Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090421\
Data File : BN016218.D
Acq On : 05 Sep 2021 07:22
Operator : CG/JU
Sample : M3561-24MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : VE4-11MSD

Quant Time: Sep 06 06:22:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 06 02:08:58 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	15895	0.400	ng	0.00
7) Naphthalene-d8	10.660	136	83507	0.400	ng	0.00
13) Acenaphthene-d10	14.497	164	63902	0.400	ng	0.00
19) Phenanthrene-d10	17.249	188	111740	0.400	ng	# 0.00
29) Chrysene-d12	21.461	240	113810	0.400	ng	# 0.03
35) Perylene-d12	23.854	264	94638	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.476	112	7419	0.165	ng	0.02
5) Phenol-d6	7.052	99	6218	0.108	ng	0.02
8) Nitrobenzene-d5	9.025	82	24615	0.367	ng	0.00
11) 2-Methylnaphthalene-d10	12.252	152	46178	0.347	ng	0.00
14) 2,4,6-Tribromophenol	15.994	330	9664	0.339	ng	0.00
15) 2-Fluorobiphenyl	13.127	172	65456	0.272	ng	0.00
27) Fluoranthene-d10	19.296	212	98970	0.295	ng	0.02
31) Terphenyl-d14	19.892	244	107922	0.375	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.383	88	1087	0.214	ng	# 72
6) bis(2-Chloroethyl)ether	7.292	93	14685	0.354	ng	96
9) Naphthalene	10.711	128	76680	0.347	ng	# 95
10) Hexachlorobutadiene	11.002	225	13643	0.303	ng	# 100
12) 2-Methylnaphthalene	12.323	142	58115	0.390	ng	# 91
16) Acenaphthylene	14.218	152	91540	0.319	ng	# 79
17) Acenaphthene	14.561	154	47213	0.260	ng	98
18) Fluorene	15.550	166	80246	0.352	ng	# 83
20) 4,6-Dinitro-2-methylph...	15.639	198	6252	0.830	ng	# 18
21) 4-Bromophenyl-phenylether	16.433	248	19564	0.331	ng	# 38
22) Hexachlorobenzene	16.555	284	20635	0.296	ng	# 71
23) Atrazine	16.713	200	12094	0.202	ng	# 1
24) Pentachlorophenol	16.920	266	30395	1.307	ng	99
25) Phenanthrene	17.298	178	121966	0.390	ng	# 78
26) Anthracene	17.383	178	192000	0.644	ng	# 93
28) Fluoranthene	19.326	202	119856	0.323	ng	97
30) Pyrene	19.689	202	155875	0.420	ng	97
32) Benzo(a)anthracene	21.440	228	121667	0.318	ng	# 63
33) Chrysene	21.493	228	132493	0.357	ng	# 66
34) Bis(2-ethylhexyl)phtha...	21.355	149	104873	0.408	ng	97
36) Indeno(1,2,3-cd)pyrene	26.336	276	80443	0.306	ng	100
37) Benzo(b)fluoranthene	23.122	252	127171	0.394	ng	# 78
38) Benzo(k)fluoranthene	23.170	252	121660	0.411	ng	# 77
39) Benzo(a)pyrene	23.748	252	101361	0.353	ng	# 79
40) Dibenzo(a,h)anthracene	26.350	278	68659	0.312	ng	# 86
41) Benzo(g,h,i)perylene	27.099	276	58472	0.264	ng	# 90

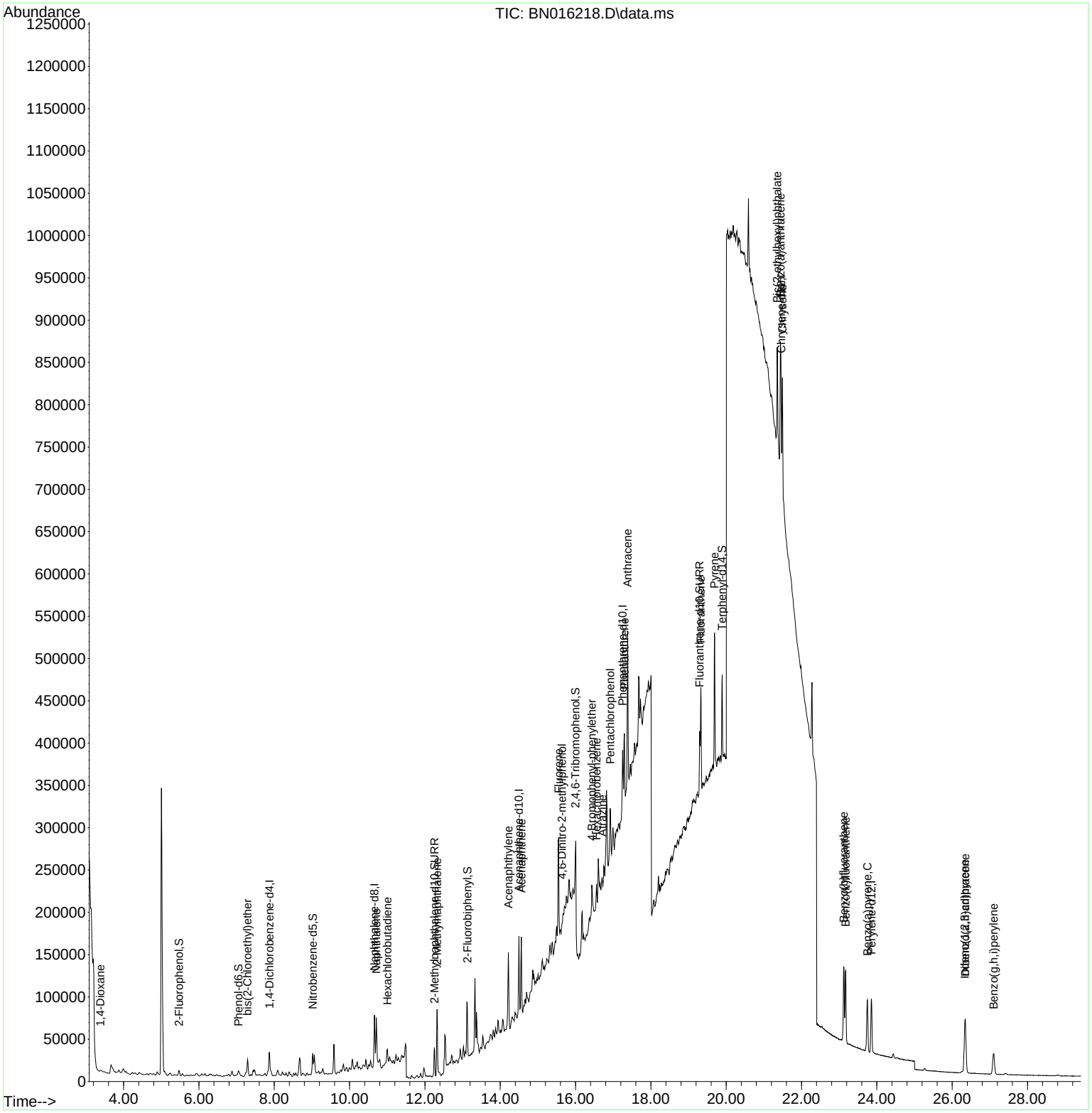
(#) = qualifier out of range (m) = manual integration (+) = signals summed

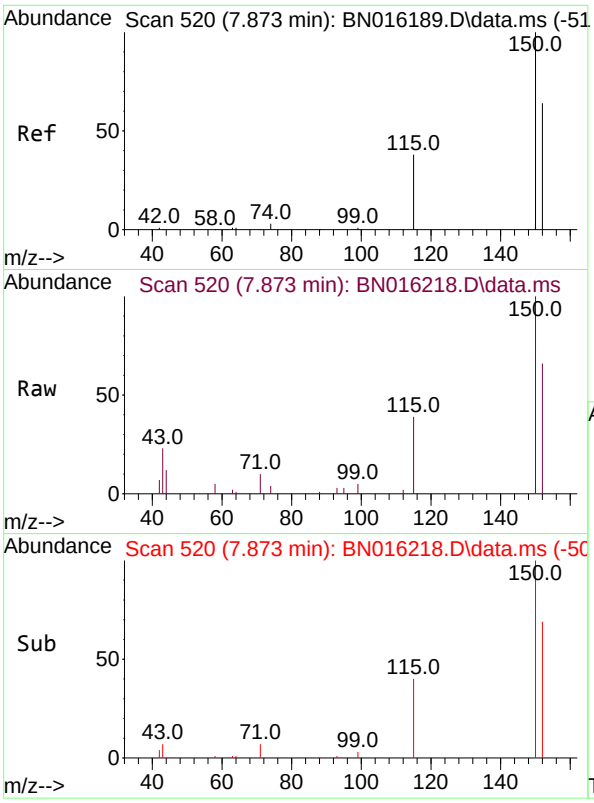
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090421\
Data File : BN016218.D
Acq On : 05 Sep 2021 07:22
Operator : CG/JU
Sample : M3561-24MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

Quant Time: Sep 06 06:22:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 06 02:08:58 2021
Response via : Initial Calibration

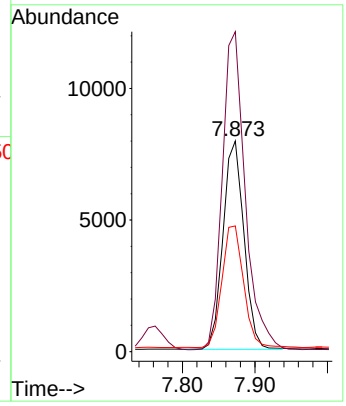




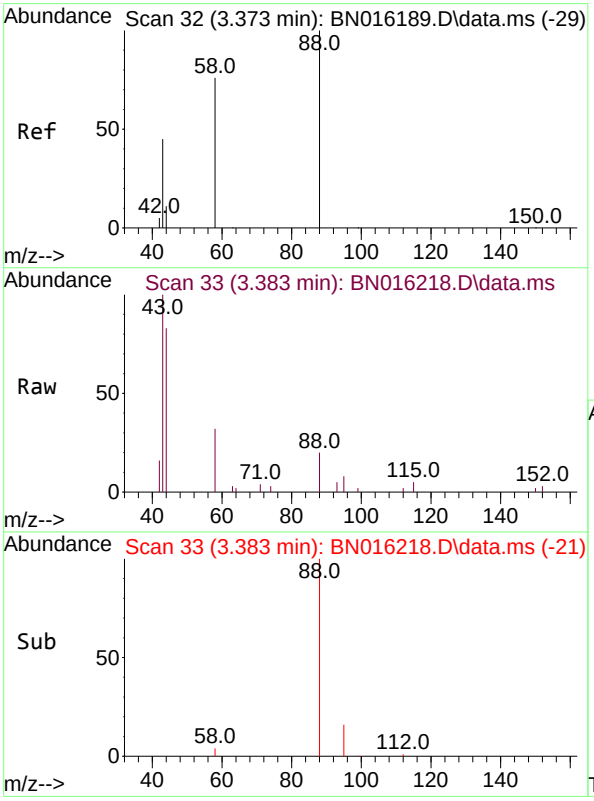
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.873 min Scan# 520
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:152 Resp: 15895

Ion	Ratio	Lower	Upper
152	100		
150	151.9	125.3	187.9
115	59.7	48.4	72.6



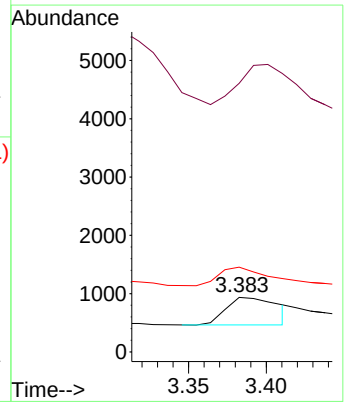
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



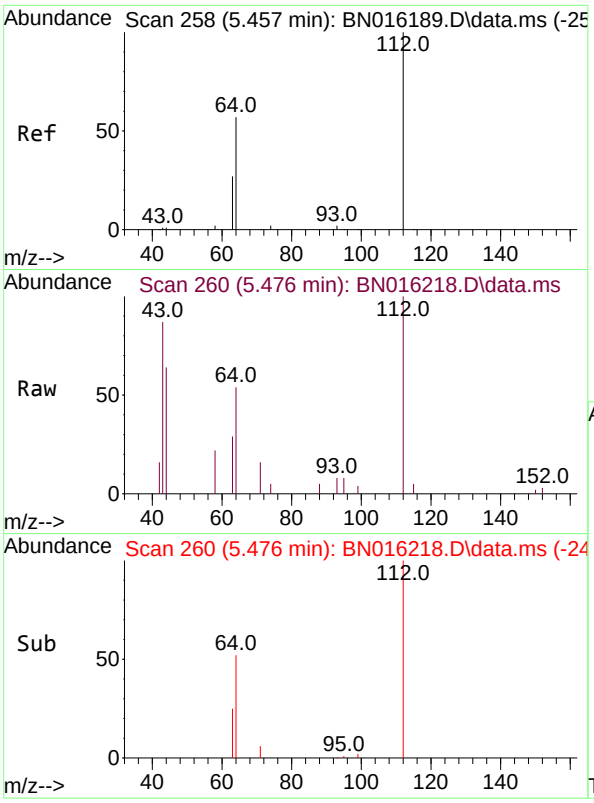
#2
1,4-Dioxane
Concen: 0.214 ng
RT: 3.383 min Scan# 33
Delta R.T. 0.009 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion: 88 Resp: 1087

Ion	Ratio	Lower	Upper
88	100		
43	122.6	77.0	115.4#
58	60.8	70.8	106.2#



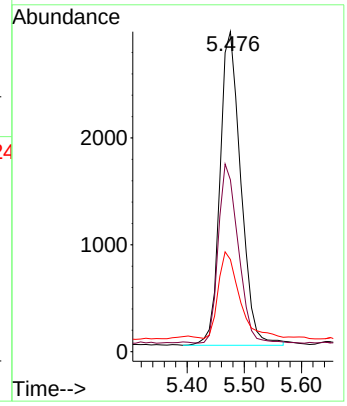
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

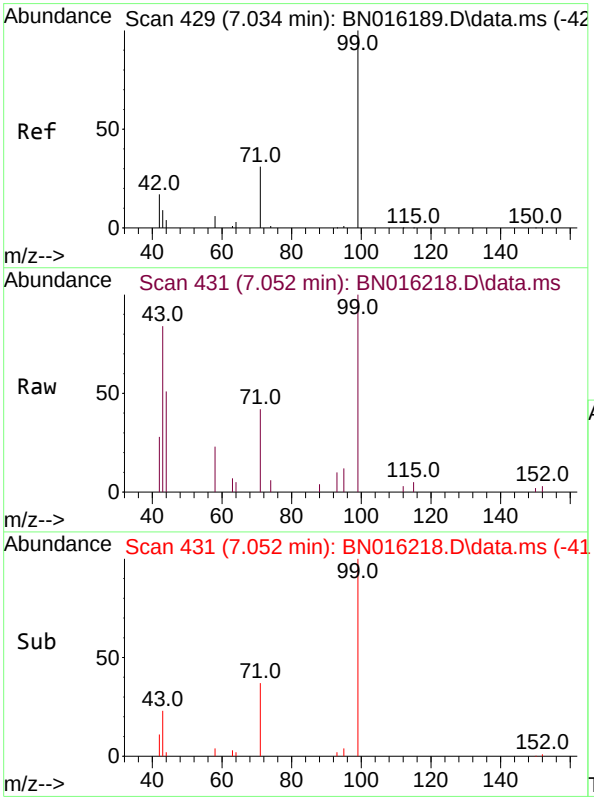


#4
2-Fluorophenol
Concen: 0.165 ng
RT: 5.476 min Scan# 260
Delta R.T. 0.019 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:112 Resp: 7419

Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.8	70.2
63	28.1	22.7	34.1

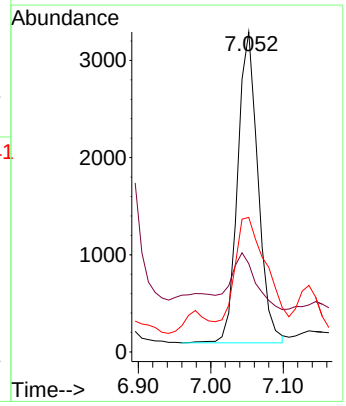




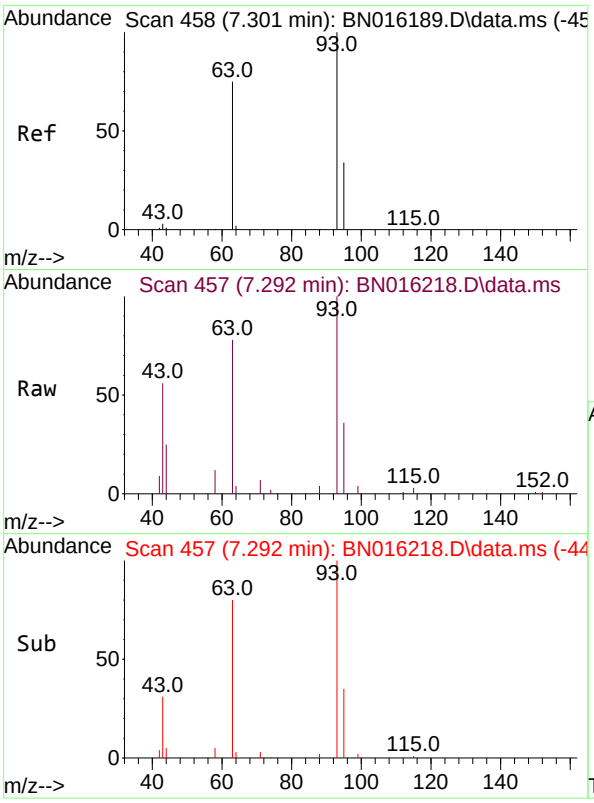
#5
Phenol-d6
Concen: 0.108 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.019 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion: 99 Resp: 6218

Ion	Ratio	Lower	Upper
99	100		
42	22.2	13.8	20.6#
71	48.9	24.3	36.5#



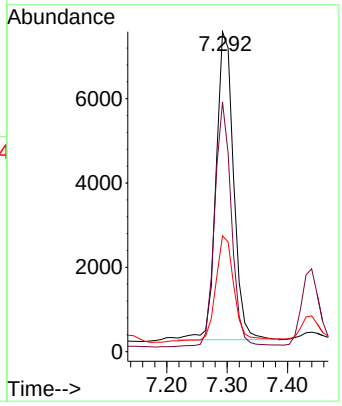
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

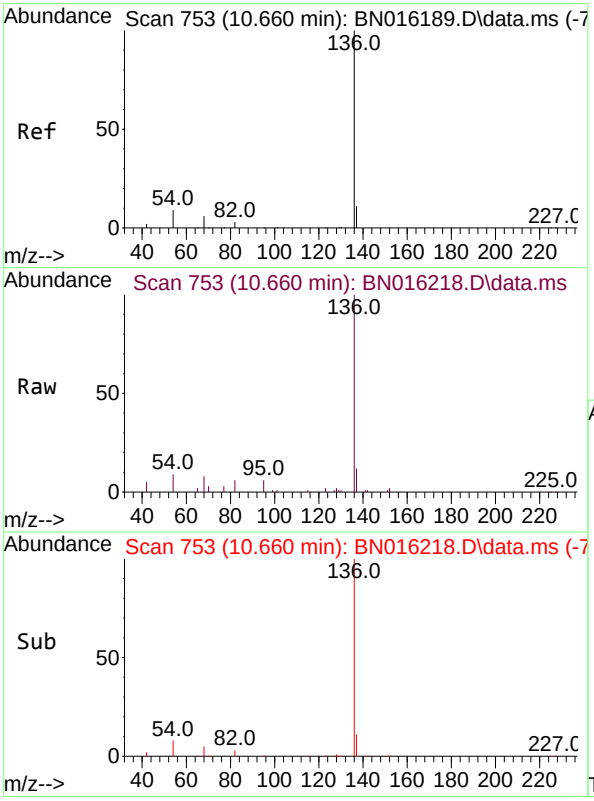


#6
bis(2-Chloroethyl)ether
Concen: 0.354 ng
RT: 7.292 min Scan# 457
Delta R.T. -0.009 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion: 93 Resp: 14685

Ion	Ratio	Lower	Upper
93	100		
63	75.5	62.8	94.2
95	35.8	27.0	40.4

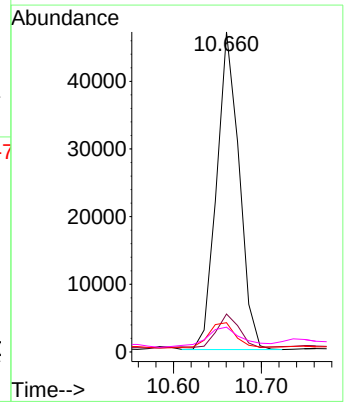


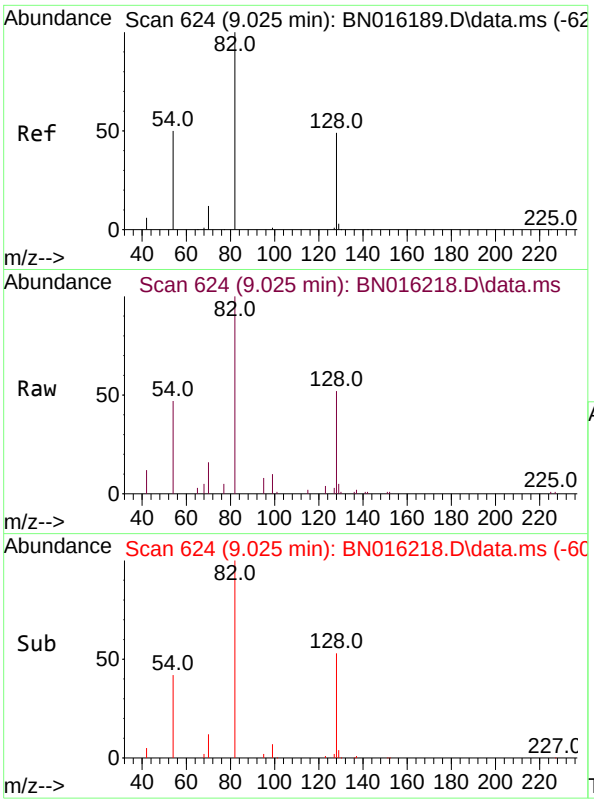


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.660 min Scan# 753
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:136 Resp: 83507

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	9.2	7.2	10.8
68	7.8	5.2	7.8

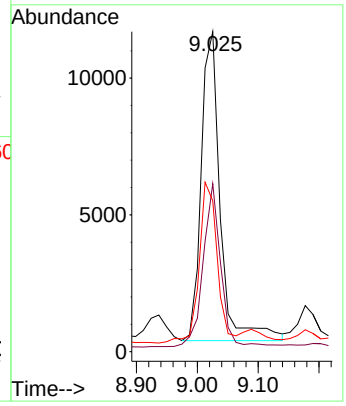




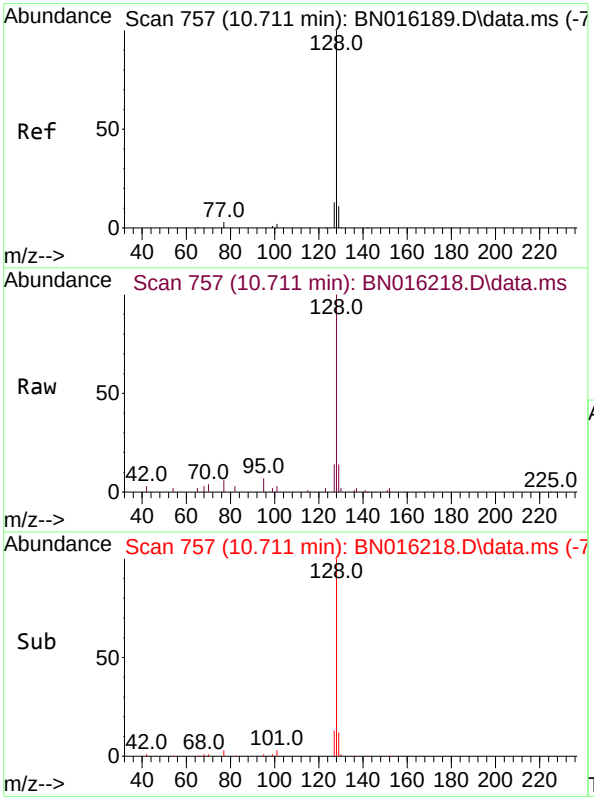
#8
Nitrobenzene-d5
Concen: 0.367 ng
RT: 9.025 min Scan# 624
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion: 82 Resp: 24615

Ion	Ratio	Lower	Upper
82	100		
128	52.5	39.3	58.9
54	47.1	40.2	60.4



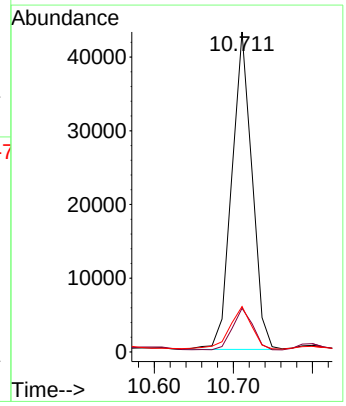
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



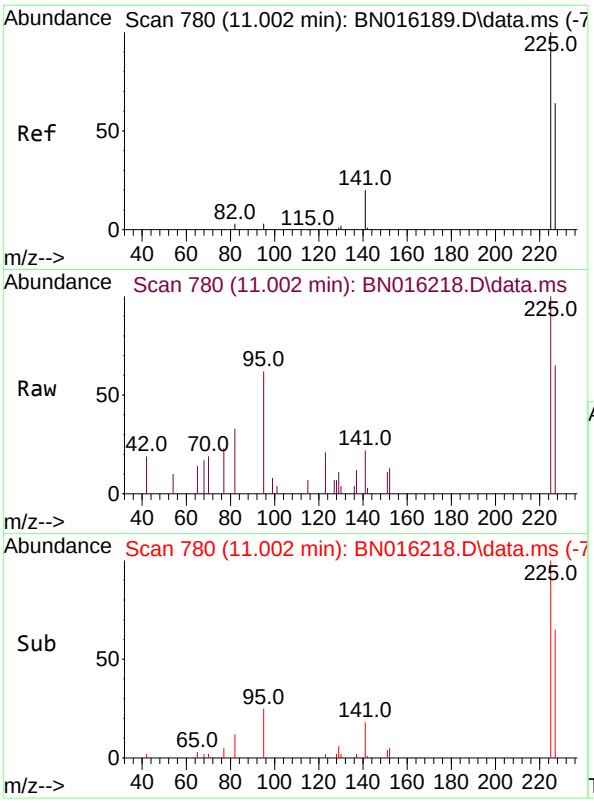
#9
Naphthalene
Concen: 0.347 ng
RT: 10.711 min Scan# 757
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:128 Resp: 76680

Ion	Ratio	Lower	Upper
128	100		
129	13.7	8.9	13.3#
127	14.2	10.4	15.6



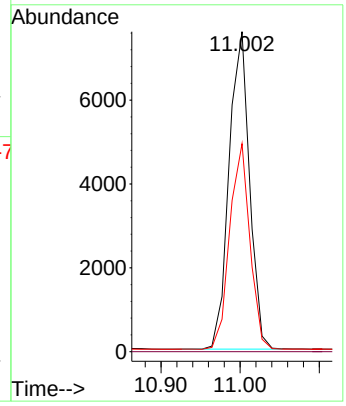
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

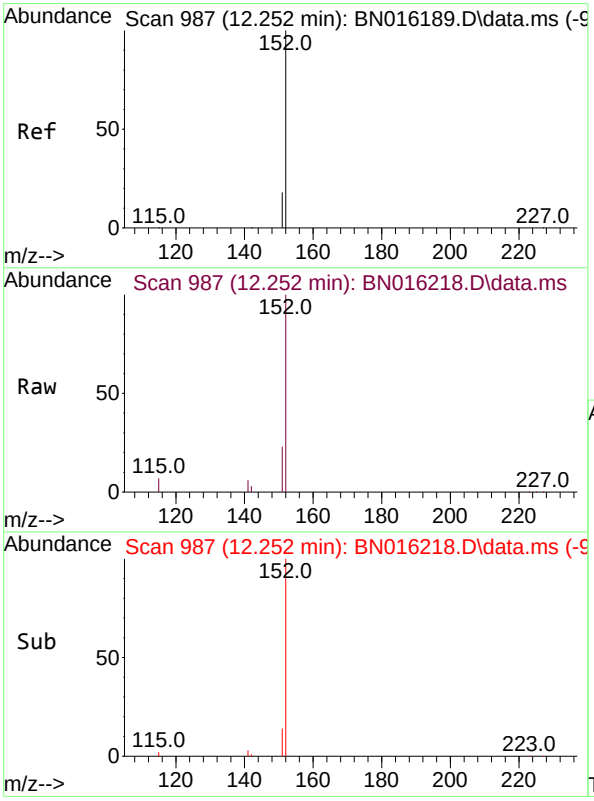


#10
Hexachlorobutadiene
Concen: 0.303 ng
RT: 11.002 min Scan# 780
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:225 Resp: 13643

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.2	76.8

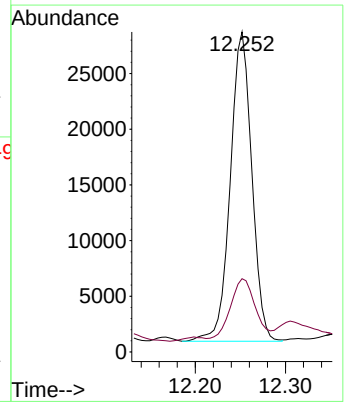




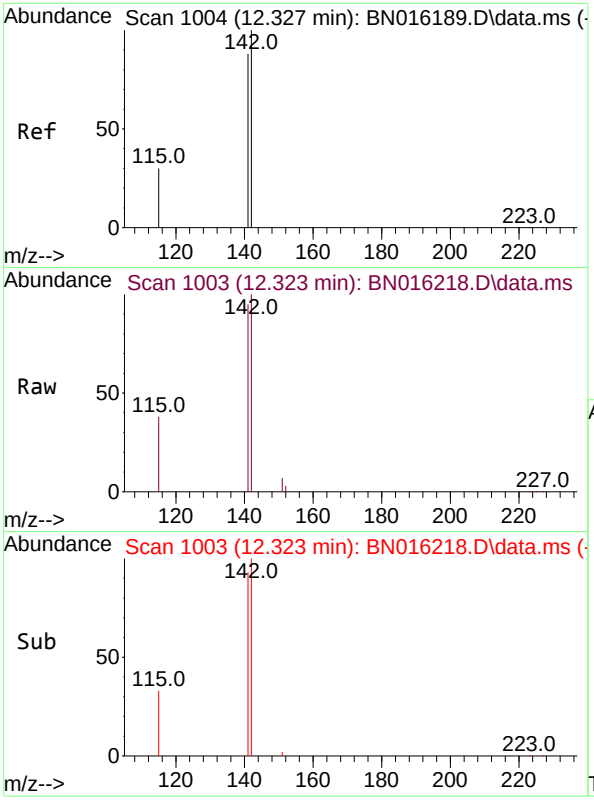
#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 12.252 min Scan# 987
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:152 Resp: 46178

Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.2	24.2



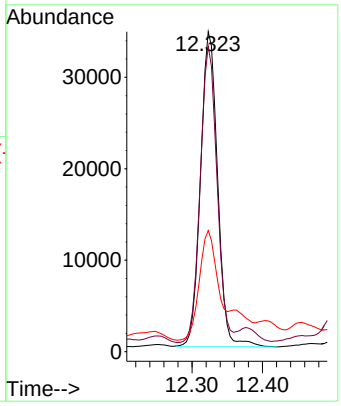
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

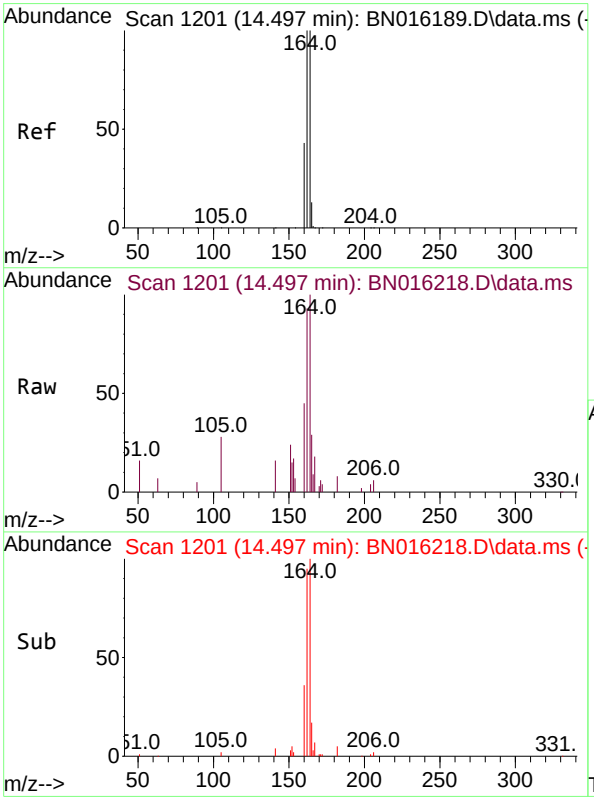


#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 12.323 min Scan# 1003
Delta R.T. -0.004 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:142 Resp: 58115

Ion	Ratio	Lower	Upper
142	100		
141	95.5	70.4	105.6
115	37.8	24.4	36.6#

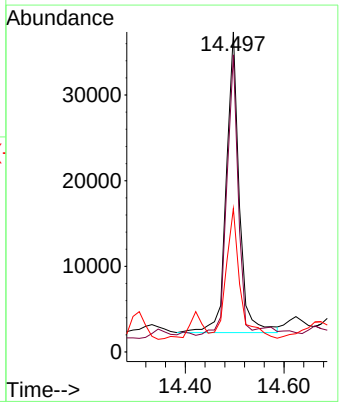


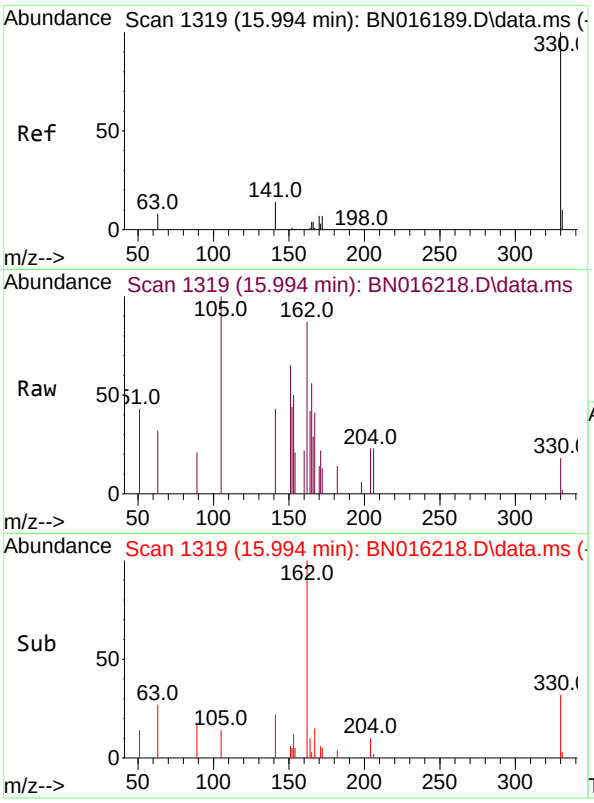


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.497 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:164 Resp: 63902

Ion	Ratio	Lower	Upper
164	100		
162	92.9	79.8	119.6
160	44.8	34.2	51.4

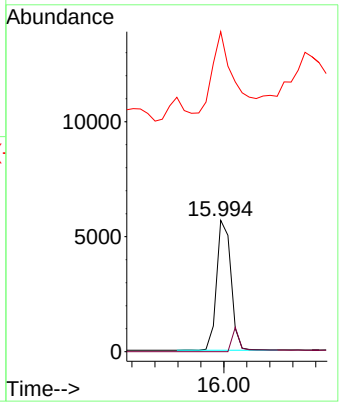




#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.994 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:330 Resp: 9664

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	92.0	25.4	38.2#



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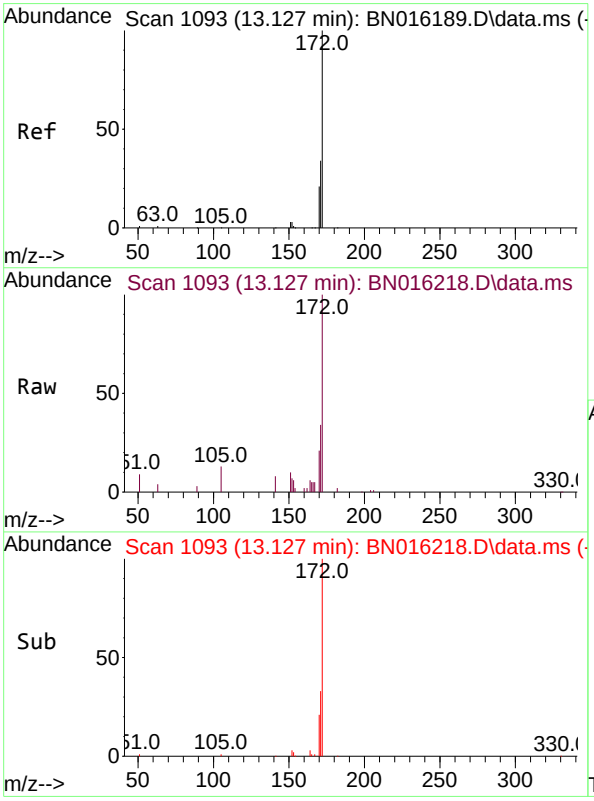
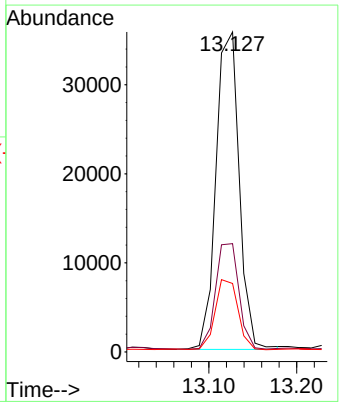
VE4-11MSD



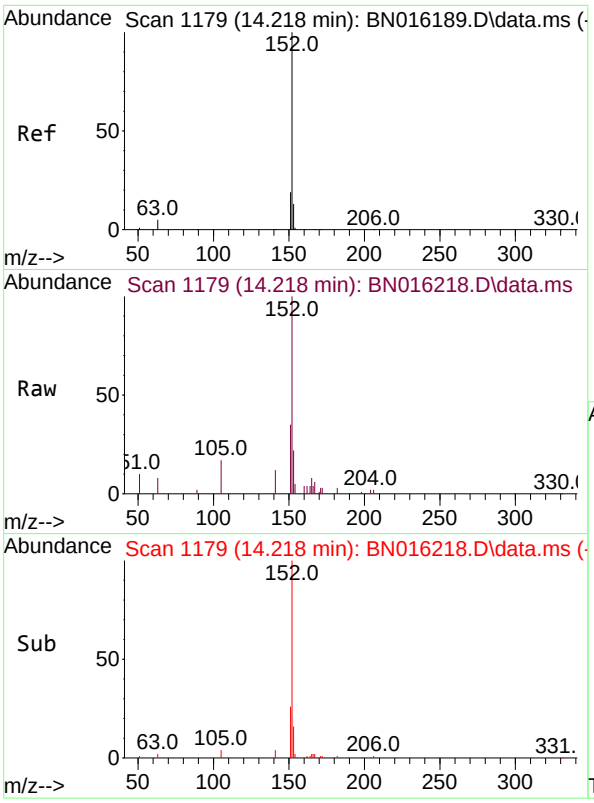
#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 13.127 min Scan# 1093
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:172 Resp: 65456

Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.9	40.3
170	21.4	17.1	25.7



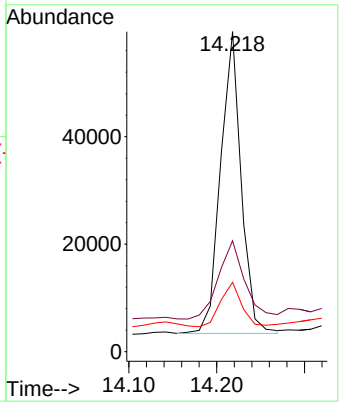
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

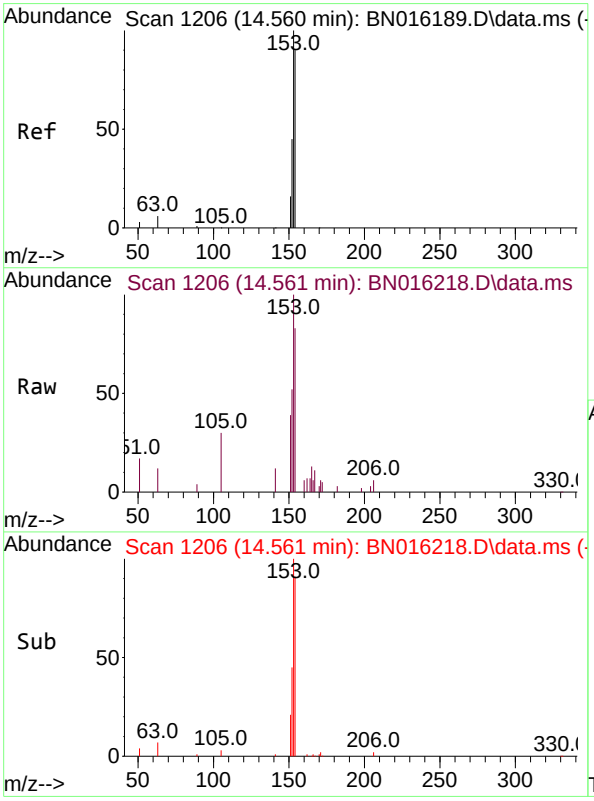


#16
Acenaphthylene
Concen: 0.319 ng
RT: 14.218 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:152 Resp: 91540

Ion	Ratio	Lower	Upper
152	100		
151	33.5	15.3	22.9#
153	15.0	10.4	15.6

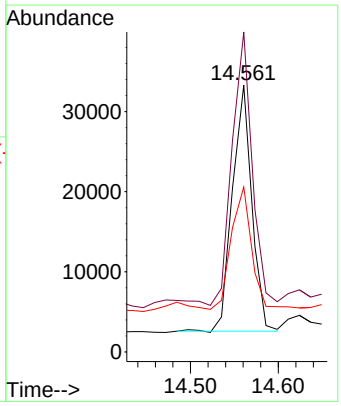




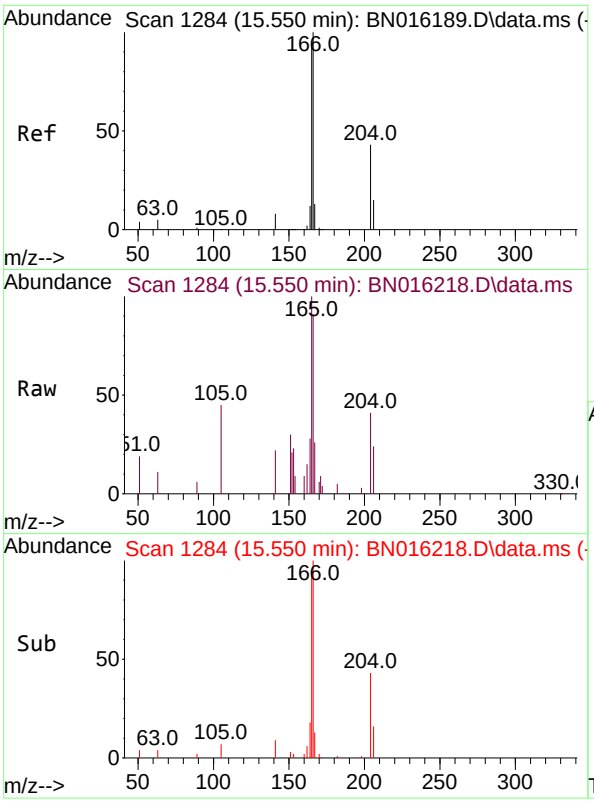
#17
Acenaphthene
Concen: 0.260 ng
RT: 14.561 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:154 Resp: 47213

Ion	Ratio	Lower	Upper
154	100		
153	109.0	89.1	133.7
152	52.2	41.2	61.8



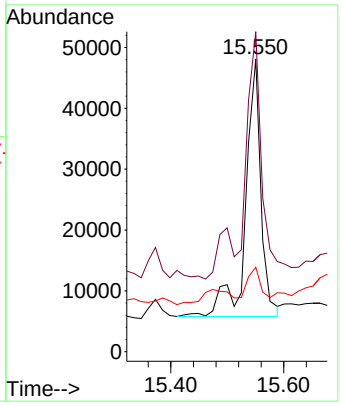
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

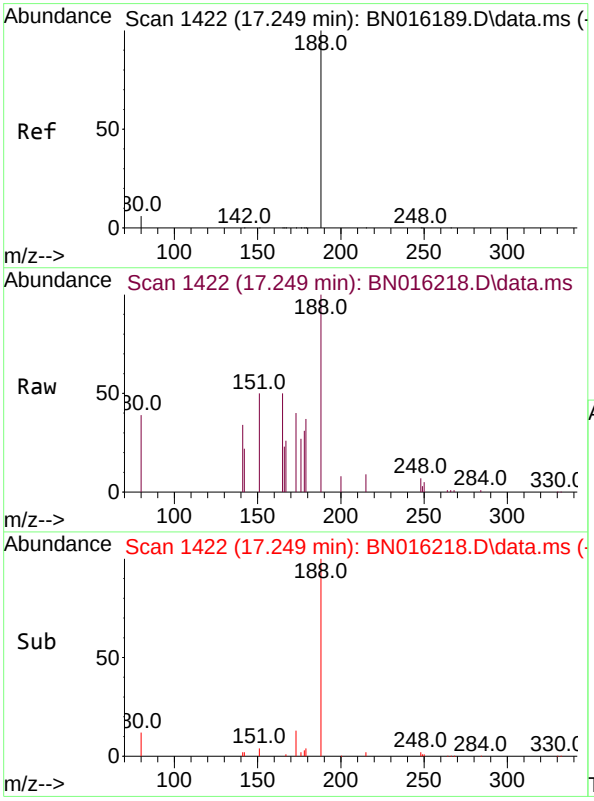


#18
Fluorene
Concen: 0.352 ng
RT: 15.550 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:166 Resp: 80246

Ion	Ratio	Lower	Upper
166	100		
165	114.3	77.0	115.6
167	9.2	10.9	16.3#

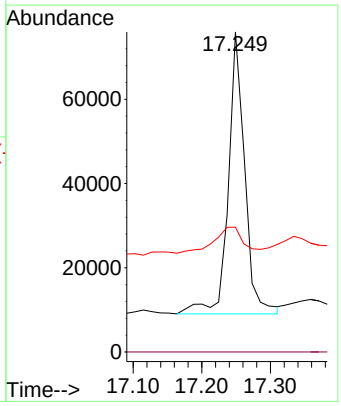




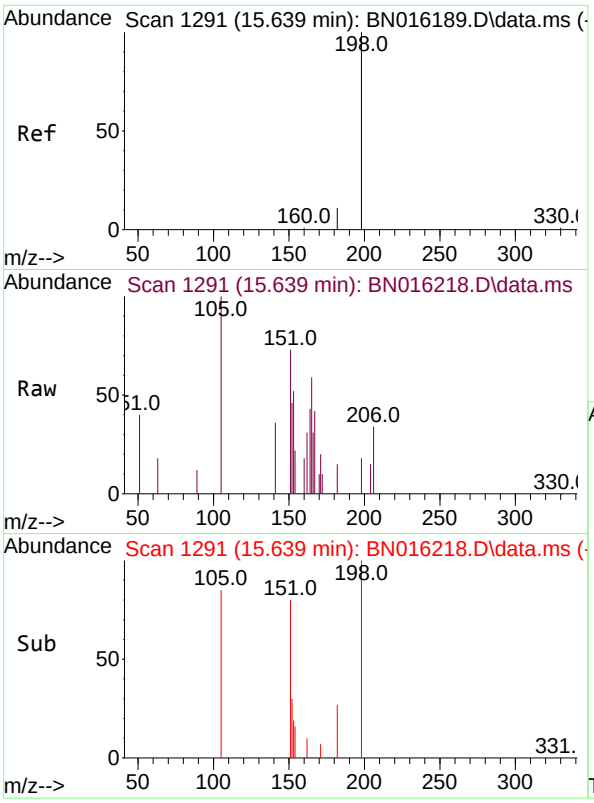
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.249 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:188 Resp: 111740

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	39.0	5.0	7.6#



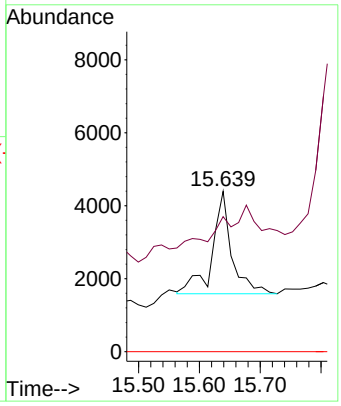
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

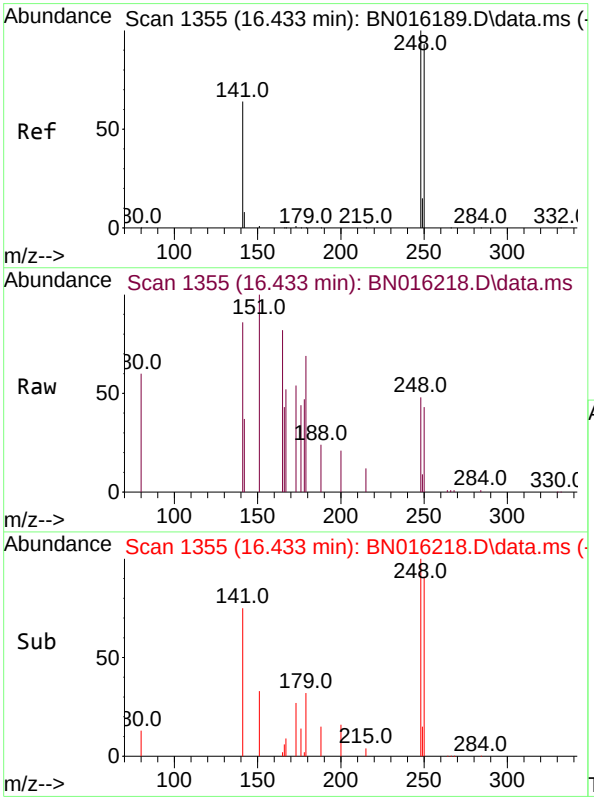


#20
4,6-Dinitro-2-methylphenol
Concen: 0.830 ng
RT: 15.639 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:198 Resp: 6252

Ion	Ratio	Lower	Upper
198	100		
182	84.2	28.8	43.2#
77	0.0	0.0	0.0

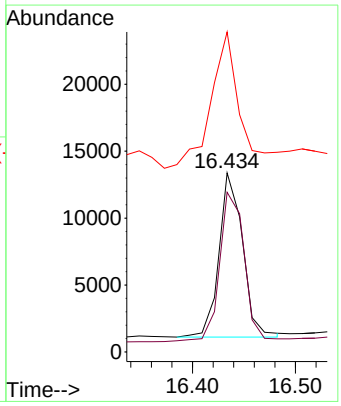




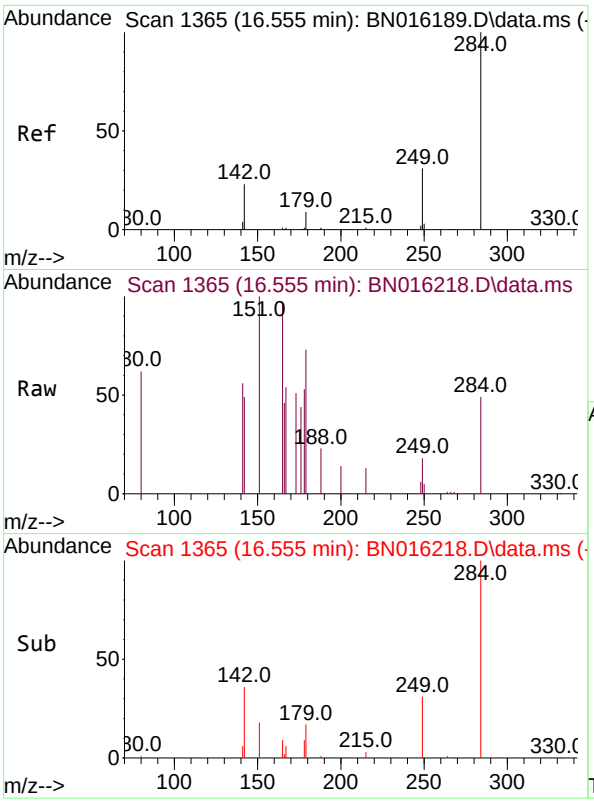
#21
4-Bromophenyl-phenylether
Concen: 0.331 ng
RT: 16.433 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:248 Resp: 19564

Ion	Ratio	Lower	Upper
248	100		
250	89.2	74.6	112.0
141	178.8	51.6	77.4#



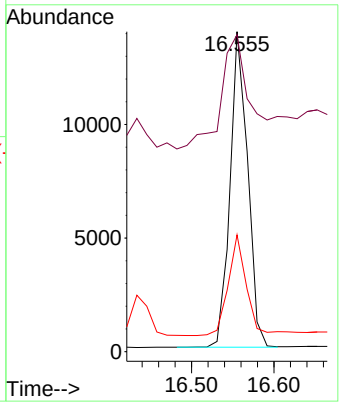
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

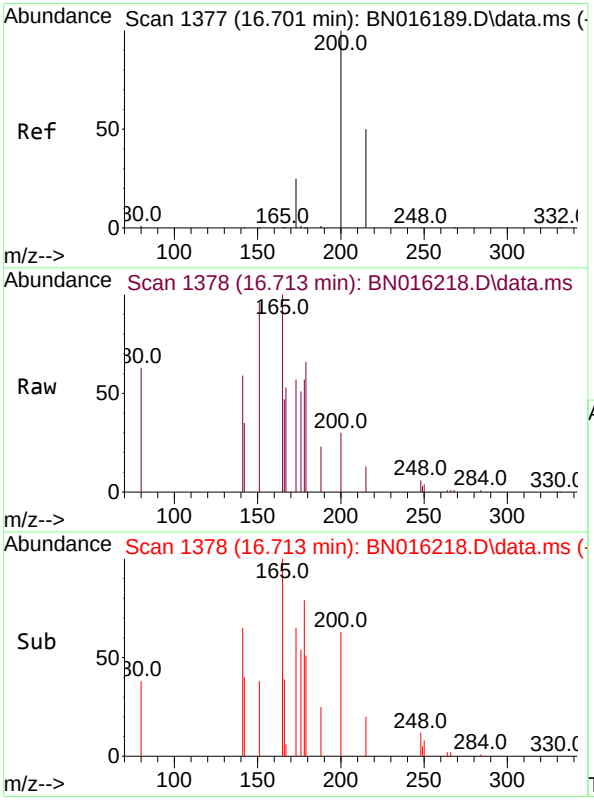


#22
Hexachlorobenzene
Concen: 0.296 ng
RT: 16.555 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:284 Resp: 20635

Ion	Ratio	Lower	Upper
284	100		
142	58.5	22.7	34.1#
249	32.5	24.3	36.5

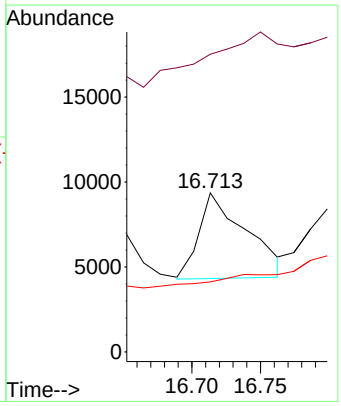


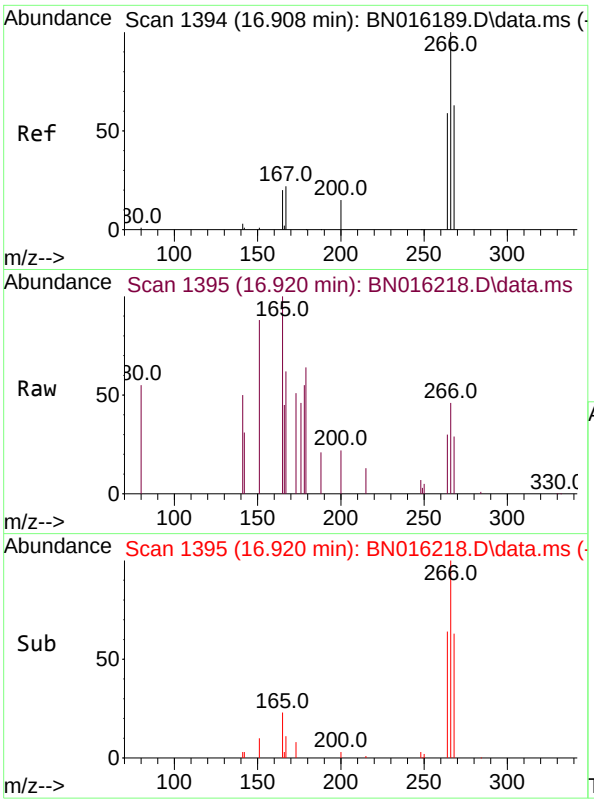


#23
Atrazine
Concen: 0.202 ng
RT: 16.713 min Scan# 1378
Delta R.T. 0.012 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:200 Resp: 12094

Ion	Ratio	Lower	Upper
200	100		
173	187.3	20.6	31.0#
215	44.1	40.5	60.7

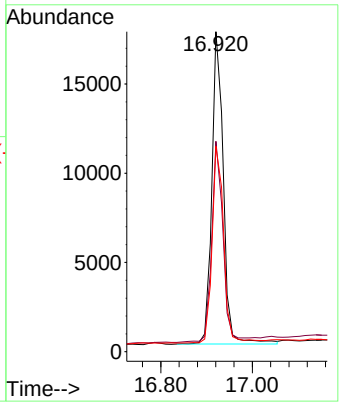




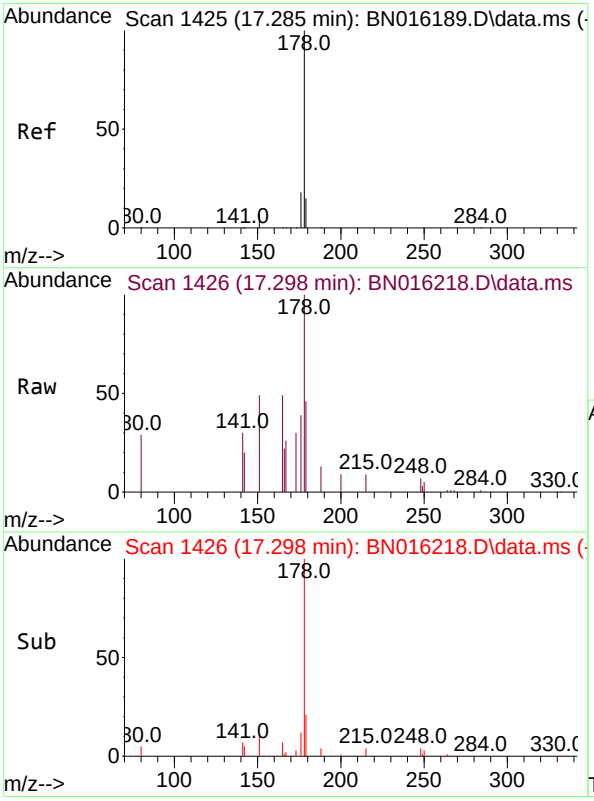
#24
Pentachlorophenol
Concen: 1.307 ng
RT: 16.920 min Scan# 1395
Delta R.T. 0.012 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:266 Resp: 30395

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.4	75.6
268	63.5	49.6	74.4



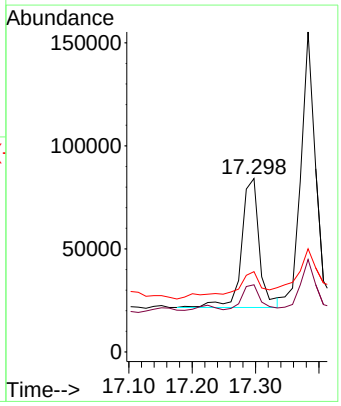
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

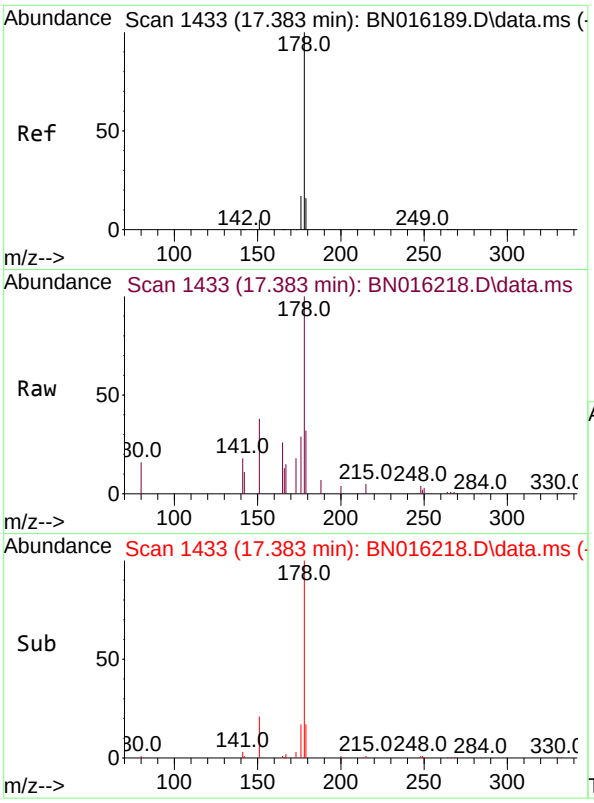


#25
Phenanthrene
Concen: 0.390 ng
RT: 17.298 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:178 Resp: 121966

Ion	Ratio	Lower	Upper
178	100		
176	19.8	14.5	21.7
179	33.4	12.3	18.5#

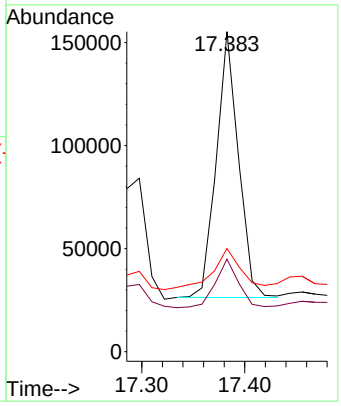




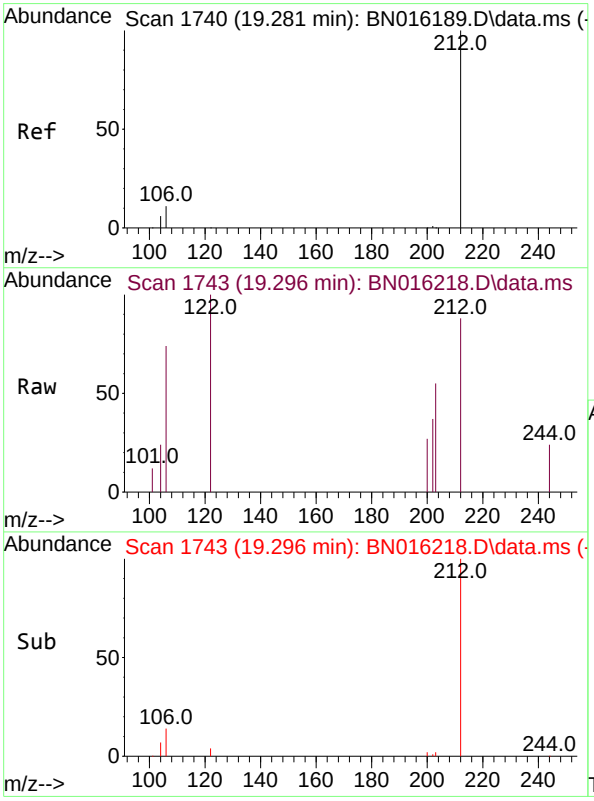
#26
Anthracene
Concen: 0.644 ng
RT: 17.383 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:178 Resp: 192000

Ion	Ratio	Lower	Upper
178	100		
176	19.0	13.8	20.8
179	19.8	12.4	18.6#



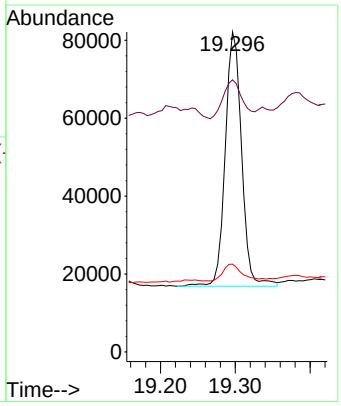
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



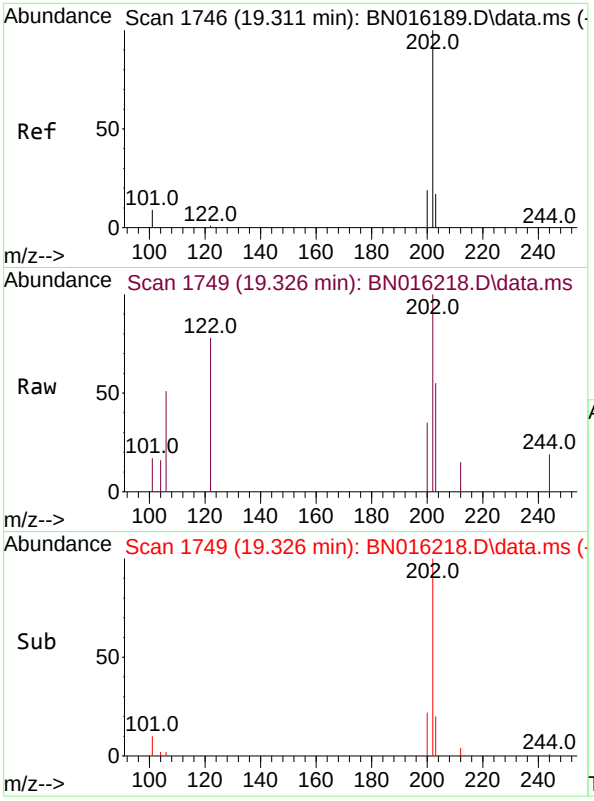
#27
Fluoranthene-d10
Concen: 0.295 ng
RT: 19.296 min Scan# 1743
Delta R.T. 0.015 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:212 Resp: 98970

Ion	Ratio	Lower	Upper
212	100		
106	17.8	9.7	14.5#
104	7.9	5.4	8.0



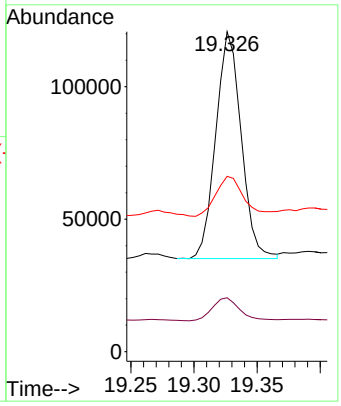
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

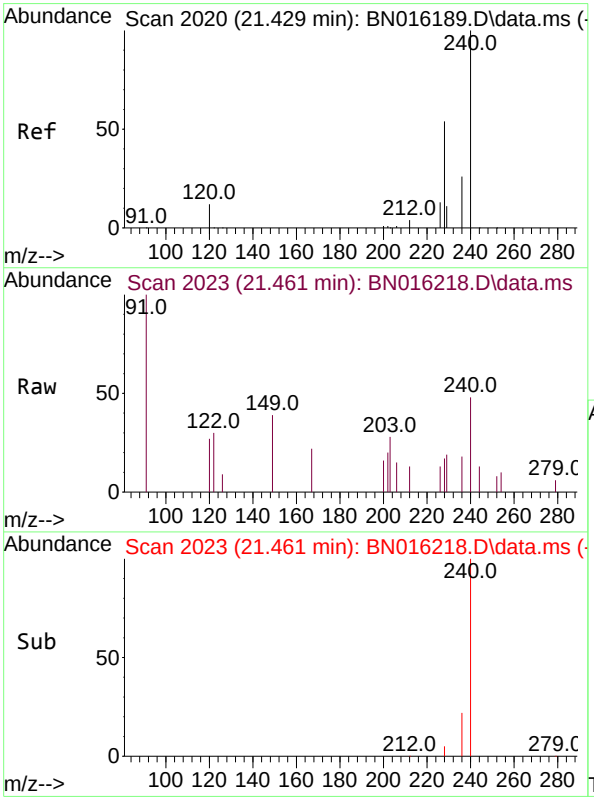


#28
Fluoranthene
Concen: 0.323 ng
RT: 19.326 min Scan# 1749
Delta R.T. 0.015 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:202 Resp: 119856

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.4	12.6
203	19.3	13.8	20.8

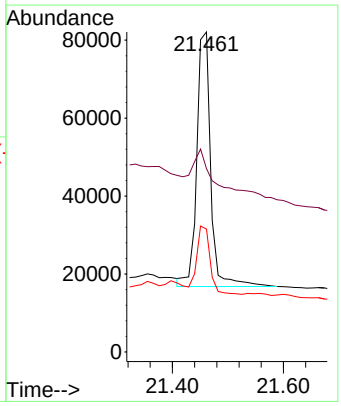


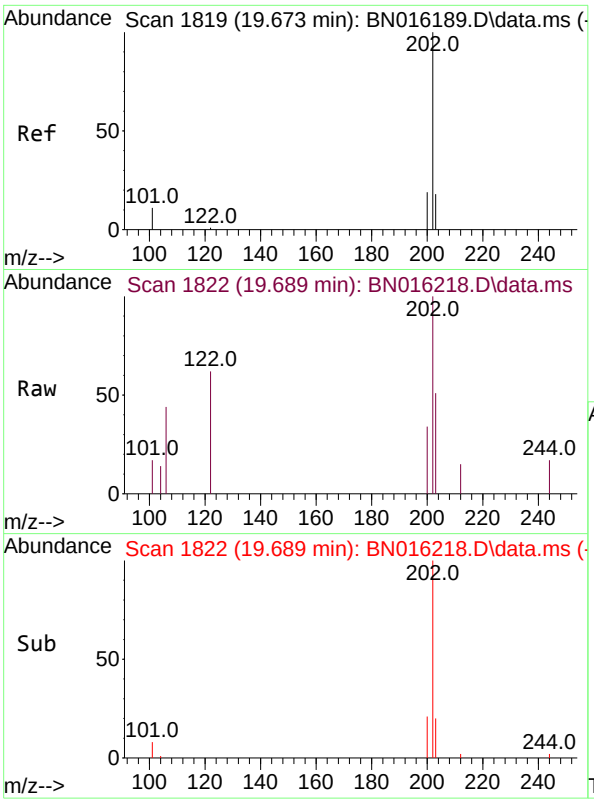


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.461 min Scan# 2023
Delta R.T. 0.032 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:240 Resp: 113810

Ion	Ratio	Lower	Upper
240	100		
120	57.3	10.0	15.0#
236	38.4	20.9	31.3#

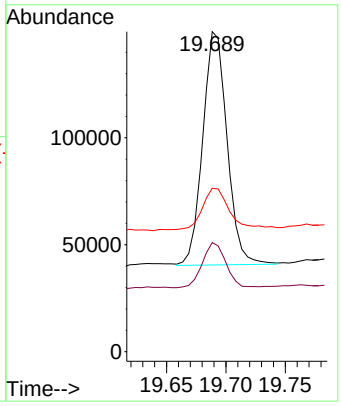




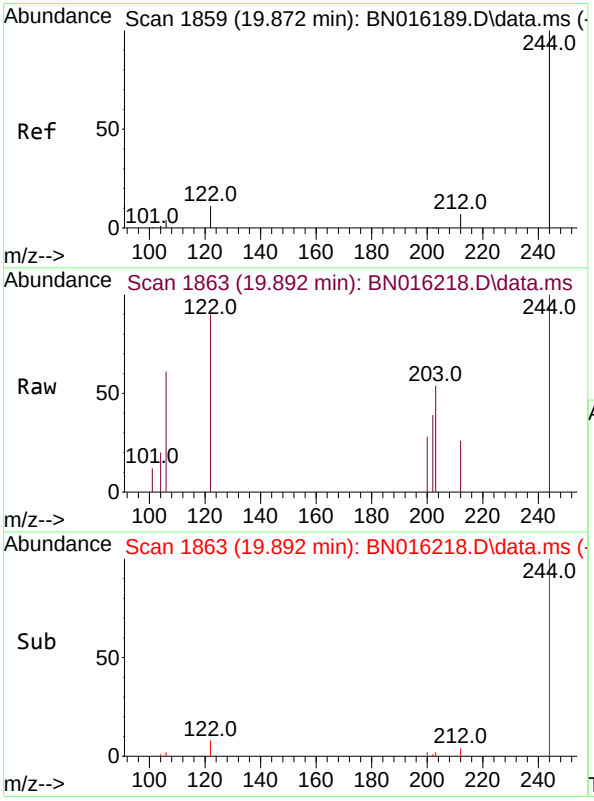
#30
Pyrene
Concen: 0.420 ng
RT: 19.689 min Scan# 1822
Delta R.T. 0.015 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:202 Resp: 155875

Ion	Ratio	Lower	Upper
202	100		
200	19.2	15.8	23.8
203	19.6	14.1	21.1



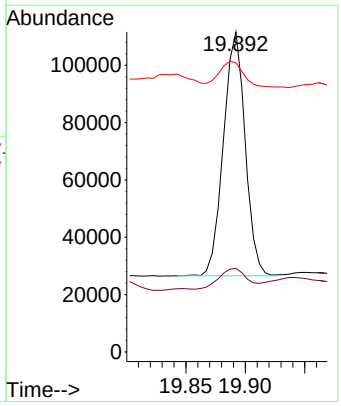
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



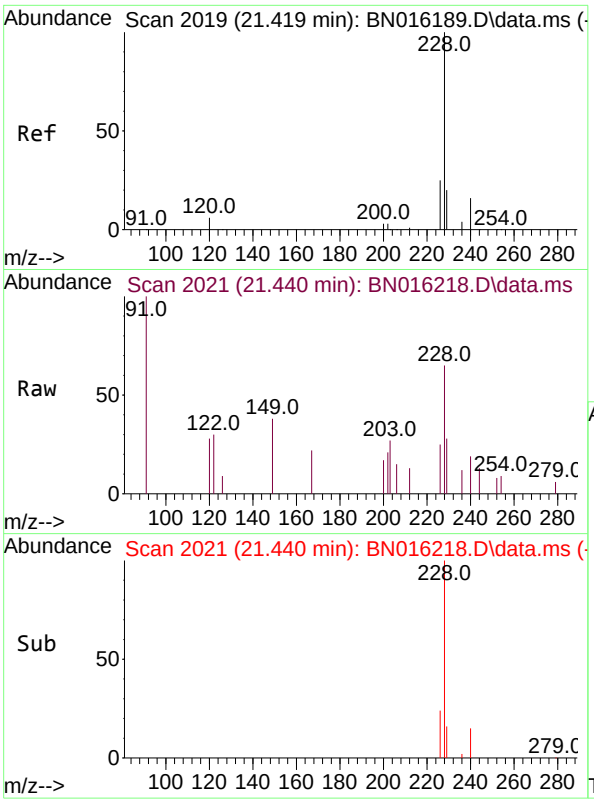
#31
Terphenyl-d14
Concen: 0.375 ng
RT: 19.892 min Scan# 1863
Delta R.T. 0.020 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:244 Resp: 107922

Ion	Ratio	Lower	Upper
244	100		
212	26.1	5.5	8.3#
122	90.3	9.0	13.4#



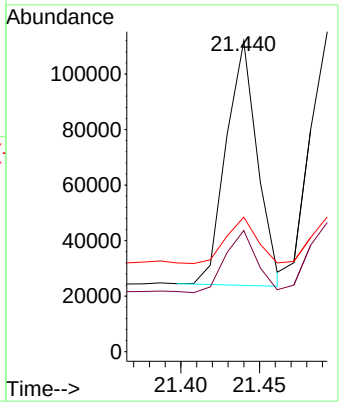
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

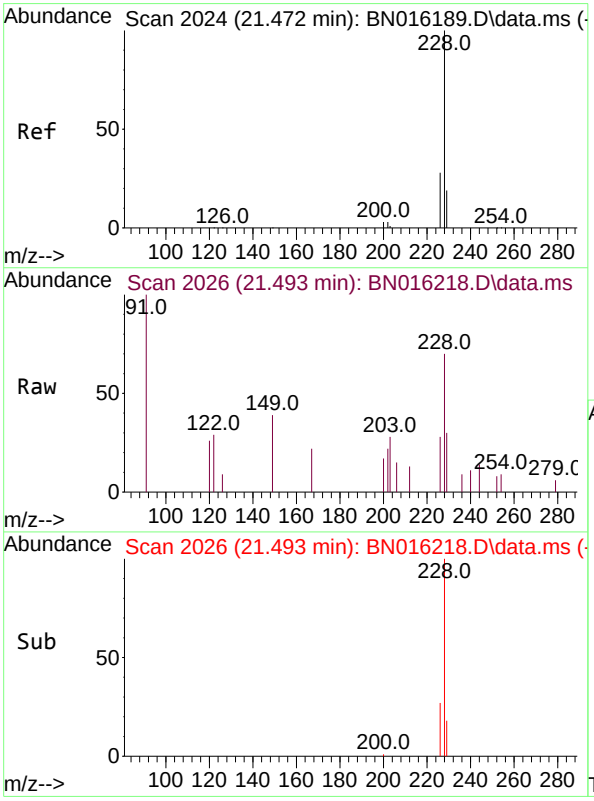


#32
Benzo(a)anthracene
Concen: 0.318 ng
RT: 21.440 min Scan# 2021
Delta R.T. 0.021 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:228 Resp: 121667

Ion	Ratio	Lower	Upper
228	100		
226	39.0	20.5	30.7#
229	43.3	16.2	24.4#

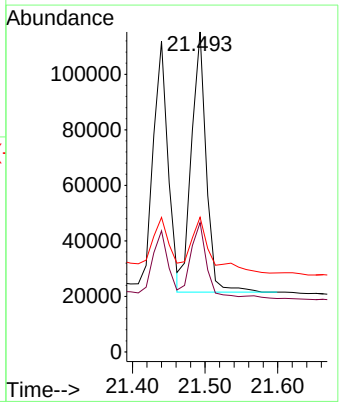




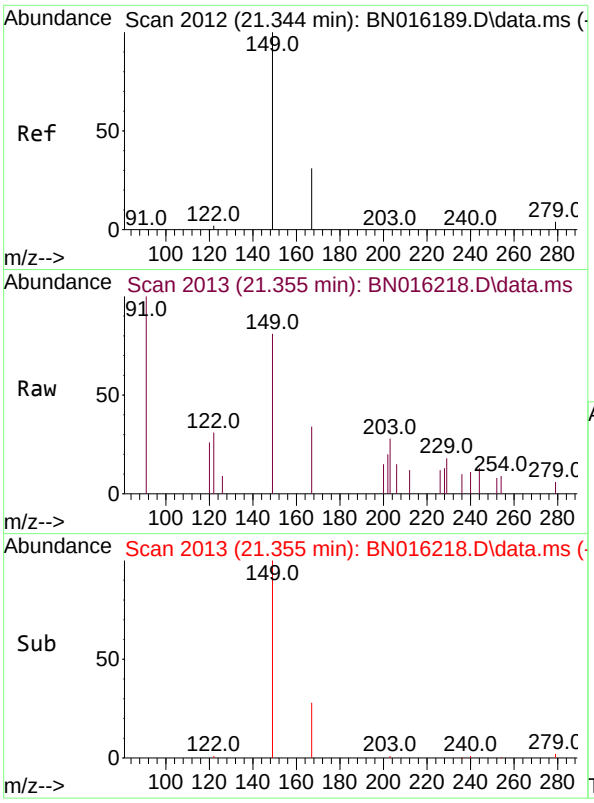
#33
Chrysene
Concen: 0.357 ng
RT: 21.493 min Scan# 2026
Delta R.T. 0.021 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:228 Resp: 132493

Ion	Ratio	Lower	Upper
228	100		
226	40.4	22.5	33.7#
229	42.1	16.0	24.0#



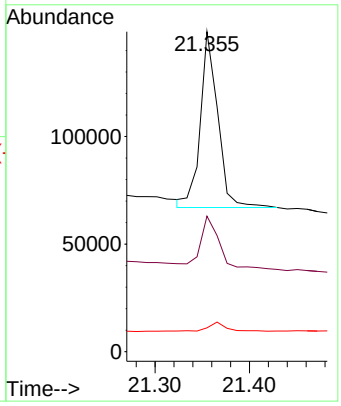
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

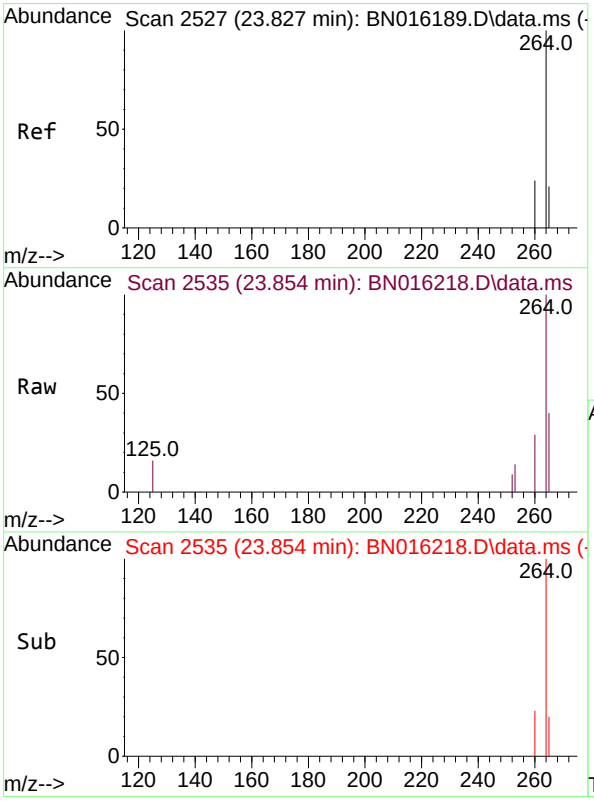


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.408 ng
RT: 21.355 min Scan# 2013
Delta R.T. 0.011 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:149 Resp: 104873

Ion	Ratio	Lower	Upper
149	100		
167	31.9	24.2	36.4
279	5.1	4.0	6.0

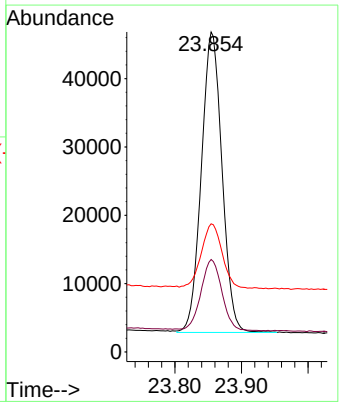


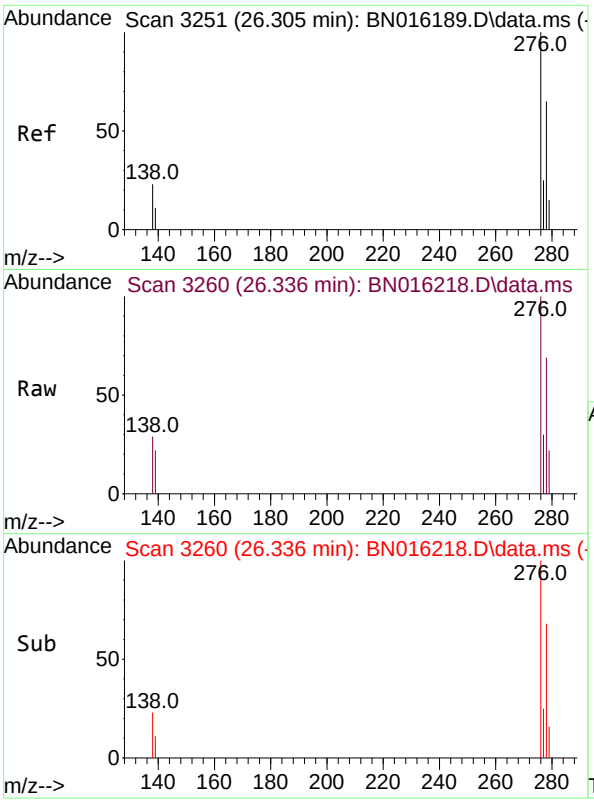


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.854 min Scan# 2535
Delta R.T. 0.028 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:264 Resp: 94638

Ion	Ratio	Lower	Upper
264	100		
260	28.9	19.5	29.3
265	40.0	20.2	30.2#

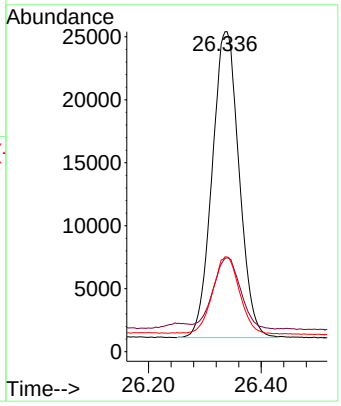




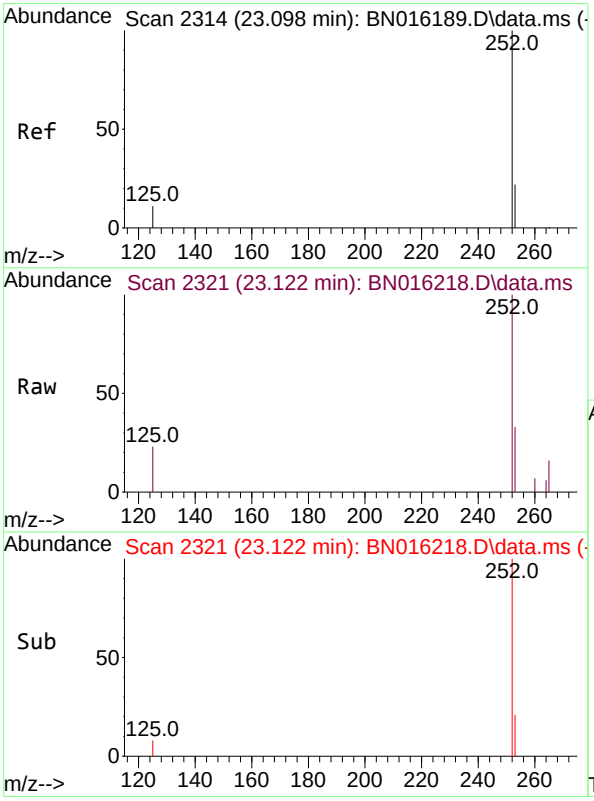
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.306 ng
RT: 26.336 min Scan# 3260
Delta R.T. 0.031 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:276 Resp: 80443

Ion	Ratio	Lower	Upper
276	100		
138	24.0	19.5	29.3
277	25.3	20.2	30.4



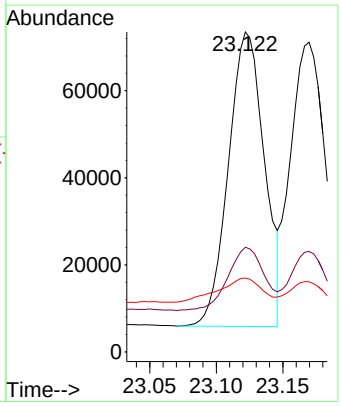
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

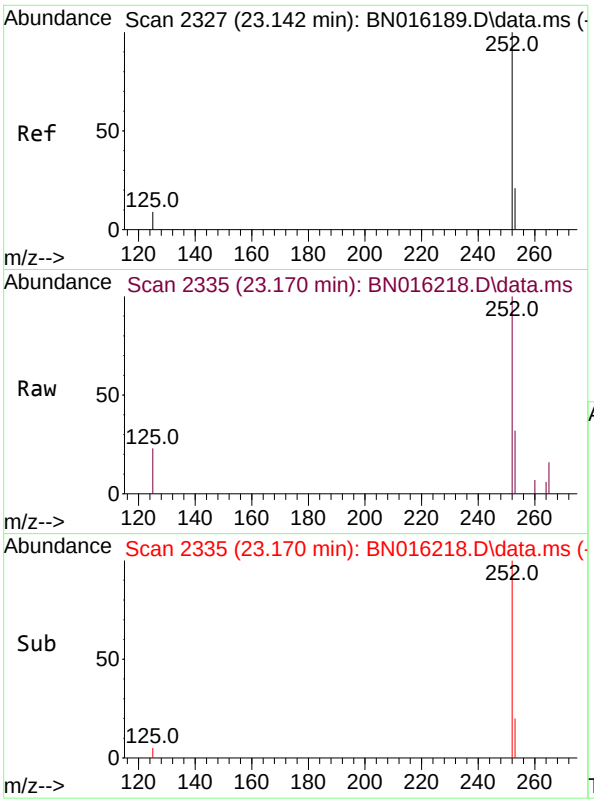


#37
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 23.122 min Scan# 2321
Delta R.T. 0.024 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:252 Resp: 127171

Ion	Ratio	Lower	Upper
252	100		
253	32.7	18.6	27.8#
125	23.1	10.5	15.7#

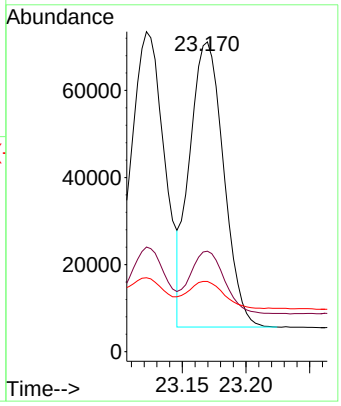




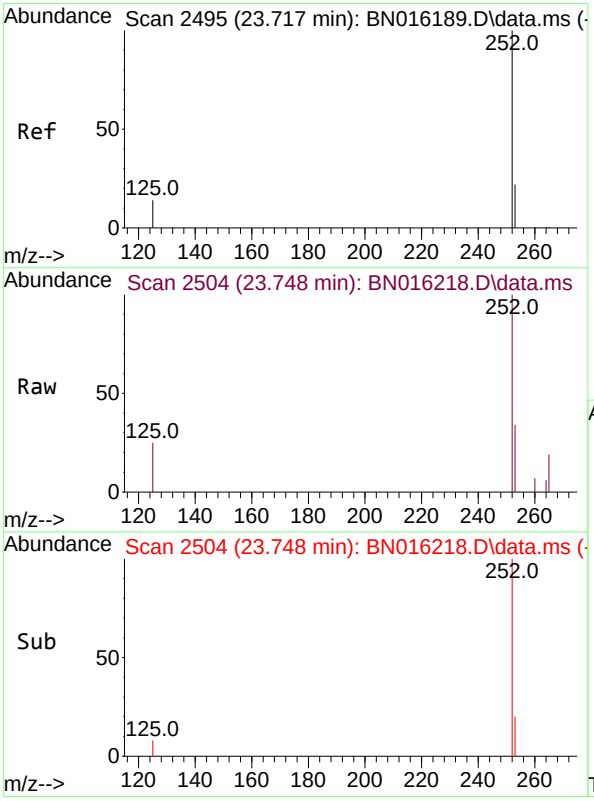
#38
Benzo(k)fluoranthene
Concen: 0.411 ng
RT: 23.170 min Scan# 2335
Delta R.T. 0.028 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:252 Resp: 121660

Ion	Ratio	Lower	Upper
252	100		
253	32.4	18.2	27.2#
125	22.7	9.1	13.7#



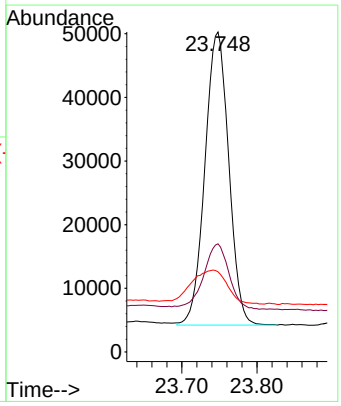
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

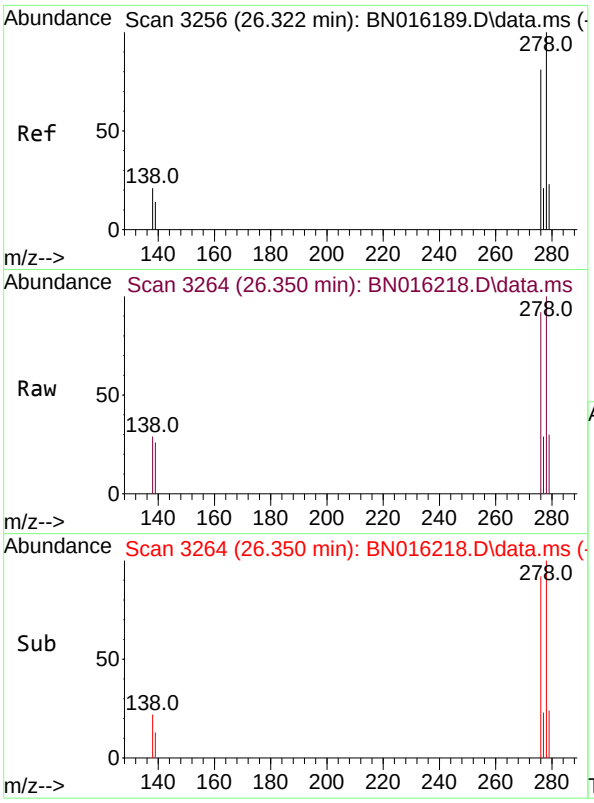


#39
Benzo(a)pyrene
Concen: 0.353 ng
RT: 23.748 min Scan# 2504
Delta R.T. 0.031 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:252 Resp: 101361

Ion	Ratio	Lower	Upper
252	100		
253	33.8	19.0	28.4#
125	25.0	12.6	19.0#

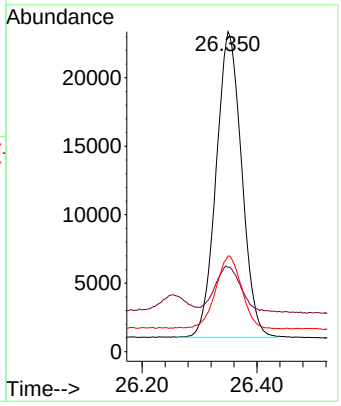


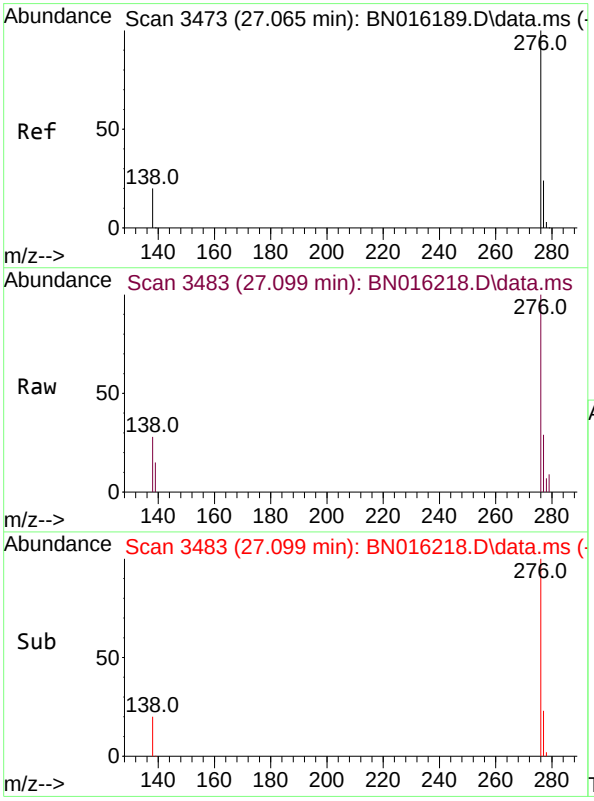


#40
Dibenzo(a,h)anthracene
Concen: 0.312 ng
RT: 26.350 min Scan# 3264
Delta R.T. 0.028 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:278 Resp: 68659

Ion	Ratio	Lower	Upper
278	100		
139	26.3	14.0	21.0#
279	29.9	20.2	30.2

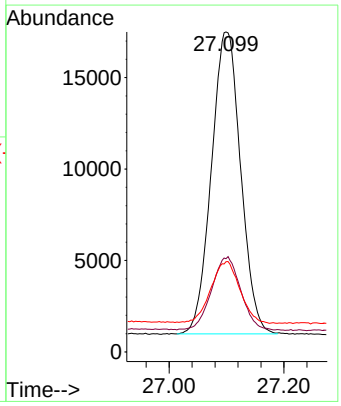




#41
Benzo(g,h,i)perylene
Concen: 0.264 ng
RT: 27.099 min Scan# 3483
Delta R.T. 0.034 min
Lab File: BN016218.D
Acq: 05 Sep 2021 07:22

Tgt Ion:276 Resp: 58472

Ion	Ratio	Lower	Upper
276	100		
277	29.2	20.3	30.5
138	28.2	17.5	26.3#



Instrument :
BNA_N
ClientSampleId :
VE4-11MSD