Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
Data File : BN009427.D
Acq On : 23 Jan 2020 17:16
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Jan 24 12:16:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	1223	0.40	ng		0.00
7) Naphthalene-d8	10.22	136	4637	0.40	ng		-0.01
13) Acenaphthene-d10	14.10	164	3040	0.40	ng		0.00
19) Phenanthrene-d10	16.85	188	6725	0.40	ng		-0.02
27) Chrysene-d12	21.06	240	5956	0.40	ng		-0.01
34) Perylene-d12	23.18	264	6028	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.12	112	1148	0.41	ng		0.00
5) Phenol-d6	6.67	99	1357	0.42	ng		0.00
8) Nitrobenzene-d5	8.62	82	1456	0.39	ng		-0.01
11) 2-Methylnaphthalene-d10	11.82	152	3506	0.39	ng		-0.01
14) 2,4,6-Tribromophenol	15.61	330	450	0.39	ng		-0.02
15) 2-Fluorobiphenyl	12.72	172	4669	0.41	ng		0.00
25) Fluoranthene-d10	18.89	212	8405	0.36	ng		-0.01
29) Terphenyl-d14	19.51	244	5619	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.13	88	502	0.394	ng		98
3) n-Nitrosodimethylamine	3.48	42	659	0.335	ng	#	89
6) bis(2-Chloroethyl)ether	6.92	93	1452	0.433	ng		87
9) Naphthalene	10.27	128	4886	0.389	ng		99
10) Hexachlorobutadiene	10.56	225	1088	0.395	ng	#	99
12) 2-Methylnaphthalene	11.90	142	3443	0.394	ng		99
16) Acenaphthylene	13.81	152	5022	0.383	ng		99
17) Acenaphthene	14.16	154	3621	0.393	ng		99
18) Fluorene	15.16	166	4568	0.380	ng		99
20) 4-Bromophenyl-phenylether	16.06	248	1538	0.380	ng		93
21) Hexachlorobenzene	16.17	284	1694	0.393	ng		98
22) Pentachlorophenol	16.54	266	392	0.404	ng		92
23) Phenanthrene	16.89	178	7630	0.378	ng		100
24) Anthracene	16.99	178	6391	0.377	ng		99
26) Fluoranthene	18.92	202	8744	0.369	ng		99
28) Pyrene	19.29	202	8956	0.397	ng		100
30) Benzo(a)anthracene	21.05	228	7237	0.370	ng		99
31) Chrysene	21.10	228	8883	0.397	ng		100
32) Bis(2-ethylhexyl)phthalate	21.00	149	3506	0.405	ng		99
33) Indeno(1,2,3-cd)pyrene	25.25	276	8961	0.385	ng		99
35) Benzo(b)fluoranthene	22.56	252	7988	0.360	ng		99
36) Benzo(k)fluoranthene	22.60	252	9015	0.368	ng		99
37) Benzo(a)pyrene	23.09	252	7388	0.379	ng		97
38) Dibenzo(a,h)anthracene	25.26	278	7158	0.365	ng		97
39) Benzo(g,h,i)perylene	25.87	276	7713	0.357	ng		99

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

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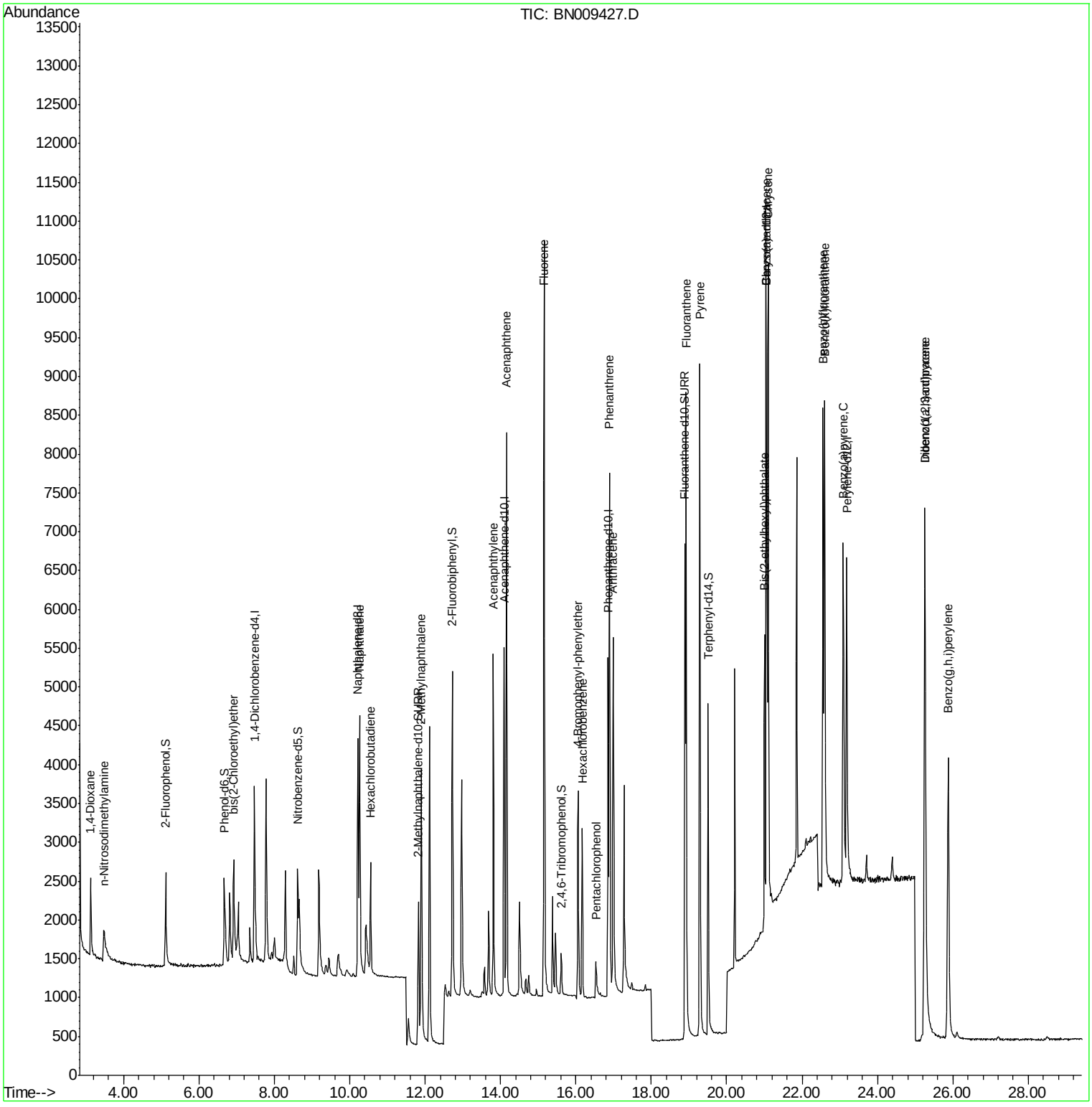
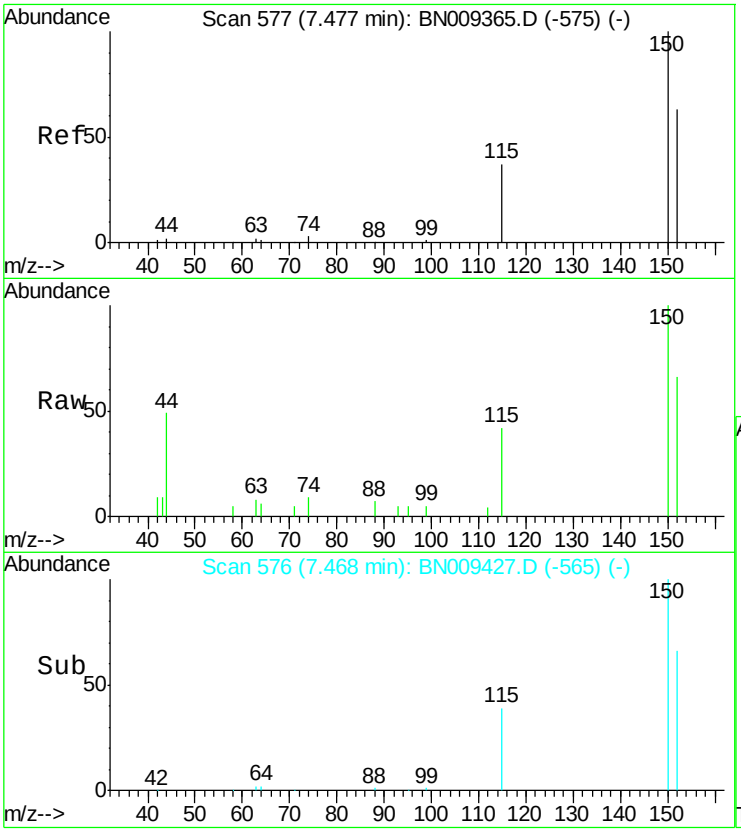
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 24 12:16:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration



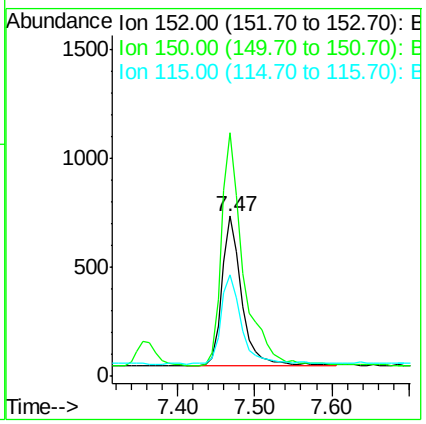


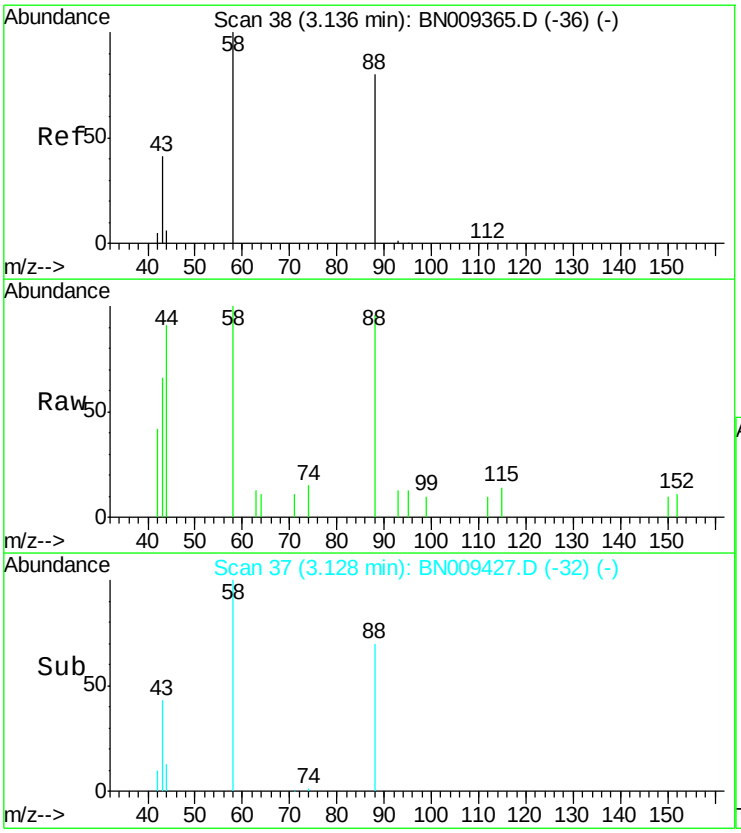
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1223

Ion	Ratio	Lower	Upper
152	100		
150	152.2	125.7	188.5
115	63.3	53.3	79.9

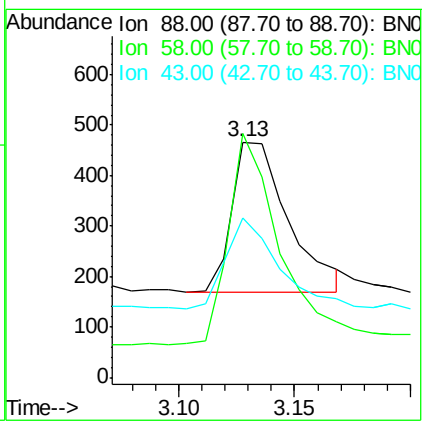


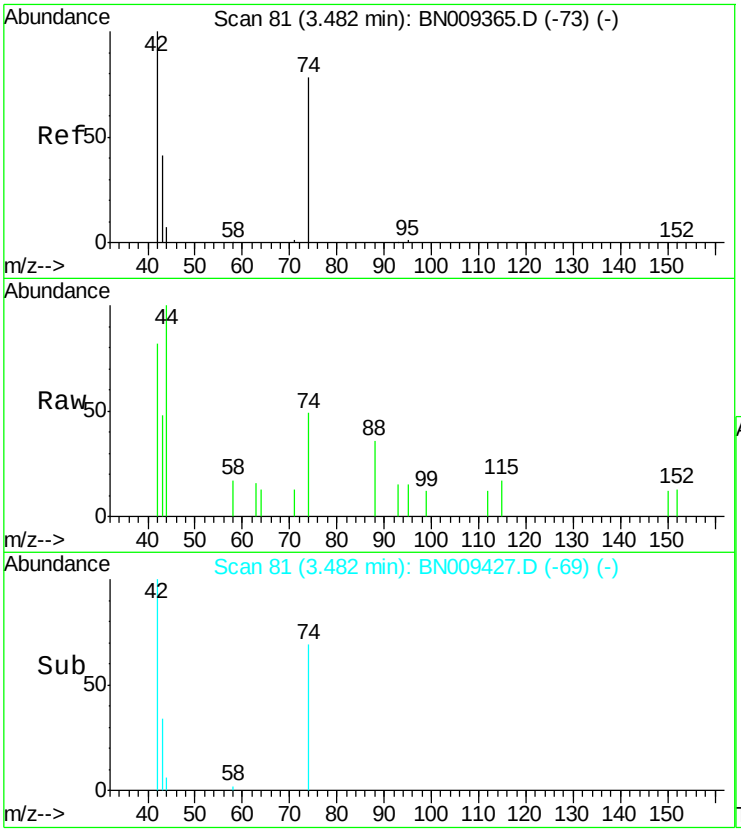


#2
1,4-Dioxane
Concen: 0.394 ng
RT: 3.13 min Scan# 37
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion: 88 Resp: 502

Ion	Ratio	Lower	Upper
88	100		
58	126.7	100.2	150.2
43	57.6	43.1	64.7



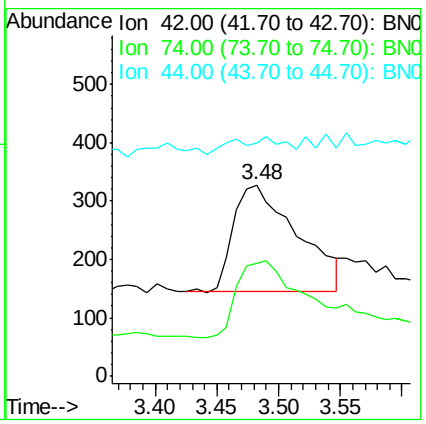


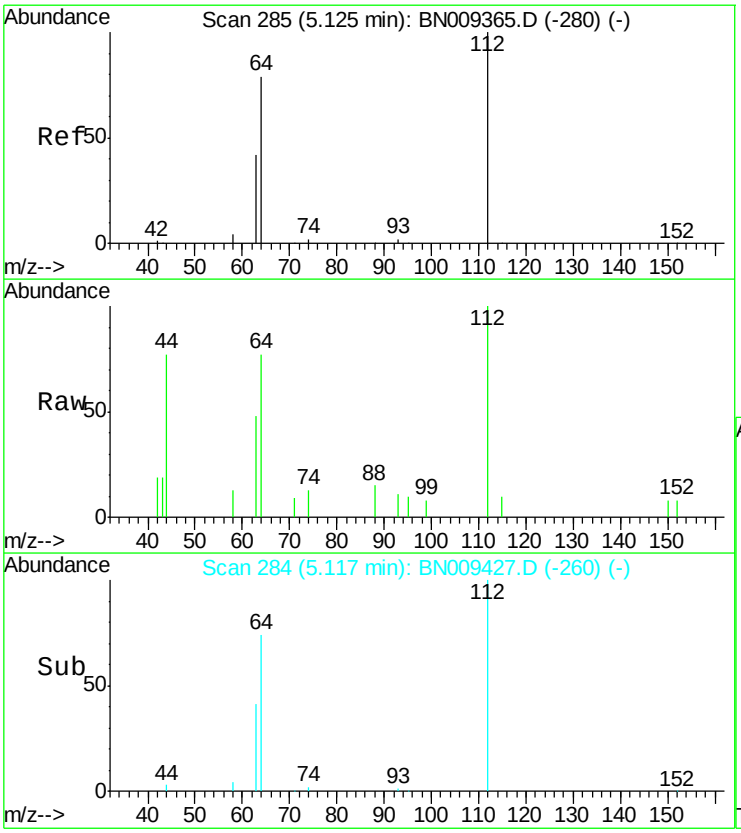
#3
n-Nitrosodimethylamine
Concen: 0.335 ng
RT: 3.48 min Scan# 81
Delta R.T. -0.00 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 659

Ion	Ratio	Lower	Upper
42	100		
74	74.7	55.8	83.8
44	0.0	11.1	16.7#

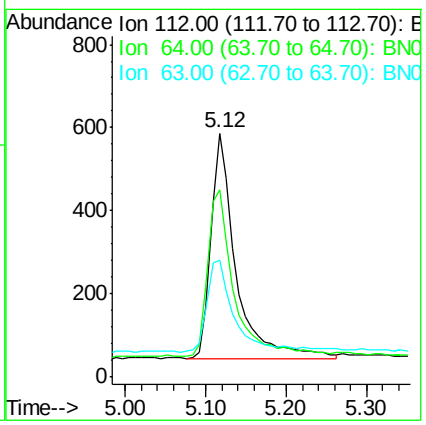


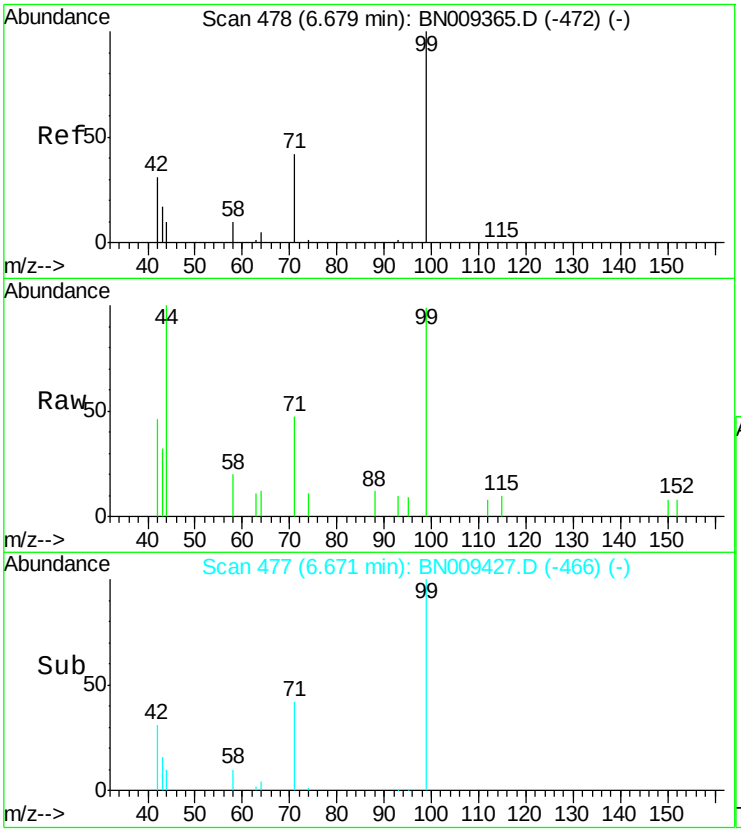


#4
2-Fluorophenol
Concen: 0.408 ng
RT: 5.12 min Scan# 284
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:112 Resp: 1148

Ion	Ratio	Lower	Upper
112	100		
64	78.8	61.5	92.3
63	44.5	35.0	52.4



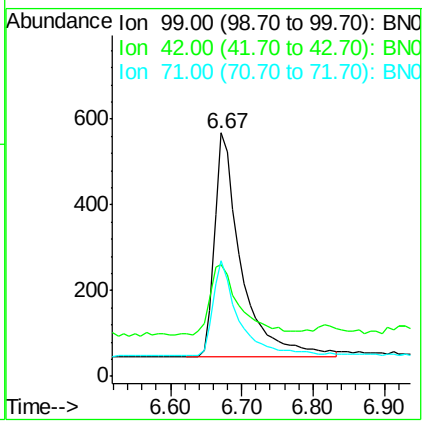


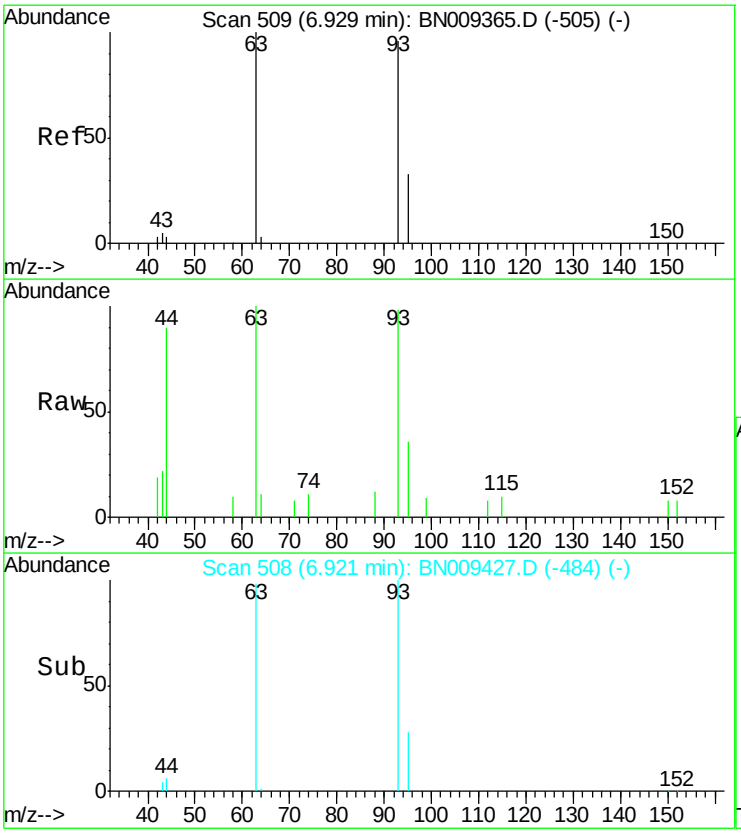
#5
Phenol-d6
Concen: 0.417 ng
RT: 6.67 min Scan# 477
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1357

Ion	Ratio	Lower	Upper
99	100		
42	35.2	27.6	41.4
71	40.9	33.0	49.6

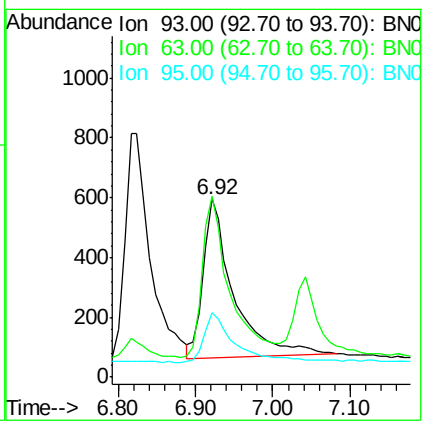


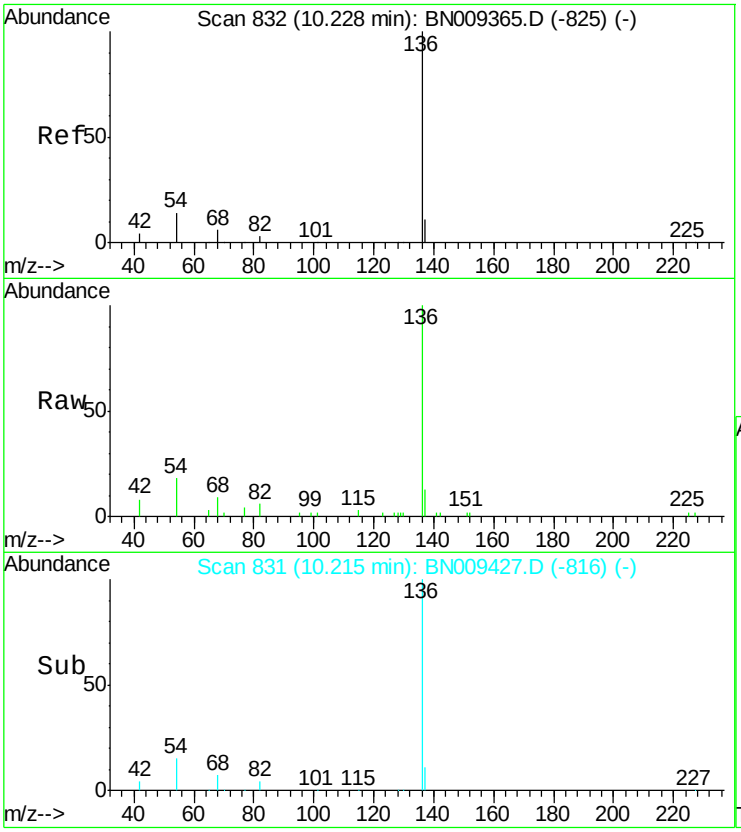


#6
bis(2-Chloroethyl)ether
Concen: 0.433 ng
RT: 6.92 min Scan# 508
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion: 93 Resp: 1452

Ion	Ratio	Lower	Upper
93	100		
63	91.1	85.1	127.7
95	32.0	30.2	45.4



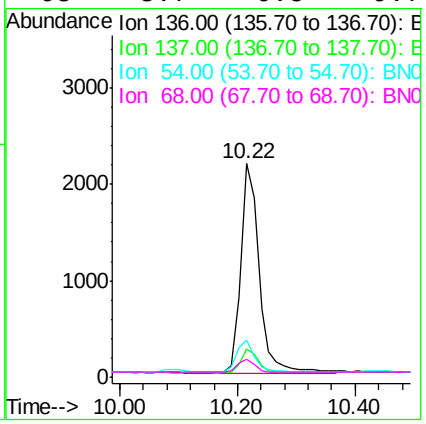


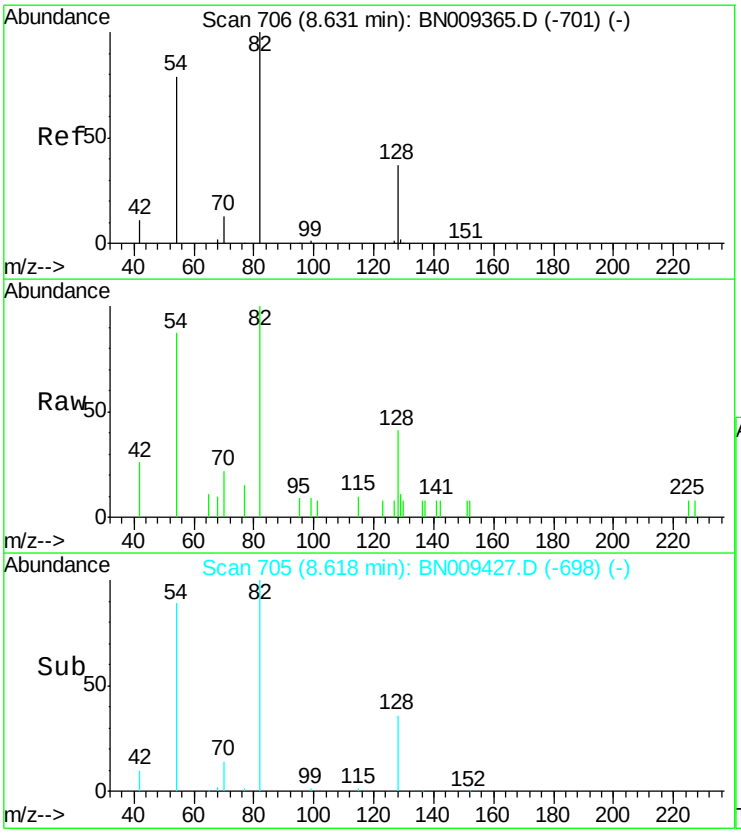
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.22 min Scan# 831
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 4637

Ion	Ratio	Lower	Upper
136	100		
137	13.0	10.3	15.5
54	17.6	12.6	19.0
68	8.7	6.5	9.7

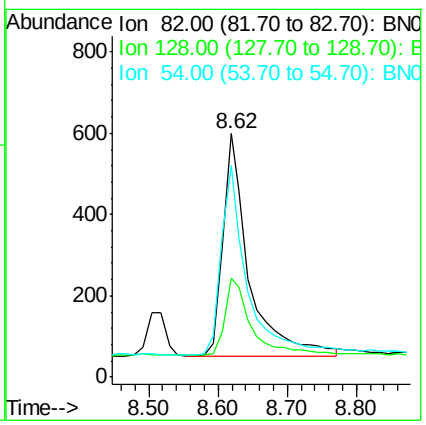


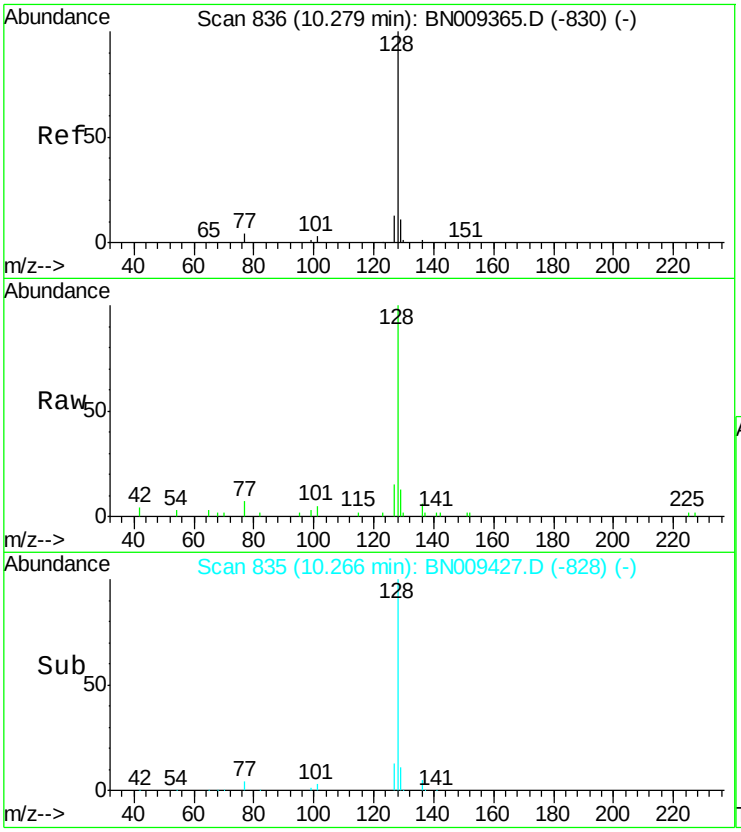


#8
Nitrobenzene-d5
Concen: 0.394 ng
RT: 8.62 min Scan# 705
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion: 82 Resp: 1456

Ion	Ratio	Lower	Upper
82	100		
128	40.7	34.8	52.2
54	87.1	65.8	98.6



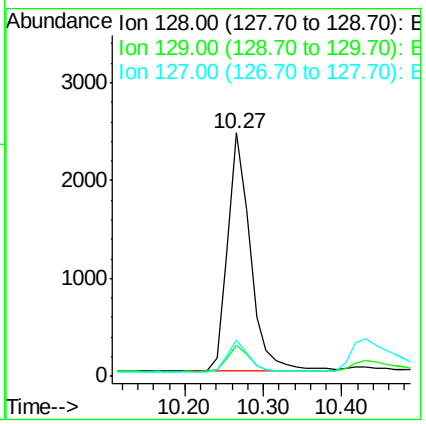


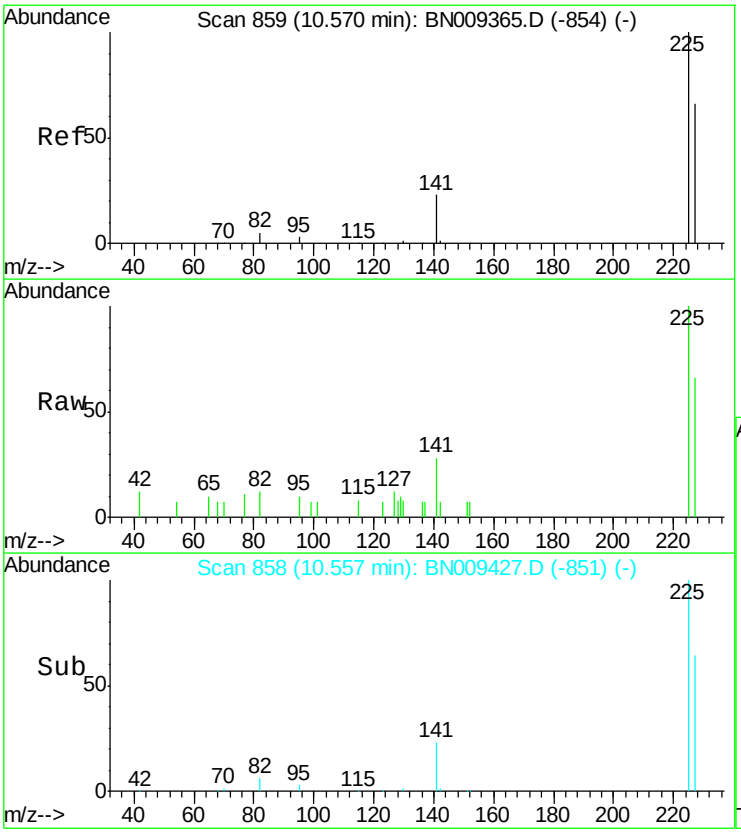
#9
Naphthalene
Concen: 0.389 ng
RT: 10.27 min Scan# 835
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 4886

Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.4	15.6
127	14.7	11.4	17.2

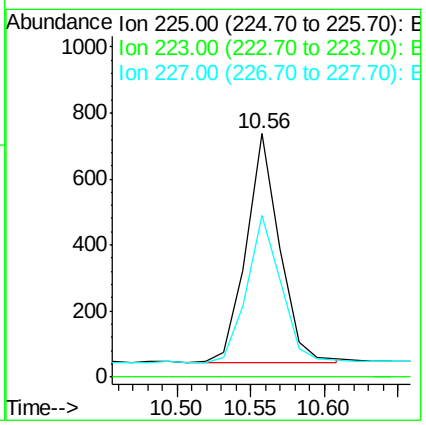


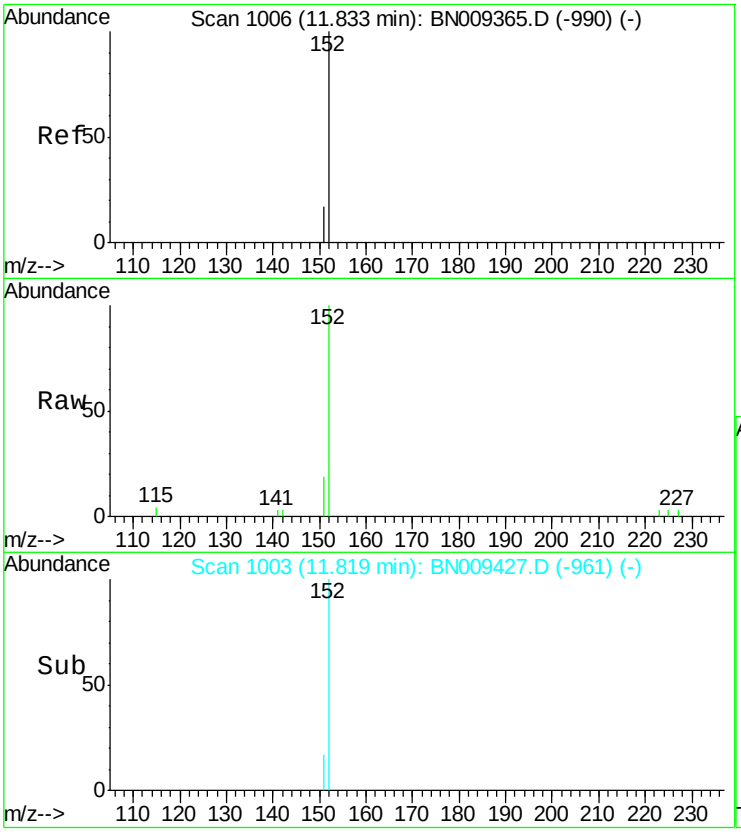


#10
Hexachlorobutadiene
Concen: 0.395 ng
RT: 10.56 min Scan# 858
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:225 Resp: 1088

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.2	52.6	78.8



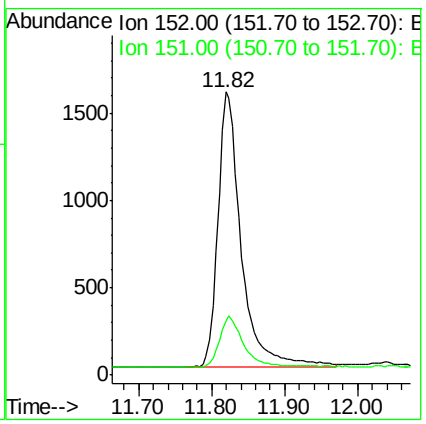


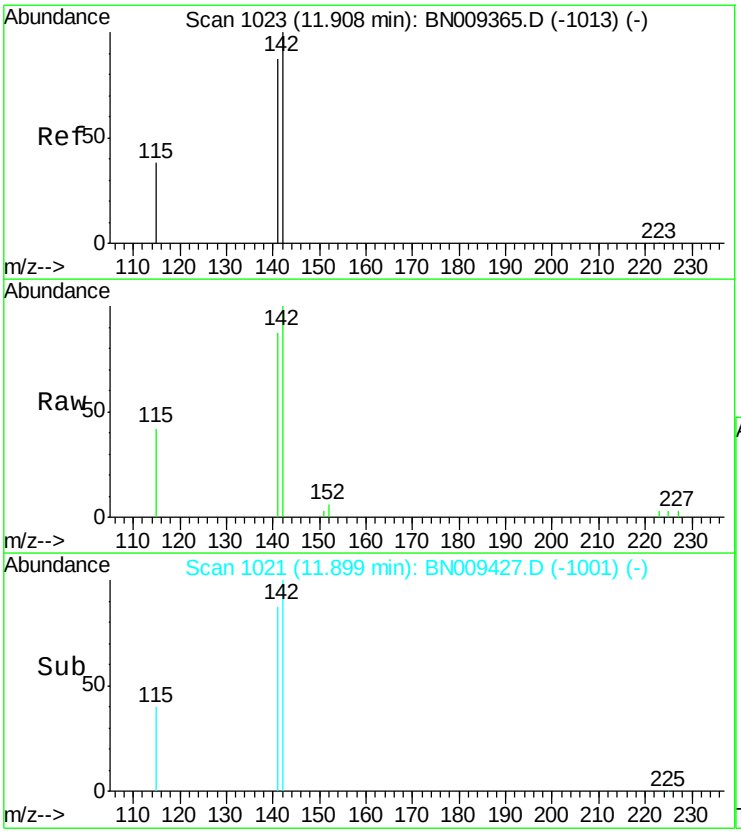
#11
2-Methylnaphthalene-d10
Concen: 0.391 ng
RT: 11.82 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3506

Ion	Ratio	Lower	Upper
152	100		
151	18.7	14.8	22.2

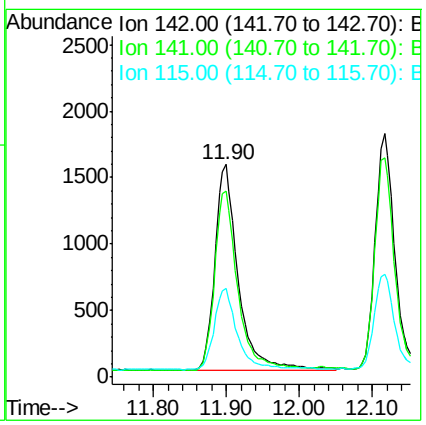


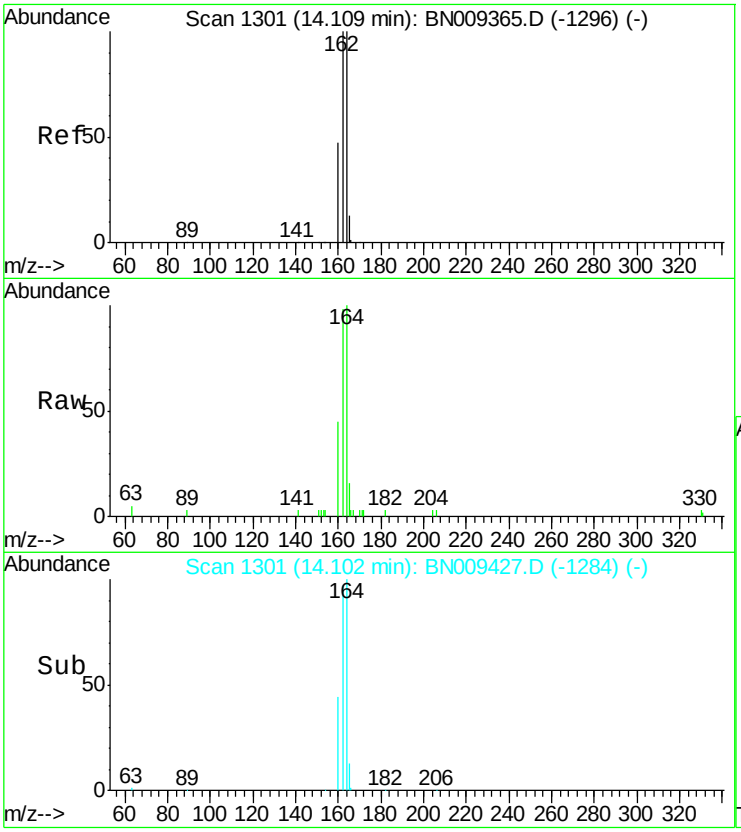


#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 11.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:142 Resp: 3443

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.8	104.6
115	41.8	32.5	48.7



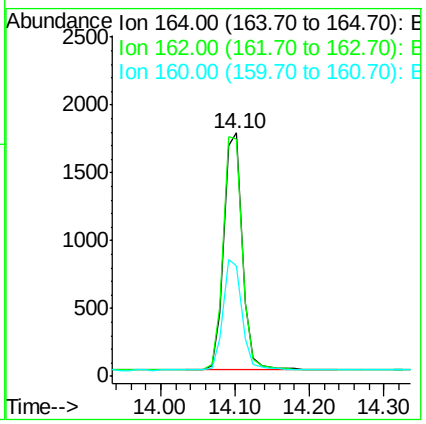


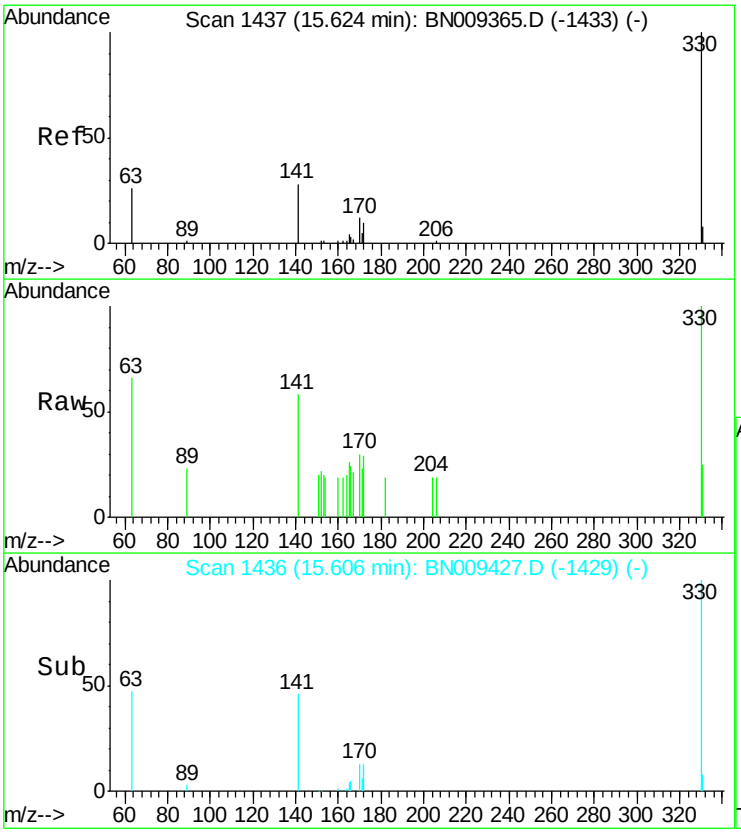
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3040

Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.8	119.6
160	45.3	38.4	57.6

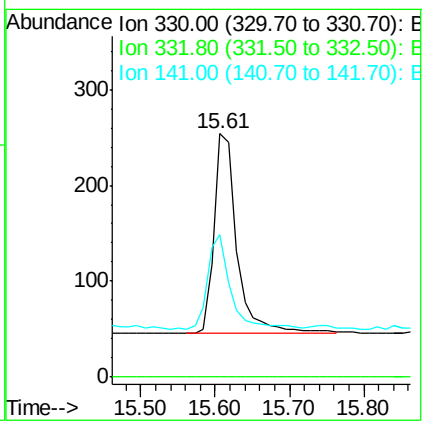


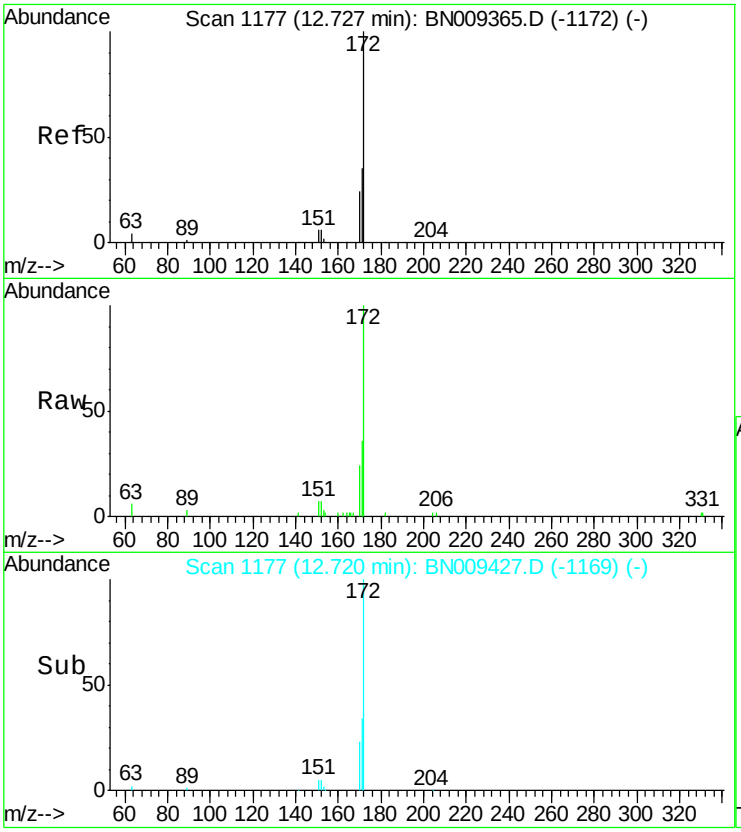


#14
2,4,6-Tribromophenol
Concen: 0.391 ng
RT: 15.61 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:330 Resp: 450

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	46.2	33.1	49.7



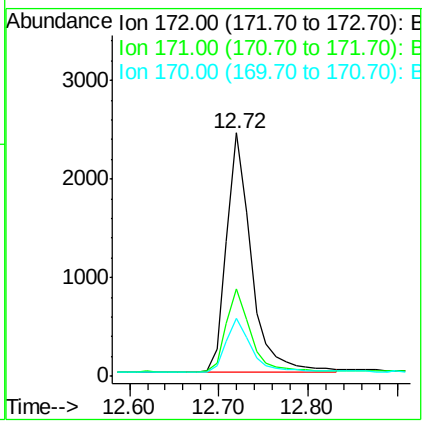


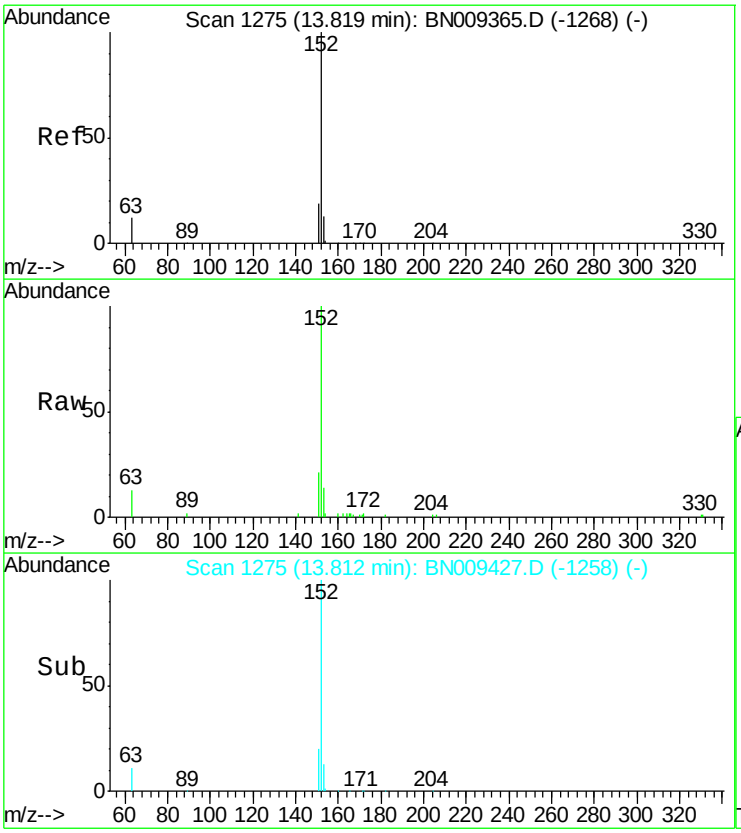
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.72 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 4669

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.5	44.3
170	24.1	20.7	31.1

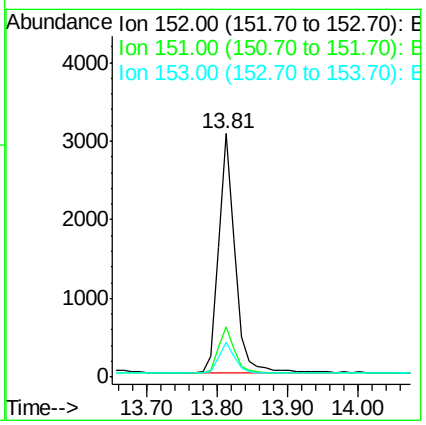


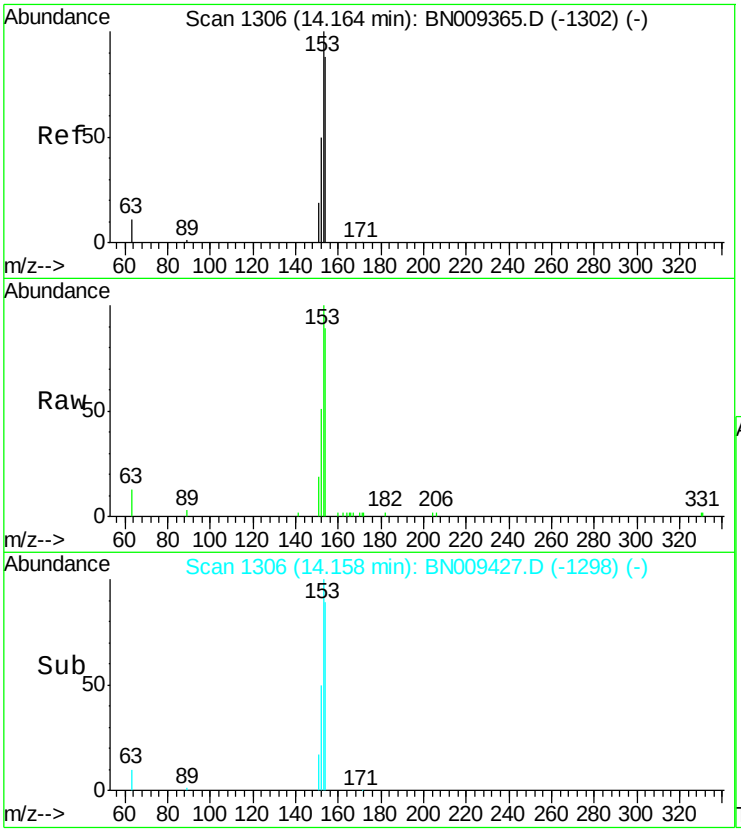


#16
Acenaphthylene
Concen: 0.383 ng
RT: 13.81 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:152 Resp: 5022

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.1	10.4	15.6



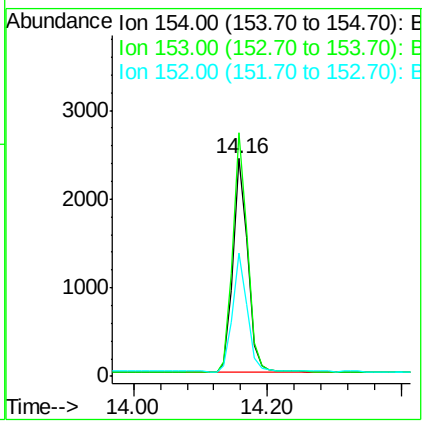


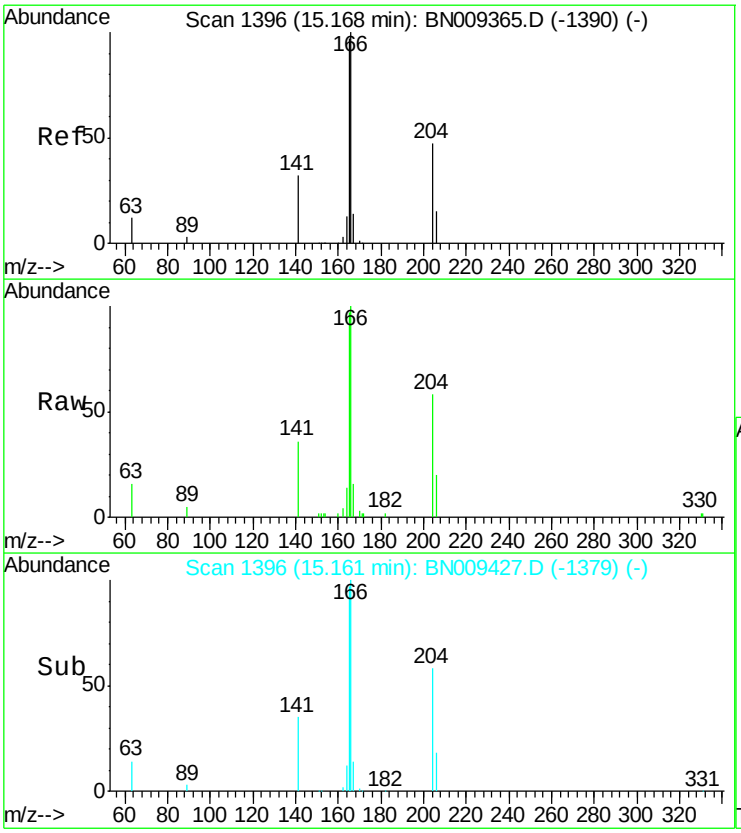
#17
Acenaphthene
Concen: 0.393 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 3621

Ion	Ratio	Lower	Upper
154	100		
153	112.3	90.5	135.7
152	55.3	45.3	67.9

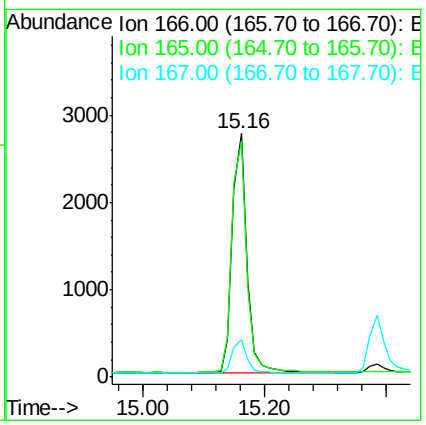


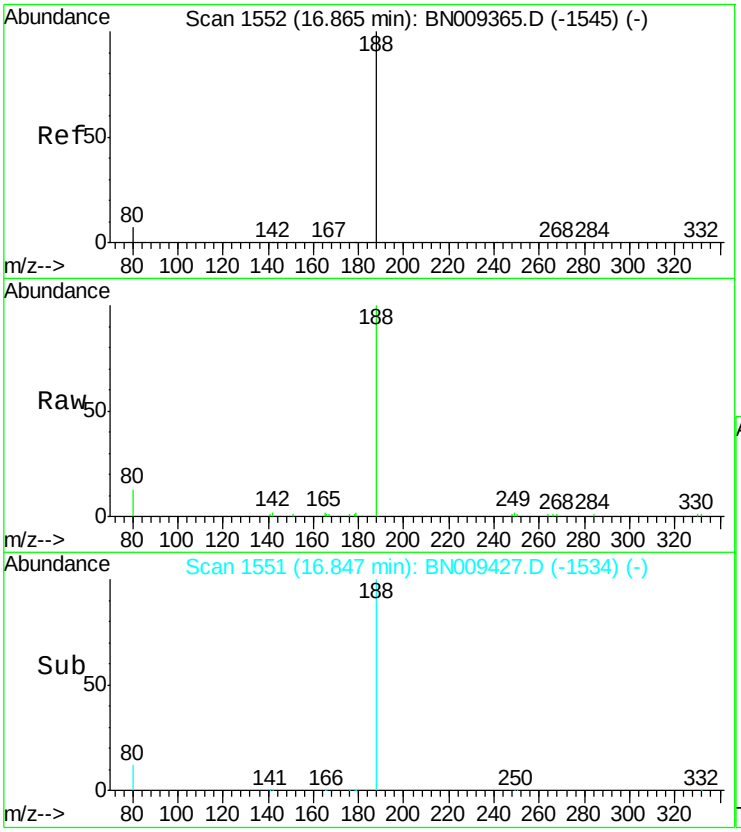


#18
Fluorene
Concen: 0.380 ng
RT: 15.16 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:166 Resp: 4568

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.2
167	13.9	11.0	16.6



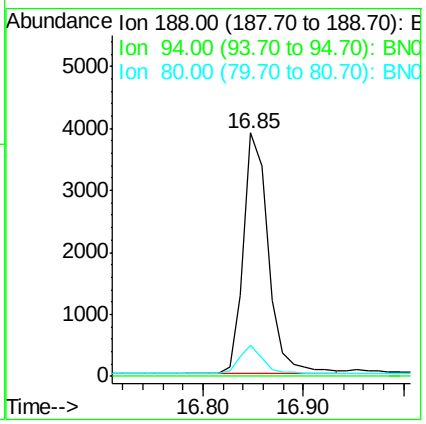


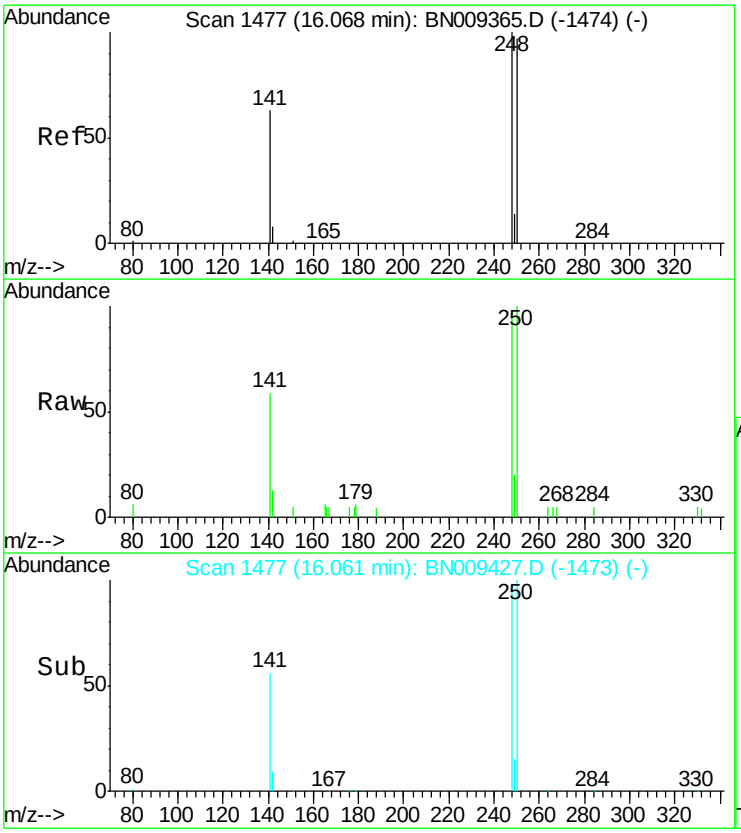
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.85 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6725

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	6.6	10.0#

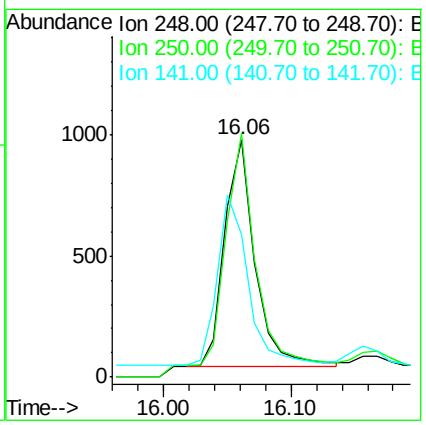


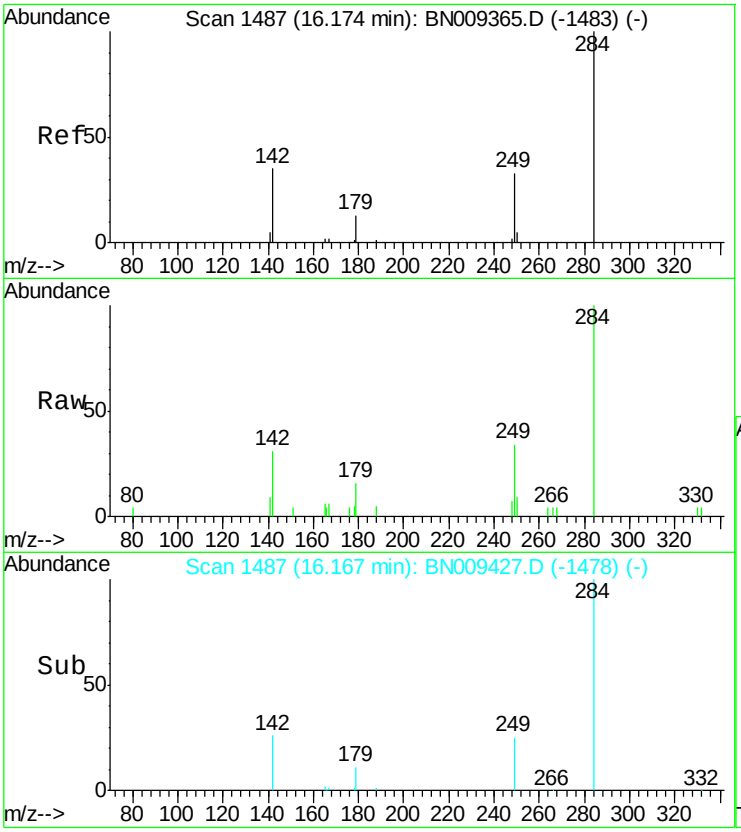


#20
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.06 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:248 Resp: 1538

Ion	Ratio	Lower	Upper
248	100		
250	102.4	77.8	116.8
141	59.9	53.4	80.0



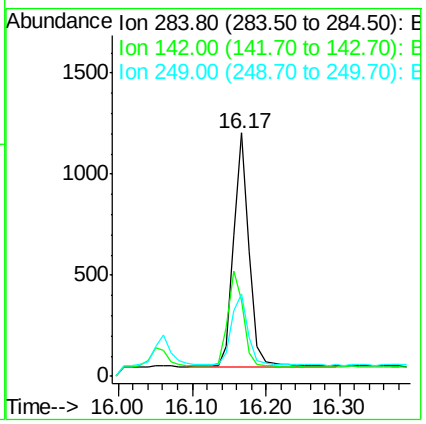


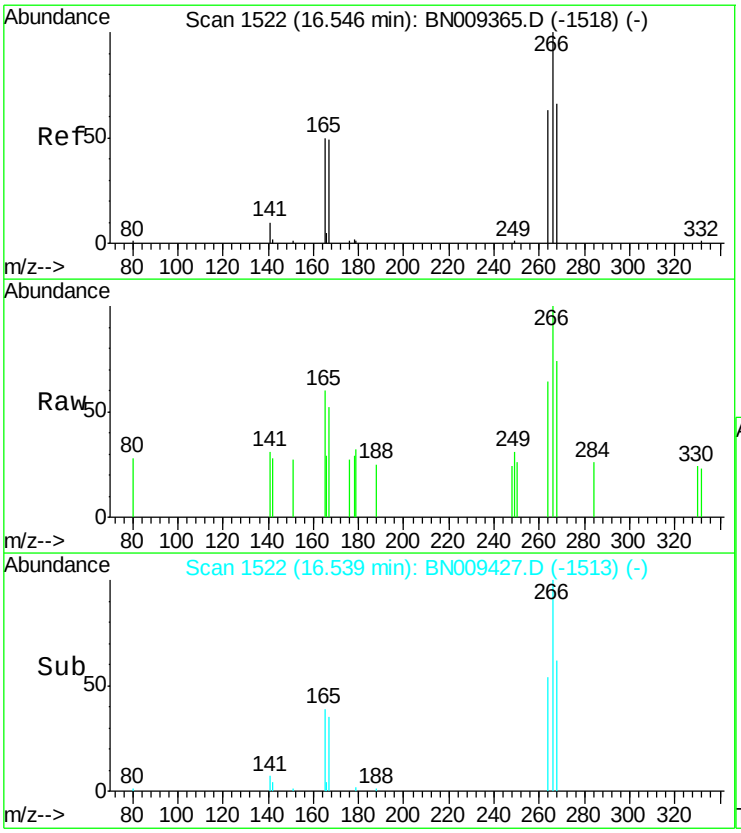
#21
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 1694

Ion	Ratio	Lower	Upper
284	100		
142	41.4	33.8	50.8
249	31.9	27.0	40.4

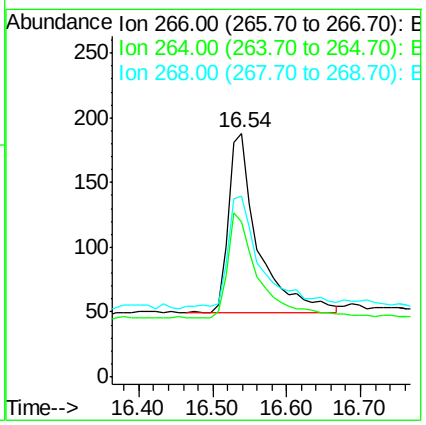


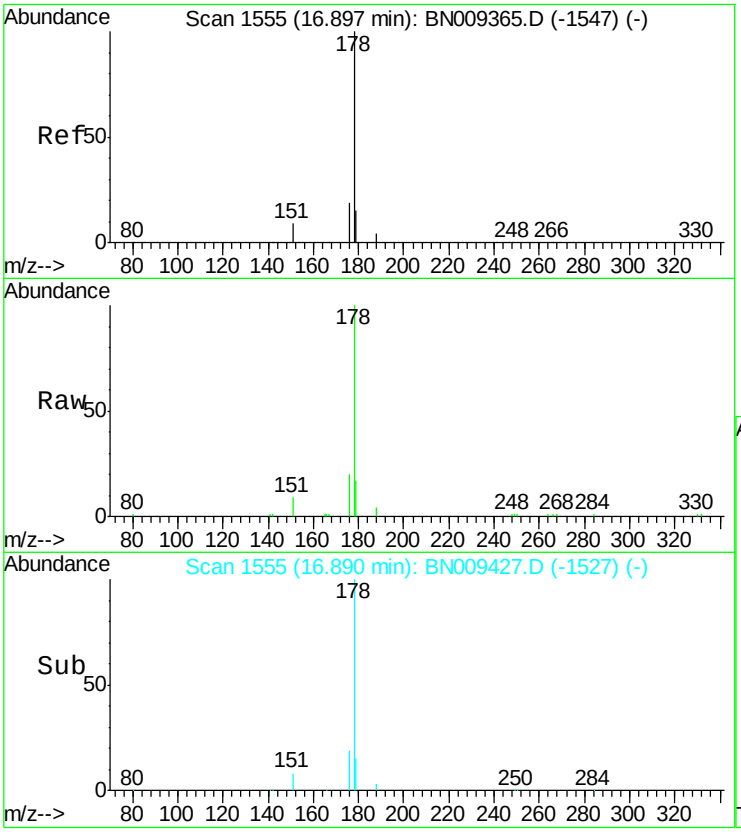


#22
Pentachlorophenol
Concen: 0.404 ng
RT: 16.54 min Scan# 1522
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:266 Resp: 392

Ion	Ratio	Lower	Upper
266	100		
264	63.8	57.8	86.6
268	73.9	63.8	95.6



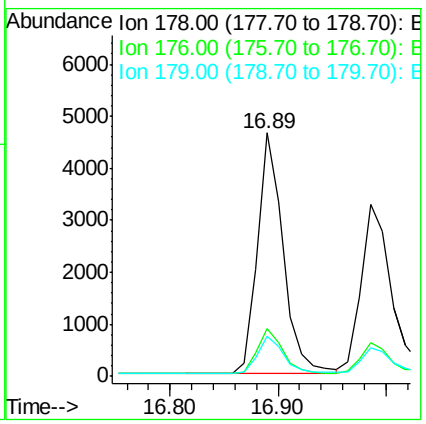


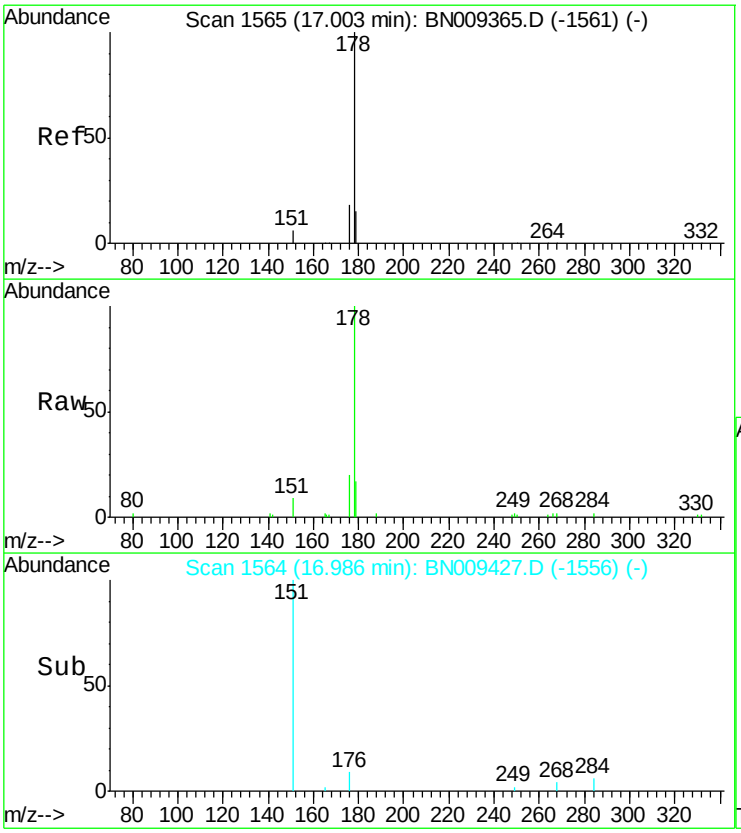
#23
Phenanthrene
Concen: 0.378 ng
RT: 16.89 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 7630

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.7	12.3	18.5

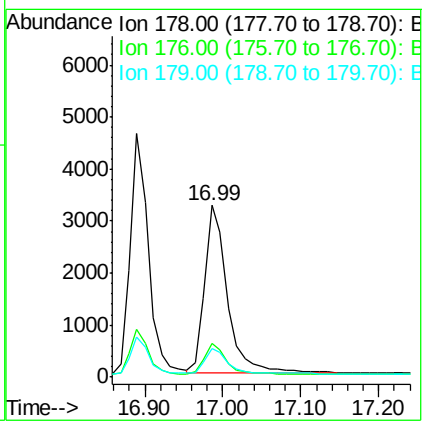


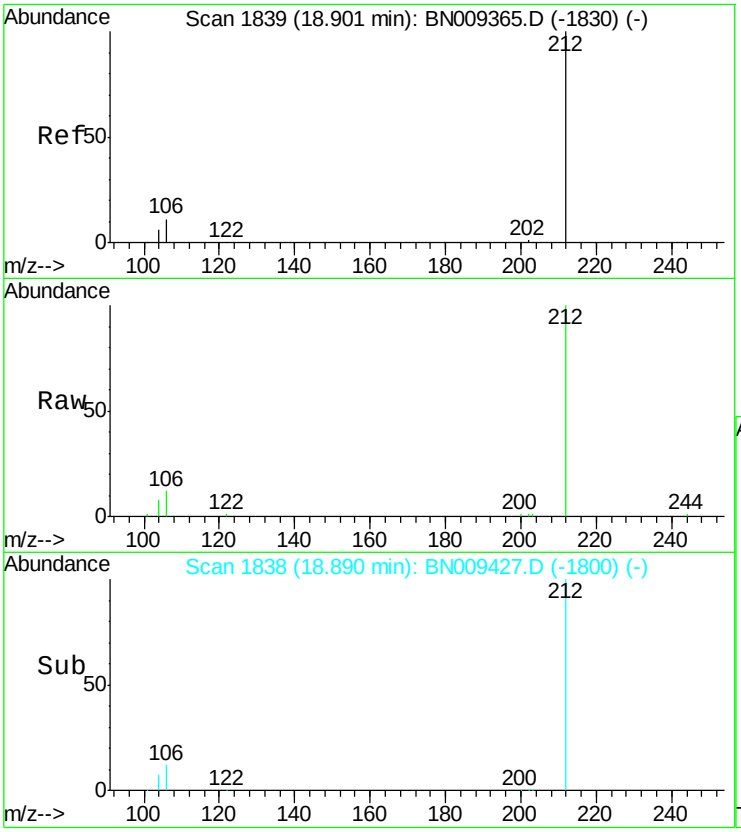


#24
Anthracene
Concen: 0.377 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:178 Resp: 6391

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.5	18.7



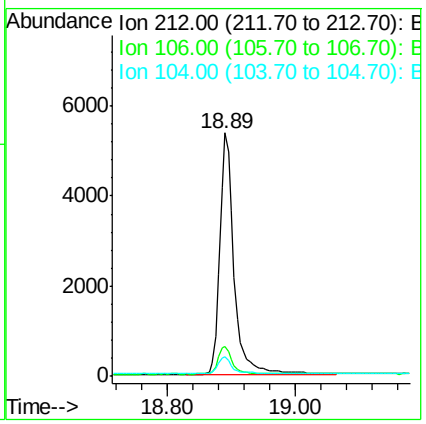


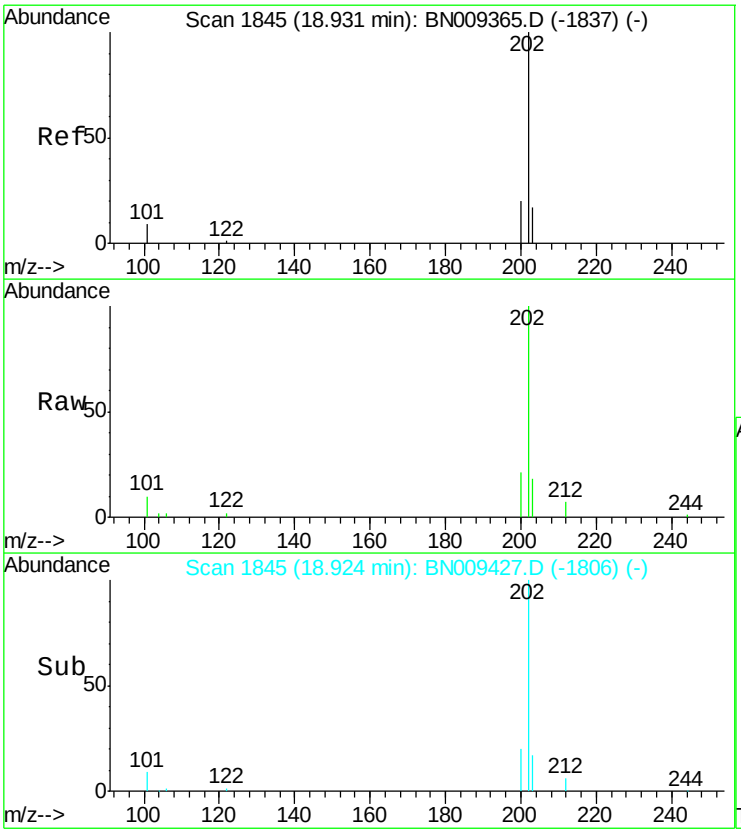
#25
Fluoranthene-d10
Concen: 0.364 ng
RT: 18.89 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 8405

Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.2	13.8
104	6.5	5.4	8.0

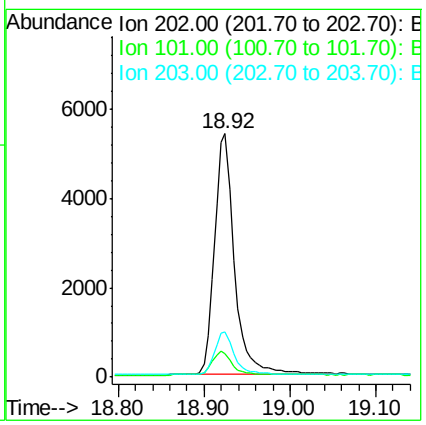


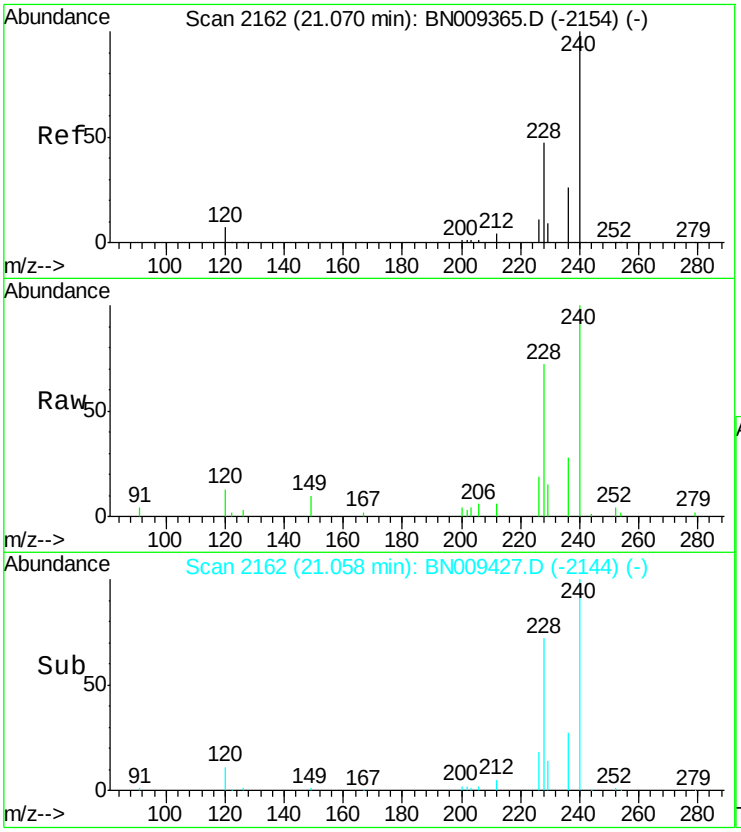


#26
Fluoranthene
Concen: 0.369 ng
RT: 18.92 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:202 Resp: 8744

Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.0	12.0
203	17.4	13.5	20.3



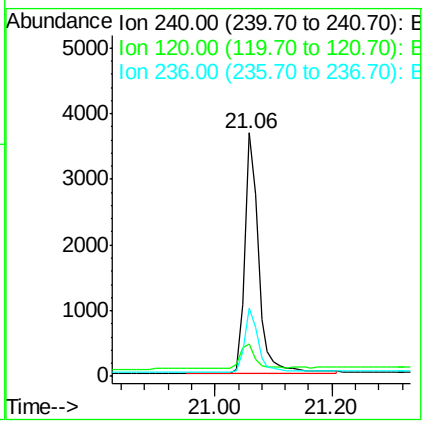


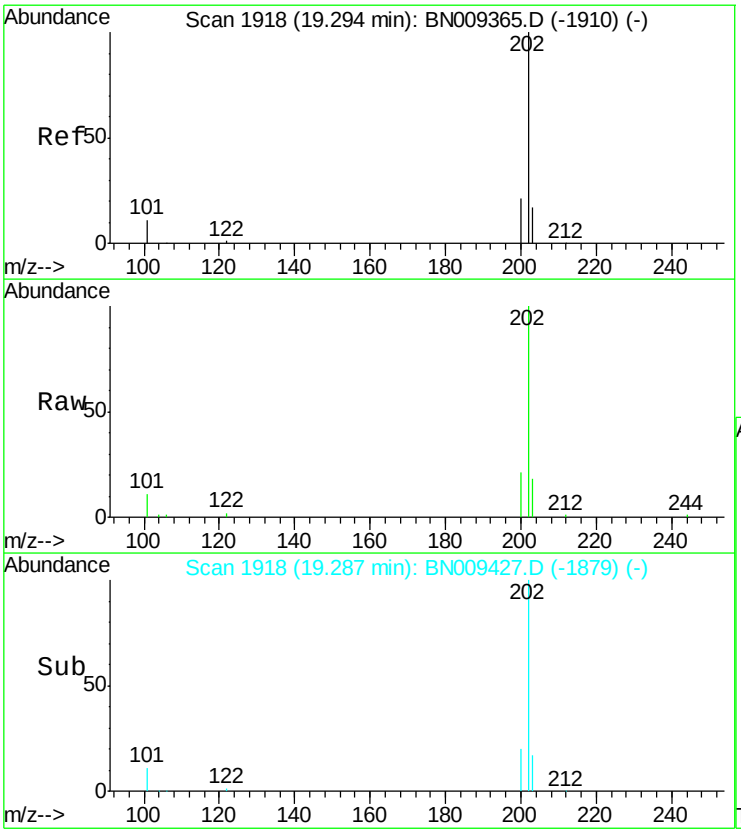
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 5956

Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.1	12.1#
236	28.3	22.2	33.4

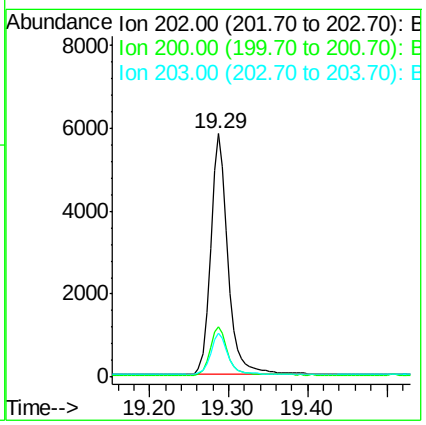


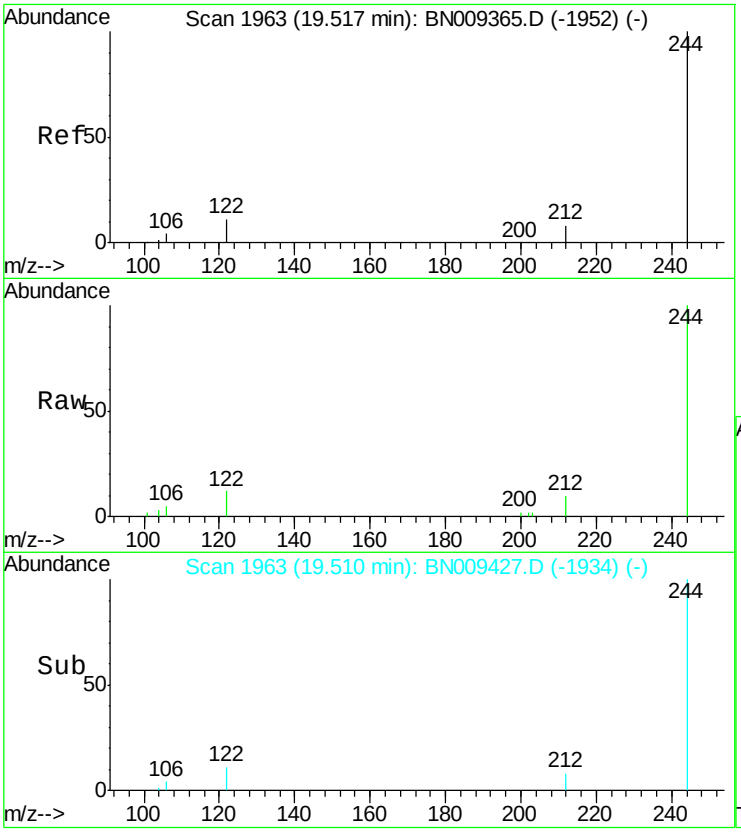


#28
Pyrene
Concen: 0.397 ng
RT: 19.29 min Scan# 1918
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:202 Resp: 8956

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.4	14.1	21.1



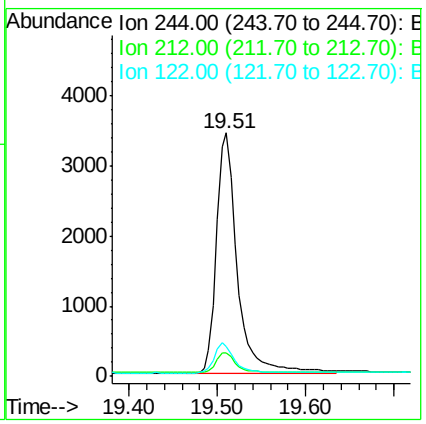


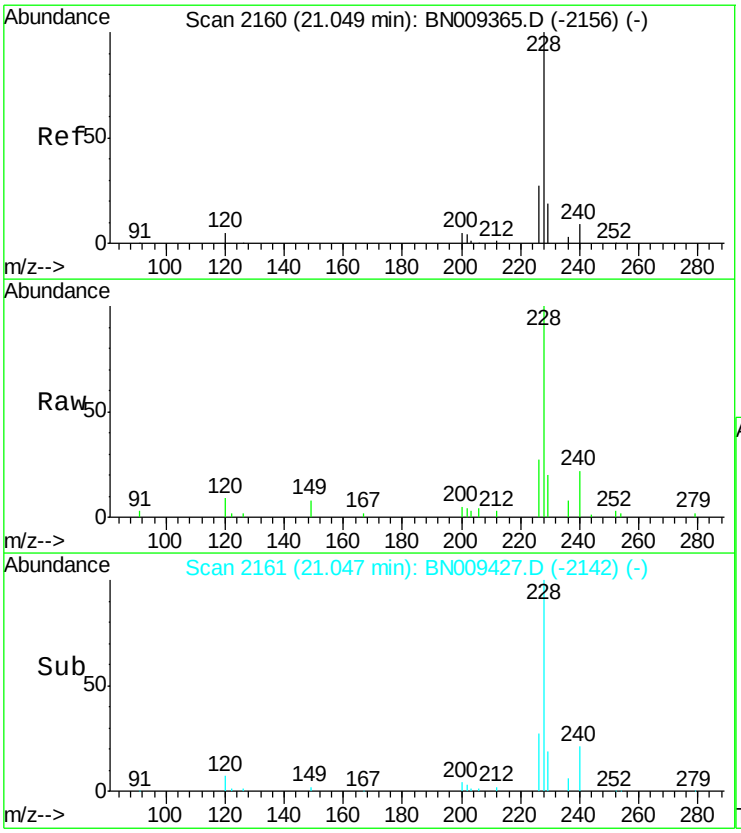
#29
Terphenyl-d14
Concen: 0.398 ng
RT: 19.51 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 5619

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.5	11.3
122	12.0	9.8	14.6

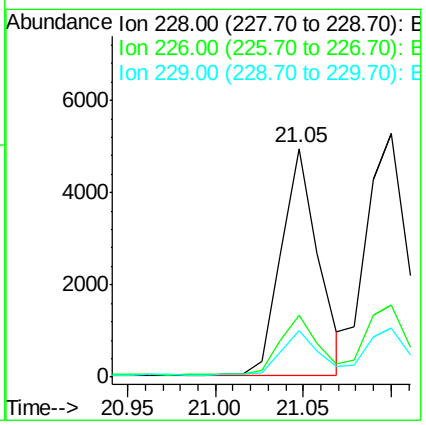


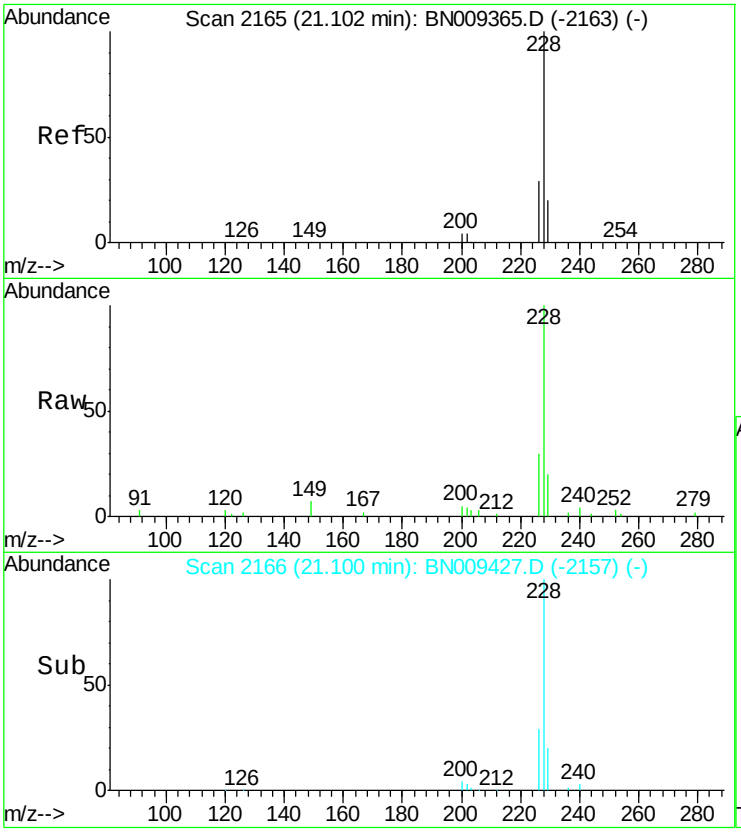


#30
Benzo(a)anthracene
Concen: 0.370 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:228 Resp: 7237

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.5	33.7
229	20.3	16.1	24.1



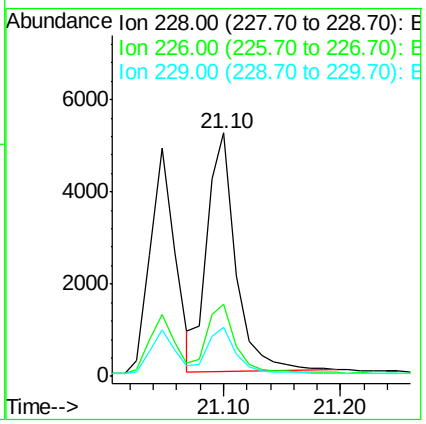


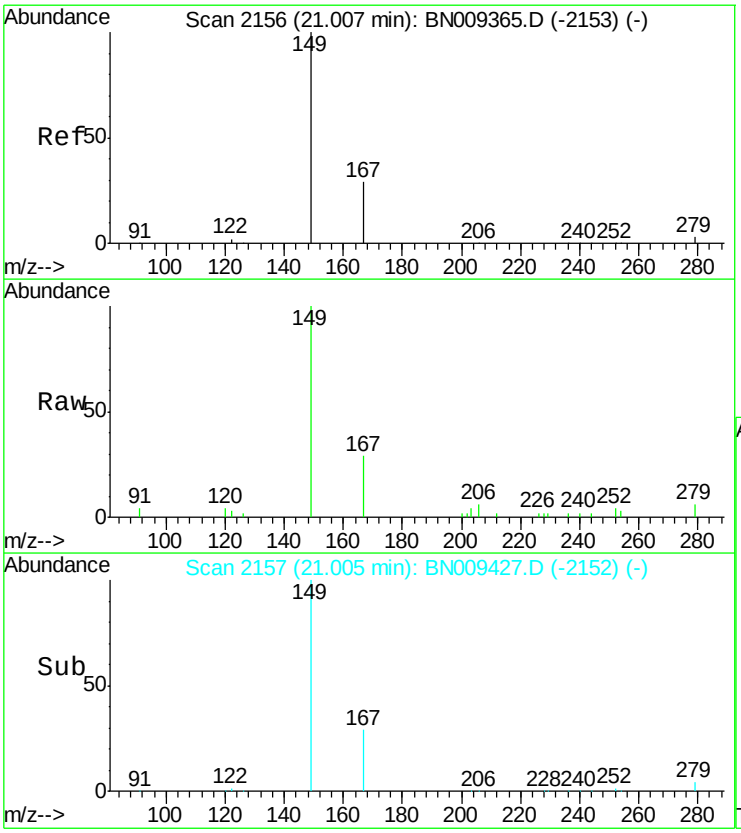
#31
Chrysene
Concen: 0.397 ng
RT: 21.10 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 8883

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	20.4	16.6	24.8

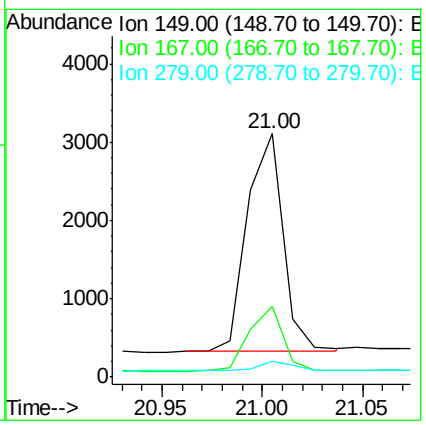


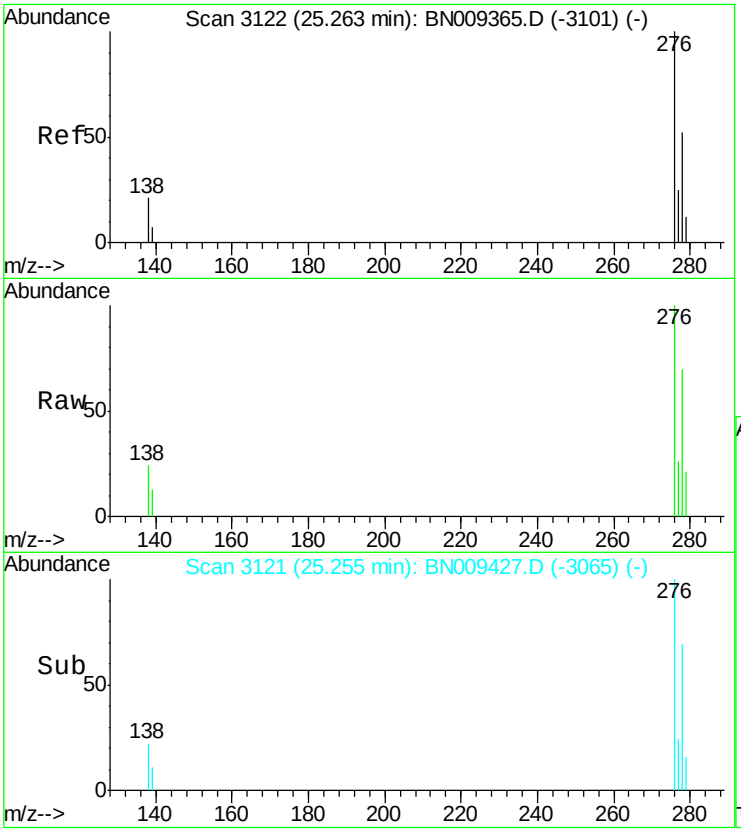


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.405 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:149 Resp: 3506

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.9	34.3
279	3.7	3.4	5.0



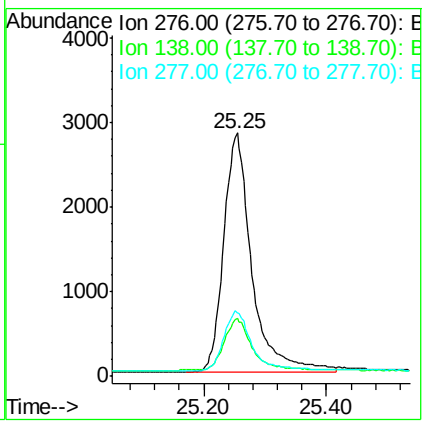


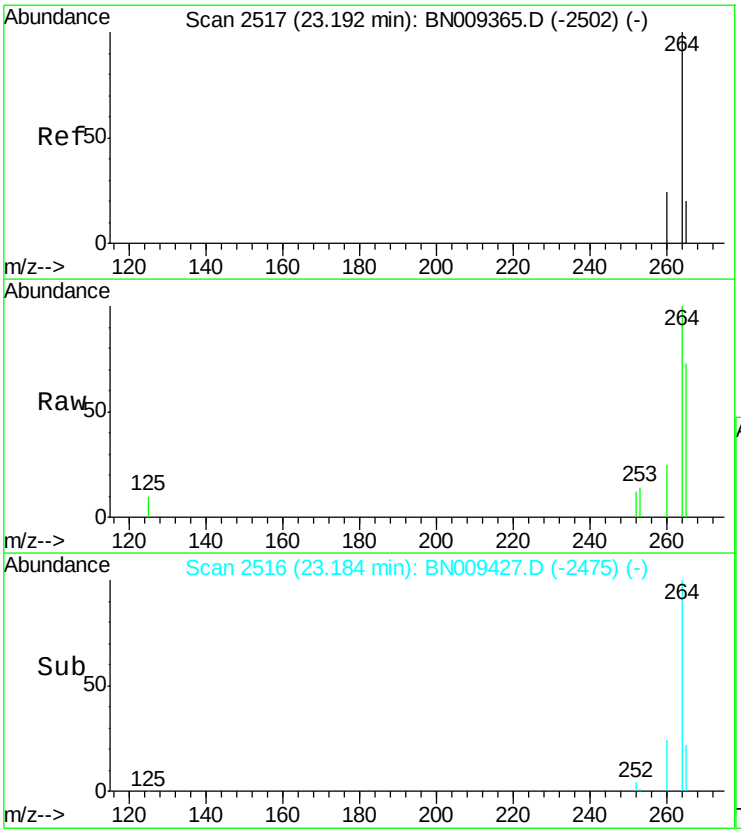
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.385 ng
RT: 25.25 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 8961

Ion	Ratio	Lower	Upper
276	100		
138	20.5	15.9	23.9
277	25.0	19.8	29.6

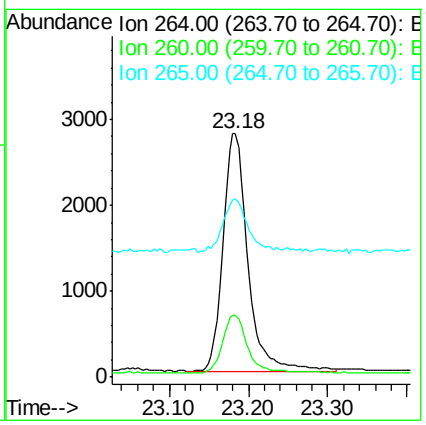


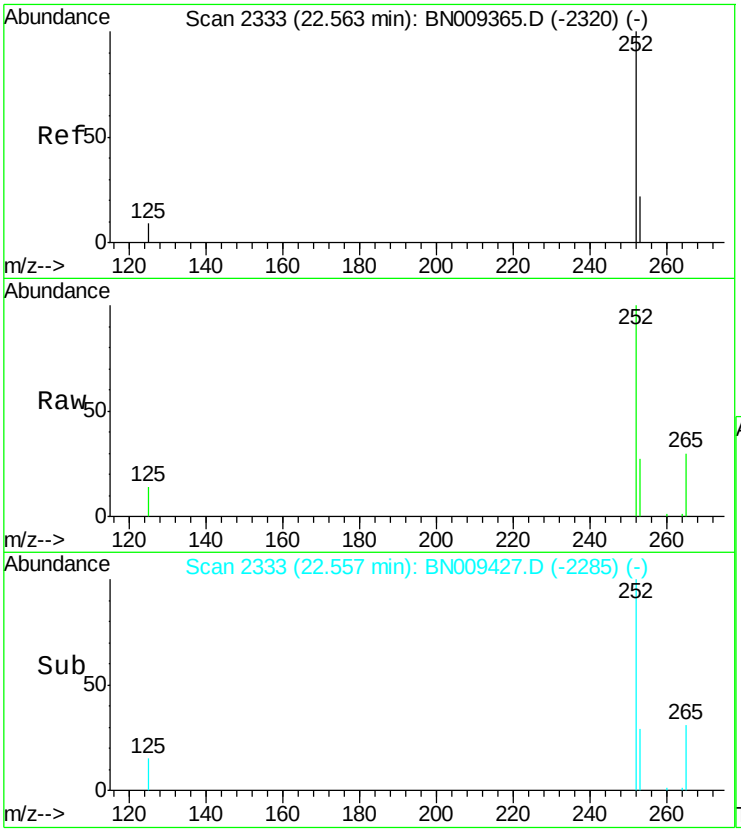


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.18 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:264 Resp: 6028

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	73.0	68.2	102.4



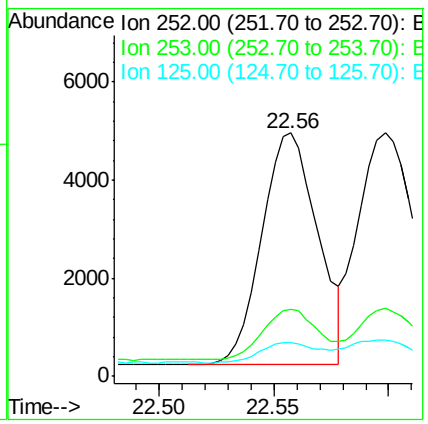


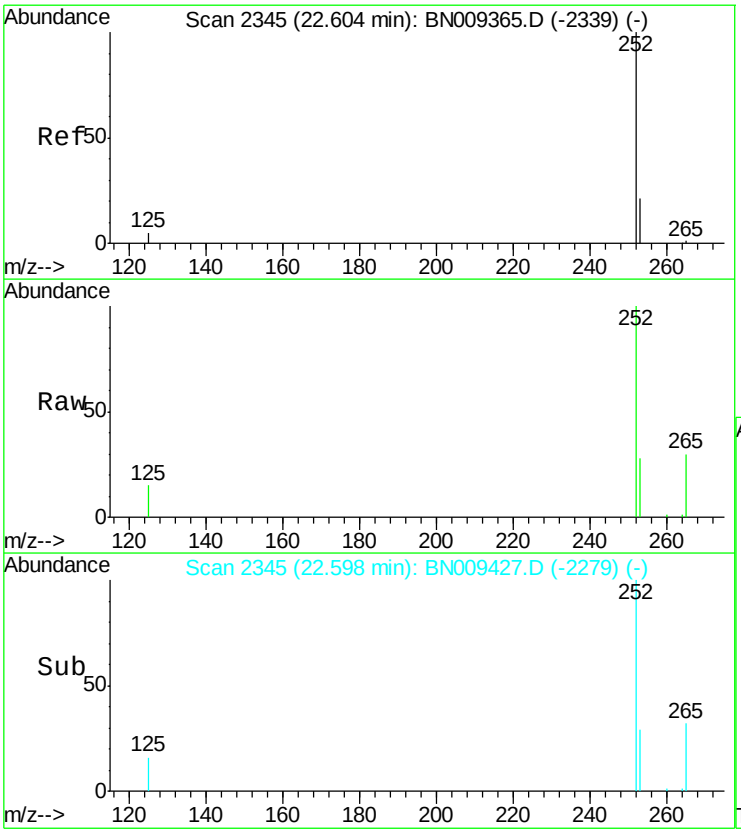
#35
Benzo(b)fluoranthene
Concen: 0.360 ng
RT: 22.56 min Scan# 2333
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7988

Ion	Ratio	Lower	Upper
252	100		
253	27.4	22.4	33.6
125	13.9	11.6	17.4

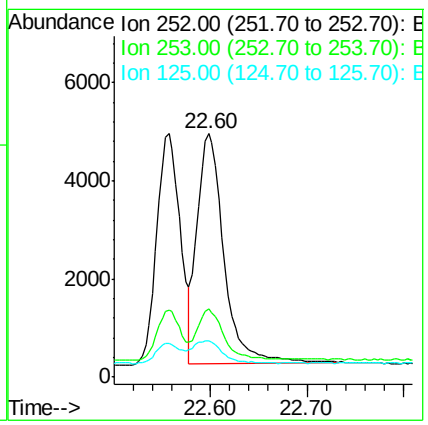


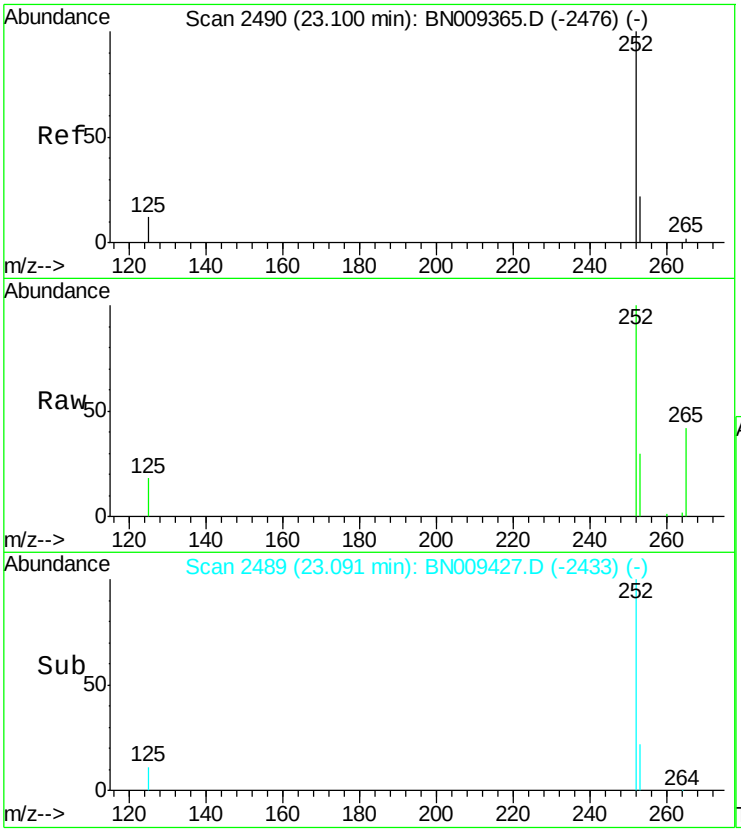


#36
Benzo(k)fluoranthene
Concen: 0.368 ng
RT: 22.60 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:252 Resp: 9015

Ion	Ratio	Lower	Upper
252	100		
253	27.9	21.9	32.9
125	15.1	12.0	18.0



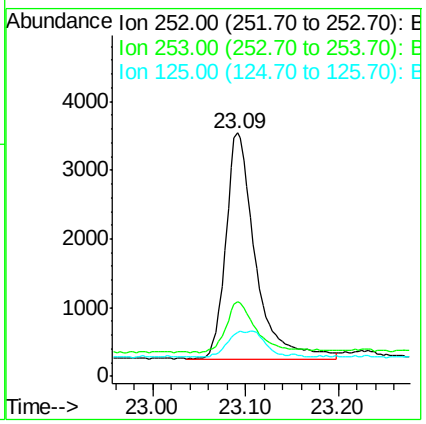


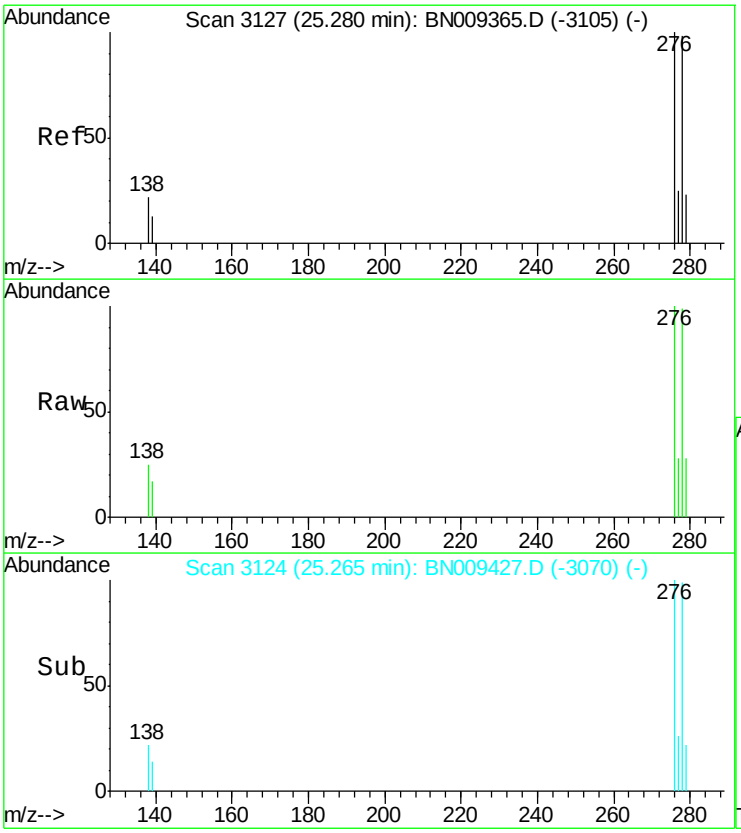
#37
Benzo(a)pyrene
Concen: 0.379 ng
RT: 23.09 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7388

Ion	Ratio	Lower	Upper
252	100		
253	30.4	25.4	38.0
125	17.8	16.2	24.2

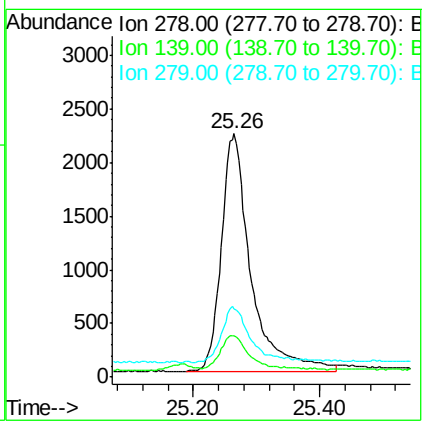


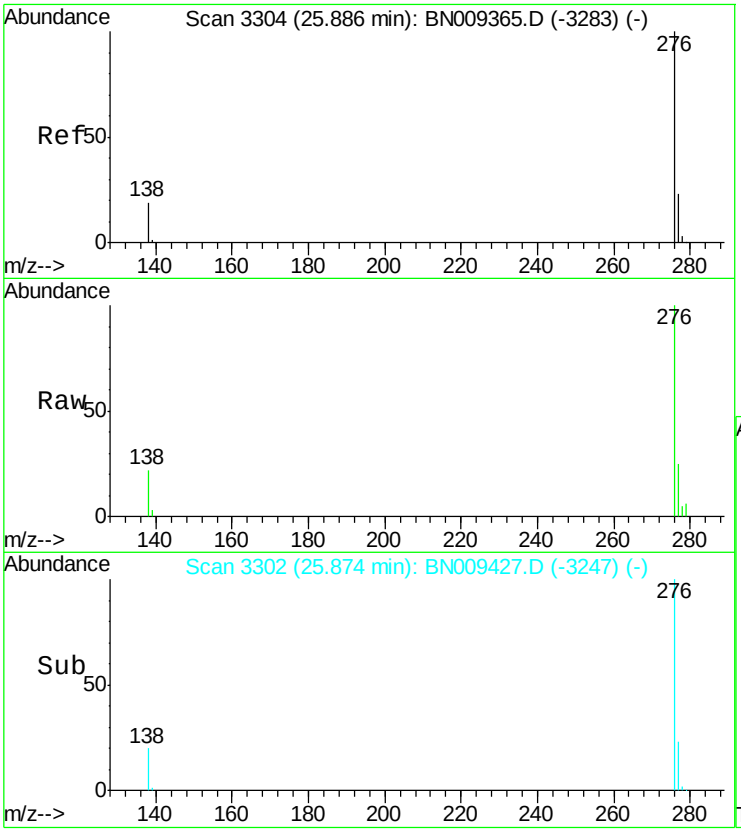


#38
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 25.26 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Tgt Ion:278 Resp: 7158

Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.5	21.7
279	28.1	24.2	36.4





#39
Benzo(g,h,i)perylene
Concen: 0.357 ng
RT: 25.87 min Scan# 3302
Delta R.T. -0.01 min
Lab File: BN009427.D
Acq: 23 Jan 2020 17:16

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 7713

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.6	30.8
138	22.1	17.1	25.7