Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122320\
Data File : BN013312.D
Acq On : 24 Dec 2020 04:16
Operator : CG/JU
Sample : L5123-16MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT180D1-20201214MS

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12/24/2020 10:42:45 AM

Quant Time: Dec 24 05:46:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 10:46:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.330	152	626	0.40	ng		0.00
7) Naphthalene-d8	10.087	136	1952	0.40	ng		#-0.01
13) Acenaphthene-d10	13.978	164	1172	0.40	ng		-0.01
19) Phenanthrene-d10	16.751	188	2603	0.40	ng		#-0.01
29) Chrysene-d12	20.985	240	3048	0.40	ng		#-0.01
36) Perylene-d12	23.072	264	3195	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	4.962	112	199	0.08	ng		0.00
5) Phenol-d6	6.565	99	111	0.04	ng		0.02
8) Nitrobenzene-d5	8.515	82	500	0.25	ng		0.01
11) 2-Methylnaphthalene-d10	11.697	152	803	0.23	ng		0.00
14) 2,4,6-Tribromophenol	15.514	330	171	0.23	ng		-0.01
15) 2-Fluorobiphenyl	12.595	172	1152	0.23	ng		-0.01
27) Fluoranthene-d10	18.801	212	2948	0.34	ng		-0.01
31) Terphenyl-d14	19.422	244	2426	0.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.917	88	3768	3.45	ng		99
3) n-Nitrosodimethylamine	3.263	42	257	0.14	ng	#	87
6) bis(2-Chloroethyl)ether	6.782	93	490	0.30	ng		89
9) Naphthalene	10.137	128	1473	0.25	ng	#	87
10) Hexachlorobutadiene	10.404	225	287	0.22	ng	#	95
12) 2-Methylnaphthalene	11.773	142	886	0.22	ng	#	90
16) Acenaphthylene	13.699	152	1543	0.25	ng		97
17) Acenaphthene	14.042	154	1001	0.26	ng		89
18) Fluorene	15.057	166	1462	0.28	ng		100
20) 4,6-Dinitro-2-methylph...	15.222	198	121	0.36	ng	#	1
21) 4-Bromophenyl-phenylether	16.021	248	79m	0.16	ng		
22) Hexachlorobenzene	16.070	284	497	0.28	ng		93
23) Atrazine	16.252	200	333	0.21	ng	#	76
24) Pentachlorophenol	16.423	266	498	0.66	ng		98
25) Phenanthrene	16.800	178	3013	0.36	ng		99
26) Anthracene	16.897	178	2384	0.32	ng		99
28) Fluoranthene	18.836	202	3944	0.38	ng		99
30) Pyrene	19.203	202	3994	0.34	ng		99
32) Benzo(a)anthracene	20.974	228	3398	0.32	ng		97
33) Chrysene	21.016	228	4185	0.37	ng		96
34) Bis(2-ethylhexyl)phtha...	20.910	149	2284	0.15	ng		96
35) Indeno(1,2,3-cd)pyrene	25.108	276	5200	0.33	ng		97
37) Benzo(b)fluoranthene	22.459	252	4282	0.38	ng	#	89
38) Benzo(k)fluoranthene	22.500	252	4840	0.38	ng	#	91
39) Benzo(a)pyrene	22.986	252	3860	0.34	ng	#	87
40) Dibenzo(a,h)anthracene	25.112	278	4354	0.36	ng	#	84
41) Benzo(g,h,i)perylene	25.728	276	4815	0.37	ng	#	94

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

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Data File : BN013312.D
Acq On : 24 Dec 2020 04:16
Operator : CG/JU
Sample : L5123-16MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 24 05:46:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 10:46:43 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
TT180D1-20201214MS

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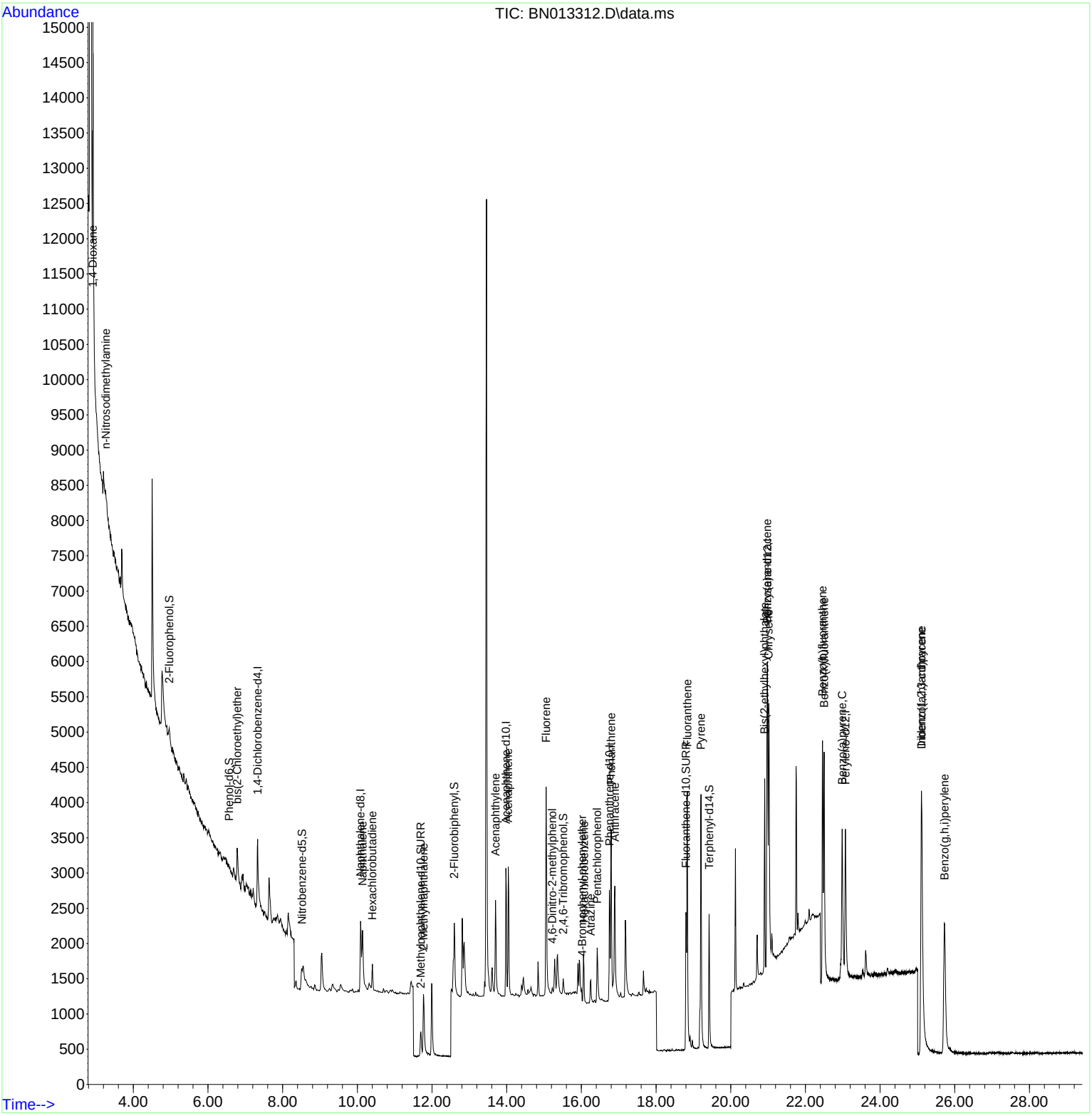
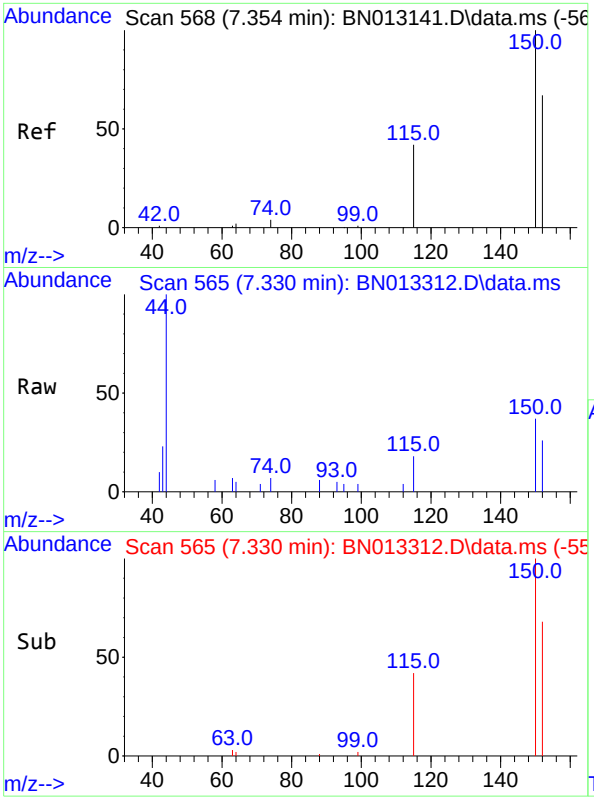
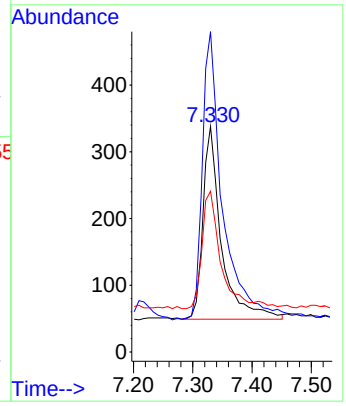




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.330 min Scan# 565
Delta R.T. -0.000 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:152 Resp: 626

Ion	Ratio	Lower	Upper
152	100		
150	142.0	116.6	174.8
115	71.3	52.9	79.3



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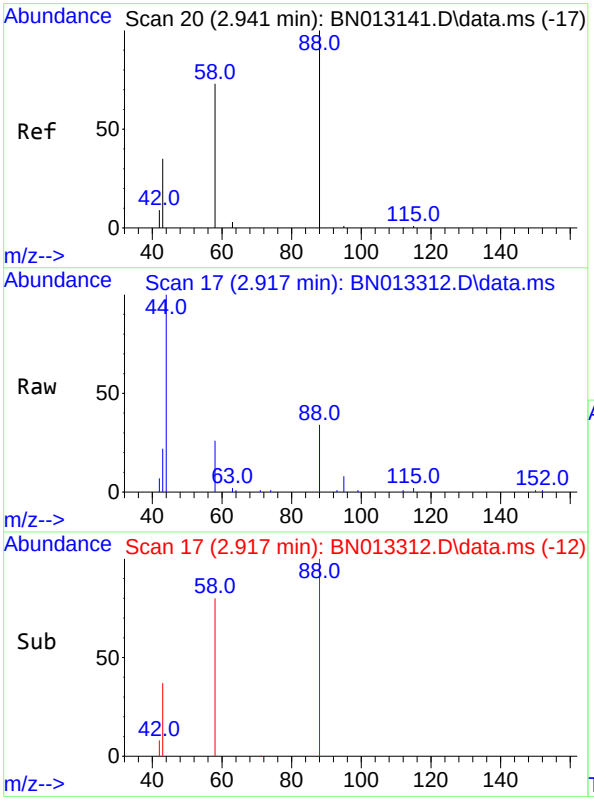
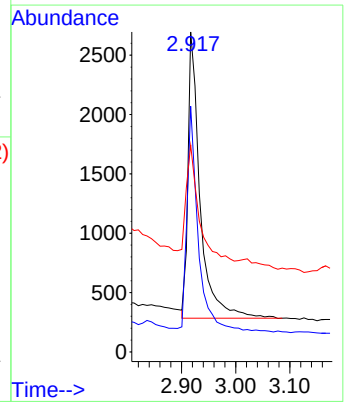
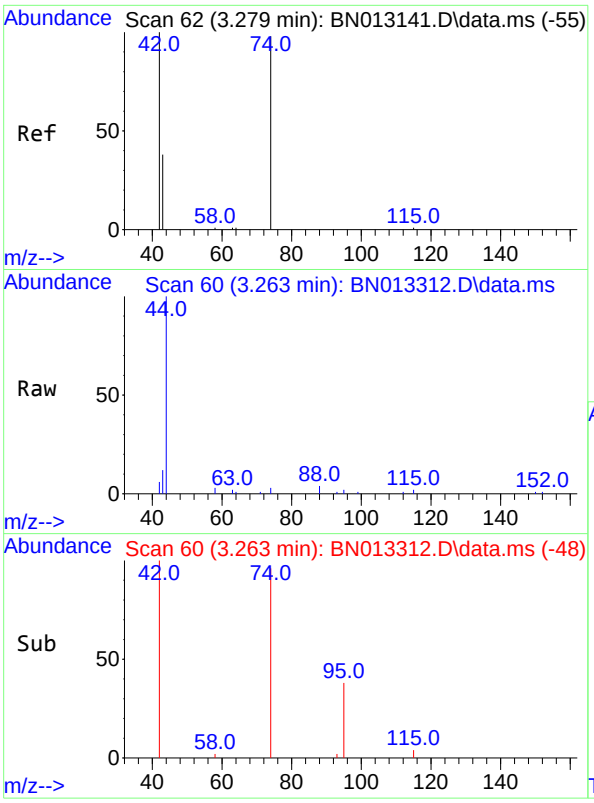


#2
1,4-Dioxane
Concen: 3.45 ng
RT: 2.917 min Scan# 17
Delta R.T. -0.008 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion: 88 Resp: 3768

Ion	Ratio	Lower	Upper
88	100		
58	73.7	59.4	89.2
43	41.7	32.3	48.5

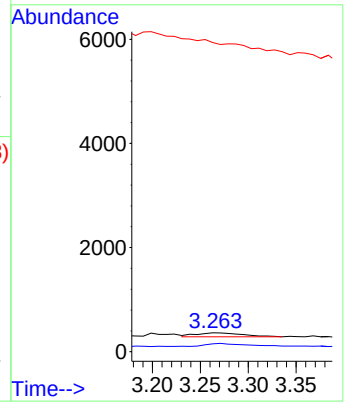




#3
n-Nitrosodimethylamine
Concen: 0.14 ng
RT: 3.263 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion: 42 Resp: 257

Ion	Ratio	Lower	Upper
42	100		
74	69.3	64.4	96.6
44	0.0	2.8	4.2#



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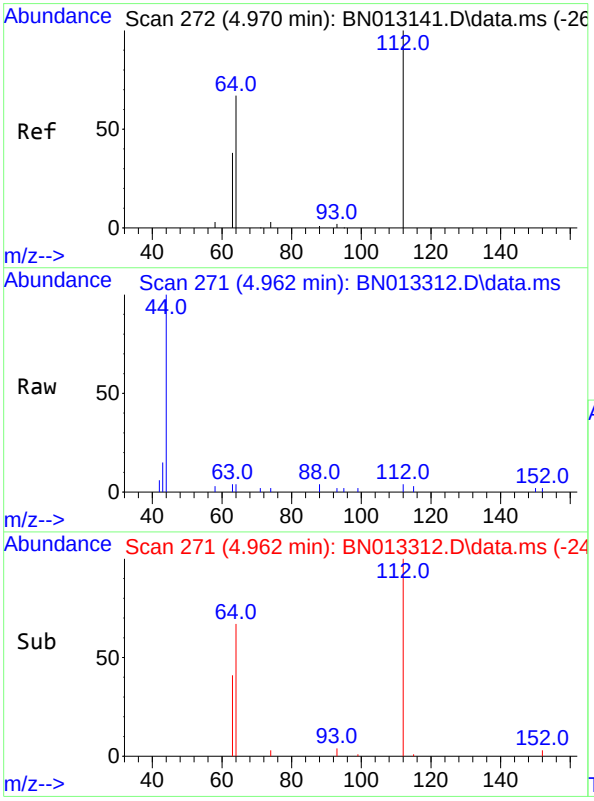
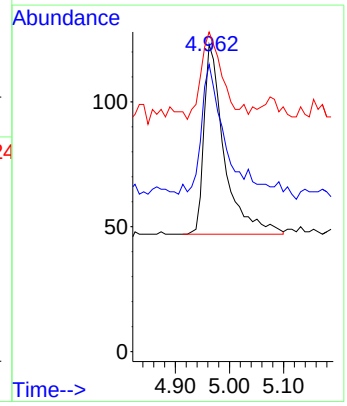
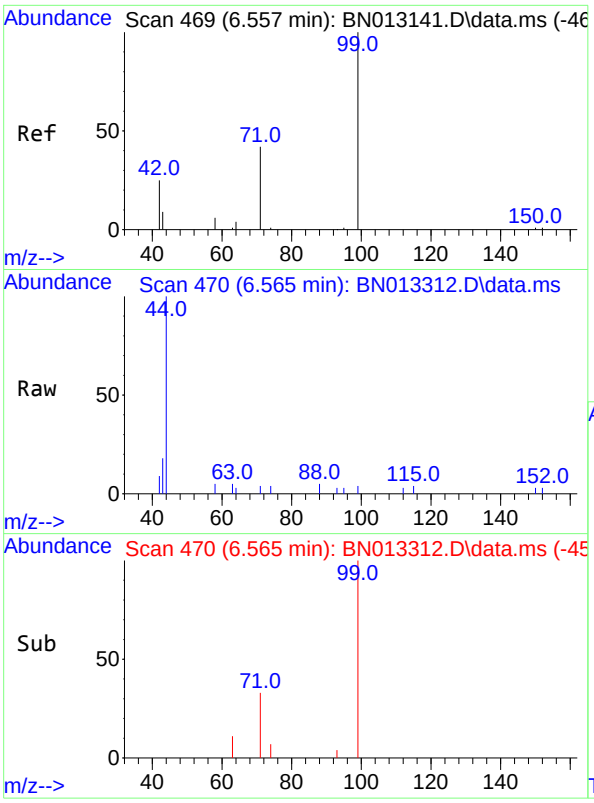


#4
2-Fluorophenol
Concen: 0.08 ng
RT: 4.962 min Scan# 271
Delta R.T. 0.008 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:112 Resp: 199

Ion	Ratio	Lower	Upper
112	100		
64	78.4	49.5	74.3#
63	47.7	32.0	48.0

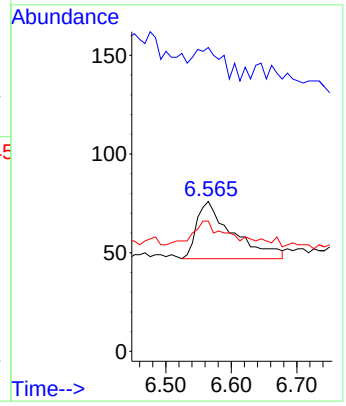




#5
Phenol-d6
Concen: 0.04 ng
RT: 6.565 min Scan# 470
Delta R.T. 0.024 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion: 99 Resp: 111

Ion	Ratio	Lower	Upper
99	100		
42	46.8	22.4	33.6#
71	41.4	37.8	56.6



Instrument :
BNA_N
ClientSampleId :
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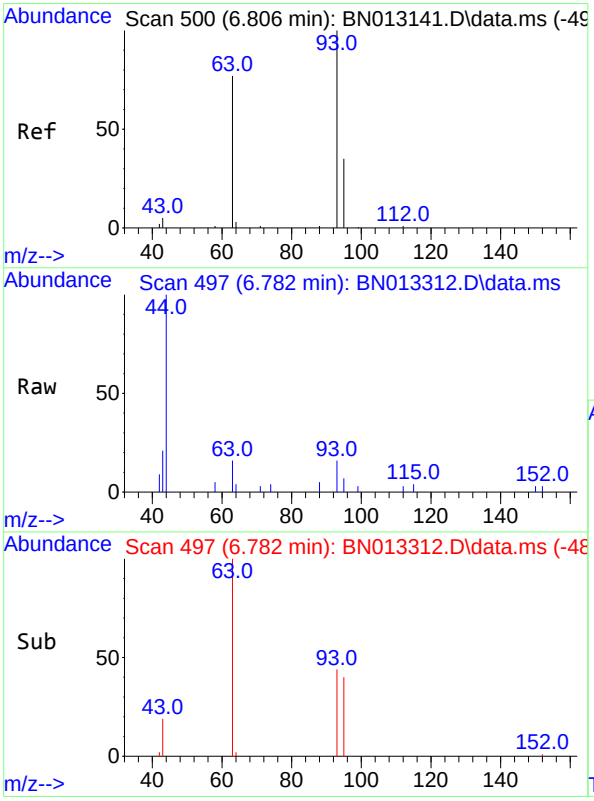
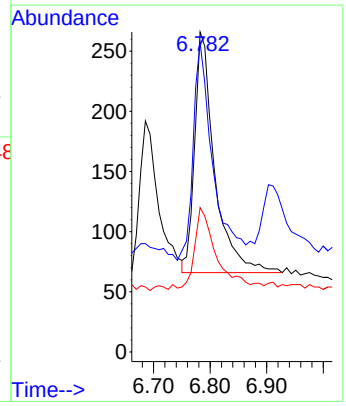
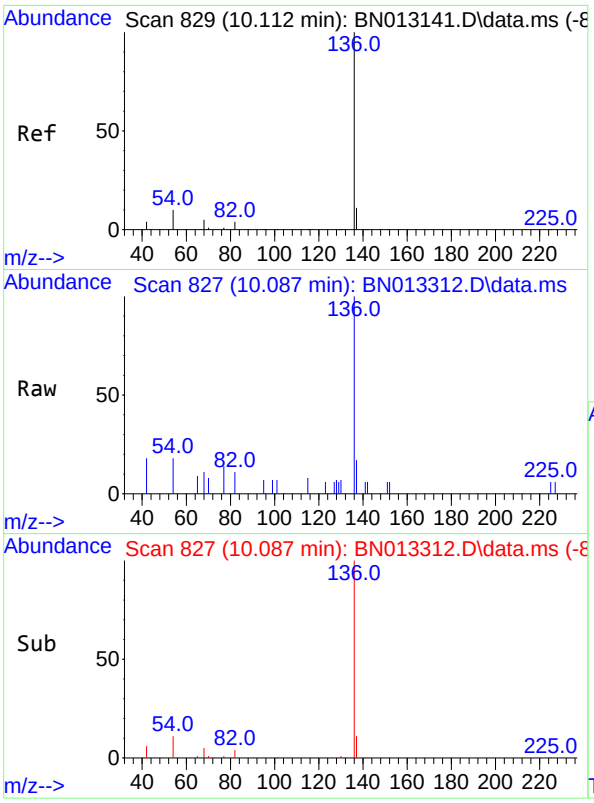


#6
bis(2-Chloroethyl)ether
Concen: 0.30 ng
RT: 6.782 min Scan# 497
Delta R.T. 0.000 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion: 93 Resp: 490

Ion	Ratio	Lower	Upper
93	100		
63	89.4	63.1	94.7
95	38.2	26.1	39.1

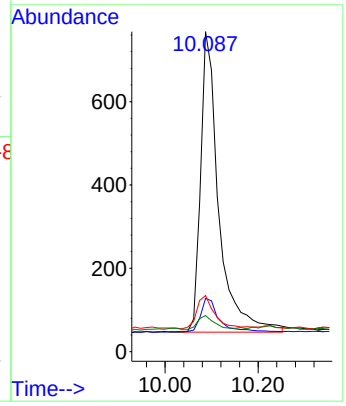


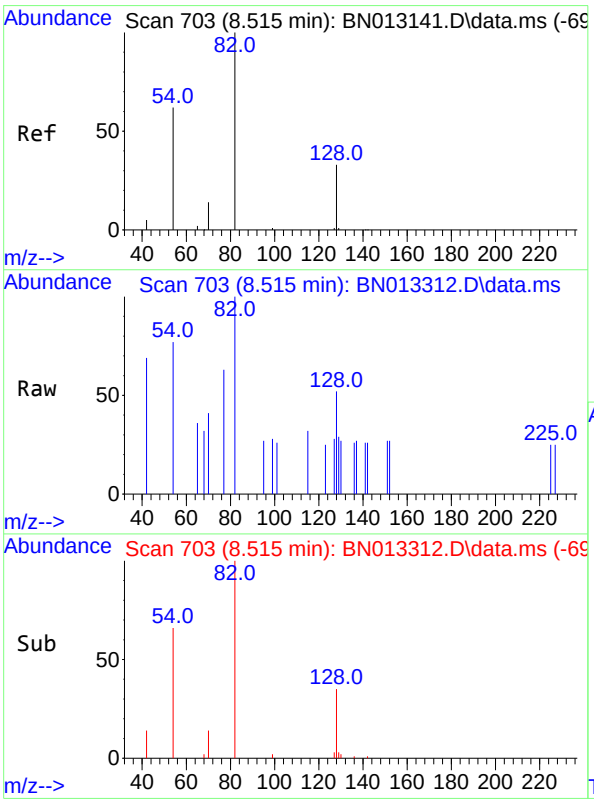


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.087 min Scan# 827
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:136 Resp: 1952

Ion	Ratio	Lower	Upper
136	100		
137	16.7	10.6	15.8#
54	17.6	8.6	12.8#
68	11.3	5.7	8.5#

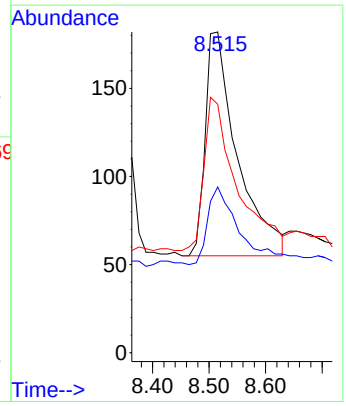




#8
Nitrobenzene-d5
Concen: 0.25 ng
RT: 8.515 min Scan# 703
Delta R.T. 0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion: 82 Resp: 500

Ion	Ratio	Lower	Upper
82	100		
128	51.6	30.6	46.0#
54	77.5	48.3	72.5#



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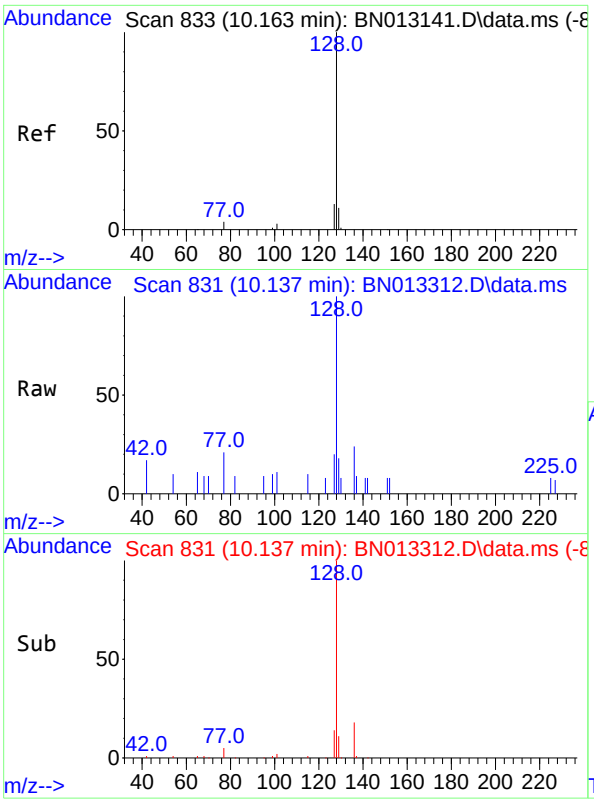
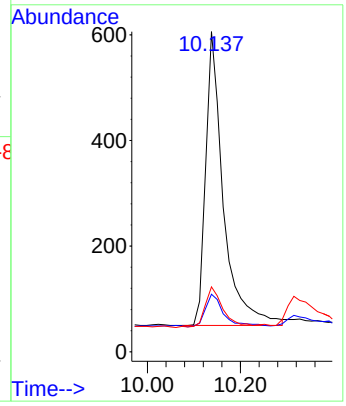


#9
Naphthalene
Concen: 0.25 ng
RT: 10.137 min Scan# 831
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:128 Resp: 1473

Ion	Ratio	Lower	Upper
128	100		
129	18.0	9.8	14.8#
127	20.3	12.2	18.4#



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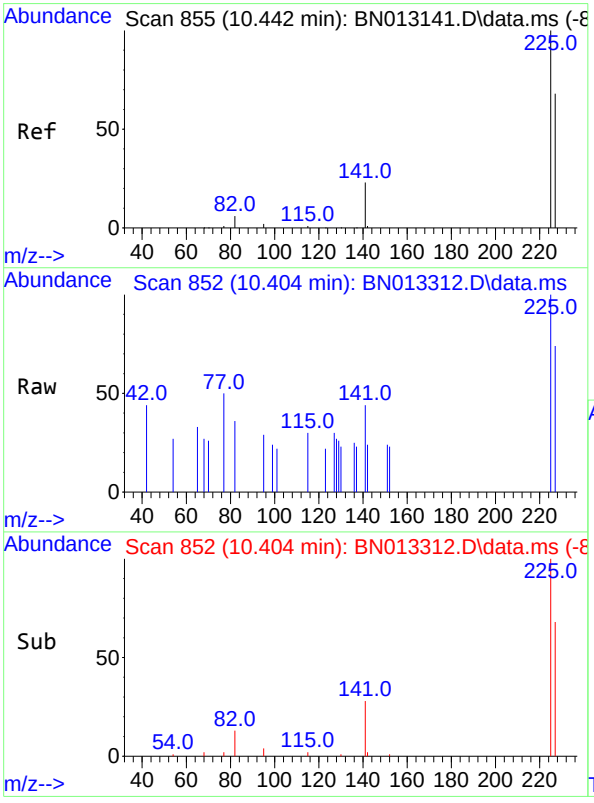
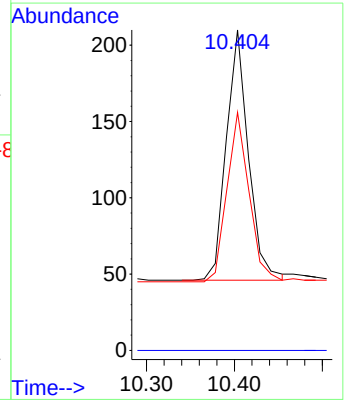
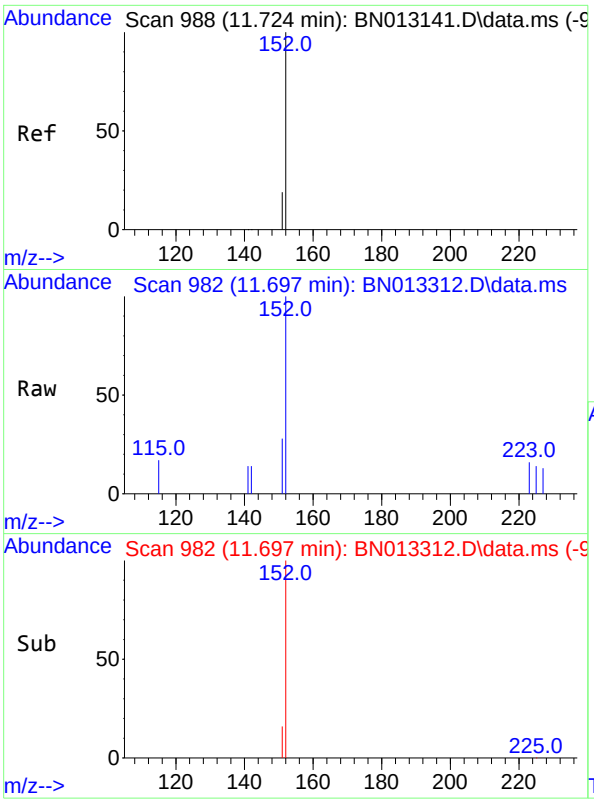


#10
Hexachlorobutadiene
Concen: 0.22 ng
RT: 10.404 min Scan# 852
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:225 Resp: 287

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	67.6	51.0	76.6

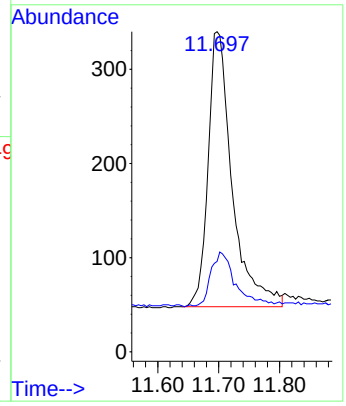




#11
2-Methylnaphthalene-d10
Concen: 0.23 ng
RT: 11.697 min Scan# 982
Delta R.T. -0.009 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:152 Resp: 803

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.7	25.1



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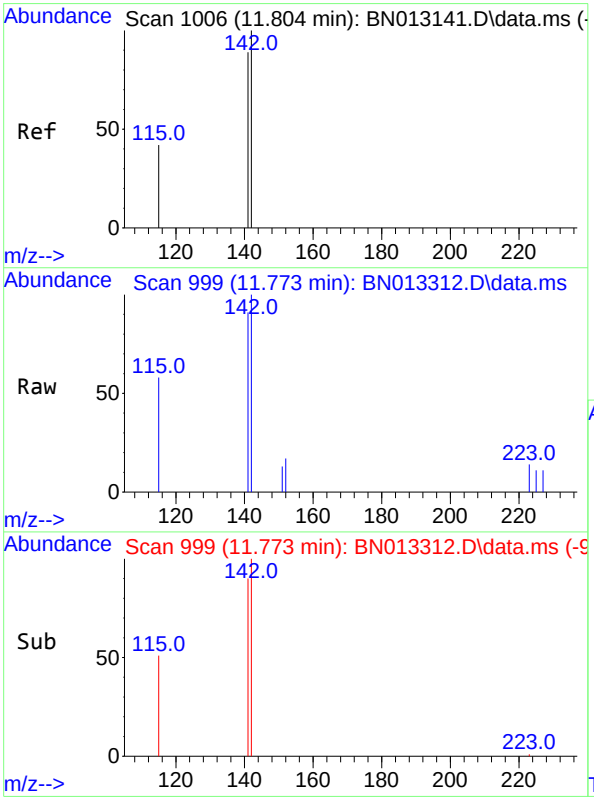
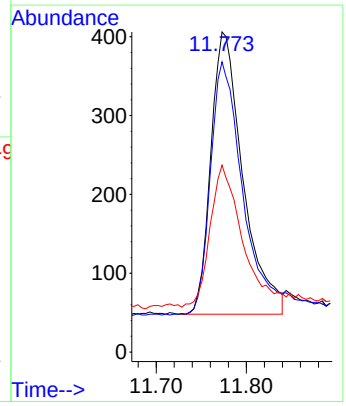
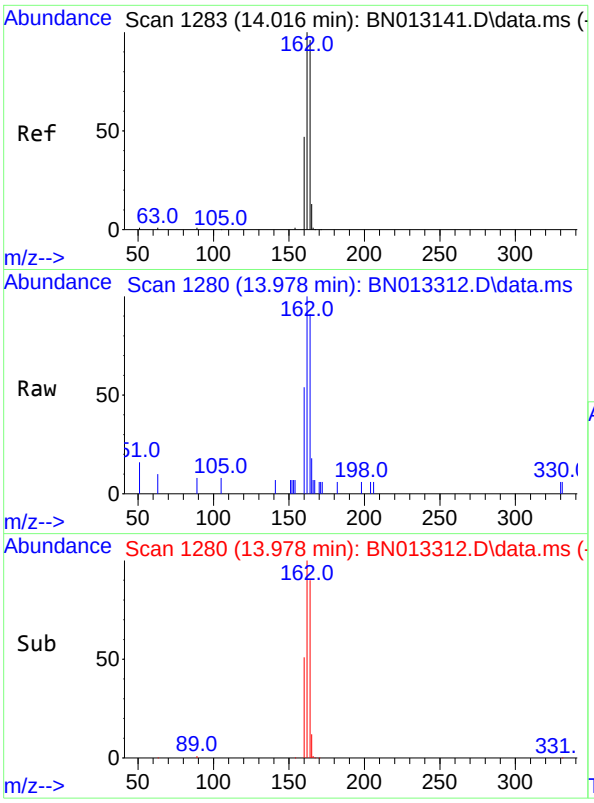


#12
2-Methylnaphthalene
Concen: 0.22 ng
RT: 11.773 min Scan# 999
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:142 Resp: 886

Ion	Ratio	Lower	Upper
142	100		
141	90.6	69.4	104.2
115	58.4	35.7	53.5#

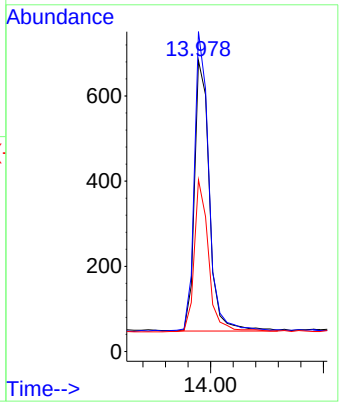




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 13.978 min Scan# 1280
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:164 Resp: 1172

Ion	Ratio	Lower	Upper
164	100		
162	110.0	80.6	120.8
160	59.0	39.5	59.3



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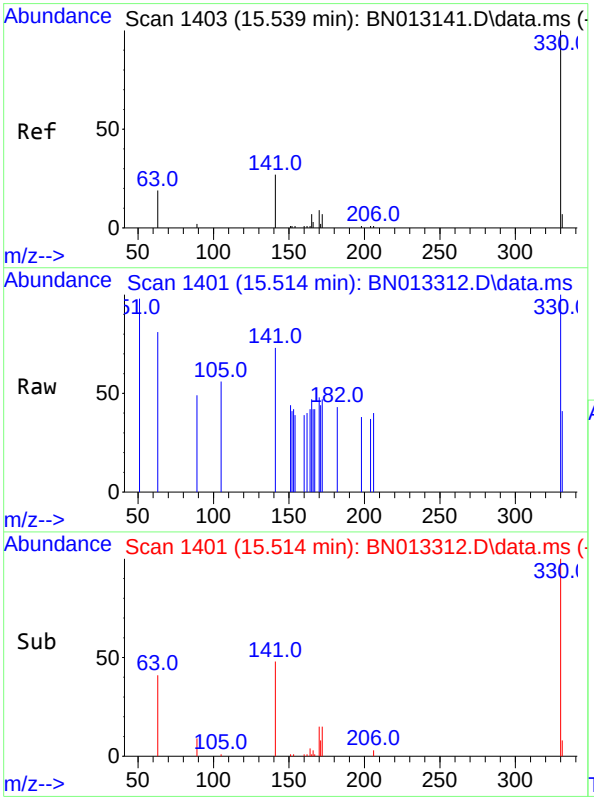
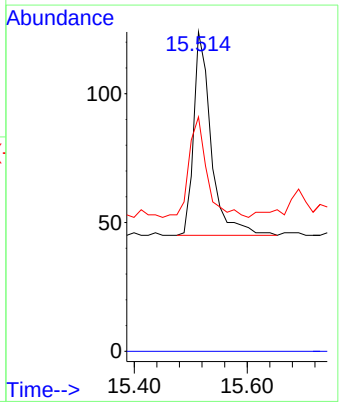
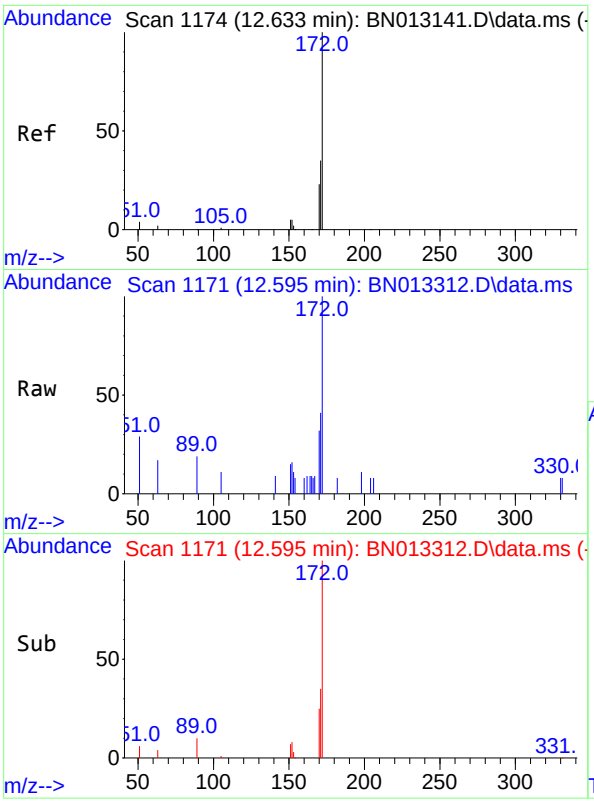


#14
2,4,6-Tribromophenol
Concen: 0.23 ng
RT: 15.514 min Scan# 1401
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:330 Resp: 171

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	50.3	34.4	51.6

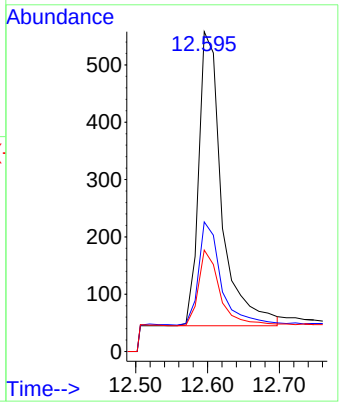




#15
2-Fluorobiphenyl
Concen: 0.23 ng
RT: 12.595 min Scan# 1171
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:172 Resp: 1152

Ion	Ratio	Lower	Upper
172	100		
171	40.5	28.2	42.4
170	31.7	20.0	30.0#



Instrument :
BNA_N
ClientSampleId :
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Manual Integrations APPROVED
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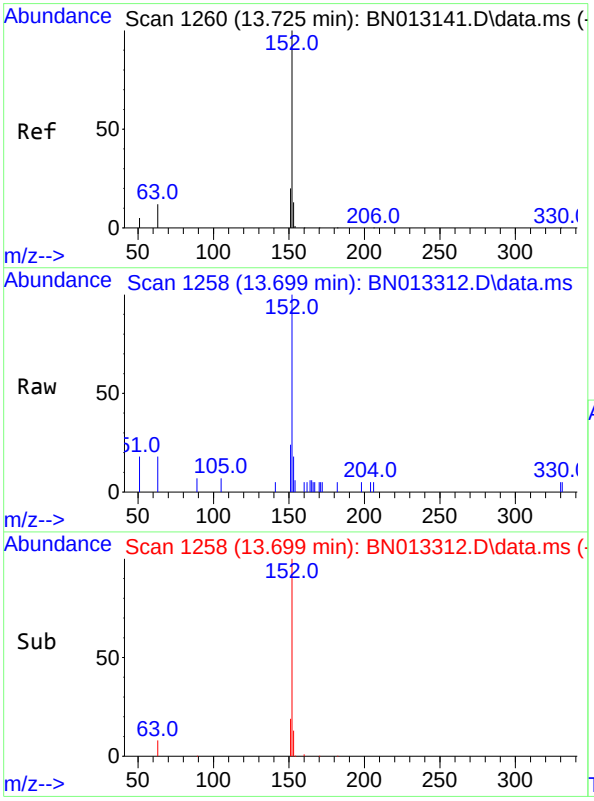
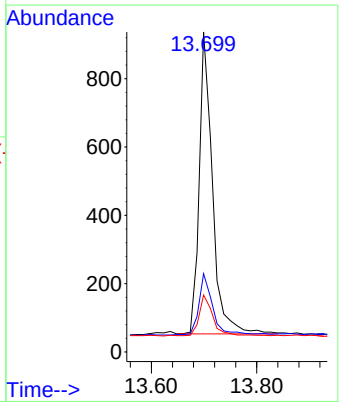
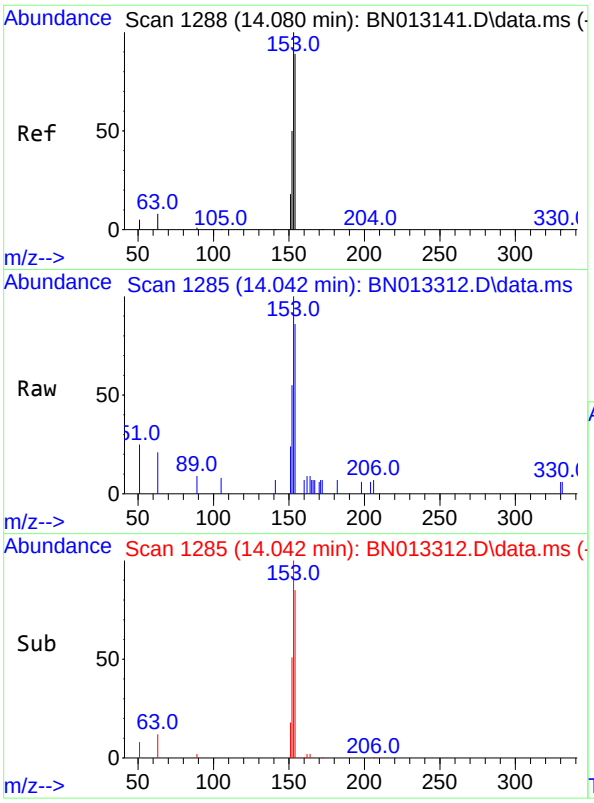


#16
Acenaphthylene
Concen: 0.25 ng
RT: 13.699 min Scan# 1258
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:152 Resp: 1543

Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.8	23.8
153	14.5	10.6	16.0

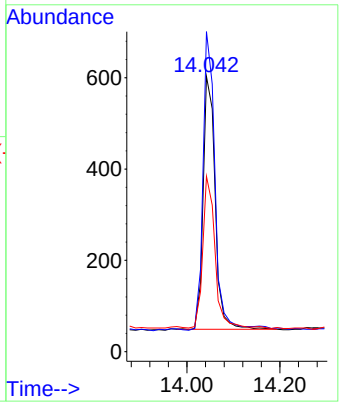




#17
Acenaphthene
Concen: 0.26 ng
RT: 14.042 min Scan# 1285
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:154 Resp: 1001

Ion	Ratio	Lower	Upper
154	100		
153	116.4	83.6	125.4
152	61.5	43.9	65.9



Instrument :
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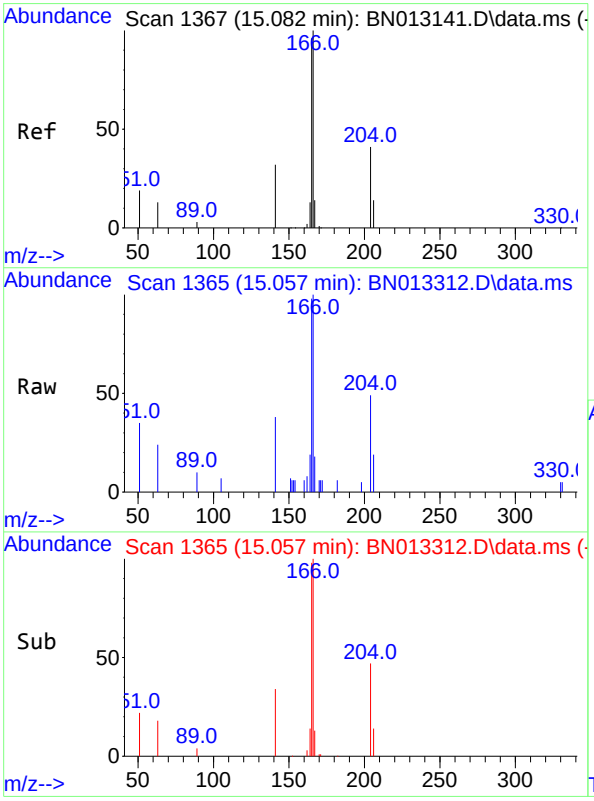
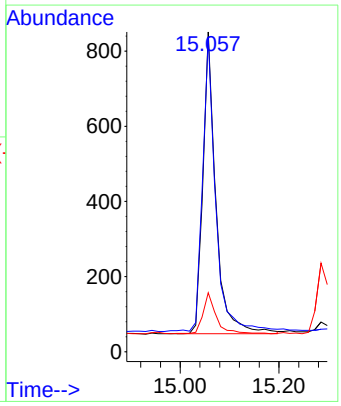
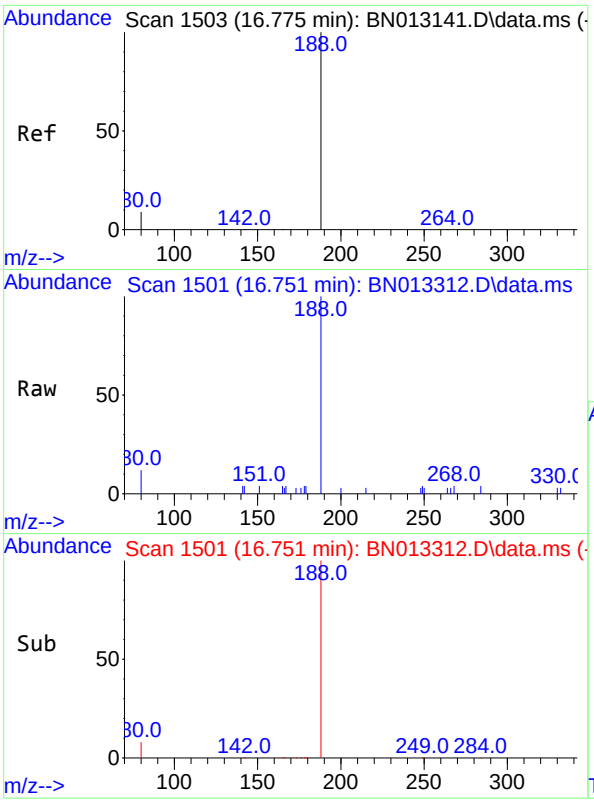


#18
Fluorene
Concen: 0.28 ng
RT: 15.057 min Scan# 1365
Delta R.T. -0.013 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:166 Resp: 1462

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.6	118.0
167	14.0	10.7	16.1

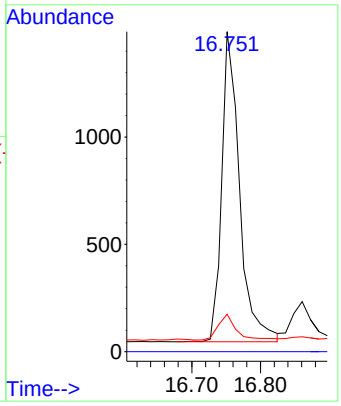




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.751 min Scan# 1501
Delta R.T. -0.012 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:188 Resp: 2603

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	5.0	7.4#



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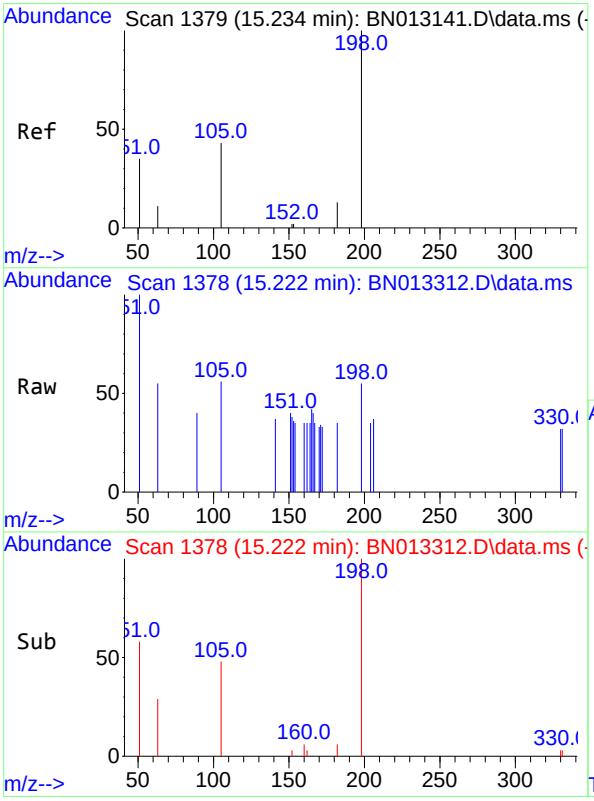
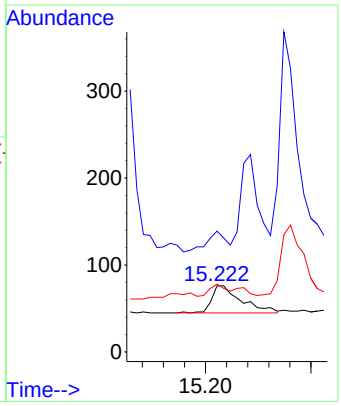
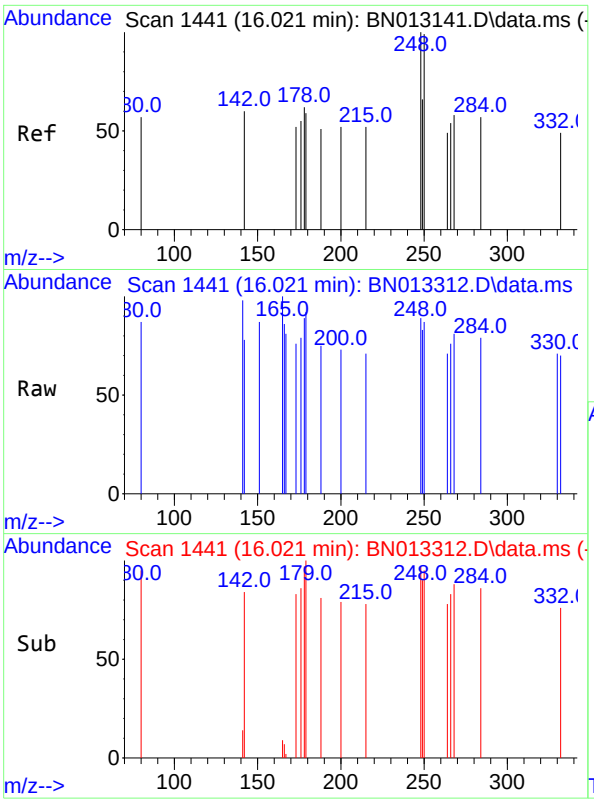


#20
4,6-Dinitro-2-methylphenol
Concen: 0.36 ng
RT: 15.222 min Scan# 1378
Delta R.T. 0.000 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:198 Resp: 121

Ion	Ratio	Lower	Upper
198	100		
51	182.9	43.5	65.3#
105	102.6	27.2	40.8#

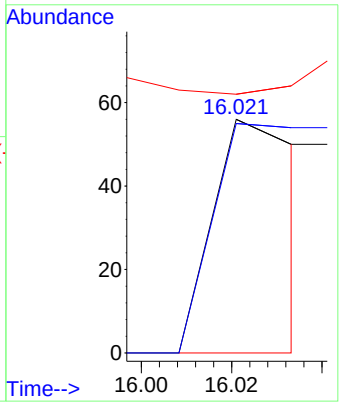




#21
4-Bromophenyl-phenylether
Concen: 0.16 ng m
RT: 16.021 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:248 Resp: 79

Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.3	115.9
141	110.7	57.8	86.8#



Instrument :
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ClientSampleId :
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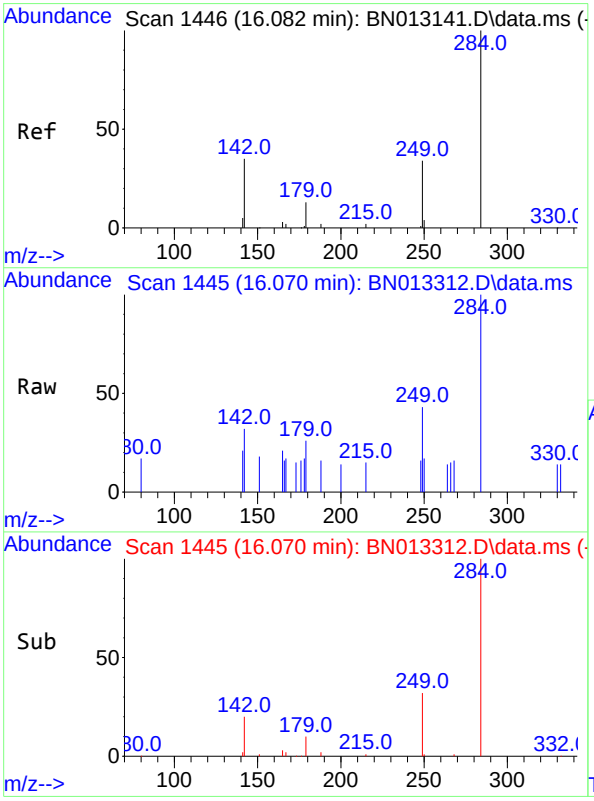
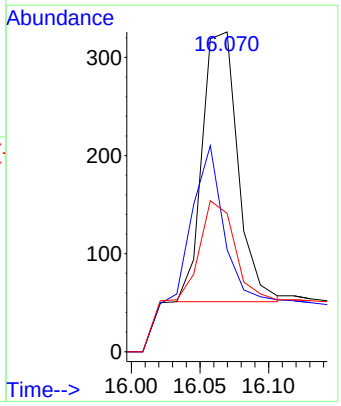
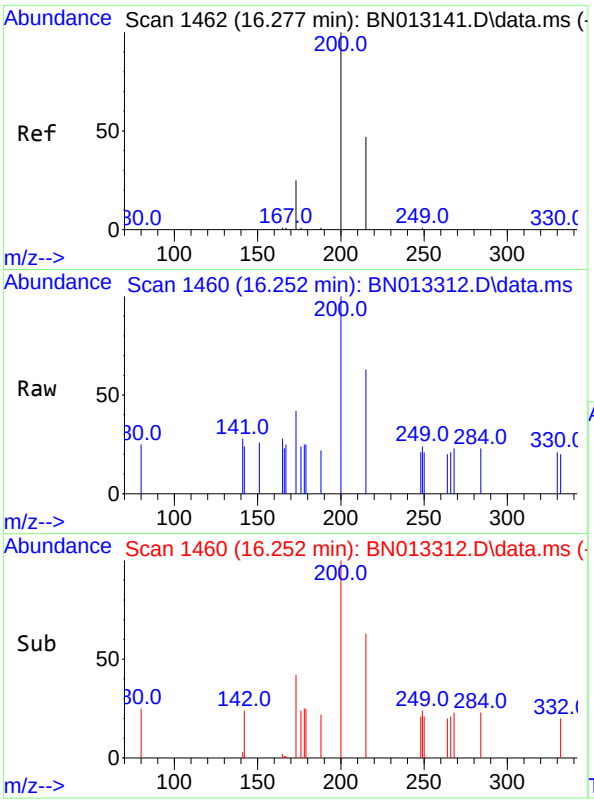


#22
Hexachlorobenzene
Concen: 0.28 ng
RT: 16.070 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:284 Resp: 497

Ion	Ratio	Lower	Upper
284	100		
142	46.7	32.0	48.0
249	35.2	27.0	40.6

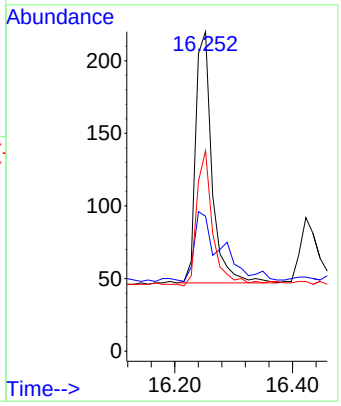


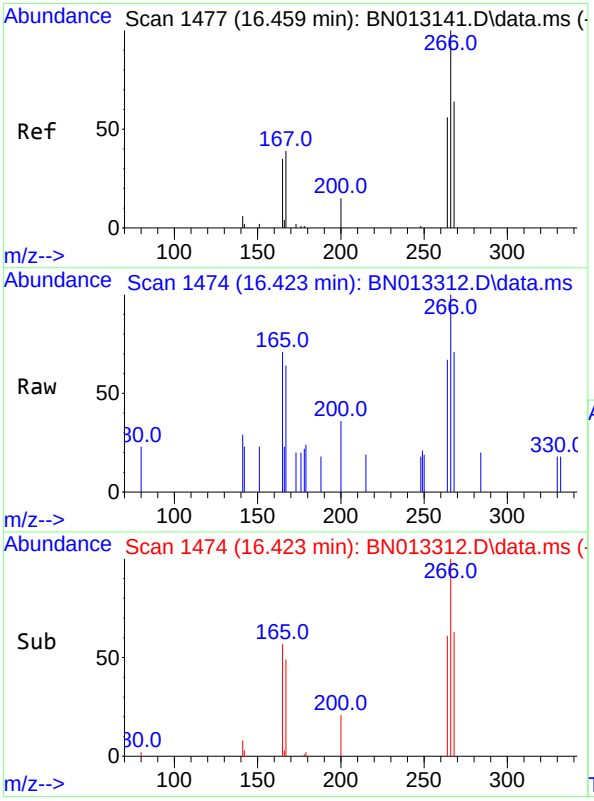


#23
Atrazine
Concen: 0.21 ng
RT: 16.252 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:200 Resp: 333

Ion	Ratio	Lower	Upper
200	100		
173	42.3	22.8	34.2#
215	62.7	38.1	57.1#

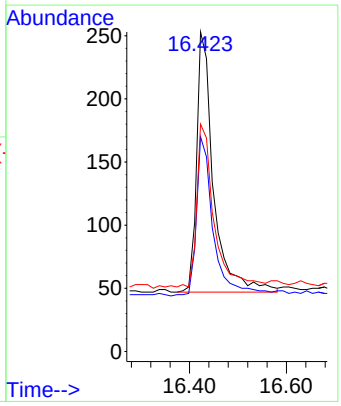




#24
Pentachlorophenol
Concen: 0.66 ng
RT: 16.423 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:266 Resp: 498

Ion	Ratio	Lower	Upper
266	100		
264	61.6	50.9	76.3
268	63.7	51.5	77.3



Instrument :
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ClientSampleId :
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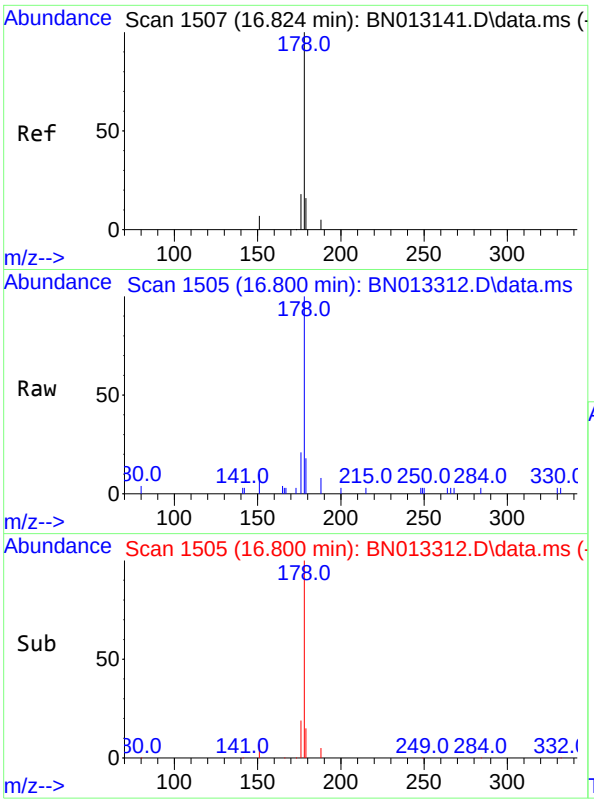
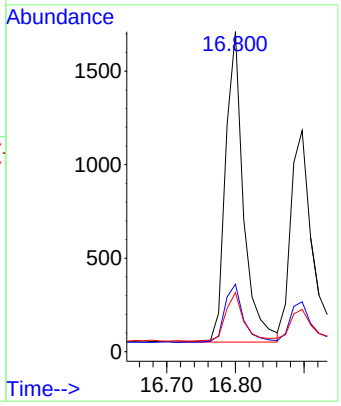


#25
Phenanthrene
Concen: 0.36 ng
RT: 16.800 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:178 Resp: 3013

Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.8	22.2
179	15.6	12.4	18.6



Instrument :
BNA_N
ClientSampleId :
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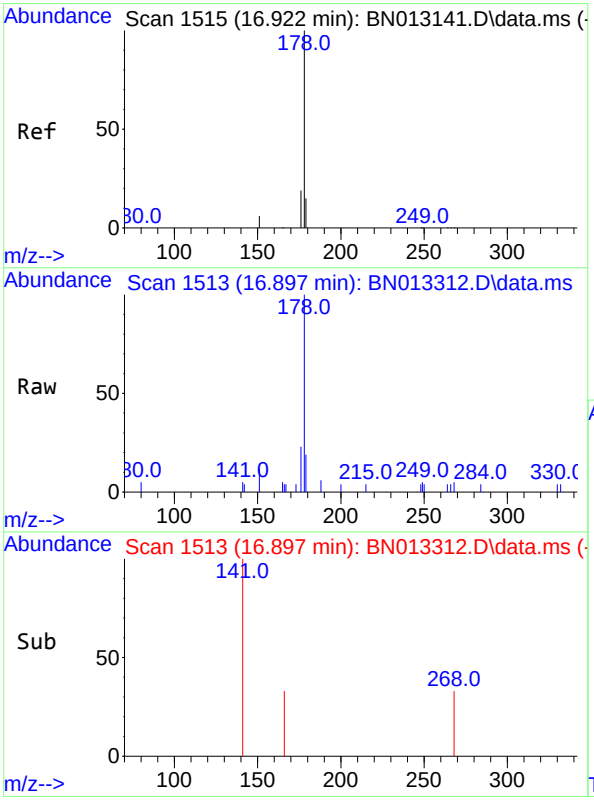
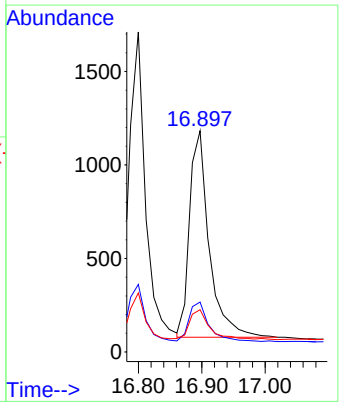
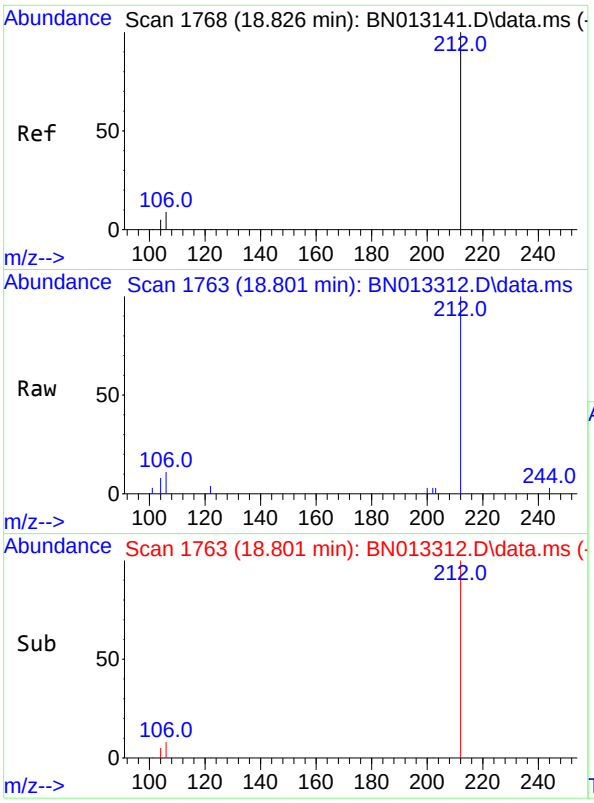


#26
Anthracene
Concen: 0.32 ng
RT: 16.897 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:178 Resp: 2384

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.8	22.2
179	15.4	12.5	18.7

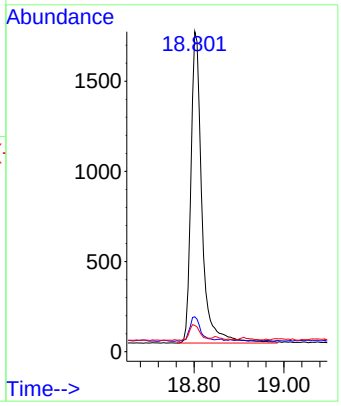




#27
Fluoranthene-d10
Concen: 0.34 ng
RT: 18.801 min Scan# 1763
Delta R.T. -0.015 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:212 Resp: 2948

Ion	Ratio	Lower	Upper
212	100		
106	7.8	6.8	10.2
104	4.9	4.1	6.1



Instrument :
BNA_N
ClientSampleId :
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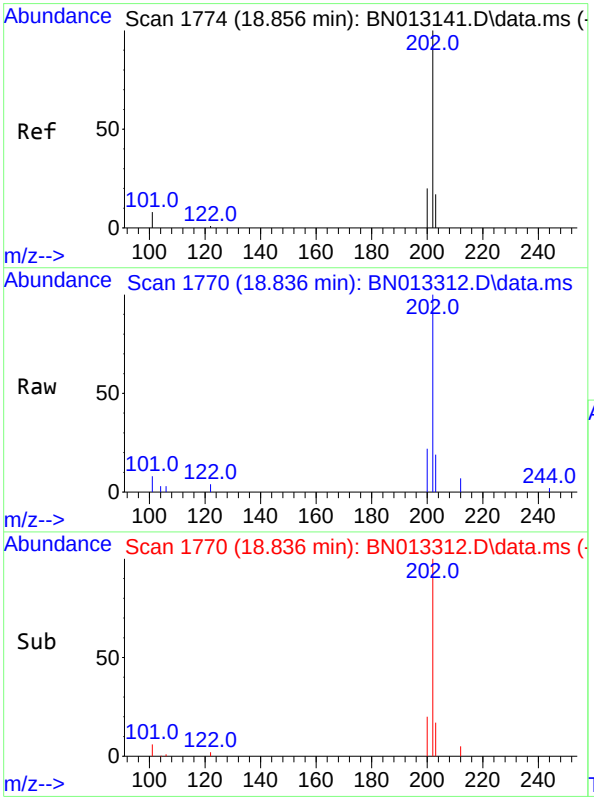
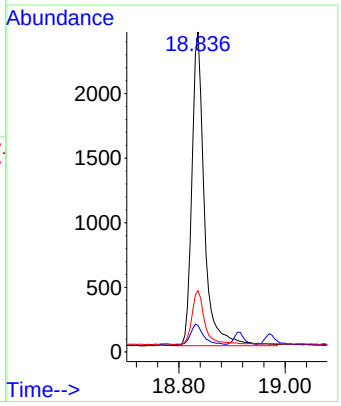
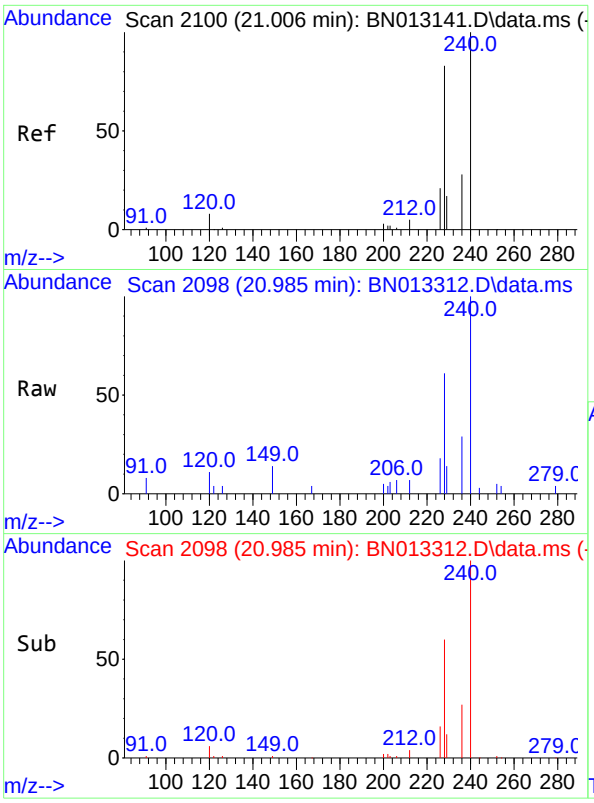


#28
Fluoranthene
Concen: 0.38 ng
RT: 18.836 min Scan# 1770
Delta R.T. -0.010 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:202 Resp: 3944

Ion	Ratio	Lower	Upper
202	100		
101	7.1	5.8	8.6
203	17.5	13.7	20.5

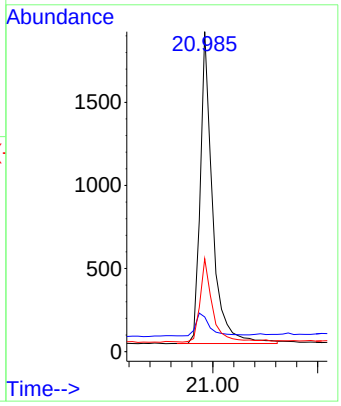




#29
Chrysene-d12
Concen: 0.40 ng
RT: 20.985 min Scan# 2098
Delta R.T. -0.011 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:240 Resp: 3048

Ion	Ratio	Lower	Upper
240	100		
120	10.9	5.3	7.9#
236	29.0	21.8	32.8



Instrument :
BNA_N
ClientSampleId :
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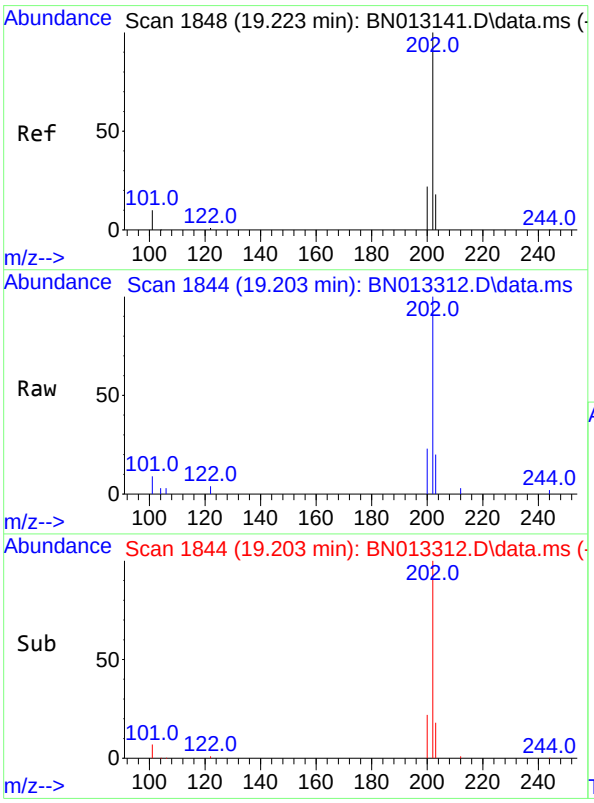
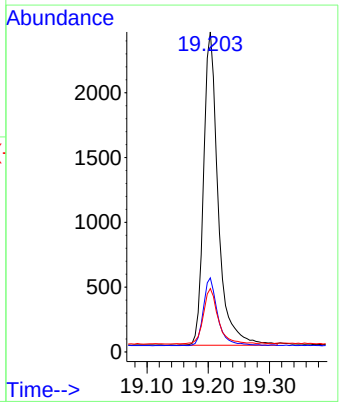
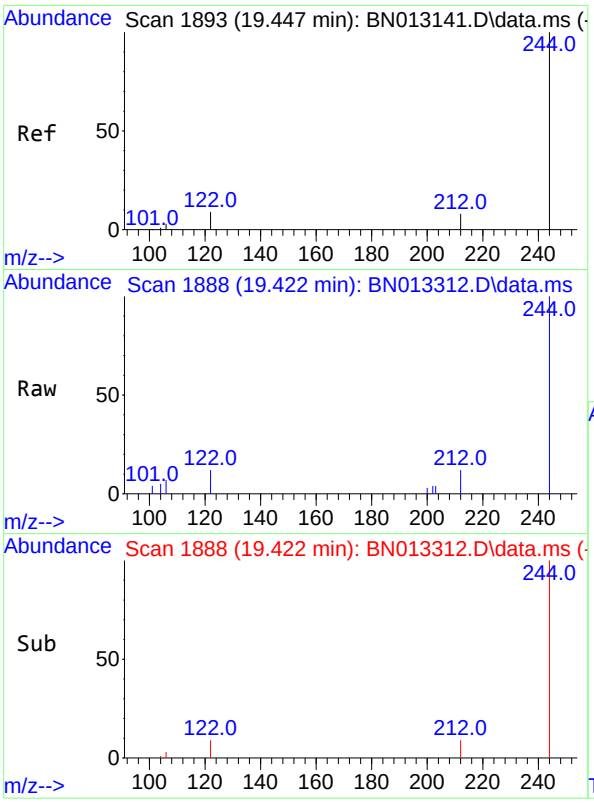


#30
Pyrene
Concen: 0.34 ng
RT: 19.203 min Scan# 1844
Delta R.T. -0.010 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:202 Resp: 3994

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	18.0	13.8	20.8

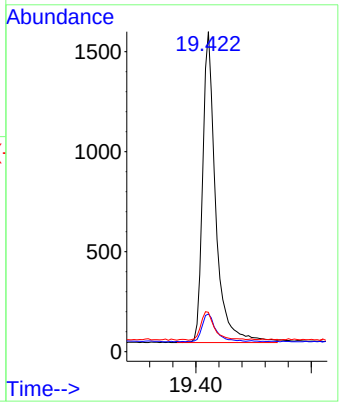




#31
Terphenyl-d14
Concen: 0.31 ng
RT: 19.422 min Scan# 1888
Delta R.T. -0.010 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:244 Resp: 2426

Ion	Ratio	Lower	Upper
244	100		
212	11.8	7.3	10.9#
122	12.3	7.3	10.9#



Instrument :
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ClientSampleId :
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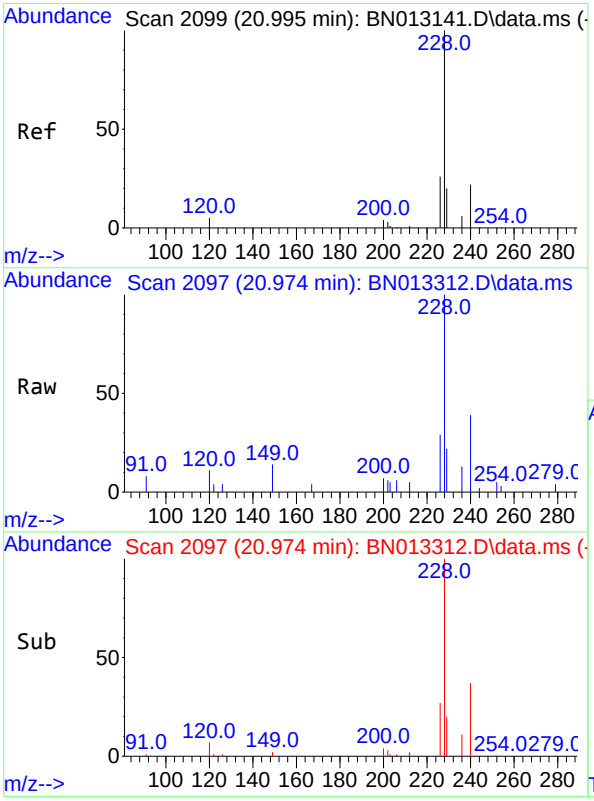
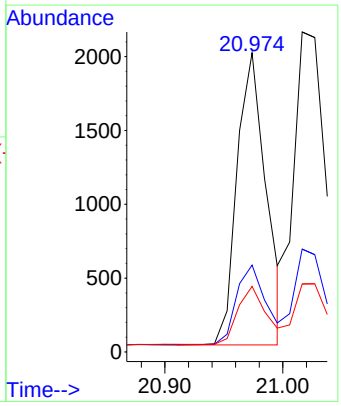
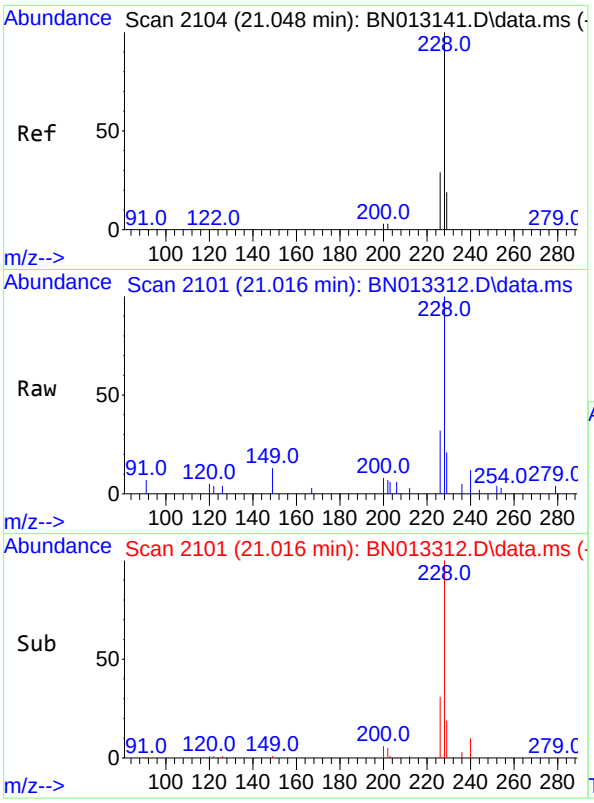


#32
Benzo(a)anthracene
Concen: 0.32 ng
RT: 20.974 min Scan# 2097
Delta R.T. -0.011 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:228 Resp: 3398

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	21.9	15.7	23.5

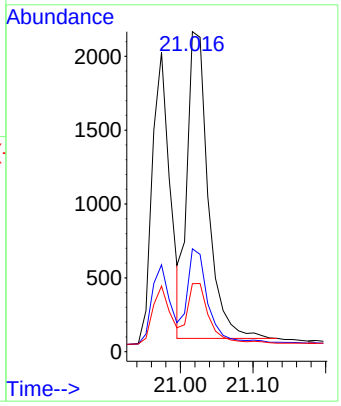




#33
Chrysene
Concen: 0.37 ng
RT: 21.016 min Scan# 2101
Delta R.T. -0.021 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:228 Resp: 4185

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.2	36.2
229	21.2	15.7	23.5



Instrument :
BNA_N
ClientSampleId :
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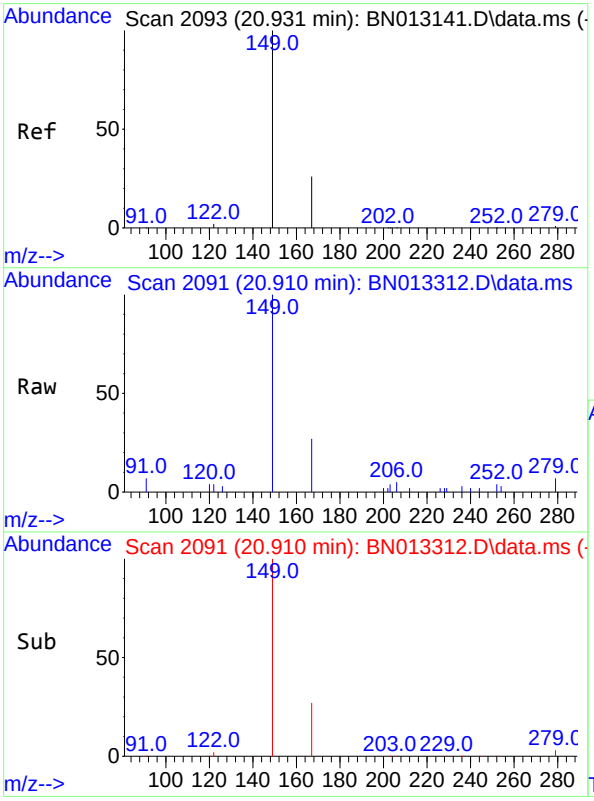
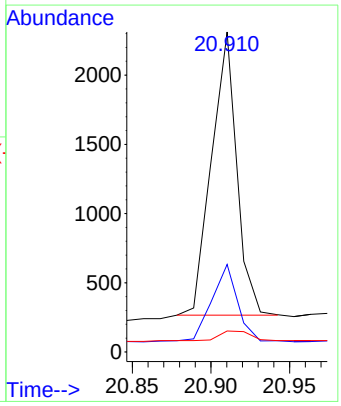
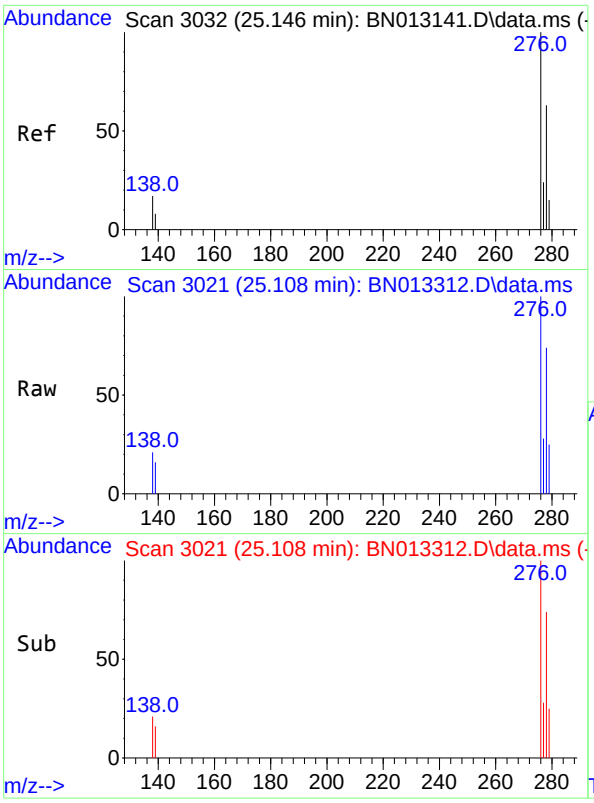


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.15 ng
RT: 20.910 min Scan# 2091
Delta R.T. -0.011 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:149 Resp: 2284

Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.2	34.8
279	4.1	3.9	5.9

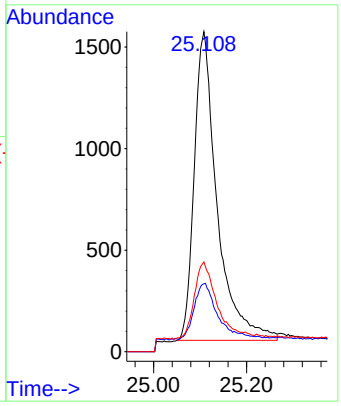




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.33 ng
RT: 25.108 min Scan# 3021
Delta R.T. -0.014 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:276 Resp: 5200

Ion	Ratio	Lower	Upper
276	100		
138	16.7	13.3	19.9
277	22.7	20.2	30.4



Instrument :
BNA_N
ClientSampleId :
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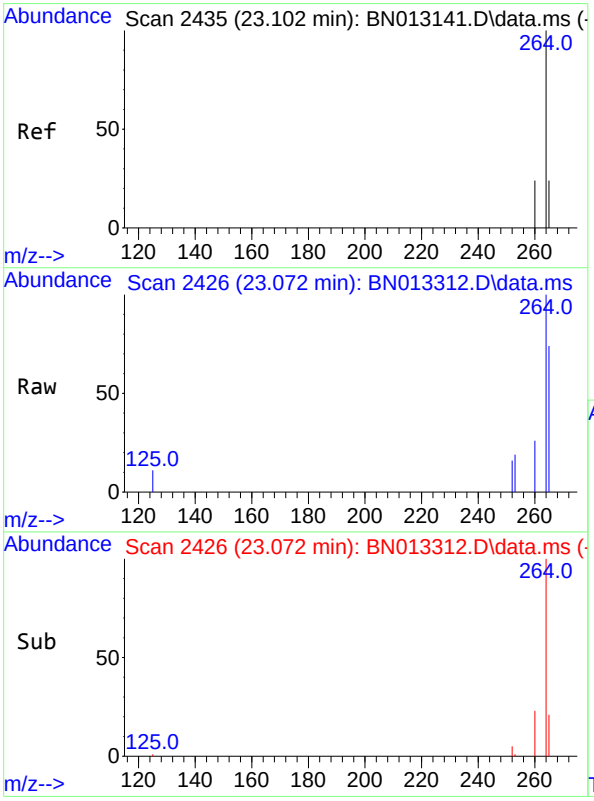
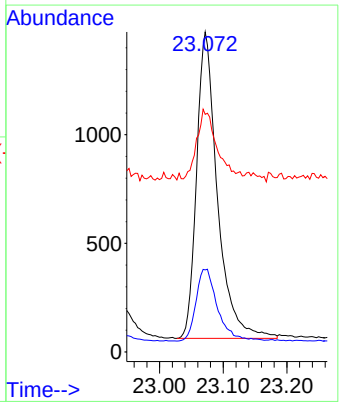
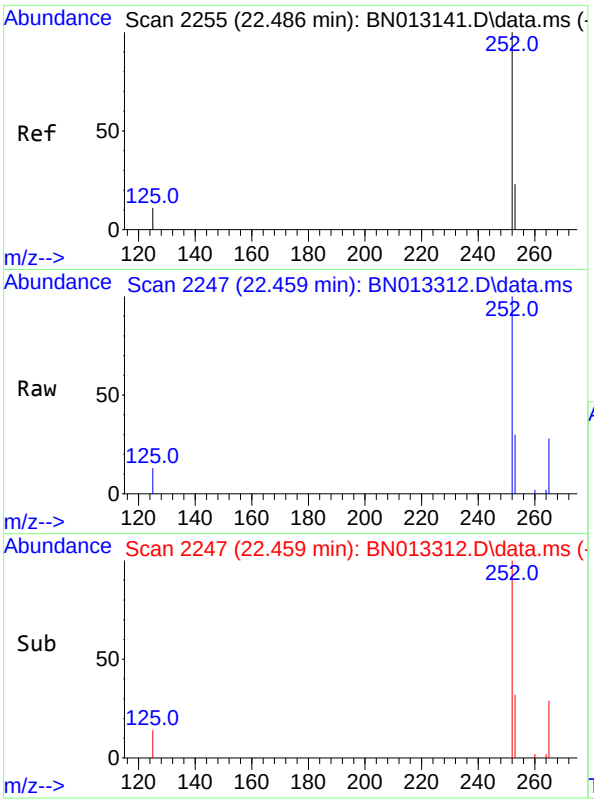


#36
Perylene-d12
Concen: 0.40 ng
RT: 23.072 min Scan# 2426
Delta R.T. -0.014 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:264 Resp: 3195

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.8	29.6
265	74.3	51.4	77.0

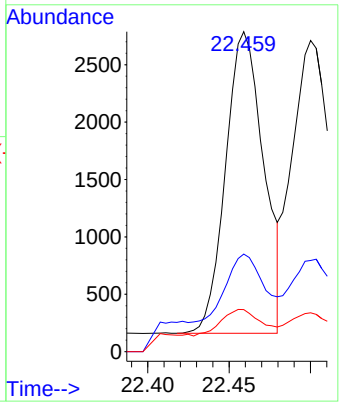




#37
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 22.459 min Scan# 2247
Delta R.T. -0.014 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:252 Resp: 4282

Ion	Ratio	Lower	Upper
252	100		
253	30.5	20.1	30.1#
125	13.1	7.2	10.8#



Instrument :
BNA_N
ClientSampleId :
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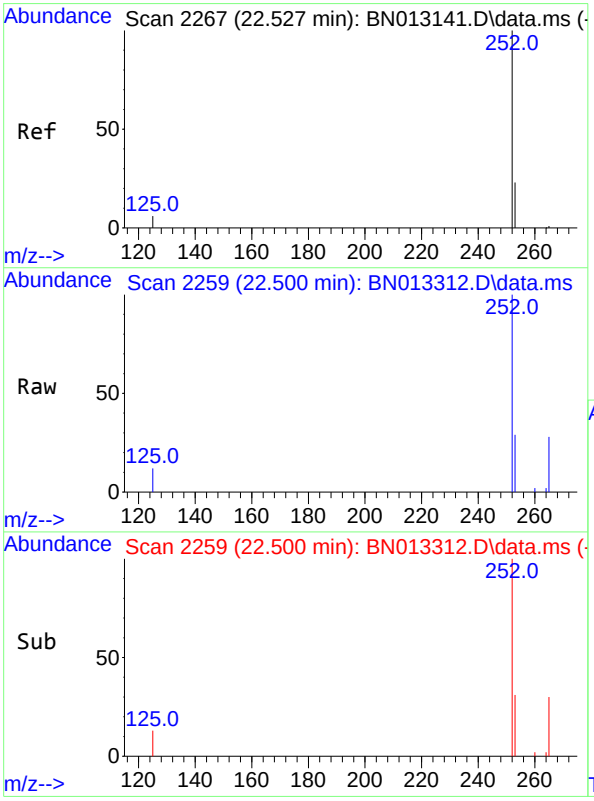
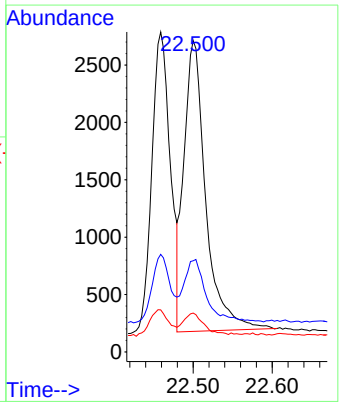
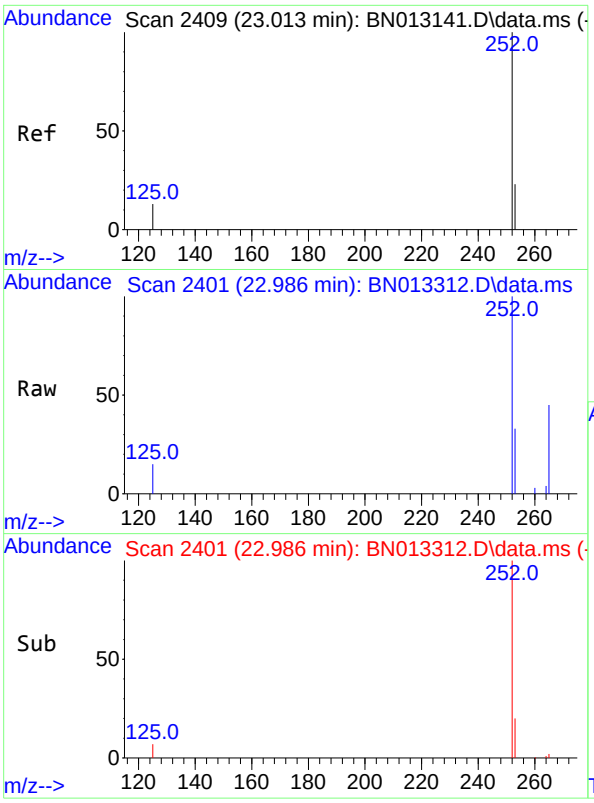


#38
Benzo(k)fluoranthene
Concen: 0.38 ng
RT: 22.500 min Scan# 2259
Delta R.T. -0.014 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:252 Resp: 4840

Ion	Ratio	Lower	Upper
252	100		
253	29.3	19.8	29.8
125	12.5	7.1	10.7#

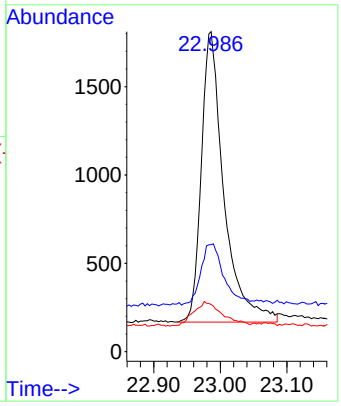




#39
Benzo(a)pyrene
Concen: 0.34 ng
RT: 22.986 min Scan# 2401
Delta R.T. -0.014 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:252 Resp: 3860

Ion	Ratio	Lower	Upper
252	100		
253	33.5	21.3	31.9#
125	14.7	8.3	12.5#



Instrument :
BNA_N
ClientSampleId :
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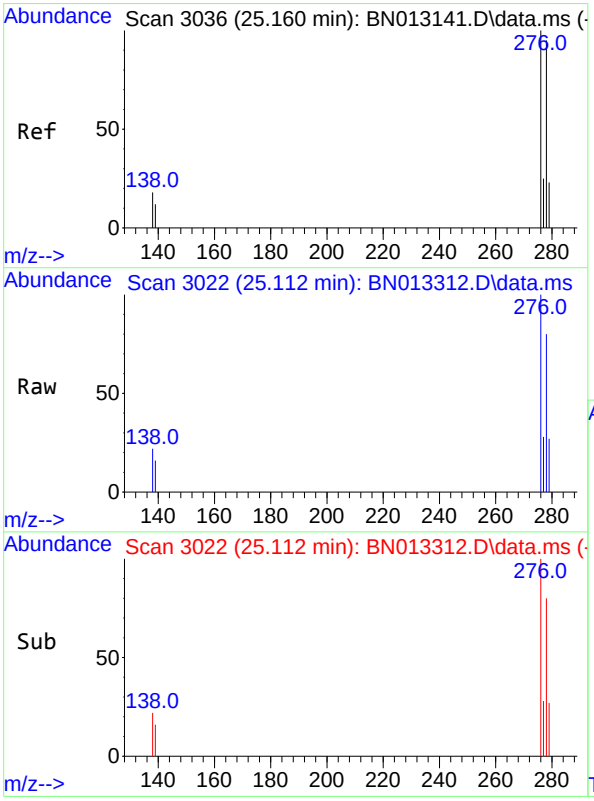
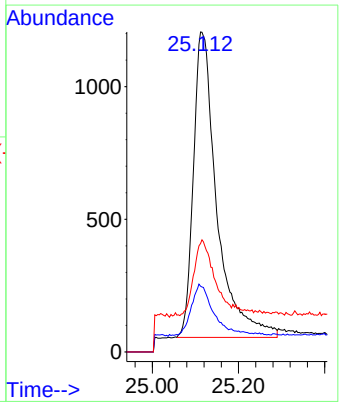
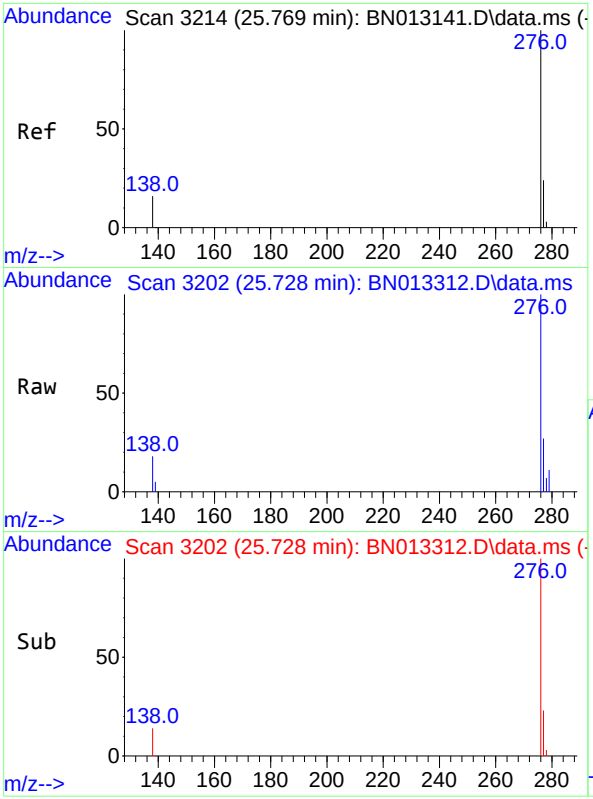


#40
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 25.112 min Scan# 3022
Delta R.T. -0.020 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:278 Resp: 4354

Ion	Ratio	Lower	Upper
278	100		
139	20.6	9.3	13.9#
279	33.9	21.6	32.4#

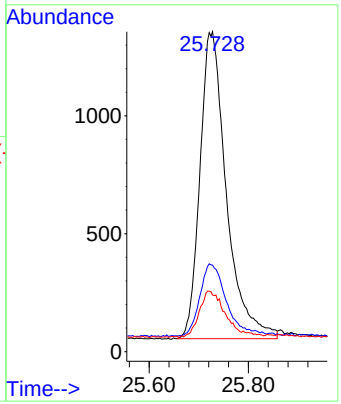




#41
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 25.728 min Scan# 3202
Delta R.T. -0.014 min
Lab File: BN013312.D
Acq: 24 Dec 2020 04:16

Tgt Ion:276 Resp: 4815

Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.8	29.8
138	17.7	11.7	17.5#



Instrument :
BNA_N
ClientSampleId :
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