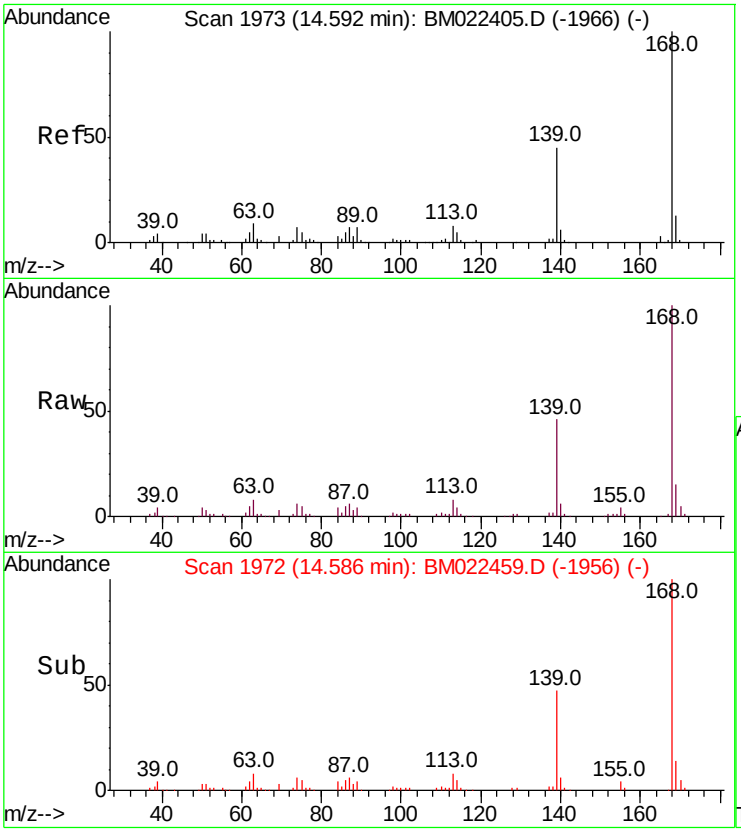


#52
Acenaphthene
Concen: 94.872 ng
RT: 14.24 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:154 Resp: 211622

Ion	Ratio	Lower	Upper
154	100		
153	114.5	94.3	141.5
152	55.7	45.4	68.2

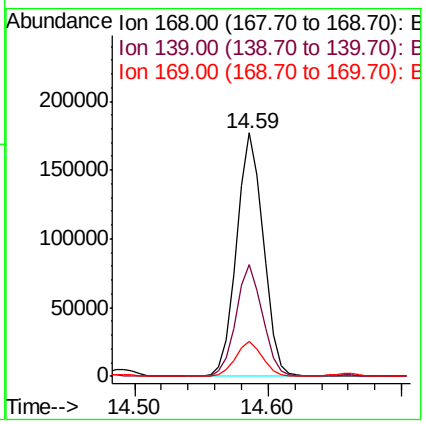




#55
Dibenzofuran
Concen: 65.501 ng
RT: 14.59 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:168 Resp: 246133

Ion	Ratio	Lower	Upper
168	100		
139	46.0	36.1	54.1
169	14.5	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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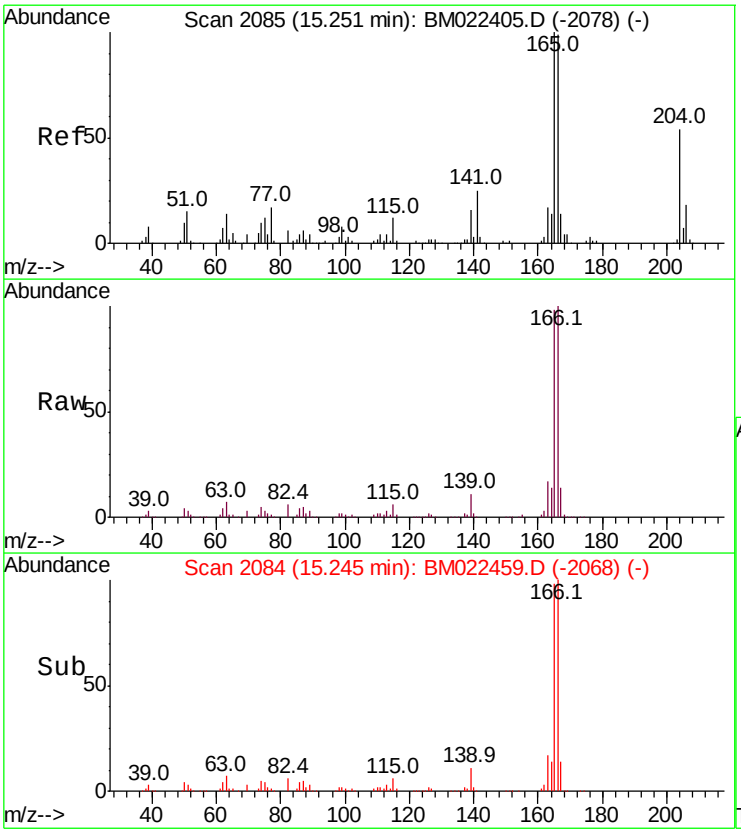
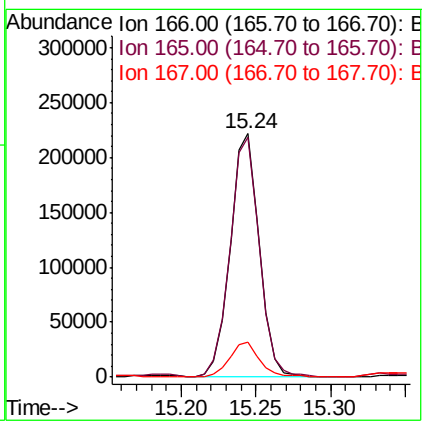
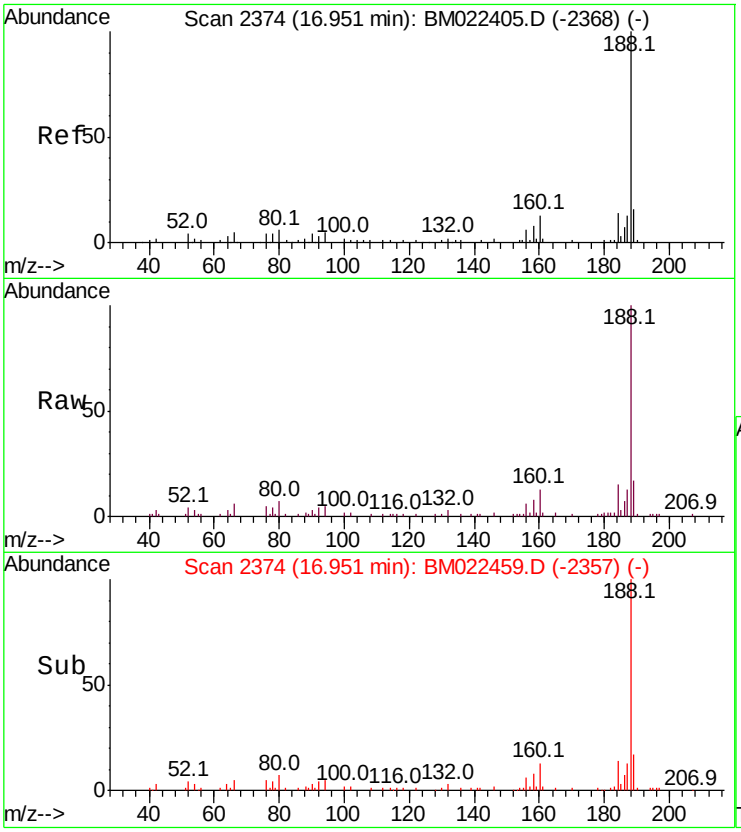


#58
Fluorene
Concen: 89.695 ng
RT: 15.24 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:166 Resp: 301115

Ion	Ratio	Lower	Upper
166	100		
165	98.5	81.1	121.7
167	14.2	11.1	16.7

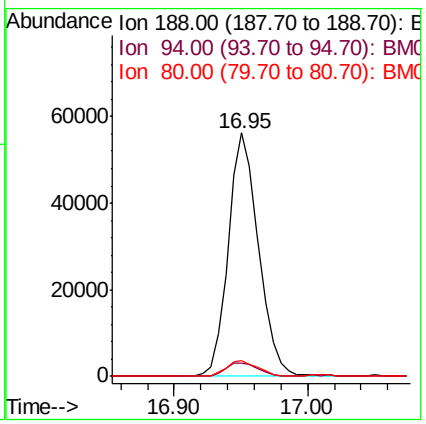




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:188 Resp: 88697

Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.4	6.6
80	6.7	5.0	7.6



Instrument :
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ClientSampleId :
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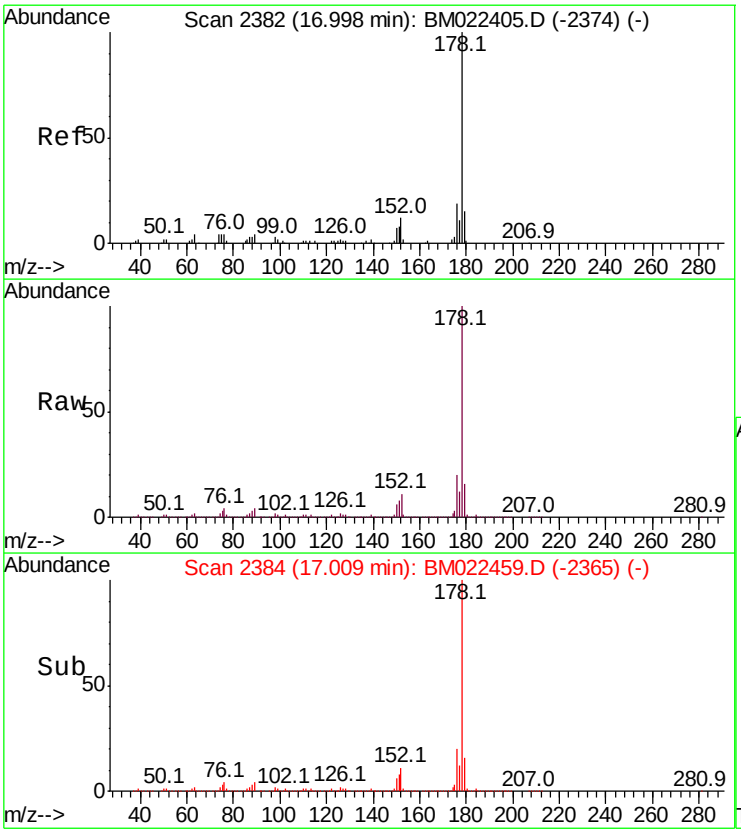
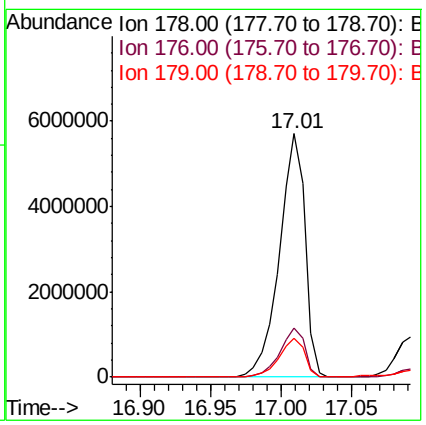
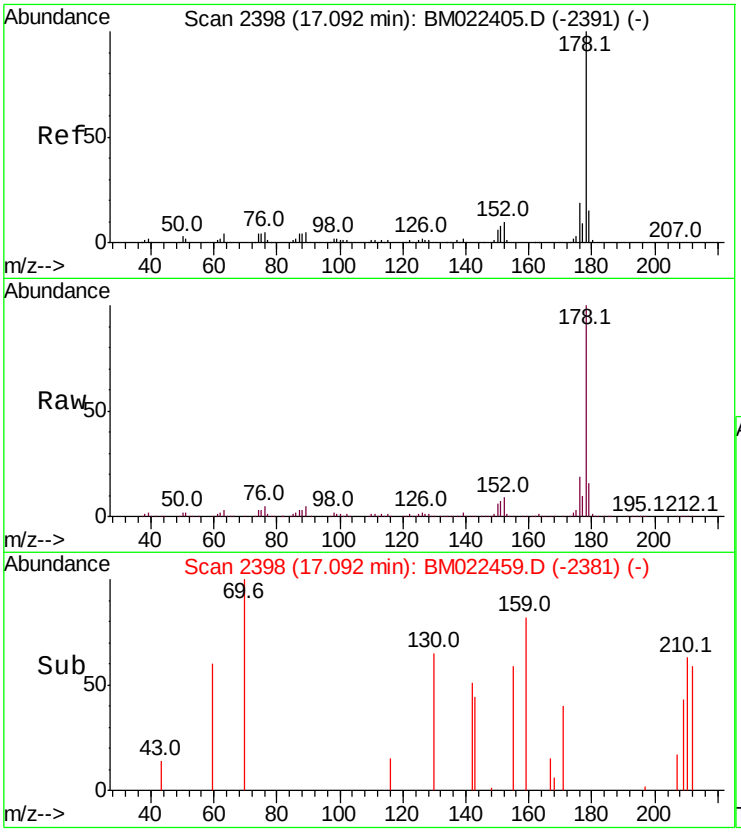


#71
Phenanthrene
Concen: 1396.376 ng
RT: 17.01 min Scan# 2384
Delta R.T. 0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:178 Resp: 7219432

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.4	23.2
179	16.1	12.3	18.5

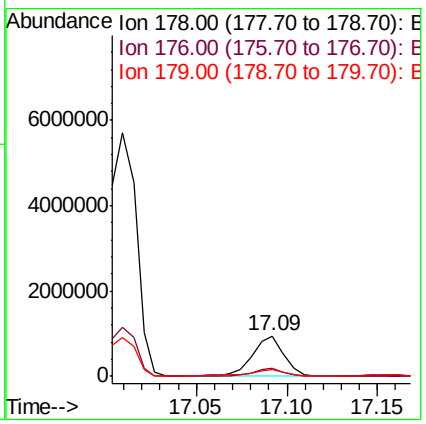




#72
Anthracene
Concen: 221.688 ng
RT: 17.09 min Scan# 2398
Delta R.T. -0.00 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:178 Resp: 1127683

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.6	11.8	17.6



Instrument :
BNA_M
ClientSampleId :
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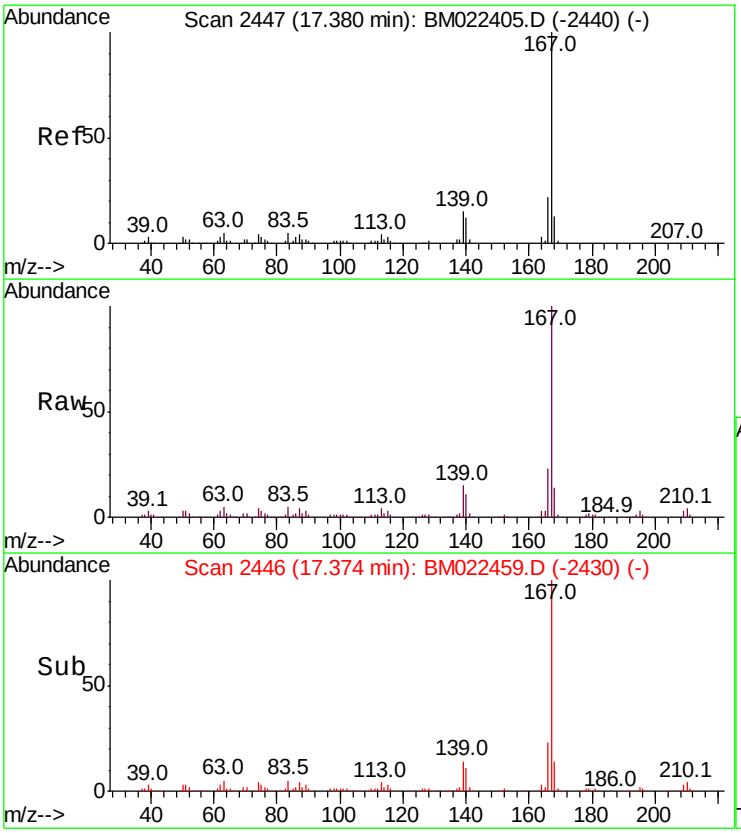
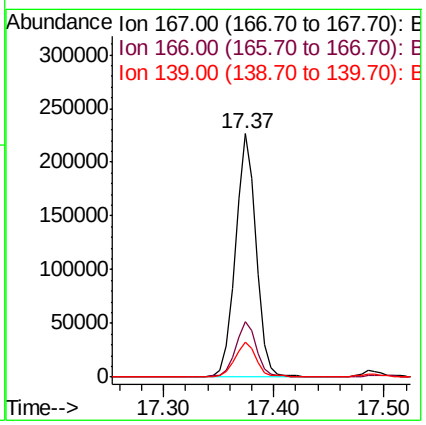
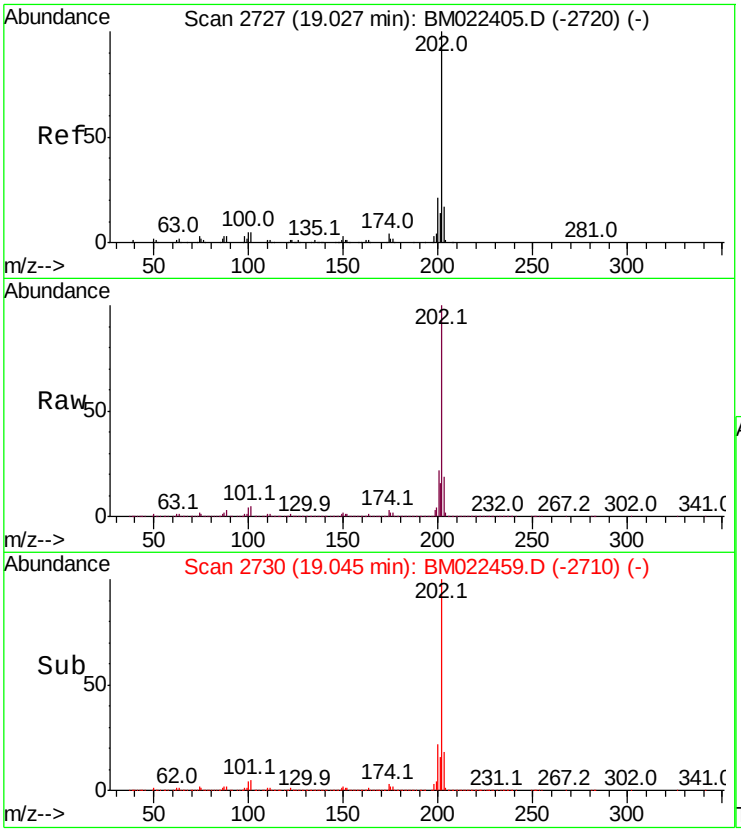


#73
Carbazole
Concen: 70.808 ng
RT: 17.37 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:167 Resp: 297726

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.8	26.6
139	14.6	11.6	17.4

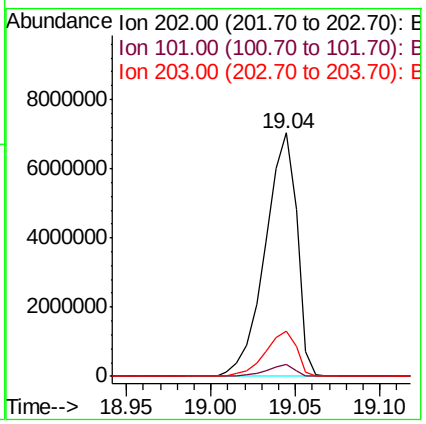




#75
Fluoranthene
Concen: 1332.477 ng
RT: 19.04 min Scan# 2730
Delta R.T. 0.02 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:202 Resp: 9174253

Ion	Ratio	Lower	Upper
202	100		
101	4.9	0.0	25.1
203	18.5	0.0	37.1



Instrument :
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ClientSampleId :
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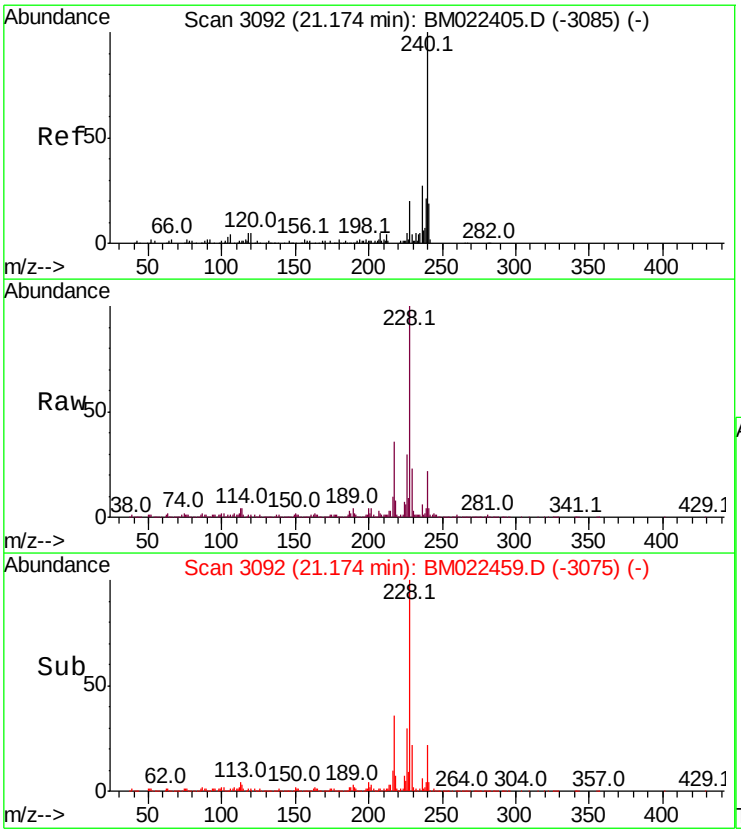
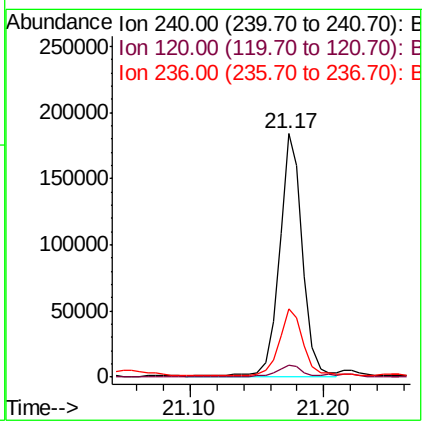
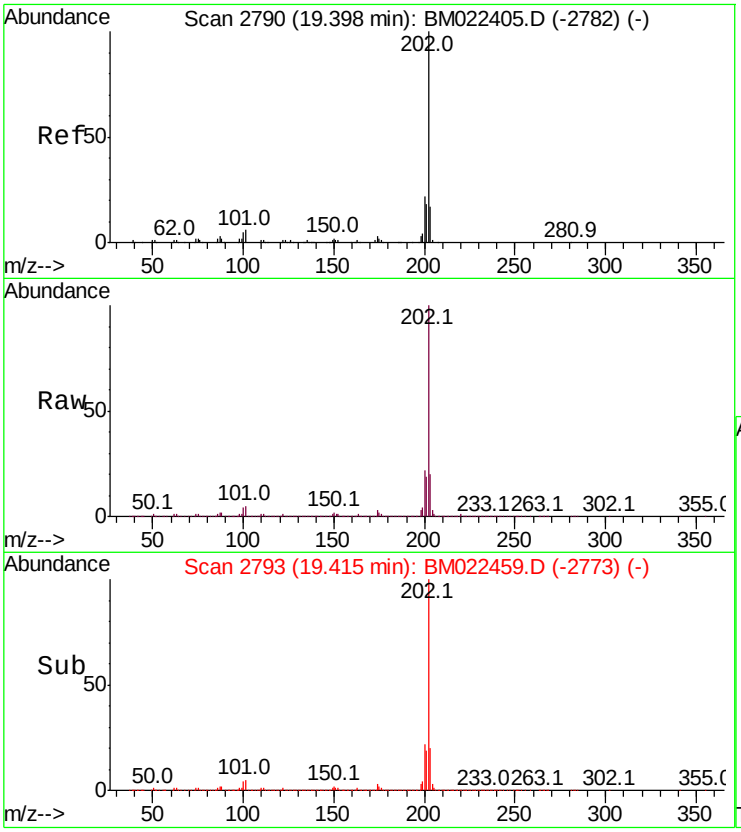


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3092
Delta R.T. -0.00 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:240 Resp: 218168

Ion	Ratio	Lower	Upper
240	100		
120	4.8	3.9	5.9
236	27.9	21.4	32.2

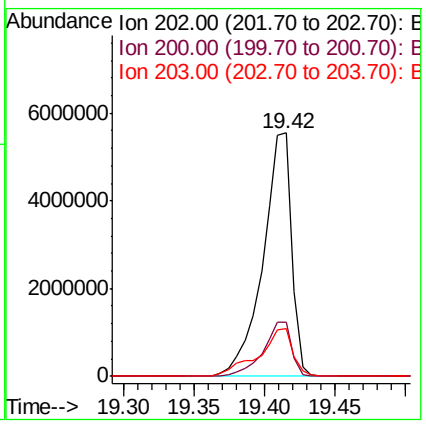




#78
Pyrene
Concen: 533.531 ng
RT: 19.42 min Scan# 2793
Delta R.T. 0.02 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:202 Resp: 7932626

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.7	26.5
203	19.8	13.8	20.8



Instrument :
BNA_M
ClientSampleId :
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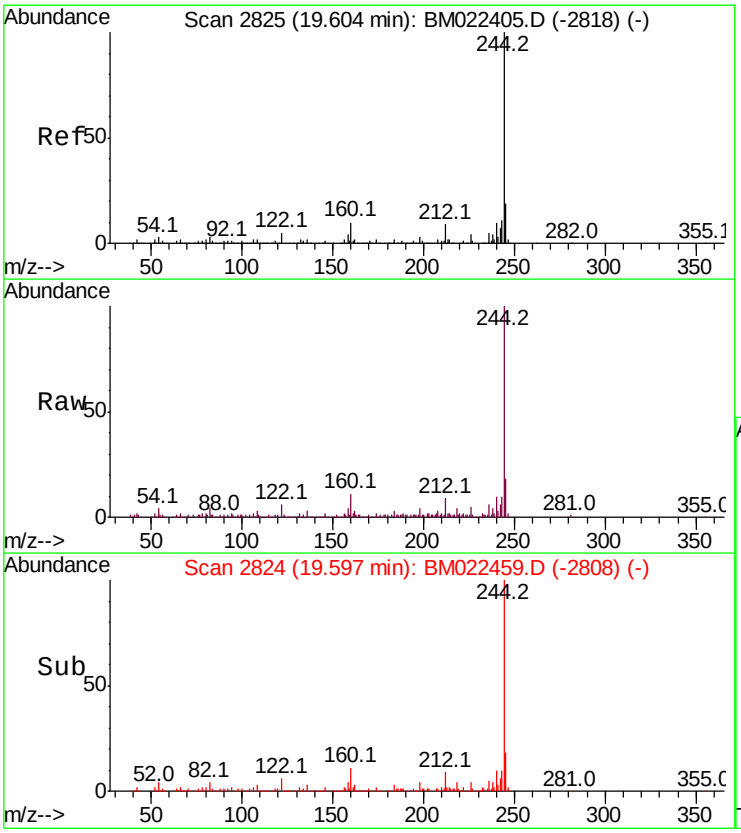
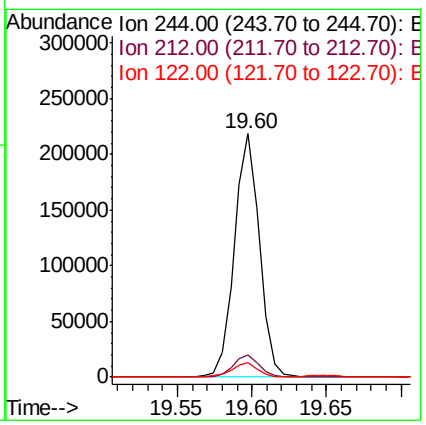
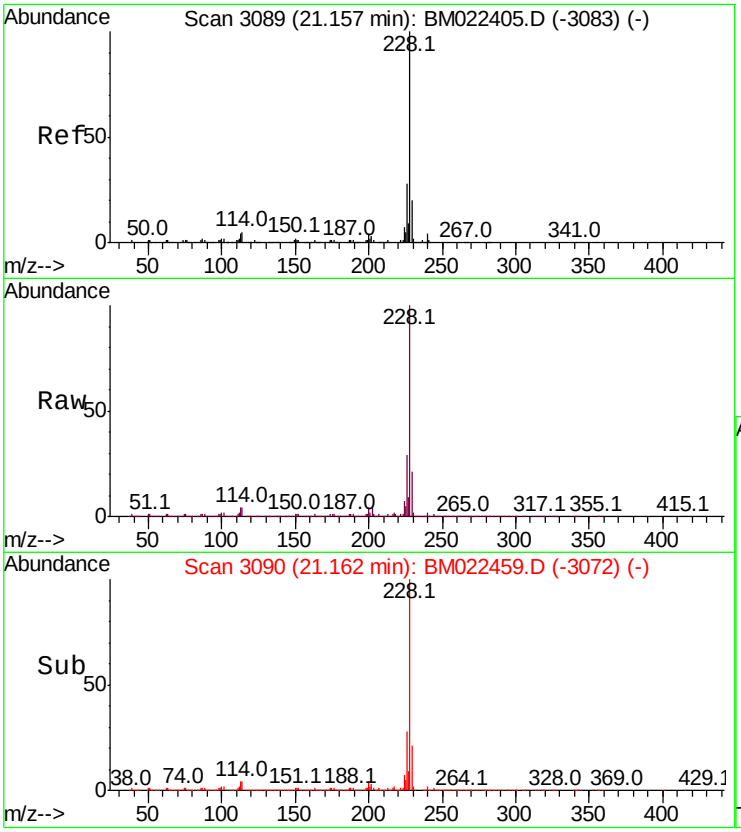


#79
Terphenyl-d14
Concen: 15.456 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:244 Resp: 255509

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.0	10.4
122	5.9	3.9	5.9#

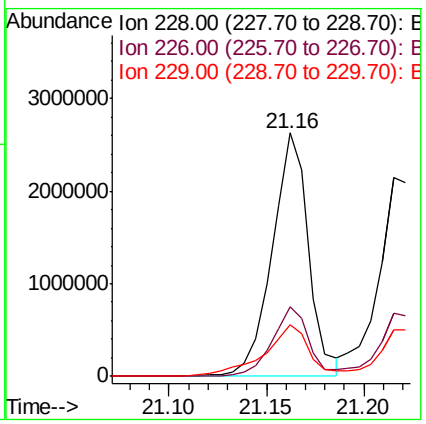




#81
Benzo(a)anthracene
Concen: 214.562 ng
RT: 21.16 min Scan# 3090
Delta R.T. 0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:228 Resp: 3359885

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	21.0	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
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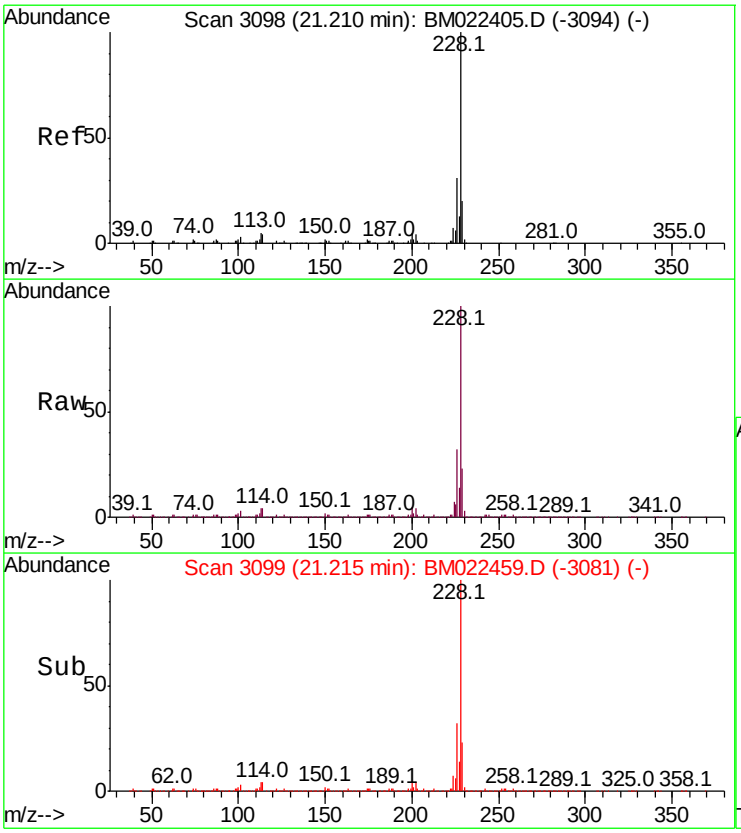
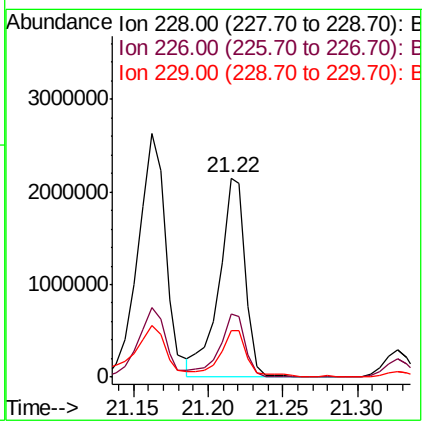
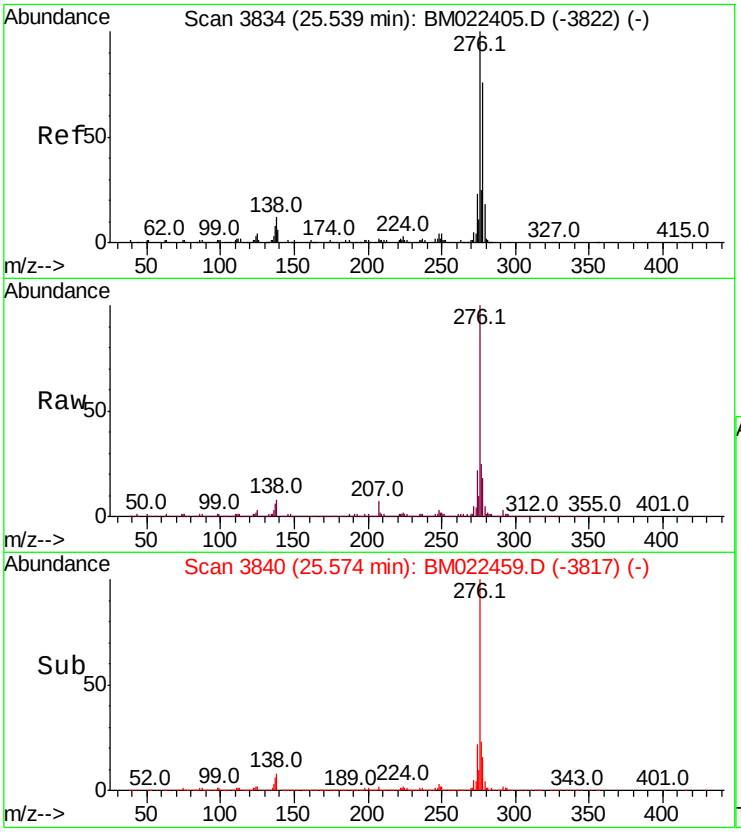


#83
Chrysene
Concen: 178.761 ng
RT: 21.22 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:228 Resp: 2664404

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.5	36.7
229	23.5	15.7	23.5

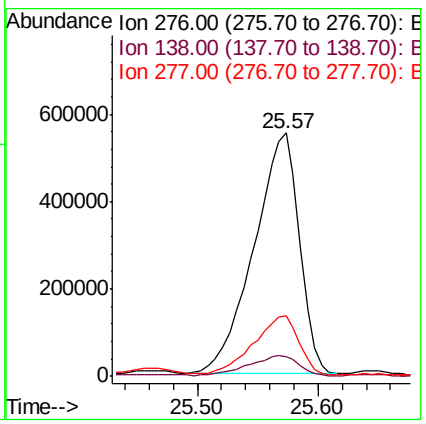




#86
Indeno(1,2,3-cd)pyrene
Concen: 95.402 ng
RT: 25.57 min Scan# 3840
Delta R.T. 0.03 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:276 Resp: 1430297

Ion	Ratio	Lower	Upper
276	100		
138	9.1	9.1	13.7
277	24.3	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SB-4-14-16

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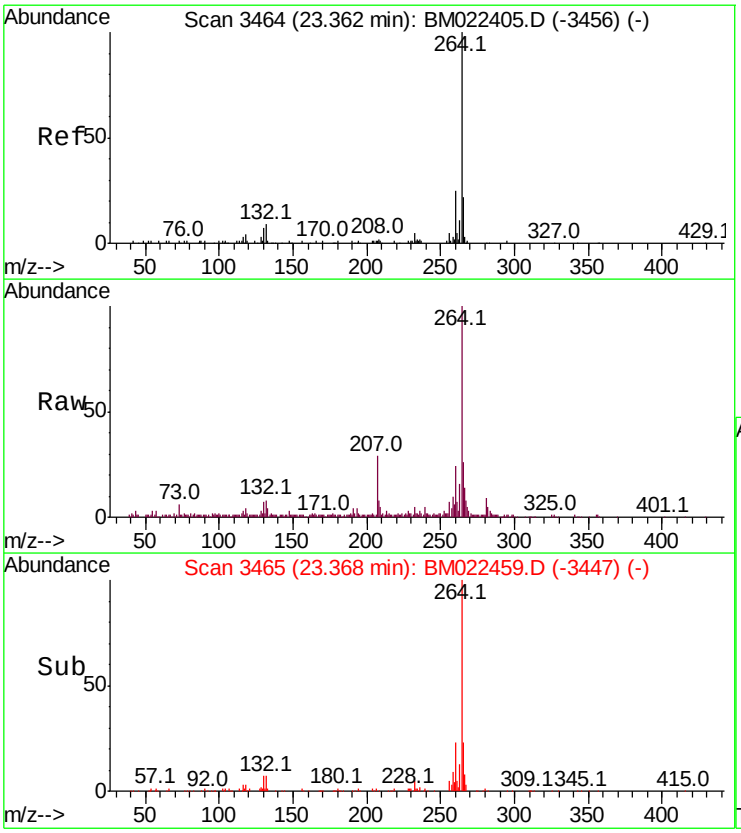
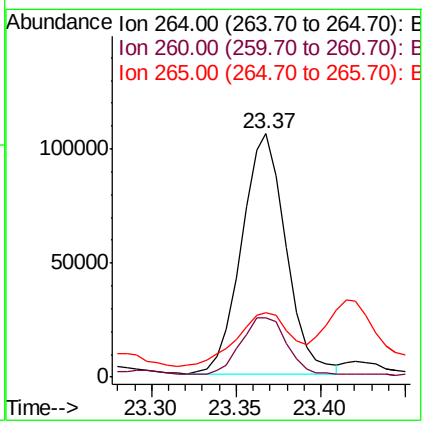
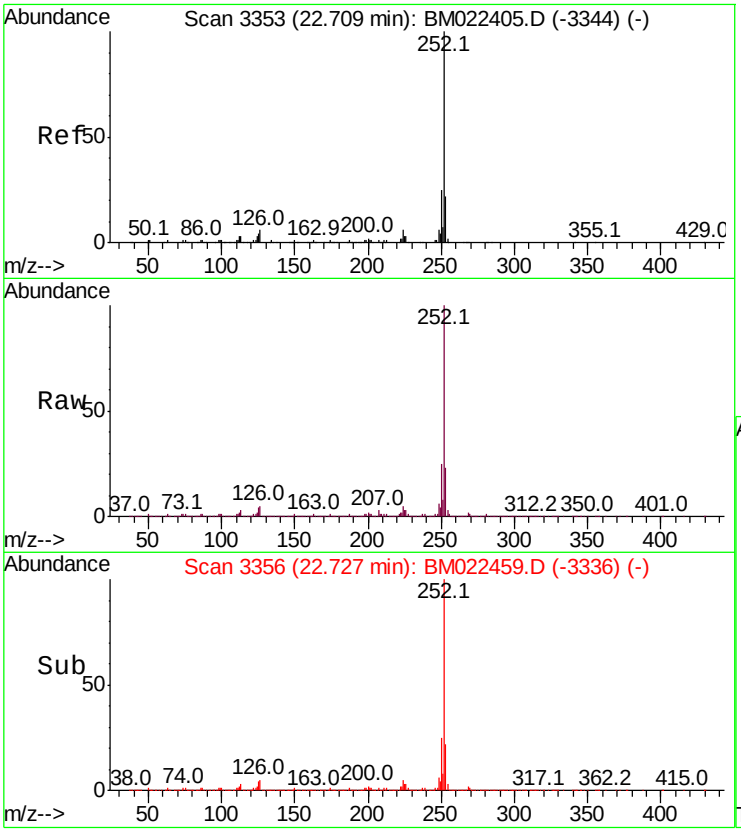


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:264 Resp: 191848

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.2	30.2
265	26.5	18.2	27.2

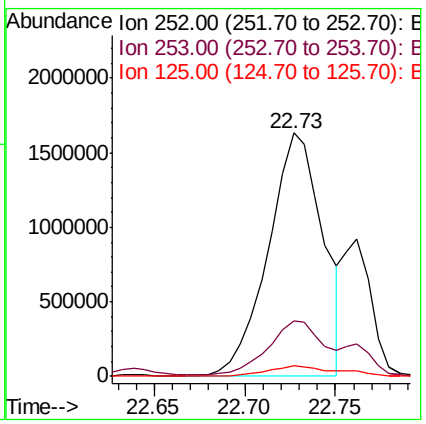




#88
Benzo(b)fluoranthene
Concen: 257.204 ng
RT: 22.73 min Scan# 3356
Delta R.T. 0.02 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:252 Resp: 3427983

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	4.1	3.5	5.3



Instrument :
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ClientSampleId :
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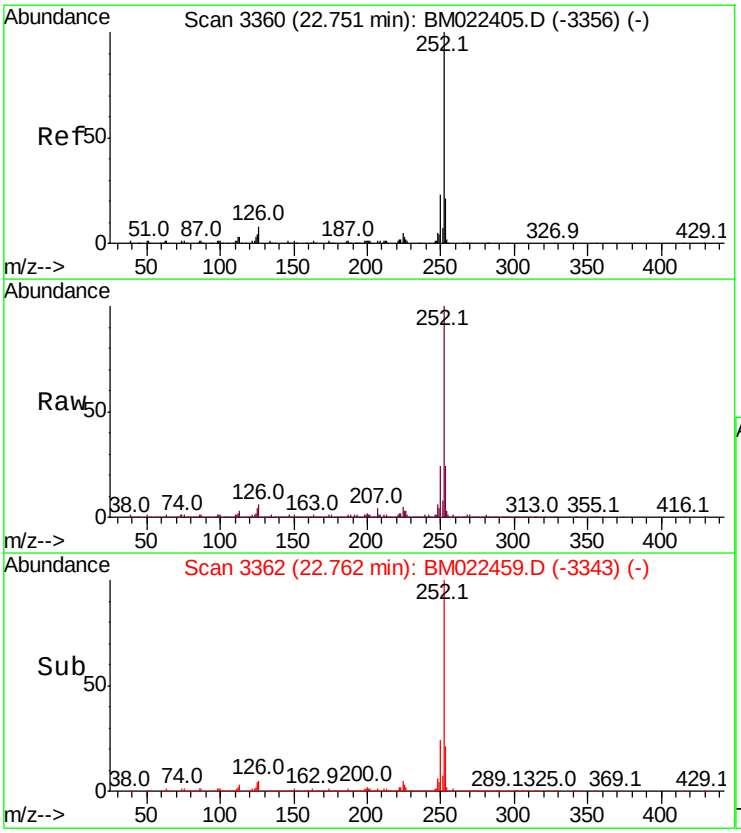
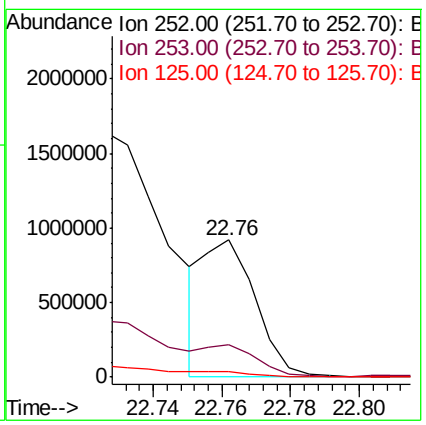
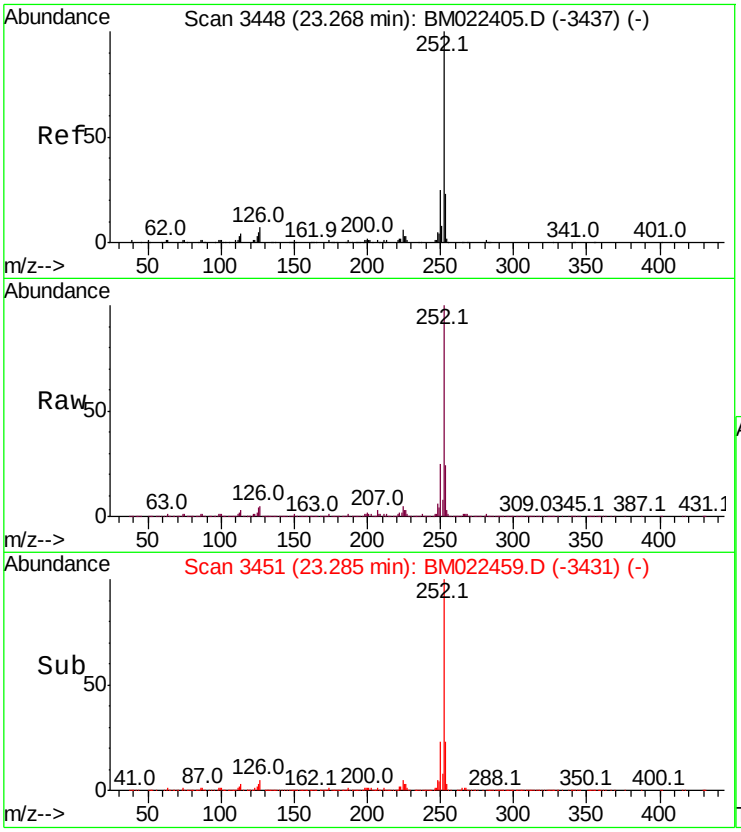


#89
Benzo(k)fluoranthene
Concen: 73.513 ng m
RT: 22.76 min Scan# 3362
Delta R.T. 0.01 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:252 Resp: 971953

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	3.8	3.7	5.5

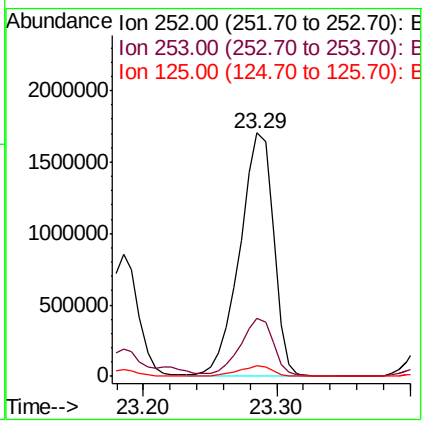




#90
Benzo(a)pyrene
Concen: 250.702 ng
RT: 23.29 min Scan# 3451
Delta R.T. 0.02 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:252 Resp: 2965758

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	4.2	3.8	5.8



Instrument :
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ClientSampleId :
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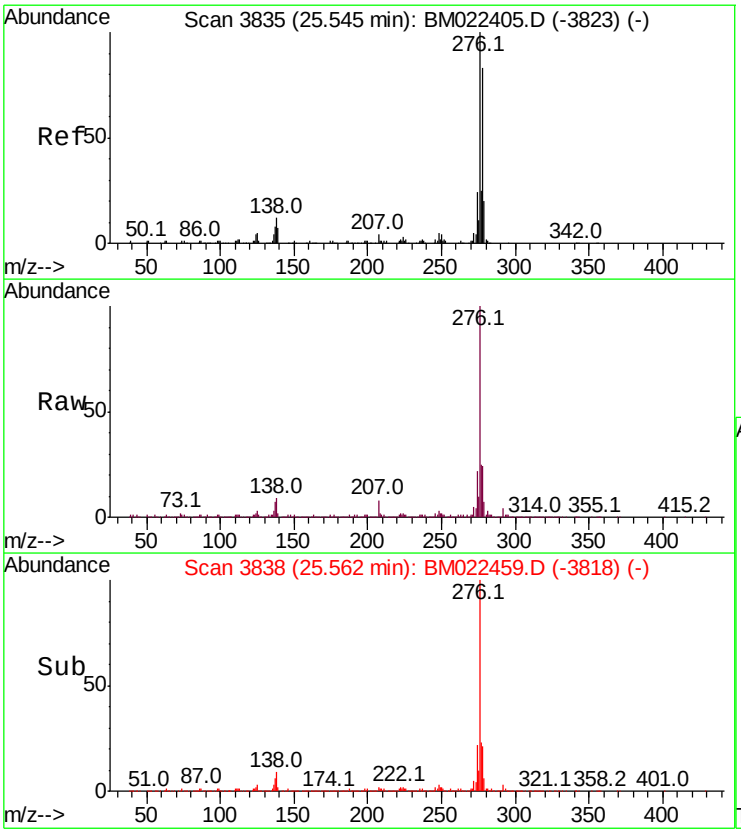
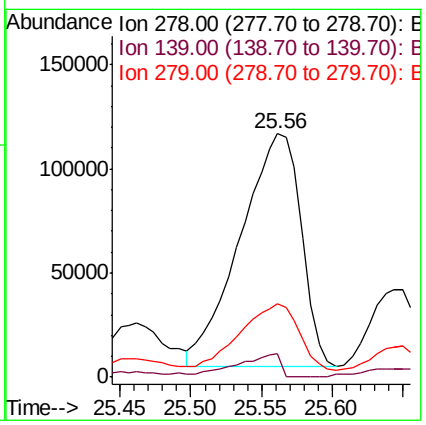
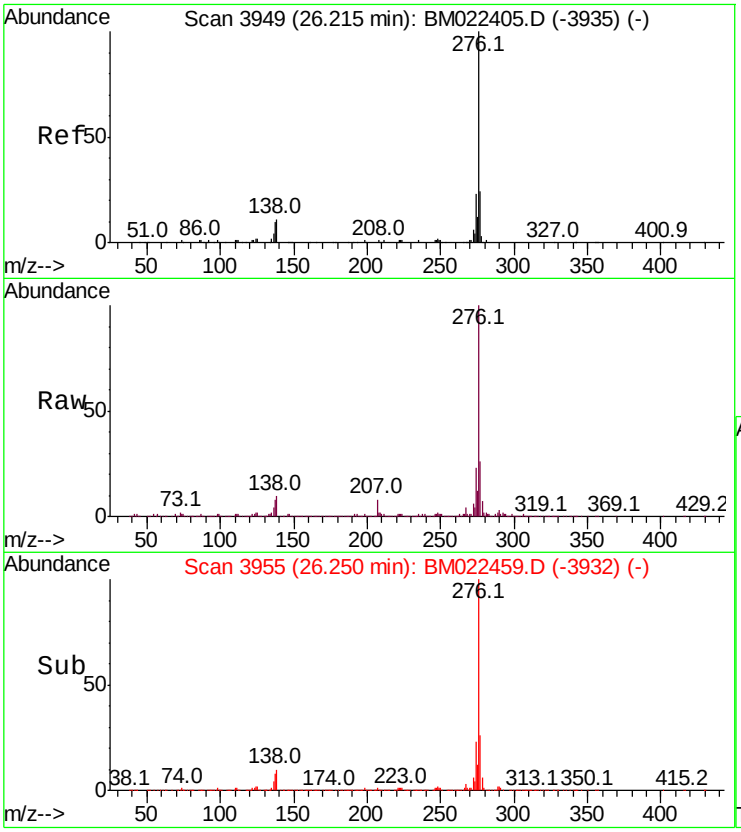


#91
Dibenzo(a,h)anthracene
Concen: 28.731 ng
RT: 25.56 min Scan# 3838
Delta R.T. 0.02 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:278 Resp: 338910

Ion	Ratio	Lower	Upper
278	100		
139	9.4	6.6	9.8
279	30.3	19.3	28.9#

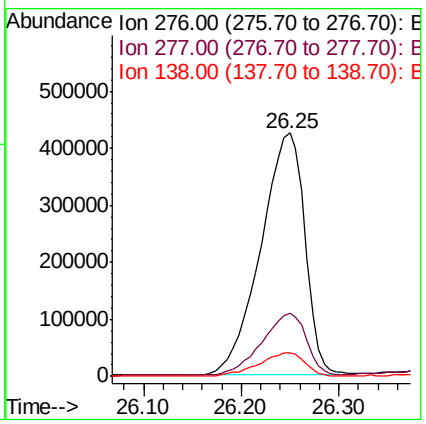




#92
Benzo(g,h,i)perylene
Concen: 130.191 ng
RT: 26.25 min Scan# 3955
Delta R.T. 0.03 min
Lab File: BM022459.D
Acq: 31 Aug 2019 02:13

Tgt Ion:276 Resp: 1338466

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.4	29.0
138	9.7	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
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