Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091119\
Data File : BN007592.D
Acq On : 11 Sep 2019 17:40
Operator : HP/JU
Sample : PB122882BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122882BSD

Manual Integrations APPROVED
mohammad
9/16/2019 9:00:57 AM

Quant Time: Sep 11 18:22:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 11 14:14:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	6394	0.40	ng		0.00
7) Naphthalene-d8	10.49	136	25401	0.40	ng		0.00
13) Acenaphthene-d10	14.35	164	15324	0.40	ng		0.00
19) Phenanthrene-d10	17.08	188	32694	0.40	ng		-0.01
27) Chrysene-d12	21.28	240	34639	0.40	ng		-0.01
34) Perylene-d12	23.51	264	36870	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.34	112	8386	0.43	ng		0.00
5) Phenol-d6	6.90	99	10791	0.41	ng		0.00
8) Nitrobenzene-d5	8.86	82	9170	0.59	ng		0.00
11) 2-Methylnaphthalene-d10	12.09	152	18521	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.83	330	2580	0.44	ng		-0.01
15) 2-Fluorobiphenyl	12.97	172	25490	0.40	ng		-0.01
25) Fluoranthene-d10	19.12	212	46134	0.43	ng		0.00
29) Terphenyl-d14	19.73	244	38551	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	3211	0.519	ng		87
3) n-Nitrosodimethylamine	3.03	42	1912	0.501	ng	#	100
6) bis(2-Chloroethyl)ether	7.16	93	8943	0.666	ng	#	76
9) Naphthalene	10.54	128	31005	0.434	ng		99
10) Hexachlorobutadiene	10.85	225	6483	0.453	ng	#	100
12) 2-Methylnaphthalene	12.16	142	21193	0.423	ng		99
16) Acenaphthylene	14.06	152	32066	0.390	ng		100
17) Acenaphthene	14.40	154	20481	0.394	ng		99
18) Fluorene	15.39	166	26399	0.386	ng		100
20) 4-Bromophenyl-phenylether	16.28	248	8550	0.442	ng	#	86
21) Hexachlorobenzene	16.40	284	9158	0.450	ng		98
22) Pentachlorophenol	16.74	266	2748	0.575	ng		100
23) Phenanthrene	17.12	178	43661	0.433	ng		100
24) Anthracene	17.22	178	40215	0.432	ng		99
26) Fluoranthene	19.15	202	52494	0.429	ng		100
28) Pyrene	19.51	202	53793	0.432	ng		100
30) Benzo(a)anthracene	21.26	228	53281	0.430	ng		100
31) Chrysene	21.31	228	53319	0.423	ng		99
32) Bis(2-ethylhexyl)phthalate	21.23	149	25499	0.601	ng		97
33) Indeno(1,2,3-cd)pyrene	25.73	276	58886	0.442	ng	#	100
35) Benzo(b)fluoranthene	22.84	252	52690	0.402	ng		99
36) Benzo(k)fluoranthene	22.88	252	53611m	0.414	ng		
37) Benzo(a)pyrene	23.41	252	48793	0.419	ng		99
38) Dibenzo(a,h)anthracene	25.75	278	48760	0.417	ng		99
39) Benzo(g,h,i)perylene	26.40	276	47795	0.403	ng		99

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

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Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB122882BSD

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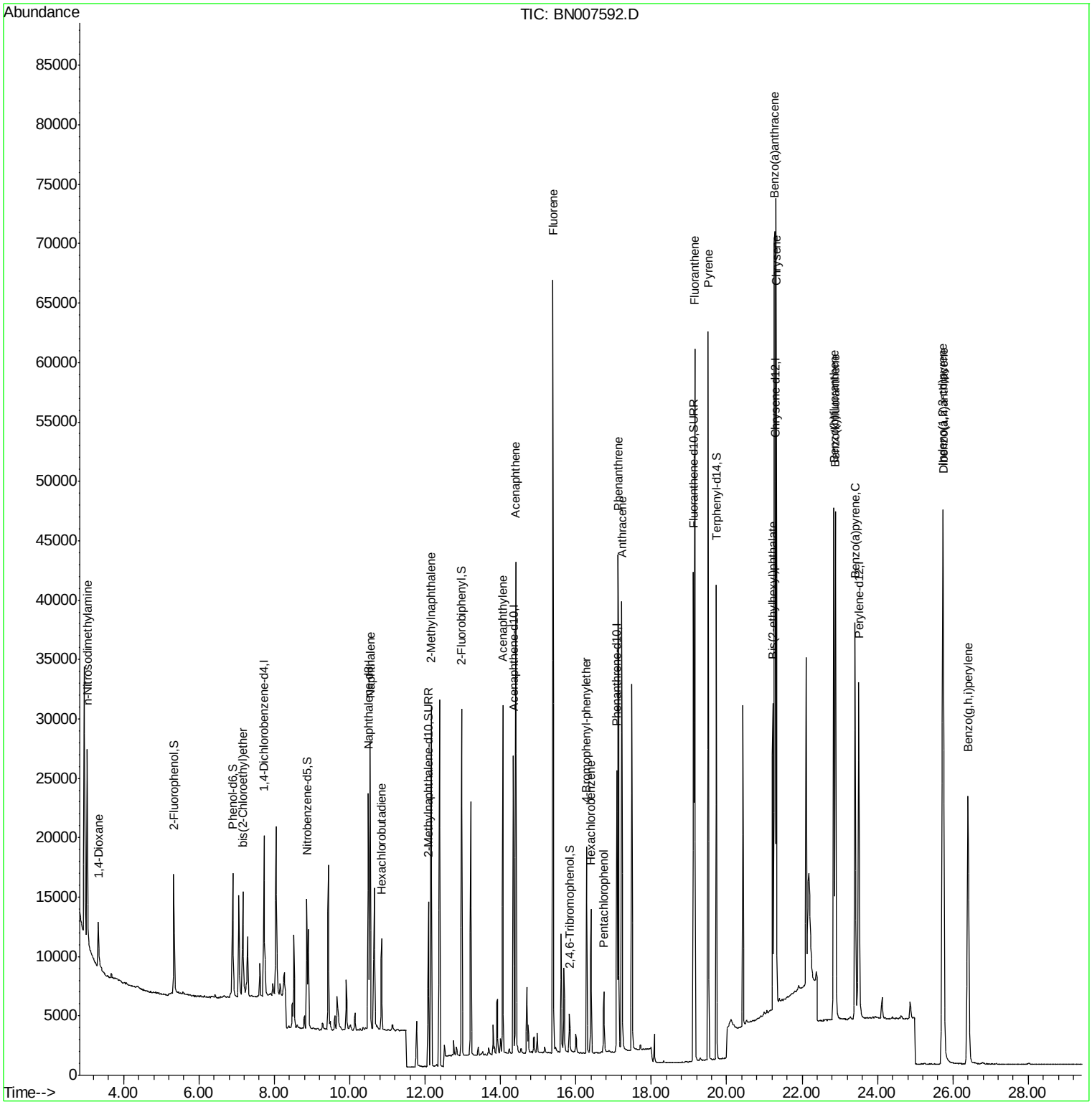
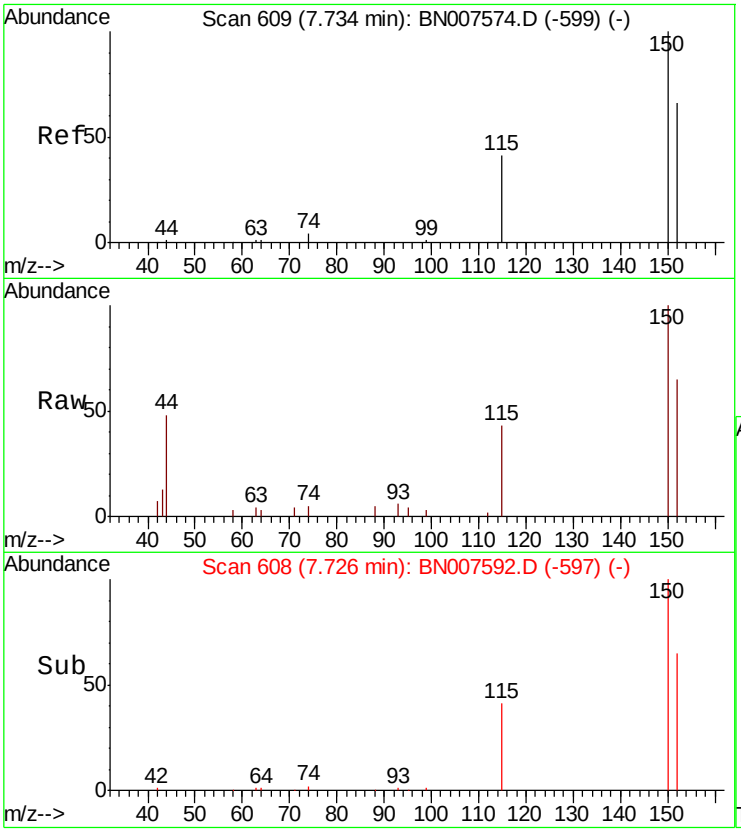
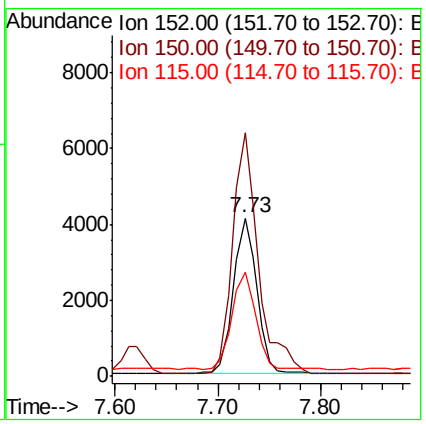




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:152 Resp: 6394

Ion	Ratio	Lower	Upper
152	100		
150	154.3	119.5	179.3
115	66.0	53.0	79.6



Instrument :
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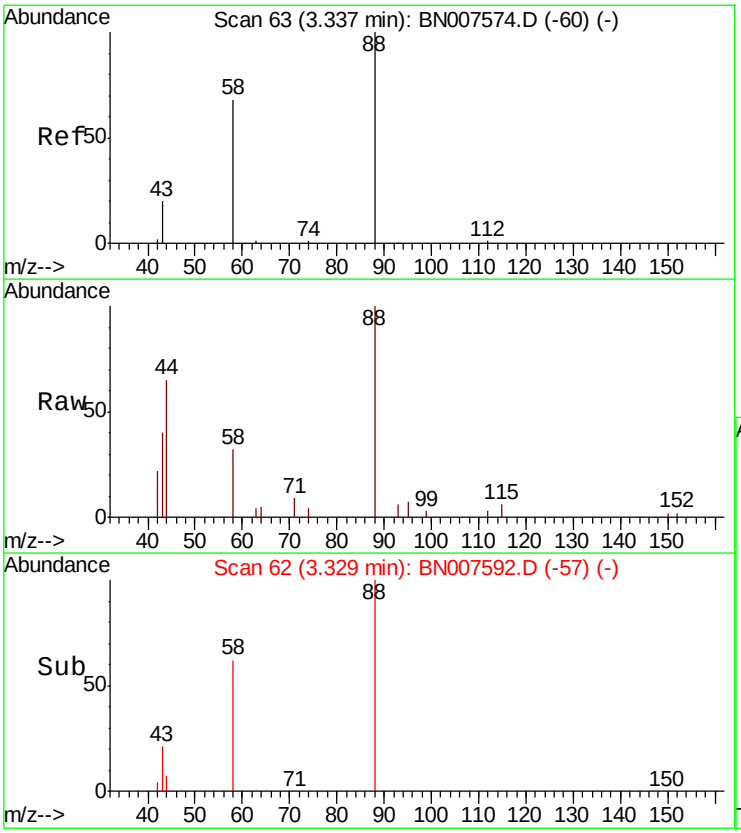
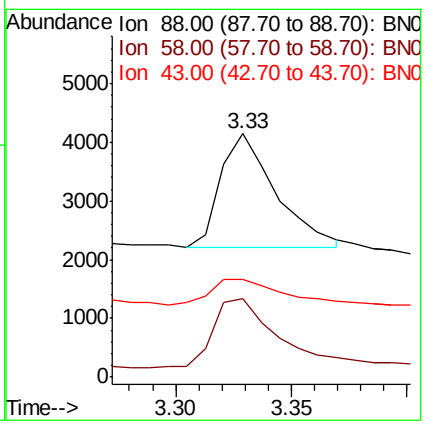
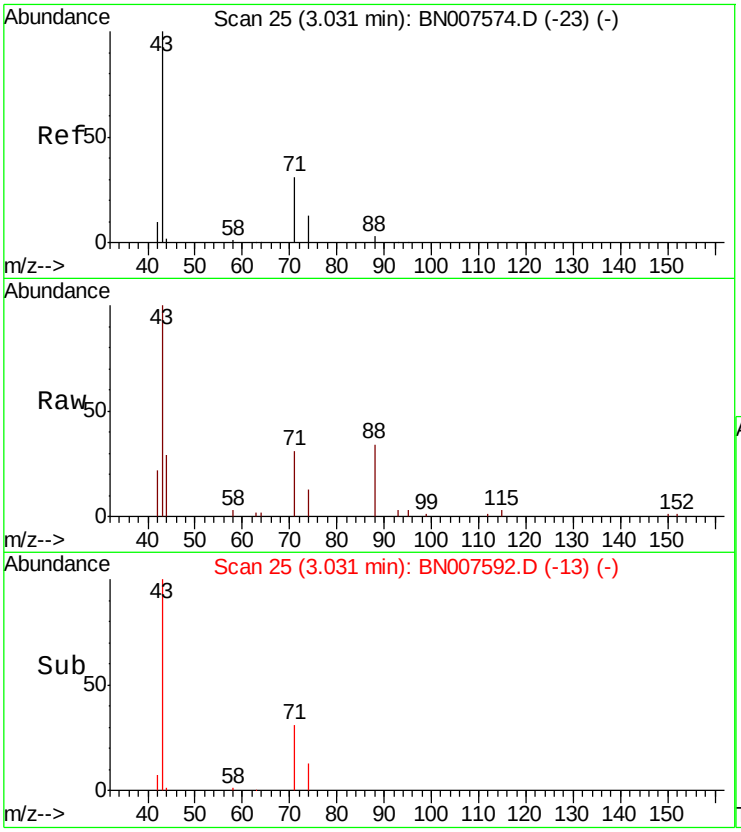


#2
1,4-Dioxane
Concen: 0.519 ng
RT: 3.33 min Scan# 62
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion: 88 Resp: 3211

Ion	Ratio	Lower	Upper
88	100		
58	68.2	64.6	96.8
43	28.1	19.2	28.8





#3
n-Nitrosodimethylamine
Concen: 0.501 ng
RT: 3.03 min Scan# 25
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion: 42 Resp: 1912

Ion	Ratio	Lower	Upper
42	100		
74	115.8	0.0	0.0#
44	36.4	0.0	0.0#

Instrument :
BNA_N
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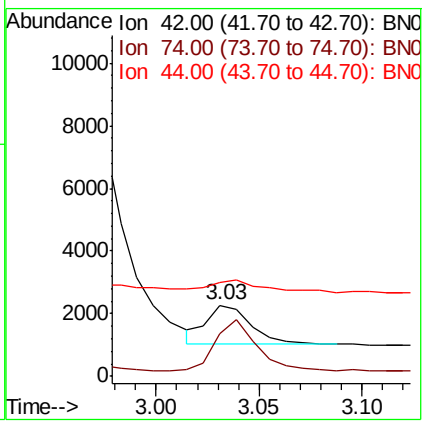
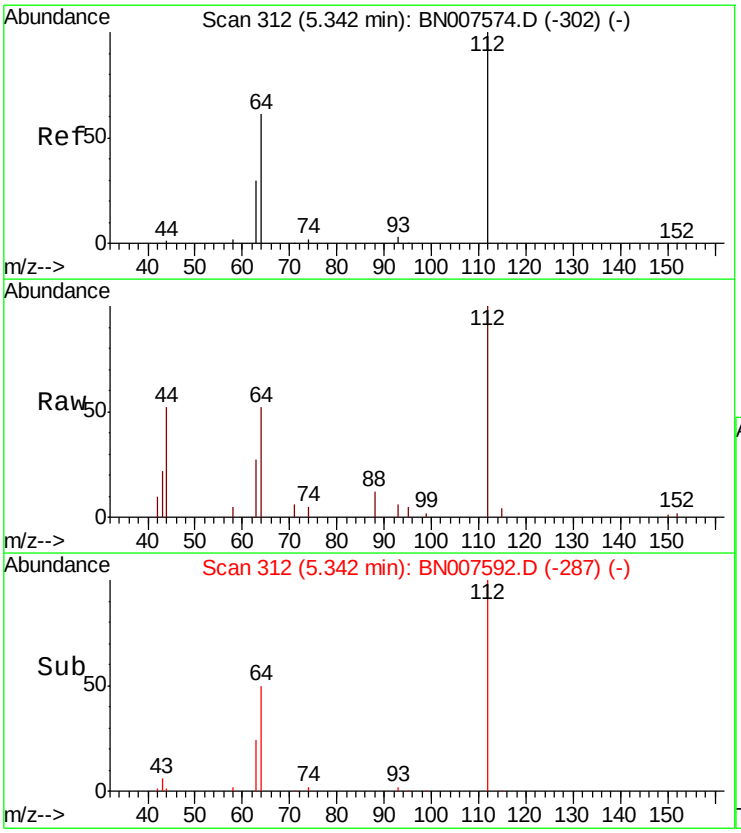
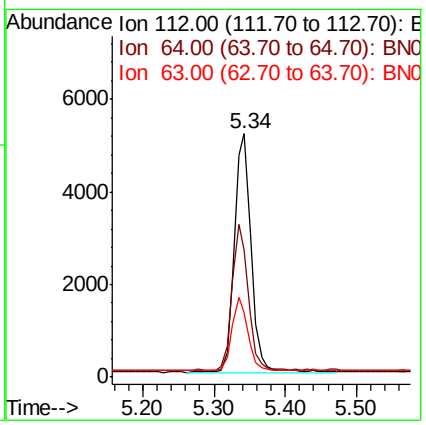


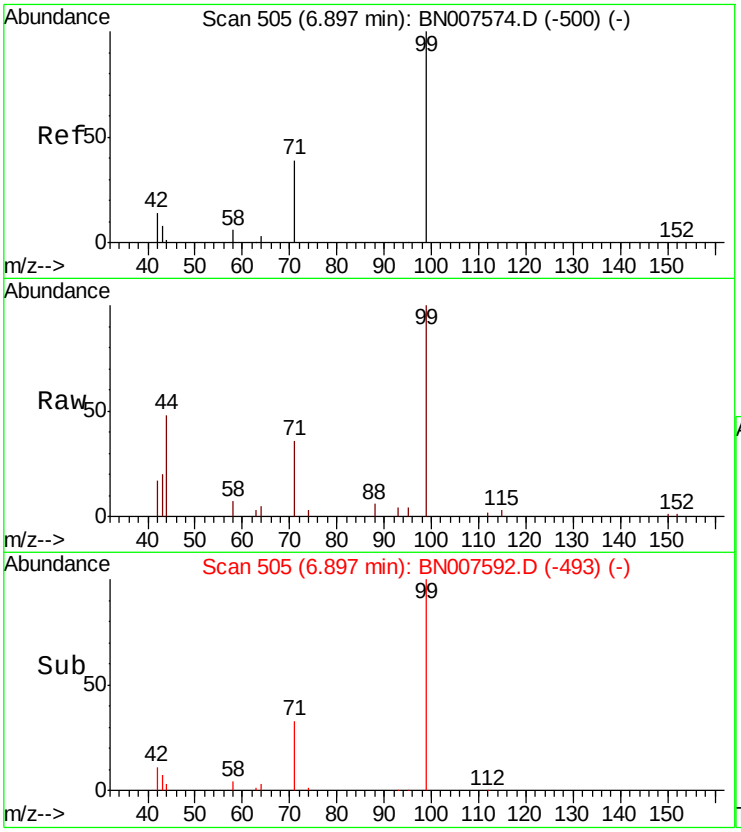


#4
2-Fluorophenol
Concen: 0.431 ng
RT: 5.34 min Scan# 312
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:112 Resp: 8386

Ion	Ratio	Lower	Upper
112	100		
64	58.4	49.2	73.8
63	29.3	26.0	39.0

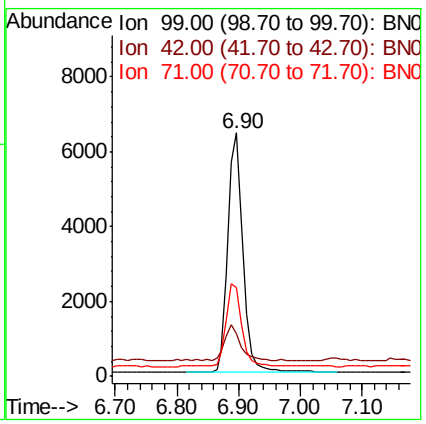




#5
Phenol-d6
Concen: 0.413 ng
RT: 6.90 min Scan# 505
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion: 99 Resp: 10791

Ion	Ratio	Lower	Upper
99	100		
42	15.1	11.8	17.8
71	34.6	28.8	43.2



Instrument :
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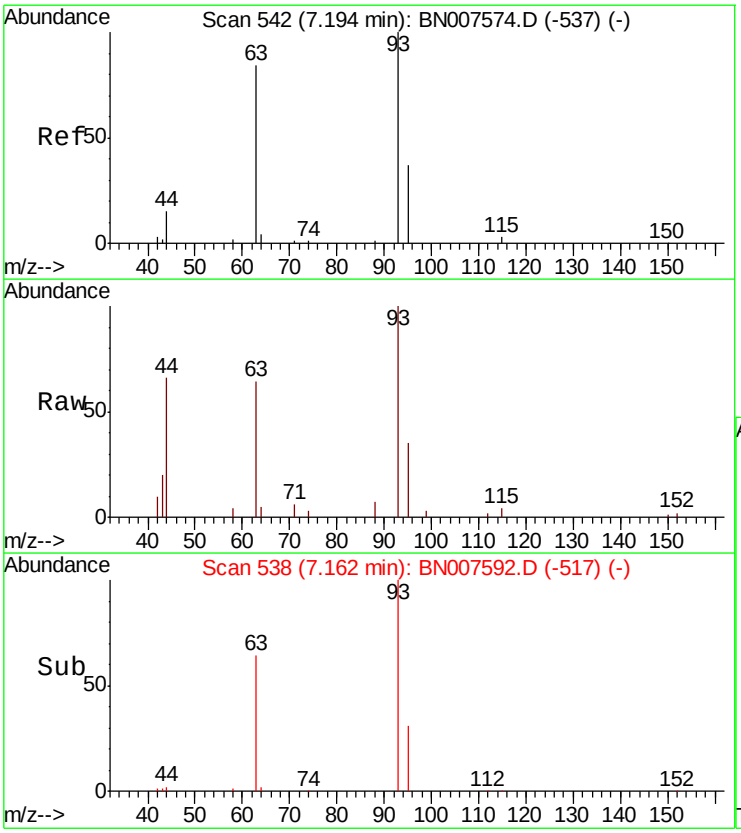
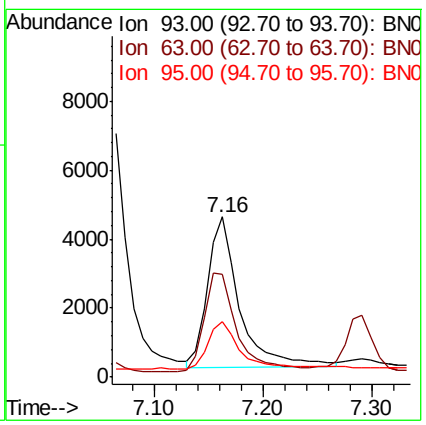
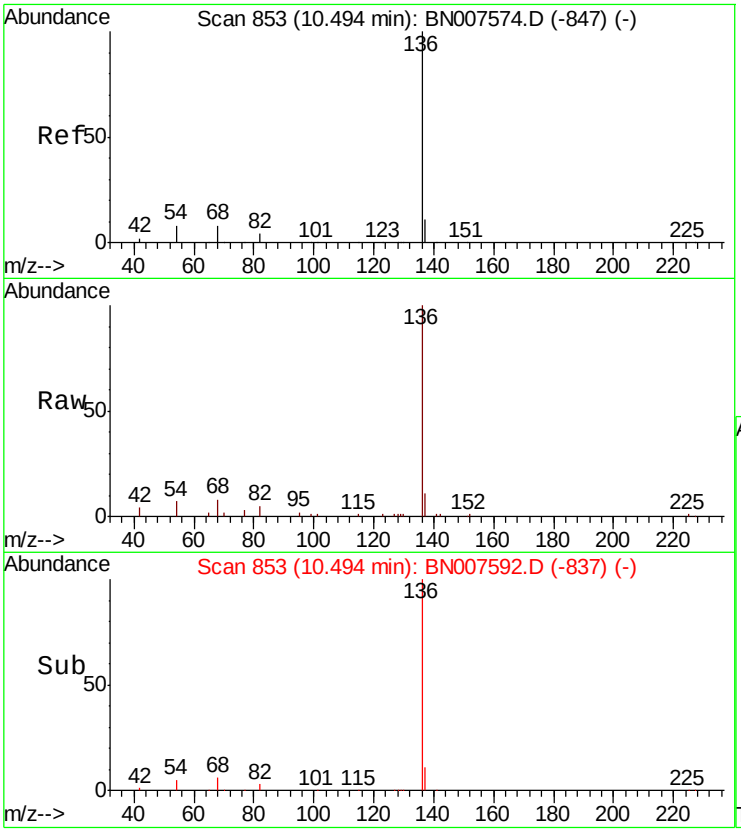


#6
bis(2-Chloroethyl)ether
Concen: 0.666 ng
RT: 7.16 min Scan# 538
Delta R.T. -0.03 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion: 93 Resp: 8943

Ion	Ratio	Lower	Upper
93	100		
63	67.9	69.8	104.6#
95	32.9	42.8	64.2#

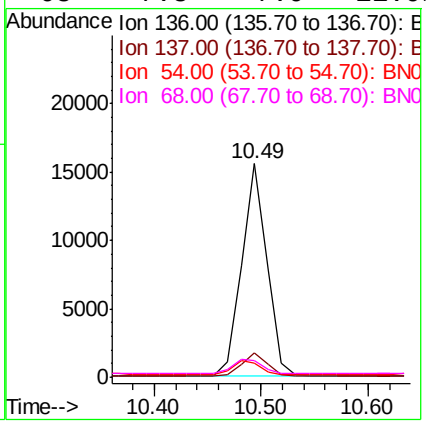




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.49 min Scan# 853
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:136 Resp: 25401

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.7	7.5	11.3#
68	7.8	7.9	11.9#



Instrument :
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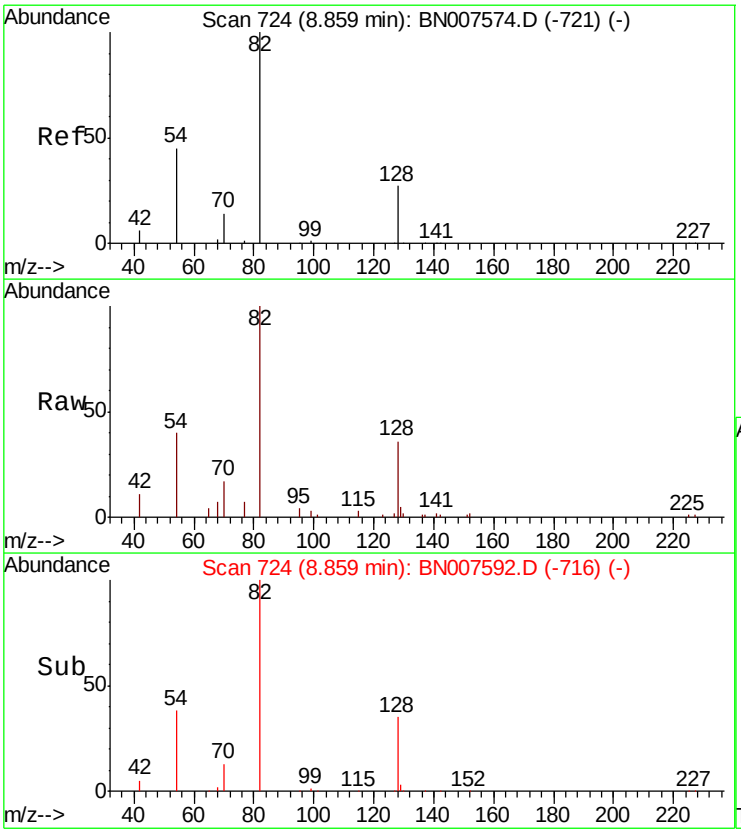
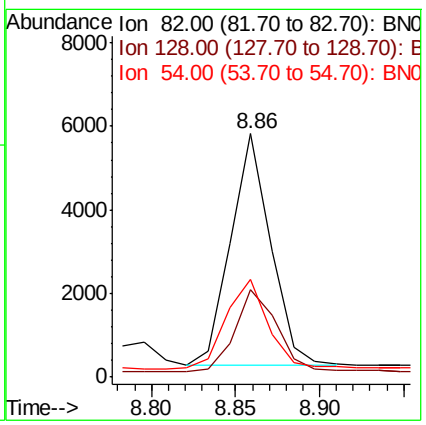
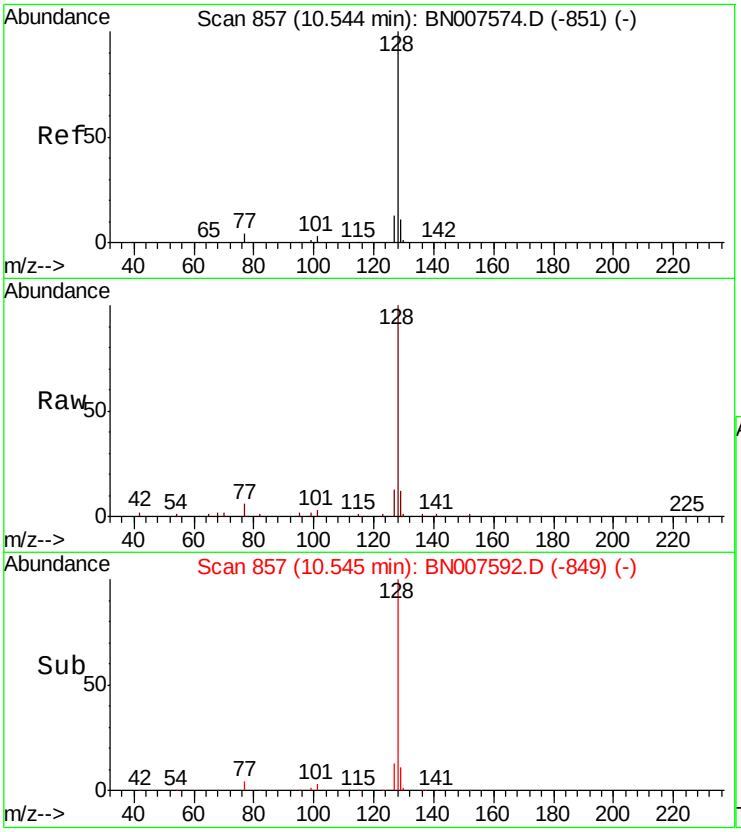


#8
Nitrobenzene-d5
Concen: 0.593 ng
RT: 8.86 min Scan# 724
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion: 82 Resp: 9170

Ion	Ratio	Lower	Upper
82	100		
128	35.7	23.4	35.2#
54	40.0	38.2	57.2

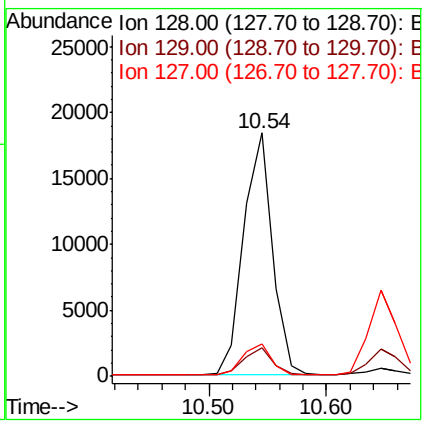




#9
Naphthalene
Concen: 0.434 ng
RT: 10.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:128 Resp: 31005

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.1	11.0	16.4



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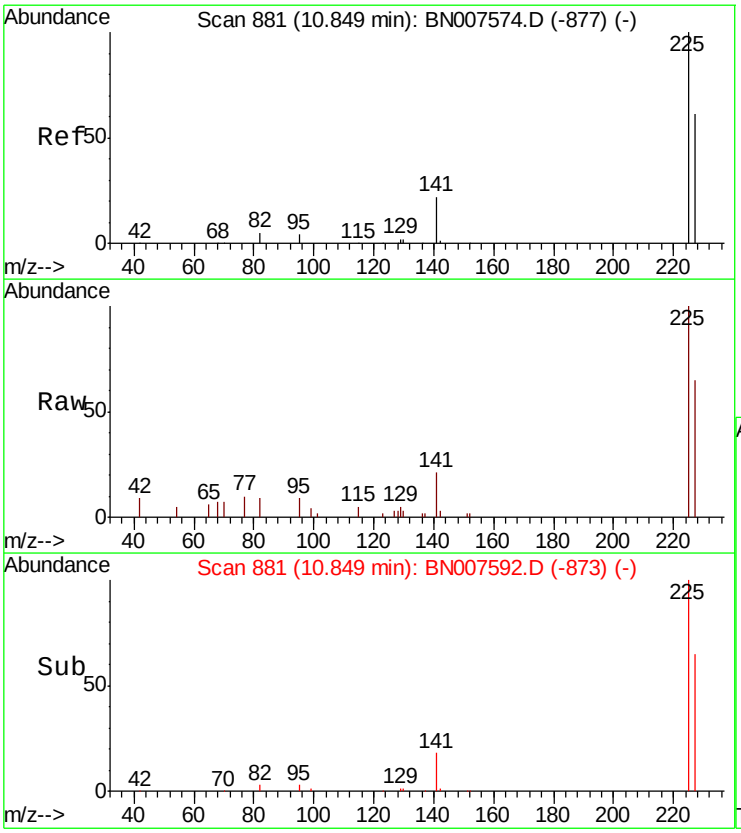
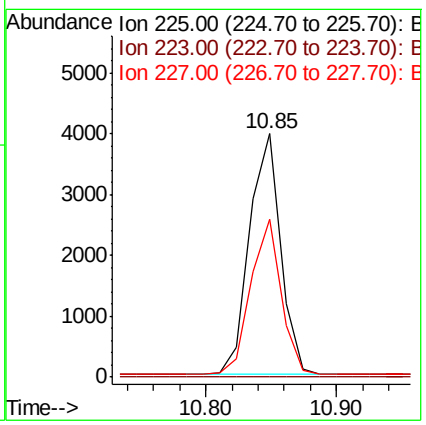
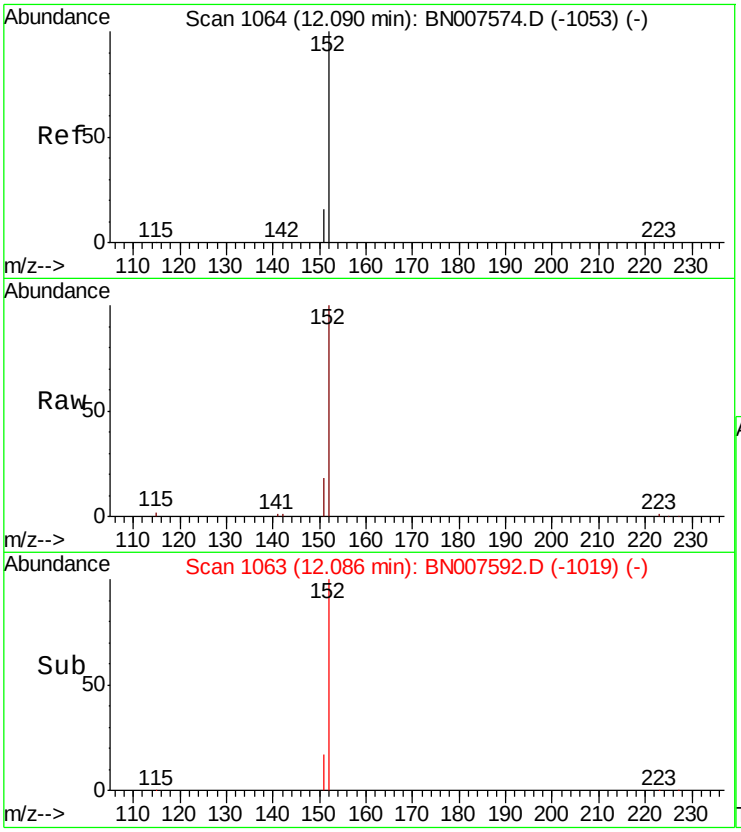


#10
Hexachlorobutadiene
Concen: 0.453 ng
RT: 10.85 min Scan# 881
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:225 Resp: 6483

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.0	50.4	75.6





#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 12.09 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:152 Resp: 18521

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.3	22.9

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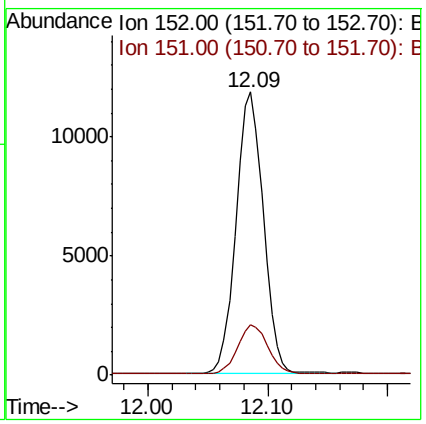
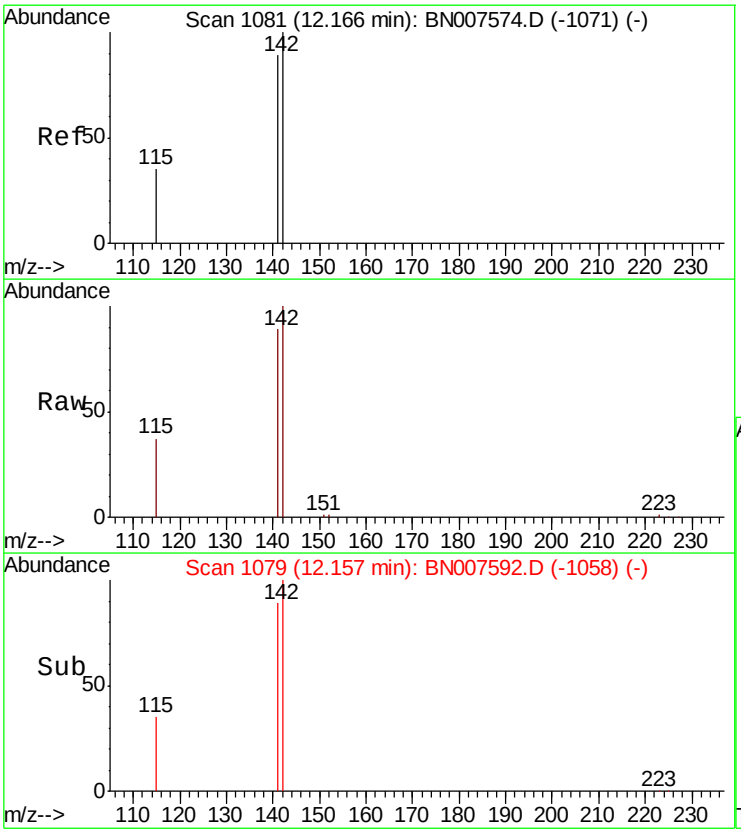
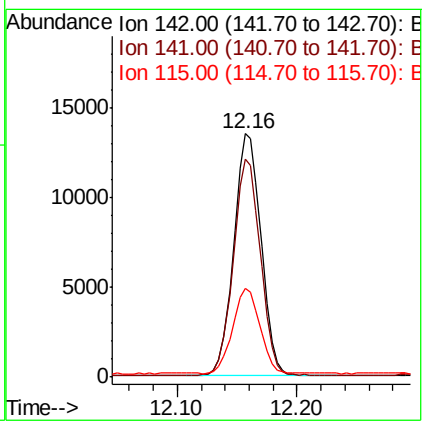


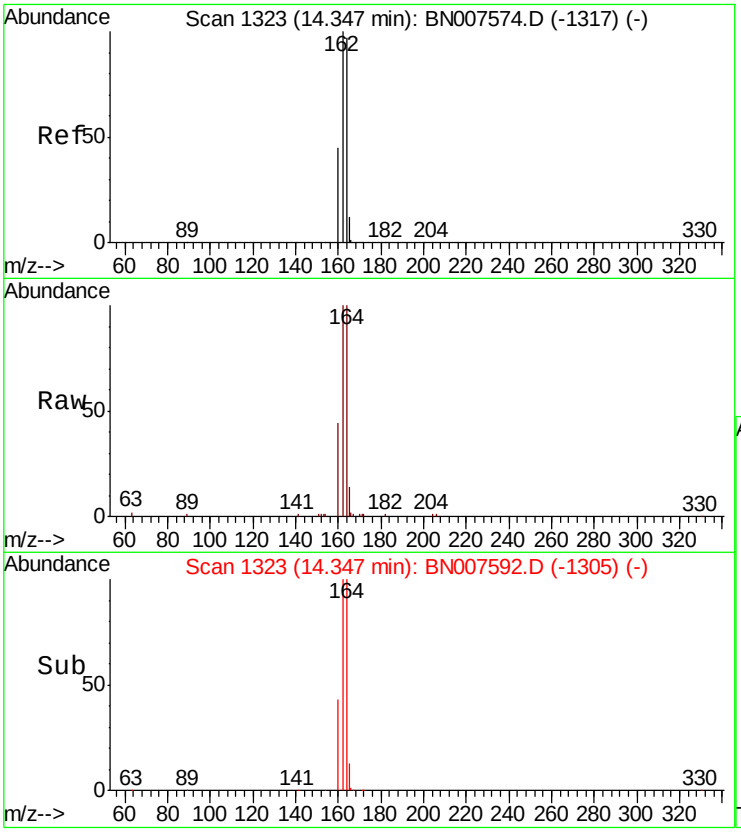


#12
2-Methylnaphthalene
Concen: 0.423 ng
RT: 12.16 min Scan# 1079
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:142 Resp: 21193

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.0	106.6
115	36.6	29.1	43.7

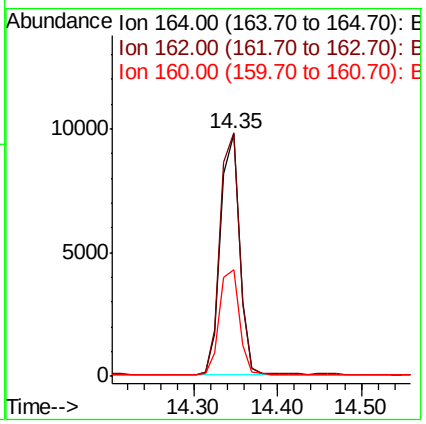




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.35 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:164 Resp: 15324

Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.2	123.2
160	43.7	37.4	56.0



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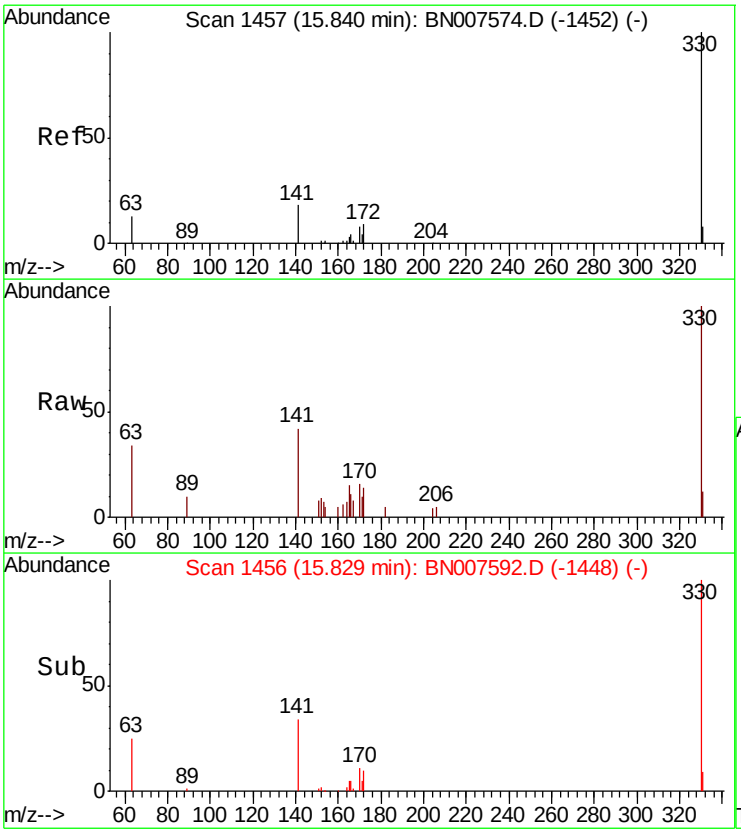
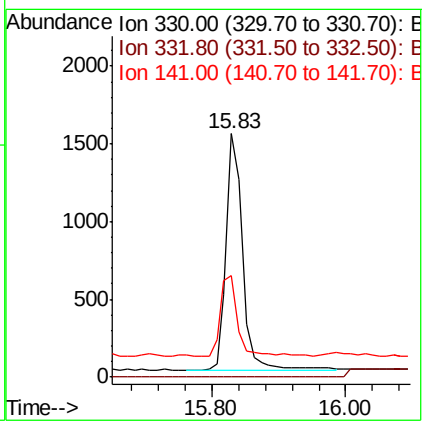
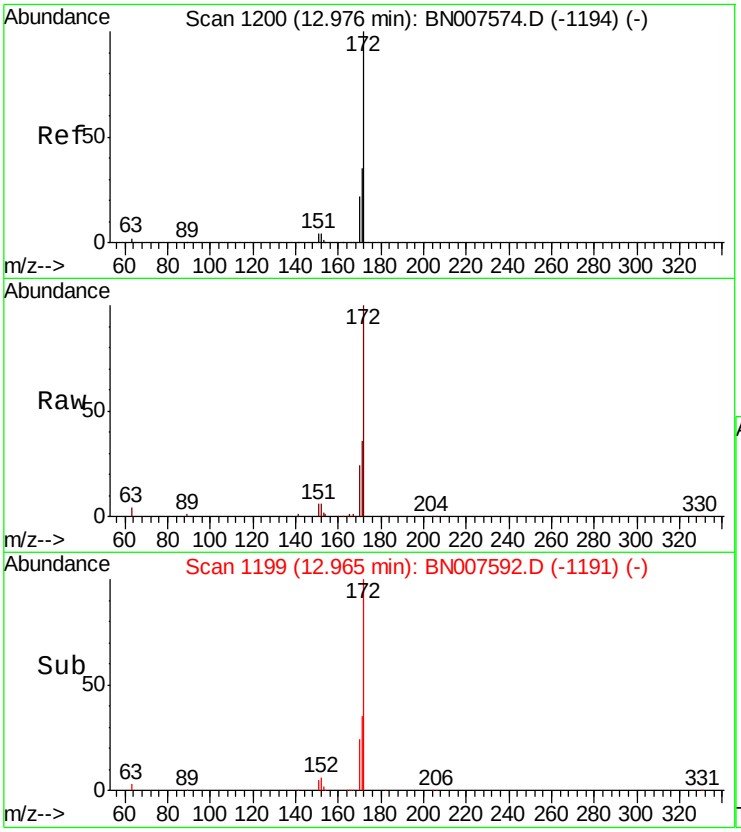


#14
2,4,6-Tribromophenol
Concen: 0.443 ng
RT: 15.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:330 Resp: 2580

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.1	30.6	45.8

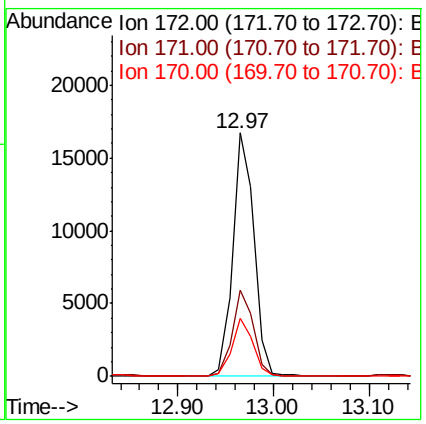




#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:172 Resp: 25490

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	24.0	18.3	27.5



Instrument :
BNA_N
ClientSampleId :
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Manual Integrations APPROVED
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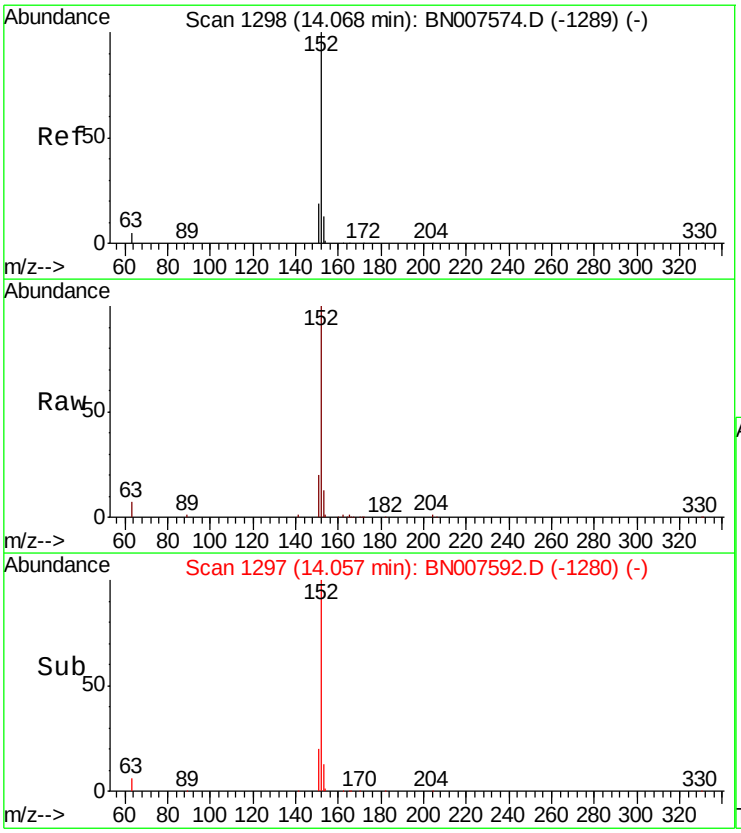
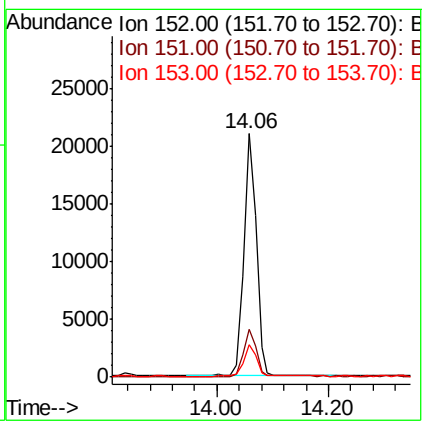
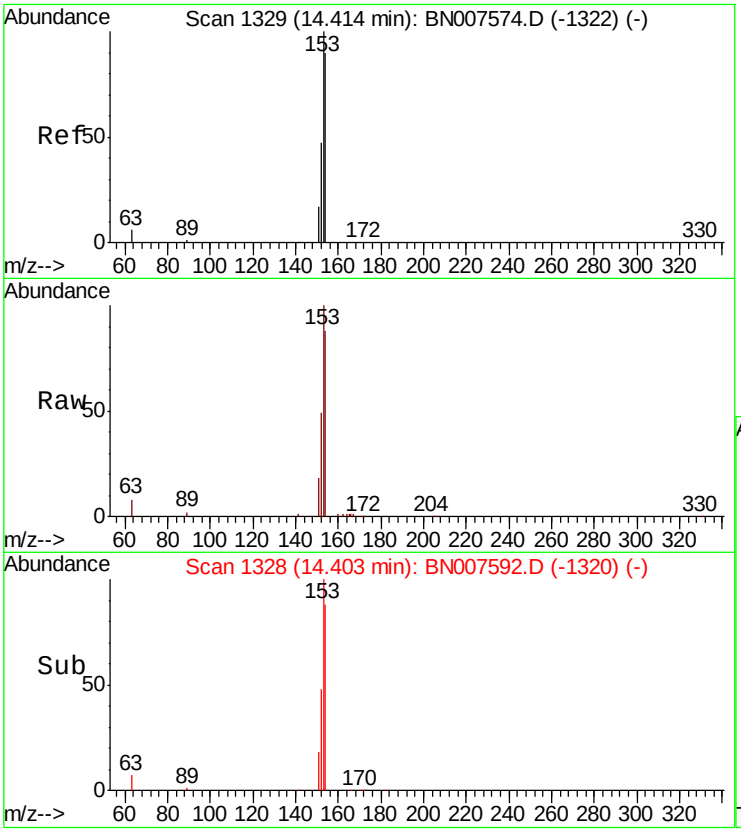


#16
Acenaphthylene
Concen: 0.390 ng
RT: 14.06 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:152 Resp: 32066

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	13.1	10.4	15.6

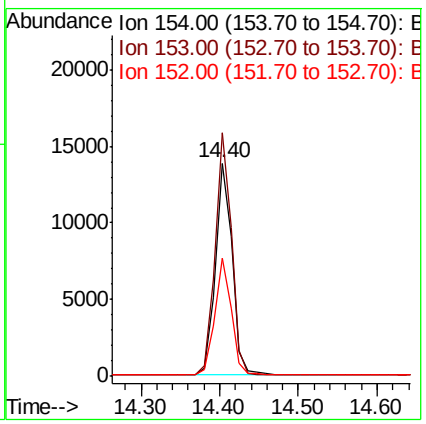




#17
Acenaphthene
Concen: 0.394 ng
RT: 14.40 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:154 Resp: 20481

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.4	134.2
152	53.8	43.4	65.0



Instrument :
BNA_N
ClientSampleId :
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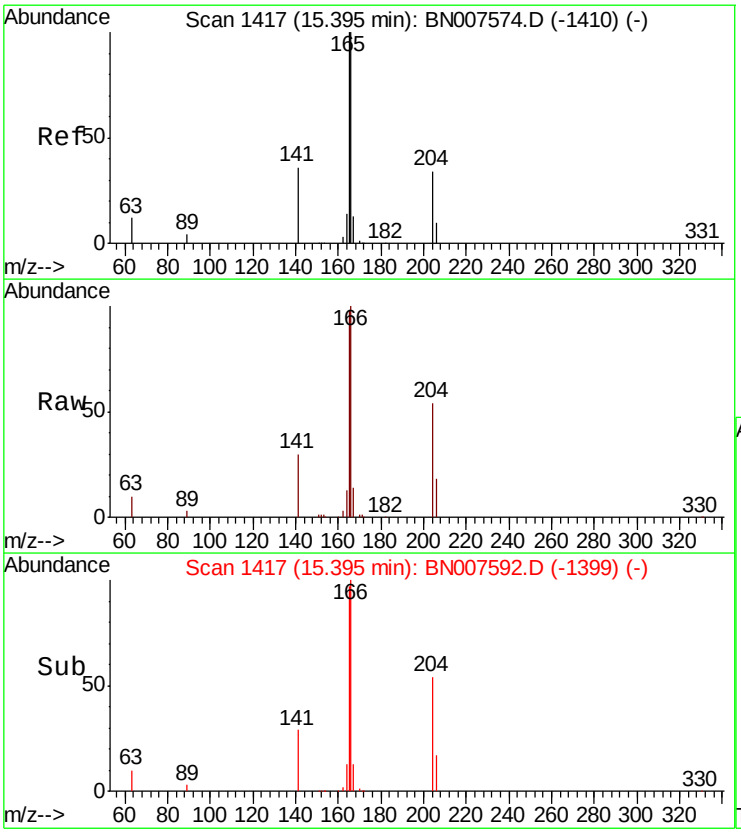
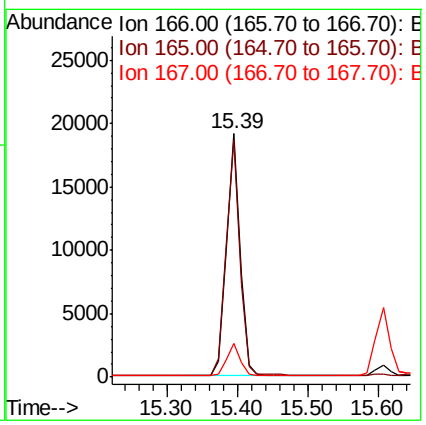
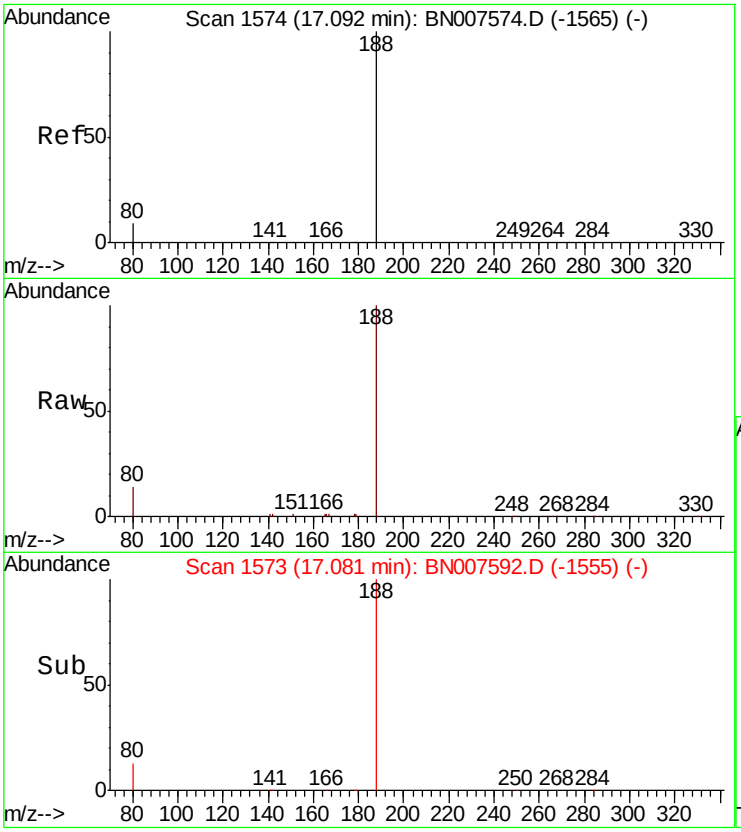


#18
Fluorene
Concen: 0.386 ng
RT: 15.39 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:166 Resp: 26399

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.8	116.6
167	13.6	11.0	16.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:188 Resp: 32694

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.6	8.1	12.1#

Instrument :
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ClientSampleId :
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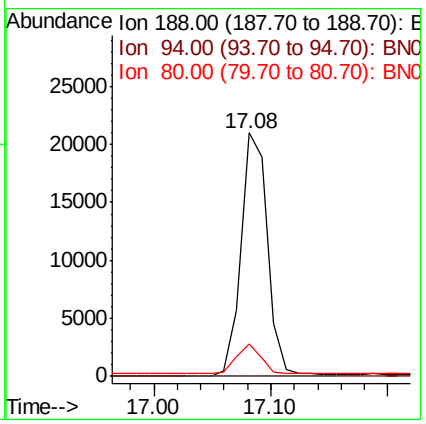
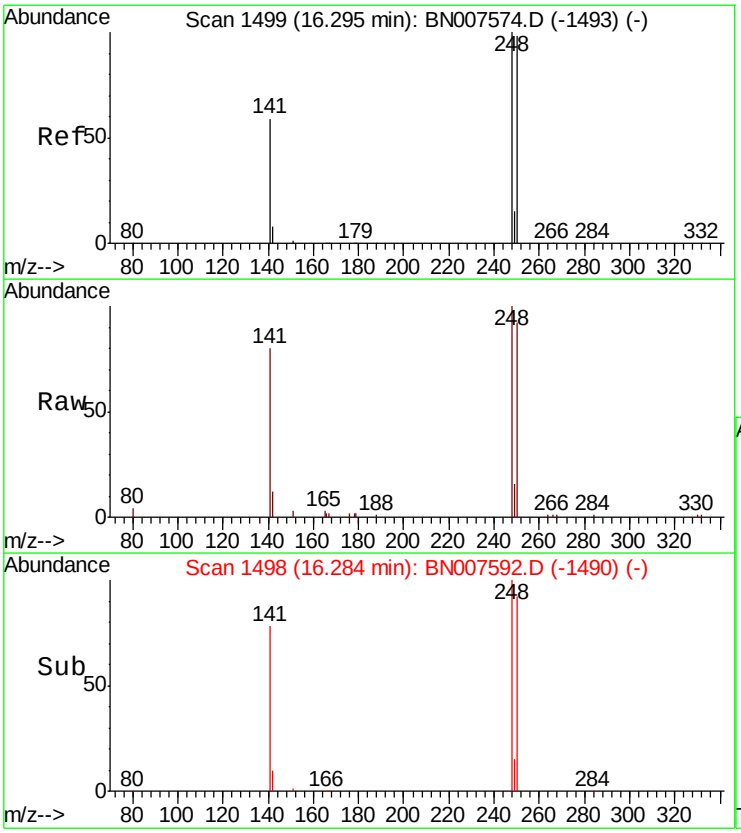
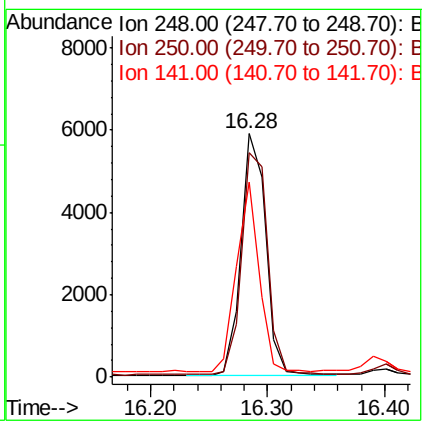


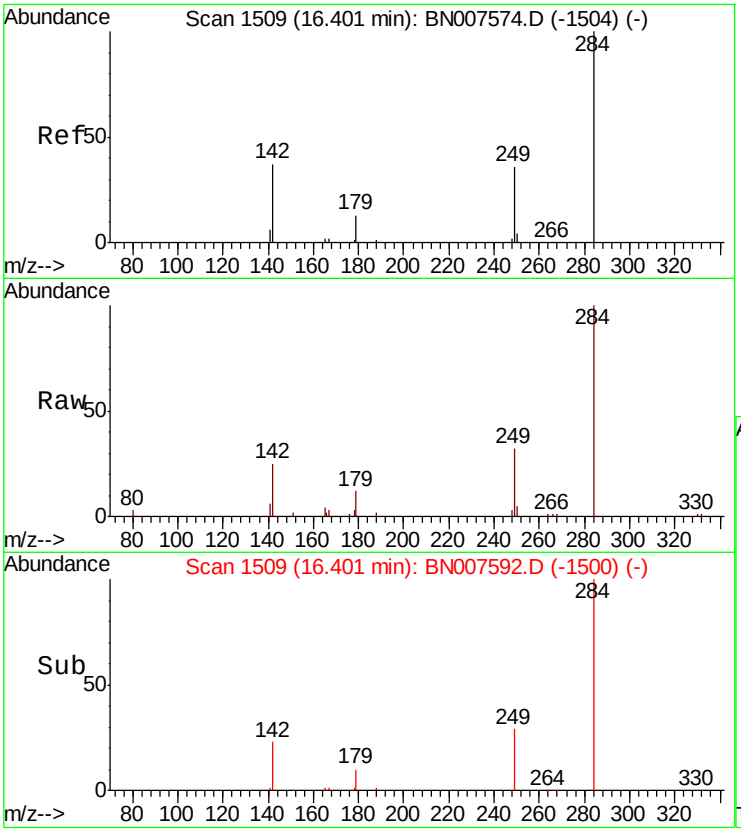


#20
4-Bromophenyl-phenylether
Concen: 0.442 ng
RT: 16.28 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:248 Resp: 8550

Ion	Ratio	Lower	Upper
248	100		
250	92.1	78.9	118.3
141	80.1	48.3	72.5#

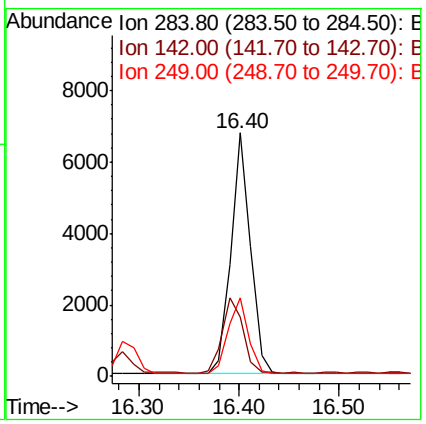




#21
Hexachlorobenzene
Concen: 0.450 ng
RT: 16.40 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:284 Resp: 9158

Ion	Ratio	Lower	Upper
284	100		
142	33.3	27.9	41.9
249	32.6	26.0	39.0



Instrument :
BNA_N
ClientSampleId :
PB122882BSD

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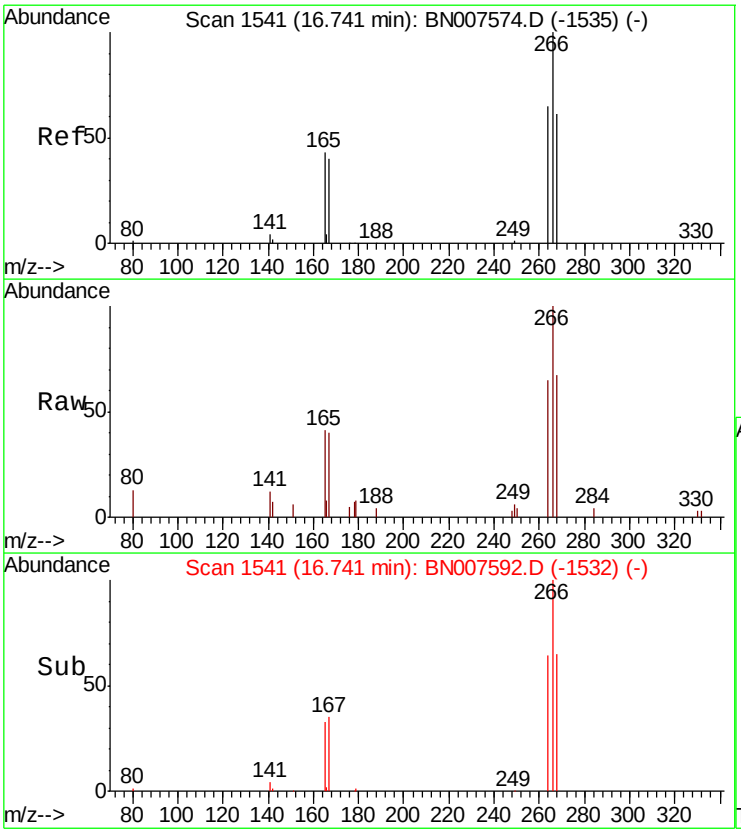
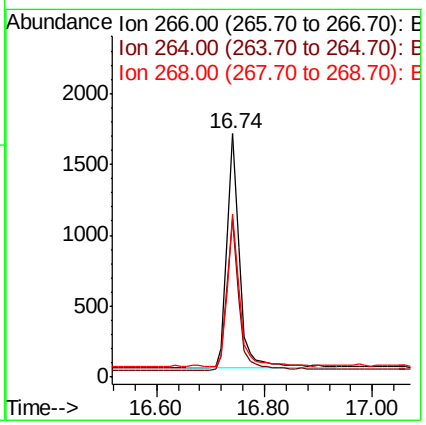
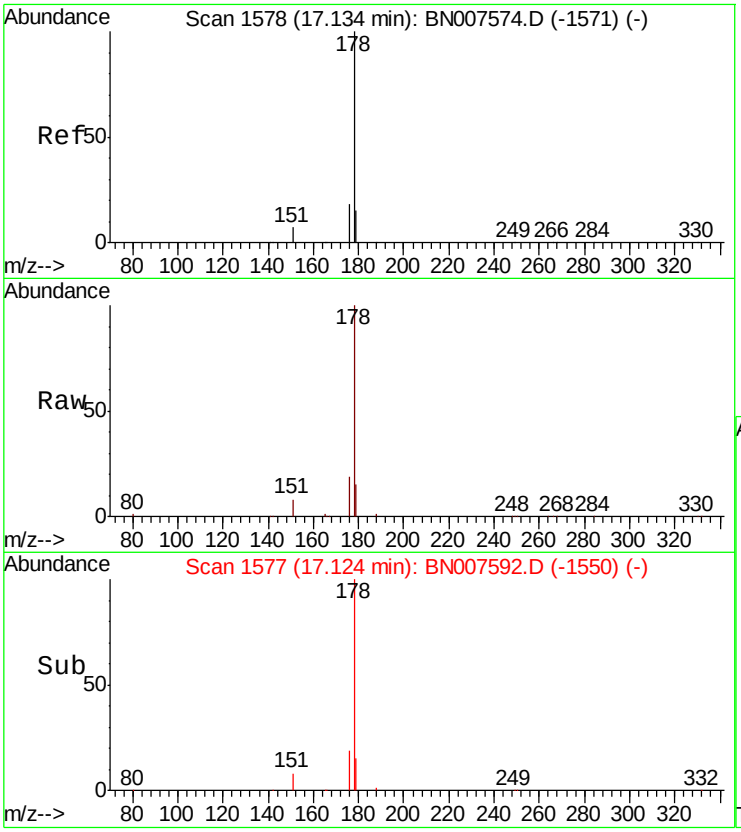


#22
Pentachlorophenol
Concen: 0.575 ng
RT: 16.74 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:266 Resp: 2748

Ion	Ratio	Lower	Upper
266	100		
264	64.7	52.0	78.0
268	66.9	53.5	80.3

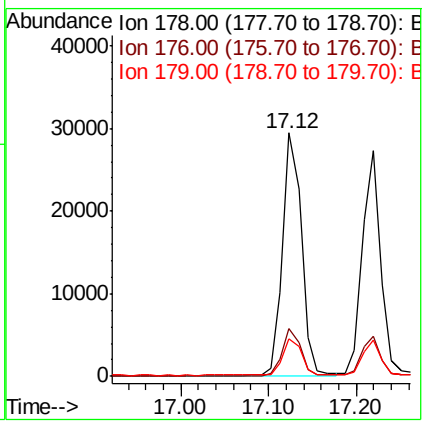




#23
Phenanthrene
Concen: 0.433 ng
RT: 17.12 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:178 Resp: 43661

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.2	18.2



Instrument :
BNA_N
ClientSampleId :
PB122882BSD

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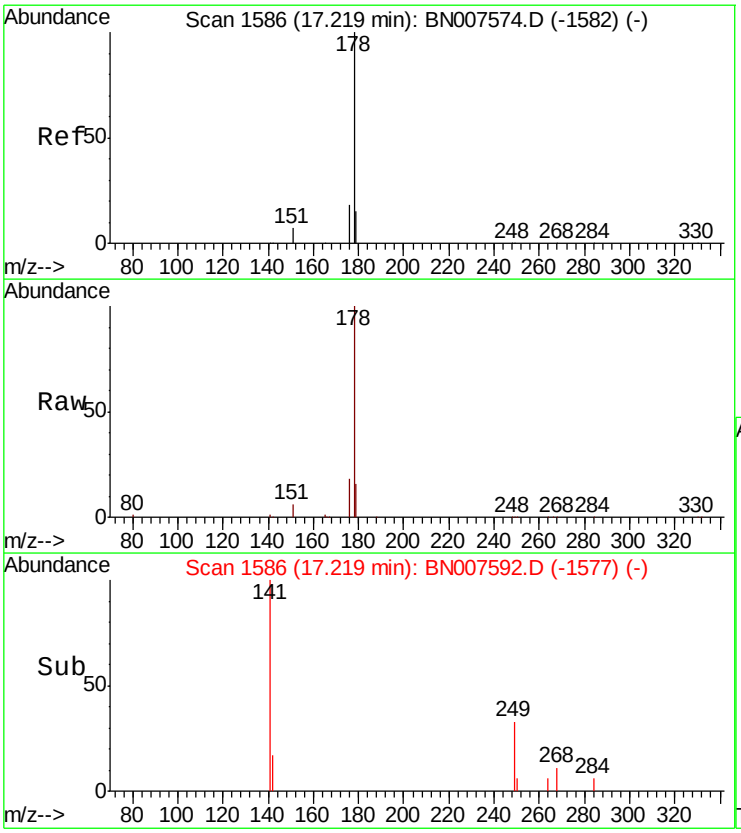
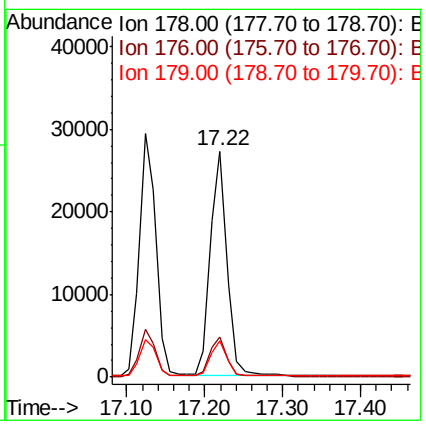
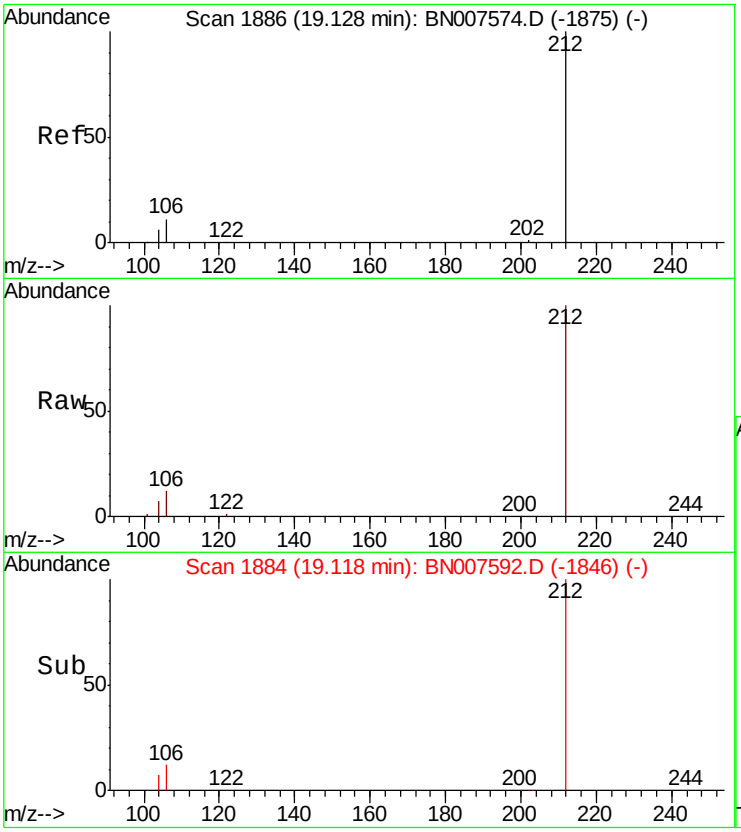


#24
Anthracene
Concen: 0.432 ng
RT: 17.22 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:178 Resp: 40215

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	15.3	12.5	18.7

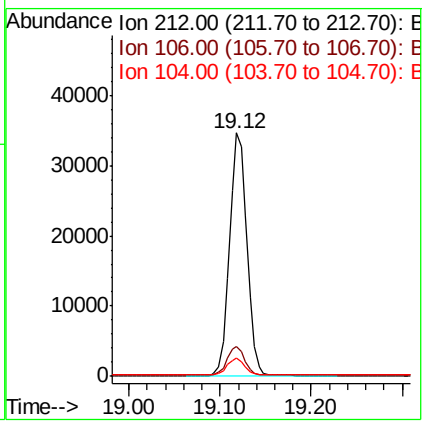




#25
Fluoranthene-d10
Concen: 0.434 ng
RT: 19.12 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:212 Resp: 46134

Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.7	14.5
104	6.7	5.5	8.3



Instrument :
BNA_N
ClientSampleId :
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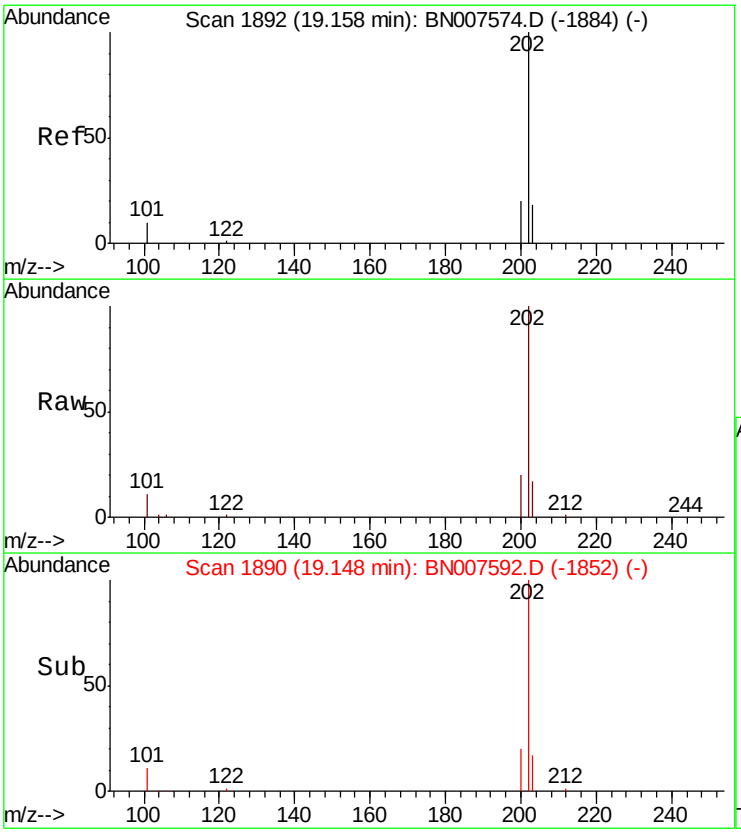
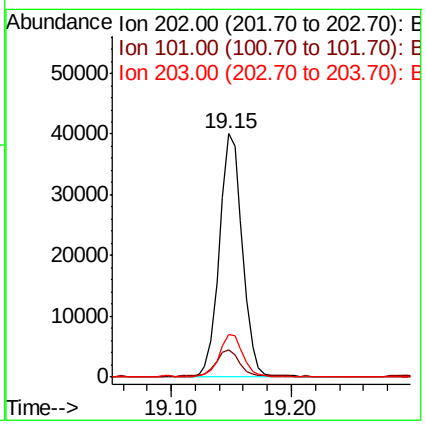
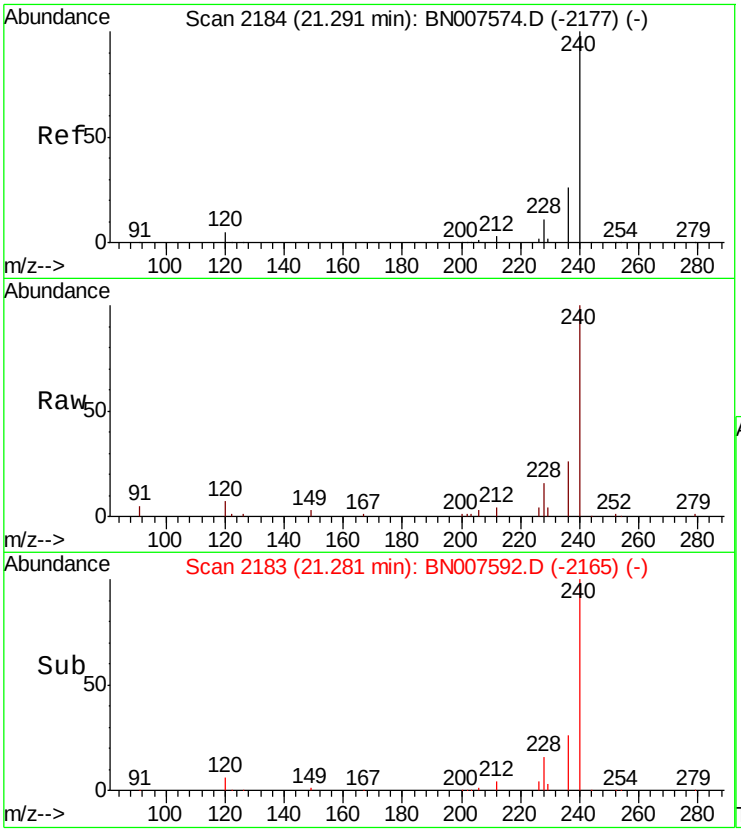


#26
Fluoranthene
Concen: 0.429 ng
RT: 19.15 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:202 Resp: 52494

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.8	13.2
203	17.4	13.8	20.8

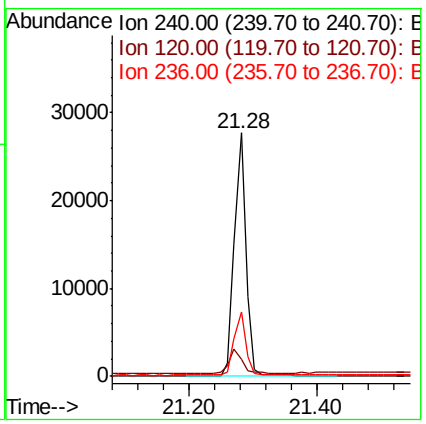




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:240 Resp: 34639

Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.0	7.4
236	26.2	20.6	31.0



Instrument :
BNA_N
ClientSampleId :
PB122882BSD

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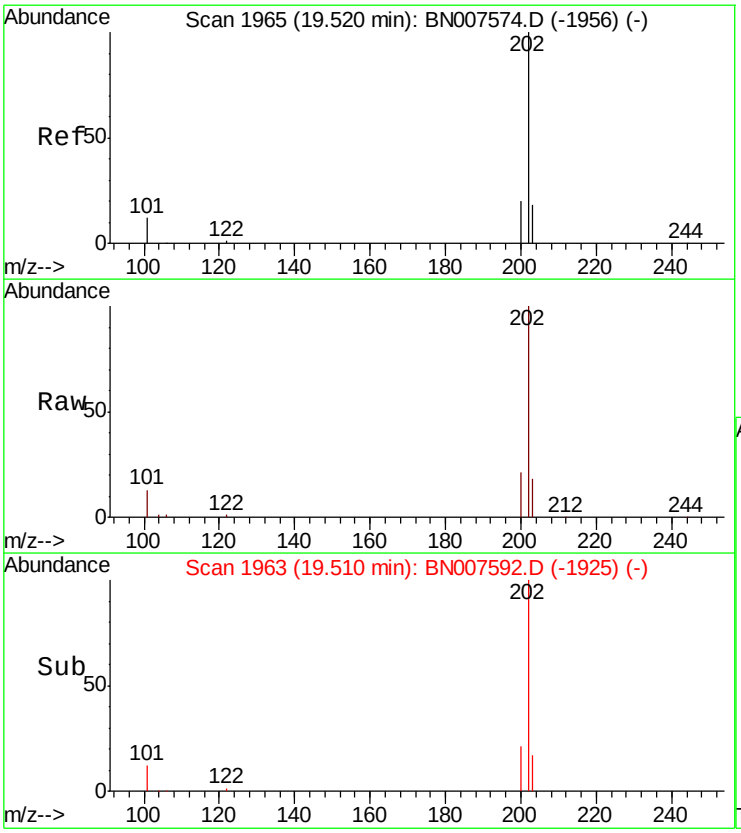
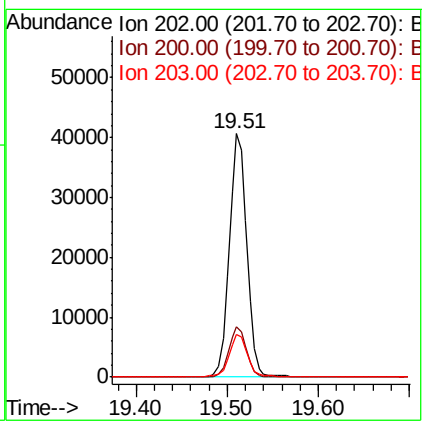
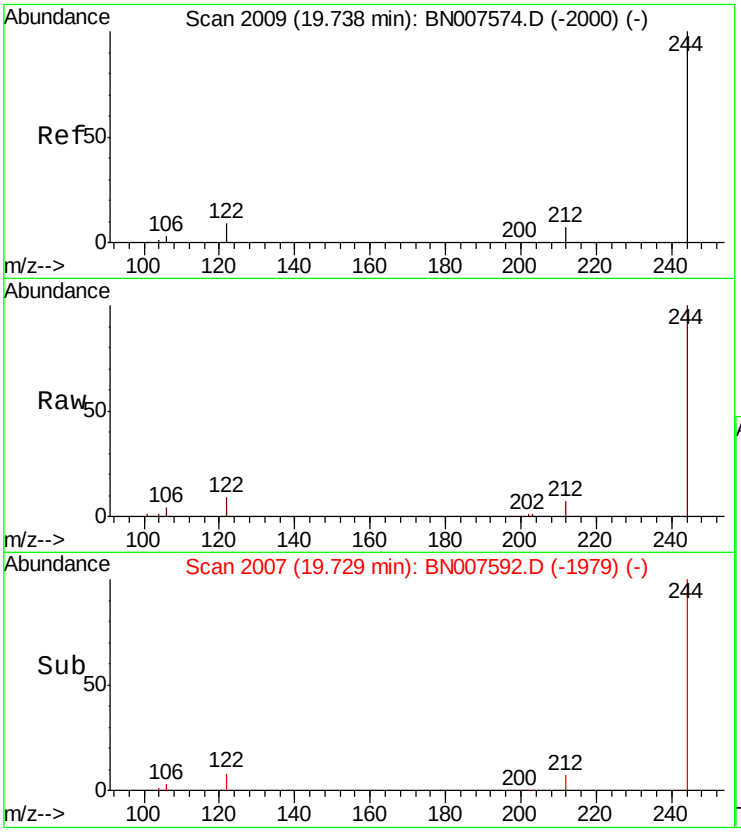


#28
Pyrene
Concen: 0.432 ng
RT: 19.51 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:202 Resp: 53793

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.3	24.5
203	17.7	14.1	21.1

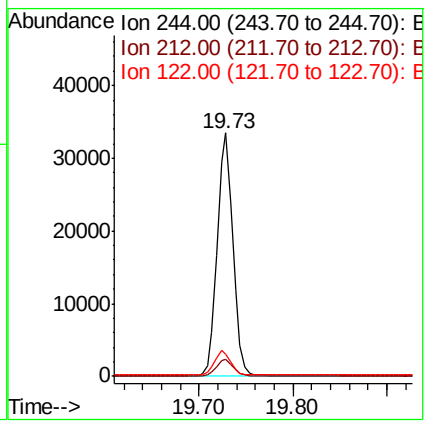




#29
Terphenyl-d14
Concen: 0.428 ng
RT: 19.73 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:244 Resp: 38551

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.0	7.8	11.6



Instrument :
BNA_N
ClientSampleId :
PB122882BSD

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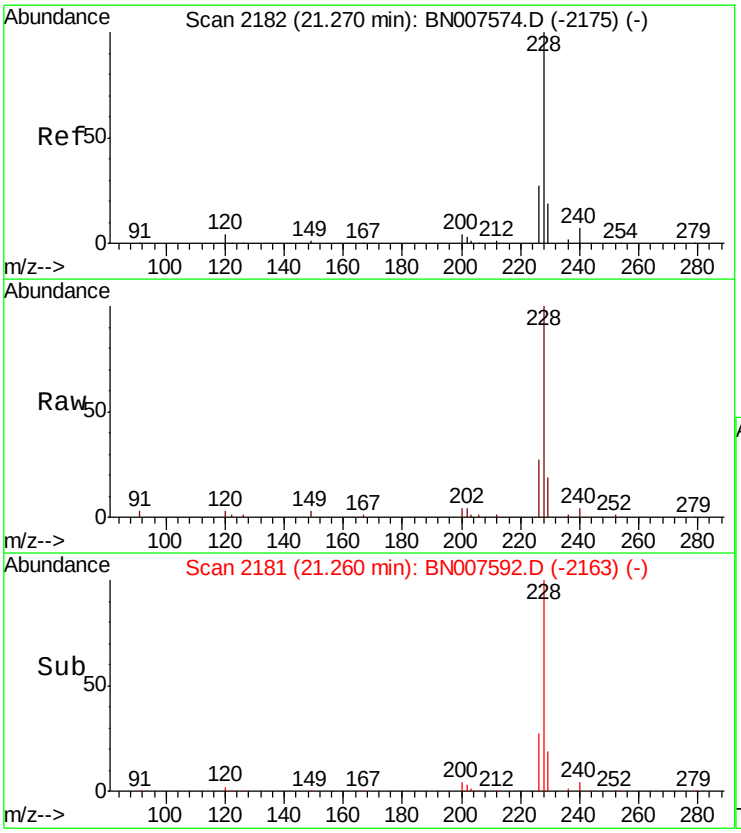
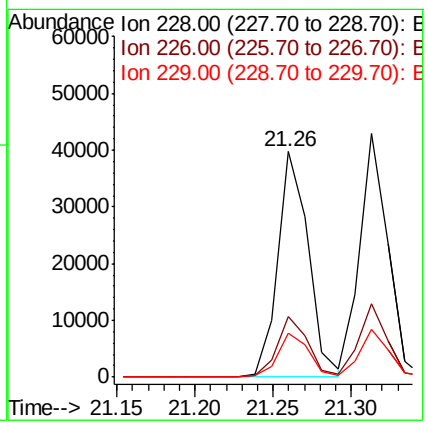
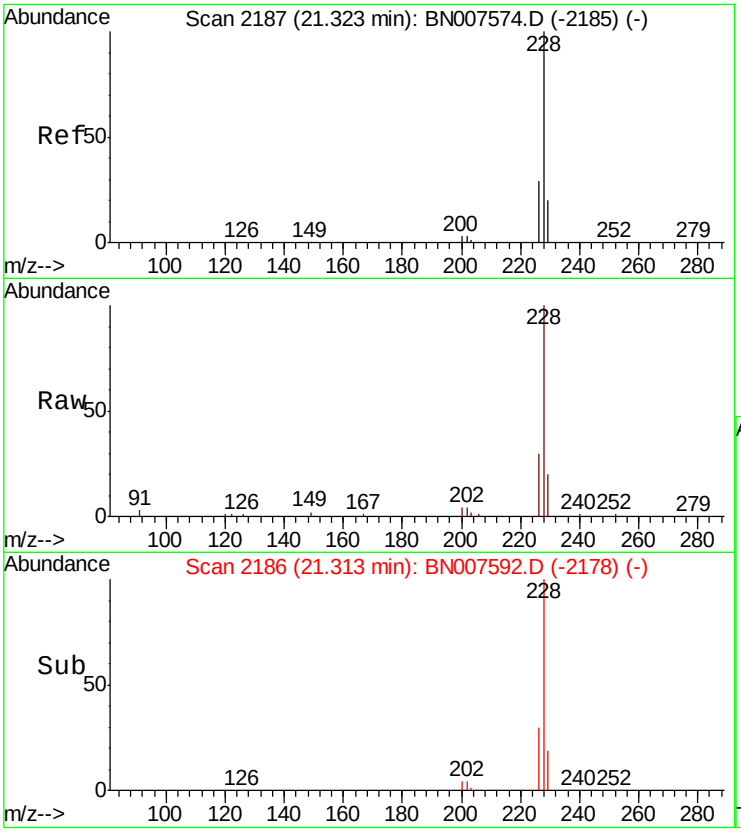


#30
Benzo(a)anthracene
Concen: 0.430 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:228 Resp: 53281

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.6	32.4
229	19.4	15.7	23.5

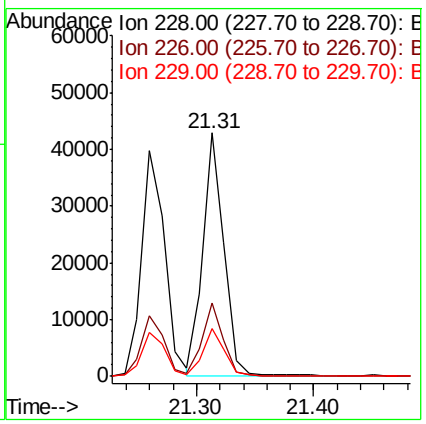




#31
Chrysene
Concen: 0.423 ng
RT: 21.31 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:228 Resp: 53319

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	19.7	15.7	23.5



Instrument :
BNA_N
ClientSampleId :
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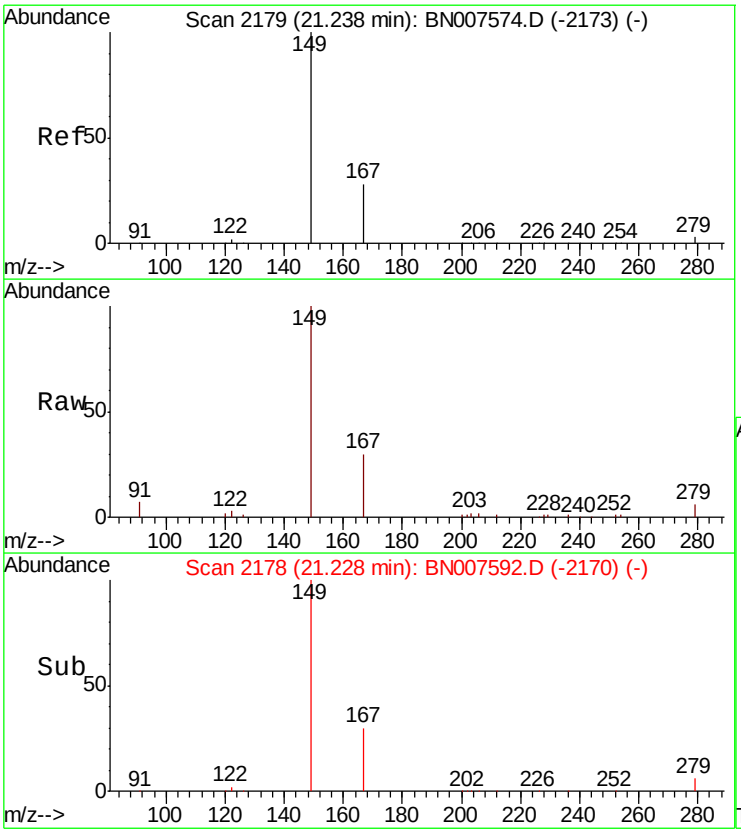
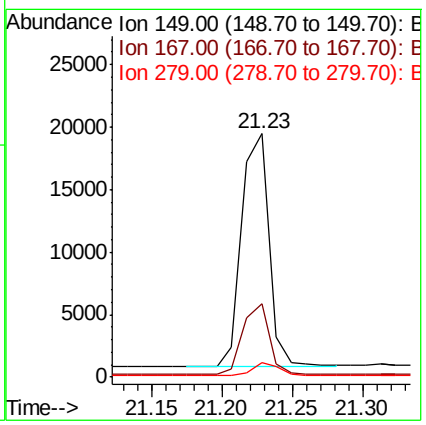
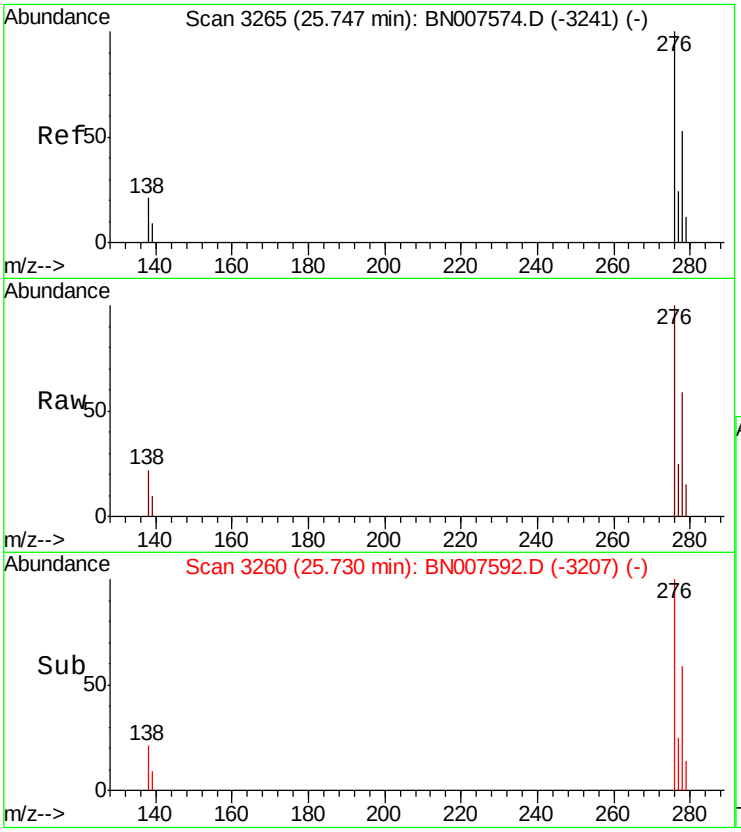


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.601 ng
RT: 21.23 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:149 Resp: 25499

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.1	33.1
279	5.1	3.9	5.9





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.442 ng
RT: 25.73 min Scan# 3260
Delta R.T. -0.02 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:276 Resp: 58886

Ion	Ratio	Lower	Upper
276	100		
138	22.0	0.0	0.0#
277	25.0	0.0	0.0#

Instrument :
BNA_N
ClientSampleId :
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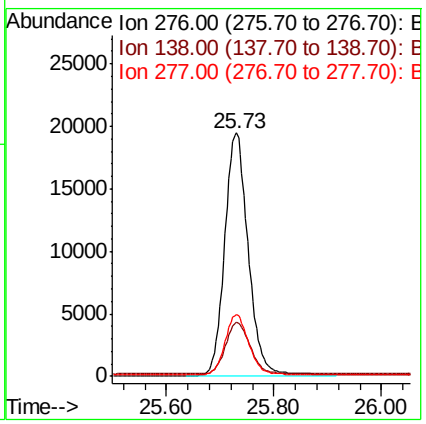
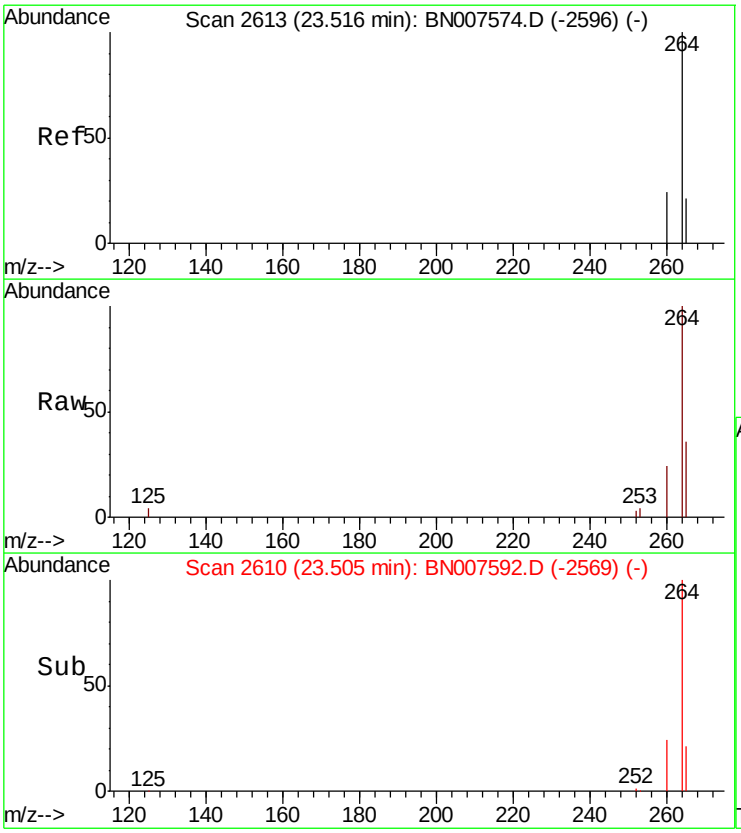
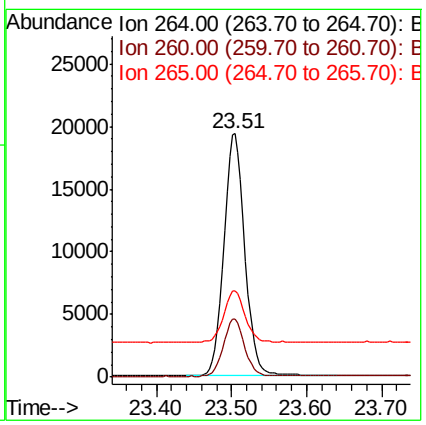


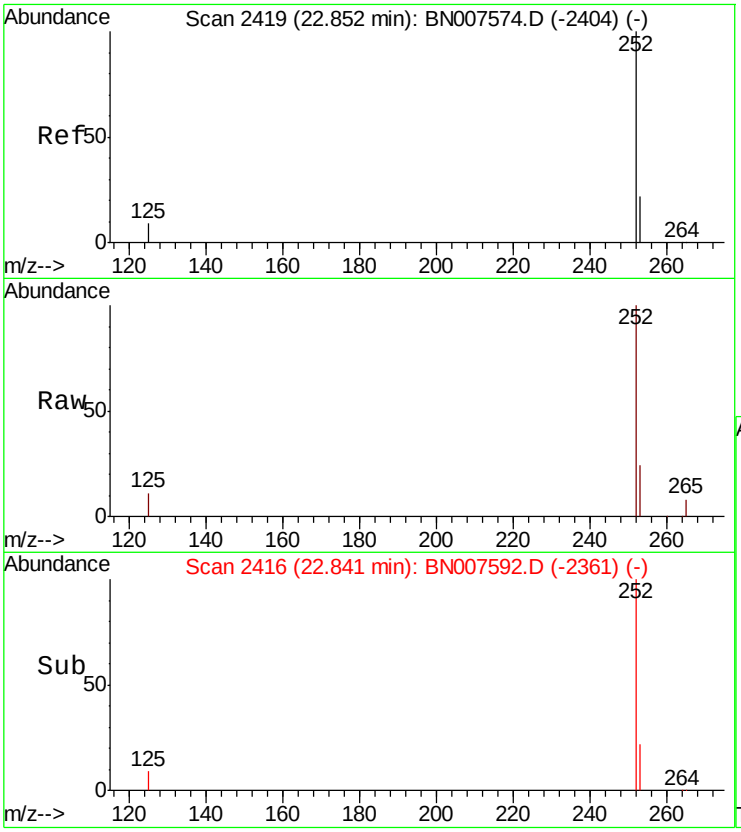


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.51 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:264 Resp: 36870

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	35.5	25.6	38.4





#35
Benzo(b)fluoranthene
Concen: 0.402 ng
RT: 22.84 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:252 Resp: 52690

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	10.9	8.2	12.2

Instrument :
BNA_N
ClientSampleId :
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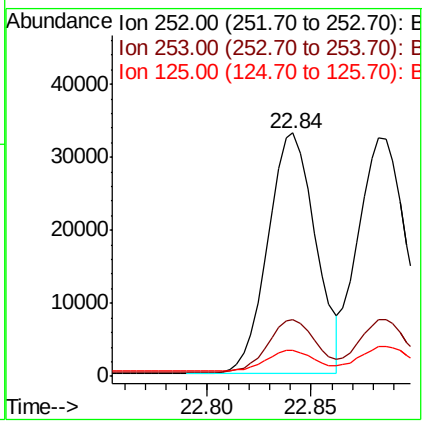
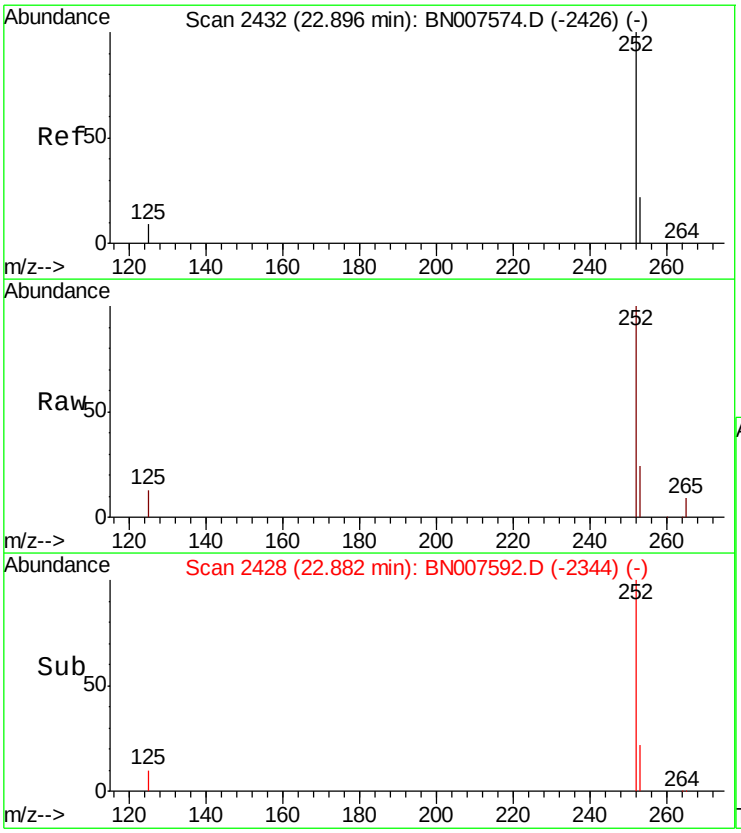
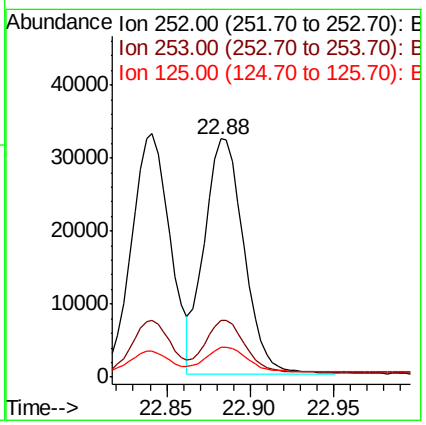


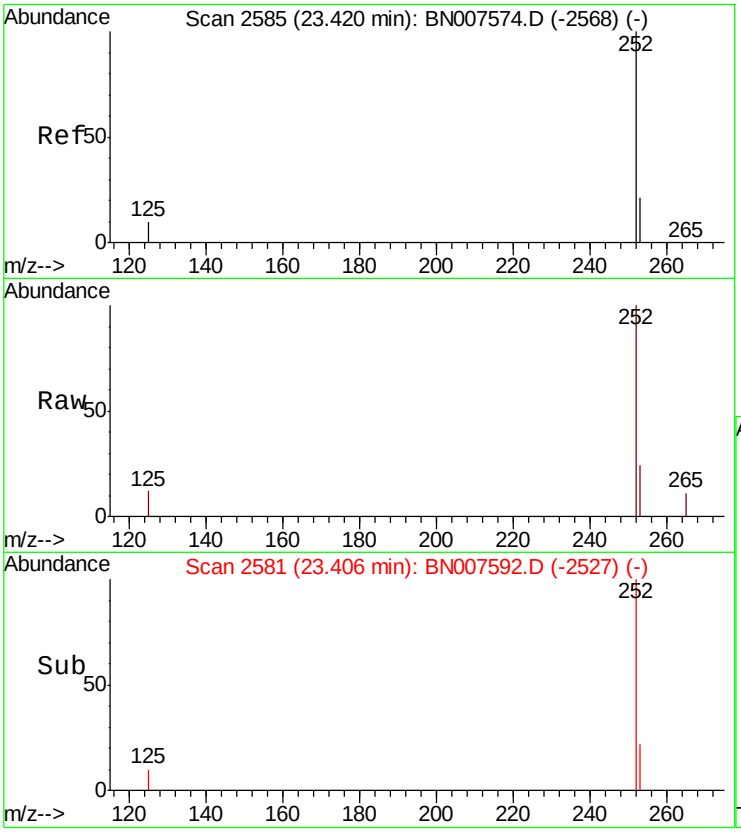


#36
Benzo(k)fluoranthene
Concen: 0.414 ng m
RT: 22.88 min Scan# 2428
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:252 Resp: 53611

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	12.6	8.2	12.2#

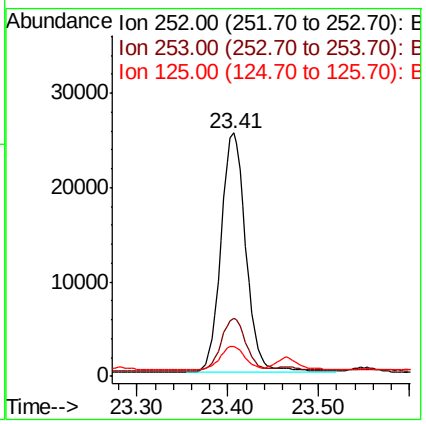




#37
Benzo(a)pyrene
Concen: 0.419 ng
RT: 23.41 min Scan# 2581
Delta R.T. -0.01 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:252 Resp: 48793

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	28.0
125	12.2	9.2	13.8



Instrument :
BNA_N
ClientSampleId :
PB122882BSD

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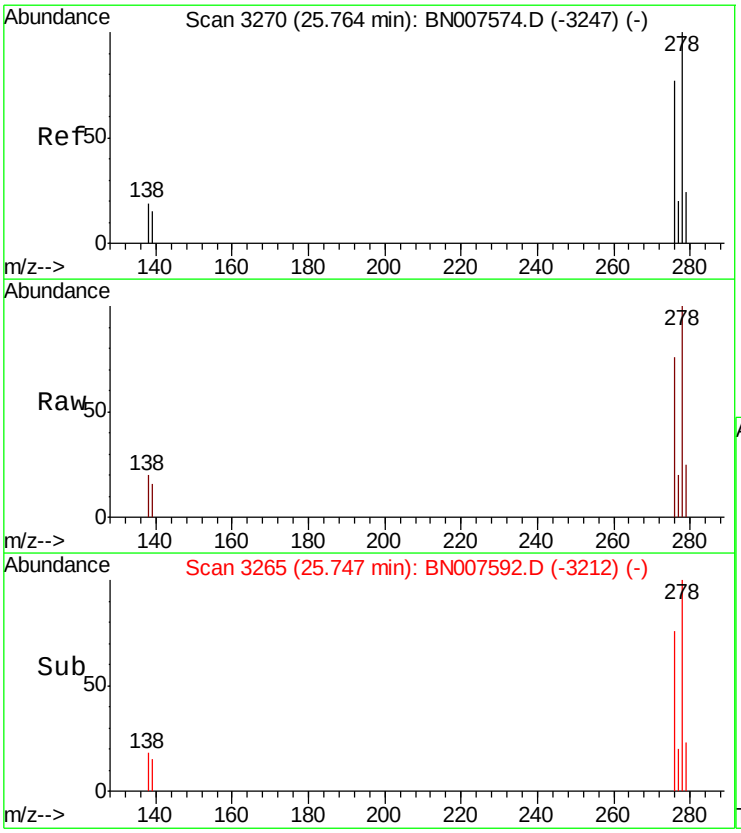
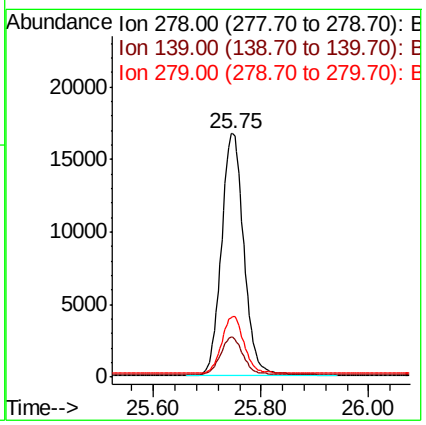
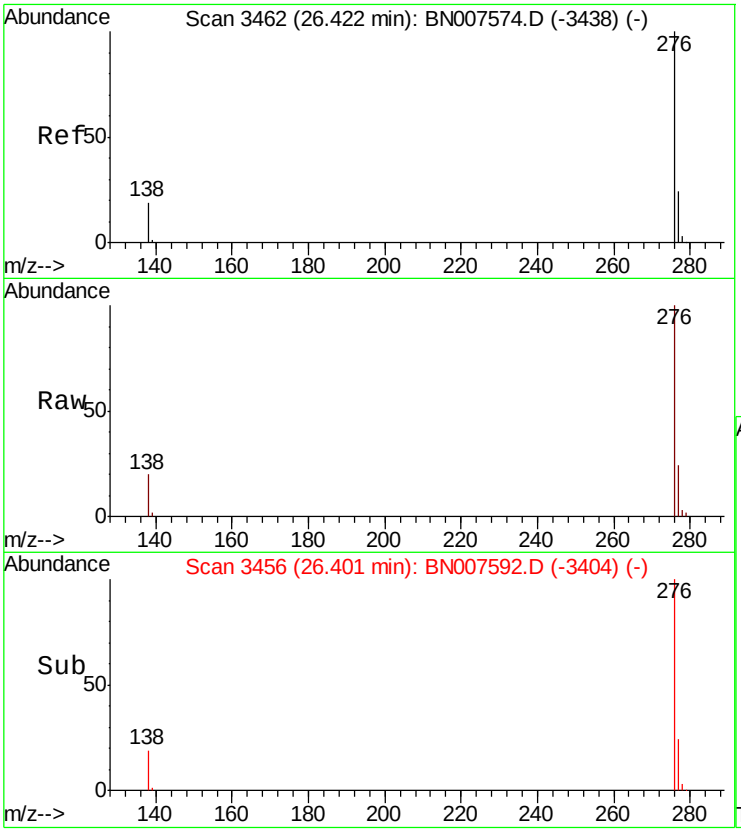


#38
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 25.75 min Scan# 3265
Delta R.T. -0.02 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:278 Resp: 48760

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.5	18.7
279	24.8	20.2	30.2

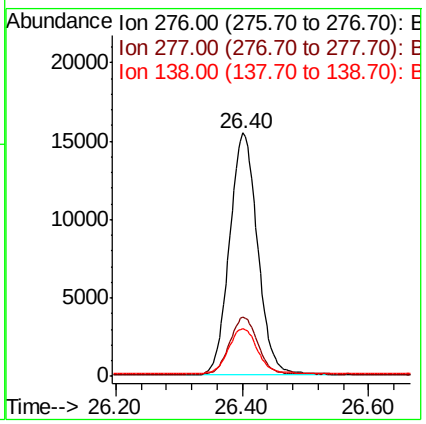




#39
Benzo(g,h,i)perylene
Concen: 0.403 ng
RT: 26.40 min Scan# 3456
Delta R.T. -0.02 min
Lab File: BN007592.D
Acq: 11 Sep 2019 17:40

Tgt Ion:276 Resp: 47795

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.7	29.5
138	19.7	15.9	23.9



Instrument :
BNA_N
ClientSampleId :
PB122882BSD

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mohammad
9/16/2019 9:00:57 AM