

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
 Data File : BF129424.D
 Acq On : 28 Jul 2022 23:36
 Operator : CG\JU
 Sample : N3893-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-19

Quant Time: Jul 29 02:10:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

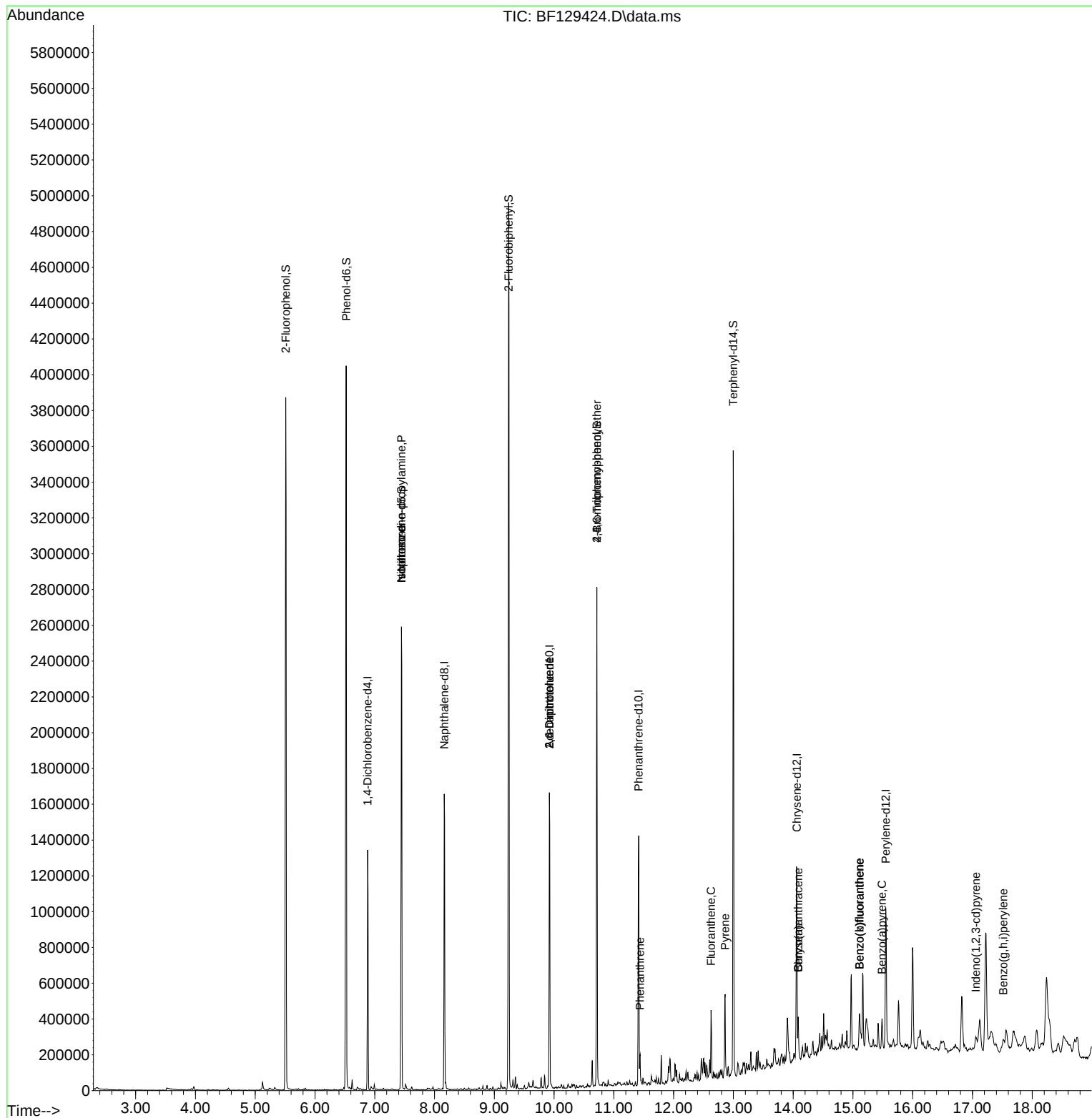
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	185541	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	723679	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	348692	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	480179	20.000	ng	0.00
76) Chrysene-d12	14.063	240	354162	20.000	ng	0.00
86) Perylene-d12	15.551	264	324842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1085492	95.303	ng	0.01
7) Phenol-d6	6.522	99	1375852	96.103	ng	0.00
23) Nitrobenzene-d5	7.445	82	875004	66.003	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	289184	86.261	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1550882	68.804	ng	0.00
79) Terphenyl-d14	12.998	244	1177269	62.712	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	118326	13.652	ng	# 74
25) Isophorone	7.445	82	874894	36.817	ng	# 65
51) 2,6-Dinitrotoluene	9.922	165	46007	8.539	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	46007	6.537	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	18423	3.504	ng	# 1
71) Phenanthrene	11.439	178	59571	2.273	ng	97
75) Fluoranthene	12.627	202	123970	4.668	ng	99
78) Pyrene	12.863	202	181781	6.138	ng	97
81) Benzo(a)anthracene	14.086	228	101635	4.201	ng	94
83) Chrysene	14.086	228	101635	4.458	ng	97
87) Indeno(1,2,3-cd)pyrene	17.056	276	45523	2.081	ng	96
88) Benzo(b)fluoranthene	15.110	252	136712	6.345	ng	# 97
89) Benzo(k)fluoranthene	15.110	252	136712	6.474	ng	# 97
90) Benzo(a)pyrene	15.486	252	71111	4.065	ng	94
92) Benzo(g,h,i)perylene	17.515	276	48096	2.644	ng	99

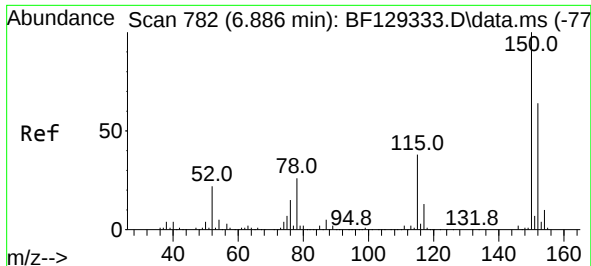
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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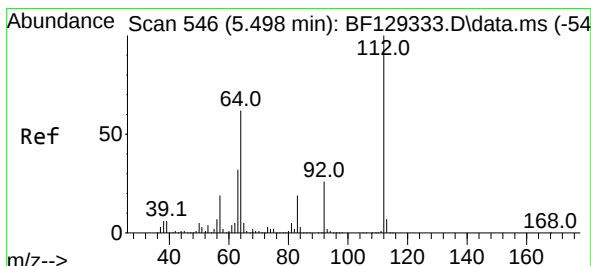
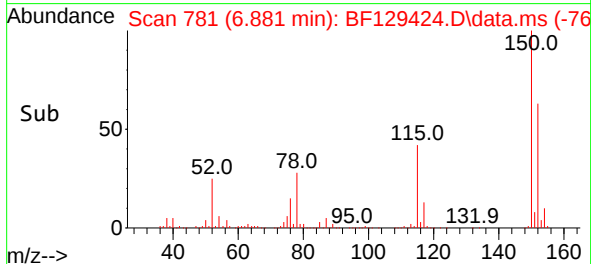
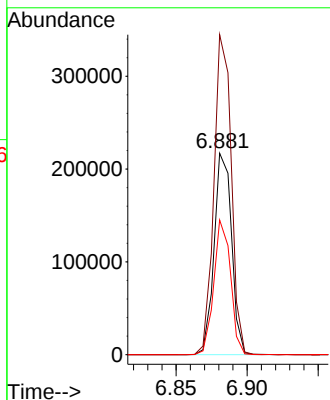
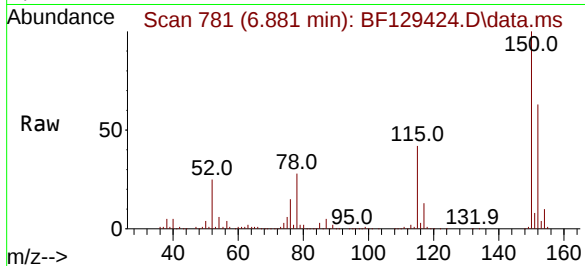




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

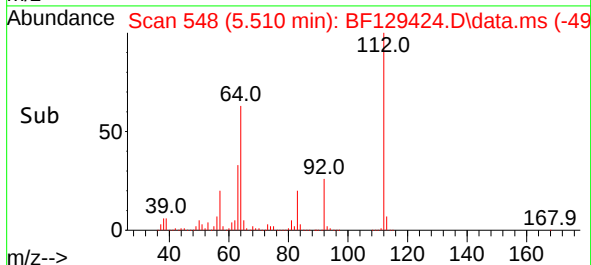
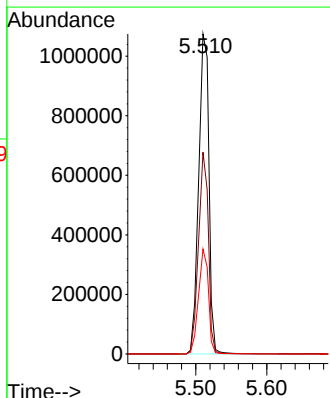
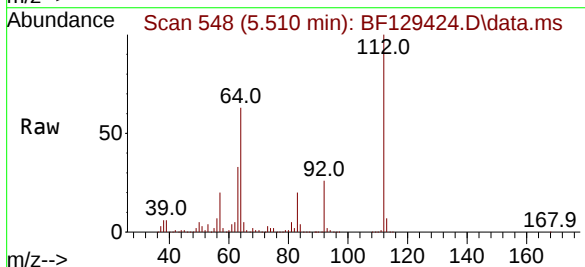
Instrument :
BNA_F
ClientSampleId :
RVE-19

Tgt Ion:152 Resp: 185541
Ion Ratio Lower Upper
152 100
150 158.8 123.7 185.5
115 66.9 49.9 74.9



#5
2-Fluorophenol
Concen: 95.303 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.012 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Tgt Ion:112 Resp: 1085492
Ion Ratio Lower Upper
112 100
64 63.1 53.3 79.9
63 32.7 28.0 42.0

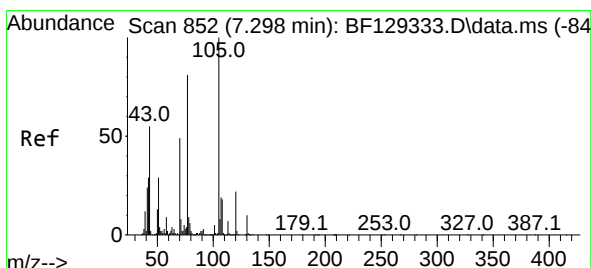
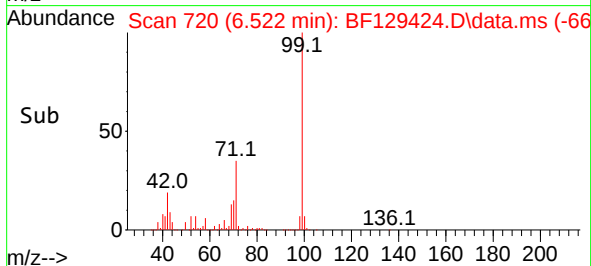
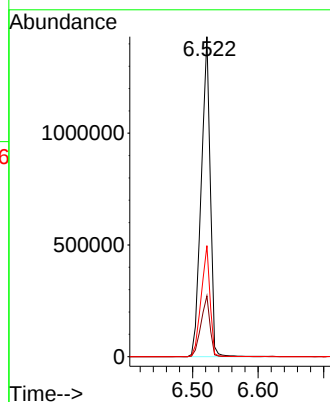
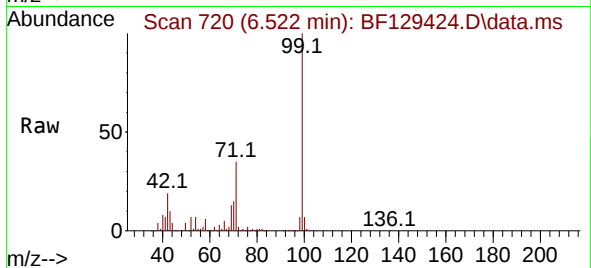




#7
Phenol-d6
Concen: 96.103 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

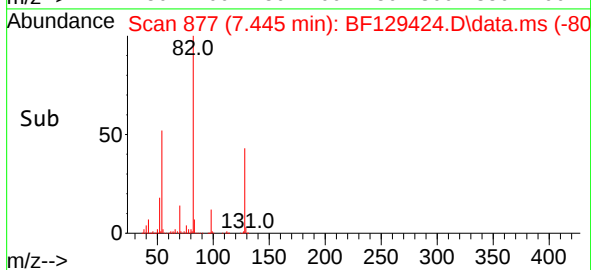
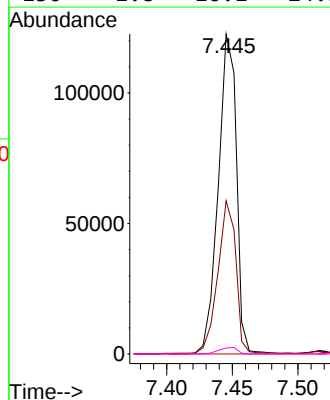
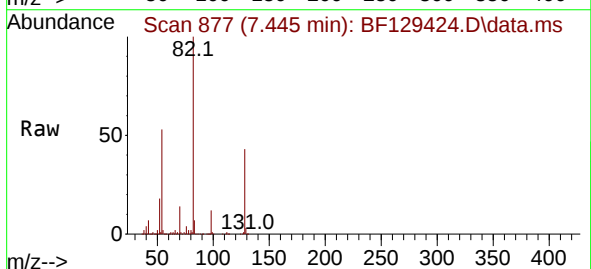
Instrument :
BNA_F
ClientSampleId :
RVE-19

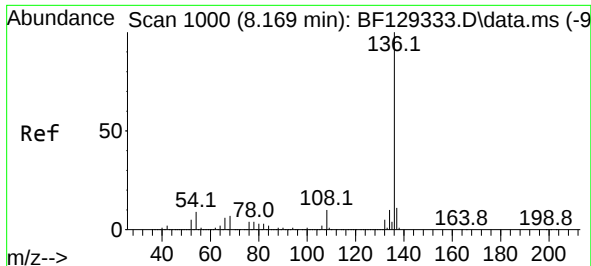
Tgt Ion: 99 Resp: 1375852
Ion Ratio Lower Upper
99 100
42 19.0 17.3 25.9
71 34.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.652 ng
RT: 7.445 min Scan# 877
Delta R.T. 0.147 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Tgt Ion: 70 Resp: 118326
Ion Ratio Lower Upper
70 100
42 47.9 52.3 78.5#
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#



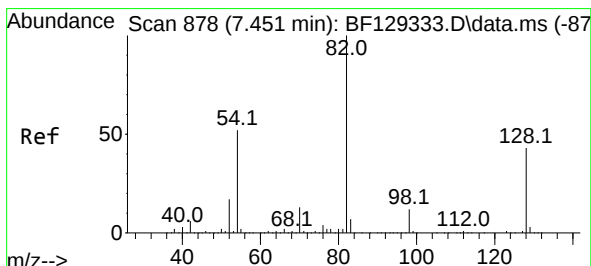
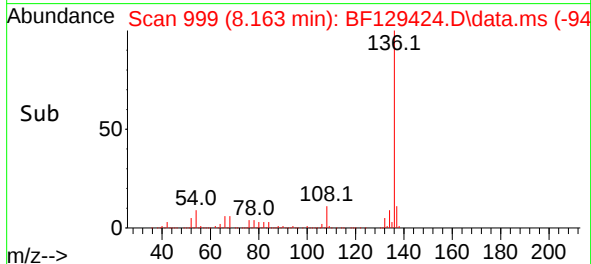
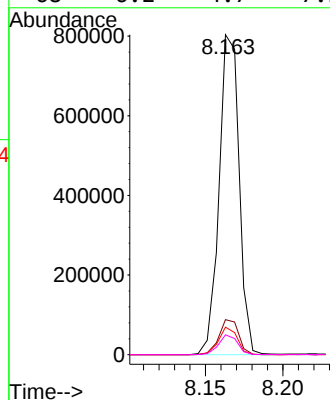
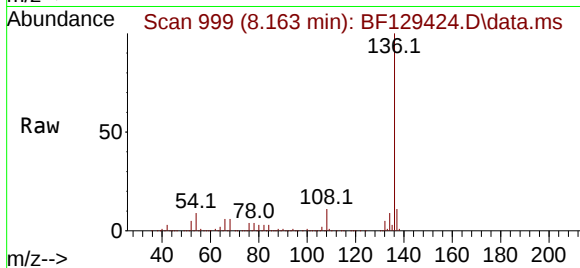


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Instrument :
BNA_F
ClientSampleId :
RVE-19

Tgt Ion:136 Resp: 723679

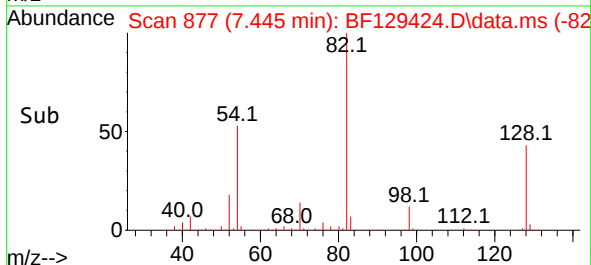
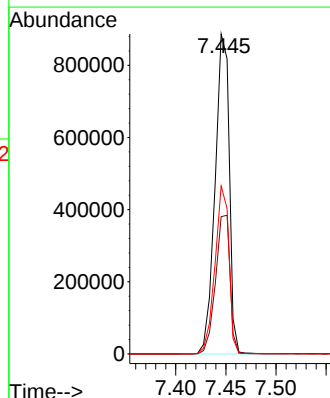
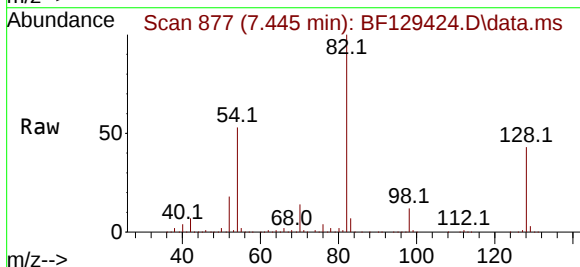
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	7.5	11.3
68	6.2	4.7	7.1

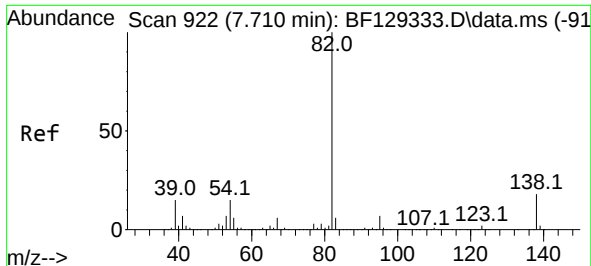


#23
Nitrobenzene-d5
Concen: 66.003 ng
RT: 7.445 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Tgt Ion: 82 Resp: 875004

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.0	51.0
54	52.5	46.9	70.3

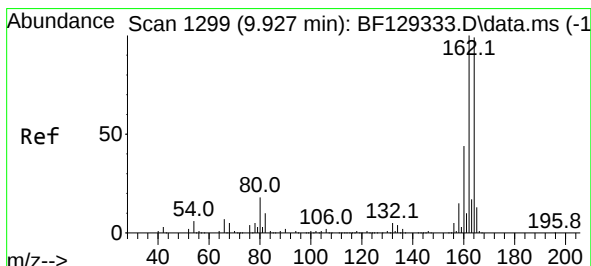
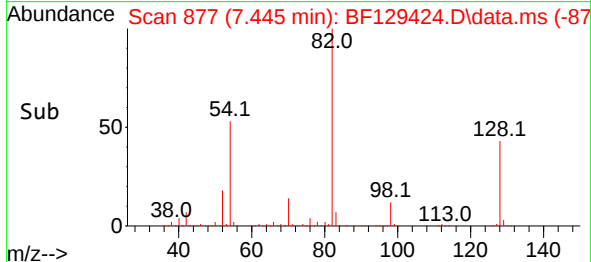
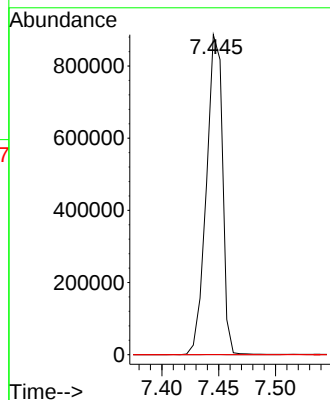
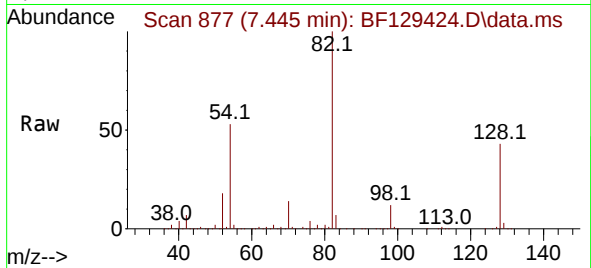




#25
Isophorone
Concen: 36.817 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

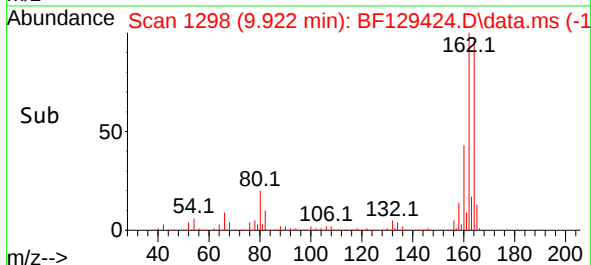
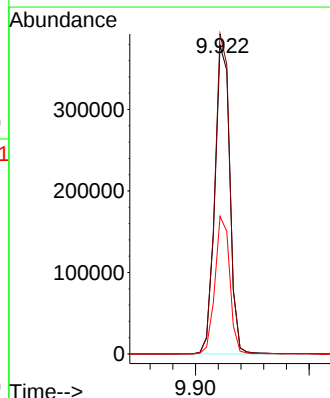
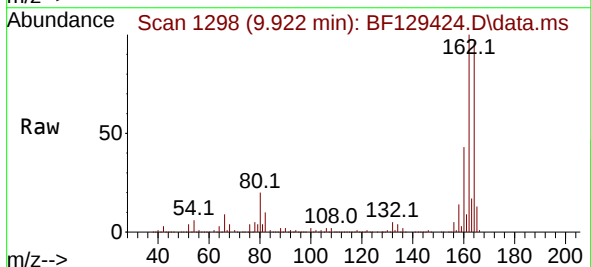
Instrument :
BNA_F
ClientSampleId :
RVE-19

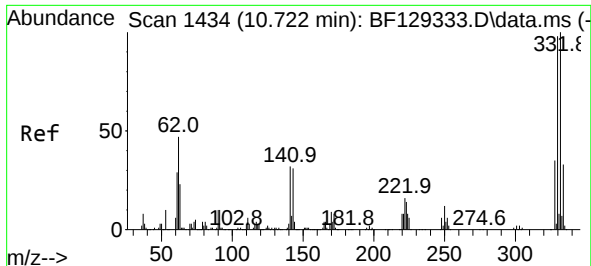
Tgt Ion: 82 Resp: 874894
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Tgt Ion:164 Resp: 348692
Ion Ratio Lower Upper
164 100
162 103.7 79.5 119.3
160 44.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 86.261 ng

RT: 10.716 min Scan# 1433

Delta R.T. -0.006 min

Lab File: BF129424.D

Acq: 28 Jul 2022 23:36

Instrument :

BNA_F

ClientSampleId :

RVE-19

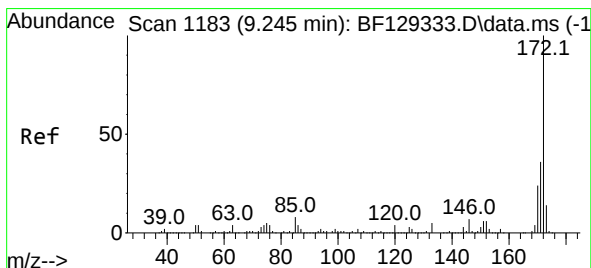
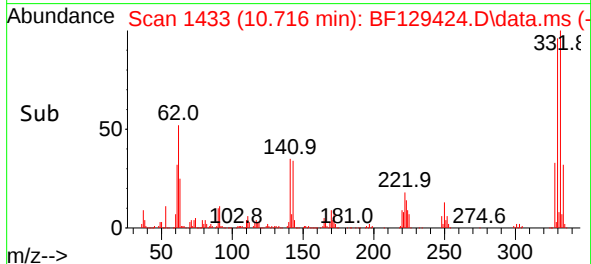
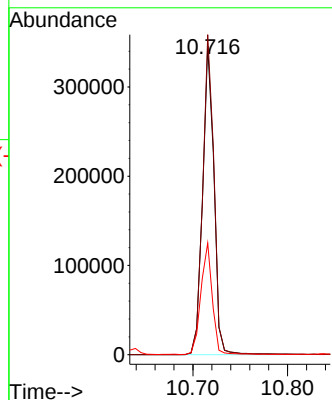
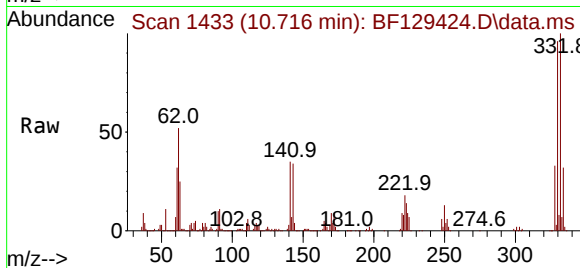
Tgt Ion:330 Resp: 289184

Ion Ratio Lower Upper

330 100

332 102.9 76.8 115.2

141 36.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 68.804 ng

RT: 9.239 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF129424.D

Acq: 28 Jul 2022 23:36

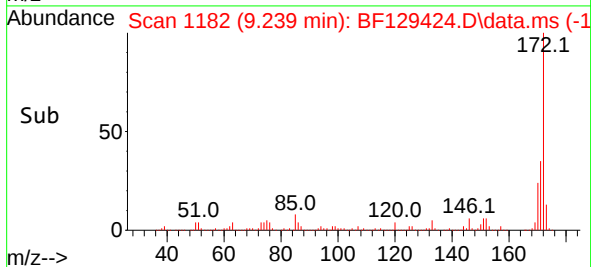
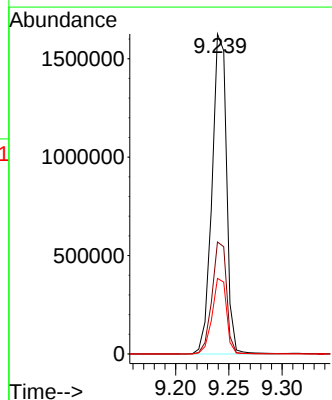
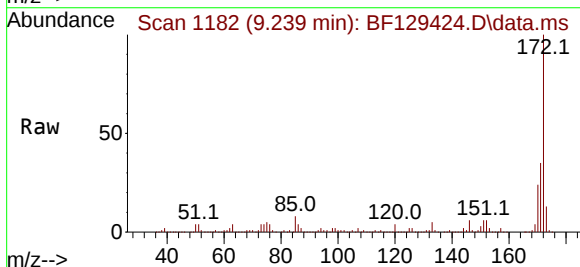
Tgt Ion:172 Resp: 1550882

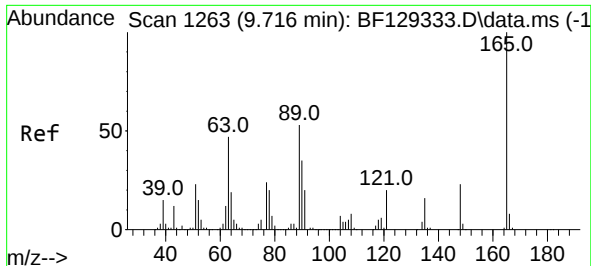
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.6 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.539 ng

RT: 9.922 min Scan# 1298

Delta R.T. 0.206 min

Lab File: BF129424.D

Acq: 28 Jul 2022 23:36

Instrument :

BNA_F

ClientSampleId :

RVE-19

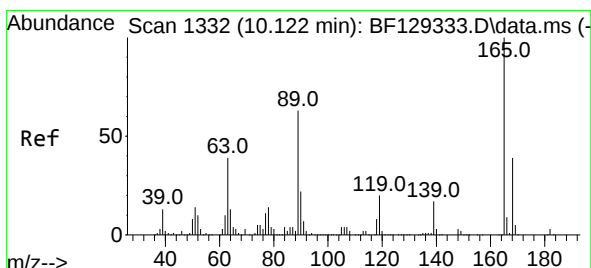
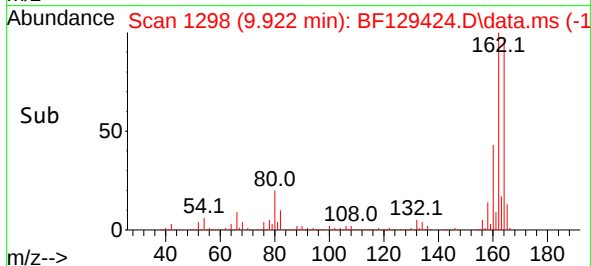
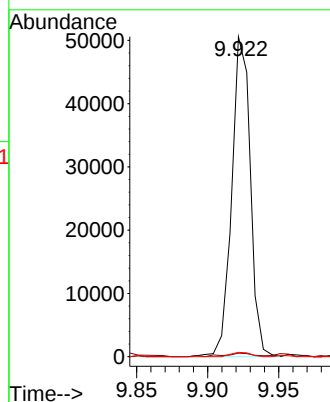
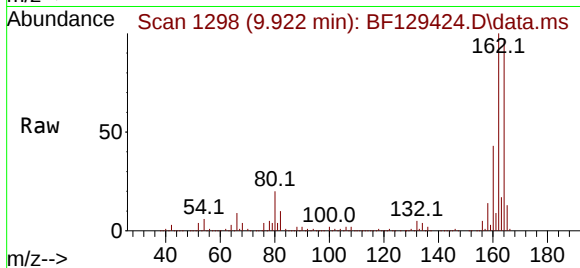
Tgt Ion:165 Resp: 46007

Ion Ratio Lower Upper

165 100

63 1.1 44.9 67.3#

89 1.4 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.537 ng

RT: 9.922 min Scan# 1298

Delta R.T. -0.200 min

Lab File: BF129424.D

Acq: 28 Jul 2022 23:36

Tgt Ion:165 Resp: 46007

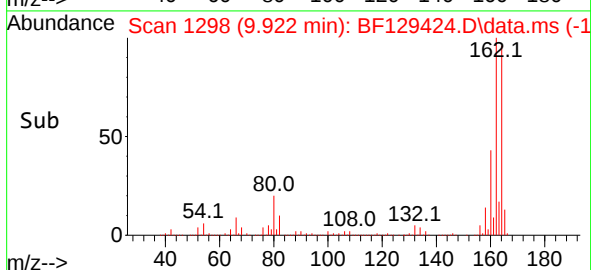
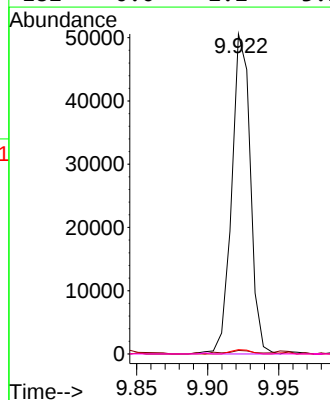
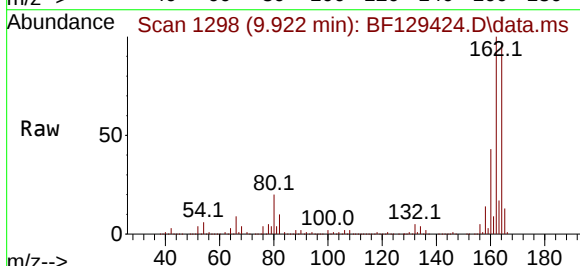
Ion Ratio Lower Upper

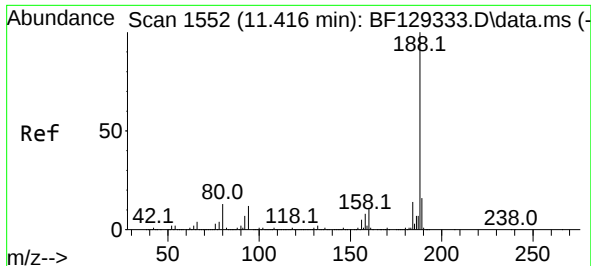
165 100

63 1.1 39.8 59.6#

89 1.4 60.2 90.2#

182 0.0 2.2 3.2#

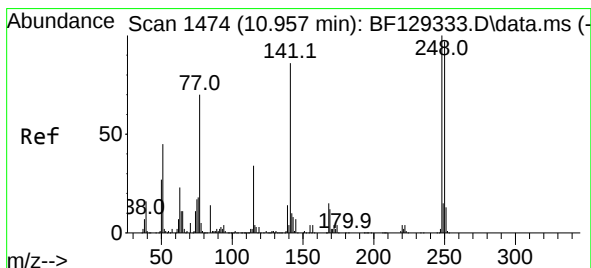
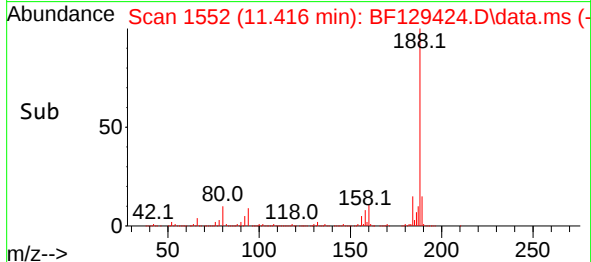
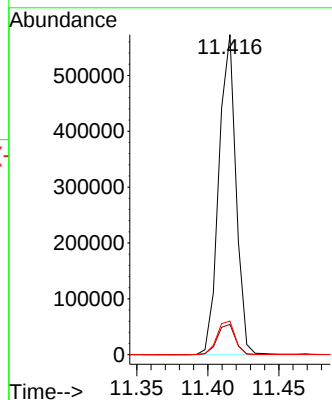
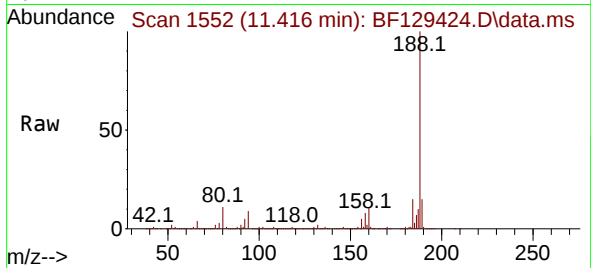




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

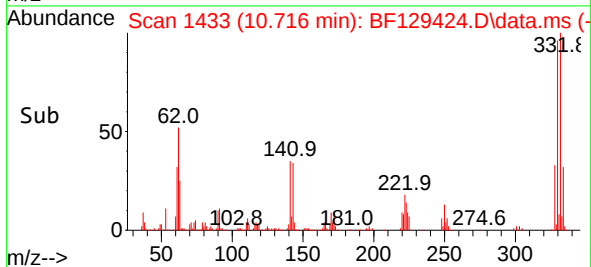
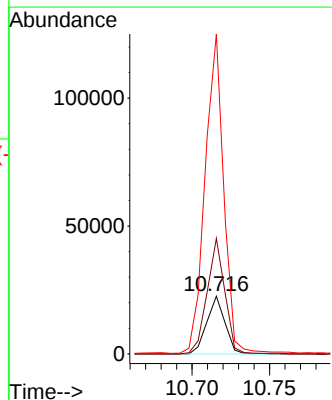
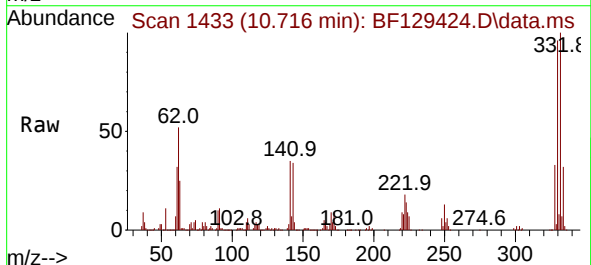
Instrument :
BNA_F
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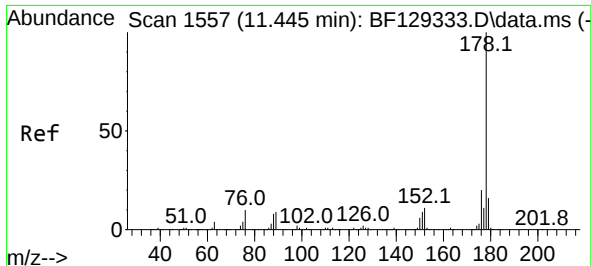
Tgt Ion:188 Resp: 480179
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 10.5 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.504 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.241 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Tgt Ion:248 Resp: 18423
Ion Ratio Lower Upper
248 100
250 200.2 80.6 120.8#
141 554.1 58.9 88.3#

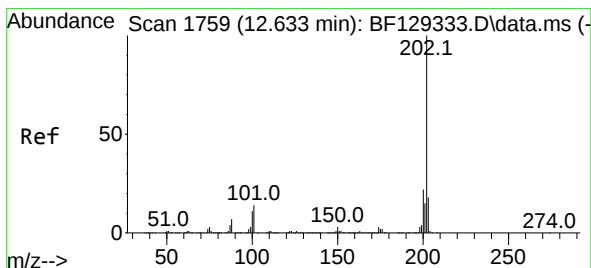
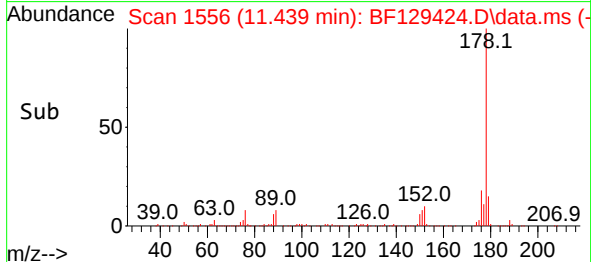
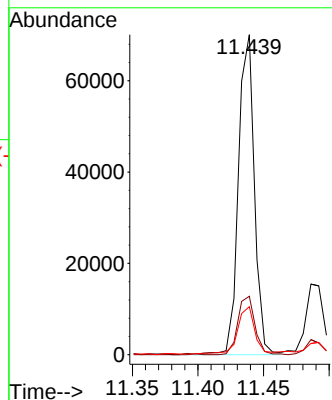
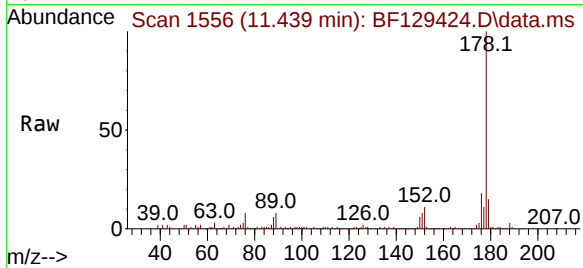




#71
Phenanthrene
Concen: 2.273 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

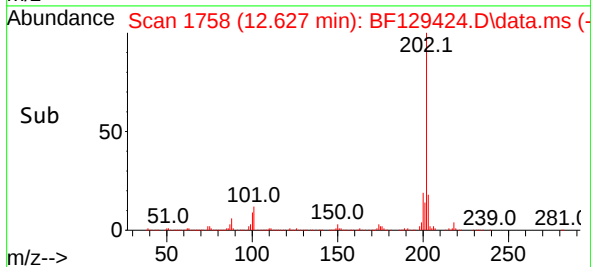
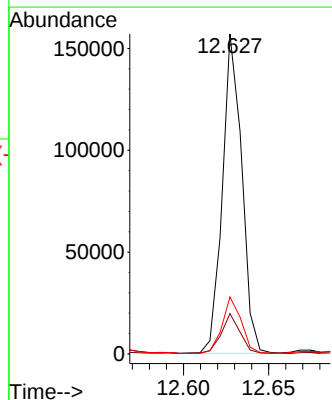
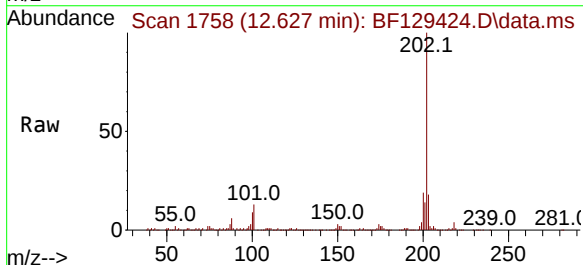
Instrument :
BNA_F
ClientSampleId :
RVE-19

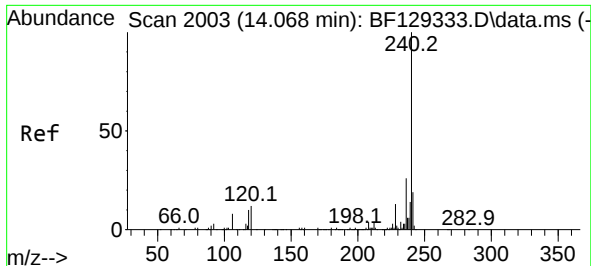
Tgt Ion:178 Resp: 59571
Ion Ratio Lower Upper
178 100
176 18.3 16.0 24.0
179 15.0 12.6 19.0



#75
Fluoranthene
Concen: 4.668 ng
RT: 12.627 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Tgt Ion:202 Resp: 123970
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.4
203 17.8 0.0 38.0

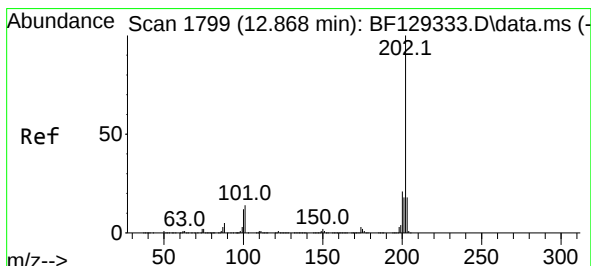
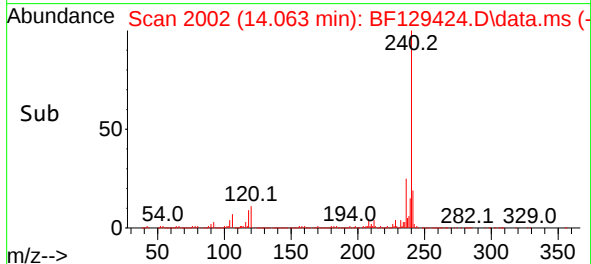
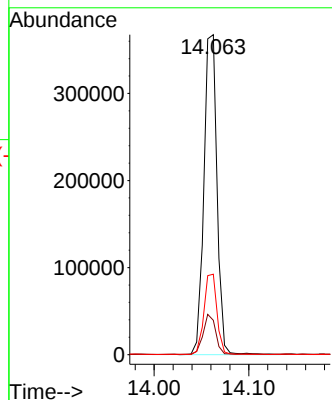
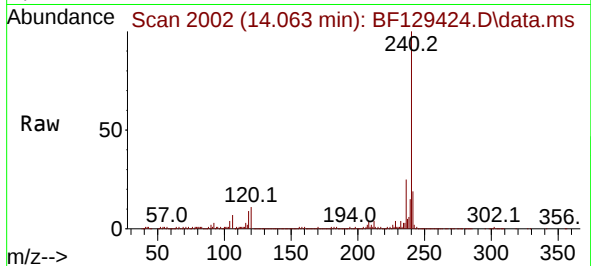




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

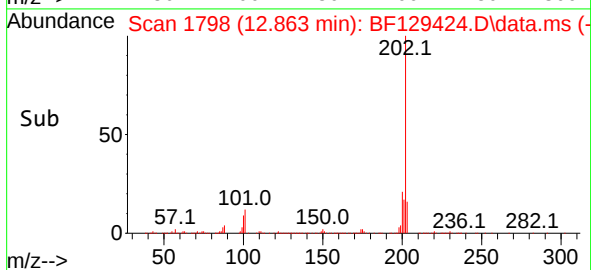
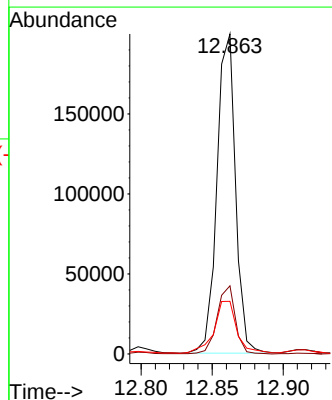
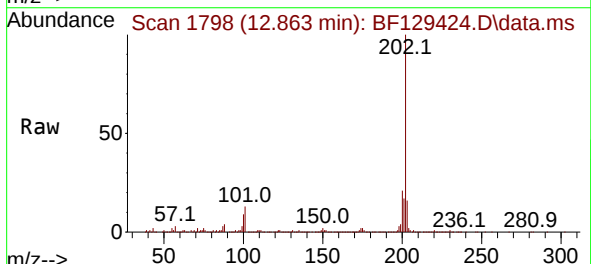
Instrument :
BNA_F
ClientSampleId :
RVE-19

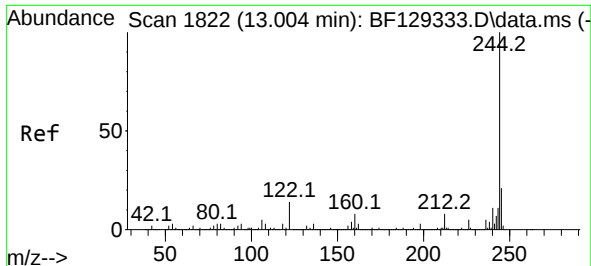
Tgt Ion:240 Resp: 354162
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.2 20.8 31.2



#78
Pyrene
Concen: 6.138 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Tgt Ion:202 Resp: 181781
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 16.5 14.6 21.8

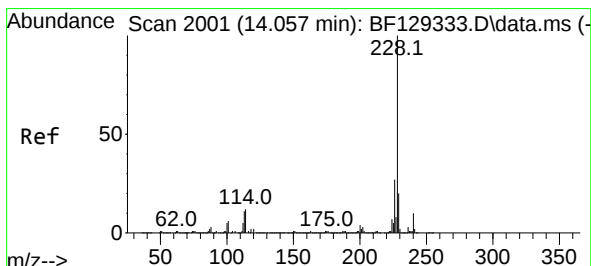
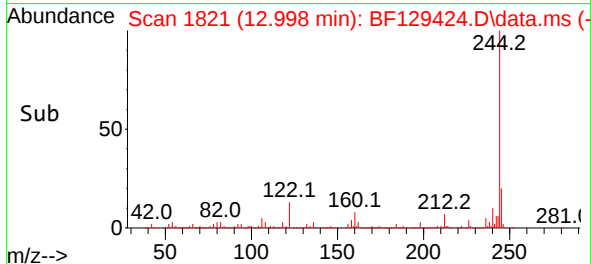
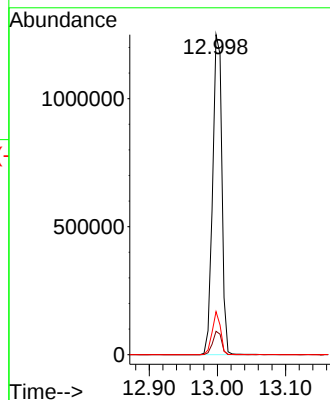
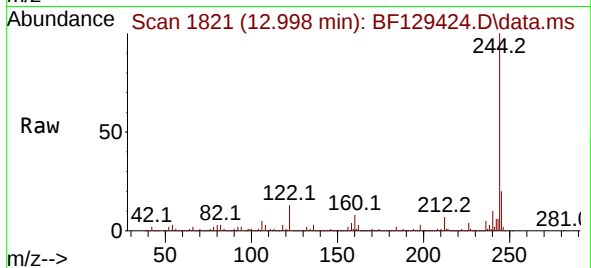




#79
 Terphenyl-d14
 Concen: 62.712 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129424.D
 Acq: 28 Jul 2022 23:36

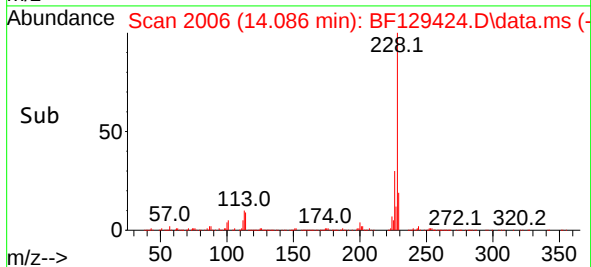
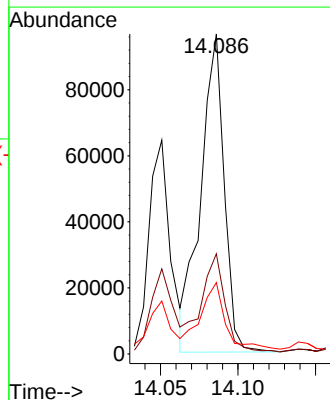
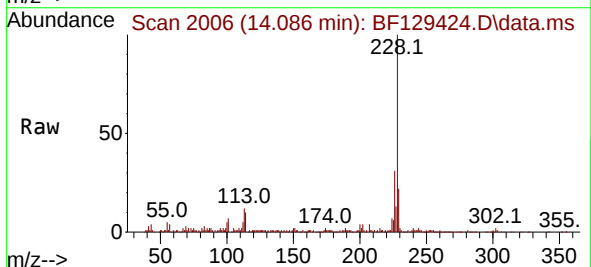
Instrument :
 BNA_F
 ClientSampleId :
 RVE-19

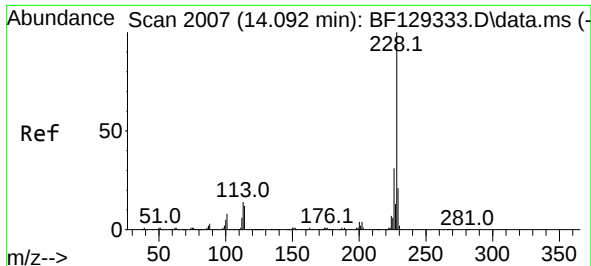
Tgt Ion:244 Resp: 1177269
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 13.4 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 4.201 ng
 RT: 14.086 min Scan# 2006
 Delta R.T. 0.029 min
 Lab File: BF129424.D
 Acq: 28 Jul 2022 23:36

Tgt Ion:228 Resp: 101635
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.1 33.1
 229 22.3 15.8 23.8

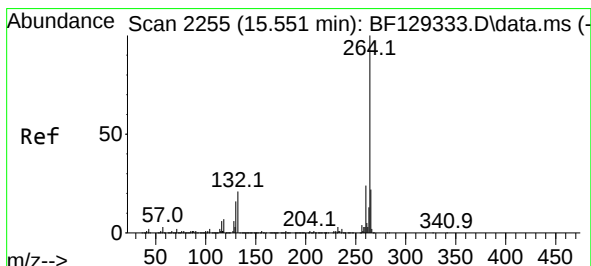
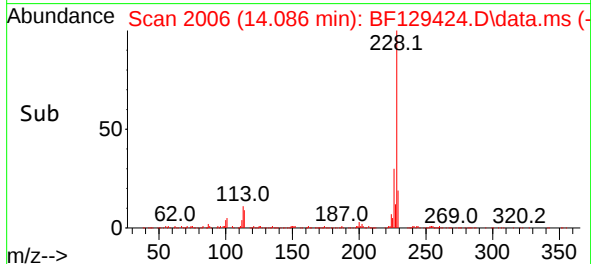
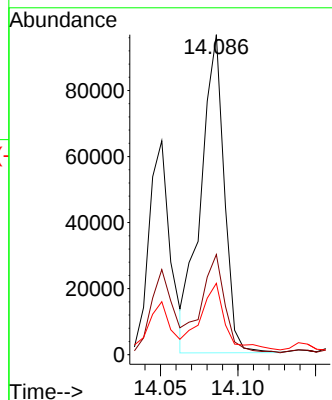
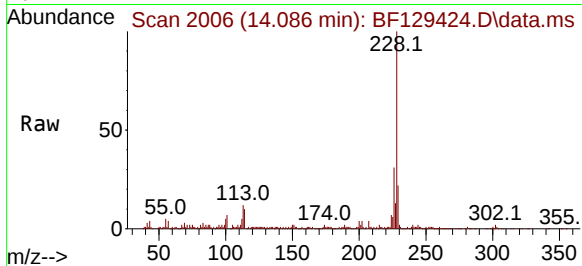




#83
Chrysene
Concen: 4.458 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

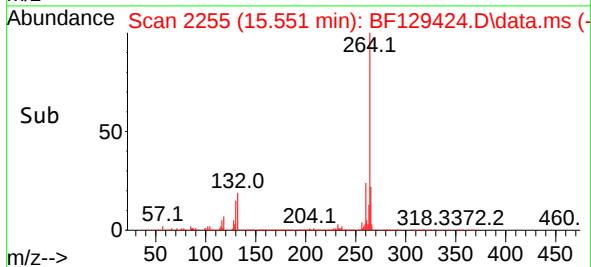
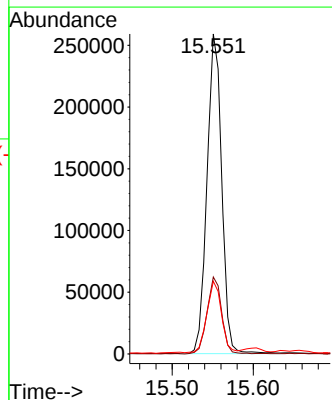
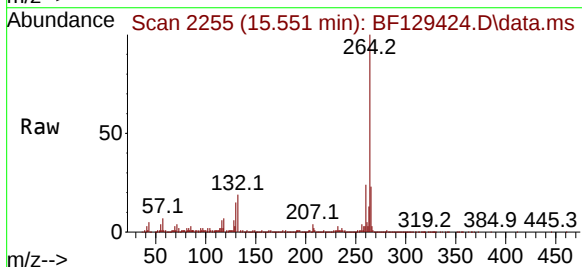
Instrument :
BNA_F
ClientSampleId :
RVE-19

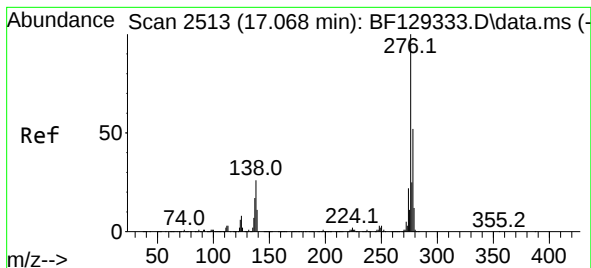
Tgt Ion:228 Resp: 101635
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 22.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BF129424.D
Acq: 28 Jul 2022 23:36

Tgt Ion:264 Resp: 324842
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 22.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.081 ng

RT: 17.056 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129424.D

Acq: 28 Jul 2022 23:36

Instrument :

BNA_F

ClientSampleId :

RVE-19

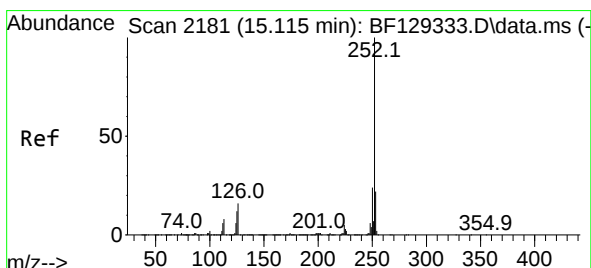
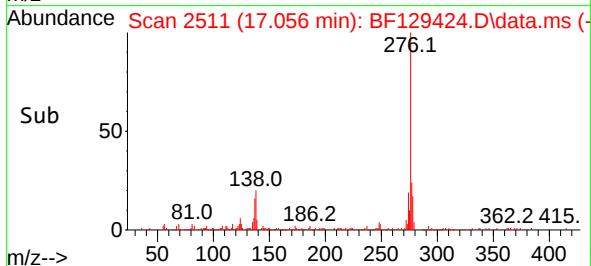
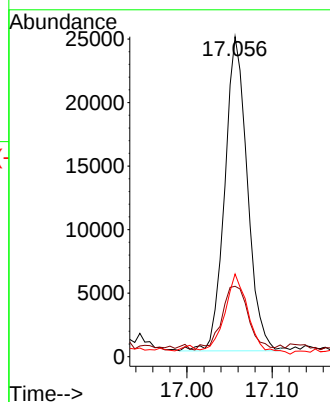
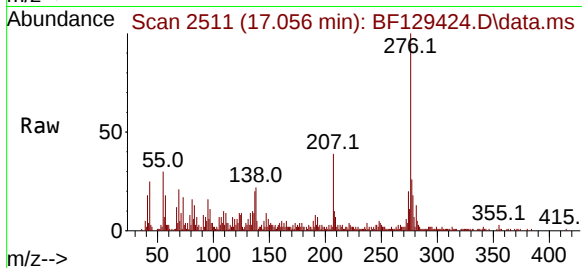
Tgt Ion:276 Resp: 45523

Ion Ratio Lower Upper

276 100

138 24.1 21.1 31.7

277 27.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 6.345 ng

RT: 15.110 min Scan# 2180

Delta R.T. -0.006 min

Lab File: BF129424.D

Acq: 28 Jul 2022 23:36

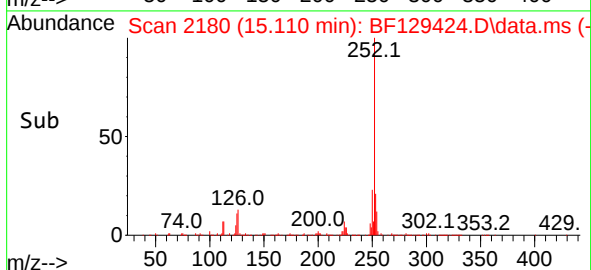
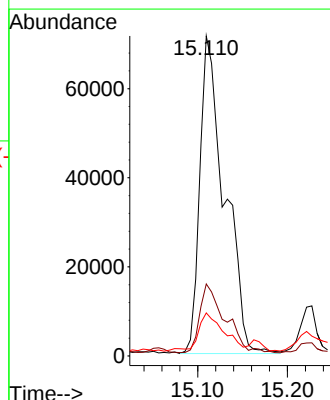
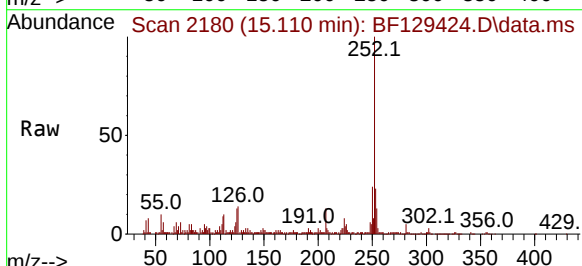
Tgt Ion:252 Resp: 136712

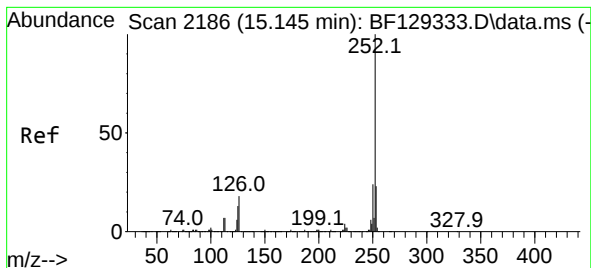
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 13.4 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 6.474 ng

RT: 15.110 min Scan# 2186

Delta R.T. -0.035 min

Lab File: BF129424.D

Acq: 28 Jul 2022 23:36

Instrument :

BNA_F

ClientSampleId :

RVE-19

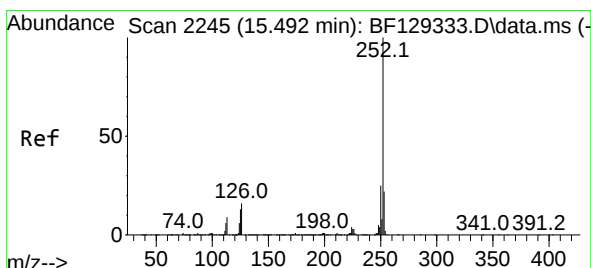
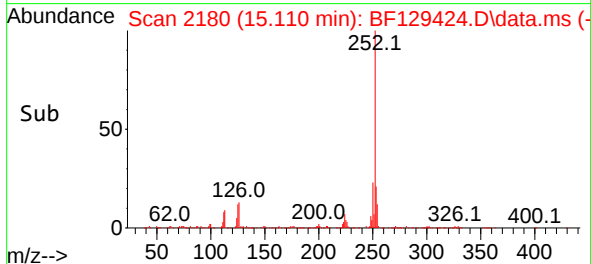
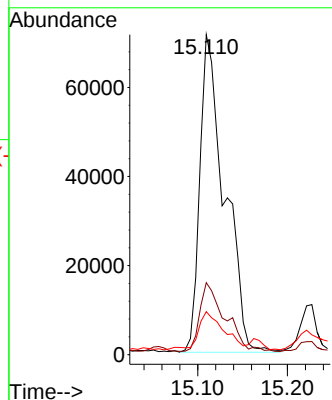
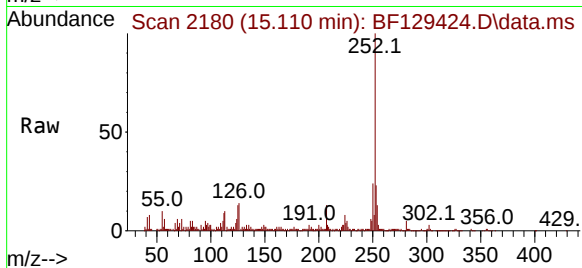
Tgt Ion:252 Resp: 136712

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 13.4 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 4.065 ng

RT: 15.486 min Scan# 2244

Delta R.T. -0.006 min

Lab File: BF129424.D

Acq: 28 Jul 2022 23:36

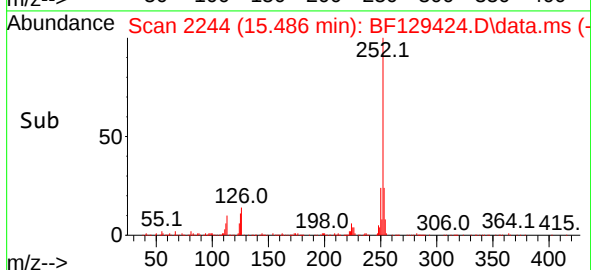
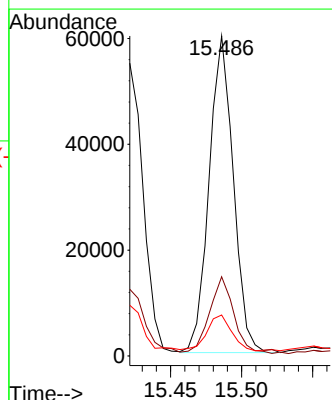
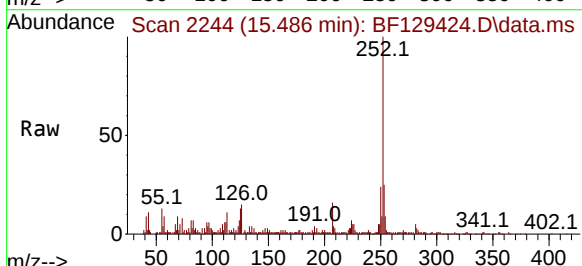
Tgt Ion:252 Resp: 71111

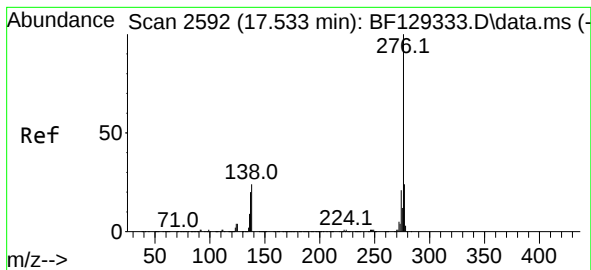
Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.6

125 12.8 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.644 ng

RT: 17.515 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF129424.D

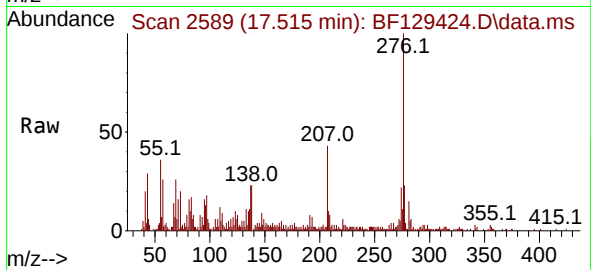
Acq: 28 Jul 2022 23:36

Instrument :

BNA_F

ClientSampleId :

RVE-19



Tgt Ion:276 Resp: 48096

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 22.7 18.0 27.0

