

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062221\
 Data File : BF124414.D
 Acq On : 22 Jun 2021 16:16
 Operator : JU/CG
 Sample : M2789-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1

Quant Time: Jun 22 16:41:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

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

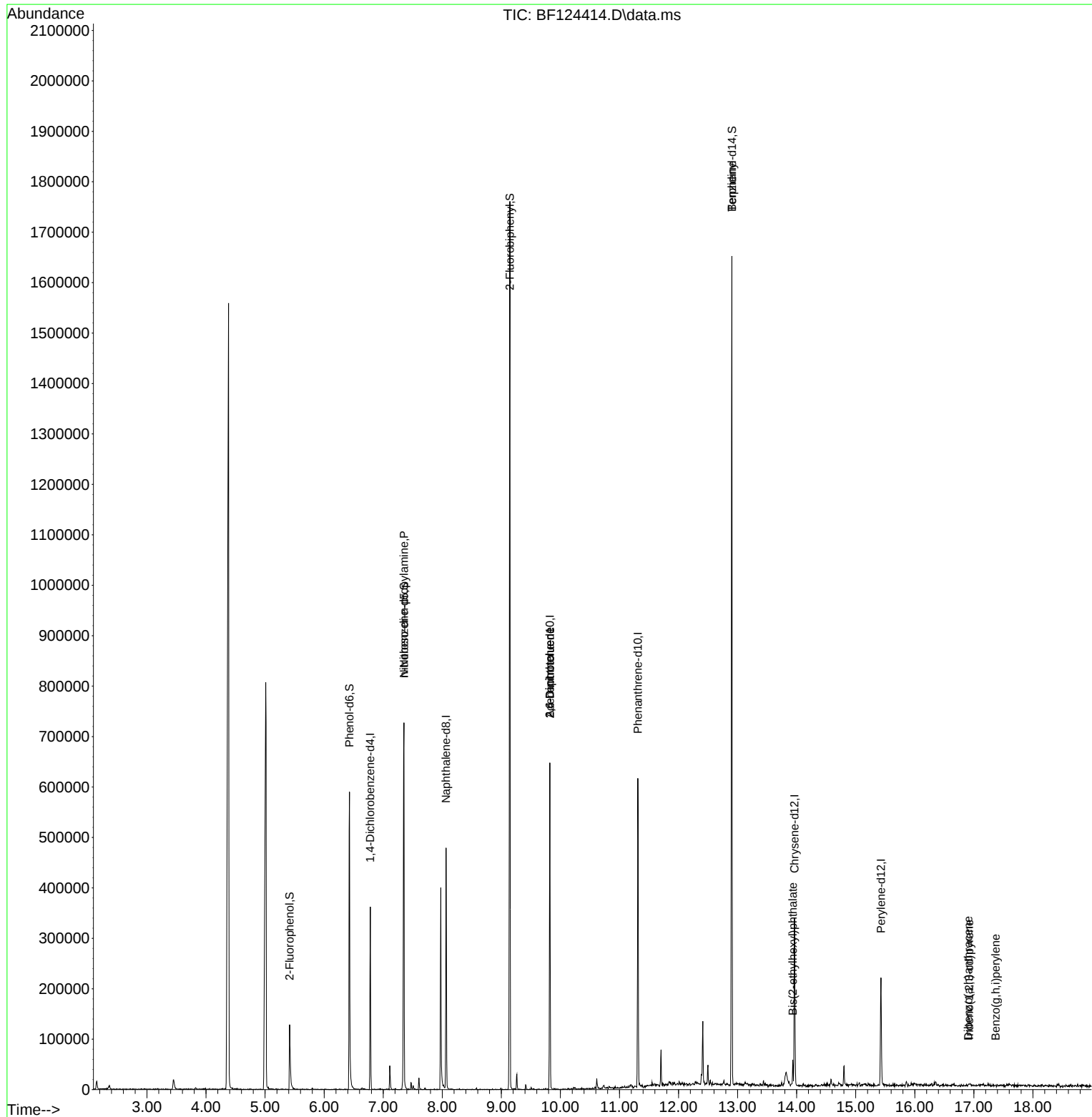
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	43696	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	178031	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	112667	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	210150	20.000	ng	0.00
76) Chrysene-d12	13.963	240	96270	20.000	ng	0.00
86) Perylene-d12	15.427	264	88816	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	38002	13.092	ng	0.00
7) Phenol-d6	6.428	99	174971	44.845	ng	-0.02
23) Nitrobenzene-d5	7.351	82	231504	51.574	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	2597	1.627	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	484405	54.103	ng	0.00
79) Terphenyl-d14	12.904	244	496421	70.797	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	32220	11.698	ng	# 70
51) 2,6-Dinitrotoluene	9.822	165	14919	6.980	ng	# 11
57) 2,4-Dinitrotoluene	9.822	165	14919	5.293	ng	# 17
77) Benzidine	12.904	184	9345	7.873	ng	# 84
84) Bis(2-ethylhexyl)phtha...	13.933	149	12860	2.883	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.921	276	700	4.421	ng	# 53
91) Dibenzo(a,h)anthracene	16.904	278	107	4.190	ng	# 57
92) Benzo(g,h,i)perylene	17.368	276	355	3.860	ng	# 56

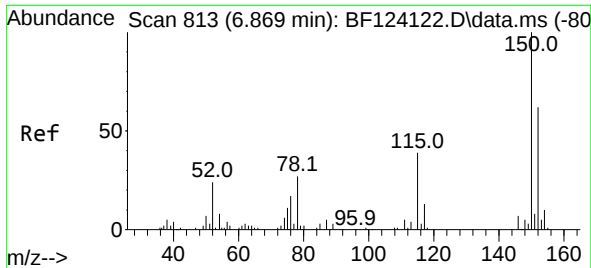
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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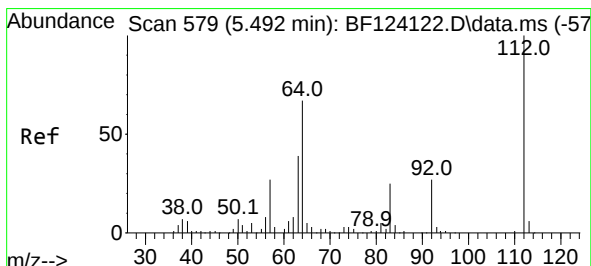
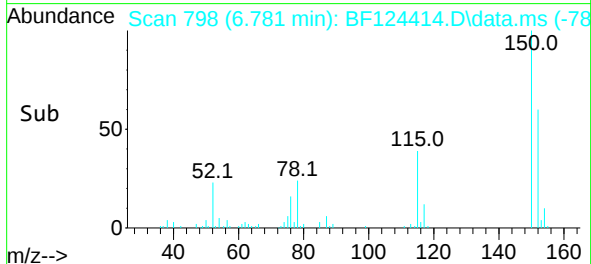
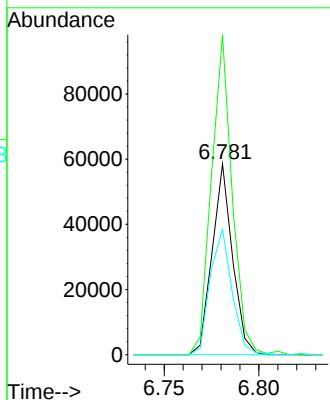
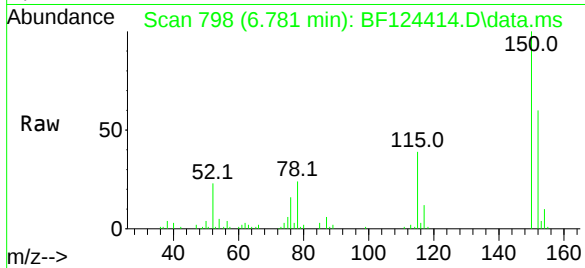




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

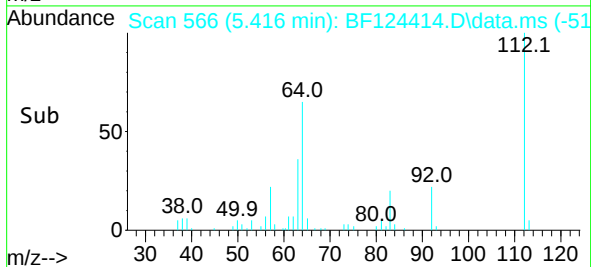
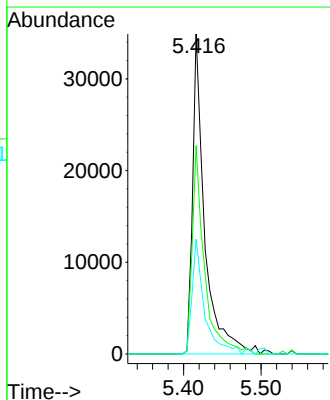
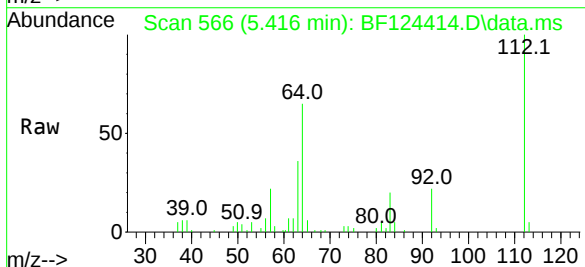
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T-1

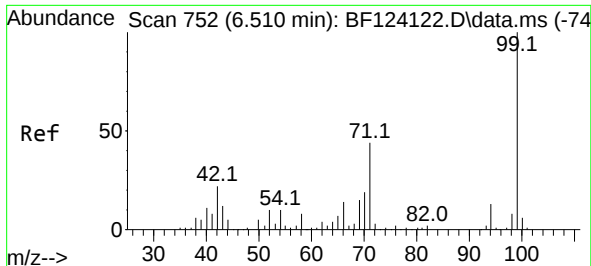
Tgt Ion:152 Resp: 43696
Ion Ratio Lower Upper
152 100
150 167.6 127.0 190.6
115 65.7 54.3 81.5



#5
2-Fluorophenol
Concen: 13.092 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Tgt Ion:112 Resp: 38002
Ion Ratio Lower Upper
112 100
64 65.1 61.4 92.0
63 35.9 33.0 49.4

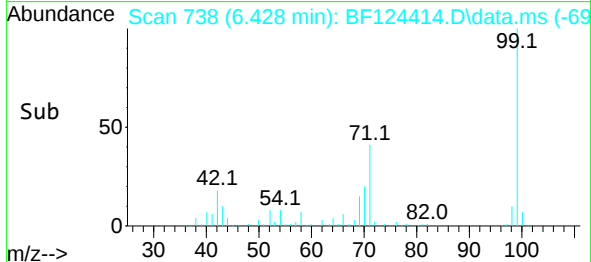
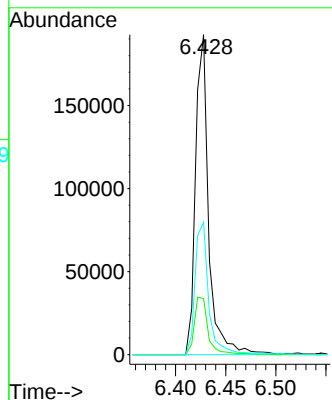
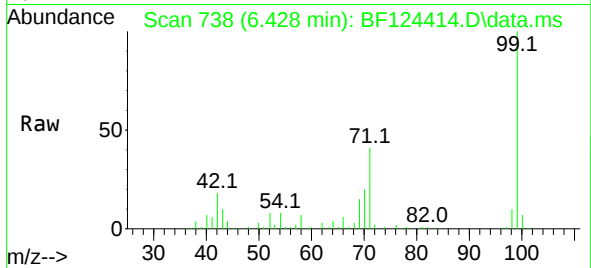




#7
Phenol-d6
Concen: 44.845 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.017 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

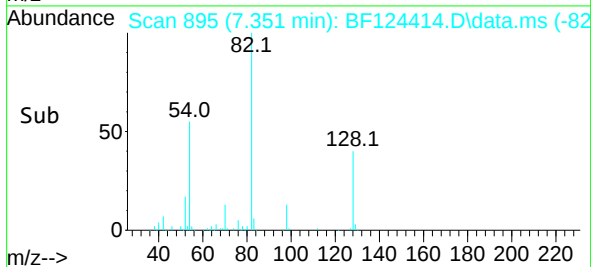
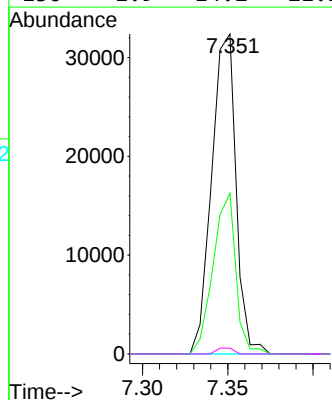
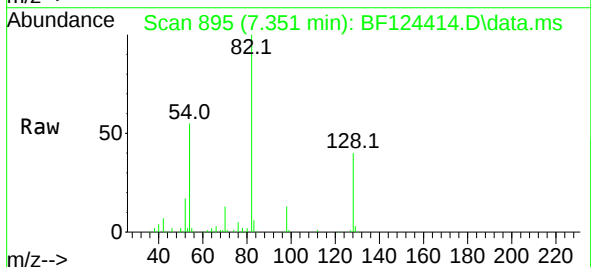
Instrument :
BNA_F
ClientSampleId :
T-1

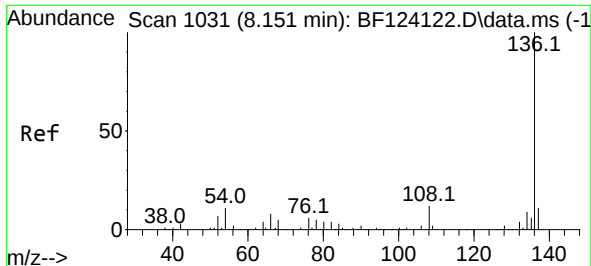
Tgt Ion: 99 Resp: 174971
Ion Ratio Lower Upper
99 100
42 17.5 19.8 29.8#
71 41.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.698 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

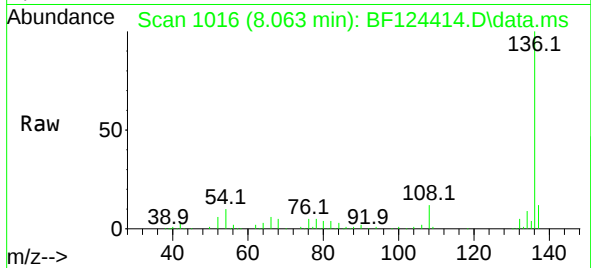
Tgt Ion: 70 Resp: 32220
Ion Ratio Lower Upper
70 100
42 50.3 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#



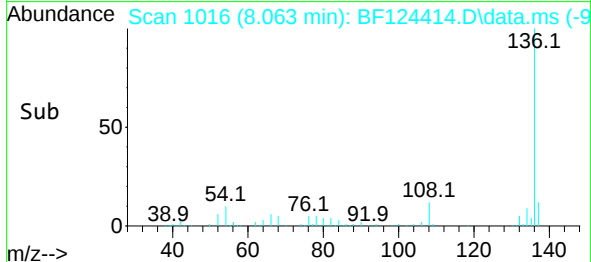
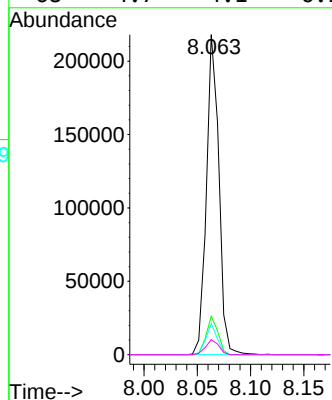


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Instrument :
BNA_F
ClientSampled :
T-1

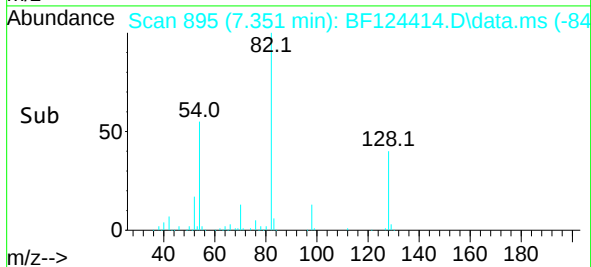
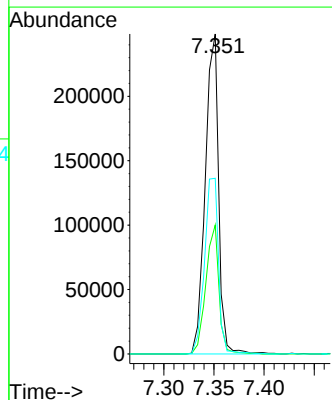
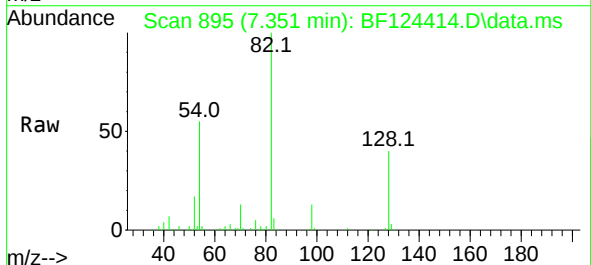


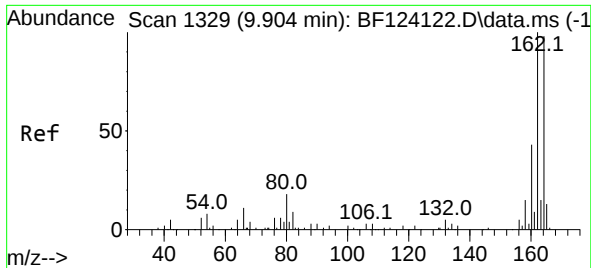
Tgt Ion:136 Resp: 178031
Ion Ratio Lower Upper
136 100
137 12.0 8.7 13.1
54 9.8 9.8 14.6#
68 4.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 51.574 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Tgt Ion: 82 Resp: 231504
Ion Ratio Lower Upper
82 100
128 40.3 29.4 44.2
54 54.9 54.1 81.1

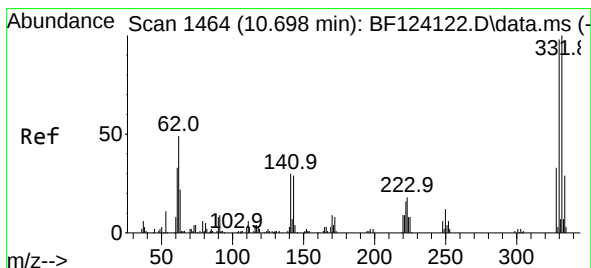
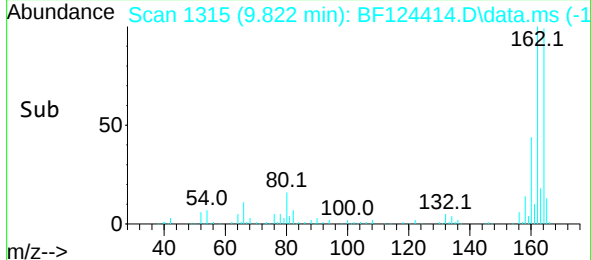
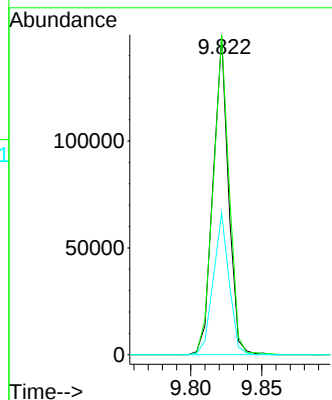
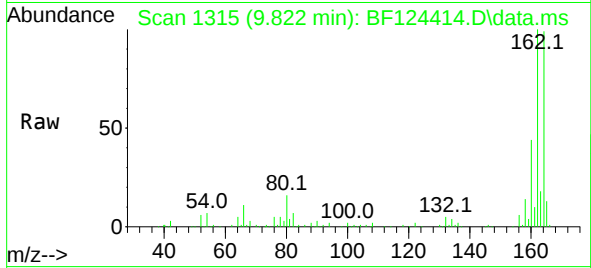




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

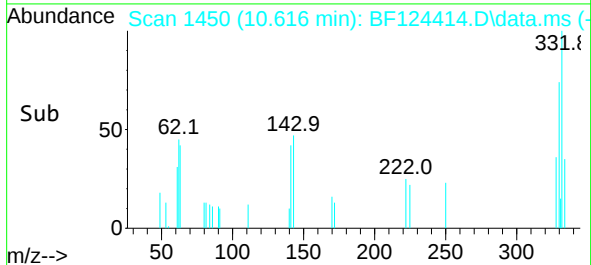
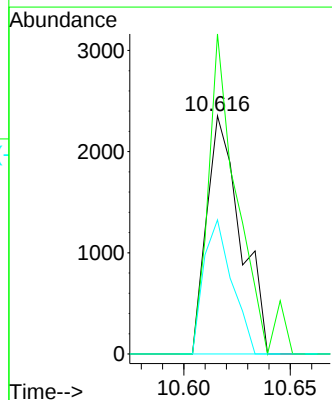
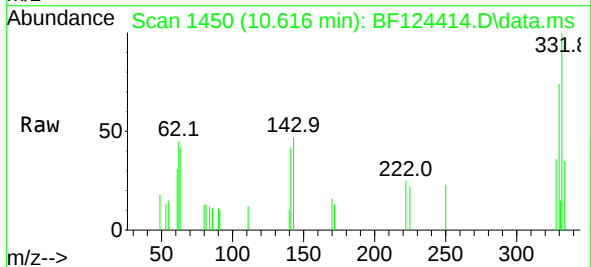
Instrument :
BNA_F
ClientSampled :
T-1

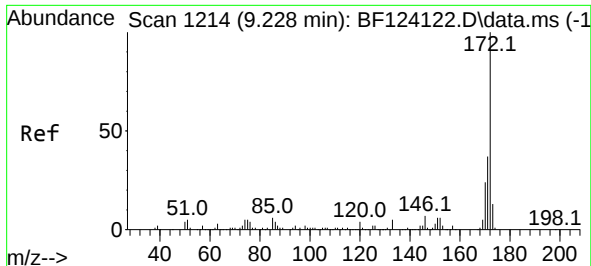
Tgt Ion:164 Resp: 112667
Ion Ratio Lower Upper
164 100
162 100.6 80.7 121.1
160 44.6 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 1.627 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Tgt Ion:330 Resp: 2597
Ion Ratio Lower Upper
330 100
332 117.1 77.1 115.7#
141 47.3 27.9 41.9#

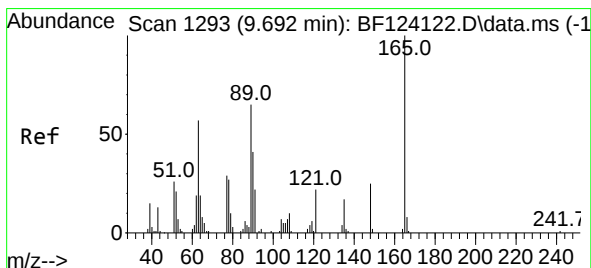
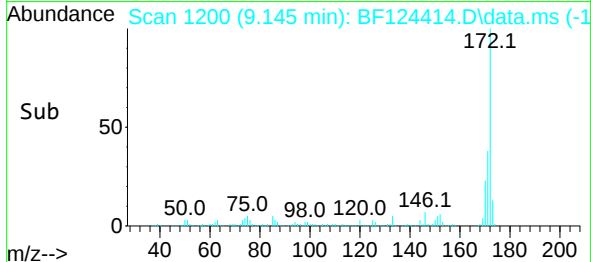
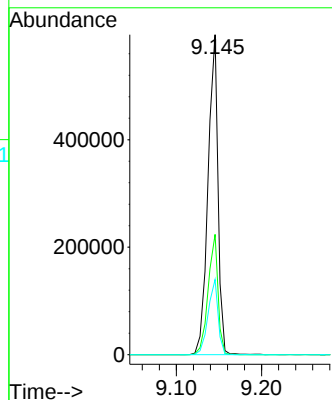
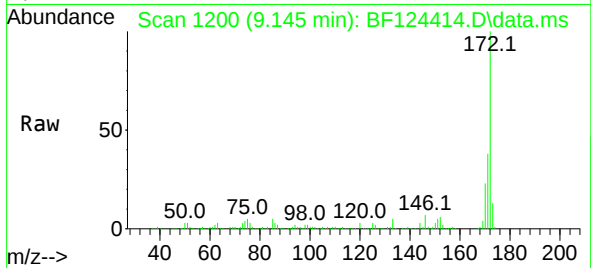




#45
2-Fluorobiphenyl
Concen: 54.103 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

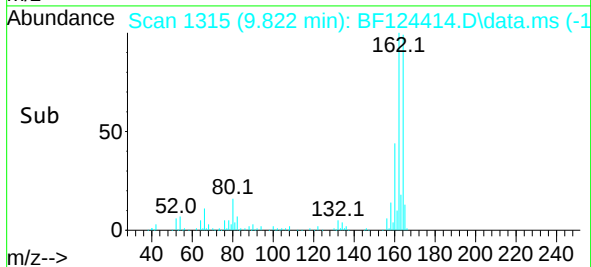
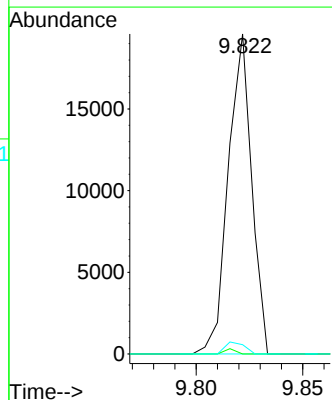
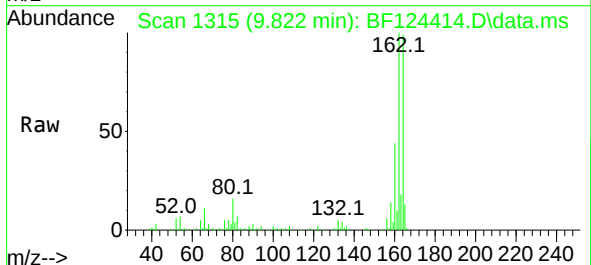
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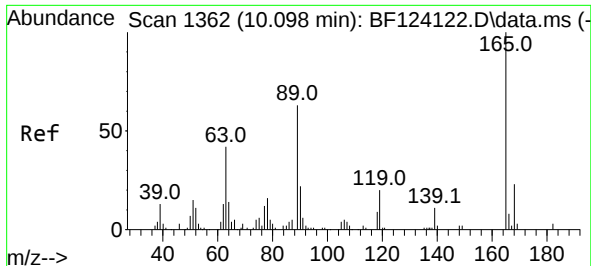
Tgt Ion:172 Resp: 484405
Ion Ratio Lower Upper
172 100
171 37.6 28.1 42.1
170 23.5 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 6.980 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Tgt Ion:165 Resp: 14919
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 2.9 58.8 88.2#

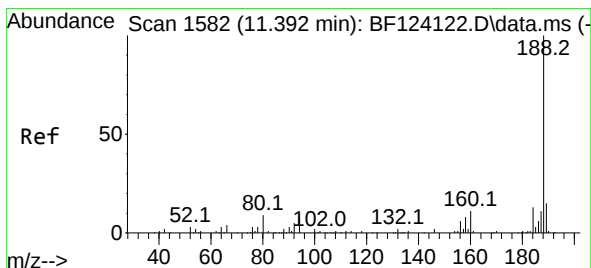
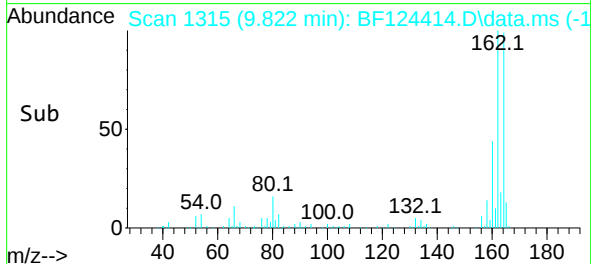
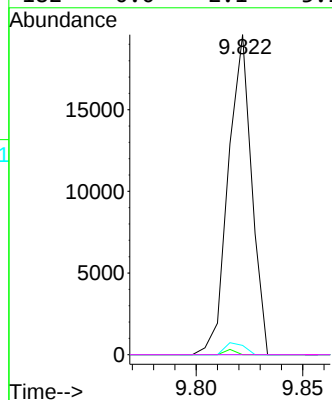
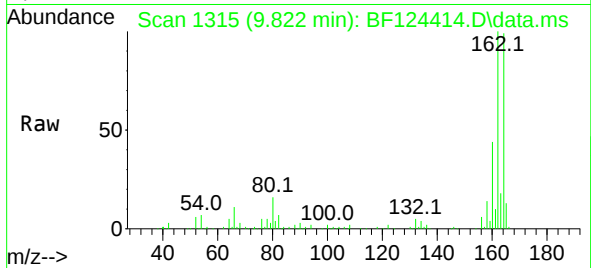




#57
2,4-Dinitrotoluene
Concen: 5.293 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

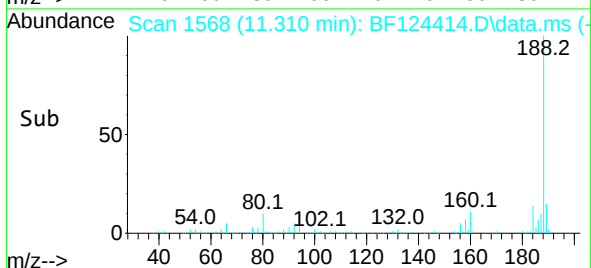
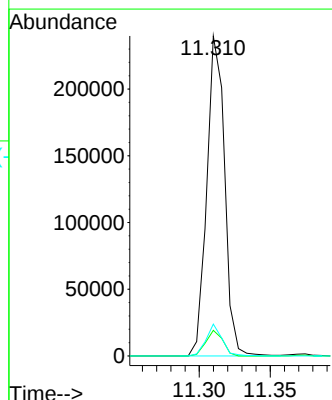
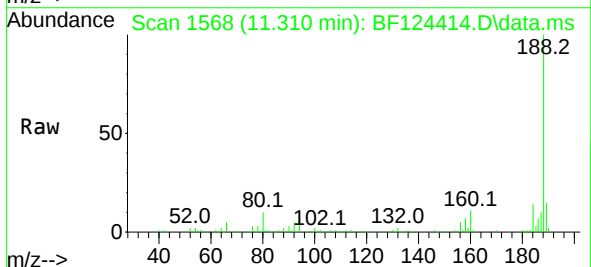
Instrument :
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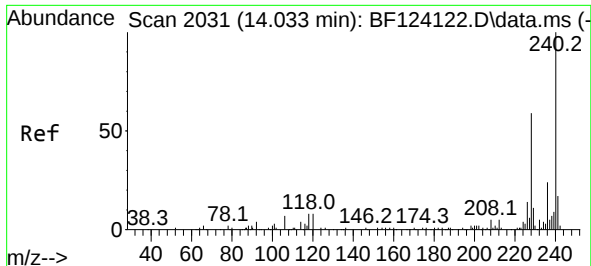
Tgt Ion:165 Resp: 14919
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 2.9 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Tgt Ion:188 Resp: 210150
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 10.0 8.2 12.2

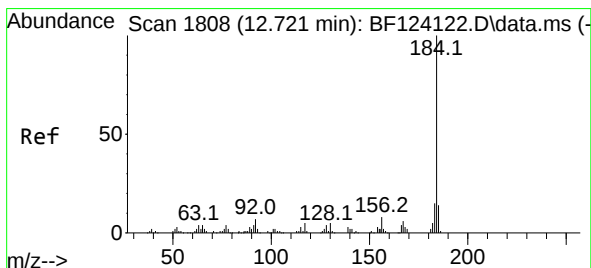
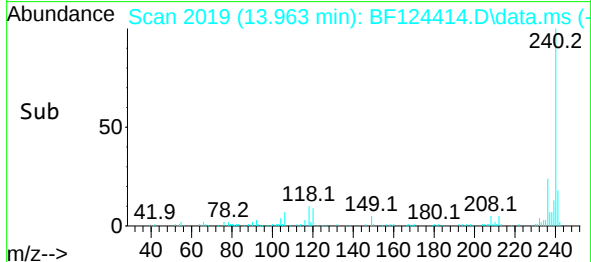
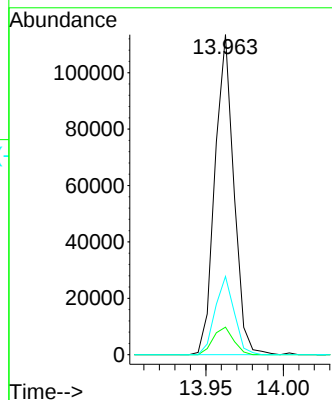
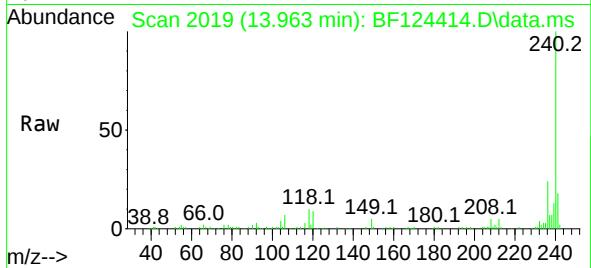




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

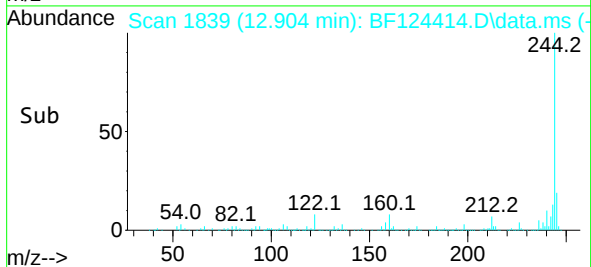
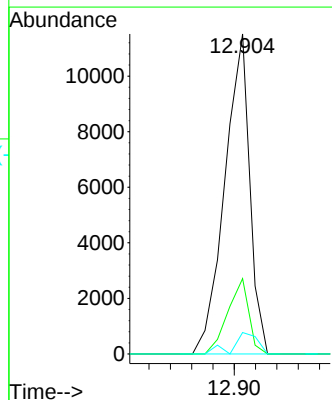
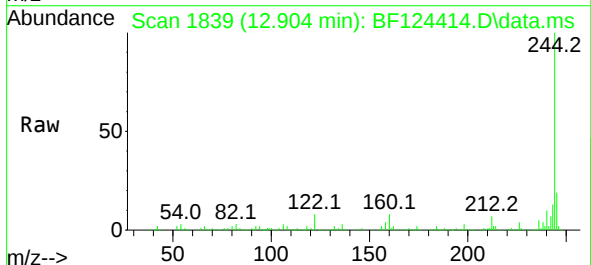
Instrument :
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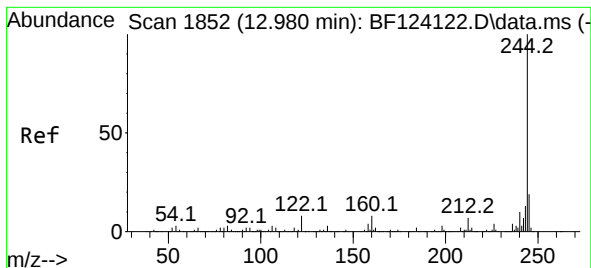
Tgt Ion:240 Resp: 96270
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 24.5 19.0 28.4



#77
Benzidine
Concen: 7.873 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.206 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Tgt Ion:184 Resp: 9345
Ion Ratio Lower Upper
184 100
185 23.6 12.1 18.1#
183 6.7 7.8 11.8#





#79

Terphenyl-d14

Concen: 70.797 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BF124414.D

Acq: 22 Jun 2021 16:16

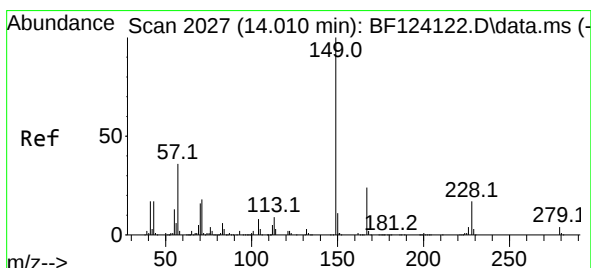
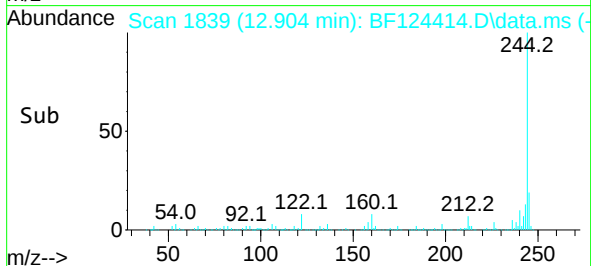
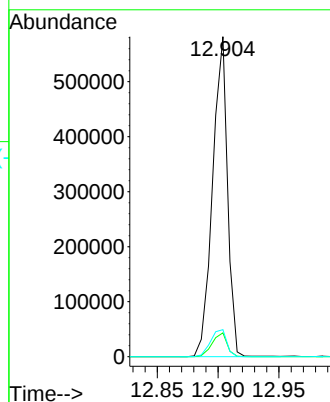
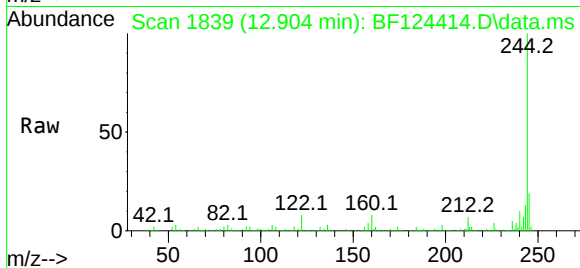
Tgt Ion:244 Resp: 496421

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 8.4 9.7 14.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.883 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF124414.D

Acq: 22 Jun 2021 16:16

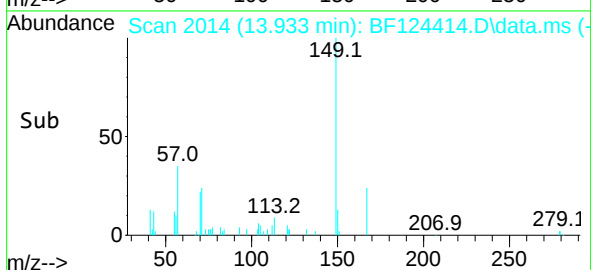
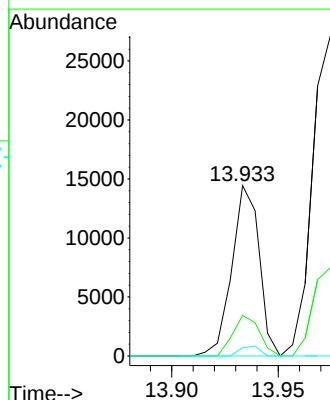
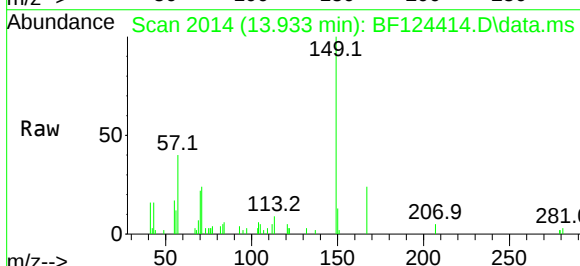
Tgt Ion:149 Resp: 12860

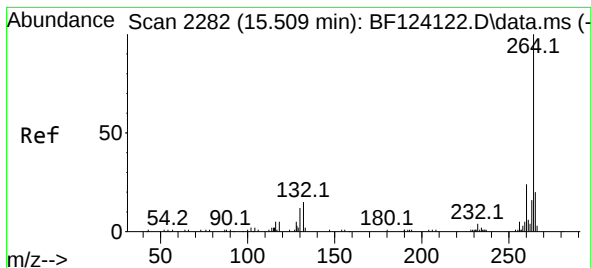
Ion Ratio Lower Upper

149 100

167 23.9 21.8 32.6

279 4.8 3.3 4.9

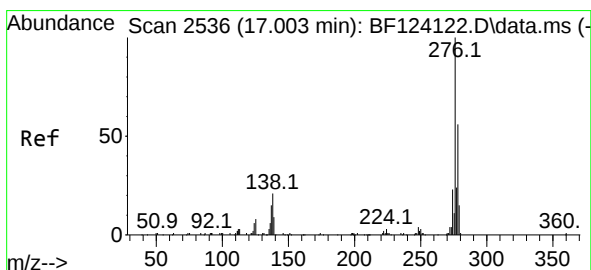
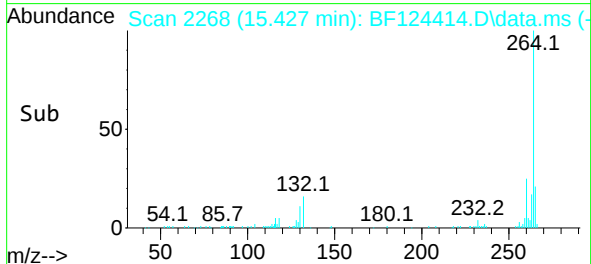
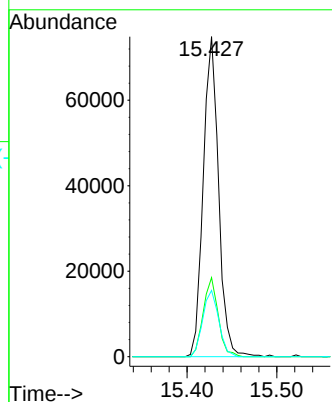
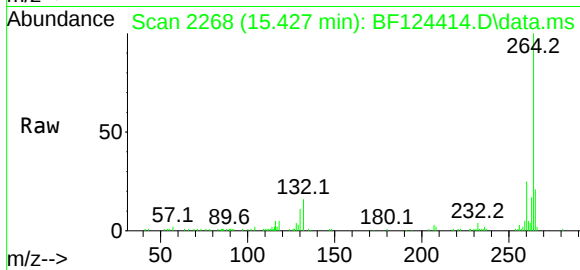




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.012 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

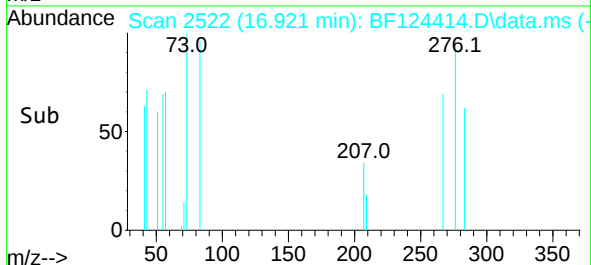
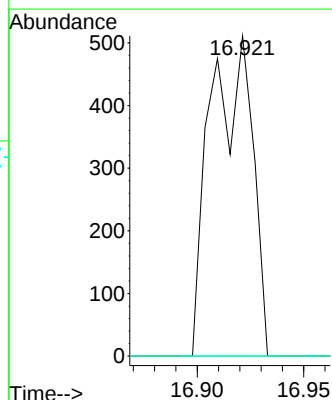
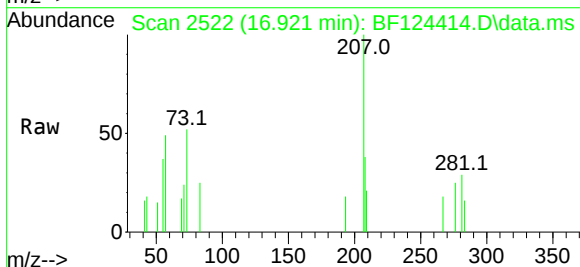
Instrument :
BNA_F
ClientSampleId :
T-1

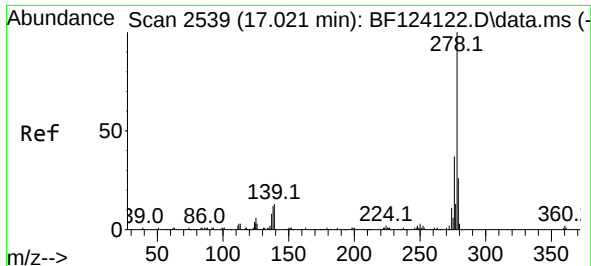
Tgt Ion:264 Resp: 88816
Ion Ratio Lower Upper
264 100
260 24.7 18.7 28.1
265 20.7 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.421 ng
RT: 16.921 min Scan# 2522
Delta R.T. 0.047 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Tgt Ion:276 Resp: 700
Ion Ratio Lower Upper
276 100
138 0.0 16.2 24.2#
277 0.0 20.1 30.1#

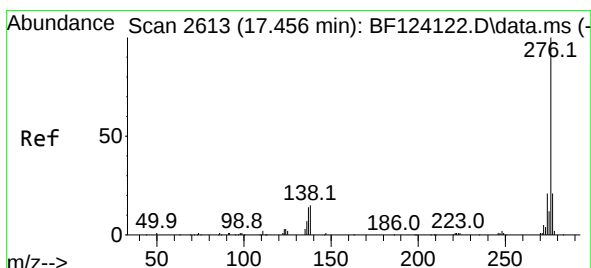
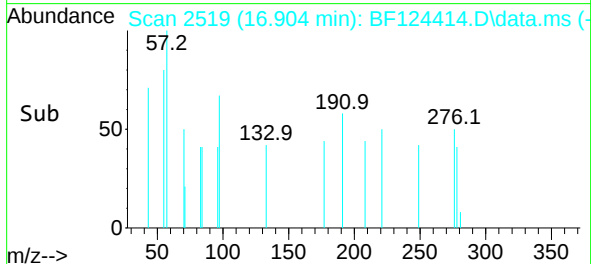
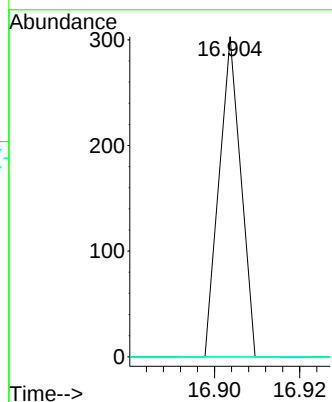
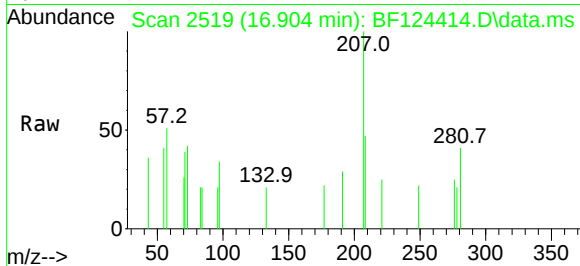




#91
Dibenzo(a,h)anthracene
Concen: 4.190 ng
RT: 16.904 min Scan# 2519
Delta R.T. 0.018 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Instrument :
BNA_F
ClientSampled :
T-1

Tgt Ion:278 Resp: 107
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 0.0 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 3.860 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.053 min
Lab File: BF124414.D
Acq: 22 Jun 2021 16:16

Tgt Ion:276 Resp: 355
Ion Ratio Lower Upper
276 100
277 0.0 18.2 27.2#
138 0.0 13.8 20.6#

