Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090921\
Data File : BN016282.D
Acq On : 10 Sep 2021 07:32
Operator : CG/JU
Sample : M3561-24MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : VE4-11MSD

Quant Time: Sep 10 08:07:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 09 15:19:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	13277	0.400	ng	0.00
7) Naphthalene-d8	10.660	136	67603	0.400	ng	# 0.00
13) Acenaphthene-d10	14.497	164	50755	0.400	ng	0.00
19) Phenanthrene-d10	17.249	188	89895	0.400	ng	# 0.01
29) Chrysene-d12	21.451	240	92680	0.400	ng	# 0.02
35) Perylene-d12	23.847	264	52406	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.476	112	6004	0.177	ng	0.02
5) Phenol-d6	7.052	99	4888	0.115	ng	0.02
8) Nitrobenzene-d5	9.013	82	19749	0.364	ng	0.00
11) 2-Methylnaphthalene-d10	12.247	152	36822	0.349	ng	0.00
14) 2,4,6-Tribromophenol	15.994	330	7819	0.375	ng	0.01
15) 2-Fluorobiphenyl	13.114	172	52775	0.266	ng	0.00
27) Fluoranthene-d10	19.291	212	80598	0.305	ng	0.02
31) Terphenyl-d14	19.887	244	90882	0.391	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.383	88	978	0.208	ng	# 24
6) bis(2-Chloroethyl)ether	7.292	93	12154	0.348	ng	96
9) Naphthalene	10.711	128	62376	0.345	ng	# 94
10) Hexachlorobutadiene	10.990	225	10938	0.297	ng	# 100
12) 2-Methylnaphthalene	12.319	142	47165	0.388	ng	# 91
16) Acenaphthylene	14.205	152	72097	0.317	ng	# 80
17) Acenaphthene	14.548	154	38569	0.262	ng	95
18) Fluorene	15.538	166	53597	0.294	ng	94
20) 4,6-Dinitro-2-methylph...	15.639	198	3526	0.910	ng	# 1
21) 4-Bromophenyl-phenylether	16.434	248	16366	0.340	ng	# 51
22) Hexachlorobenzene	16.555	284	16813	0.292	ng	# 79
23) Atrazine	16.713	200	11387	0.258	ng	# 1
24) Pentachlorophenol	16.920	266	23137	1.882	ng	98
25) Phenanthrene	17.285	178	99657	0.382	ng	# 80
26) Anthracene	17.383	178	167490	0.697	ng	# 96
28) Fluoranthene	19.321	202	104032	0.339	ng	99
30) Pyrene	19.689	202	135567	0.432	ng	95
32) Benzo(a)anthracene	21.429	228	99093	0.343	ng	# 61
33) Chrysene	21.482	228	105748	0.369	ng	# 64
34) Bis(2-ethylhexyl)phtha...	21.355	149	88156	0.496	ng	97
36) Indeno(1,2,3-cd)pyrene	26.319	276	33882	0.388	ng	100
37) Benzo(b)fluoranthene	23.115	252	85041	0.420	ng	# 71
38) Benzo(k)fluoranthene	23.163	252	79915	0.443	ng	# 71
39) Benzo(a)pyrene	23.734	252	55855	0.371	ng	# 61
40) Dibenzo(a,h)anthracene	26.332	278	29187	0.438	ng	# 68
41) Benzo(g,h,i)perylene	27.082	276	23154	0.320	ng	# 75

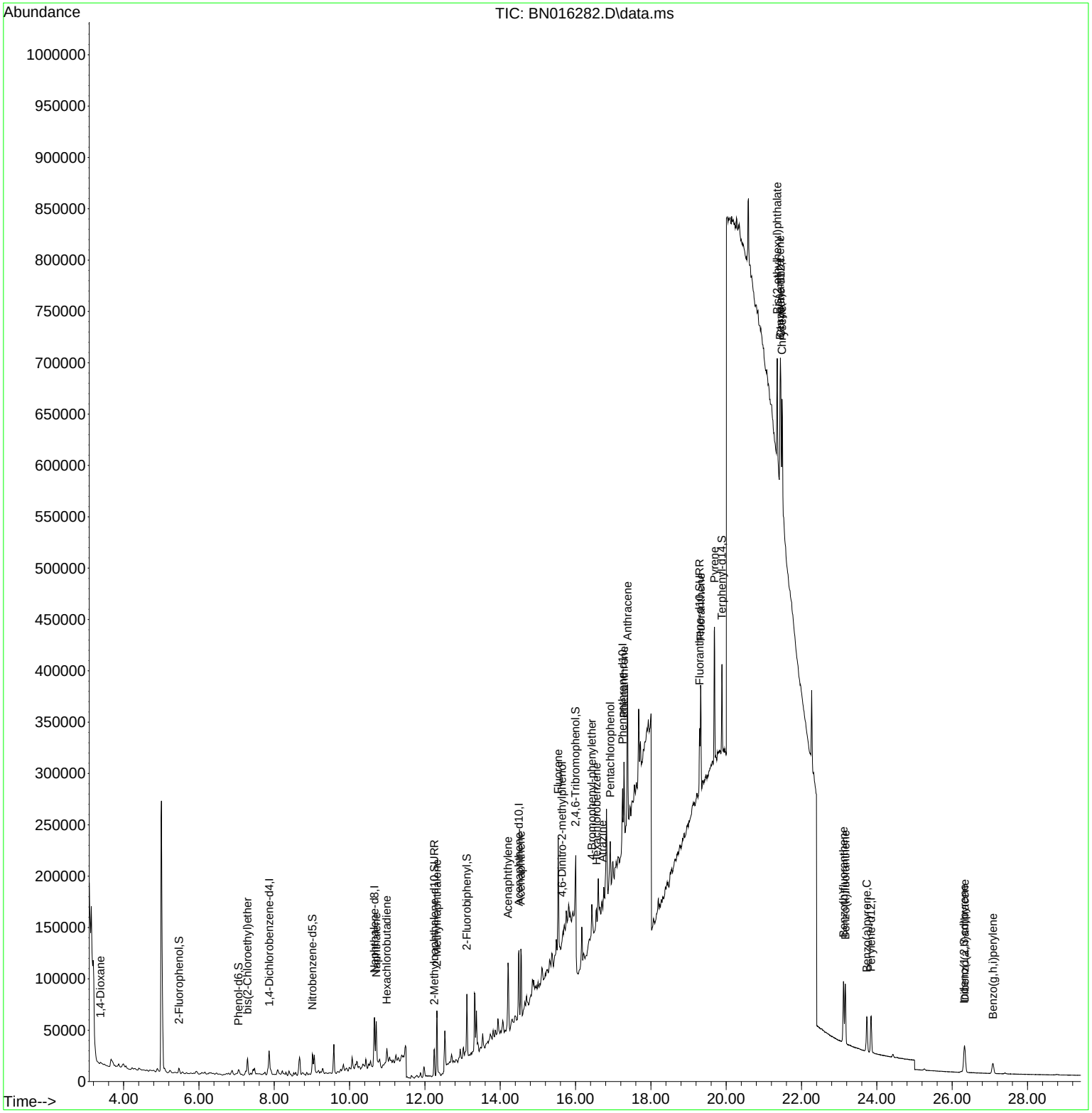
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

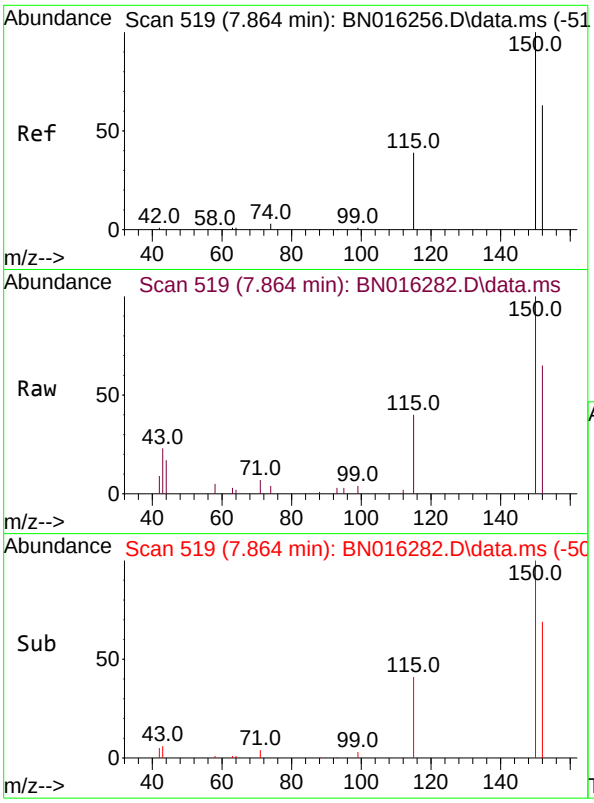
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090921\
Data File : BN016282.D
Acq On : 10 Sep 2021 07:32
Operator : CG/JU
Sample : M3561-24MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

Quant Time: Sep 10 08:07:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 09 15:19:08 2021
Response via : Initial Calibration



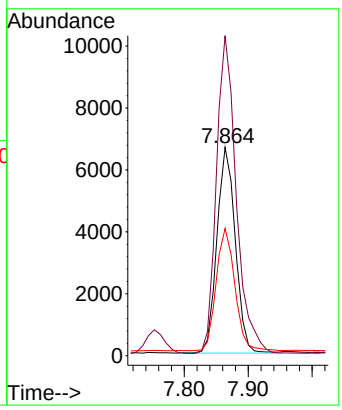
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

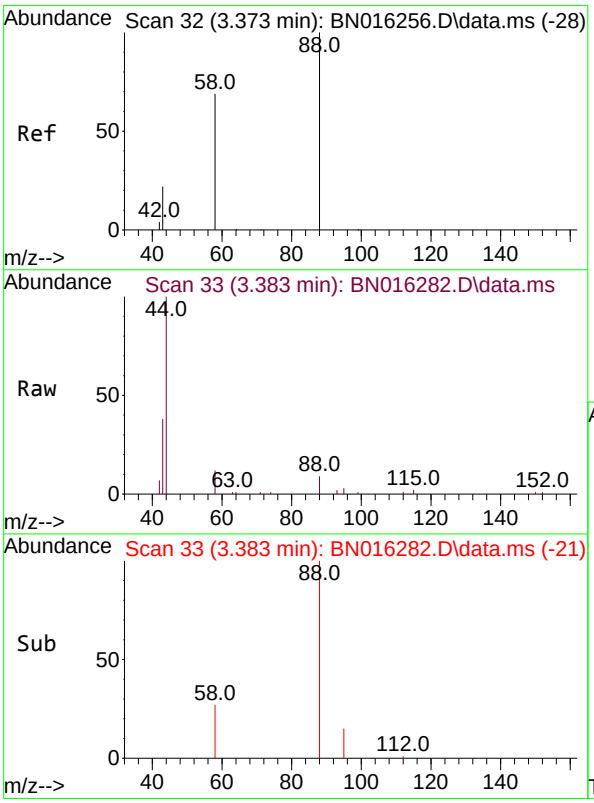


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.864 min Scan# 519
Delta R.T. -0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:152 Resp: 13277

Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.6	188.4
115	61.0	50.2	75.2

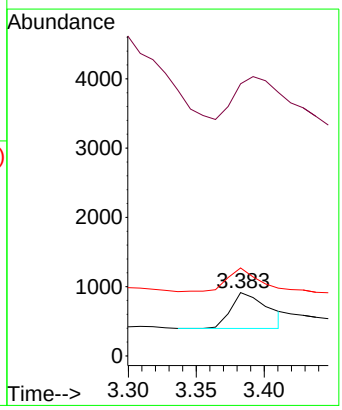


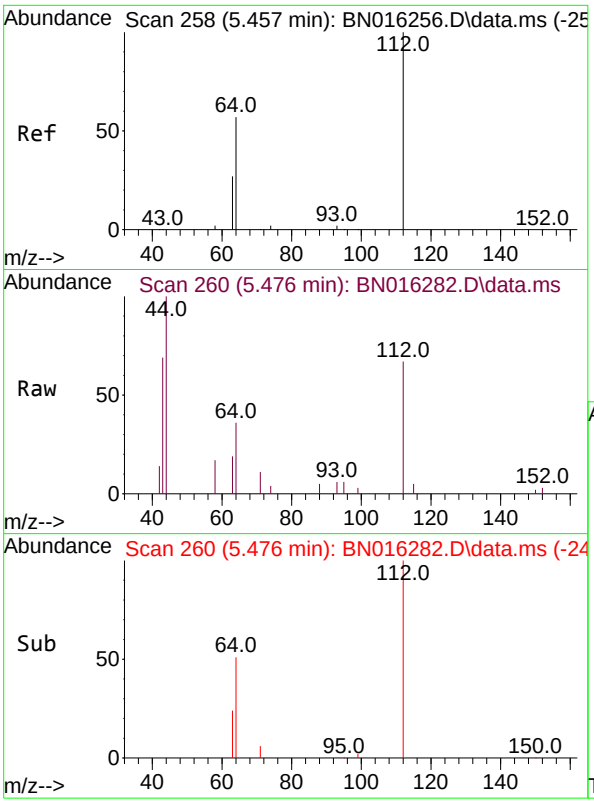


#2
1,4-Dioxane
Concen: 0.208 ng
RT: 3.383 min Scan# 33
Delta R.T. 0.009 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion: 88 Resp: 978

Ion	Ratio	Lower	Upper
88	100		
43	128.4	20.3	30.5#
58	51.3	69.9	104.9#

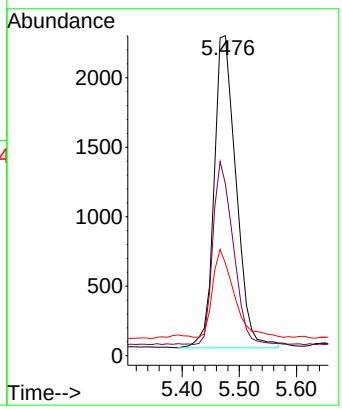




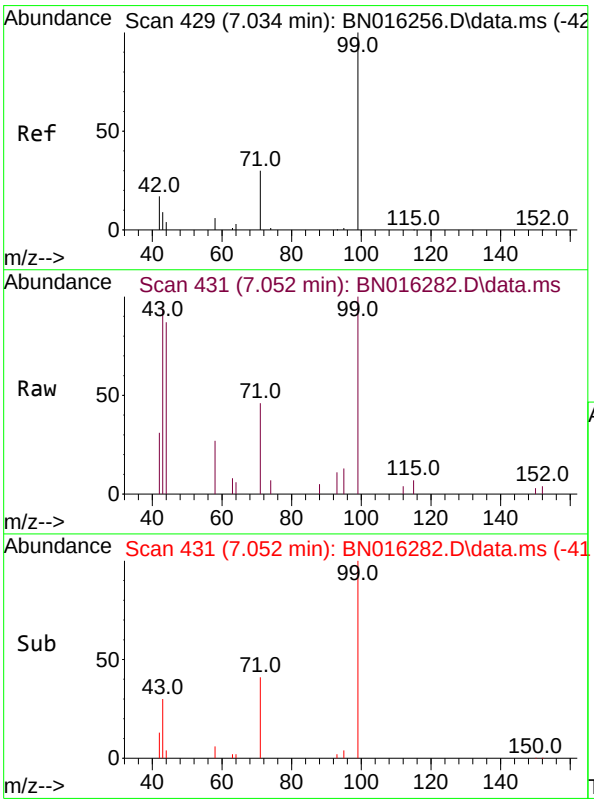
#4
2-Fluorophenol
Concen: 0.177 ng
RT: 5.476 min Scan# 260
Delta R.T. 0.019 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:112 Resp: 6004

Ion	Ratio	Lower	Upper
112	100		
64	53.8	47.3	70.9
63	27.0	23.4	35.0



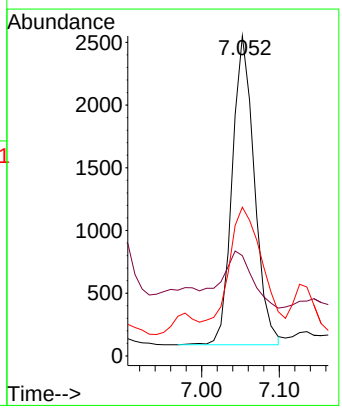
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

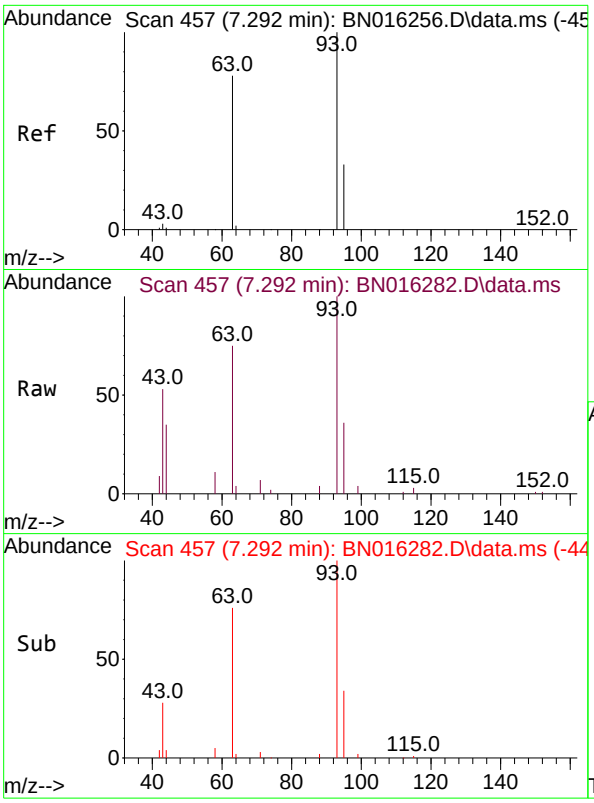


#5
Phenol-d6
Concen: 0.115 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.019 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion: 99 Resp: 4888

Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.0	21.0#
71	52.7	23.8	35.6#

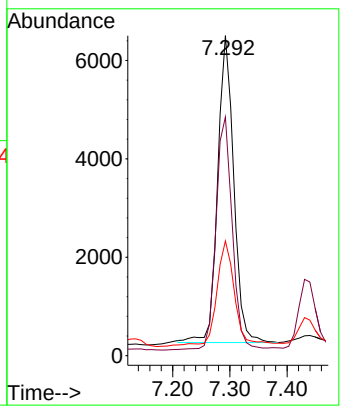




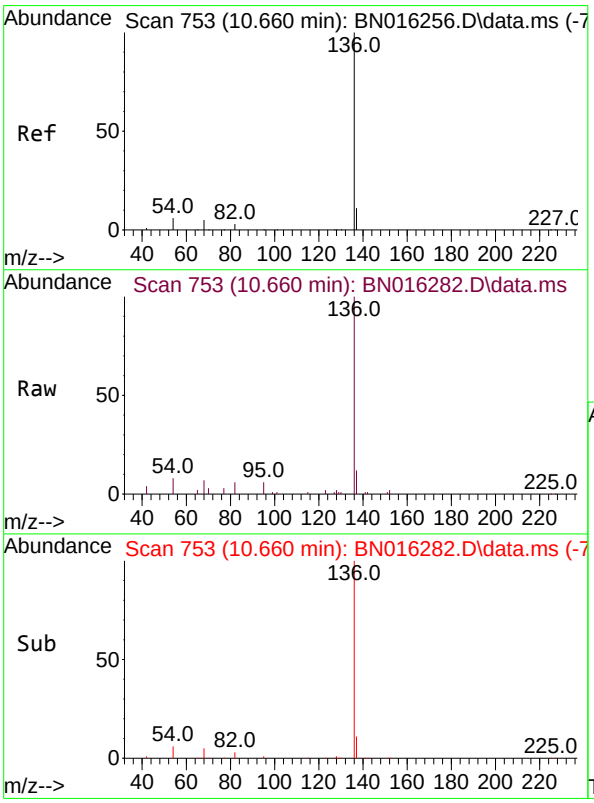
#6
bis(2-Chloroethyl)ether
Concen: 0.348 ng
RT: 7.292 min Scan# 457
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion: 93 Resp: 12154

Ion	Ratio	Lower	Upper
93	100		
63	76.6	63.4	95.0
95	36.8	26.8	40.2



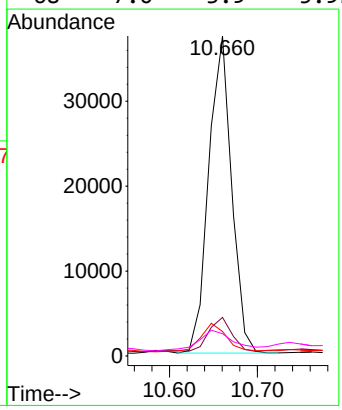
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



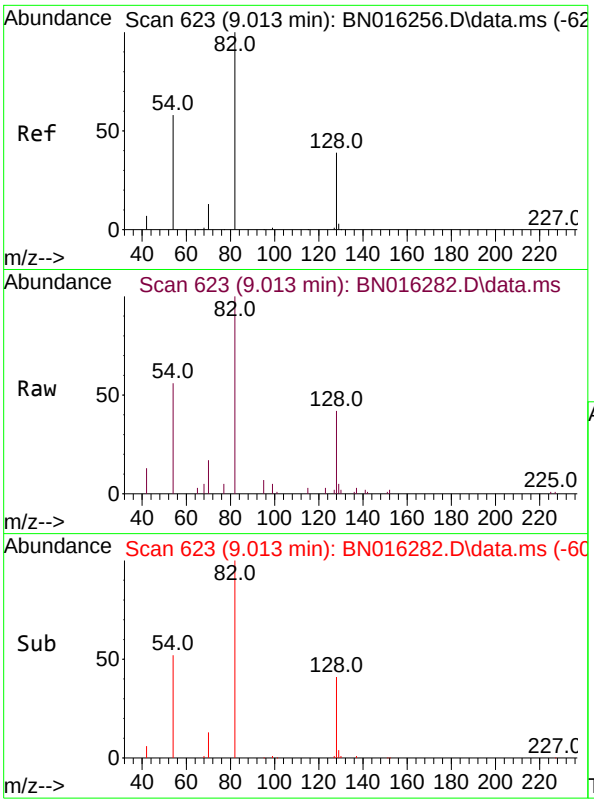
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.660 min Scan# 753
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:136 Resp: 67603

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.8	13.2
54	7.7	5.3	7.9
68	7.0	3.9	5.9#



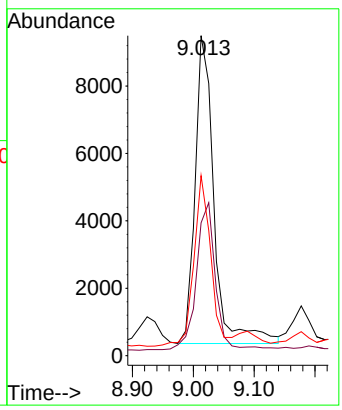
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

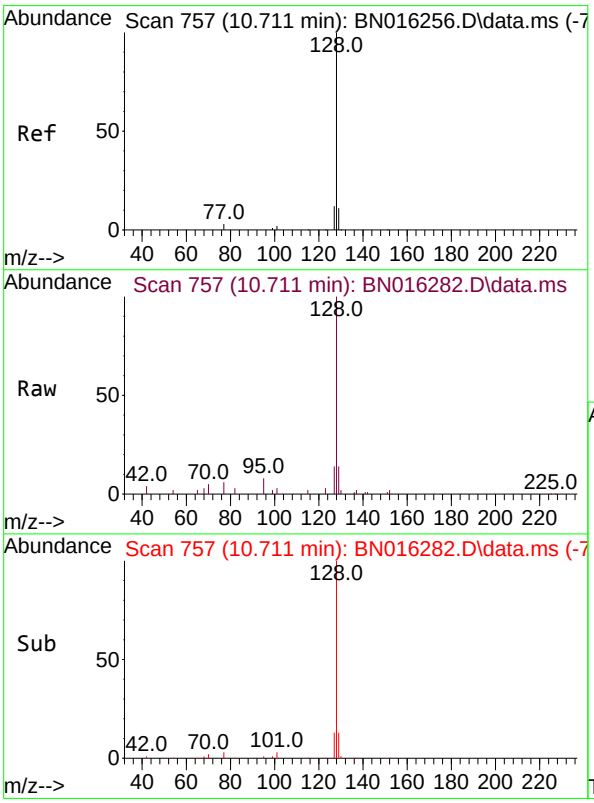


#8
Nitrobenzene-d5
Concen: 0.364 ng
RT: 9.013 min Scan# 623
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion: 82 Resp: 19749

Ion	Ratio	Lower	Upper
82	100		
128	41.5	31.7	47.5
54	56.2	46.4	69.6

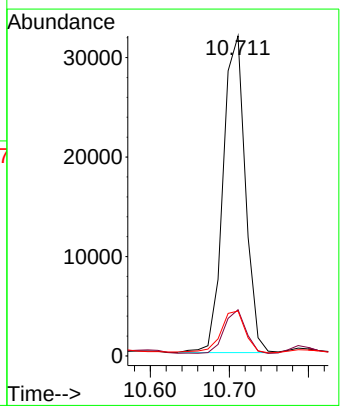


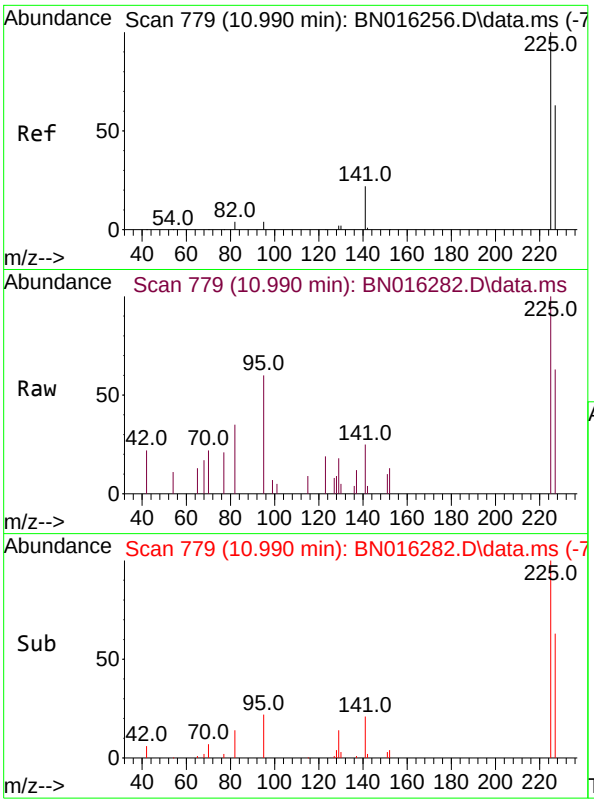


#9
Naphthalene
Concen: 0.345 ng
RT: 10.711 min Scan# 757
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:128 Resp: 62376

Ion	Ratio	Lower	Upper
128	100		
129	14.5	8.9	13.3#
127	14.1	10.1	15.1

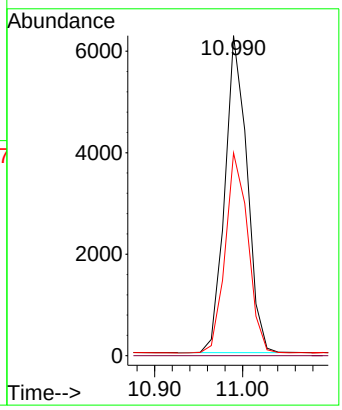




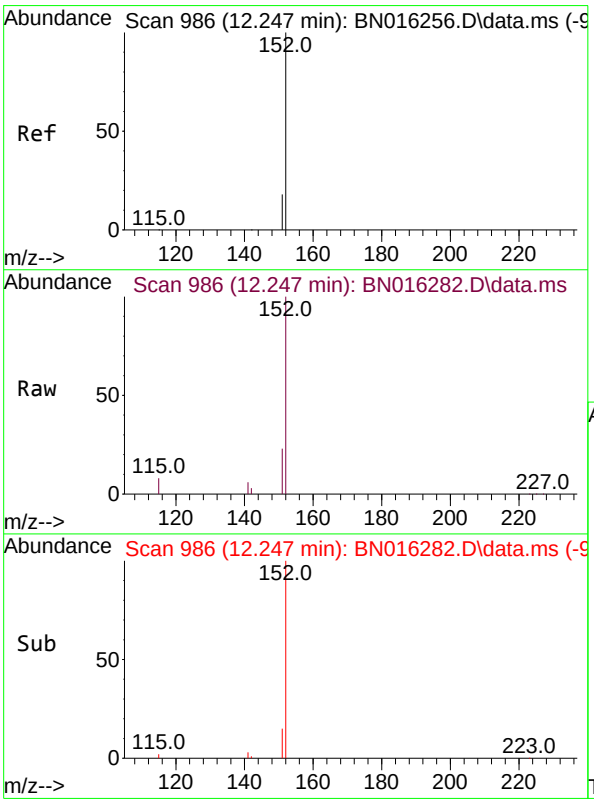
#10
Hexachlorobutadiene
Concen: 0.297 ng
RT: 10.990 min Scan# 779
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:225 Resp: 10938

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.5	77.3



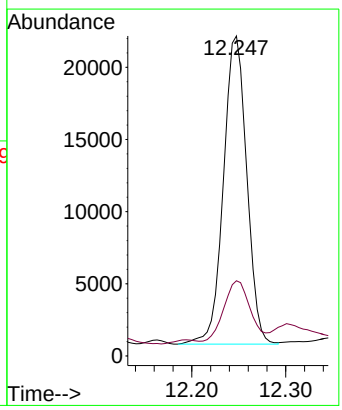
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



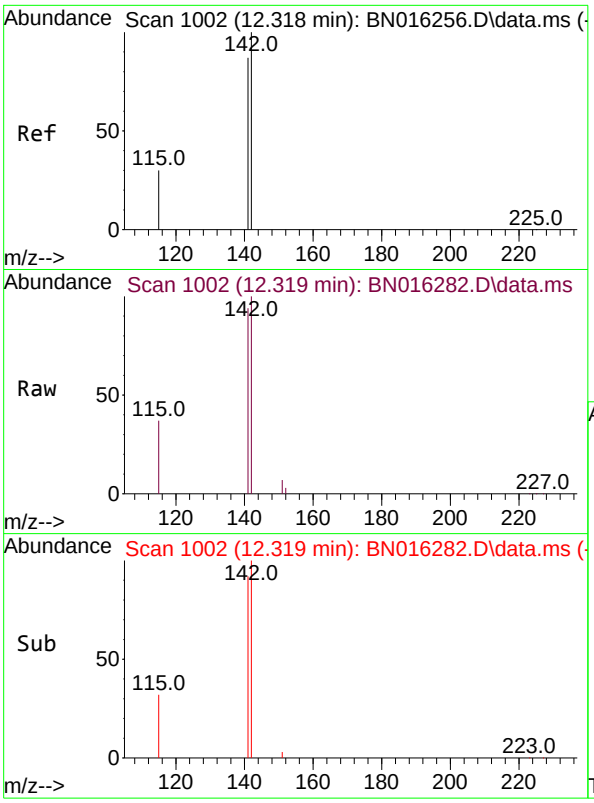
#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.247 min Scan# 986
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:152 Resp: 36822

Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.1	24.1



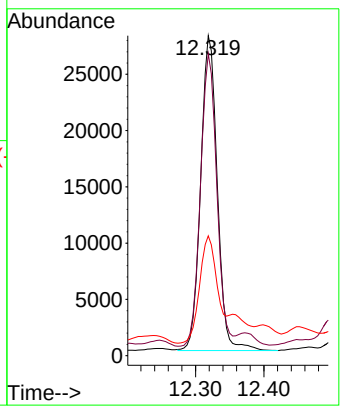
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

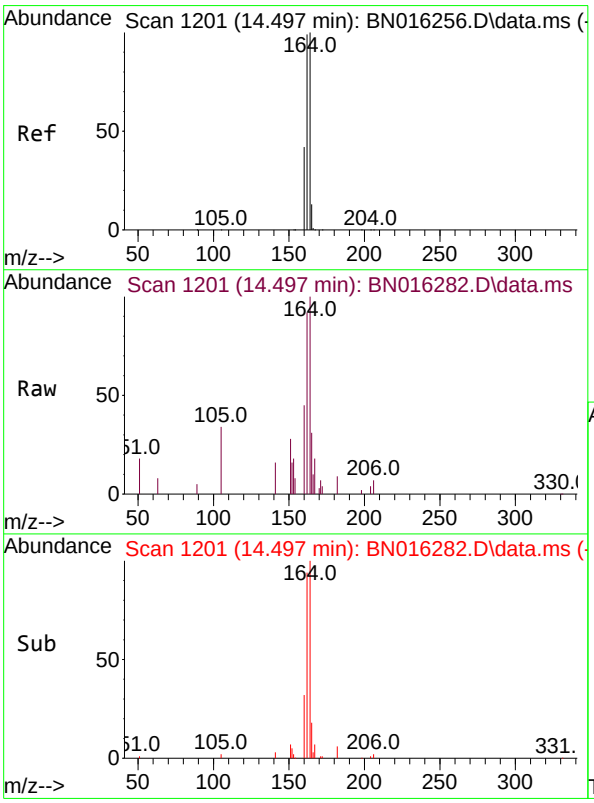


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 12.319 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:142 Resp: 47165

Ion	Ratio	Lower	Upper
142	100		
141	94.3	69.8	104.8
115	37.4	24.4	36.6#

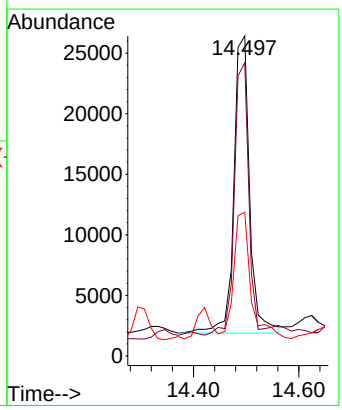




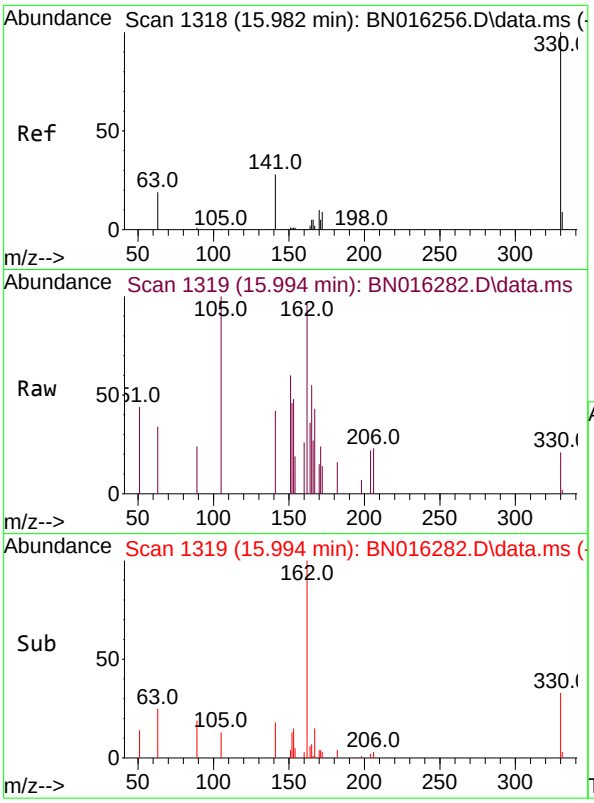
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.497 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:164 Resp: 50755

Ion	Ratio	Lower	Upper
164	100		
162	91.6	79.0	118.4
160	44.9	34.1	51.1



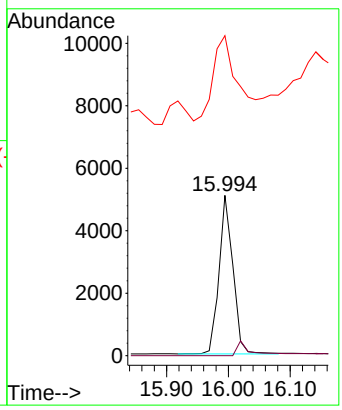
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

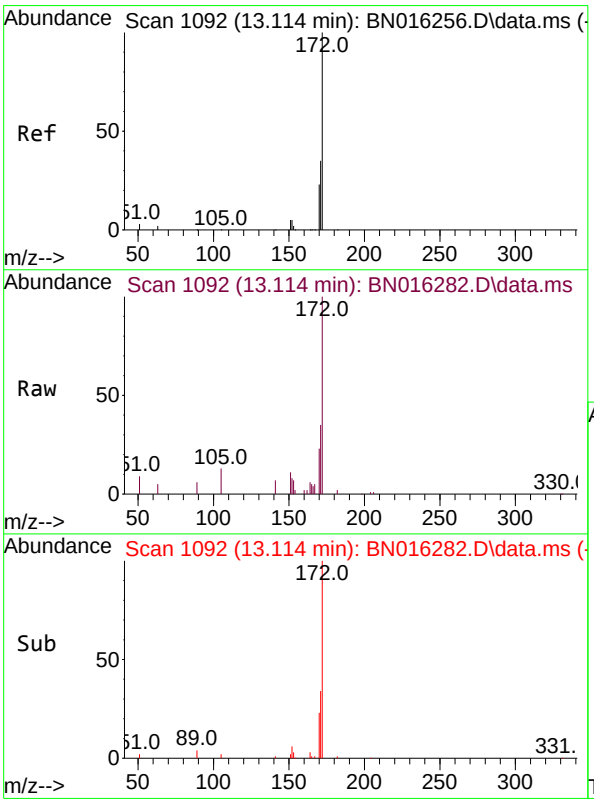


#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.994 min Scan# 1319
Delta R.T. 0.013 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:330 Resp: 7819

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	94.9	25.0	37.4#

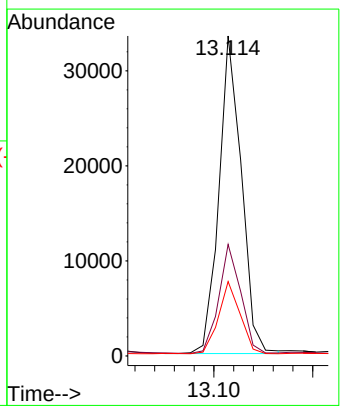


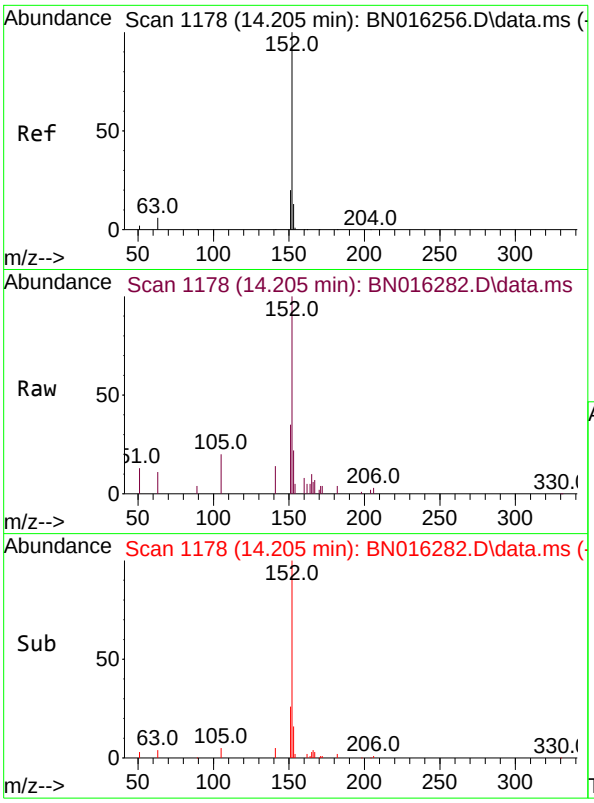


#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 13.114 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:172 Resp: 52775

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.2	18.2	27.2

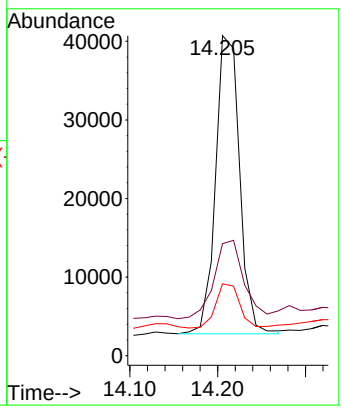




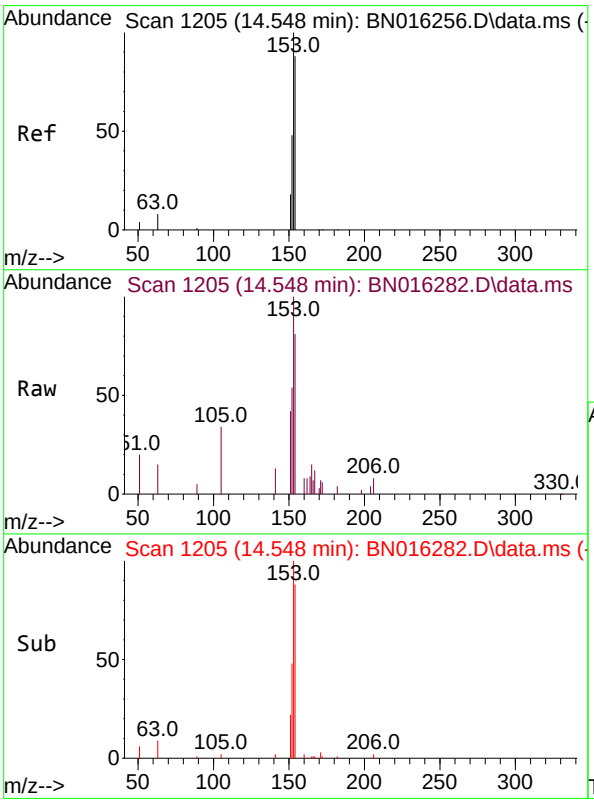
#16
Acenaphthylene
Concen: 0.317 ng
RT: 14.205 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:152 Resp: 72097

Ion	Ratio	Lower	Upper
152	100		
151	32.7	15.2	22.8#
153	14.8	10.5	15.7



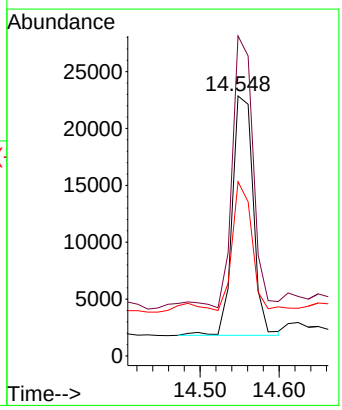
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



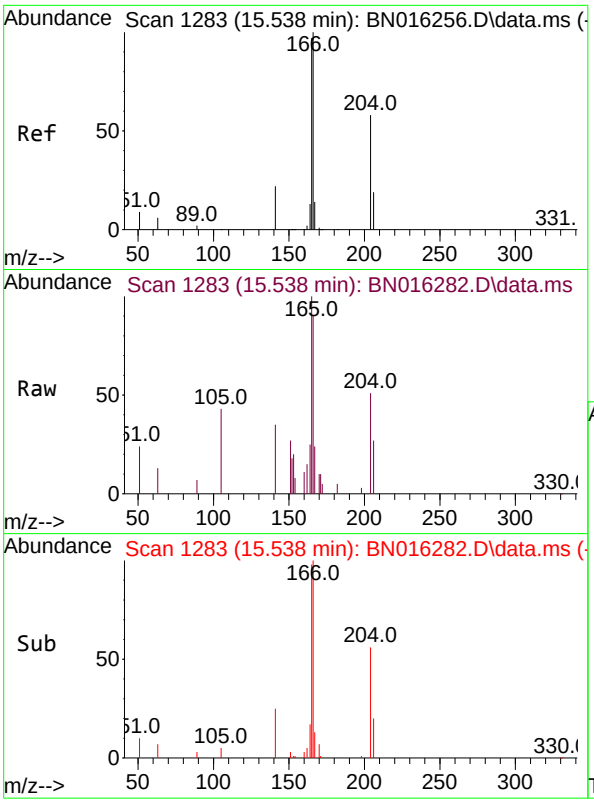
#17
Acenaphthene
Concen: 0.262 ng
RT: 14.548 min Scan# 1205
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:154 Resp: 38569

Ion	Ratio	Lower	Upper
154	100		
153	107.7	89.3	133.9
152	47.3	42.2	63.4



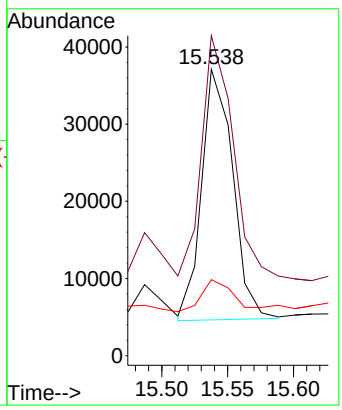
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

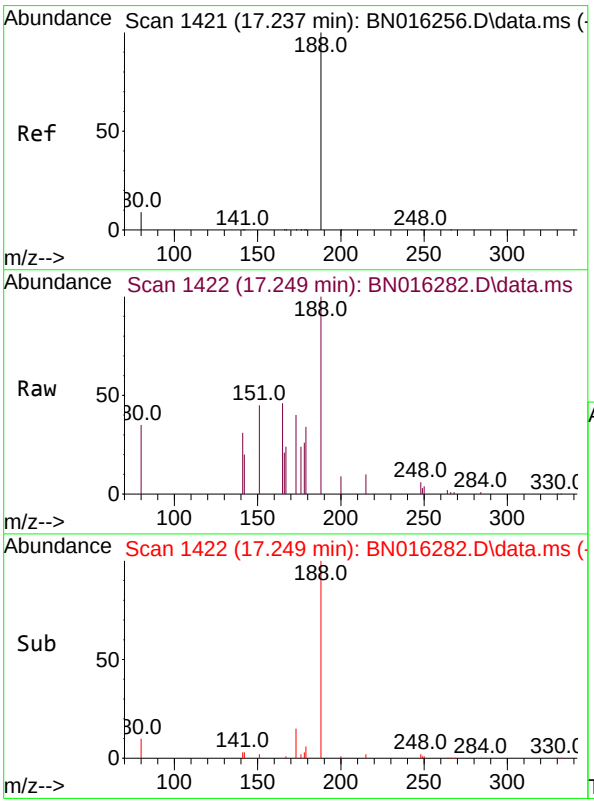


#18
Fluorene
Concen: 0.294 ng
RT: 15.538 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:166 Resp: 53597

Ion	Ratio	Lower	Upper
166	100		
165	102.6	76.7	115.1
167	13.1	10.9	16.3

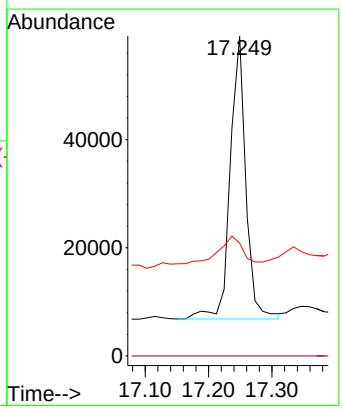


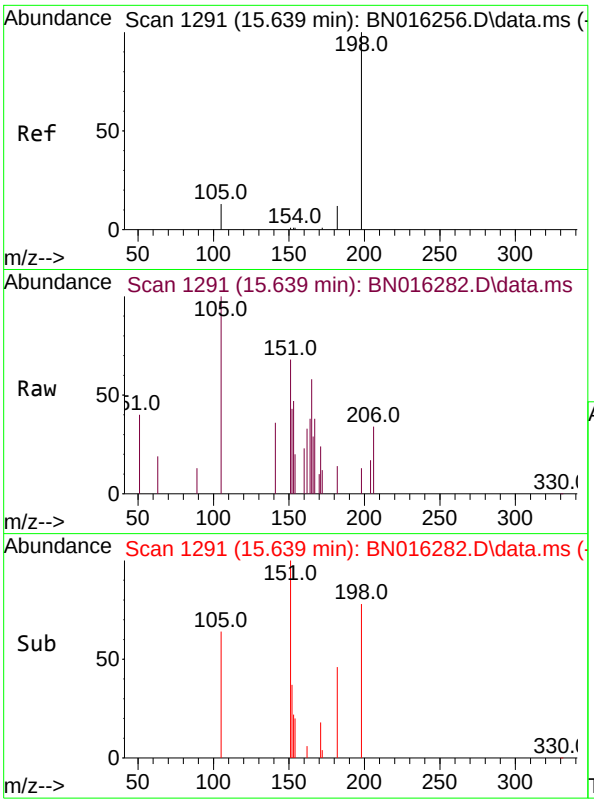


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.249 min Scan# 1422
Delta R.T. 0.012 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:188 Resp: 89895

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	35.2	7.0	10.6#

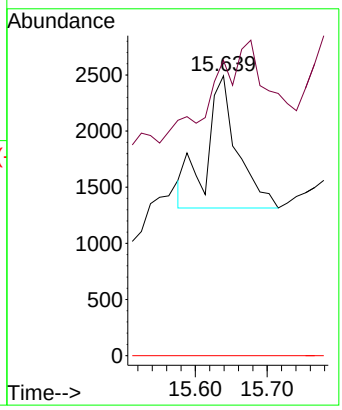




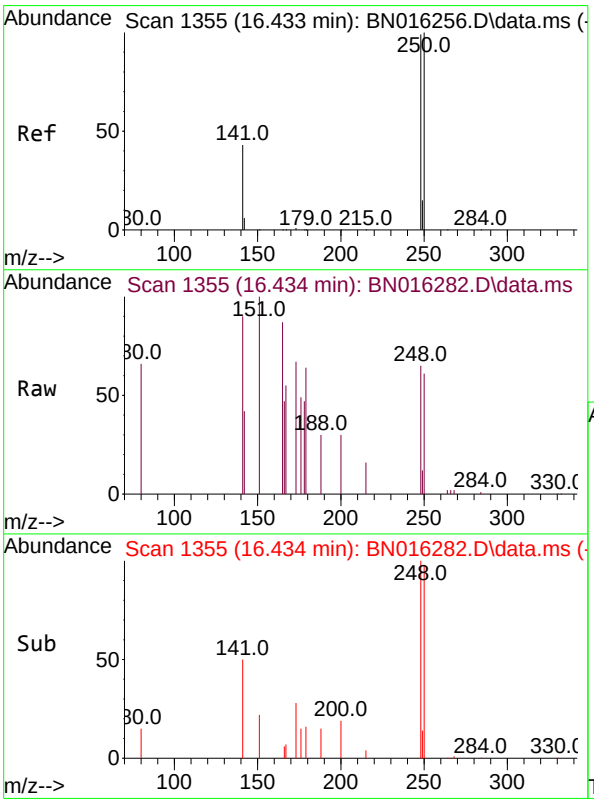
#20
4,6-Dinitro-2-methylphenol
Concen: 0.910 ng
RT: 15.639 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:198 Resp: 3526

Ion	Ratio	Lower	Upper
198	100		
182	105.5	26.6	39.8#
77	0.0	0.0	0.0



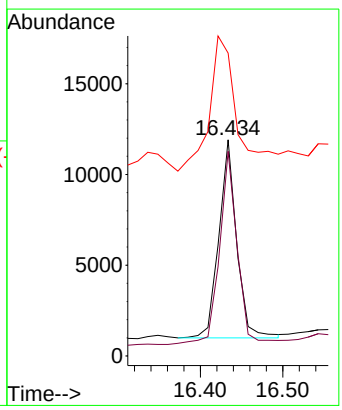
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



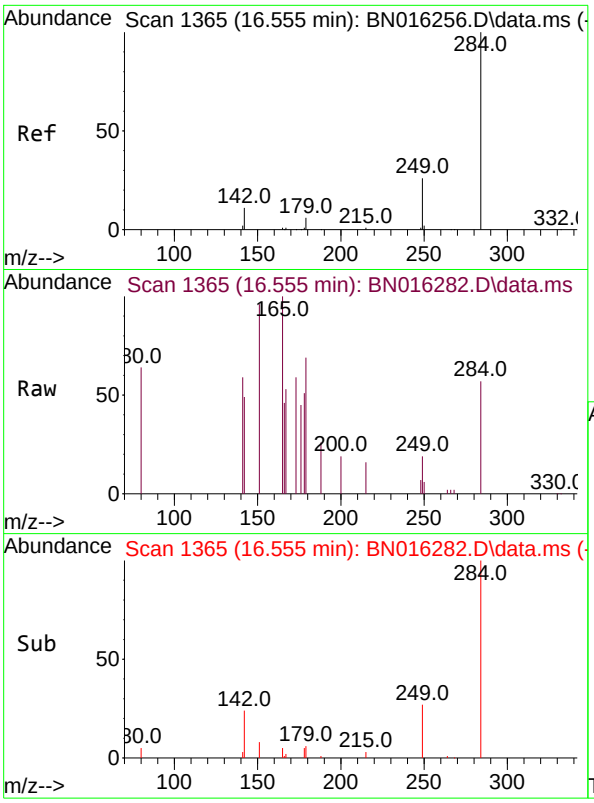
#21
4-Bromophenyl-phenylether
Concen: 0.340 ng
RT: 16.434 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:248 Resp: 16366

Ion	Ratio	Lower	Upper
248	100		
250	94.6	80.5	120.7
141	140.1	34.8	52.2#



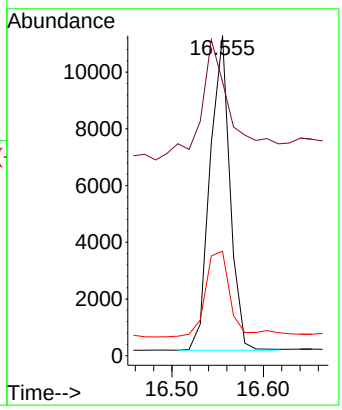
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

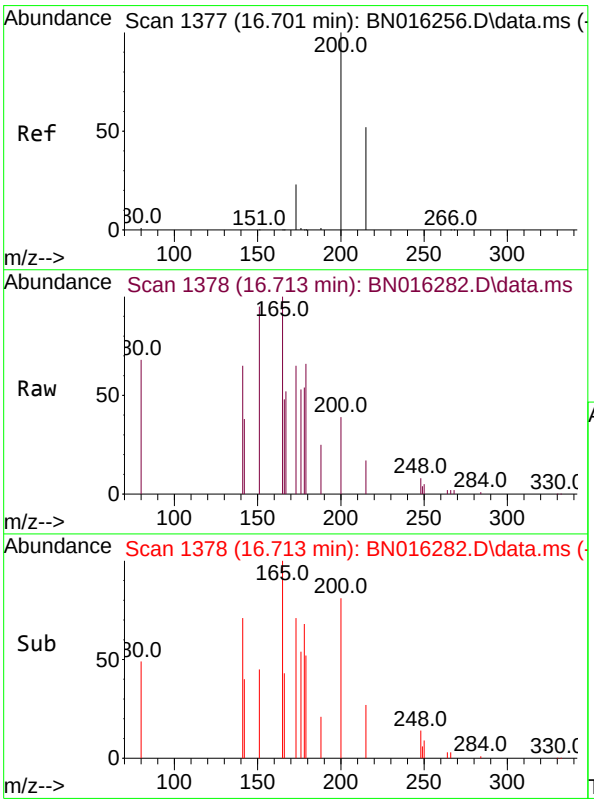


#22
Hexachlorobenzene
Concen: 0.292 ng
RT: 16.555 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:284 Resp: 16813

Ion	Ratio	Lower	Upper
284	100		
142	48.2	22.6	34.0#
249	33.0	24.4	36.6

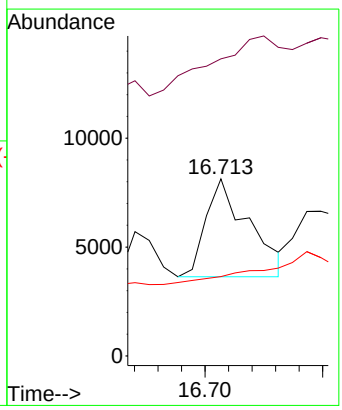




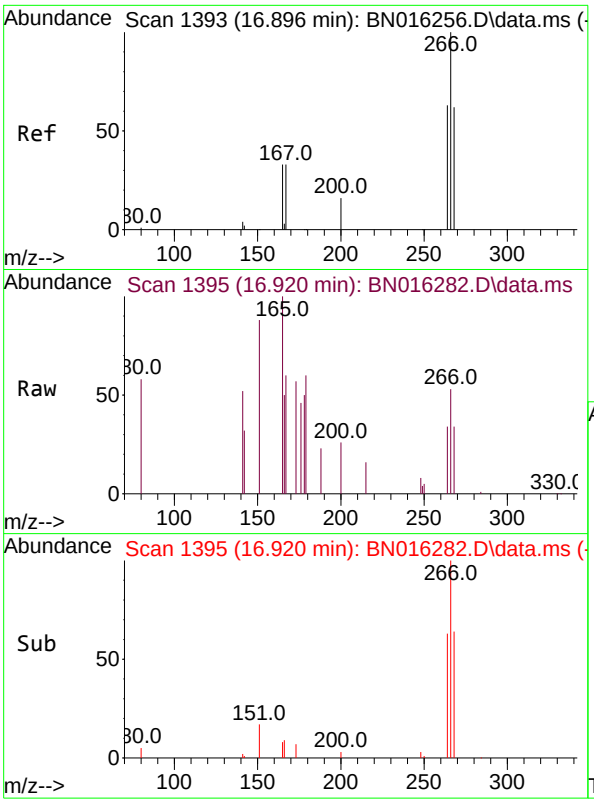
#23
Atrazine
Concen: 0.258 ng
RT: 16.713 min Scan# 1378
Delta R.T. 0.012 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:200 Resp: 11387

Ion	Ratio	Lower	Upper
200	100		
173	167.7	18.7	28.1#
215	44.8	41.6	62.4



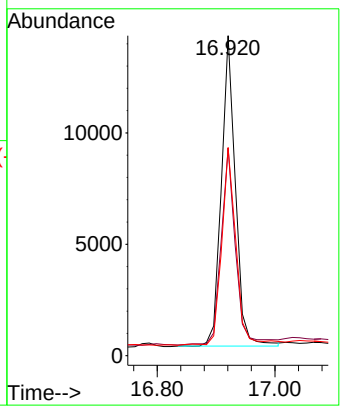
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

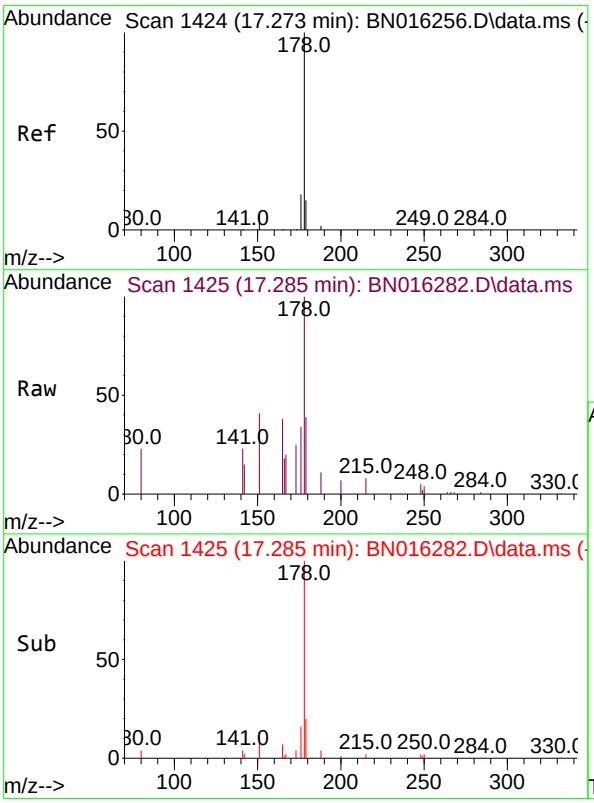


#24
Pentachlorophenol
Concen: 1.882 ng
RT: 16.920 min Scan# 1395
Delta R.T. 0.024 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:266 Resp: 23137

Ion	Ratio	Lower	Upper
266	100		
264	64.7	50.6	75.8
268	63.7	52.6	79.0

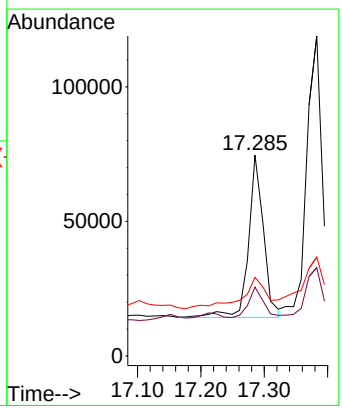




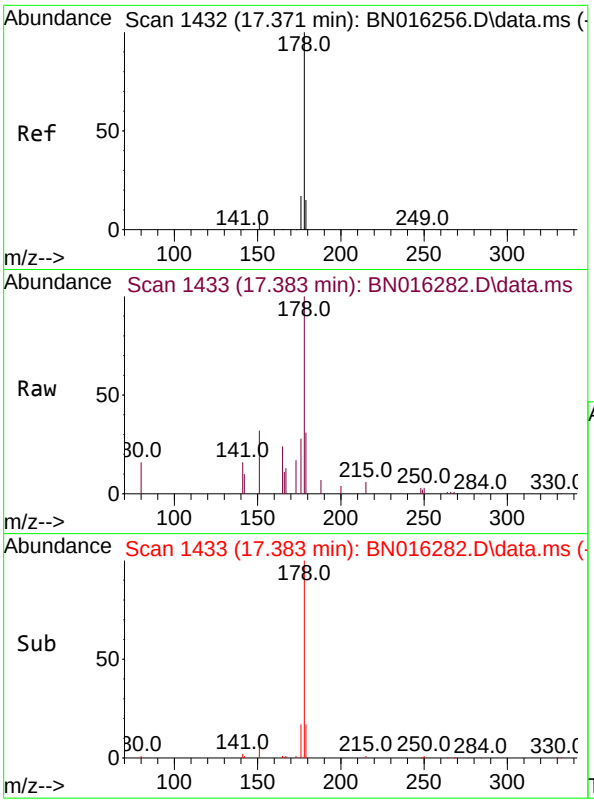
#25
Phenanthrene
Concen: 0.382 ng
RT: 17.285 min Scan# 1425
Delta R.T. 0.012 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:178 Resp: 99657

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.4	21.6
179	32.6	12.2	18.4#



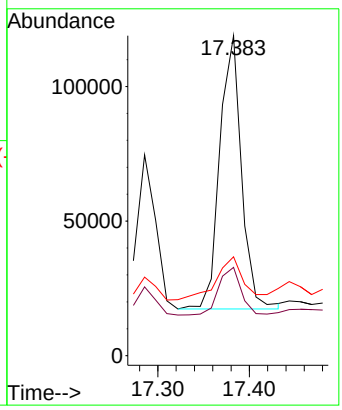
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

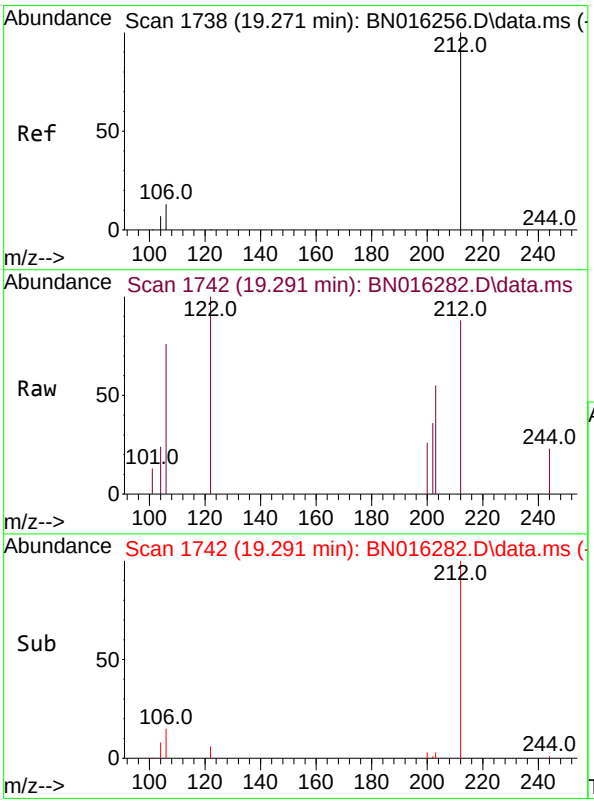


#26
Anthracene
Concen: 0.697 ng
RT: 17.383 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:178 Resp: 167490

Ion	Ratio	Lower	Upper
178	100		
176	18.0	13.9	20.9
179	18.6	12.2	18.4#

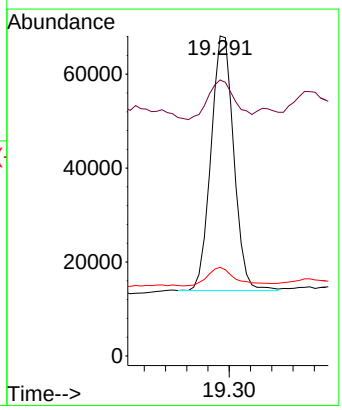


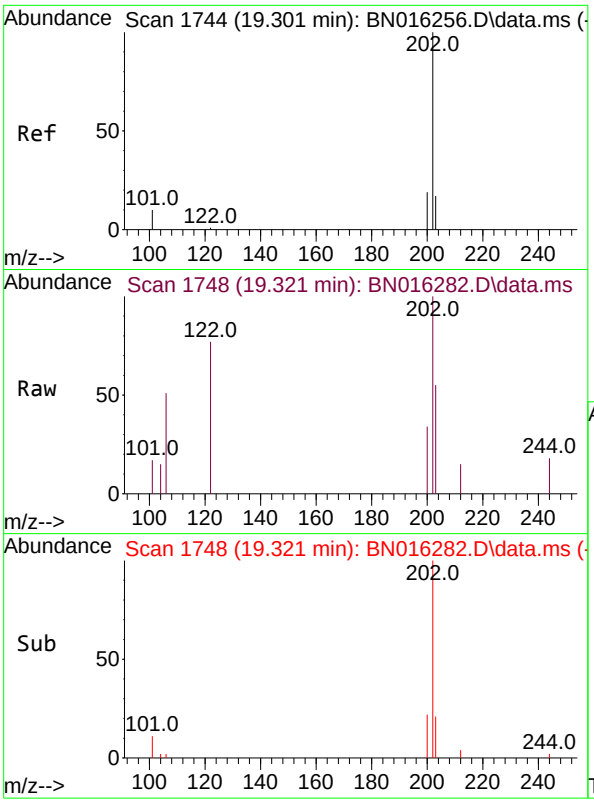


#27
Fluoranthene-d10
Concen: 0.305 ng
RT: 19.291 min Scan# 1742
Delta R.T. 0.020 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:212 Resp: 80598

Ion	Ratio	Lower	Upper
212	100		
106	18.0	9.8	14.6#
104	9.1	5.4	8.2#

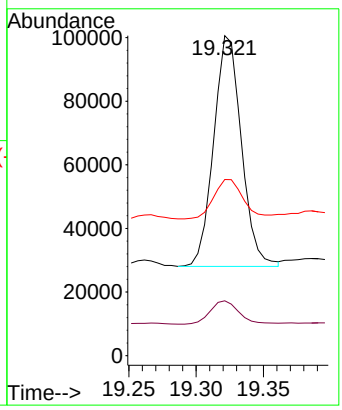




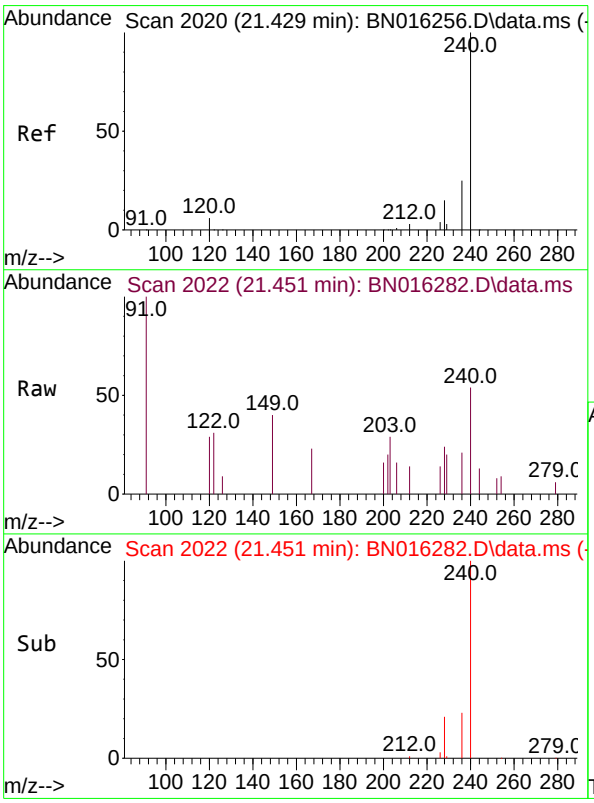
#28
Fluoranthene
Concen: 0.339 ng
RT: 19.321 min Scan# 1748
Delta R.T. 0.020 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:202 Resp: 104032

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.5	12.7
203	18.0	13.8	20.8



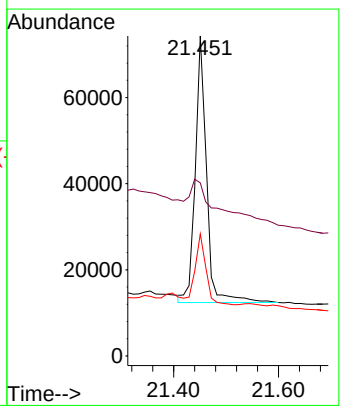
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

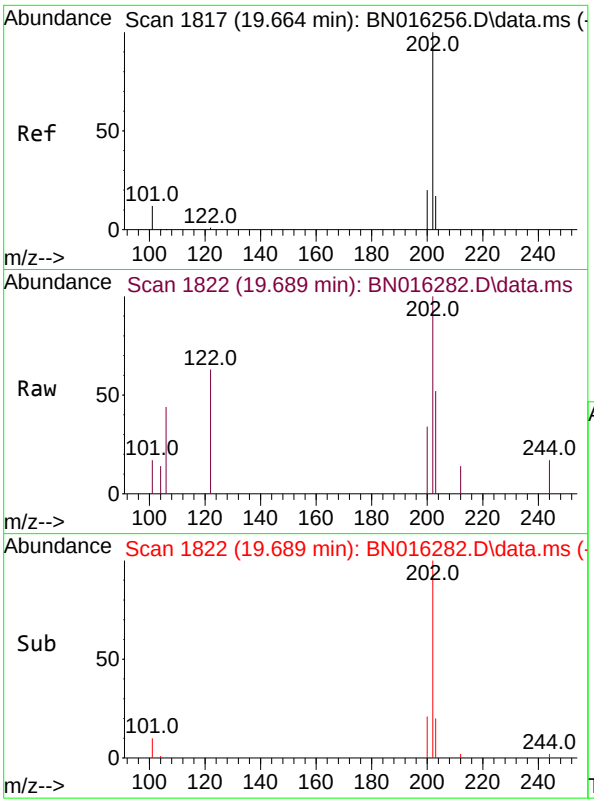


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.451 min Scan# 2022
Delta R.T. 0.021 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:240 Resp: 92680

Ion	Ratio	Lower	Upper
240	100		
120	54.1	5.3	7.9#
236	38.2	19.8	29.8#

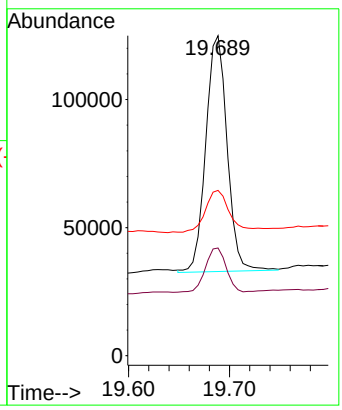




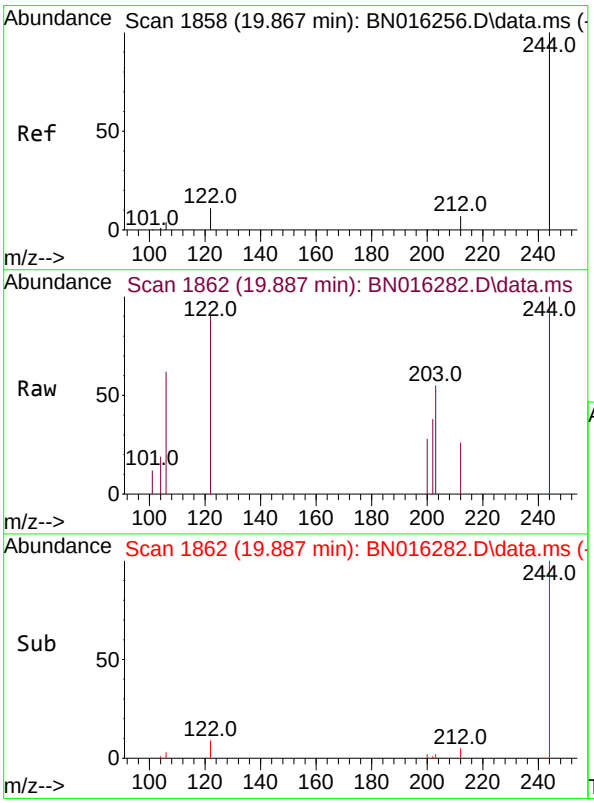
#30
Pyrene
Concen: 0.432 ng
RT: 19.689 min Scan# 1822
Delta R.T. 0.025 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:202 Resp: 135567

Ion	Ratio	Lower	Upper
202	100		
200	18.3	15.8	23.6
203	20.8	13.9	20.9



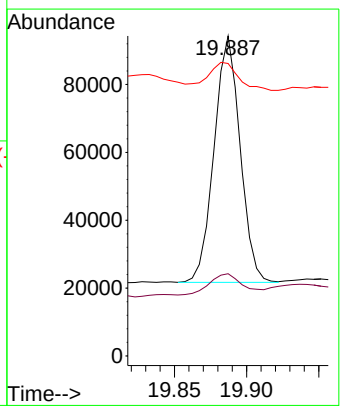
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

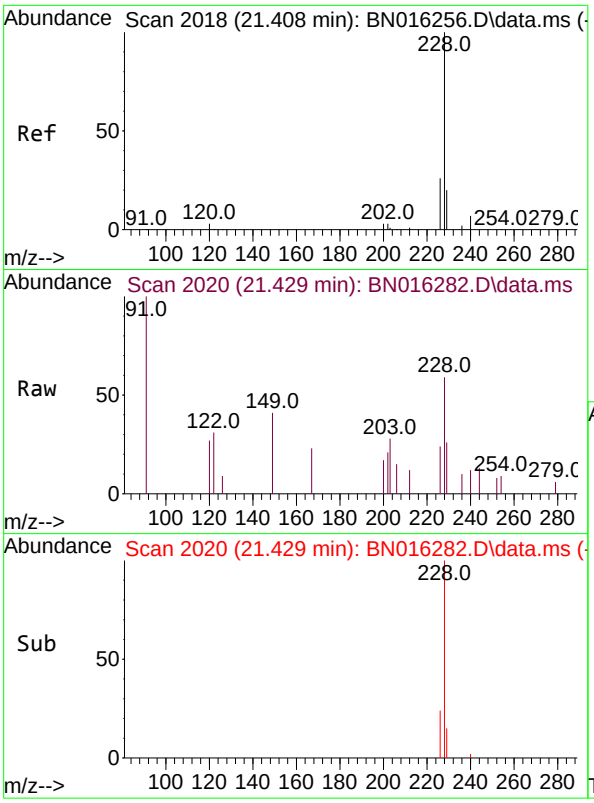


#31
Terphenyl-d14
Concen: 0.391 ng
RT: 19.887 min Scan# 1862
Delta R.T. 0.020 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:244 Resp: 90882

Ion	Ratio	Lower	Upper
244	100		
212	25.7	5.5	8.3#
122	91.4	9.0	13.4#

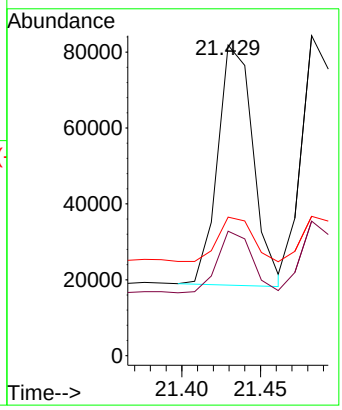




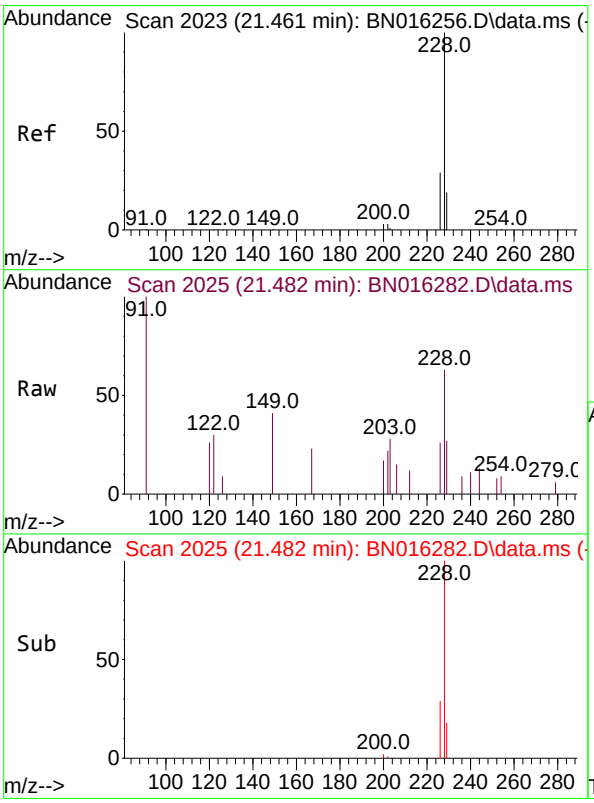
#32
Benzo(a)anthracene
Concen: 0.343 ng
RT: 21.429 min Scan# 2020
Delta R.T. 0.021 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:228 Resp: 99093

Ion	Ratio	Lower	Upper
228	100		
226	40.1	20.8	31.2#
229	44.6	15.8	23.6#



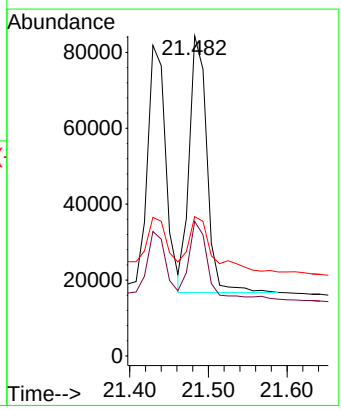
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD



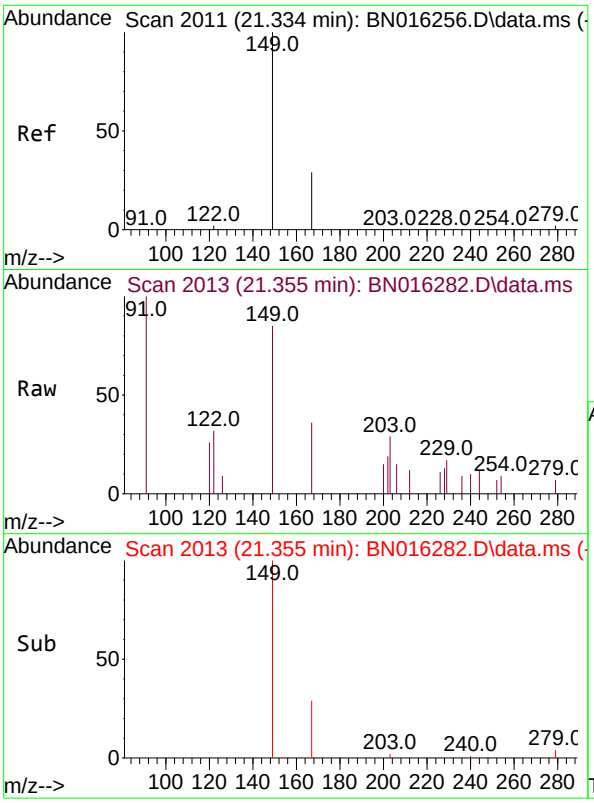
#33
Chrysene
Concen: 0.369 ng
RT: 21.482 min Scan# 2025
Delta R.T. 0.021 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:228 Resp: 105748

Ion	Ratio	Lower	Upper
228	100		
226	42.1	23.0	34.4#
229	43.6	15.6	23.4#



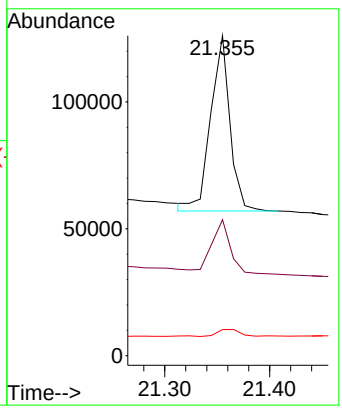
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

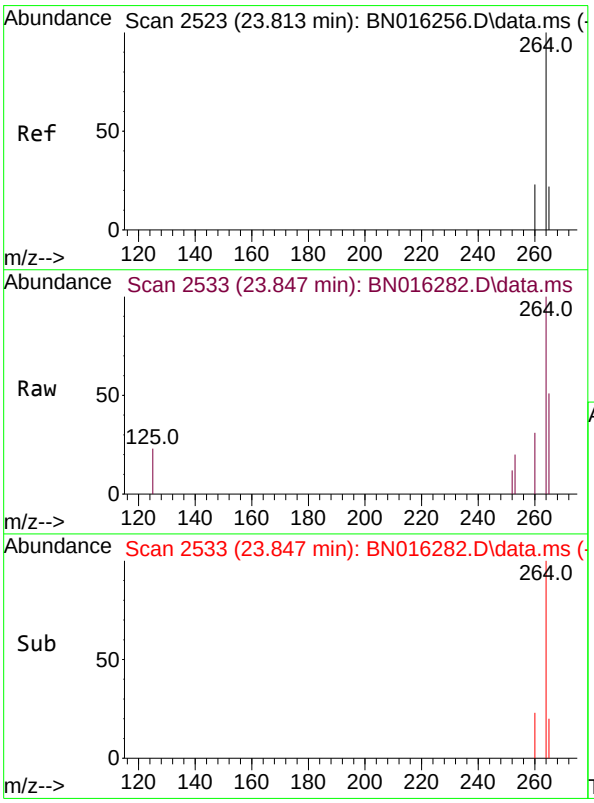


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.496 ng
RT: 21.355 min Scan# 2013
Delta R.T. 0.021 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:149 Resp: 88156

Ion	Ratio	Lower	Upper
149	100		
167	30.8	23.4	35.0
279	5.0	3.9	5.9

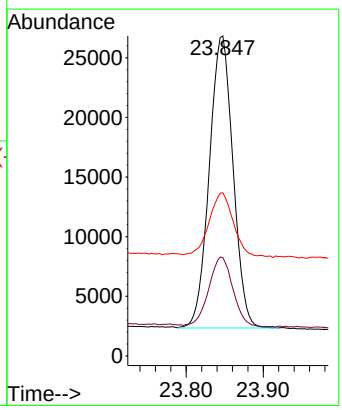




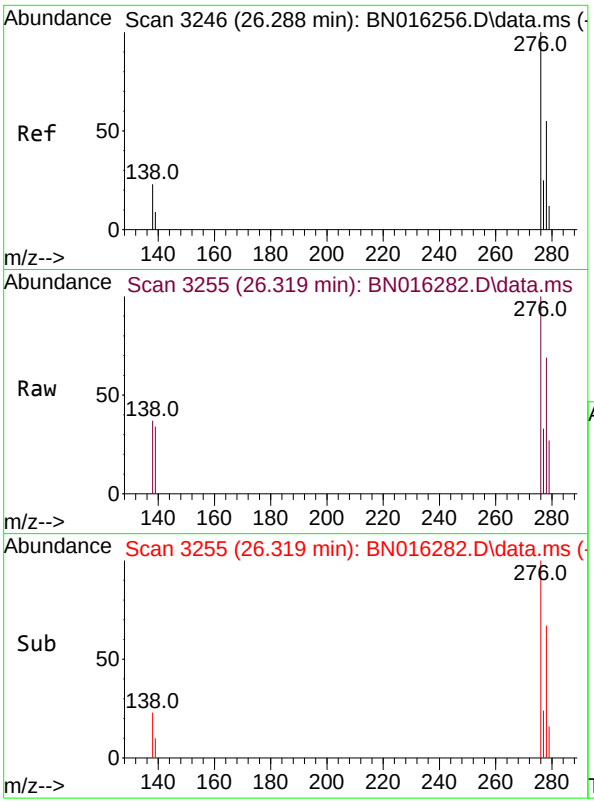
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.847 min Scan# 2533
Delta R.T. 0.034 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:264 Resp: 52406

Ion	Ratio	Lower	Upper
264	100		
260	30.8	18.9	28.3#
265	51.0	23.7	35.5#



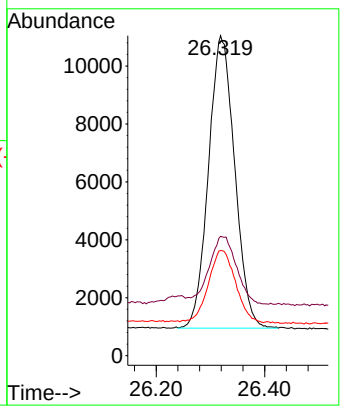
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

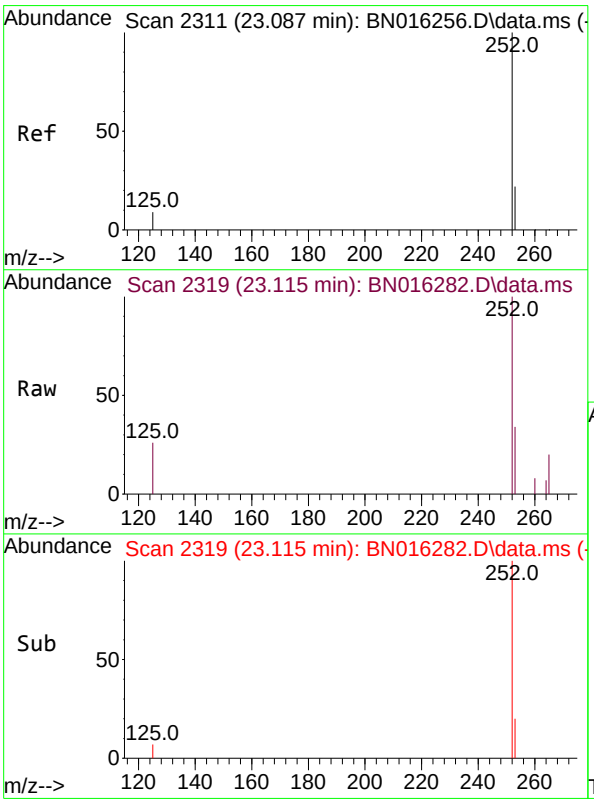


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.388 ng
RT: 26.319 min Scan# 3255
Delta R.T. 0.031 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:276 Resp: 33882

Ion	Ratio	Lower	Upper
276	100		
138	24.1	19.3	28.9
277	25.6	20.2	30.2

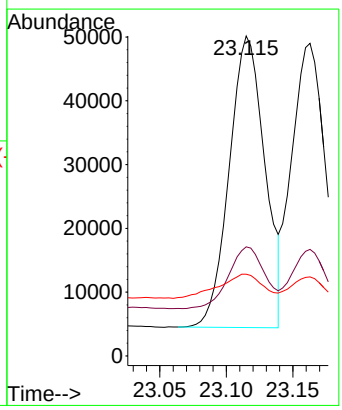




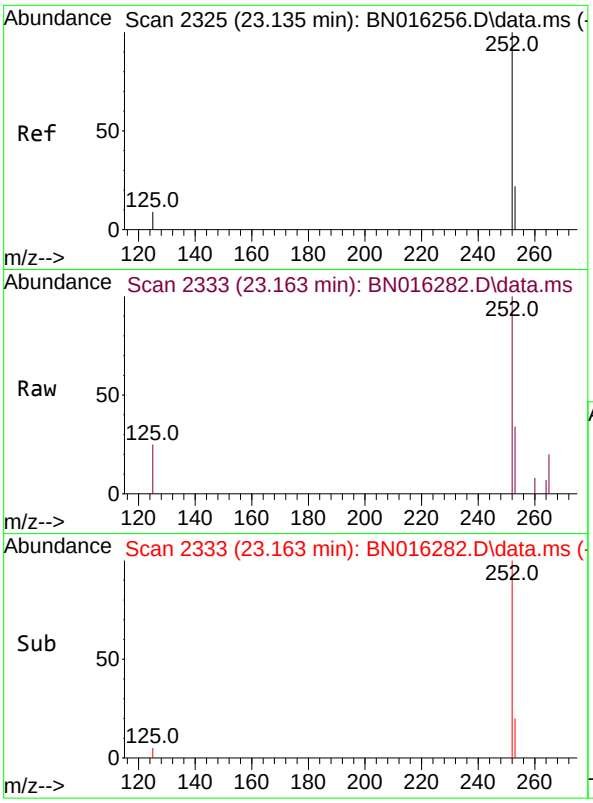
#37
Benzo(b)fluoranthene
Concen: 0.420 ng
RT: 23.115 min Scan# 2319
Delta R.T. 0.027 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:252 Resp: 85041

Ion	Ratio	Lower	Upper
252	100		
253	34.1	18.2	27.2#
125	25.6	8.4	12.6#



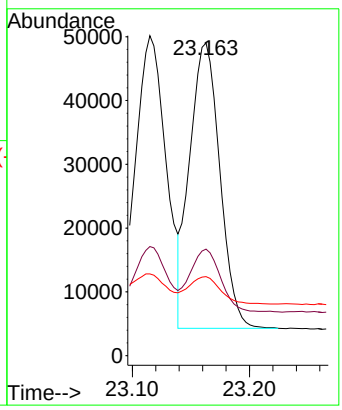
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

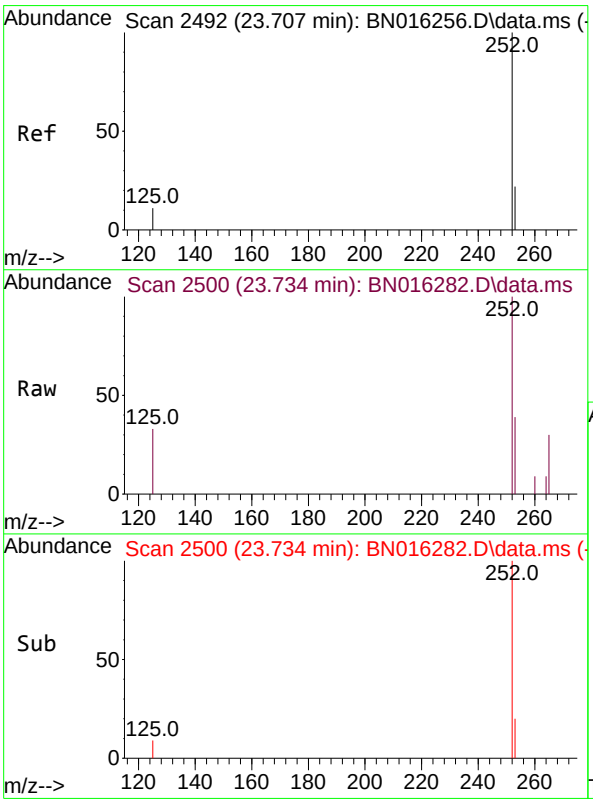


#38
Benzo(k)fluoranthene
Concen: 0.443 ng
RT: 23.163 min Scan# 2333
Delta R.T. 0.027 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:252 Resp: 79915

Ion	Ratio	Lower	Upper
252	100		
253	34.1	18.2	27.2#
125	25.3	8.2	12.4#

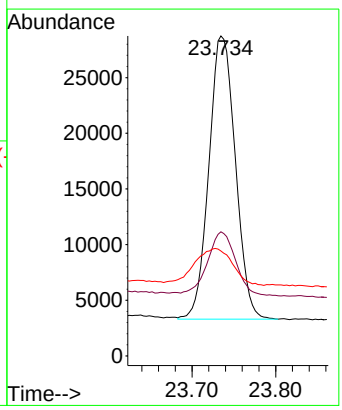




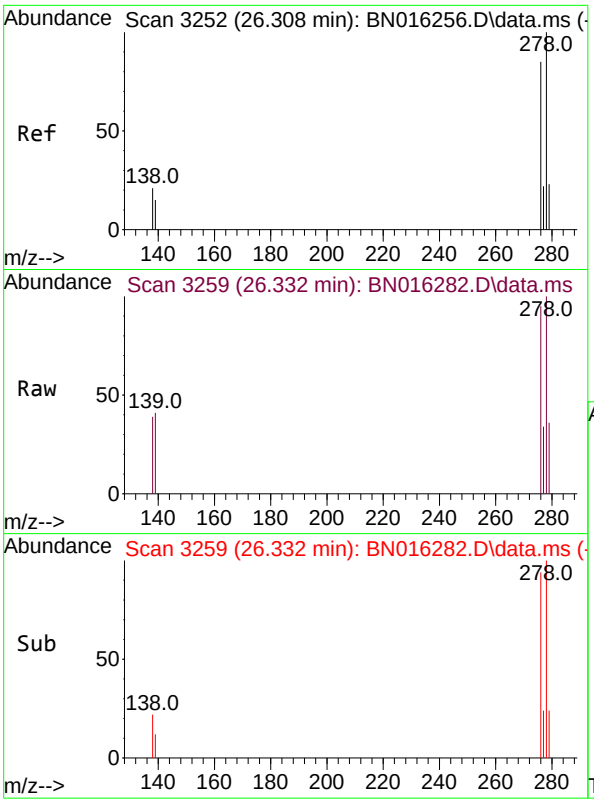
#39
Benzo(a)pyrene
Concen: 0.371 ng
RT: 23.734 min Scan# 2500
Delta R.T. 0.027 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:252 Resp: 55855

Ion	Ratio	Lower	Upper
252	100		
253	38.8	18.7	28.1#
125	32.8	9.9	14.9#



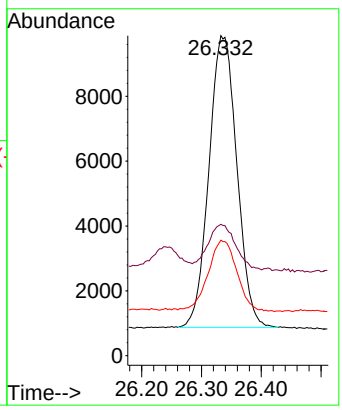
Instrument :
BNA_N
ClientSampleId :
VE4-11MSD

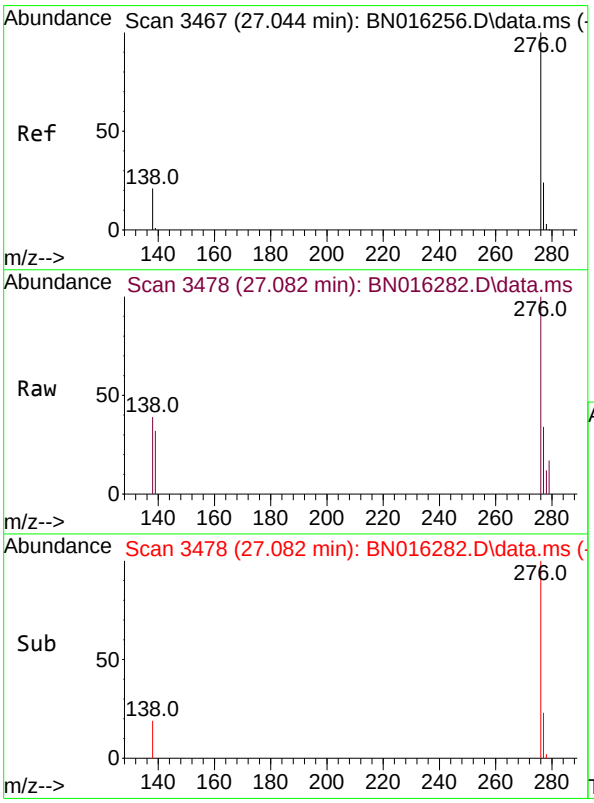


#40
Dibenzo(a,h)anthracene
Concen: 0.438 ng
RT: 26.332 min Scan# 3259
Delta R.T. 0.024 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:278 Resp: 29187

Ion	Ratio	Lower	Upper
278	100		
139	41.0	14.2	21.2#
279	36.1	21.3	31.9#





#41
Benzo(g,h,i)perylene
Concen: 0.320 ng
RT: 27.082 min Scan# 3478
Delta R.T. 0.038 min
Lab File: BN016282.D
Acq: 10 Sep 2021 07:32

Tgt Ion:276 Resp: 23154

Ion	Ratio	Lower	Upper
276	100		
277	34.2	20.5	30.7#
138	39.3	18.2	27.4#