Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122220\
Data File : BN013268.D
Acq On : 22 Dec 2020 12:11
Operator : CG/JU
Sample : L5124-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : RE139D1-20201214

Quant Time: Dec 22 13:13:58 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	7.338	152	747	0.40	ng	0.00
7) Naphthalene-d8	10.112	136	2393	0.40	ng	# 0.01
13) Acenaphthene-d10	13.991	164	1427	0.40	ng	0.00
19) Phenanthrene-d10	16.763	188	3366	0.40	ng	# 0.00
29) Chrysene-d12	20.995	240	3776	0.40	ng	# 0.00
36) Perylene-d12	23.082	264	4325	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.962	112	313	0.10	ng	0.00
5) Phenol-d6	6.556	99	153	0.05	ng	0.02
8) Nitrobenzene-d5	8.540	82	601	0.24	ng	0.04
11) 2-Methylnaphthalene-d10	11.719	152	1009	0.24	ng	0.01
14) 2,4,6-Tribromophenol	15.526	330	231	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.620	172	1547	0.26	ng	0.01
27) Fluoranthene-d10	18.811	212	4049	0.37	ng	0.00
31) Terphenyl-d14	19.426	244	3557	0.37	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.924	88	1529	1.17	ng	# 91
32) Benzo(a)anthracene	20.984	228	399	0.03	ng	# 68
33) Chrysene	21.037	228	449	0.03	ng	# 73
37) Benzo(b)fluoranthene	22.476	252	505	0.03	ng	# 1
38) Benzo(k)fluoranthene	22.517	252	471	0.03	ng	# 1
39) Benzo(a)pyrene	22.999	252	456	0.03	ng	# 1
40) Dibenzo(a,h)anthracene	25.149	278	342	0.02	ng	# 1
41) Benzo(g,h,i)perylene	25.758	276	510	0.03	ng	# 33

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

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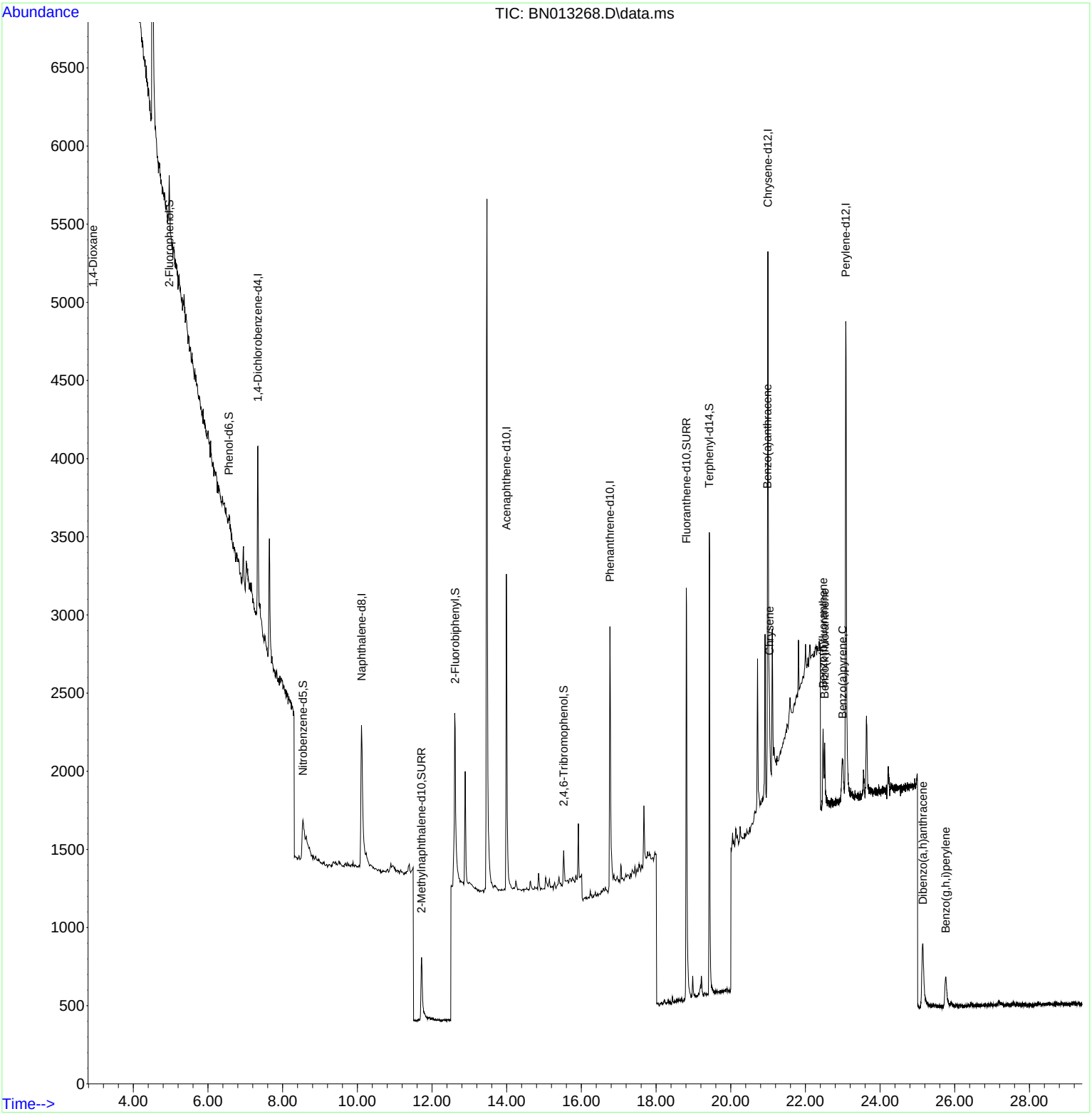

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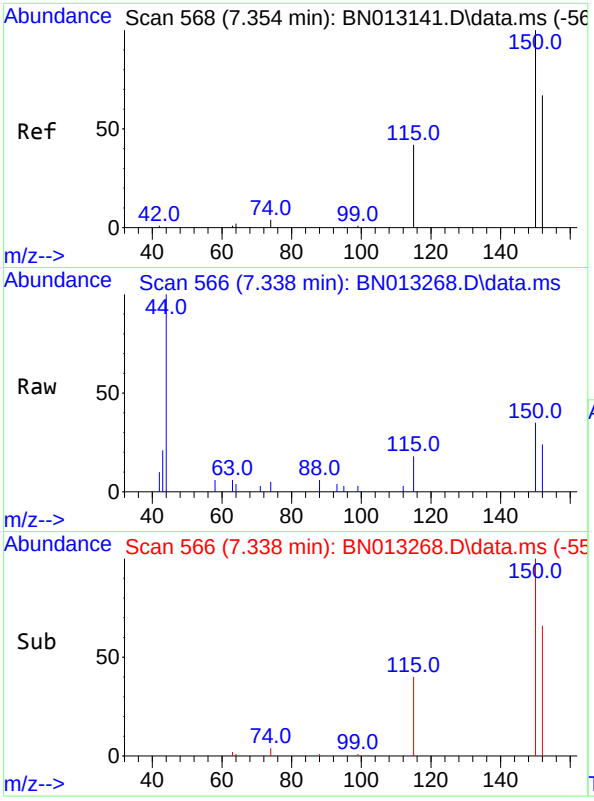
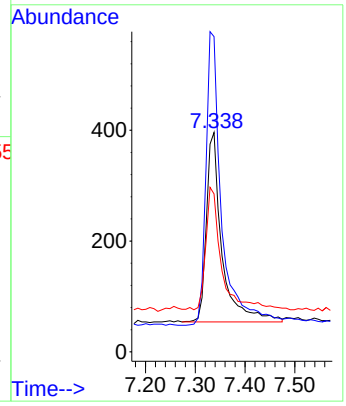
ClientSampleId :
RE139D1-20201214

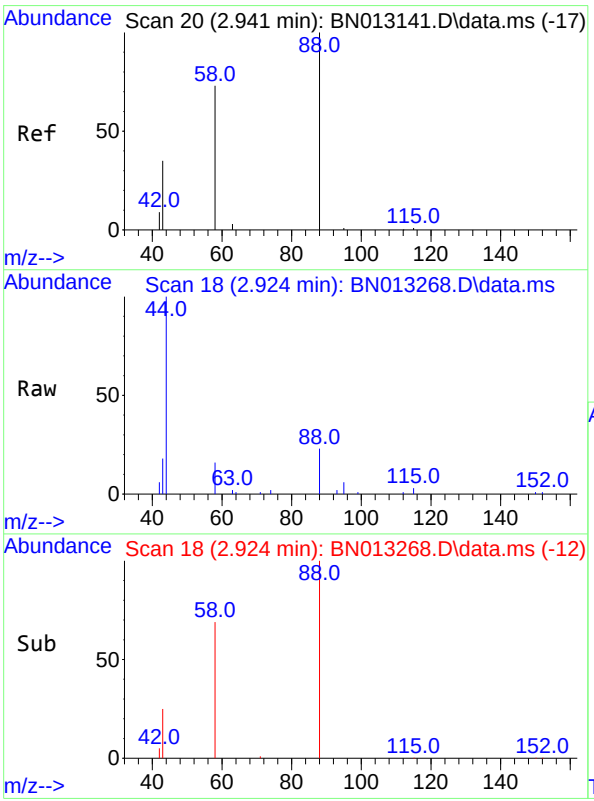


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.338 min Scan# 566
Delta R.T. 0.008 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:152 Resp: 747

Ion	Ratio	Lower	Upper
152	100		
150	143.7	116.6	174.8
115	72.0	52.9	79.3

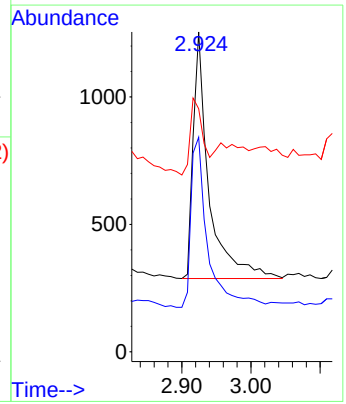




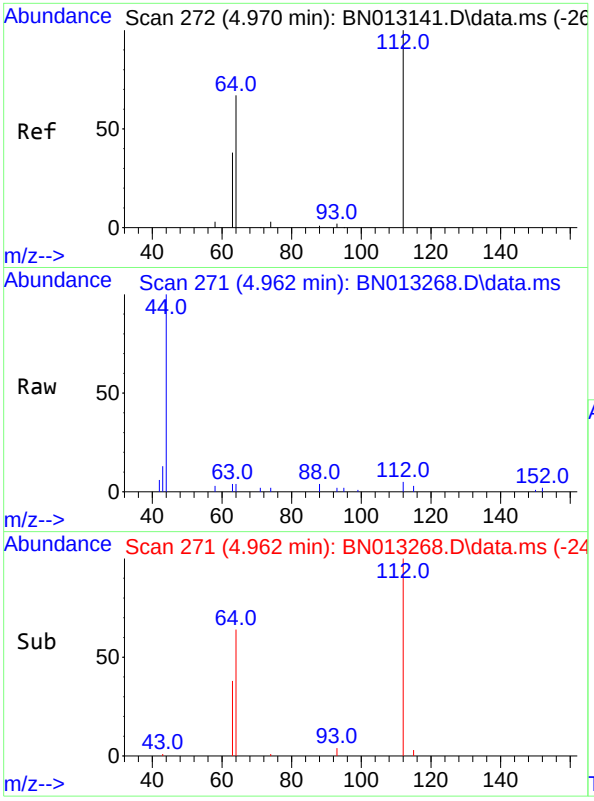
#2
1,4-Dioxane
Concen: 1.17 ng
RT: 2.924 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion: 88 Resp: 1529

Ion	Ratio	Lower	Upper
88	100		
58	73.4	59.4	89.2
43	25.1	32.3	48.5#



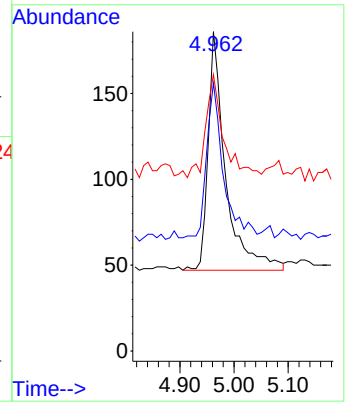
Instrument :
BNA_N
ClientSampleId :
RE139D1-20201214

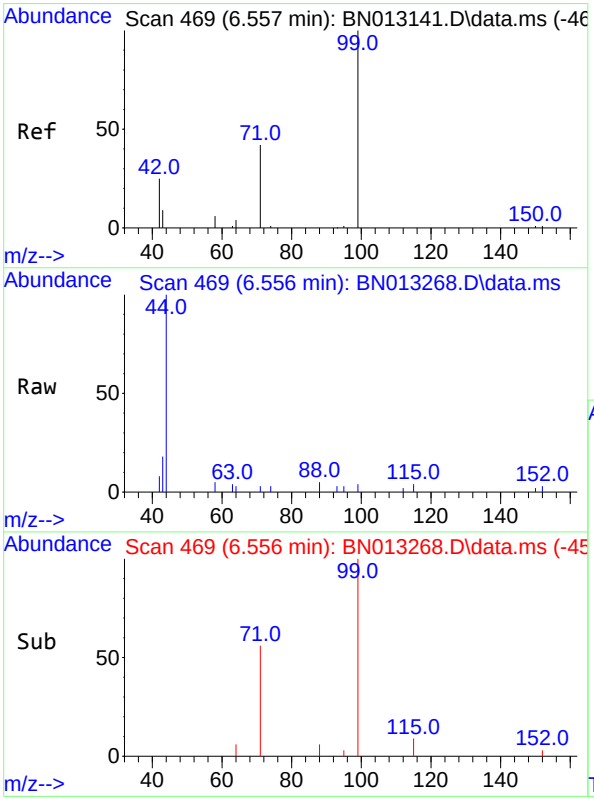


#4
2-Fluorophenol
Concen: 0.10 ng
RT: 4.962 min Scan# 271
Delta R.T. 0.008 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:112 Resp: 313

Ion	Ratio	Lower	Upper
112	100		
64	65.2	49.5	74.3
63	45.7	32.0	48.0

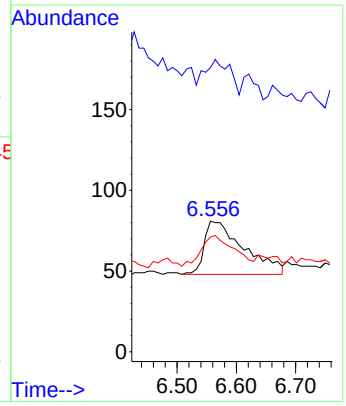




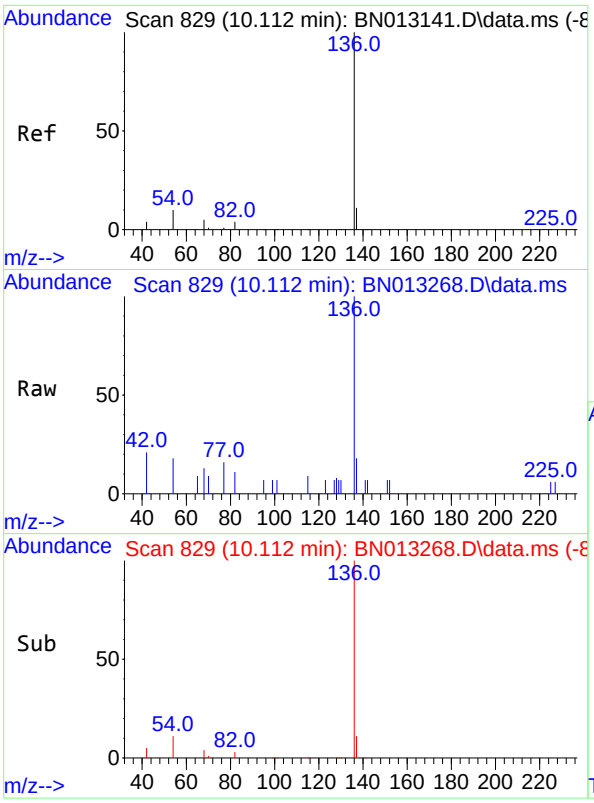
#5
Phenol-d6
Concen: 0.05 ng
RT: 6.556 min Scan# 469
Delta R.T. 0.016 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion: 99 Resp: 153

Ion	Ratio	Lower	Upper
99	100		
42	41.2	22.4	33.6#
71	47.1	37.8	56.6



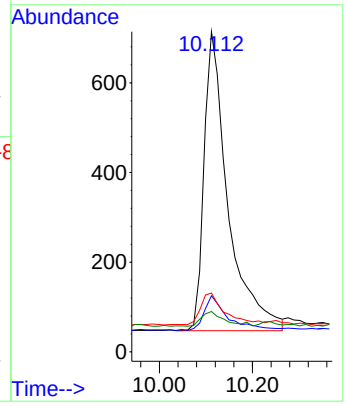
Instrument :
BNA_N
ClientSampleId :
RE139D1-20201214

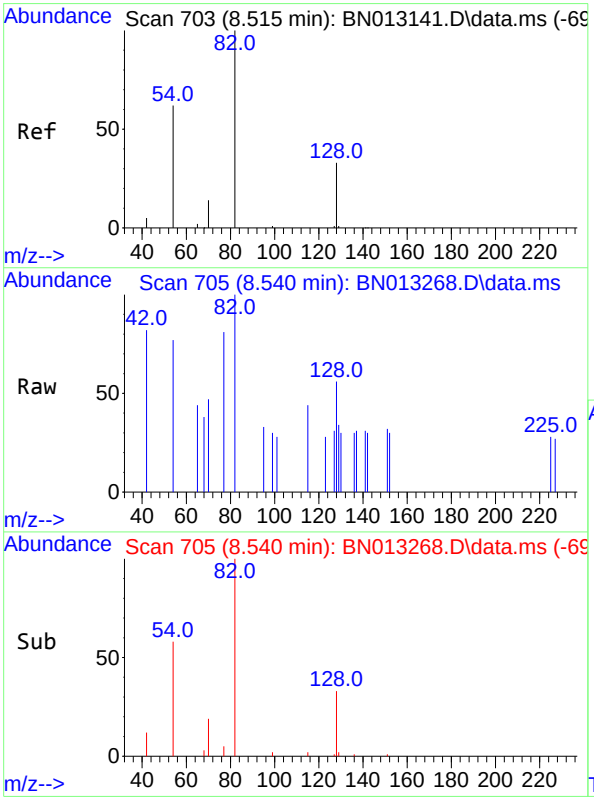


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.112 min Scan# 829
Delta R.T. 0.012 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:136 Resp: 2393

Ion	Ratio	Lower	Upper
136	100		
137	17.5	10.6	15.8#
54	18.3	8.6	12.8#
68	12.6	5.7	8.5#

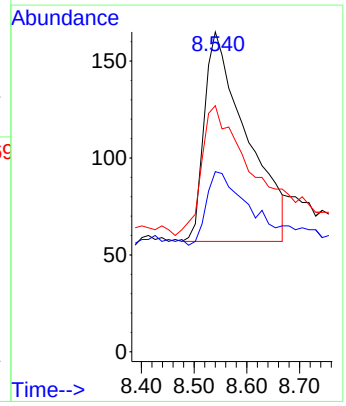




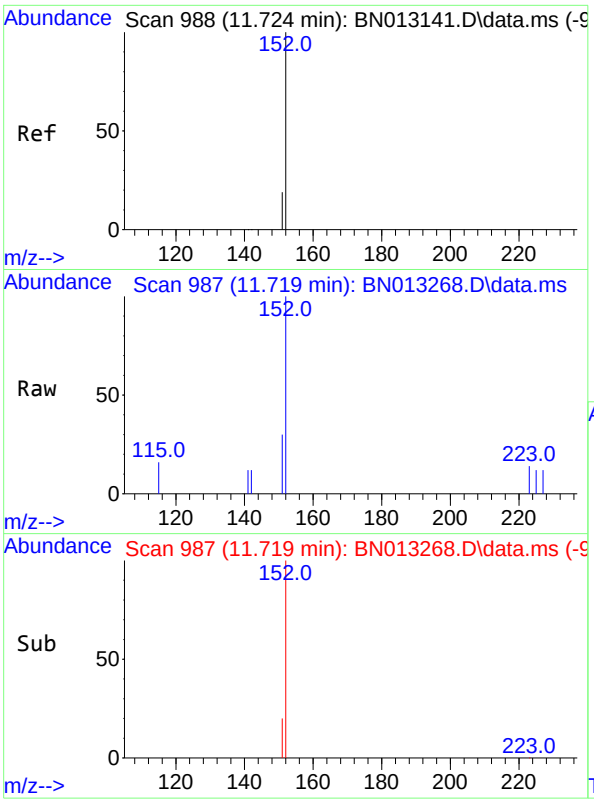
#8
Nitrobenzene-d5
Concen: 0.24 ng
RT: 8.540 min Scan# 705
Delta R.T. 0.038 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion: 82 Resp: 601

Ion	Ratio	Lower	Upper
82	100		
128	56.4	30.6	46.0#
54	77.0	48.3	72.5#



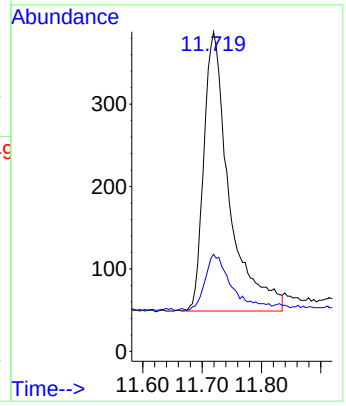
Instrument :
BNA_N
ClientSampleId :
RE139D1-20201214

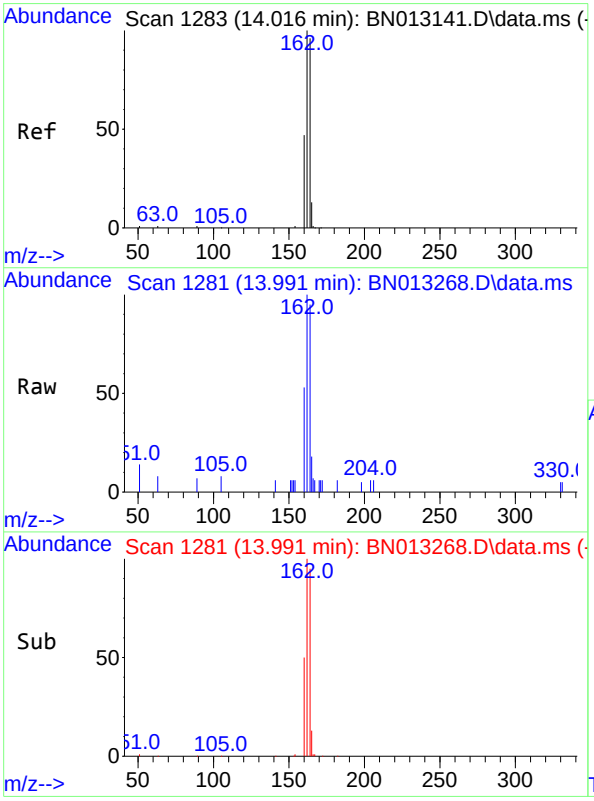


#11
2-Methylnaphthalene-d10
Concen: 0.24 ng
RT: 11.719 min Scan# 987
Delta R.T. 0.013 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:152 Resp: 1009

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.7	25.1

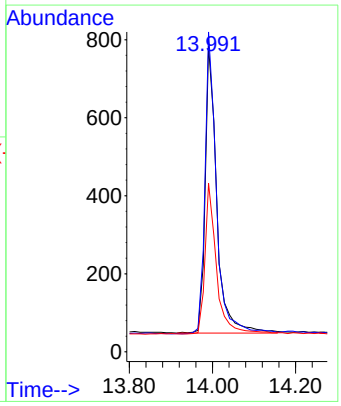




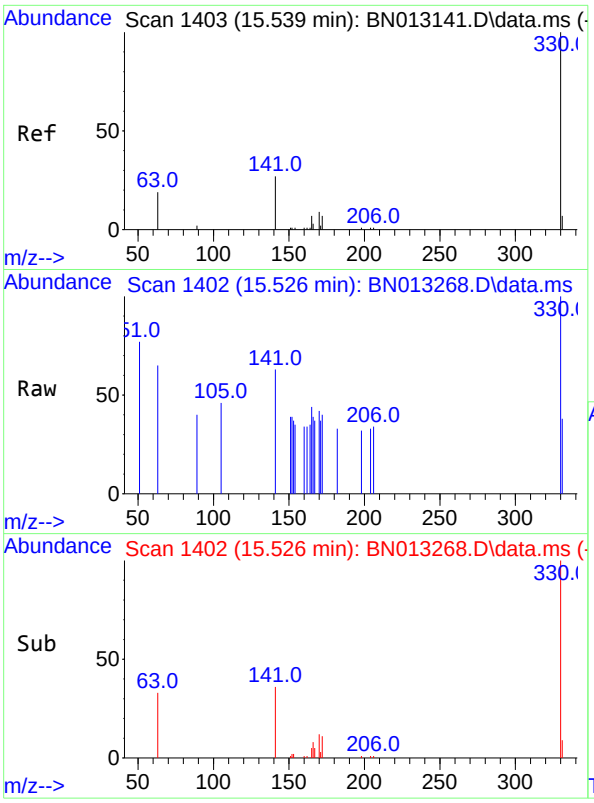
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 13.991 min Scan# 1281
Delta R.T. -0.000 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:164 Resp: 1427

Ion	Ratio	Lower	Upper
164	100		
162	104.7	80.6	120.8
160	55.2	39.5	59.3



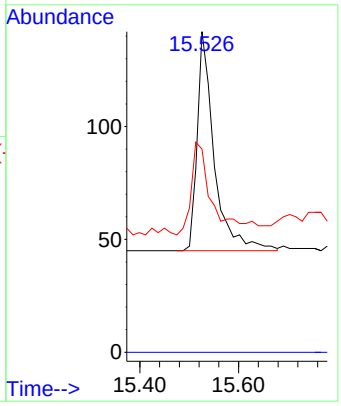
Instrument :
BNA_N
ClientSampleId :
RE139D1-20201214

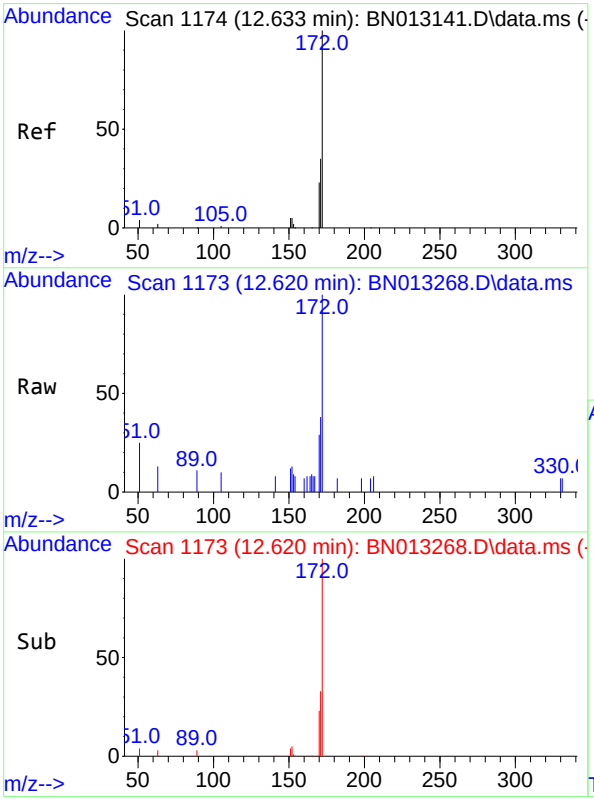


#14
2,4,6-Tribromophenol
Concen: 0.26 ng
RT: 15.526 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:330 Resp: 231

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	55.4	34.4	51.6#

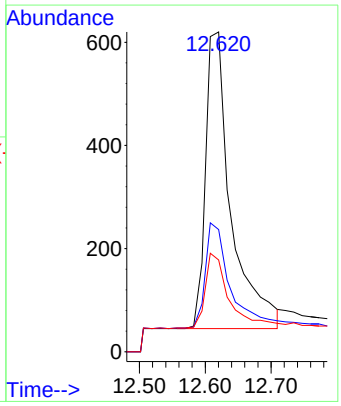




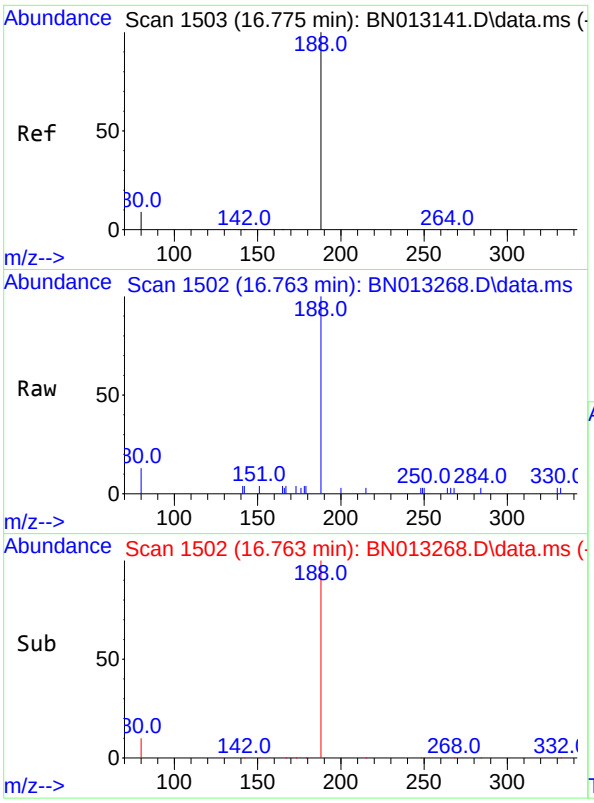
#15
2-Fluorobiphenyl
Concen: 0.26 ng
RT: 12.620 min Scan# 1173
Delta R.T. 0.012 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:172 Resp: 1547

Ion	Ratio	Lower	Upper
172	100		
171	38.2	28.2	42.4
170	28.7	20.0	30.0



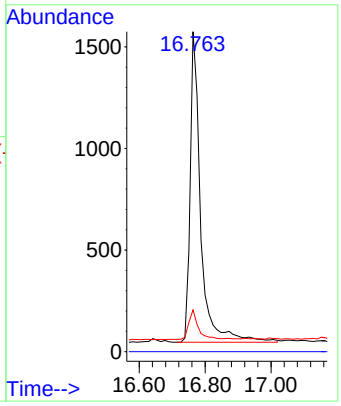
Instrument :
BNA_N
ClientSampleId :
RE139D1-20201214

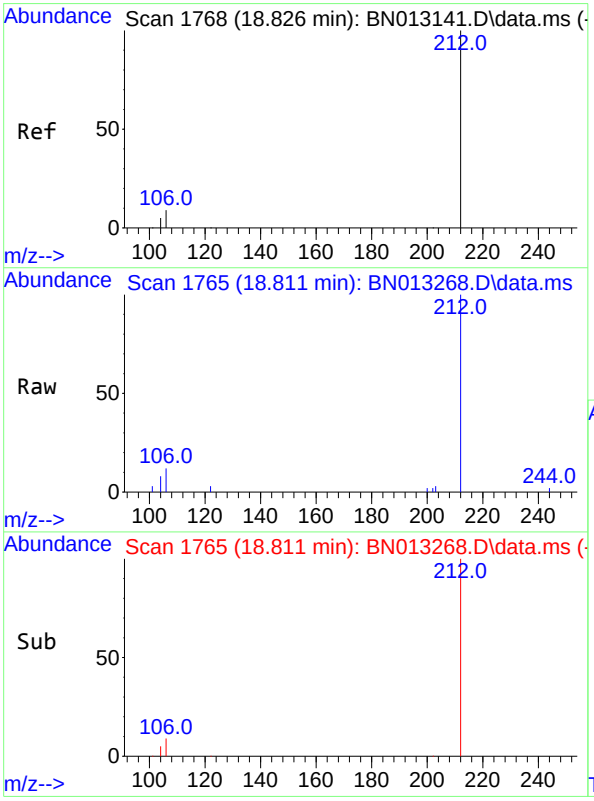


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.763 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:188 Resp: 3366

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	5.0	7.4#

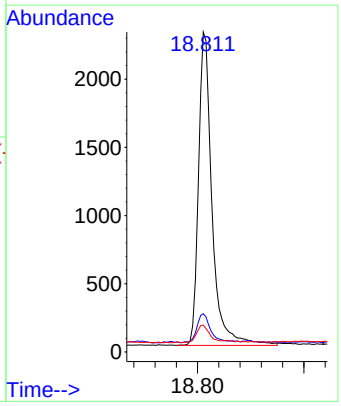


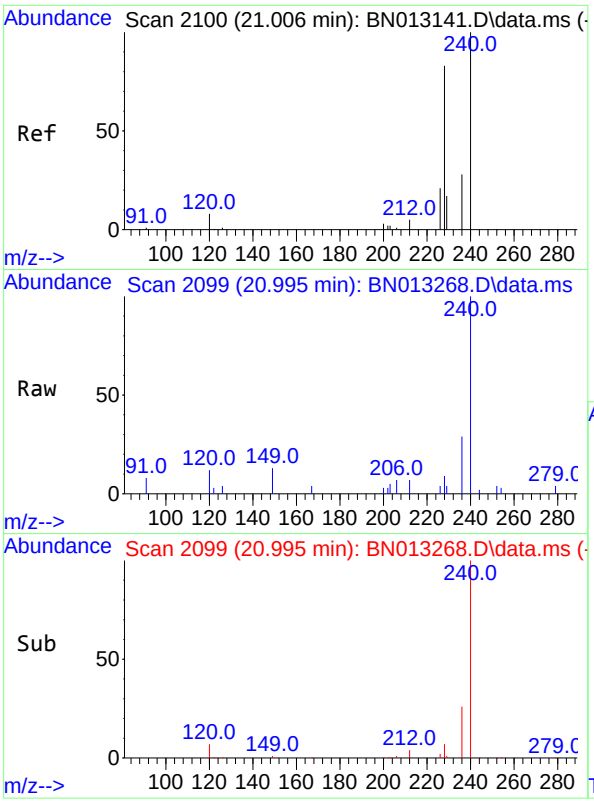


#27
Fluoranthene-d10
Concen: 0.37 ng
RT: 18.811 min Scan# 1765
Delta R.T. -0.005 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:212 Resp: 4049

Ion	Ratio	Lower	Upper
212	100		
106	9.3	6.8	10.2
104	5.2	4.1	6.1

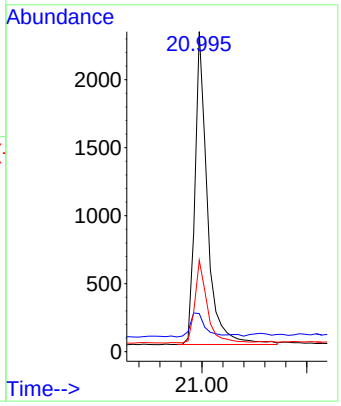




#29
Chrysene-d12
Concen: 0.40 ng
RT: 20.995 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:240 Resp: 3776

Ion	Ratio	Lower	Upper
240	100		
120	11.9	5.3	7.9#
236	28.6	21.8	32.8



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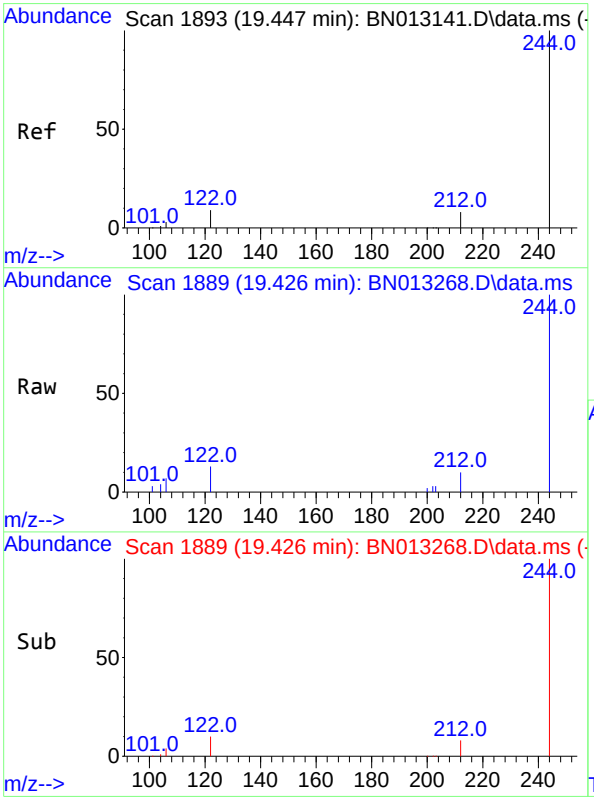
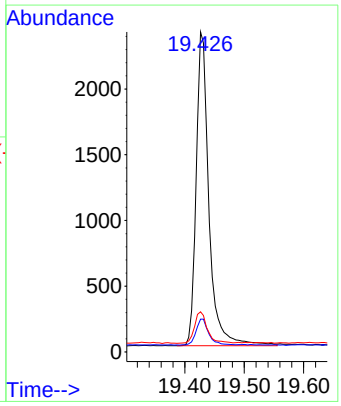


#31
Terphenyl-d14
Concen: 0.37 ng
RT: 19.426 min Scan# 1889
Delta R.T. -0.005 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:244 Resp: 3557

Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.3	10.9
122	12.6	7.3	10.9#



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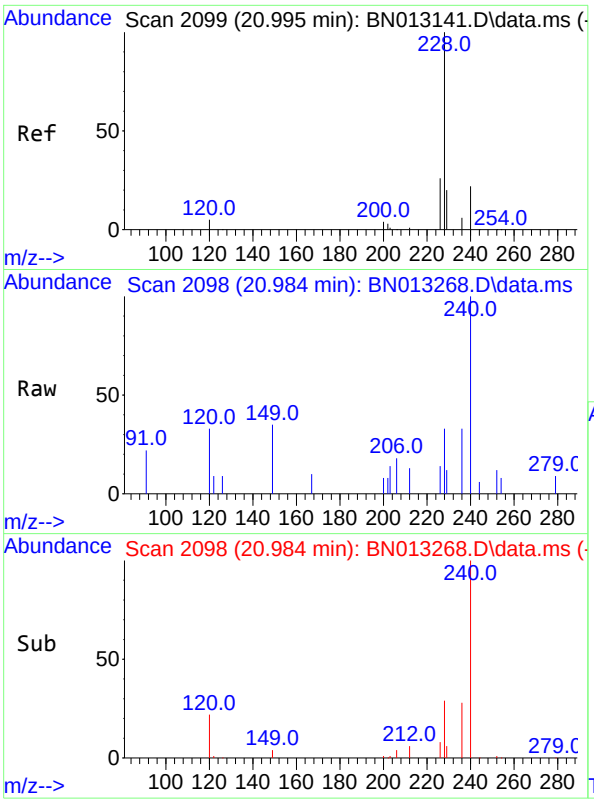
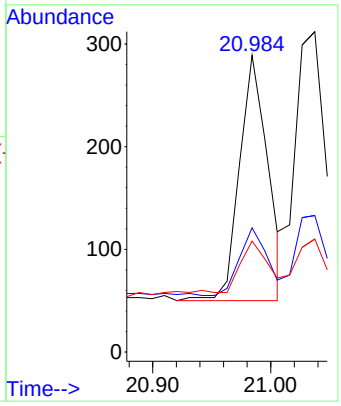
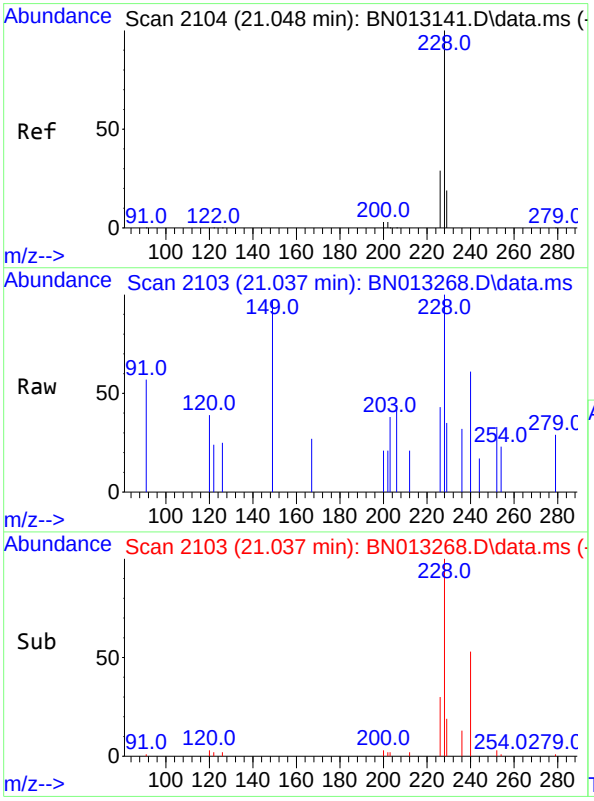


#32
Benzo(a)anthracene
Concen: 0.03 ng
RT: 20.984 min Scan# 2098
Delta R.T. -0.000 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:228 Resp: 399

Ion	Ratio	Lower	Upper
228	100		
226	41.9	22.3	33.5#
229	37.4	15.7	23.5#

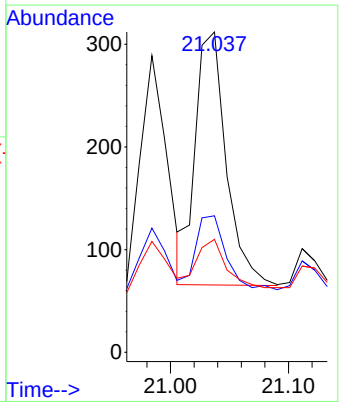


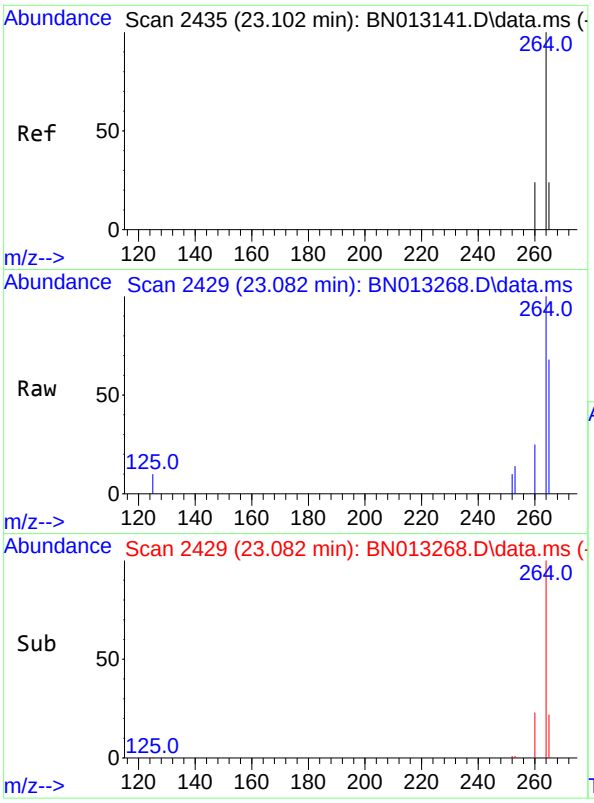


#33
Chrysene
Concen: 0.03 ng
RT: 21.037 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:228 Resp: 449

Ion	Ratio	Lower	Upper
228	100		
226	42.6	24.2	36.2#
229	35.3	15.7	23.5#

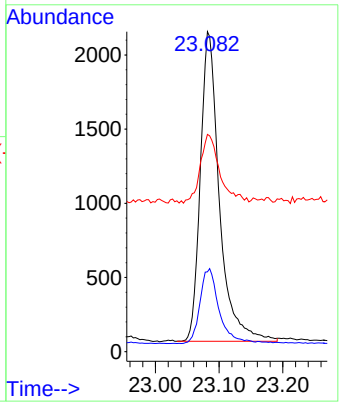




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.082 min Scan# 2429
Delta R.T. -0.004 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:264 Resp: 4325

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.6
265	67.9	51.4	77.0



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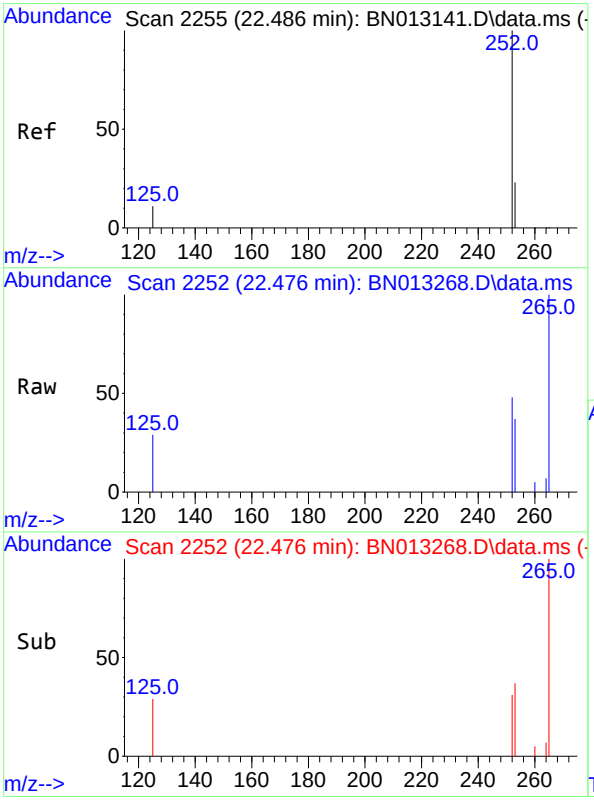
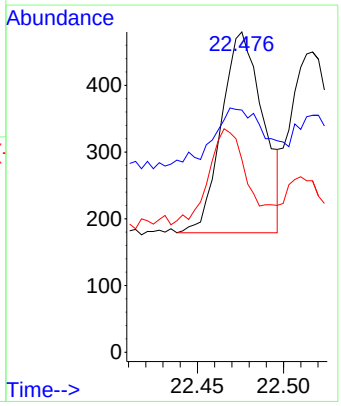
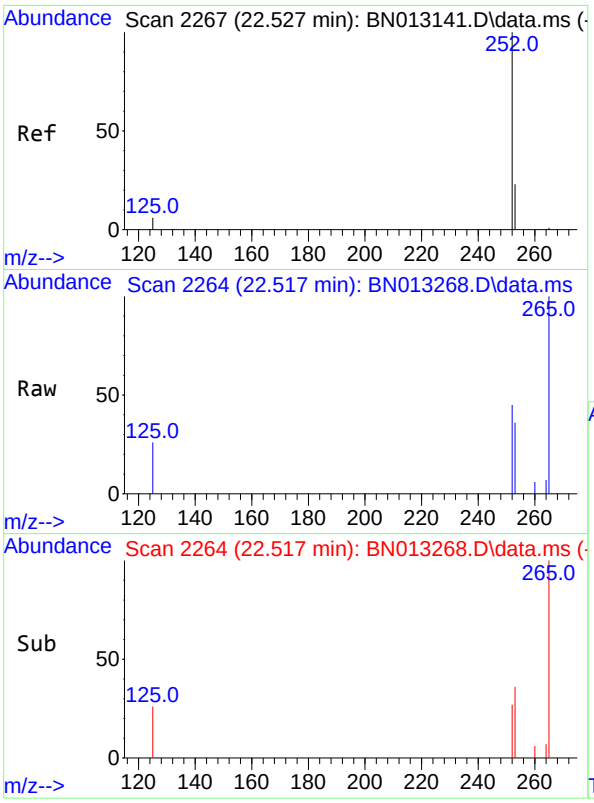


#37
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.476 min Scan# 2252
Delta R.T. 0.003 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:252 Resp: 505

Ion	Ratio	Lower	Upper
252	100		
253	75.6	20.1	30.1#
125	60.2	7.2	10.8#

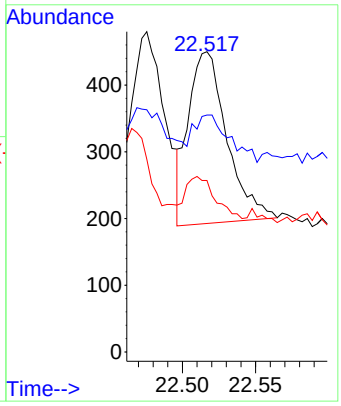




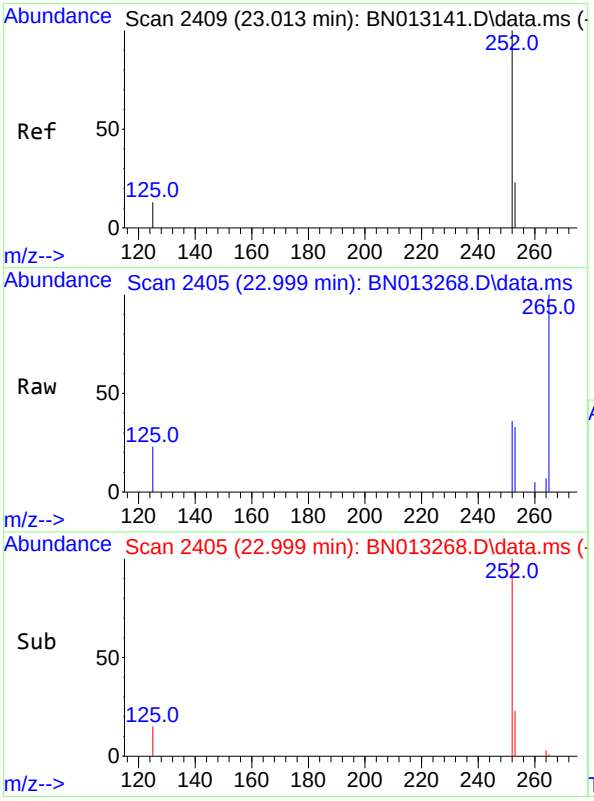
#38
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 22.517 min Scan# 2264
Delta R.T. 0.003 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:252 Resp: 471

Ion	Ratio	Lower	Upper
252	100		
253	78.9	19.8	29.8#
125	57.1	7.1	10.7#



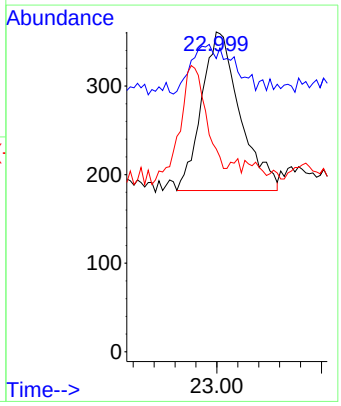
Instrument :
BNA_N
ClientSampleId :
RE139D1-20201214



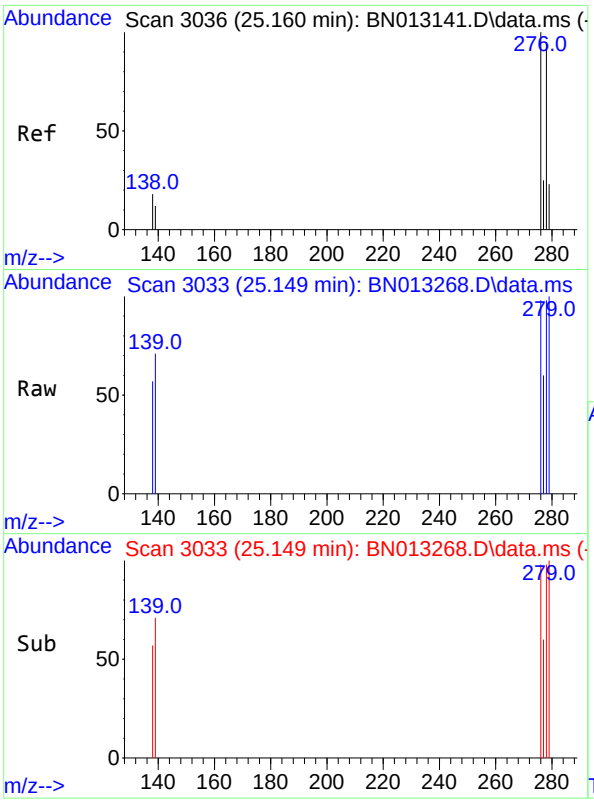
#39
Benzo(a)pyrene
Concen: 0.03 ng
RT: 22.999 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:252 Resp: 456

Ion	Ratio	Lower	Upper
252	100		
253	91.7	21.3	31.9#
125	63.4	8.3	12.5#



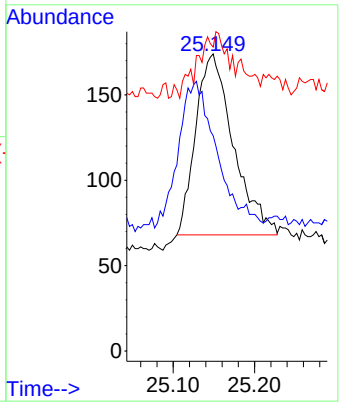
Instrument :
BNA_N
ClientSampleId :
RE139D1-20201214

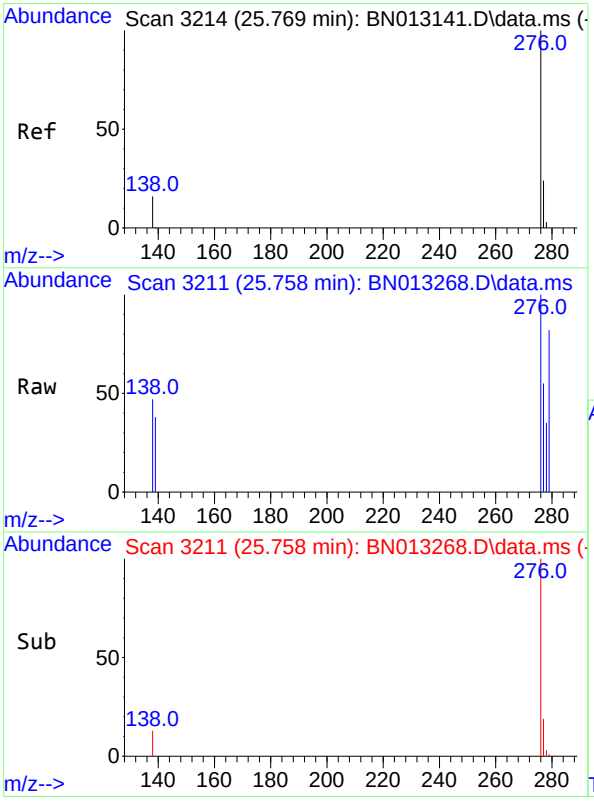


#40
Dibenzo(a,h)anthracene
Concen: 0.02 ng
RT: 25.149 min Scan# 3033
Delta R.T. 0.017 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:278 Resp: 342

Ion	Ratio	Lower	Upper
278	100		
139	72.4	9.3	13.9#
279	102.3	21.6	32.4#





#41
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 25.758 min Scan# 3211
Delta R.T. 0.017 min
Lab File: BN013268.D
Acq: 22 Dec 2020 12:11

Tgt Ion:276 Resp: 510

Ion	Ratio	Lower	Upper
276	100		
277	55.0	19.8	29.8#
138	47.1	11.7	17.5#