

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012622\
 Data File : BP008929.D
 Acq On : 26 Jan 2022 15:00
 Operator : CG/JU
 Sample : N1234-01DL2 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-01212022DL2

Quant Time: Jan 27 05:21:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 26 01:52:51 2022
 Response via : Initial Calibration

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

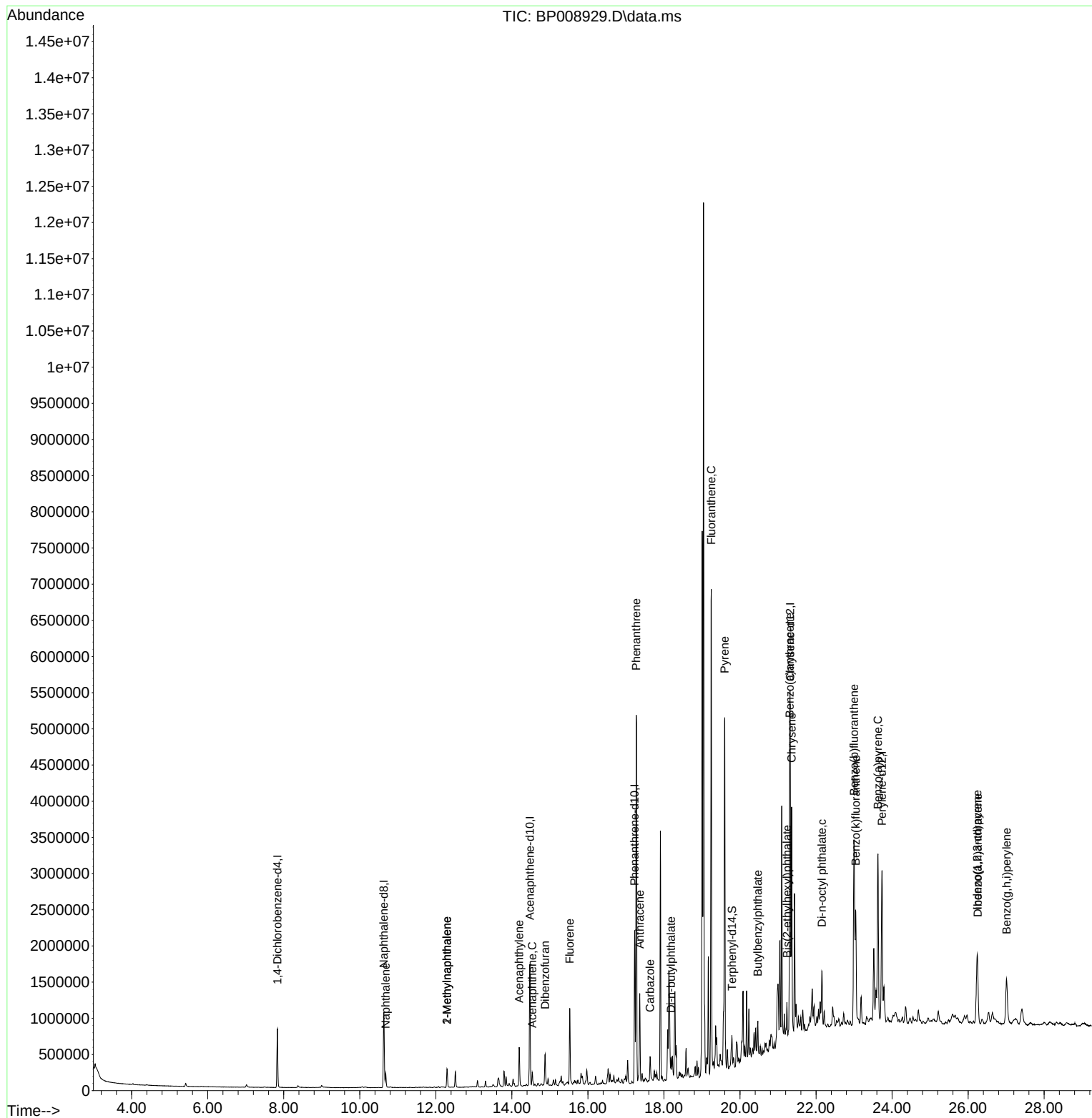
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	248922	20.000	ng	0.00
21) Naphthalene-d8	10.634	136	958049	20.000	ng	0.00
39) Acenaphthene-d10	14.475	164	619534	20.000	ng	0.00
64) Phenanthrene-d10	17.228	188	1315127	20.000	ng	-0.01
76) Chrysene-d12	21.322	240	1435735	20.000	ng	-0.01
86) Perylene-d12	23.733	264	1683032	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	23935	1.487	ng	0.00
7) Phenol-d6	7.016	99	29678	1.523	ng	0.00
23) Nitrobenzene-d5	8.993	82	17983	1.066	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	14555	1.614	ng	-0.01
45) 2-Fluorobiphenyl	13.093	172	52343	1.114	ng	-0.01
79) Terphenyl-d14	19.786	244	207370	2.438	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.681	128	170780	3.282	ng	99
37) 2-Methylnaphthalene	12.293	142	140175	3.685	ng	97
38) 1-Methylnaphthalene	12.293	142	140175	4.015	ng	94
49) Acenaphthylene	14.193	152	398537	6.787	ng	99
52) Acenaphthene	14.534	154	71694	2.059	ng	94
55) Dibenzofuran	14.875	168	263746	4.648	ng	98
58) Fluorene	15.522	166	488982	10.909	ng	99
71) Phenanthrene	17.269	178	3297575	44.534	ng	99
72) Anthracene	17.363	178	811635	10.927	ng	99
73) Carbazole	17.634	167	260681	4.081	ng	99
74) Di-n-butylphthalate	18.186	149	170044	2.212	ng	99
75) Fluoranthene	19.245	202	3767788	45.757	ng	96
78) Pyrene	19.598	202	3155154	31.495	ng	98
80) Butylbenzylphthalate	20.469	149	163215	4.051	ng	97
81) Benzo(a)anthracene	21.304	228	1971716	20.413	ng	99
83) Chrysene	21.357	228	1785487	19.069	ng	98
84) Bis(2-ethylhexyl)phtha...	21.233	149	193968	3.109	ng	# 92
85) Di-n-octyl phthalate	22.157	149	508806	4.821	ng	100
87) Indeno(1,2,3-cd)pyrene	26.239	276	945622	6.818	ng	95
88) Benzo(b)fluoranthene	22.998	252	2296172	20.429	ng	99
89) Benzo(k)fluoranthene	23.039	252	1163759	10.696	ng	98
90) Benzo(a)pyrene	23.627	252	1795844	16.553	ng	98
91) Dibenzo(a,h)anthracene	26.251	278	289379	2.454	ng	96
92) Benzo(g,h,i)perylene	27.009	276	862156	7.488	ng	98

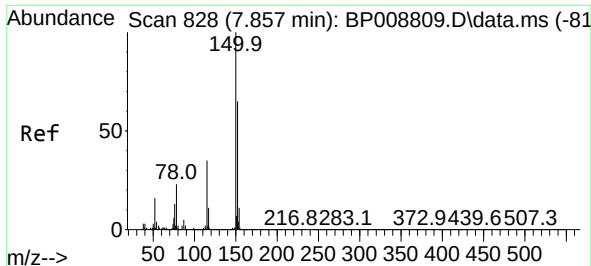
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012622\
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Instrument :
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ClientSampleId :
TR-04-01212022DL2

Quant Time: Jan 27 05:21:47 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 26 01:52:51 2022
Response via : Initial Calibration

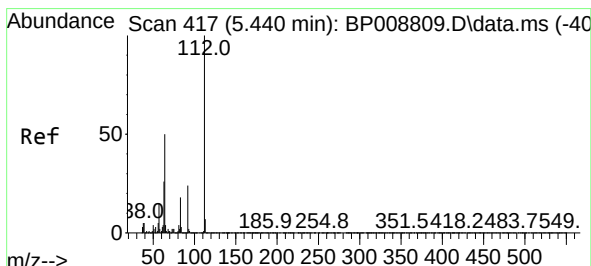
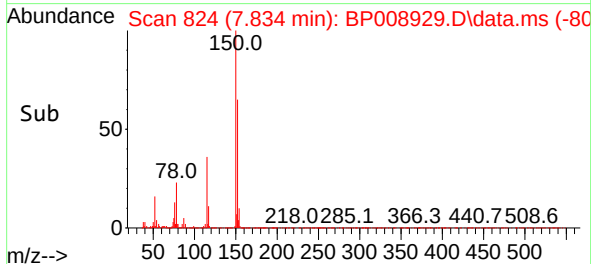
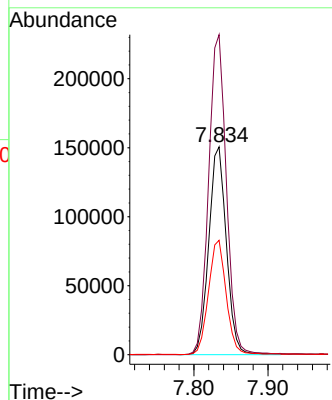
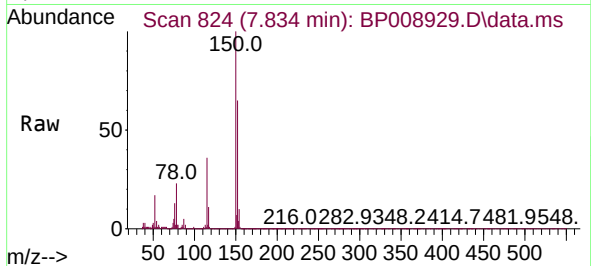




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

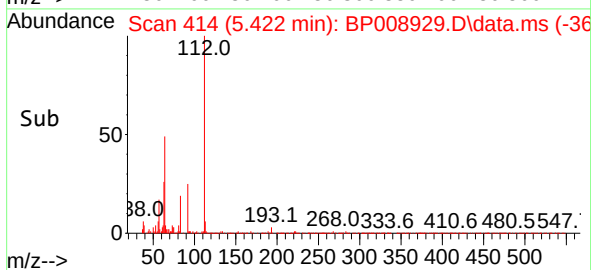
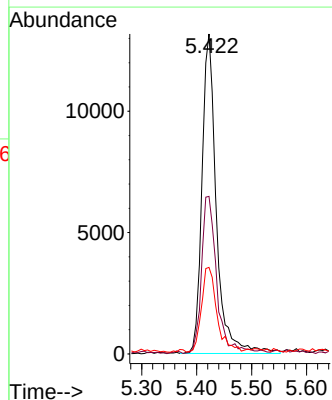
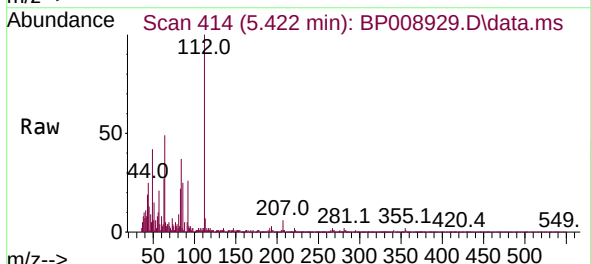
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

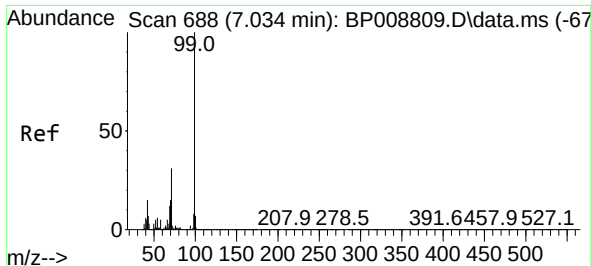
Tgt Ion:152 Resp: 248922
Ion Ratio Lower Upper
152 100
150 154.0 127.0 190.6
115 55.1 43.7 65.5



#5
2-Fluorophenol
Concen: 1.487 ng
RT: 5.422 min Scan# 414
Delta R.T. -0.006 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:112 Resp: 23935
Ion Ratio Lower Upper
112 100
64 49.2 39.7 59.5
63 27.0 20.0 30.0

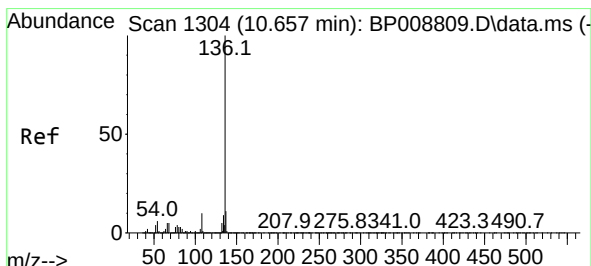
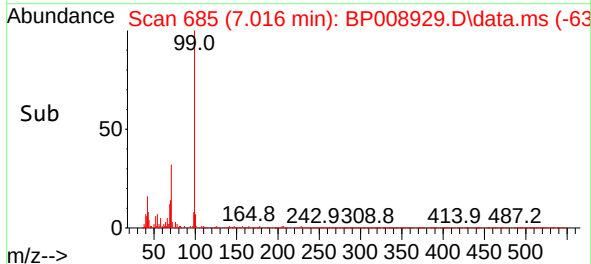
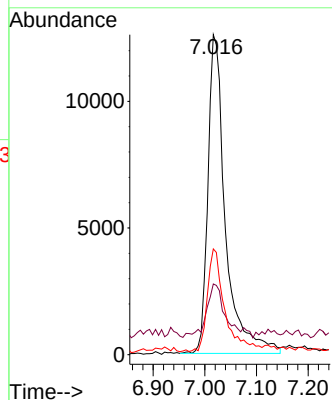
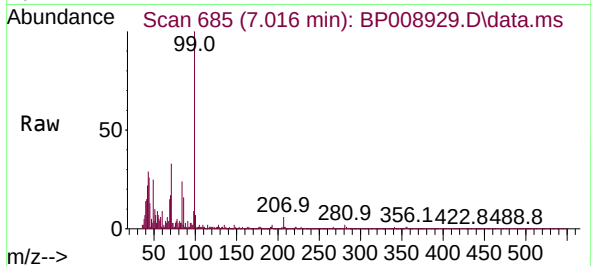




#7
Phenol-d6
Concen: 1.523 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

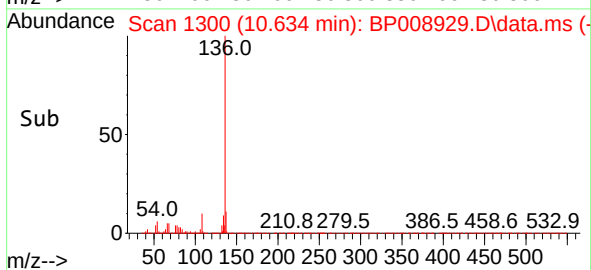
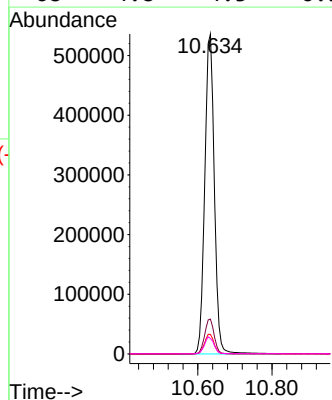
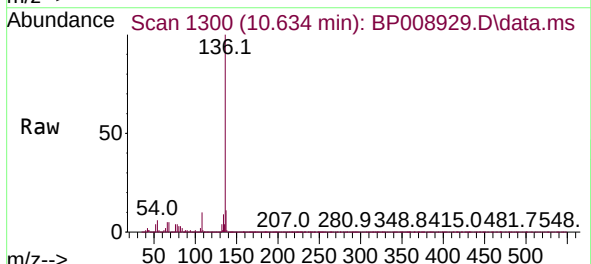
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

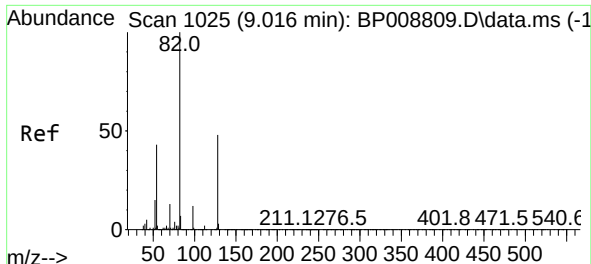
Tgt Ion: 99 Resp: 29678
Ion Ratio Lower Upper
99 100
42 22.1 10.8 16.2#
71 33.0 23.8 35.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion: 136 Resp: 958049
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.1 4.9 7.3
68 4.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 1.066 ng

RT: 8.993 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BP008929.D

Acq: 26 Jan 2022 15:00

Instrument :

BNA_P

ClientSampleId :

TR-04-01212022DL2

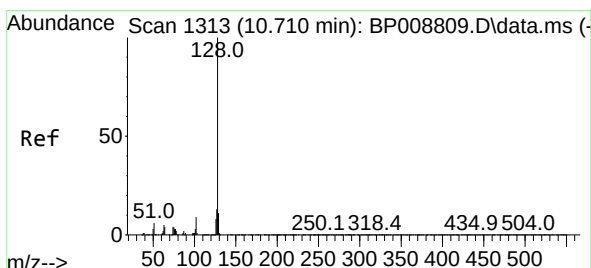
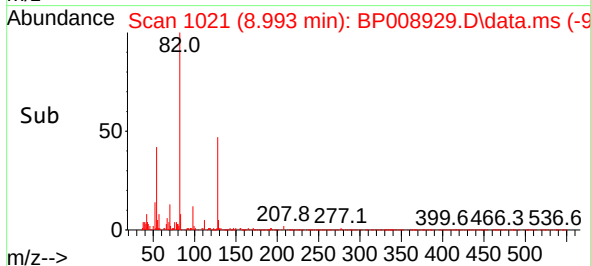
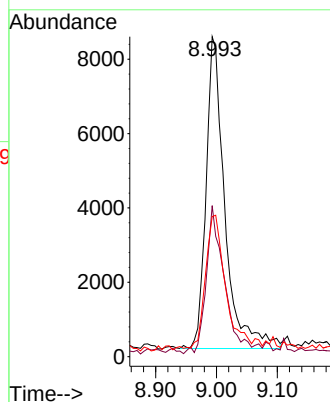
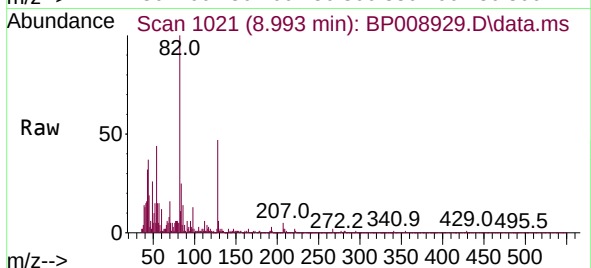
Tgt Ion: 82 Resp: 17983

Ion Ratio Lower Upper

82 100

128 47.2 39.4 59.2

54 43.8 32.6 48.8



#31

Naphthalene

Concen: 3.282 ng

RT: 10.681 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BP008929.D

Acq: 26 Jan 2022 15:00

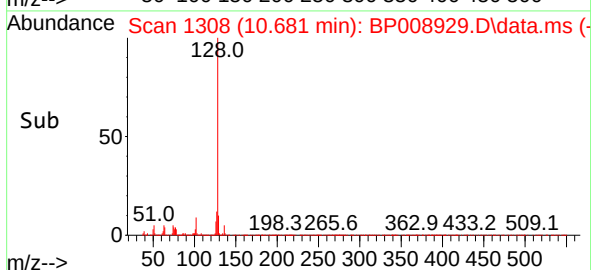
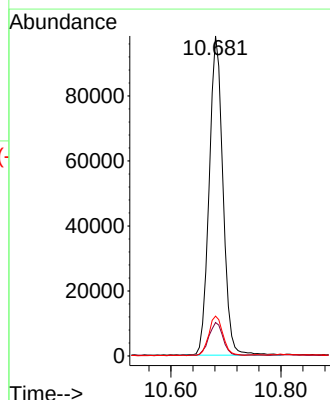
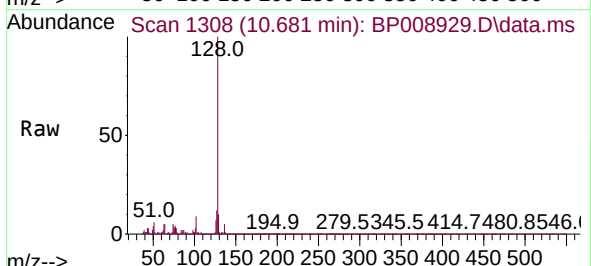
Tgt Ion: 128 Resp: 170780

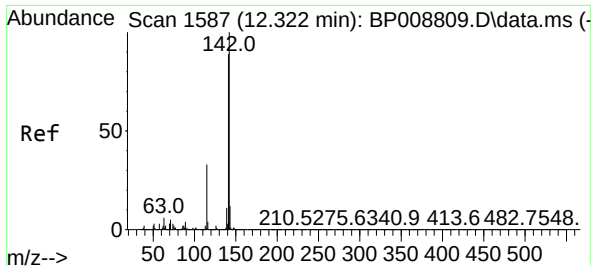
Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

127 12.4 10.4 15.6

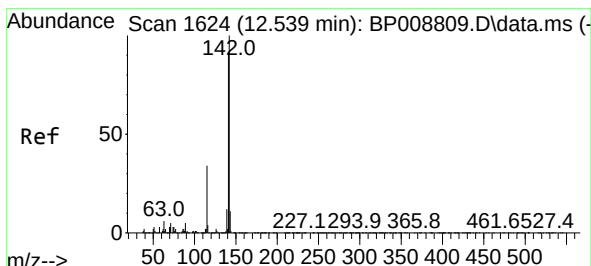
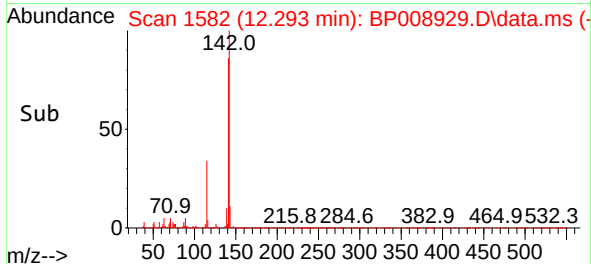
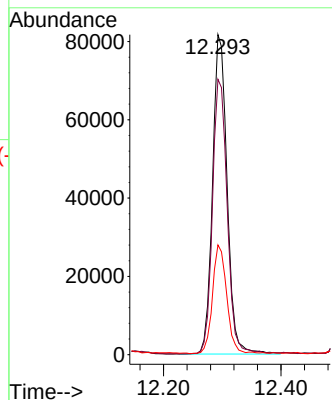
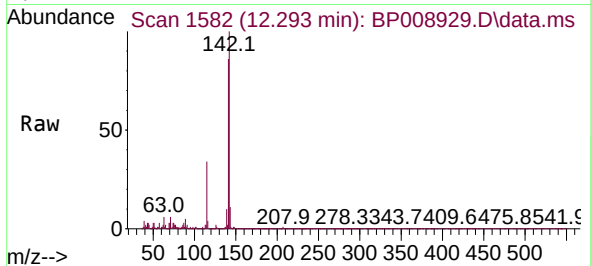




#37
2-Methylnaphthalene
Concen: 3.685 ng
RT: 12.293 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

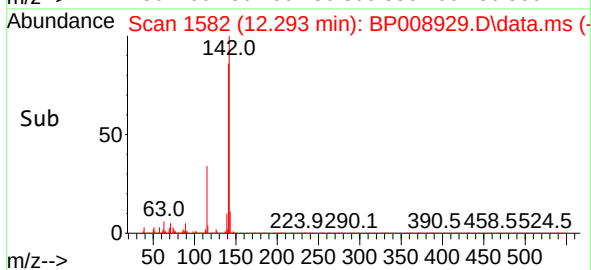
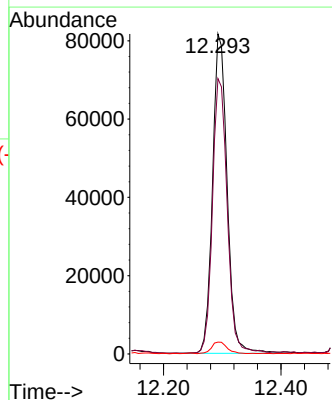
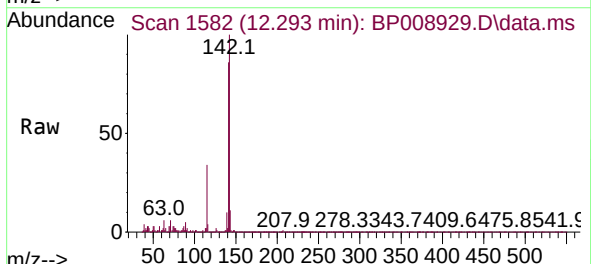
Instrument :
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ClientSampleId :
TR-04-01212022DL2

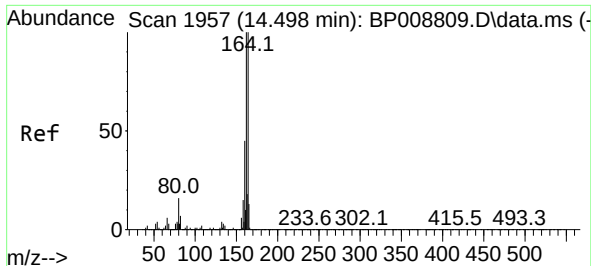
Tgt Ion:142 Resp: 140175
Ion Ratio Lower Upper
142 100
141 86.1 70.5 105.7
115 34.3 24.6 36.8



#38
1-Methylnaphthalene
Concen: 4.015 ng
RT: 12.293 min Scan# 1582
Delta R.T. -0.229 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:142 Resp: 140175
Ion Ratio Lower Upper
142 100
141 86.1 73.2 109.8
116 3.7 2.7 4.1

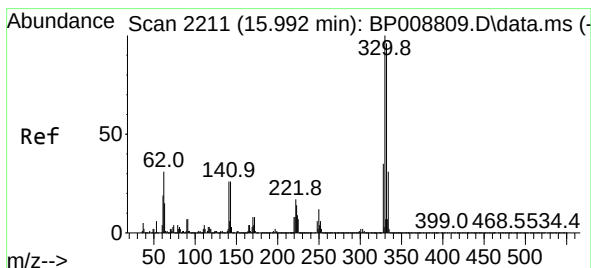
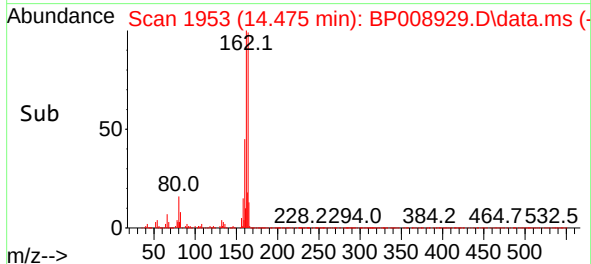
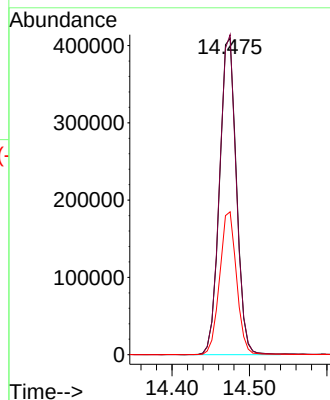
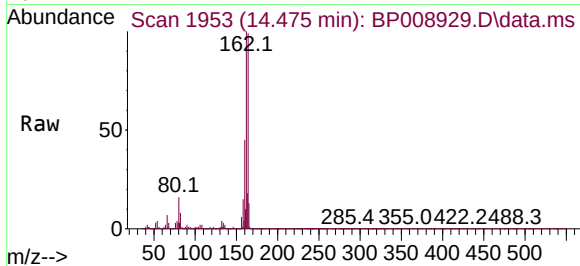




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

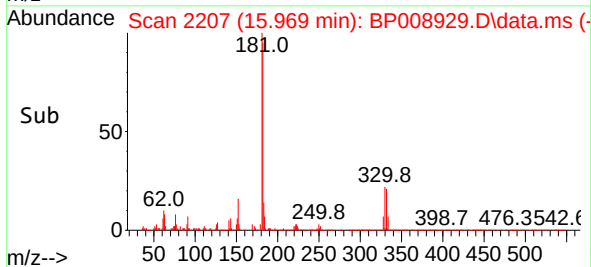
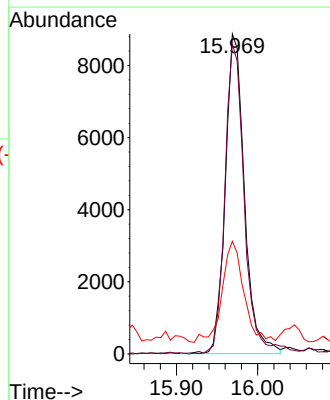
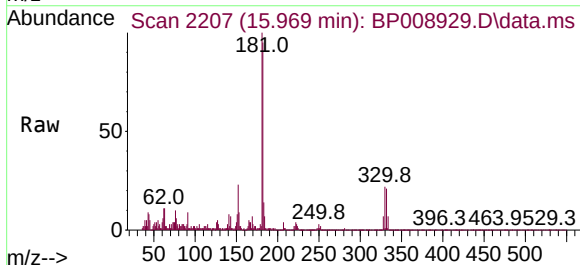
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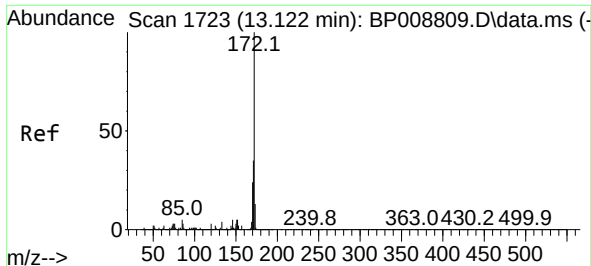
Tgt Ion:164 Resp: 619534
Ion Ratio Lower Upper
164 100
162 101.1 79.9 119.9
160 45.1 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 1.614 ng
RT: 15.969 min Scan# 2207
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:330 Resp: 14555
Ion Ratio Lower Upper
330 100
332 98.3 77.0 115.4
141 35.7 21.3 31.9#

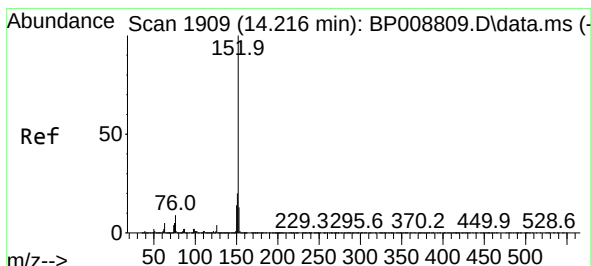
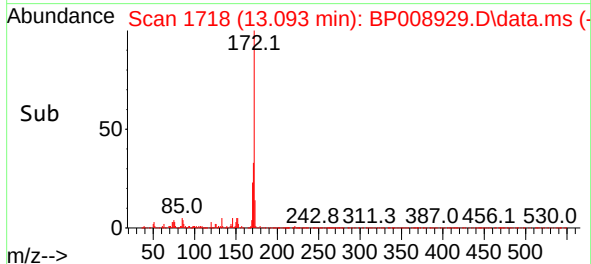
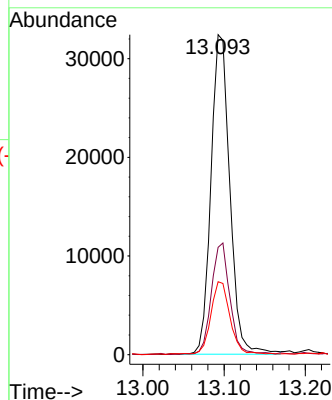
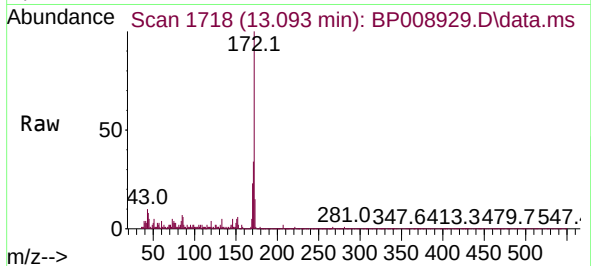




#45
2-Fluorobiphenyl
Concen: 1.114 ng
RT: 13.093 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

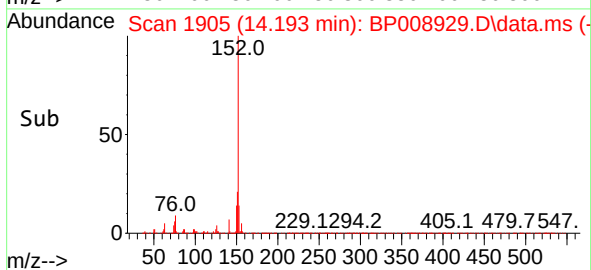
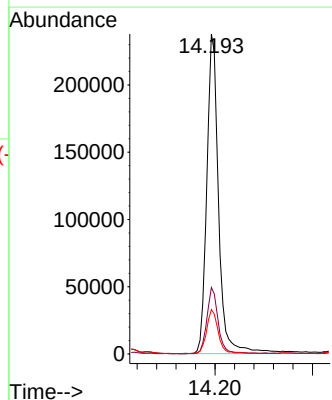
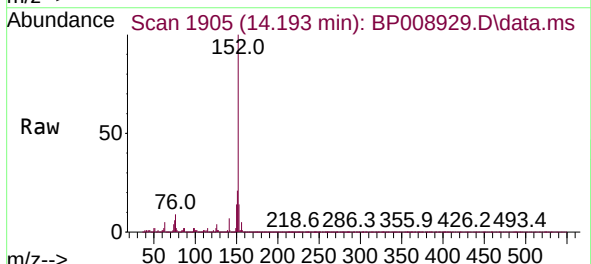
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

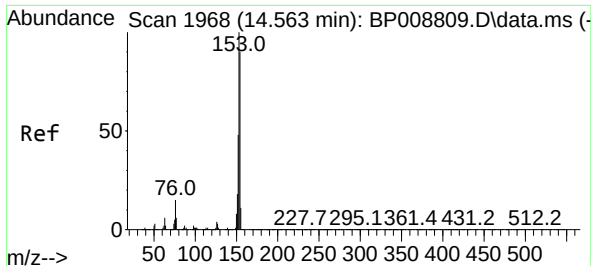
Tgt Ion:172	Resp:	52343
Ion Ratio	Lower	Upper
172	100	
171	33.5	29.3 43.9
170	22.8	19.5 29.3



#49
Acenaphthylene
Concen: 6.787 ng
RT: 14.193 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:152	Resp:	398537
Ion Ratio	Lower	Upper
152	100	
151	20.7	16.1 24.1
153	13.8	10.6 16.0

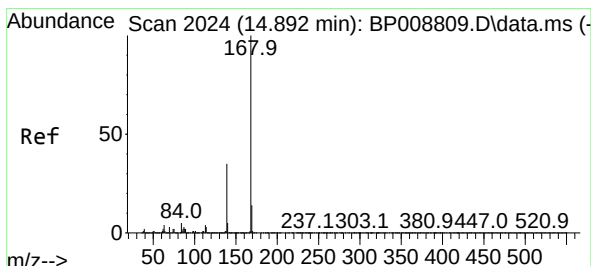
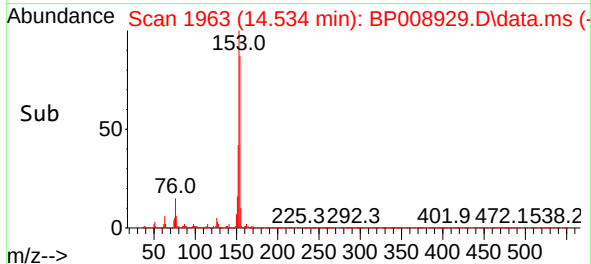
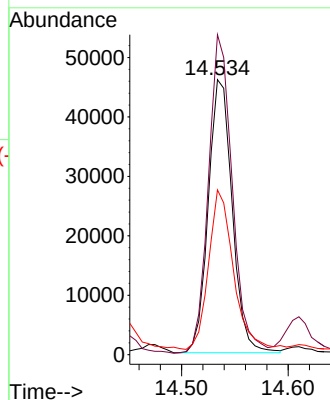
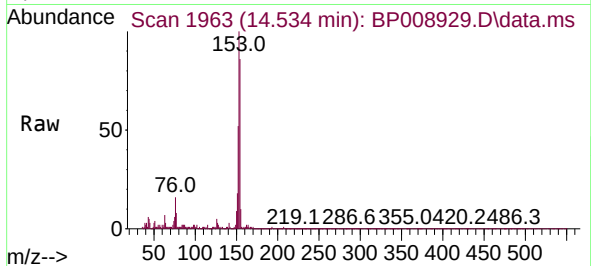




#52
Acenaphthene
Concen: 2.059 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

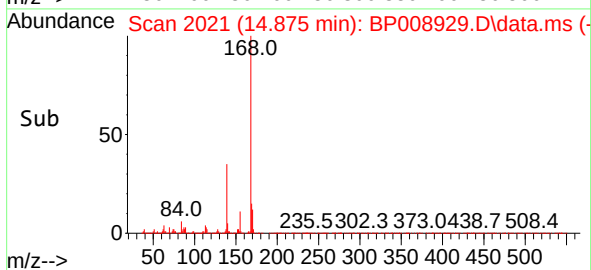
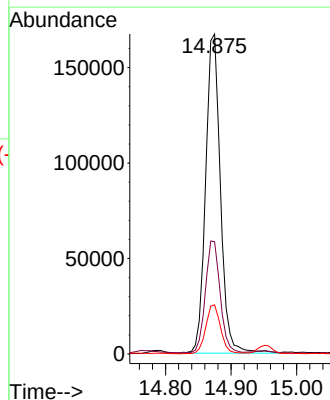
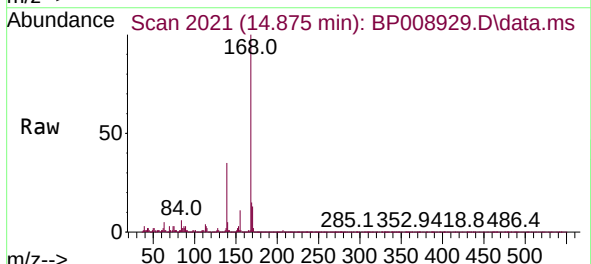
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

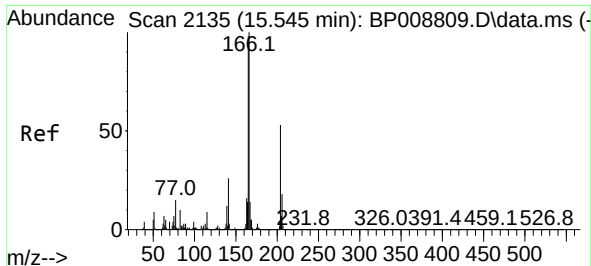
Tgt Ion:154 Resp: 71694
Ion Ratio Lower Upper
154 100
153 116.4 89.4 134.2
152 59.9 42.6 63.8



#55
Dibenzofuran
Concen: 4.648 ng
RT: 14.875 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:168 Resp: 263746
Ion Ratio Lower Upper
168 100
139 35.1 27.4 41.0
169 15.3 10.9 16.3

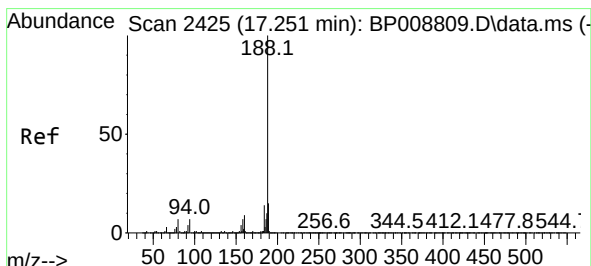
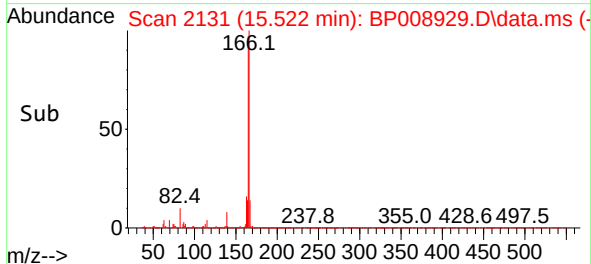
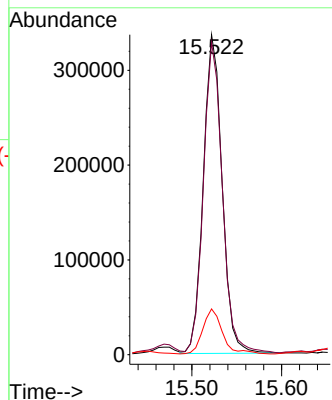
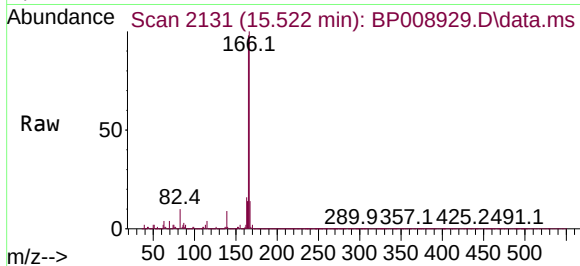




#58
Fluorene
Concen: 10.909 ng
RT: 15.522 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

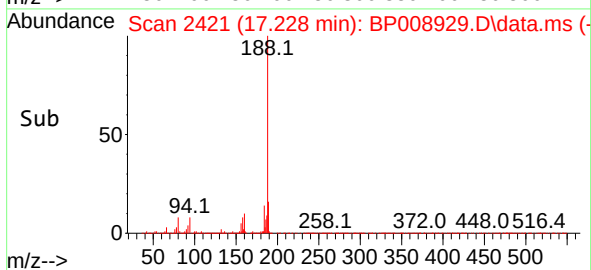
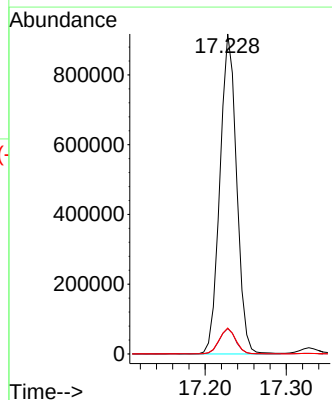
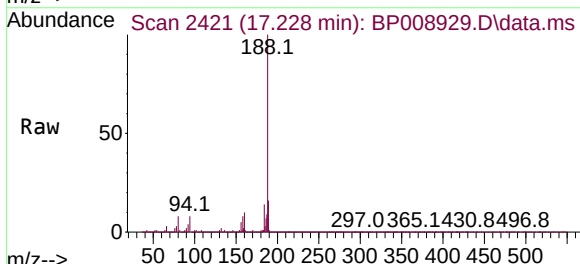
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

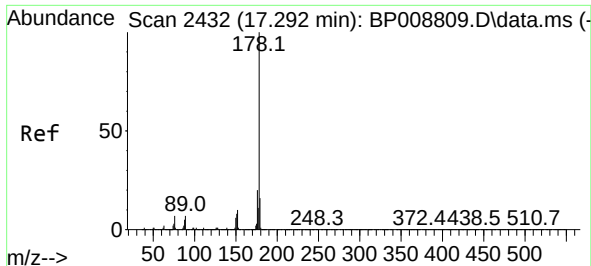
Tgt Ion:166 Resp: 488982
Ion Ratio Lower Upper
166 100
165 97.6 77.2 115.8
167 14.3 11.2 16.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.228 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:188 Resp: 1315127
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.1 7.2 10.8

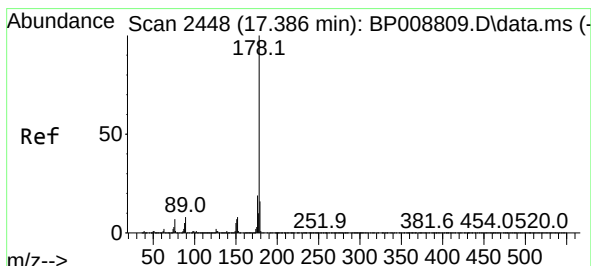
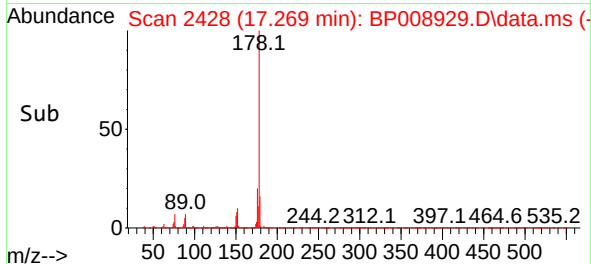
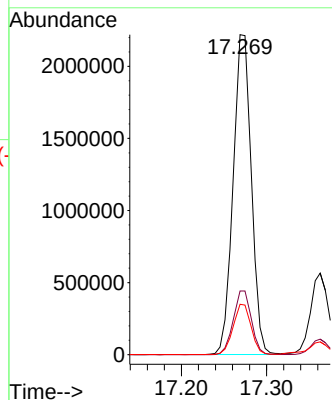
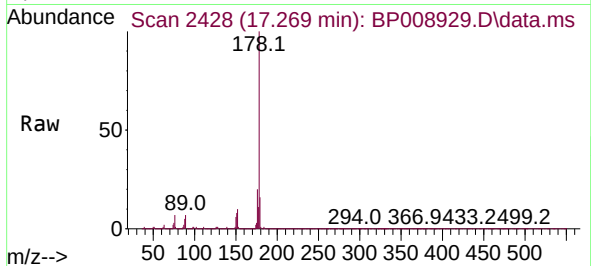




#71
Phenanthrene
Concen: 44.534 ng
RT: 17.269 min Scan# 2432
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

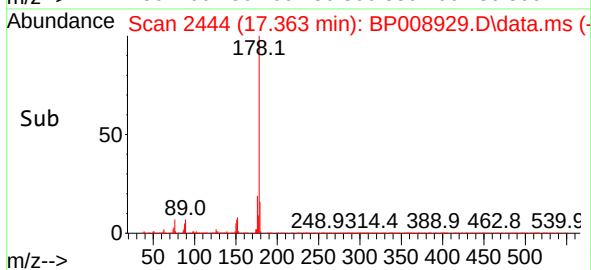
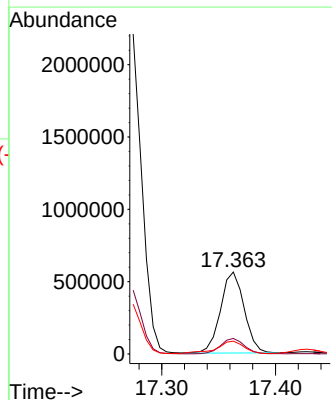
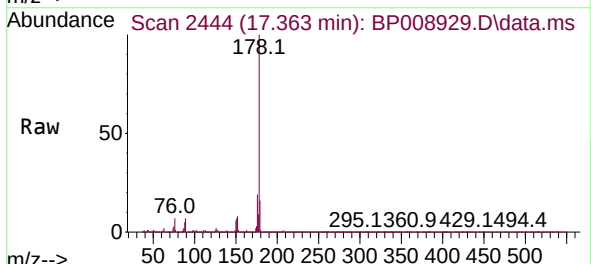
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

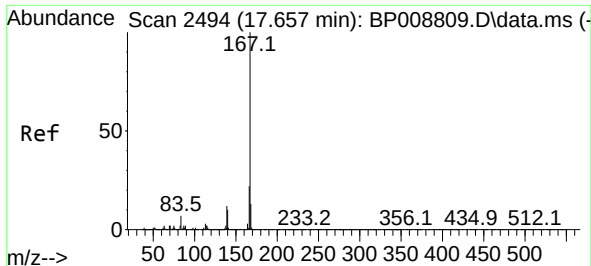
Tgt Ion:178 Resp: 3297575
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.7 13.0 19.4



#72
Anthracene
Concen: 10.927 ng
RT: 17.363 min Scan# 2444
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:178 Resp: 811635
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.7 12.8 19.2

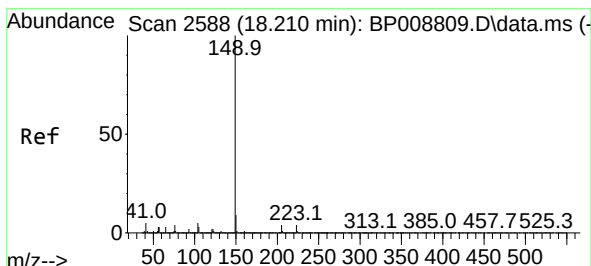
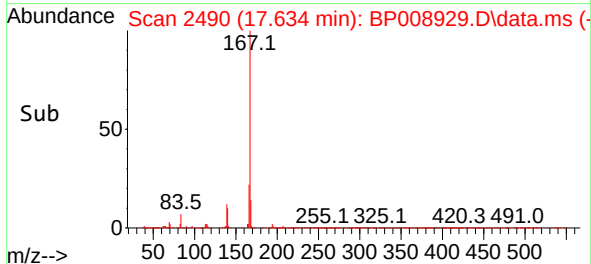
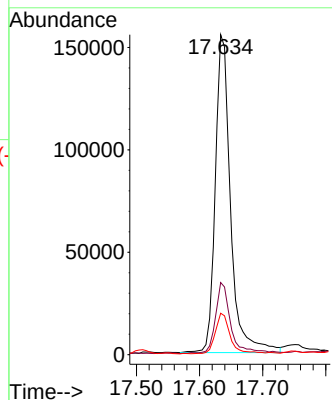
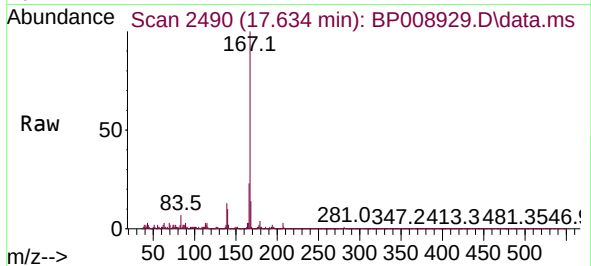




#73
 Carbazole
 Concen: 4.081 ng
 RT: 17.634 min Scan# 2494
 Delta R.T. -0.012 min
 Lab File: BP008929.D
 Acq: 26 Jan 2022 15:00

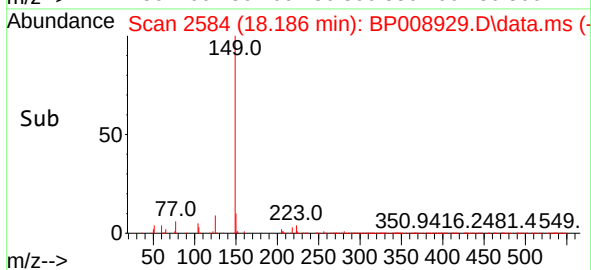
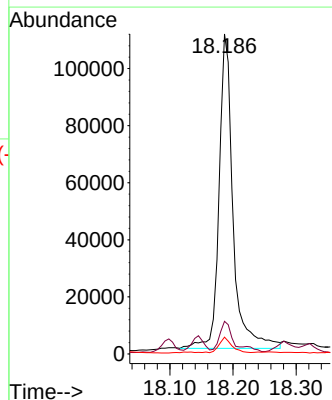
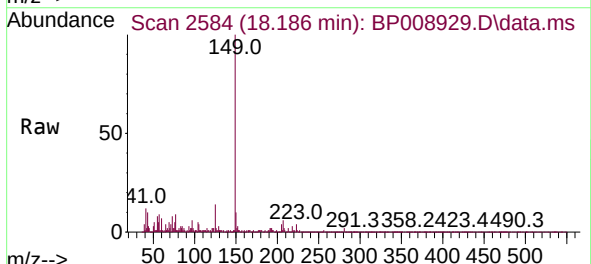
Instrument :
 BNA_P
 ClientSampleId :
 TR-04-01212022DL2

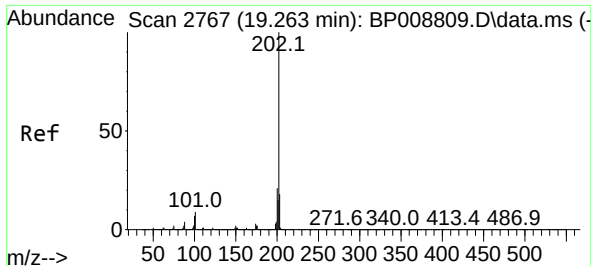
Tgt Ion:167	Resp: 260681
Ion Ratio	Lower Upper
167 100	
166 22.5	17.7 26.5
139 13.0	9.8 14.6



#74
 Di-n-butylphthalate
 Concen: 2.212 ng
 RT: 18.186 min Scan# 2584
 Delta R.T. -0.012 min
 Lab File: BP008929.D
 Acq: 26 Jan 2022 15:00

Tgt Ion:149	Resp: 170044		
Ion Ratio	Lower	Upper	
149 100			
150 10.2	7.9	11.9	
104 5.2	3.7	5.5	

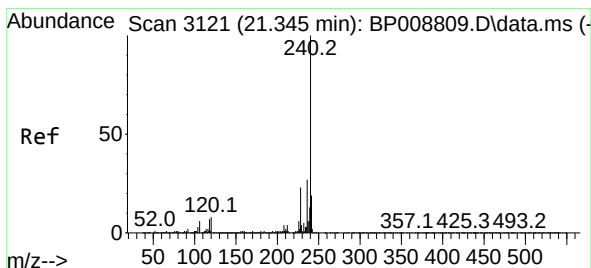
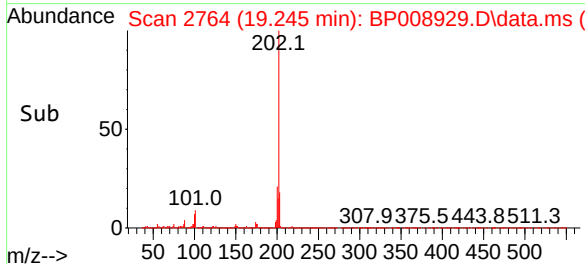
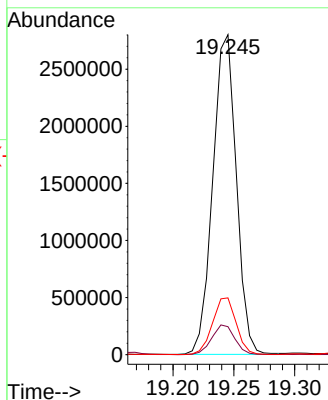
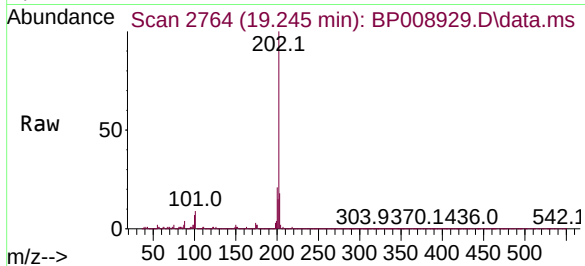




#75
Fluoranthene
Concen: 45.757 ng
RT: 19.245 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

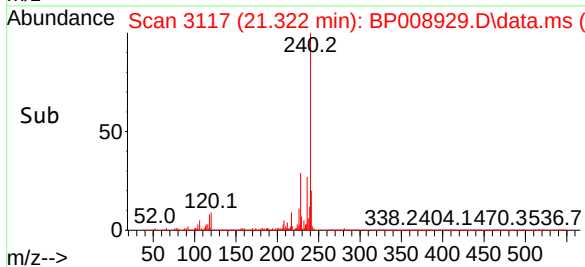
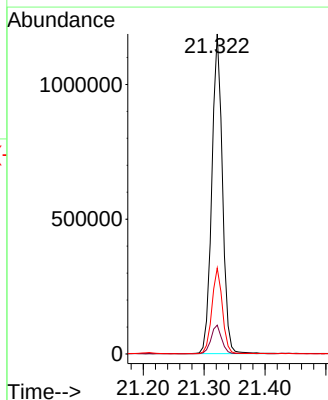
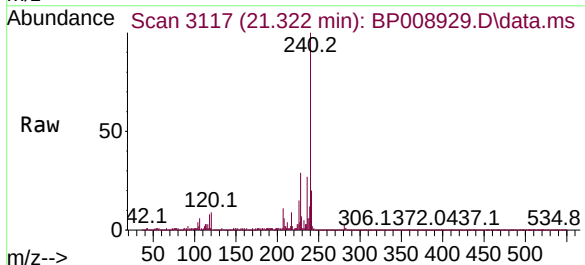
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

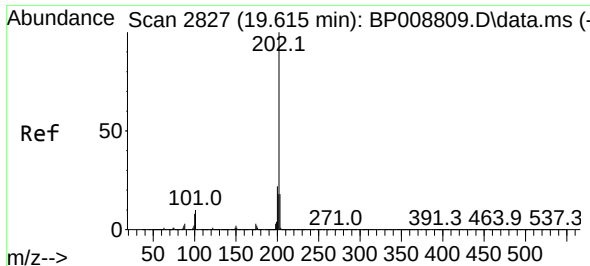
Tgt Ion:202 Resp: 3767788
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.7
203 17.8 0.0 38.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.322 min Scan# 3117
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:240 Resp: 1435735
Ion Ratio Lower Upper
240 100
120 9.0 7.7 11.5
236 26.9 21.2 31.8

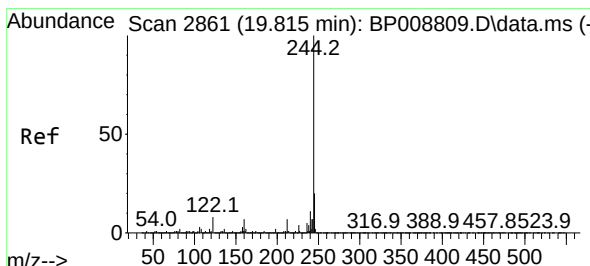
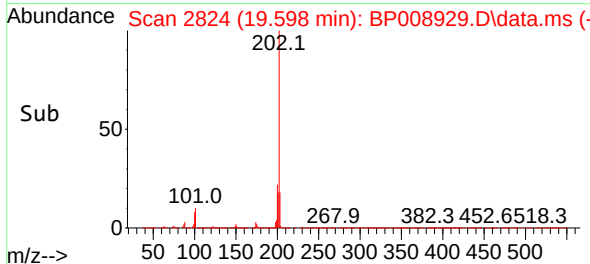
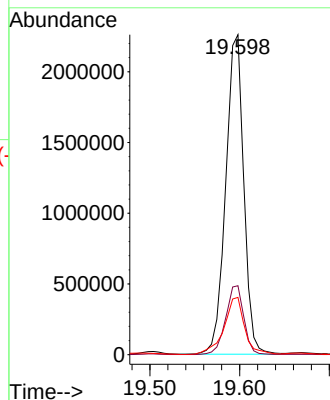
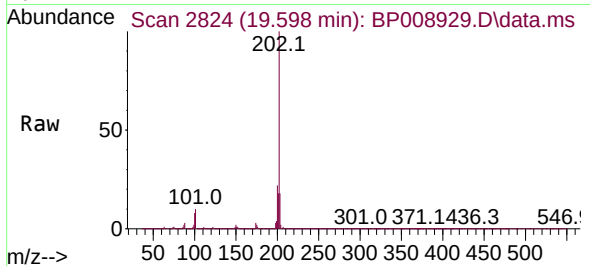




#78
Pyrene
Concen: 31.495 ng
RT: 19.598 min Scan# 2824
Delta R.T. -0.006 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

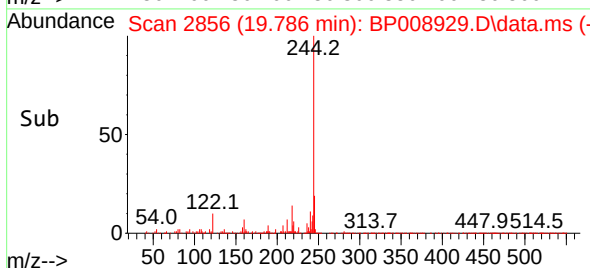
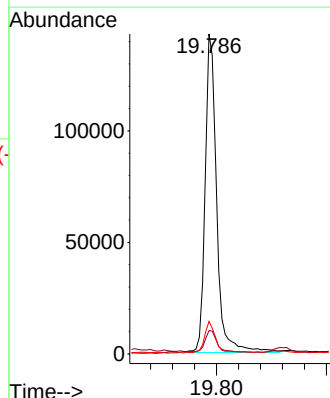
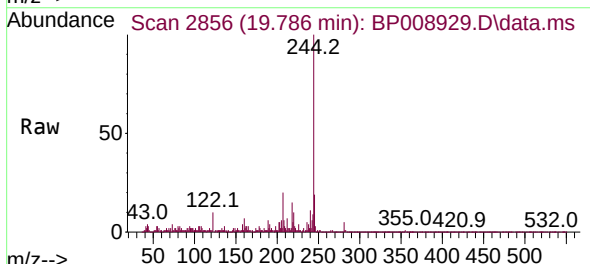
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

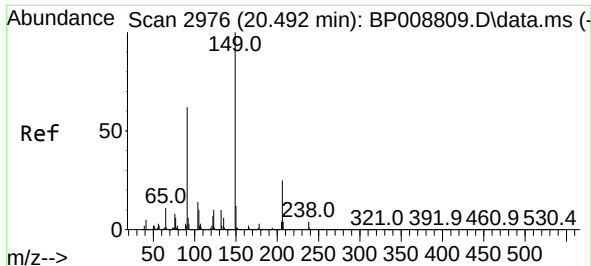
Tgt Ion:202 Resp: 3155154
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 17.9 15.0 22.6



#79
Terphenyl-d14
Concen: 2.438 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.018 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:244 Resp: 207370
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 10.1 9.2 13.8

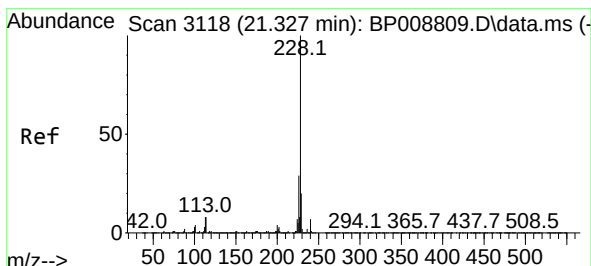
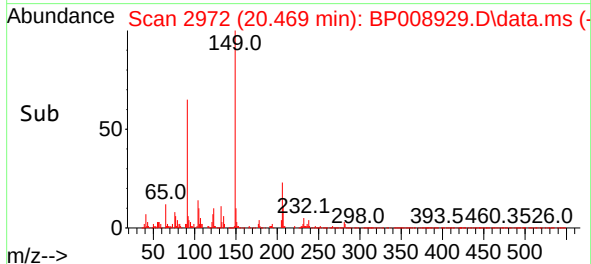
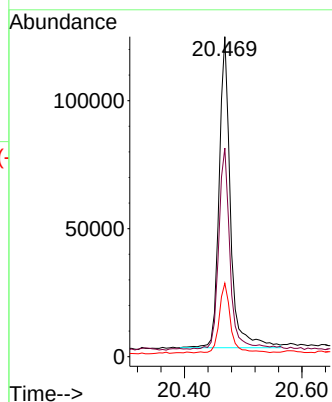
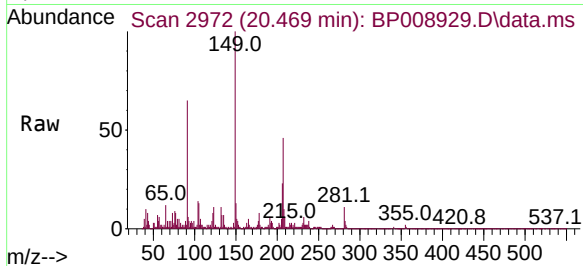




#80
Butylbenzylphthalate
Concen: 4.051 ng
RT: 20.469 min Scan# 2976
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

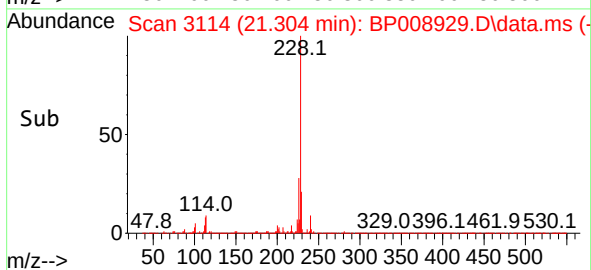
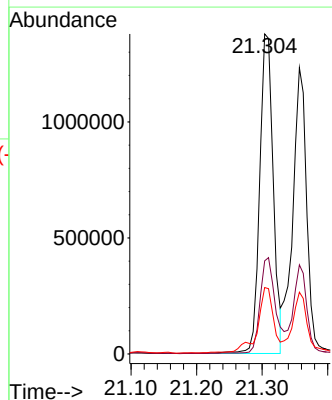
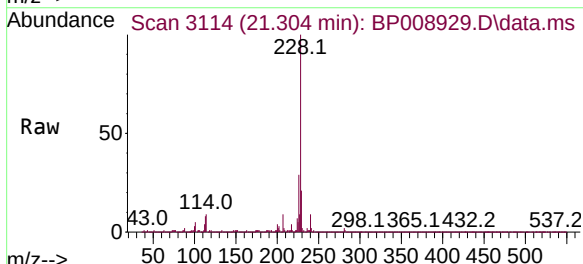
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

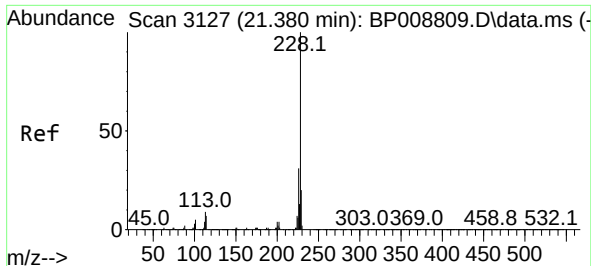
Tgt Ion:149 Resp: 163215
Ion Ratio Lower Upper
149 100
91 65.2 50.6 76.0
206 23.0 19.7 29.5



#81
Benzo(a)anthracene
Concen: 20.413 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.018 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:228 Resp: 1971716
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 20.7 17.0 25.6

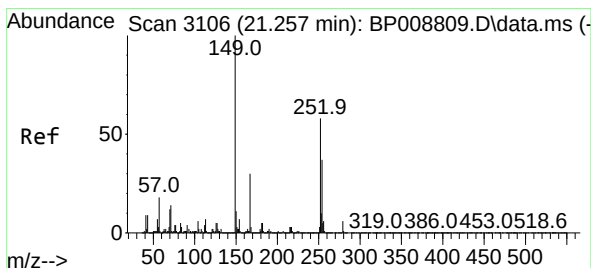
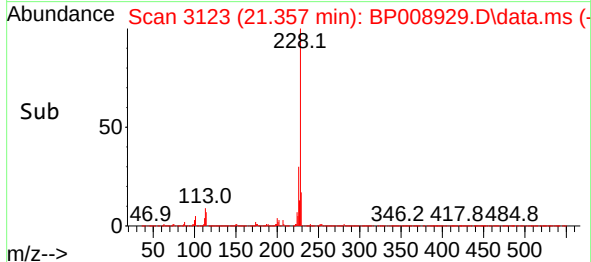
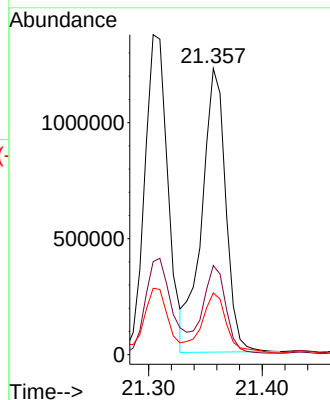
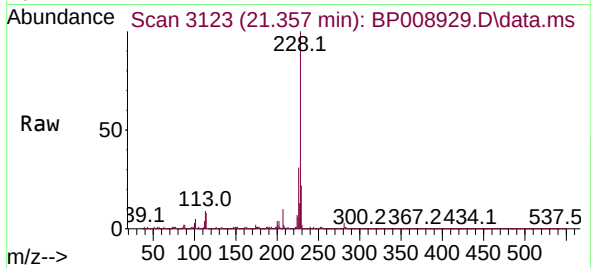




#83
Chrysene
Concen: 19.069 ng
RT: 21.357 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

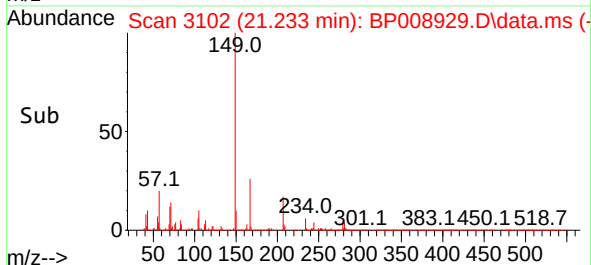
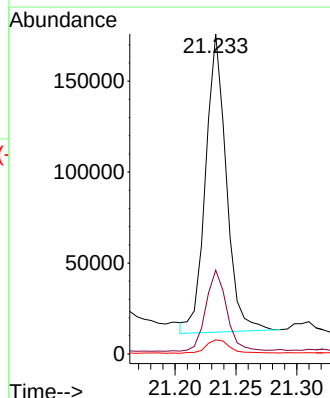
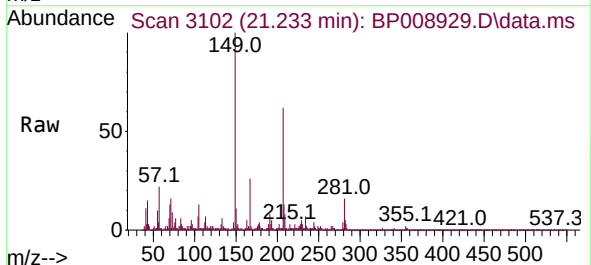
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

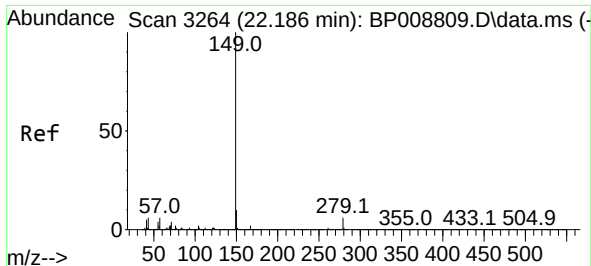
Tgt Ion:228 Resp: 1785487
Ion Ratio Lower Upper
228 100
226 31.2 26.0 39.0
229 21.6 16.9 25.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.109 ng
RT: 21.233 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:149 Resp: 193968
Ion Ratio Lower Upper
149 100
167 26.2 25.0 37.4
279 4.4 4.8 7.2#

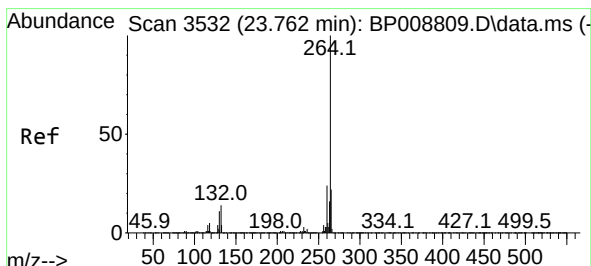
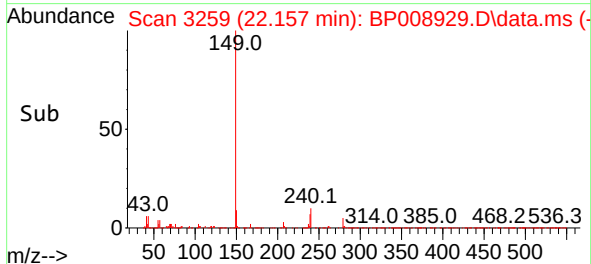
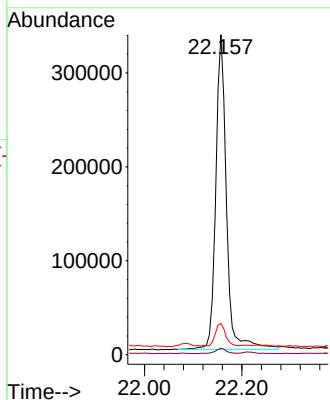
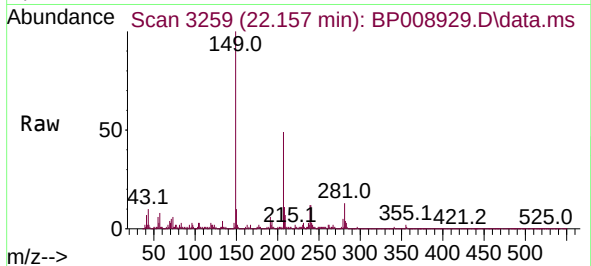




#85
Di-n-octyl phthalate
Concen: 4.821 ng
RT: 22.157 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

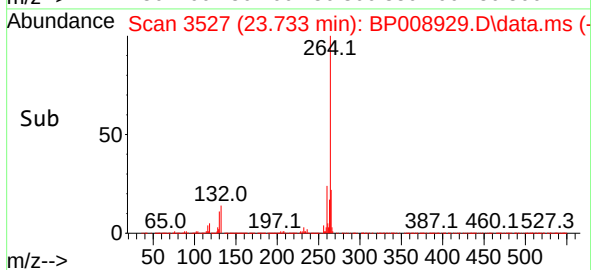
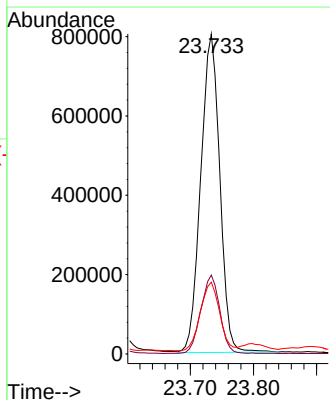
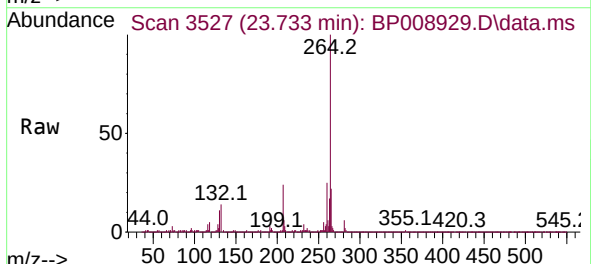
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

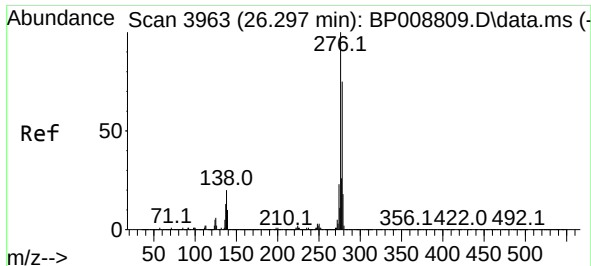
Tgt Ion:149 Resp: 508806
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 6.8 5.4 8.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3527
Delta R.T. -0.018 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:264 Resp: 1683032
Ion Ratio Lower Upper
264 100
260 24.6 19.1 28.7
265 22.5 17.1 25.7

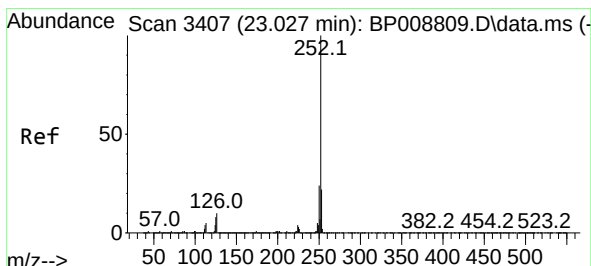
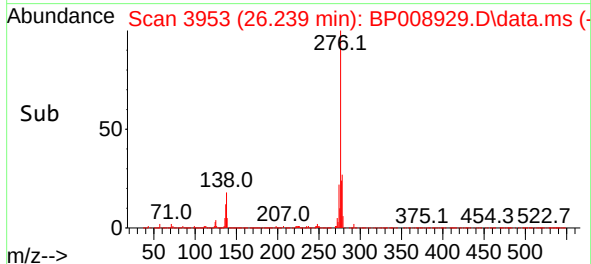
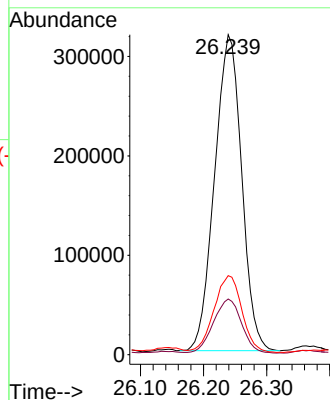
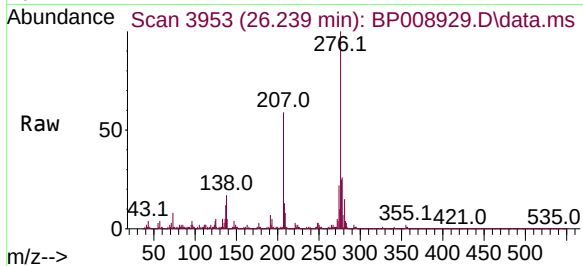




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.818 ng
 RT: 26.239 min Scan# 3953
 Delta R.T. -0.041 min
 Lab File: BP008929.D
 Acq: 26 Jan 2022 15:00

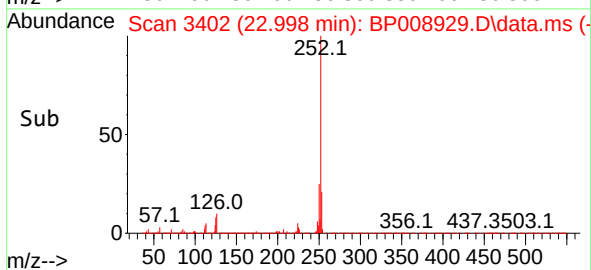
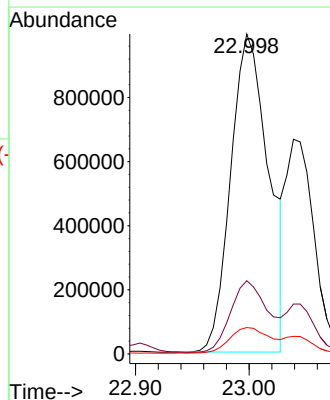
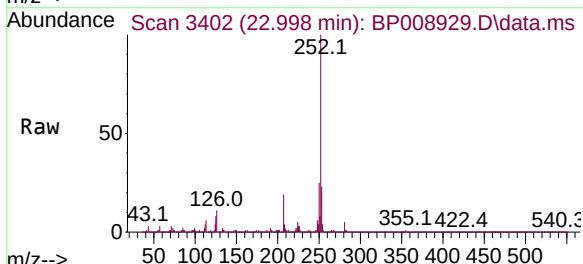
Instrument :
 BNA_P
 ClientSampleId :
 TR-04-01212022DL2

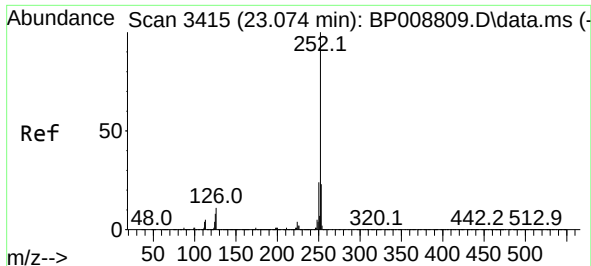
Tgt Ion:	276	Resp:	945622
Ion Ratio	Lower	Upper	
276	100		
138	17.8	17.8	26.6
277	25.2	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 20.429 ng
 RT: 22.998 min Scan# 3402
 Delta R.T. -0.018 min
 Lab File: BP008929.D
 Acq: 26 Jan 2022 15:00

Tgt Ion:	252	Resp:	2296172
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	8.2	6.9	10.3

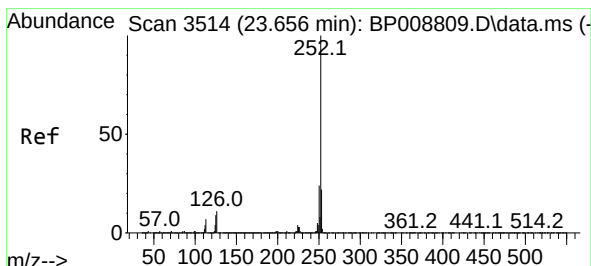
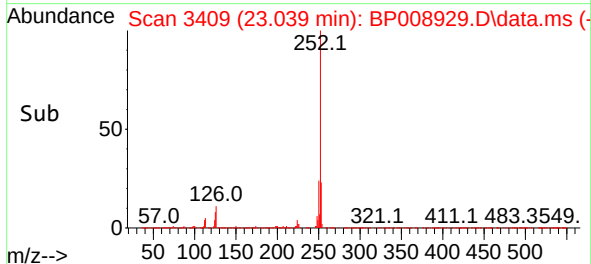
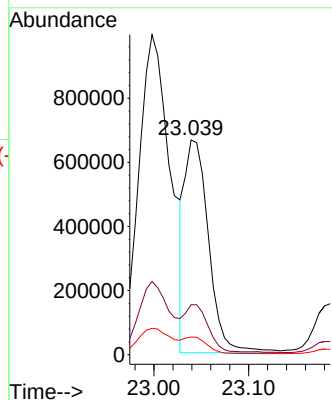
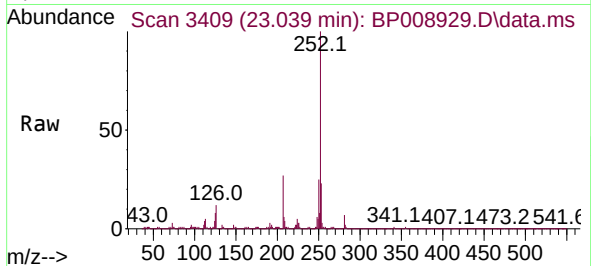




#89
Benzo(k)fluoranthene
Concen: 10.696 ng
RT: 23.039 min Scan# 3415
Delta R.T. -0.023 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

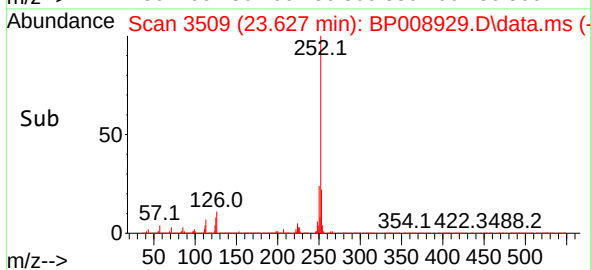
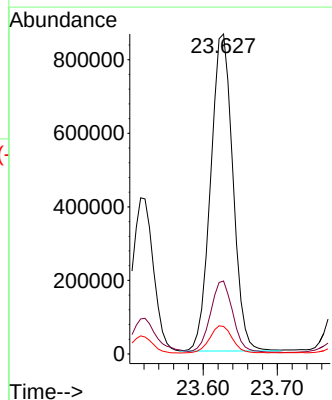
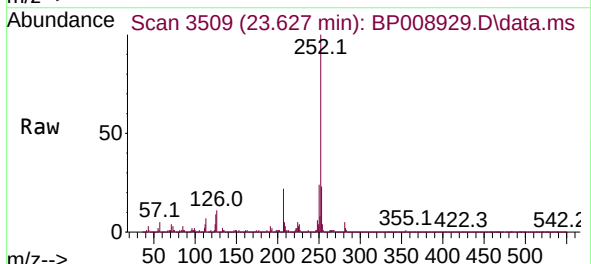
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

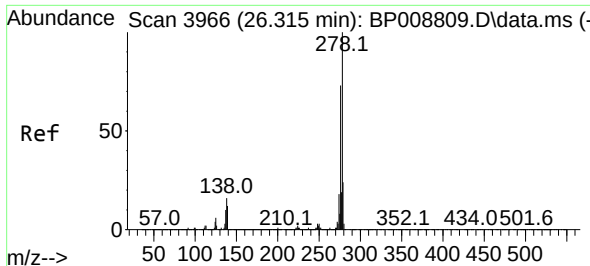
Tgt Ion:252 Resp: 1163759
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 8.2 7.3 10.9



#90
Benzo(a)pyrene
Concen: 16.553 ng
RT: 23.627 min Scan# 3509
Delta R.T. -0.018 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:252 Resp: 1795844
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 8.6 7.8 11.6

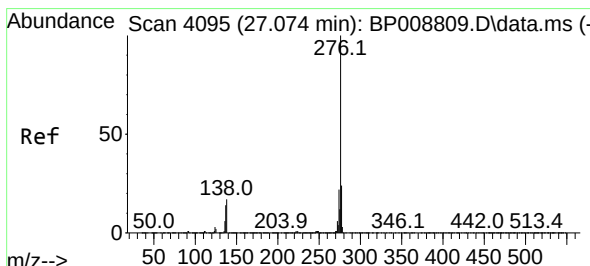
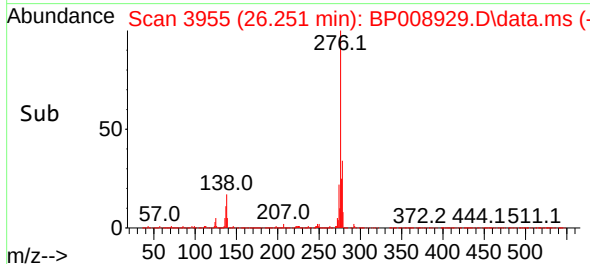
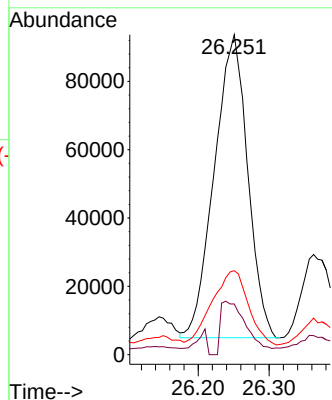
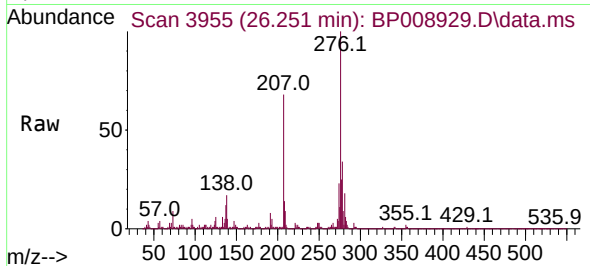




#91
Dibenzo(a,h)anthracene
Concen: 2.454 ng
RT: 26.251 min Scan# 3966
Delta R.T. -0.047 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL2

Tgt Ion:278 Resp: 289379
Ion Ratio Lower Upper
278 100
139 15.9 11.5 17.3
279 26.2 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 7.488 ng
RT: 27.009 min Scan# 4084
Delta R.T. -0.041 min
Lab File: BP008929.D
Acq: 26 Jan 2022 15:00

Tgt Ion:276 Resp: 862156
Ion Ratio Lower Upper
276 100
277 24.5 19.2 28.8
138 17.7 15.0 22.4

