

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060921\
 Data File : BN014857.D
 Acq On : 09 Jun 2021 17:40
 Operator : CG/JU
 Sample : M2214-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 PT-BNA-SOIL

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Quant Time: Jun 09 18:09:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN060921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 09 16:35:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2344	0.400	ng	0.00
7) Naphthalene-d8	10.496	136	10002	0.400	ng	# 0.01
13) Acenaphthene-d10	14.346	164	6467	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	14735	0.400	ng	# 0.01
29) Chrysene-d12	21.313	240	13887	0.400	ng	# 0.01
35) Perylene-d12	23.585	264	20372	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.329	112	485295	76.698	ng	0.00
5) Phenol-d6	6.906	99	541471	73.498	ng	0.02
8) Nitrobenzene-d5	8.861	82	562741	68.110	ng	0.00
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	15.856	330	295452	108.883	ng	0.01
15) 2-Fluorobiphenyl	12.975	172	999701	40.893	ng	0.01
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	19.754	244	1499170	43.635	ng	0.00
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	7.145	93	424421	76.019	ng	97
9) Naphthalene	10.547	128	1301338	47.518	ng	99
10) Hexachlorobutadiene	10.838	225	399805	50.071	ng	# 98
12) 2-Methylnaphthalene	12.164	142	867726	45.015	ng	97
16) Acenaphthylene	14.067	152	828837	30.740	ng	100
17) Acenaphthene	14.422	154	839184	45.996	ng	98
18) Fluorene	15.424	166	1078338	46.205	ng	100
21) 4-Bromophenyl-phenylether	16.300	248	434362	41.413	ng	# 63
25) Phenanthrene	17.152	178	1351405	32.281	ng	99
26) Anthracene	17.237	178	1057341	28.521	ng	99
28) Fluoranthene	19.193	202	2823355	53.283	ng	99
30) Pyrene	19.555	202	2569193	62.147	ng	98
32) Benzo(a)anthracene	21.303	228	1759148	44.544	ng	98
34) Bis(2-ethylhexyl)phtha...	21.239	149	1896156	155.419	ng	96
36) Indeno(1,2,3-cd)pyrene	25.840	276	950	0.105	ng	# 82
37) Benzo(b)fluoranthene	22.948	252	2992970m	46.041	ng	
38) Benzo(k)fluoranthene	22.982	252	3313076m	42.795	ng	
39) Benzo(a)pyrene	23.523	252	3846852	62.429	ng	# 95

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

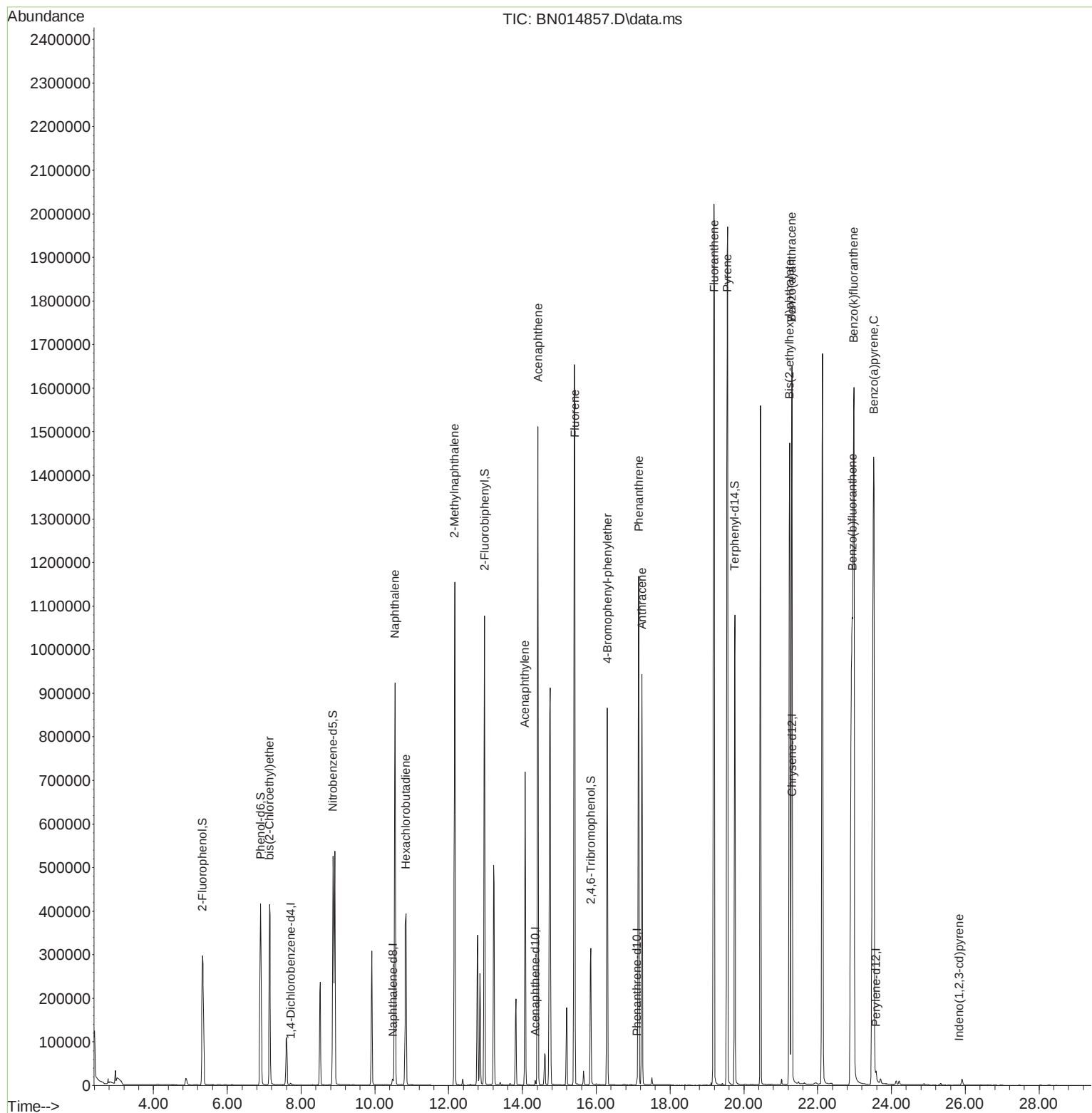
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060921\
Data File : BN014857.D
Acq On : 09 Jun 2021 17:40
Operator : CG/JU
Sample : M2214-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

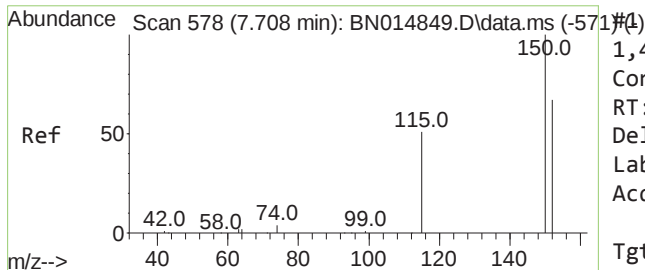
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

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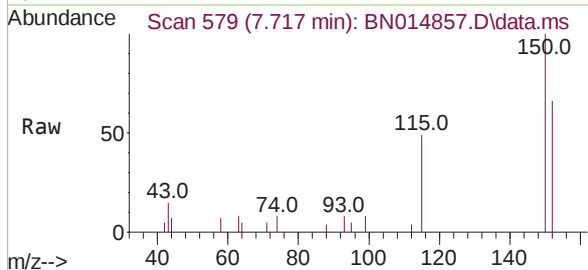
Quant Time: Jun 09 18:09:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN060921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 09 16:35:36 2021
Response via : Initial Calibration



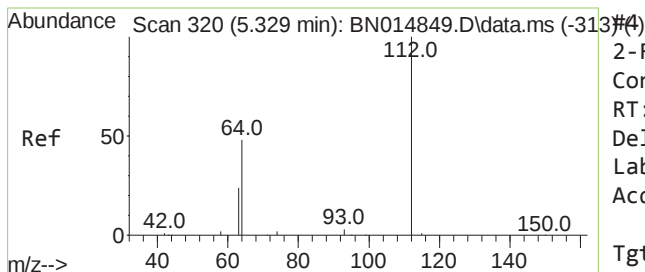
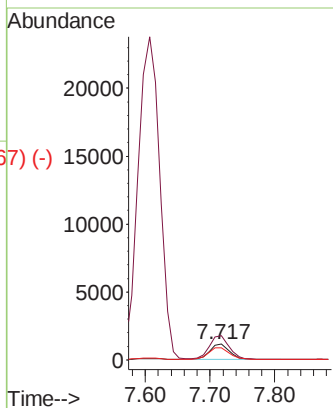
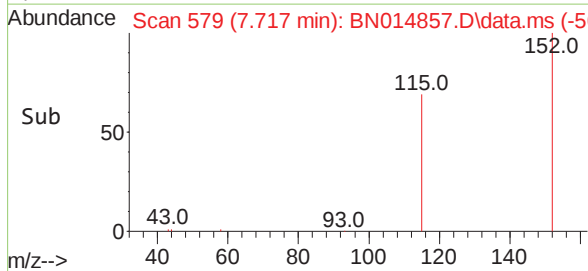


1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 579
Delta R.T. 0.009 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

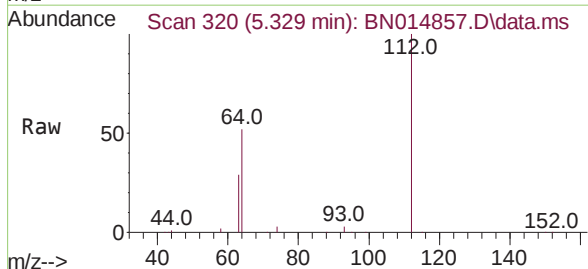
Instrument :
BNA_N
ClientSampled :
PT-BNA-SOIL



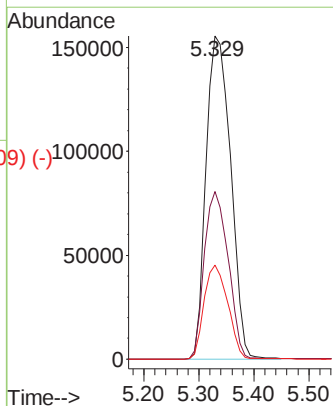
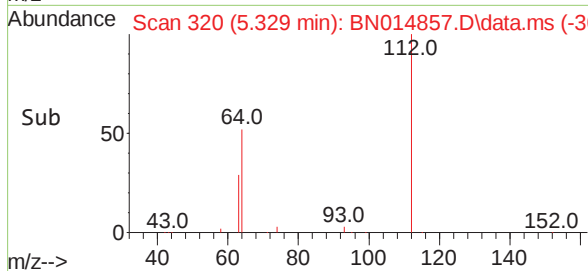
Tgt Ion:152 Resp: 2344
Ion Ratio Lower Upper
152 100
150 151.1 119.0 178.6
115 73.8 62.2 93.4

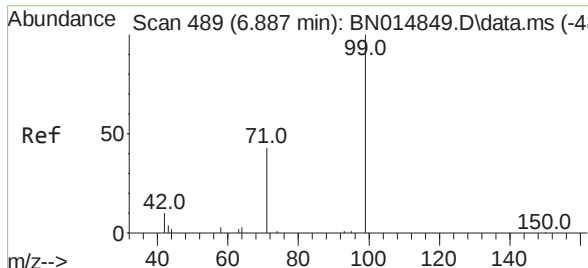


2-Fluorophenol
Concen: 76.698 ng
RT: 5.329 min Scan# 320
Delta R.T. -0.000 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40



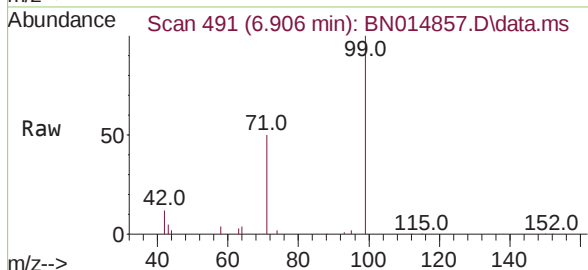
Tgt Ion:112 Resp: 485295
Ion Ratio Lower Upper
112 100
64 50.2 39.0 58.6
63 27.9 20.6 30.8





Phenol-d6
Concen: 73.498 ng
RT: 6.906 min Scan# 491
Delta R.T. 0.019 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

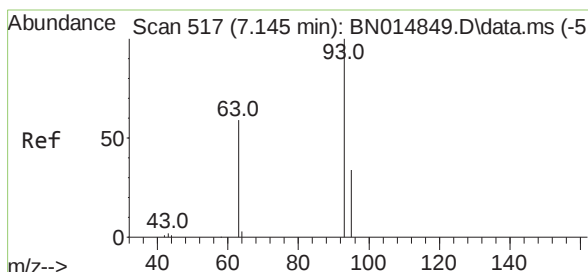
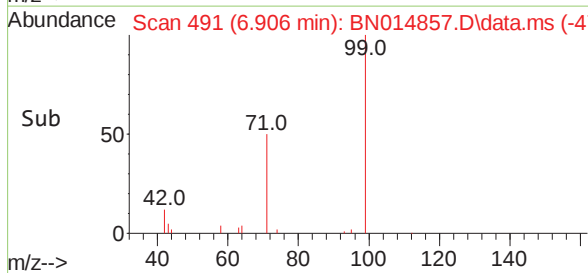
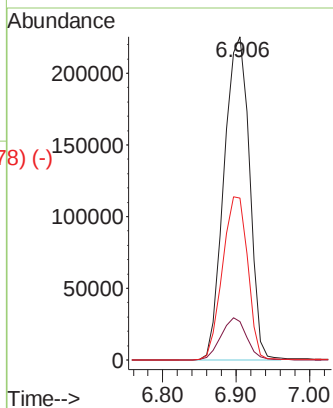
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BNA_N
ClientSampleId :
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Tgt Ion:	99	Resp:	541471
Ion	Ratio	Lower	Upper
99	100		
42	13.0	8.9	13.3
71	50.2	35.6	53.4

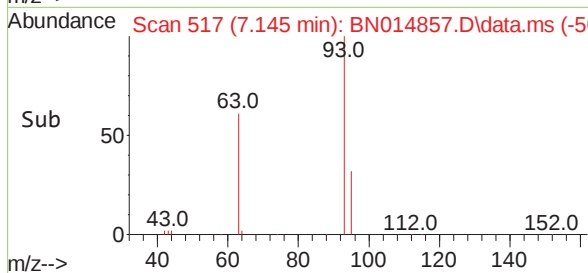
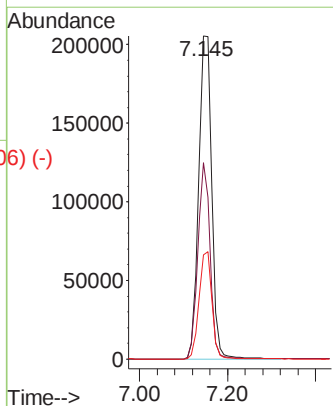
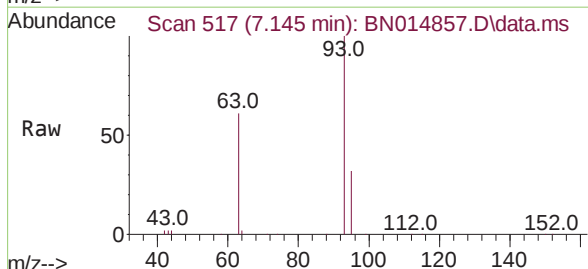
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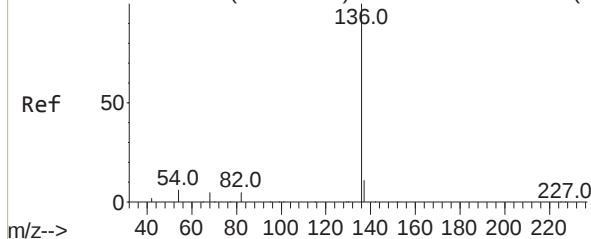


bis(2-Chloroethyl)ether
Concen: 76.019 ng
RT: 7.145 min Scan# 517
Delta R.T. 0.000 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:	93	Resp:	424421
Ion	Ratio	Lower	Upper
93	100		
63	56.7	46.6	70.0
95	32.8	28.6	42.8



Abundance Scan 815 (10.484 min): BN014849.D\data.ms (-807) (-)



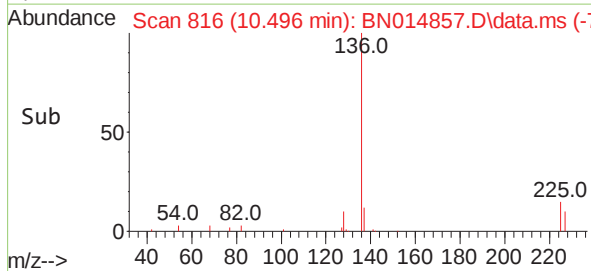
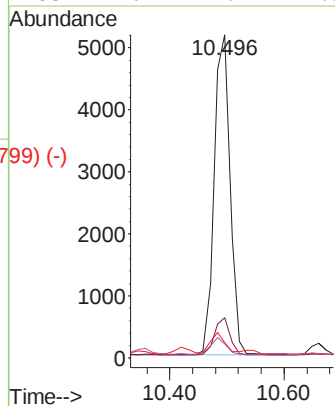
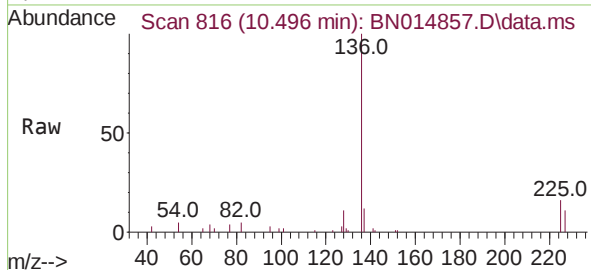
Naphthalene-d8
Concen: 0.400 ng
RT: 10.496 min Scan# 816
Delta R.T. 0.013 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.8	14.8
54	4.6	5.4	8.2#
68	4.2	4.9	7.3#

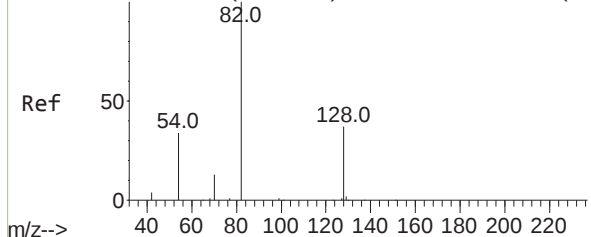
Instrument :
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ClientSampleId :
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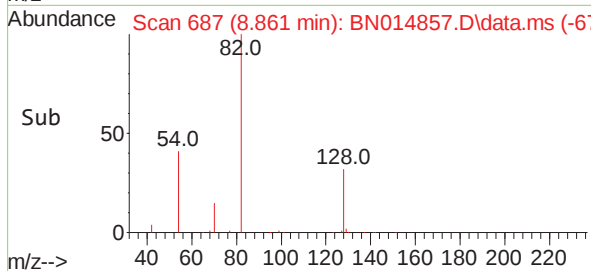
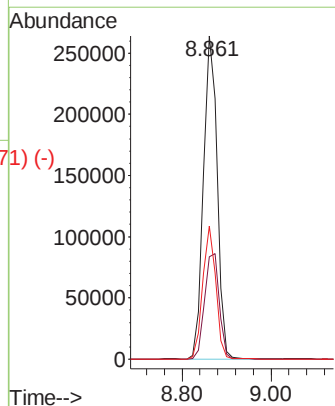
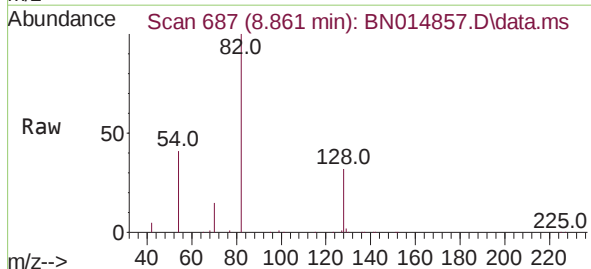


Abundance Scan 687 (8.861 min): BN014849.D\data.ms (-683) (-)

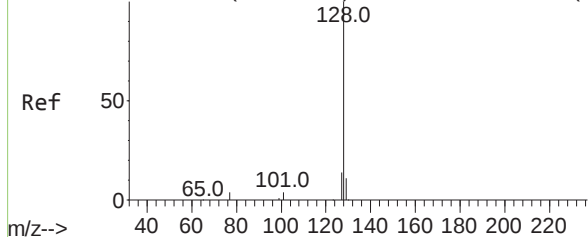


Nitrobenzene-d5
Concen: 68.110 ng
RT: 8.861 min Scan# 687
Delta R.T. 0.000 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.8	31.6	47.4
54	41.2	29.0	43.4



Abundance Scan 819 (10.534 min): BN014849.D\data.ms (-819) (-)



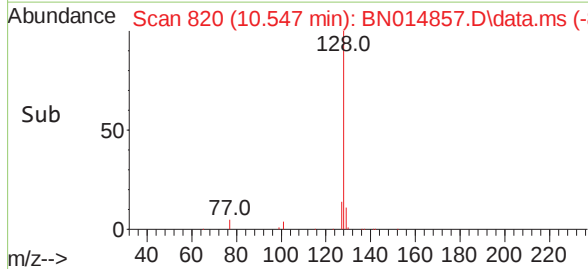
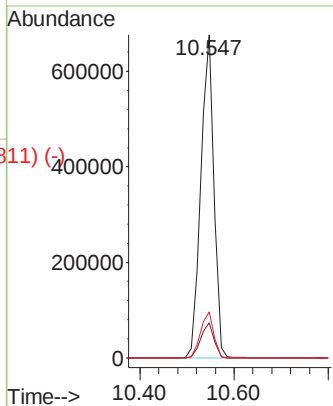
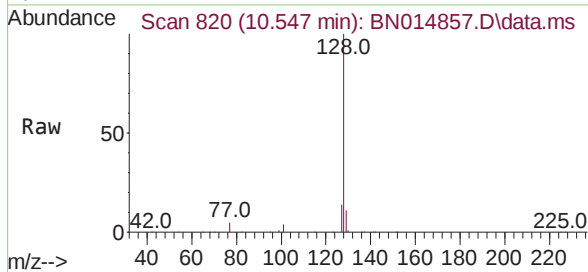
Naphthalene
Concen: 47.518 ng
RT: 10.547 min Scan# 820
Delta R.T. 0.013 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:	128	Resp:	1301338
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	14.3	11.8	17.6

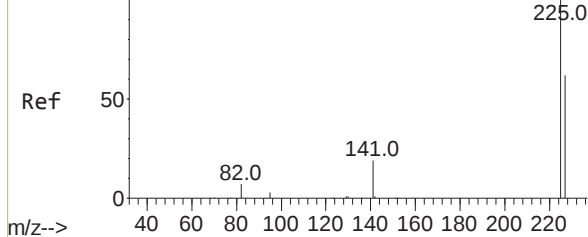
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

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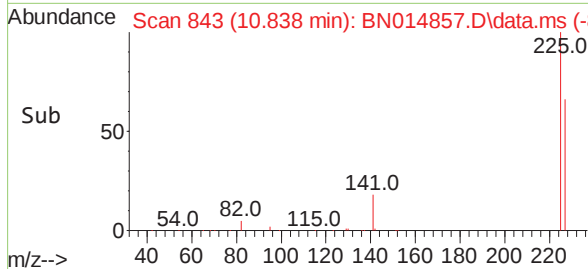
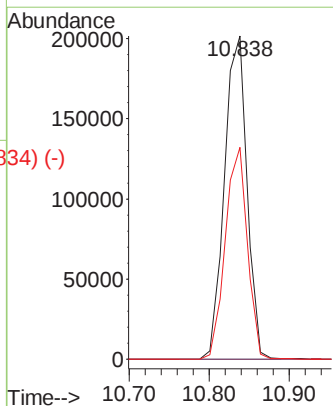
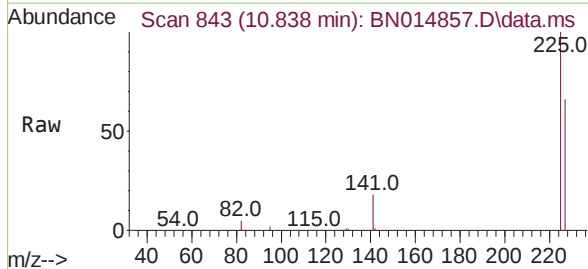


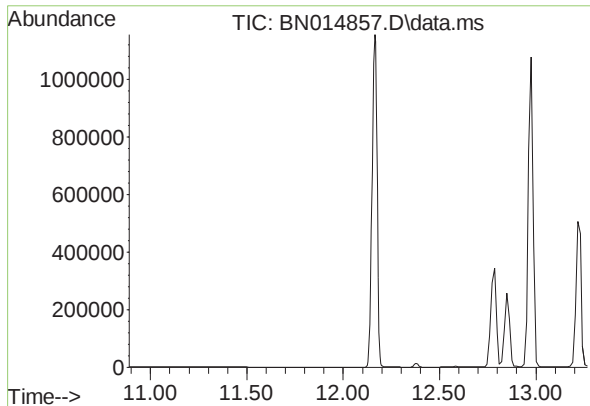
Abundance Scan 842 (10.826 min): BN014849.D\data.ms (-836) (-)



Hexachlorobutadiene
Concen: 50.071 ng
RT: 10.838 min Scan# 843
Delta R.T. 0.013 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:	225	Resp:	399805
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.2	75.2





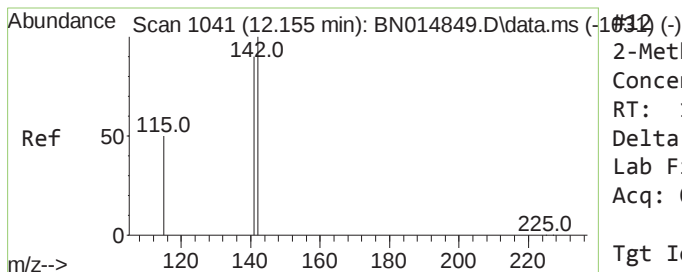
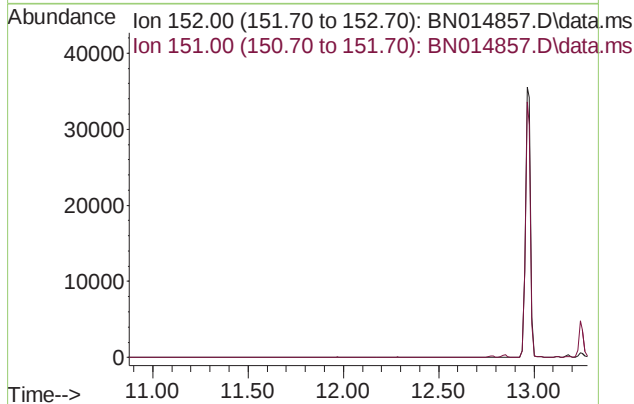
#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.08 min
 Lab File: BN014857.D
 Acq: 09 Jun 2021 17:40

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 20.9

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

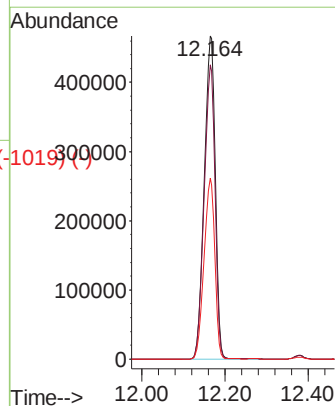
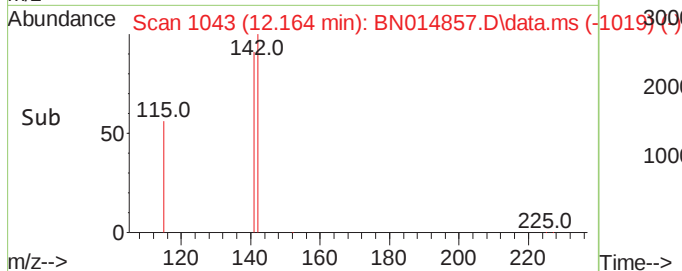
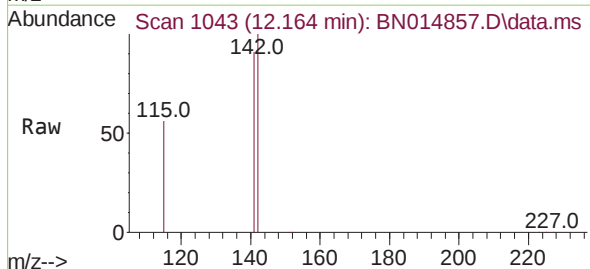
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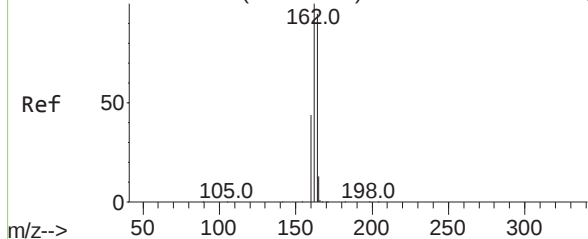


#12 (-)
 2-Methylnaphthalene
 Concen: 45.015 ng
 RT: 12.164 min Scan# 1043
 Delta R.T. 0.009 min
 Lab File: BN014857.D
 Acq: 09 Jun 2021 17:40

Tgt Ion: 142 Resp: 867726
 Ion Ratio Lower Upper
 142 100
 141 91.2 72.3 108.5
 115 56.0 40.7 61.1



Abundance Scan 1265 (14.346 min): BN014849.D\data.ms (-1212) (-)



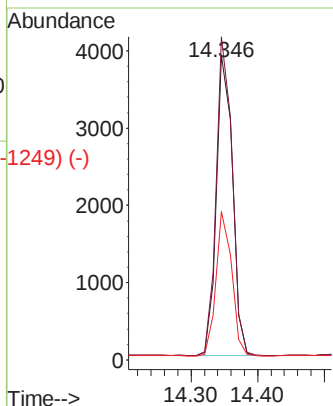
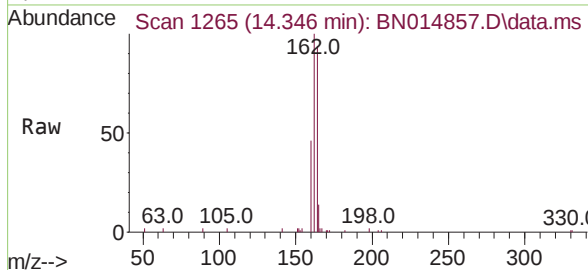
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.346 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:	164	Resp:	6467
Ion Ratio	Lower	Upper	
164	100		
162	106.2	83.8	125.6
160	48.8	37.4	56.0

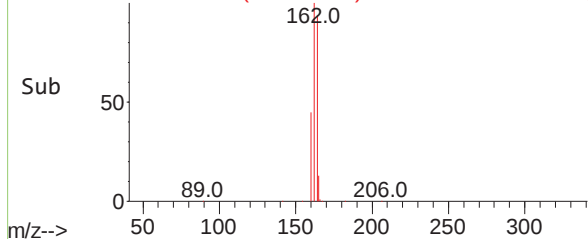
Instrument :
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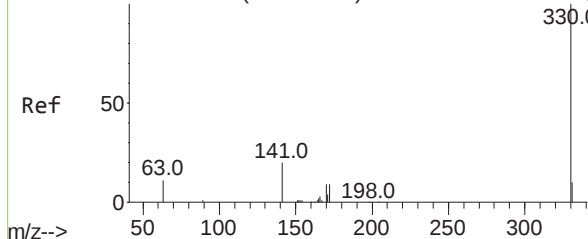
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Abundance Scan 1265 (14.346 min): BN014857.D\data.ms (-1249) (-)

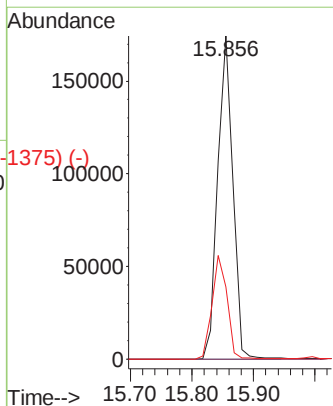
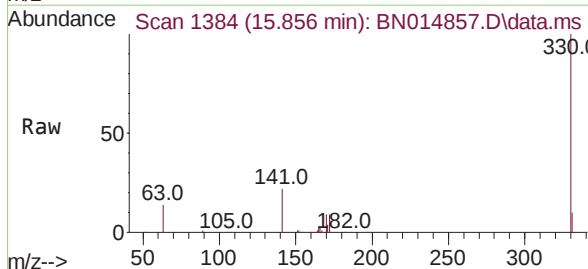


Abundance Scan 1383 (15.843 min): BN014849.D\data.ms (-1318) (-)

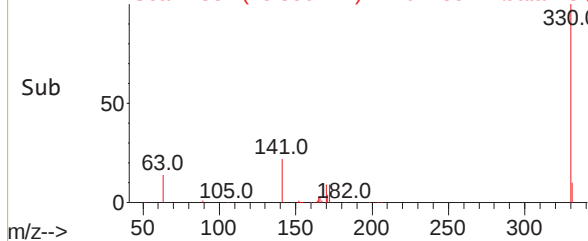


2,4,6-Tribromophenol
Concen: 108.883 ng
RT: 15.856 min Scan# 1384
Delta R.T. 0.013 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

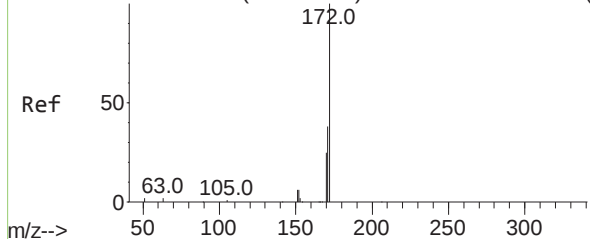
Tgt Ion:	330	Resp:	295452
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	32.1	22.4	33.6



Abundance Scan 1384 (15.856 min): BN014857.D\data.ms (-1375) (-)



Abundance Scan 1156 (12.963 min): BN014849.D\data.ms (-1156) (-)



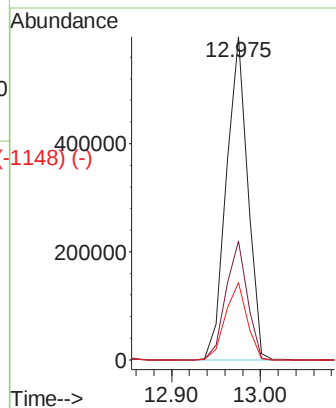
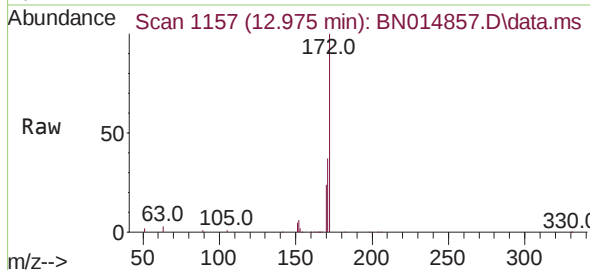
2-Fluorobiphenyl
Concen: 40.893 ng
RT: 12.975 min Scan# 1157
Delta R.T. 0.013 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

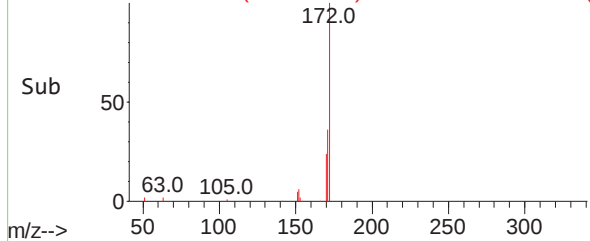
Tgt Ion:172 Resp: 999701
Ion Ratio Lower Upper
172 100
171 36.8 30.6 45.8
170 24.0 20.2 30.4

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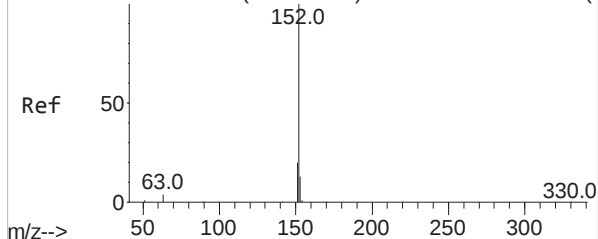
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Abundance Scan 1157 (12.975 min): BN014857.D\data.ms (-1148) (-)

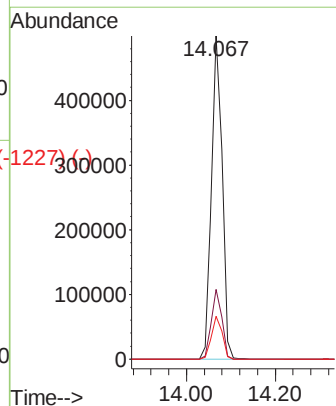
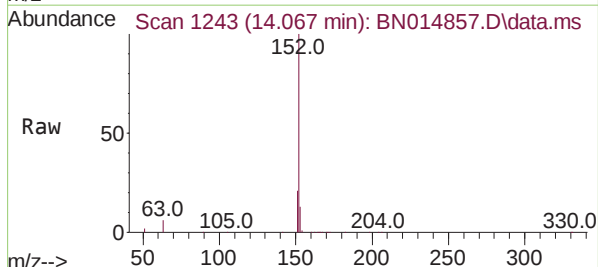


Abundance Scan 1243 (14.067 min): BN014849.D\data.ms (-1243) (-)

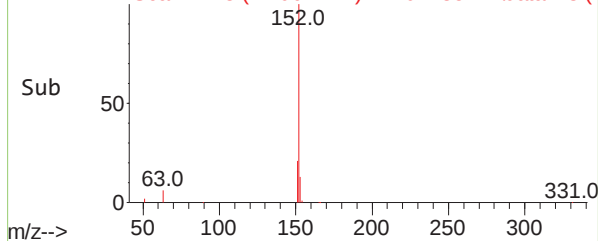


Acenaphthylene
Concen: 30.740 ng
RT: 14.067 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

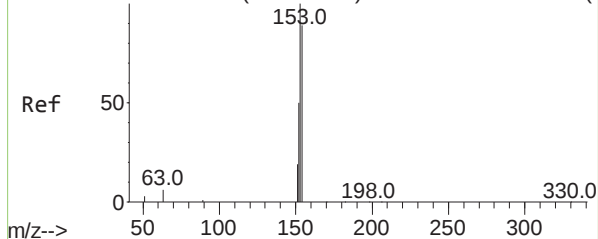
Tgt Ion:152 Resp: 828837
Ion Ratio Lower Upper
152 100
151 21.1 16.7 25.1
153 13.3 10.5 15.7



Abundance Scan 1243 (14.067 min): BN014857.D\data.ms (-1227) (-)



Abundance Scan 1270 (14.409 min): BN014849.D\data.ms (-1217) (-)



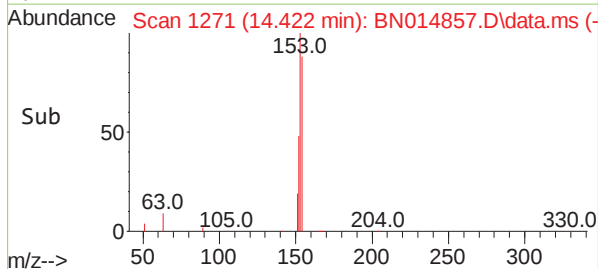
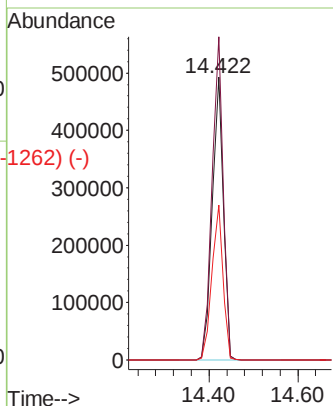
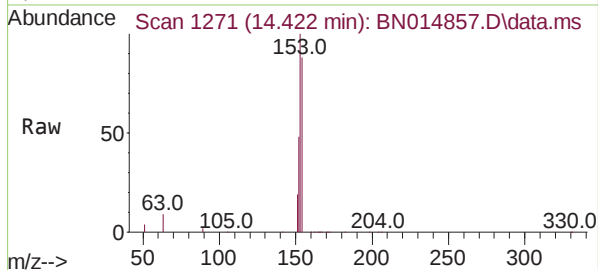
Acenaphthene
Concen: 45.996 ng
RT: 14.422 min Scan# 1271
Delta R.T. 0.013 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:154 Resp: 839184
Ion Ratio Lower Upper
154 100
153 114.2 90.9 136.3
152 54.7 45.8 68.8

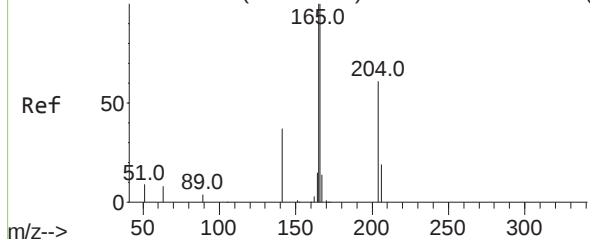
Instrument :
BNA_N
ClientSampleId :
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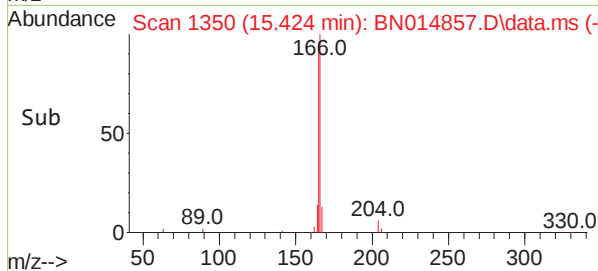
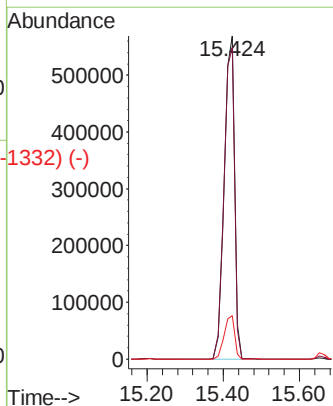
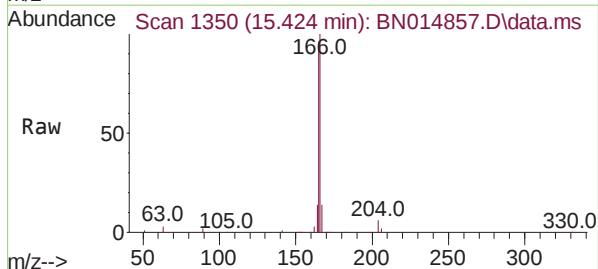


Abundance Scan 1348 (15.399 min): BN014849.D\data.ms (-1316) (-)

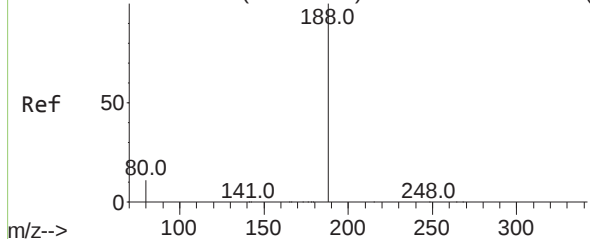


Fluorene
Concen: 46.205 ng
RT: 15.424 min Scan# 1350
Delta R.T. 0.025 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:166 Resp: 1078338
Ion Ratio Lower Upper
166 100
165 98.7 79.2 118.8
167 13.7 10.7 16.1



Abundance Scan 1485 (17.091 min): BN014849.D\data.ms (-1419) (-)



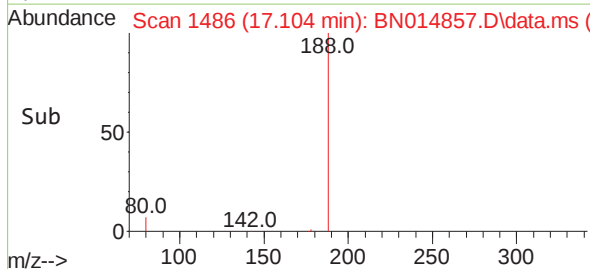
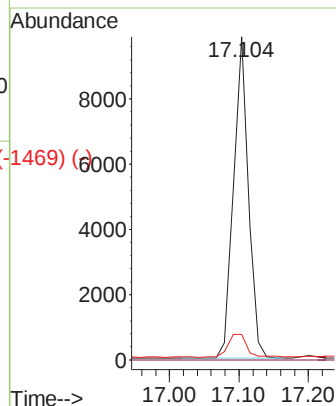
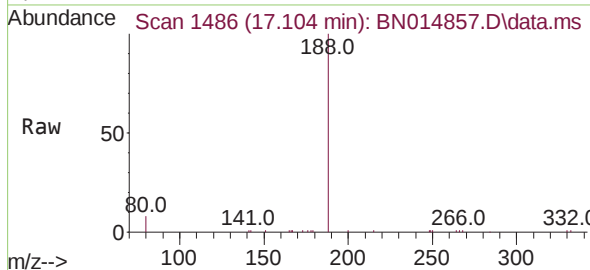
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1486
Delta R.T. 0.012 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:188 Resp: 14735
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 9.0 13.4#

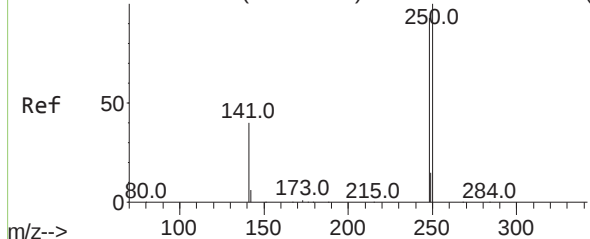
Instrument :
BNA_N
ClientSampleId :
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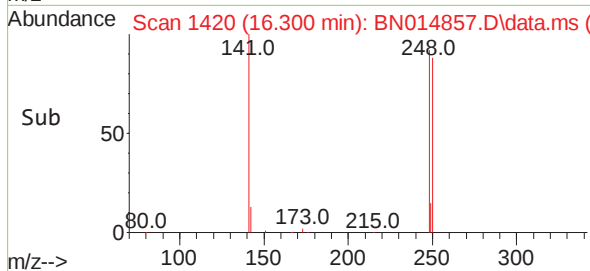
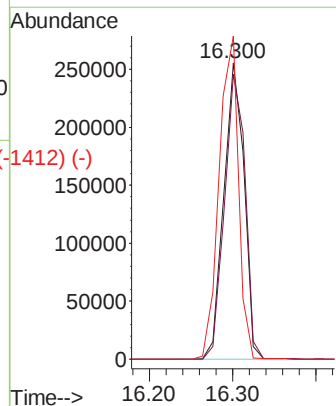
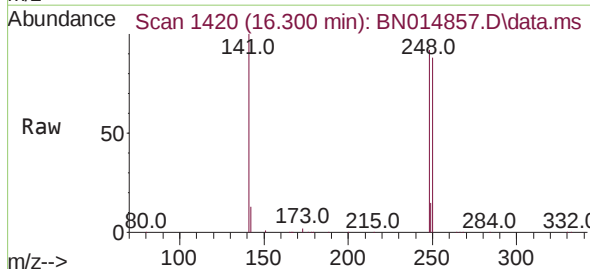


Abundance Scan 1420 (16.300 min): BN014849.D\data.ms (-1425) (-)

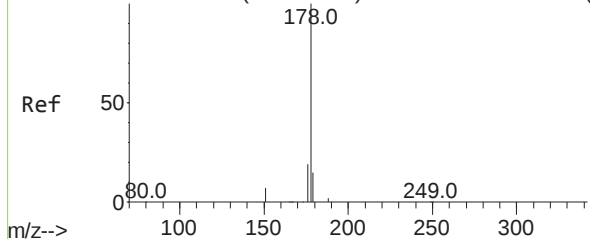


4-Bromophenyl-phenylether
Concen: 41.413 ng
RT: 16.300 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:248 Resp: 434362
Ion Ratio Lower Upper
248 100
250 96.1 86.2 129.4
141 109.2 36.2 54.2#



Abundance Scan 1489 (17.140 min): BN014849.D\data.ms (-1425) (-)



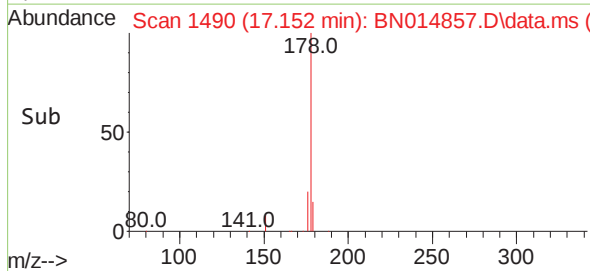
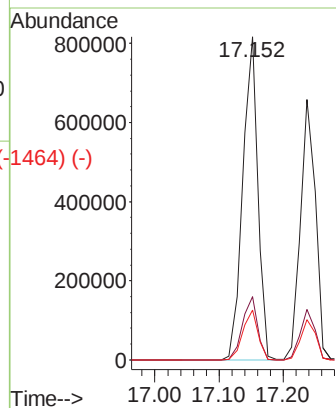
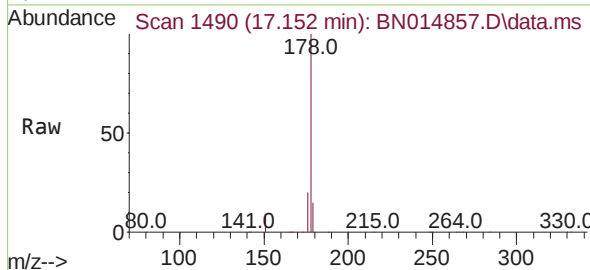
Phenanthrene
Concen: 32.281 ng
RT: 17.152 min Scan# 1490
Delta R.T. 0.012 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:178 Resp: 1351405
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.6 12.1 18.1

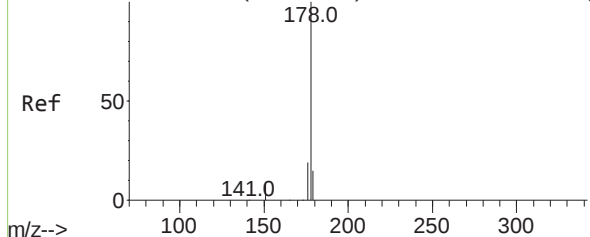
Instrument :
BNA_N
ClientSampleId :
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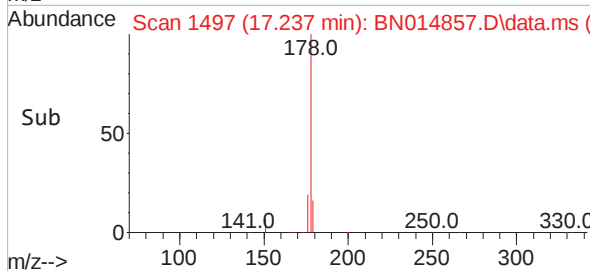
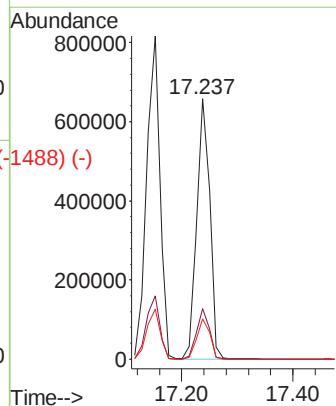
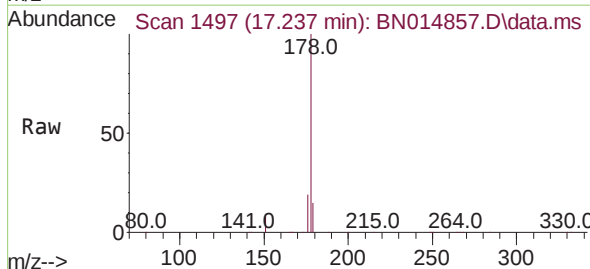


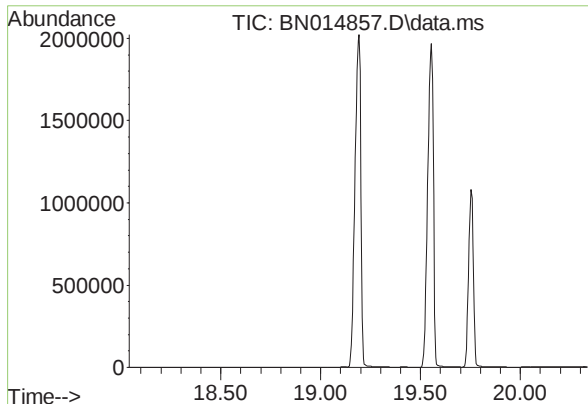
Abundance Scan 1496 (17.225 min): BN014849.D\data.ms (-1426) (-)



Anthracene
Concen: 28.521 ng
RT: 17.237 min Scan# 1497
Delta R.T. 0.012 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:178 Resp: 1057341
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.5 12.2 18.2





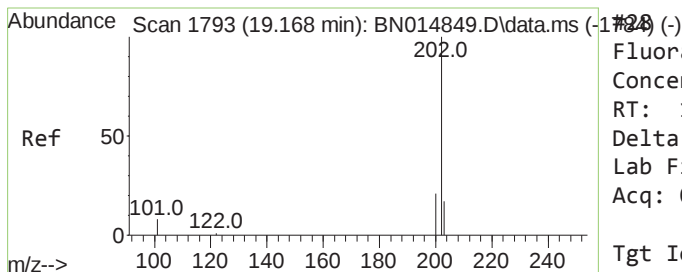
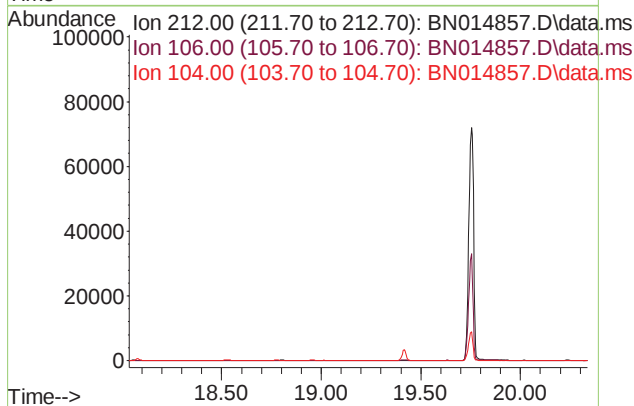
#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.14 min
 Lab File: BN014857.D
 Acq: 09 Jun 2021 17:40

Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 8.8
 104 5.1

Instrument :
 BNA_N
 ClientSampleId :
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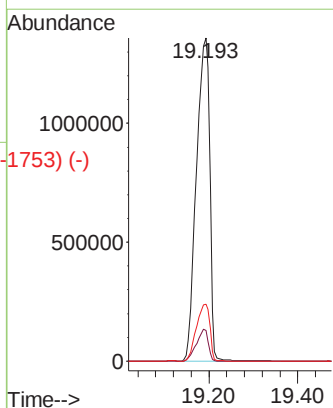
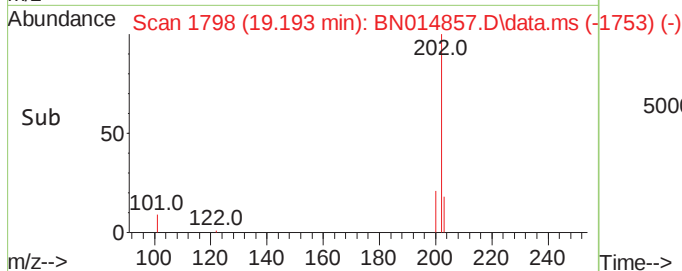
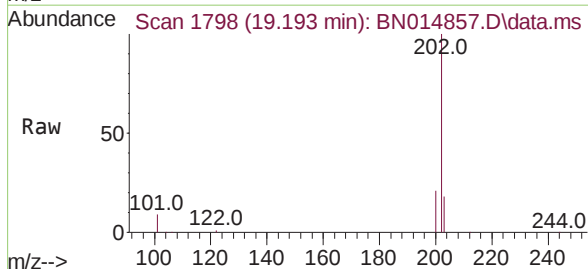
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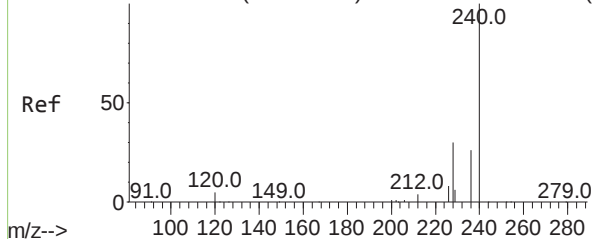


#28
 Fluoranthene
 Concen: 53.283 ng
 RT: 19.193 min Scan# 1798
 Delta R.T. 0.025 min
 Lab File: BN014857.D
 Acq: 09 Jun 2021 17:40

Tgt Ion: 202 Resp: 2823355
 Ion Ratio Lower Upper
 202 100
 101 8.7 6.6 10.0
 203 17.7 13.9 20.9



Abundance Scan 2084 (21.303 min): BN014849.D\data.ms (-240) (-)



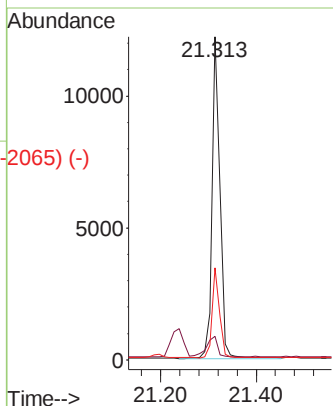
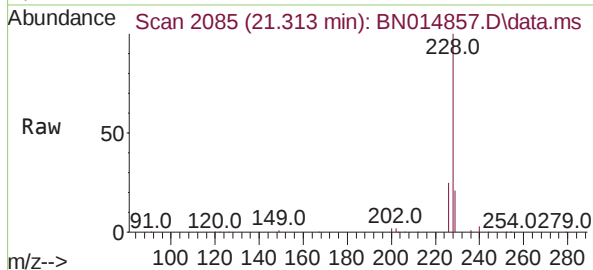
Chrysene-d12
Concen: 0.400 ng
RT: 21.313 min Scan# 2085
Delta R.T. 0.011 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	4.2	6.4#
236	28.5	21.4	32.2

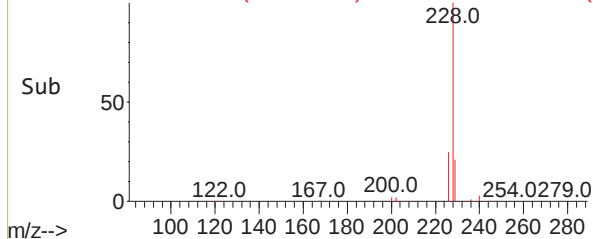
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

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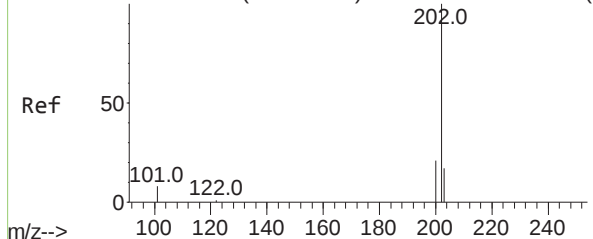
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Abundance Scan 2085 (21.313 min): BN014857.D\data.ms (-2065) (-)

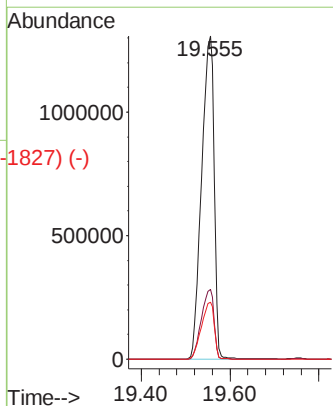
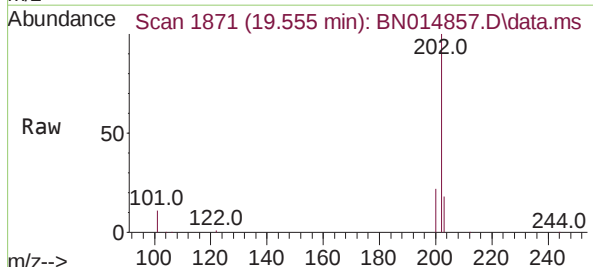


Abundance Scan 1867 (19.535 min): BN014849.D\data.ms (-202) (-)

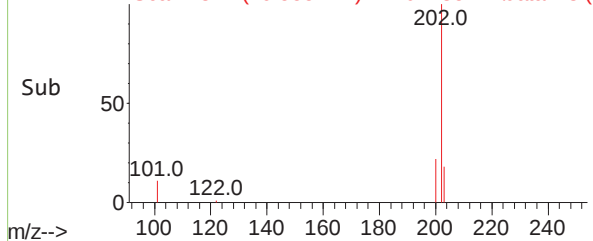


Pyrene
Concen: 62.147 ng
RT: 19.555 min Scan# 1871
Delta R.T. 0.020 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

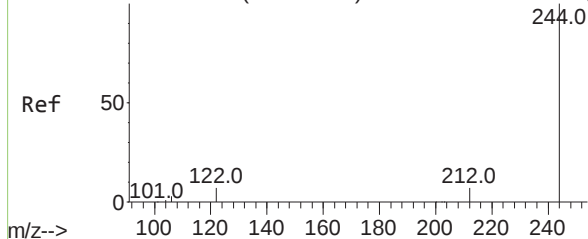
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	18.2	13.9	20.9



Abundance Scan 1871 (19.555 min): BN014857.D\data.ms (-1827) (-)



Abundance Scan 1909 (19.744 min): BN014849.D\data.ms (-1890) (-)



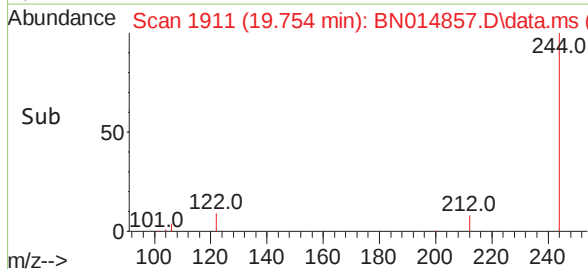
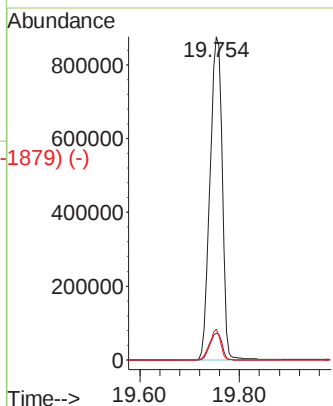
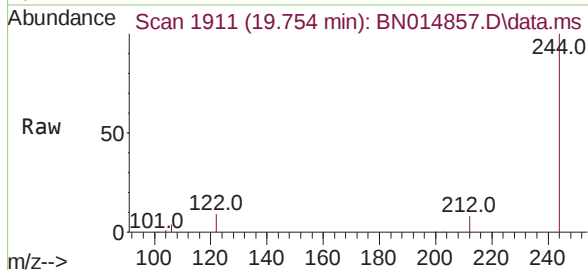
Terphenyl-d14
Concen: 43.635 ng
RT: 19.754 min Scan# 1911
Delta R.T. 0.010 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:244 Resp: 1499170
Ion Ratio Lower Upper
244 100
212 8.2 6.3 9.5
122 9.5 6.2 9.2#

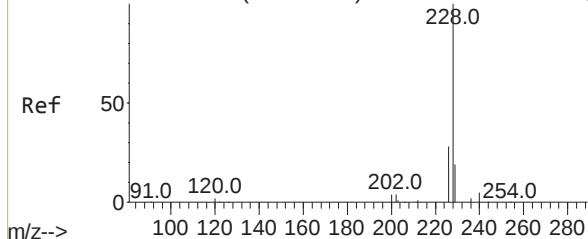
Instrument :
BNA_N
ClientSampleId :
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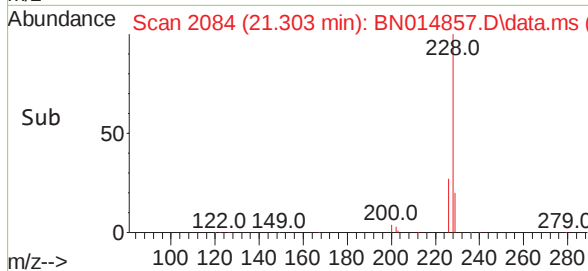
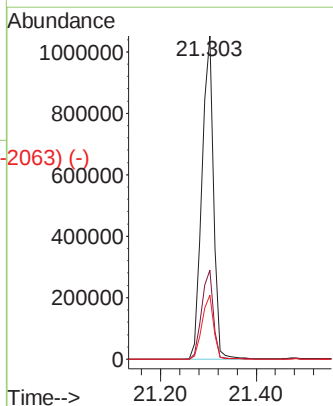
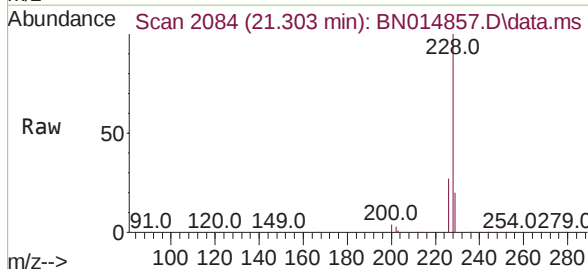


Abundance Scan 2082 (21.281 min): BN014849.D\data.ms (-2070) (-)

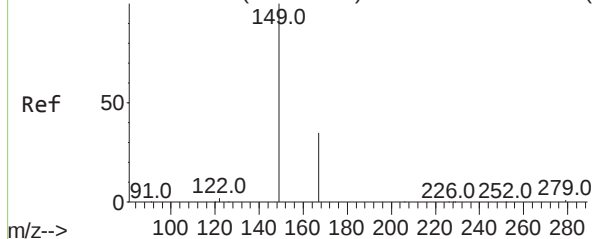


Benzo(a)anthracene
Concen: 44.544 ng
RT: 21.303 min Scan# 2084
Delta R.T. 0.021 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:228 Resp: 1759148
Ion Ratio Lower Upper
228 100
226 27.5 23.0 34.6
229 19.9 15.7 23.5



Abundance Scan 2076 (21.218 min): BN014849.D\data.ms (-2076) (-)



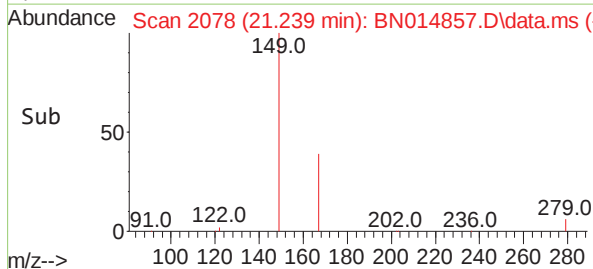
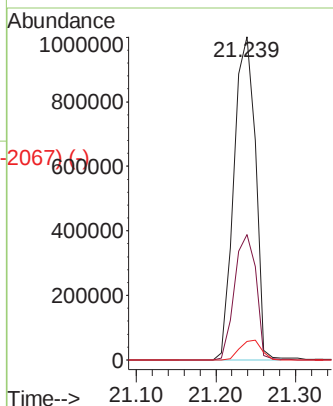
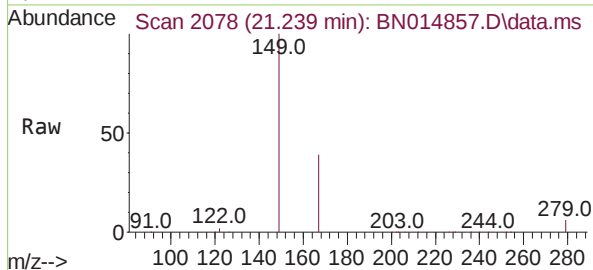
Bis(2-ethylhexyl)phthalate
Concen: 155.419 ng
RT: 21.239 min Scan# 2078
Delta R.T. 0.021 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:149 Resp: 1896156
Ion Ratio Lower Upper
149 100
167 39.0 28.9 43.3
279 6.1 4.9 7.3

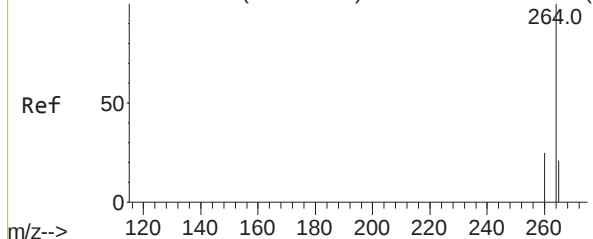
Instrument :
BNA_N
ClientSampleId :
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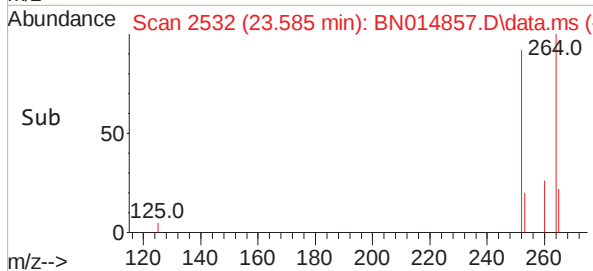
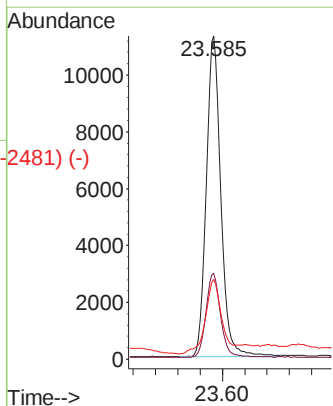
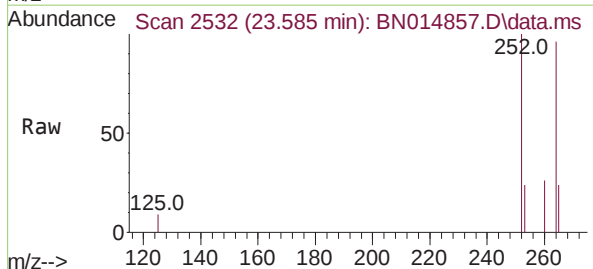


Abundance Scan 2525 (23.561 min): BN014849.D\data.ms (-2525) (-)

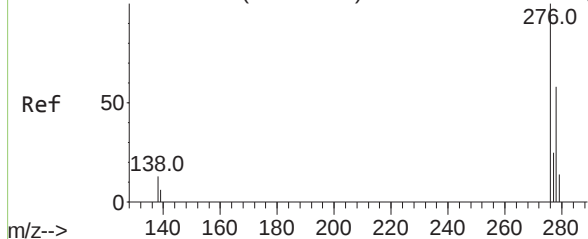


Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2532
Delta R.T. 0.024 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:264 Resp: 20372
Ion Ratio Lower Upper
264 100
260 26.6 20.6 31.0
265 24.8 21.4 32.2



Abundance Scan 3190 (25.837 min): BN014849.D\data.ms (-3136) (-)



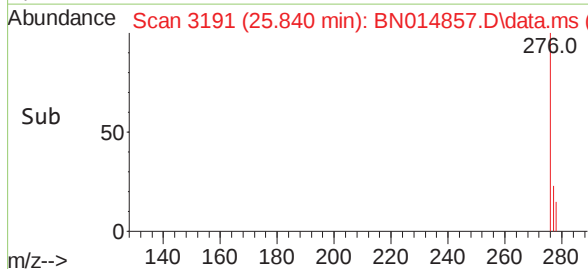
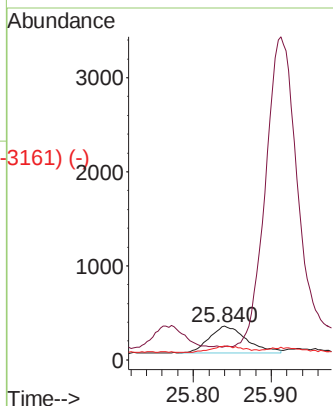
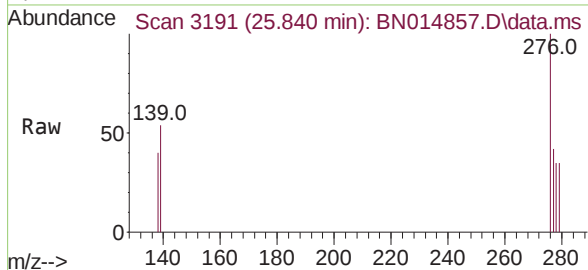
Indeno(1,2,3-cd)pyrene
Concen: 0.105 ng
RT: 25.840 min Scan# 3191
Delta R.T. 0.003 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.0	15.0#
277	19.9	20.4	30.6#

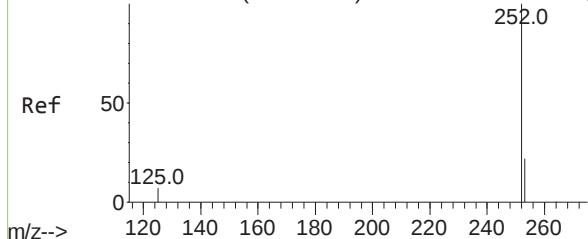
Instrument :
BNA_N
ClientSampleId :
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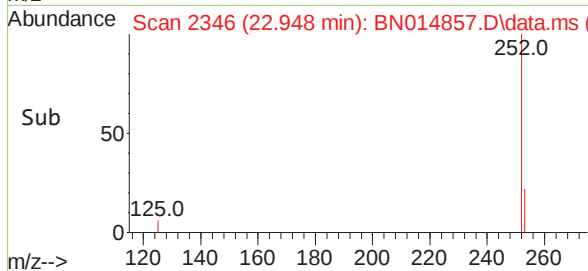
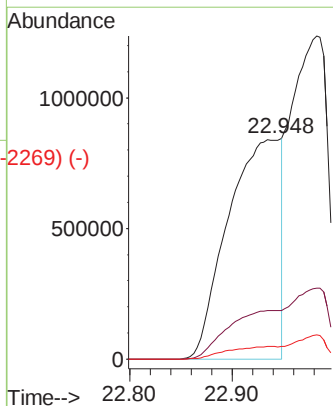
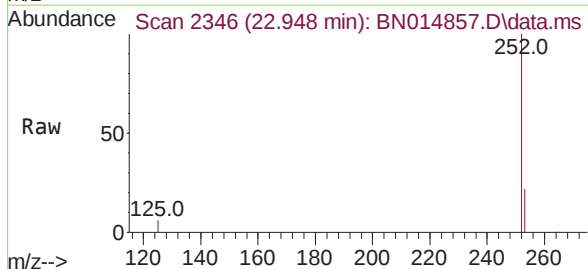


Abundance Scan 2327 (22.883 min): BN014849.D\data.ms (-2330) (-)

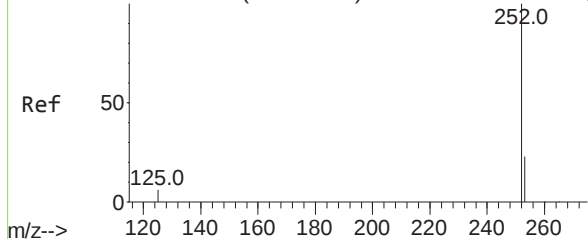


Benzo(b)fluoranthene
Concen: 46.041 ng m
RT: 22.948 min Scan# 2346
Delta R.T. 0.065 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.5	27.7
125	5.6	5.8	8.6#

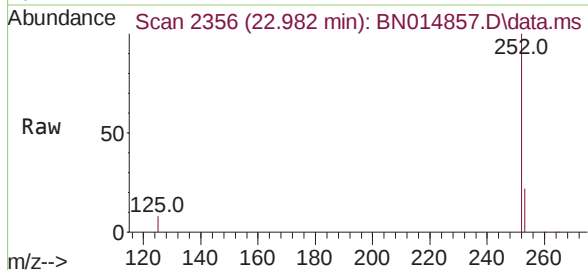


Abundance Scan 2340 (22.927 min): BN014849.D\data.ms (-233) (-)

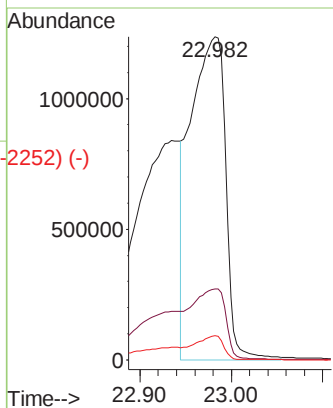
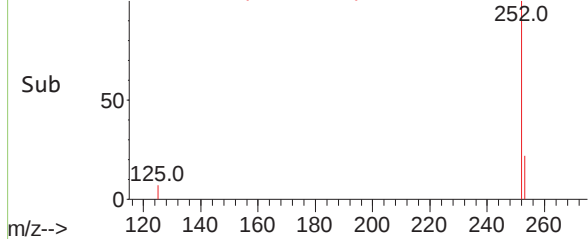


Benzo(k)fluoranthene
Concen: 42.795 ng m
RT: 22.982 min Scan# 2356
Delta R.T. 0.055 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

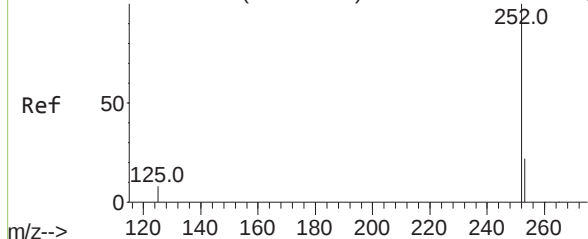
Tgt Ion:252 Resp: 3313076
Ion Ratio Lower Upper
252 100
253 22.0 19.1 28.7
125 7.5 5.4 8.0



Abundance Scan 2356 (22.982 min): BN014857.D\data.ms (-2252) (-)

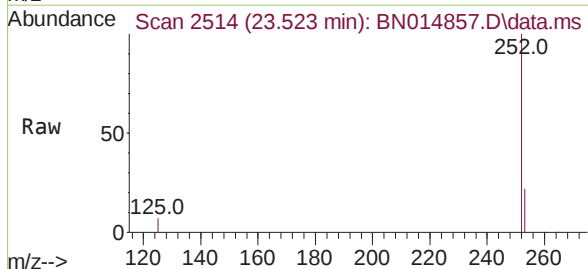


Abundance Scan 2496 (23.461 min): BN014849.D\data.ms (-2431) (-)

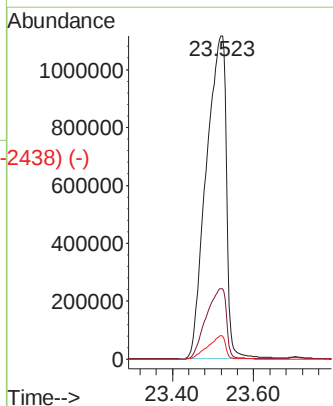
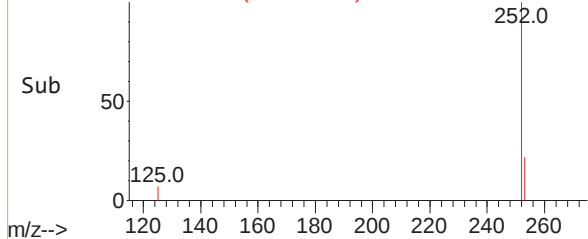


Benzo(a)pyrene
Concen: 62.429 ng
RT: 23.523 min Scan# 2514
Delta R.T. 0.062 min
Lab File: BN014857.D
Acq: 09 Jun 2021 17:40

Tgt Ion:252 Resp: 3846852
Ion Ratio Lower Upper
252 100
253 21.8 19.4 29.2
125 7.2 7.4 11.2#



Abundance Scan 2514 (23.523 min): BN014857.D\data.ms (-2438) (-)



Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Manual Integrations
APPROVED

mohammad
6/11/2021 1:27:17 PM