

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121621\
 Data File : BP008464.D
 Acq On : 16 Dec 2021 21:37
 Operator : CG/JU
 Sample : M5076-11DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-CDL

Quant Time: Dec 17 03:24:29 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

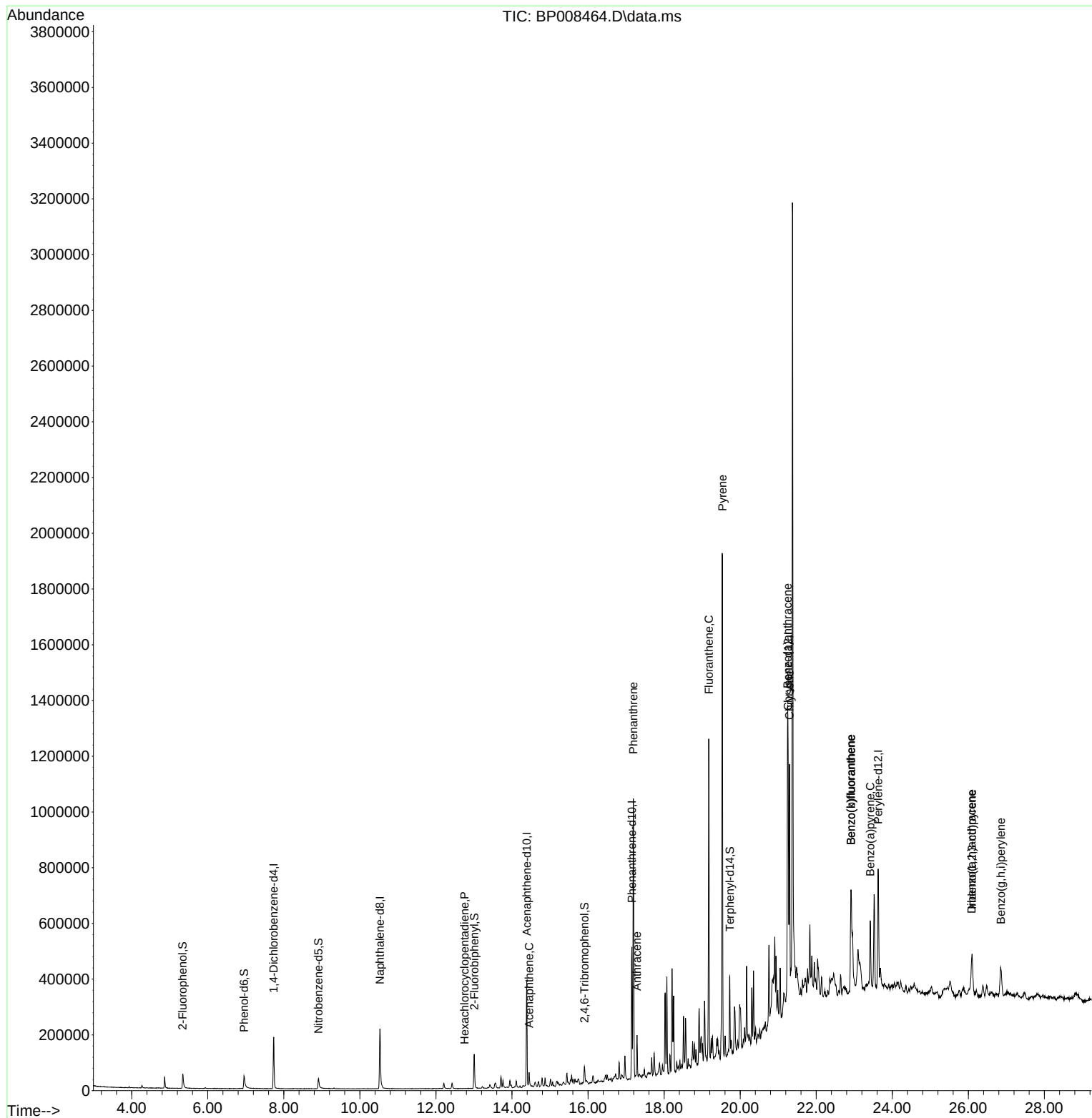
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	52189	20.000	ng	-0.01
21) Naphthalene-d8	10.528	136	193120	20.000	ng	-0.01
39) Acenaphthene-d10	14.387	164	130229	20.000	ng	-0.01
64) Phenanthrene-d10	17.151	188	282146	20.000	ng	#-0.01
76) Chrysene-d12	21.263	240	317369	20.000	ng	# 0.00
86) Perylene-d12	23.627	264	342201	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	29330	8.875	ng	0.00
7) Phenol-d6	6.958	99	42901	9.666	ng	0.02
23) Nitrobenzene-d5	8.910	82	32870	7.211	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	13049	6.818	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	71681	6.997	ng	0.00
79) Terphenyl-d14	19.727	244	124945	6.852	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.222	88	145	Below Cal	#	75
9) Benzaldehyde	6.887	77	165	Below Cal	#	34
41) Hexachlorocyclopentadiene	12.751	237	11	8.659	ng	75
52) Acenaphthene	14.451	154	17149	2.444	ng	100
71) Phenanthrene	17.192	178	582670	38.124	ng	100
72) Anthracene	17.286	178	92156	6.112	ng	99
75) Fluoranthene	19.175	202	606620	35.156	ng	98
78) Pyrene	19.533	202	1109845	48.878	ng	99
81) Benzo(a)anthracene	21.245	228	449463	21.132	ng	99
83) Chrysene	21.298	228	413717	20.364	ng	99
87) Indeno(1,2,3-cd)pyrene	26.098	276	138947	5.158	ng	96
88) Benzo(b)fluoranthene	22.916	252	411184	19.975	ng	99
89) Benzo(k)fluoranthene	22.916	252	411184	19.808	ng	98
90) Benzo(a)pyrene	23.421	252	174328	9.757	ng	97
91) Dibenzo(a,h)anthracene	26.086	278	52282	2.319	ng	96
92) Benzo(g,h,i)perylene	26.856	276	144289	6.462	ng	97

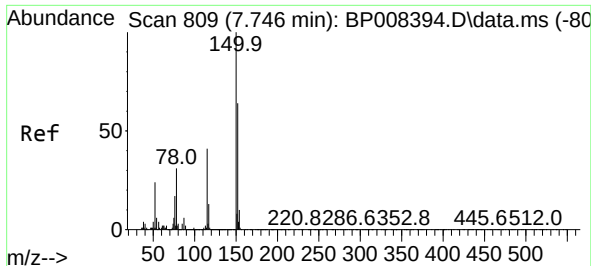
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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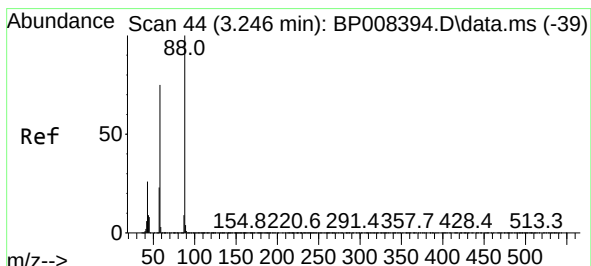
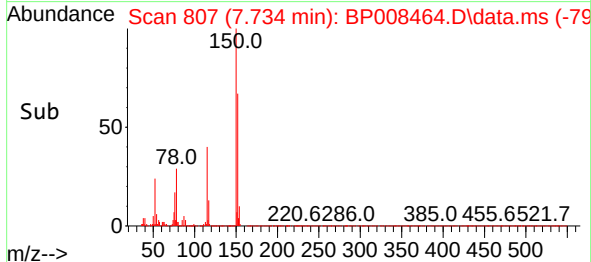
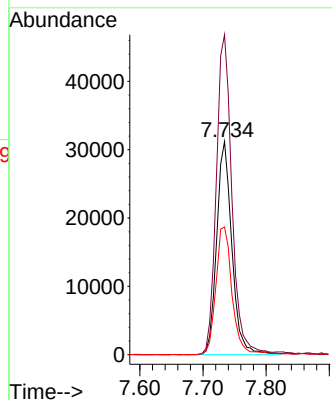
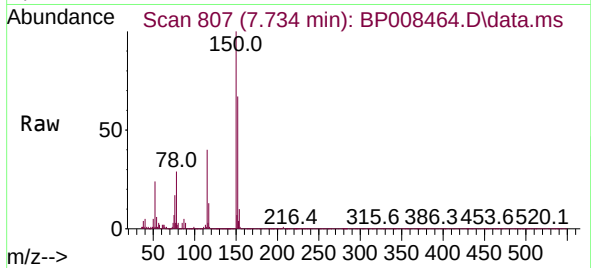




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.734 min Scan# 80
 Delta R.T. -0.012 min
 Lab File: BP008464.D
 Acq: 16 Dec 2021 21:37

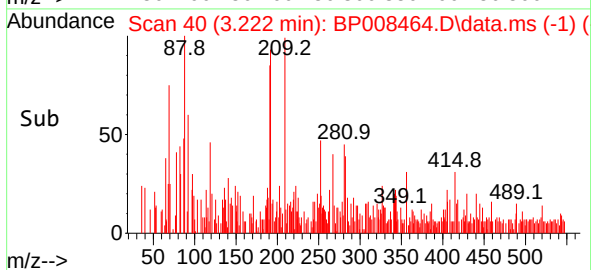
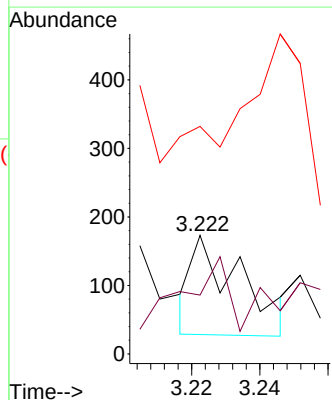
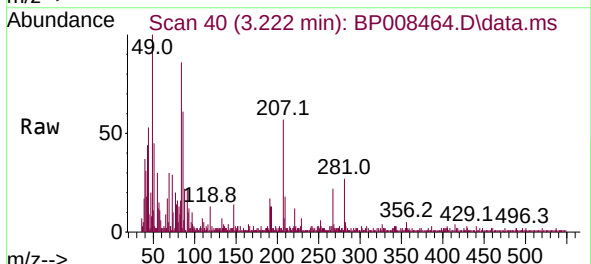
Instrument :
 BNA_P
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 SB-9-SB-22-CDL

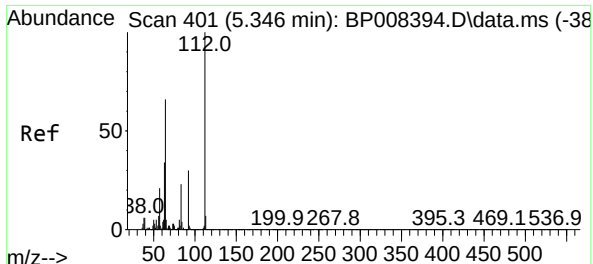
Tgt Ion:152 Resp: 52189
 Ion Ratio Lower Upper
 152 100
 150 150.1 125.7 188.5
 115 59.9 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.222 min Scan# 40
 Delta R.T. -0.024 min
 Lab File: BP008464.D
 Acq: 16 Dec 2021 21:37

Tgt Ion: 88 Resp: 145
 Ion Ratio Lower Upper
 88 100
 58 66.9 63.5 95.3
 43 0.0 23.4 35.2#

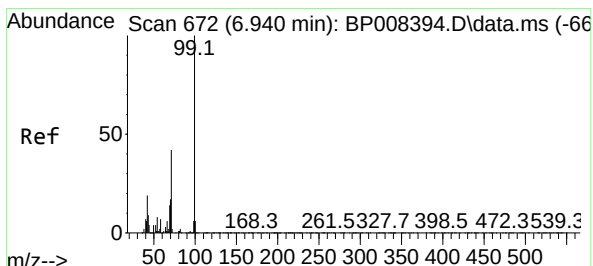
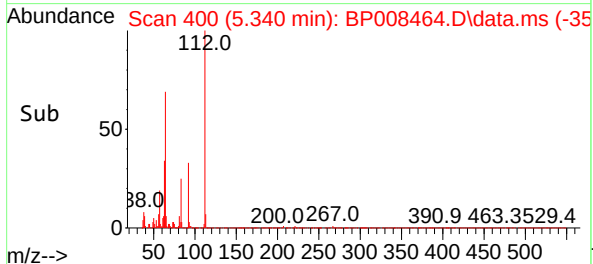
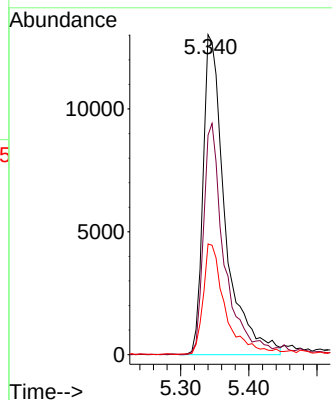
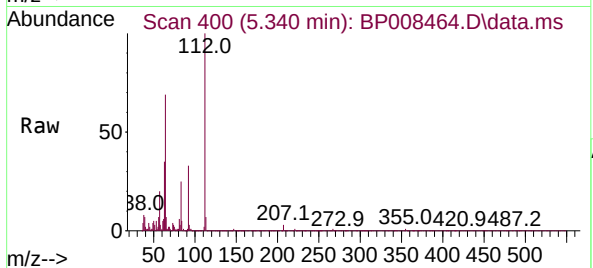




#5
2-Fluorophenol
Concen: 8.875 ng
RT: 5.340 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

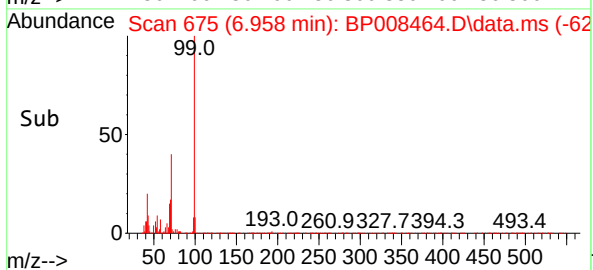
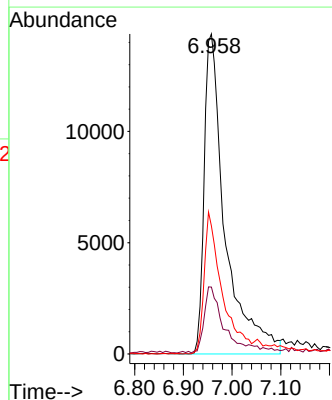
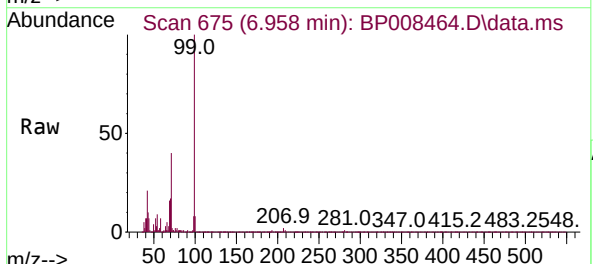
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL

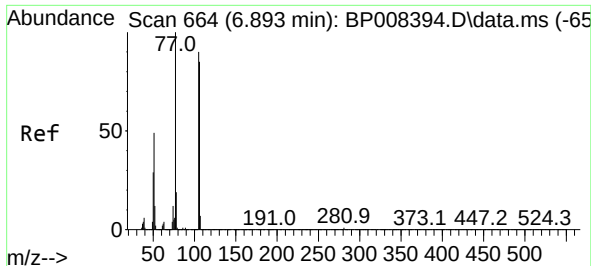
Tgt Ion: 112 Resp: 29330
Ion Ratio Lower Upper
112 100
64 68.6 53.4 80.2
63 34.6 27.8 41.8



#7
Phenol-d6
Concen: 9.666 ng
RT: 6.958 min Scan# 675
Delta R.T. 0.018 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion: 99 Resp: 42901
Ion Ratio Lower Upper
99 100
42 20.9 14.6 22.0
71 40.0 31.1 46.7

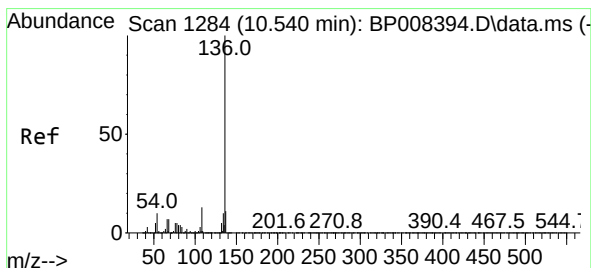
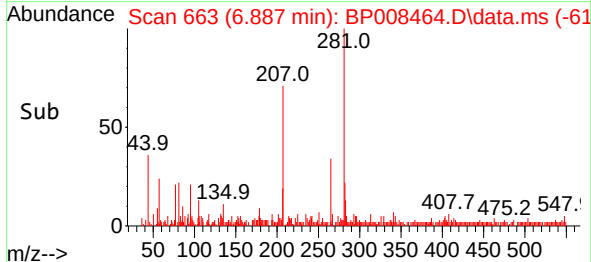
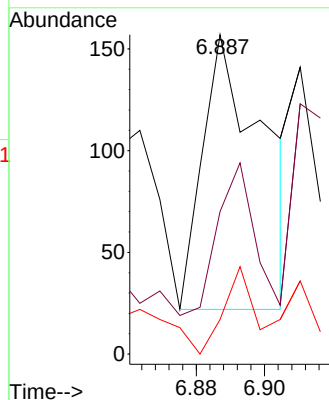
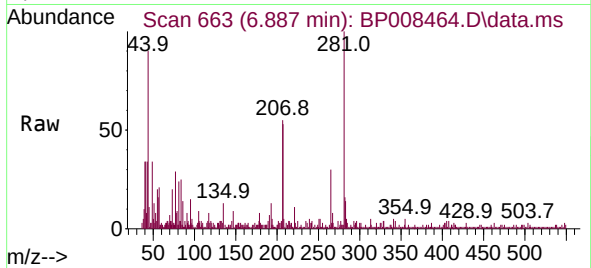




#9
Benzaldehyde
Concen: Below Cal
RT: 6.887 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

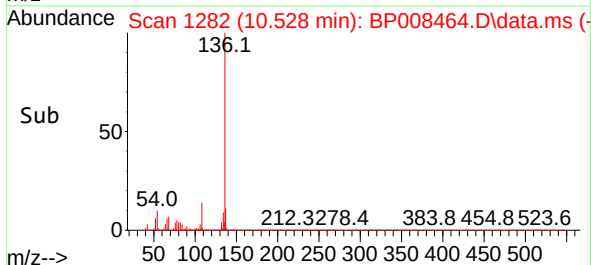
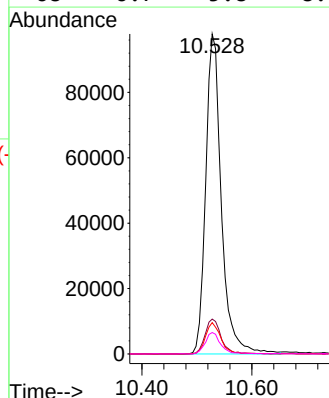
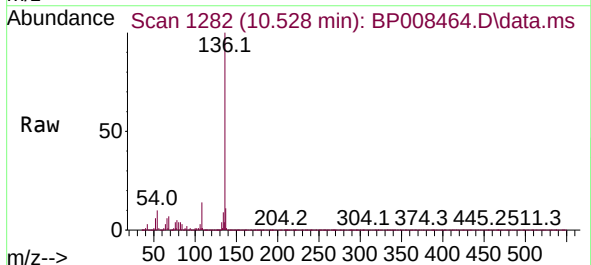
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL

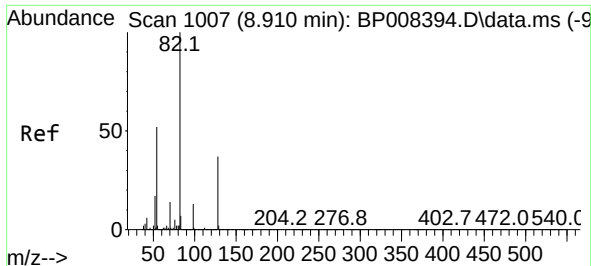
Tgt Ion: 77 Resp: 165
Ion Ratio Lower Upper
77 100
105 44.6 71.8 111.8#
106 10.8 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion: 136 Resp: 193120
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 9.8 8.2 12.4
68 6.7 5.8 8.8

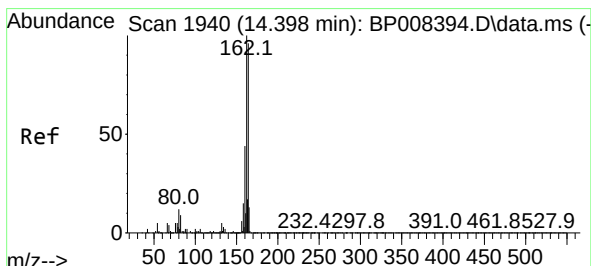
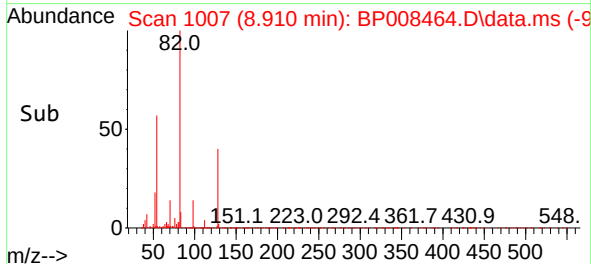
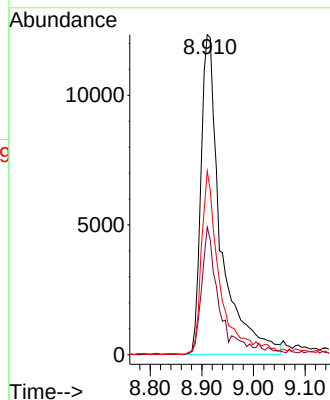
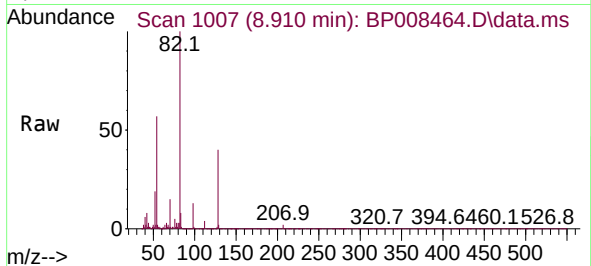




#23
Nitrobenzene-d5
Concen: 7.211 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

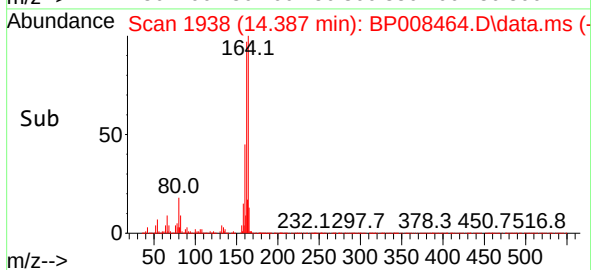
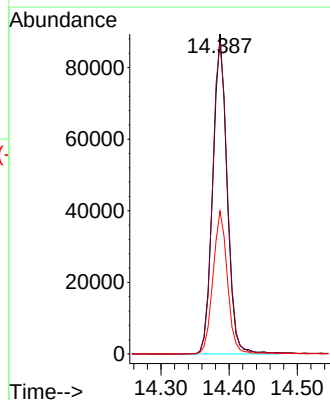
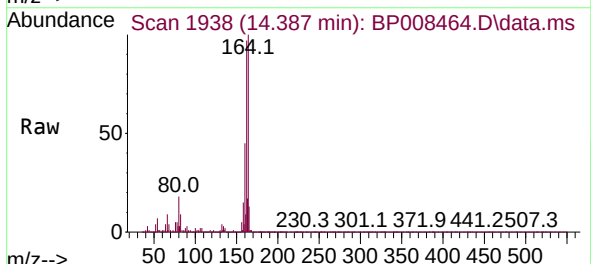
Instrument :
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ClientSampleId :
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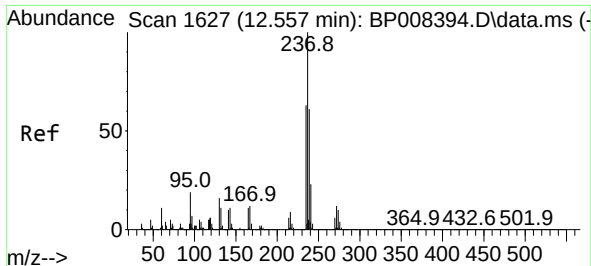
Tgt Ion:	82	Resp:	32870
Ion	Ratio	Lower	Upper
82	100		
128	39.9	29.6	44.4
54	57.3	42.7	64.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.011 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:	164	Resp:	130229
Ion	Ratio	Lower	Upper
164	100		
162	97.2	81.9	122.9
160	44.6	35.4	53.0

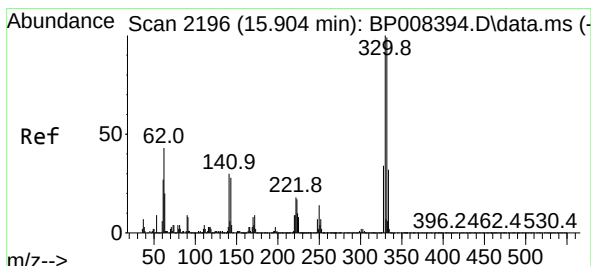
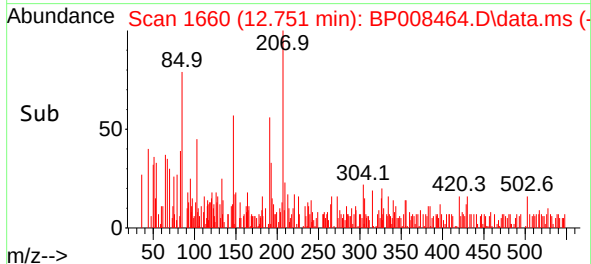
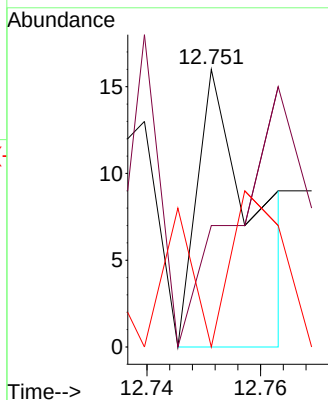
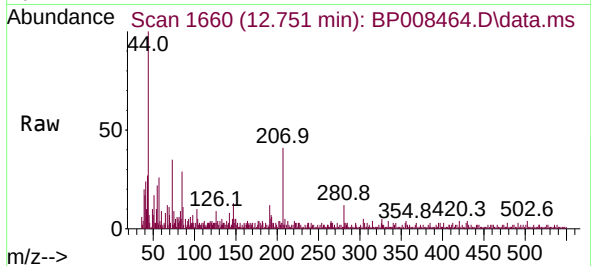




#41
Hexachlorocyclopentadiene
Concen: 8.659 ng
RT: 12.751 min Scan# 1660
Delta R.T. 0.194 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

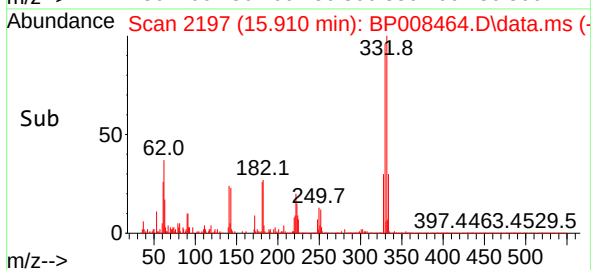
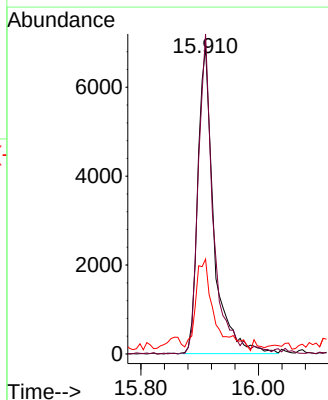
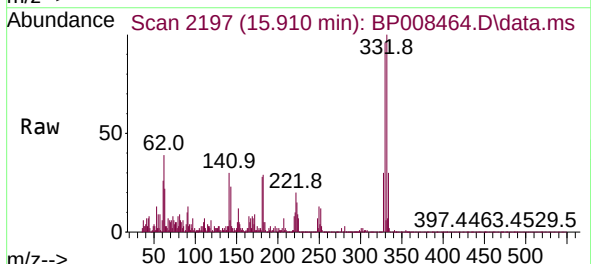
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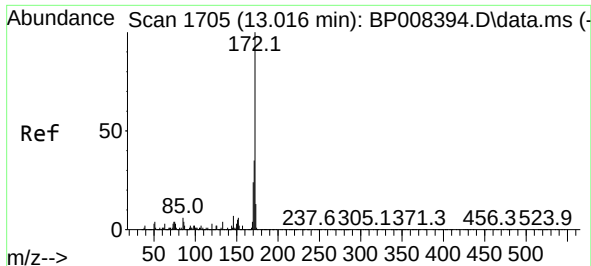
Tgt Ion:	237	Resp:	11
Ion	Ratio	Lower	Upper
237	100		
235	43.8	42.3	82.3
272	0.0	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 6.818 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:	330	Resp:	13049
Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.4
141	34.6	28.4	42.6

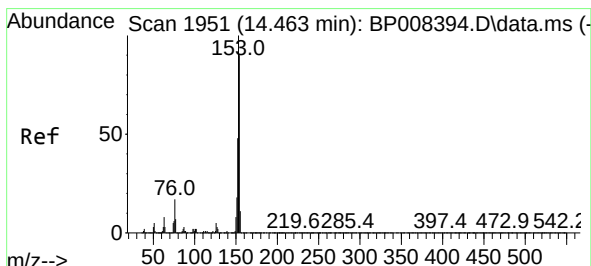
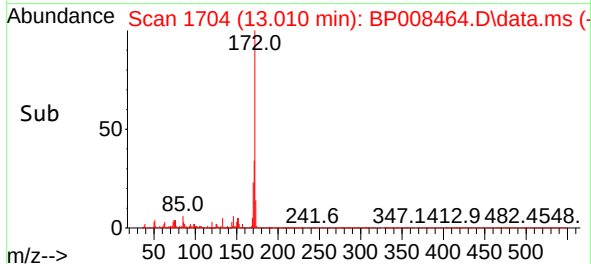
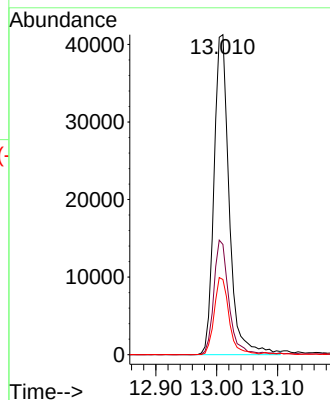
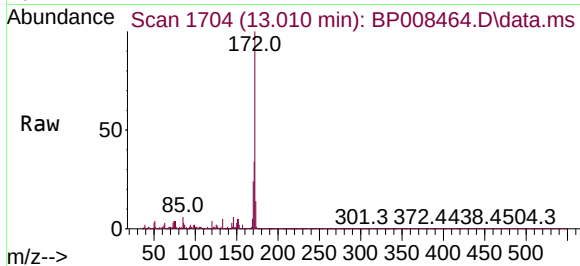




#45
2-Fluorobiphenyl
Concen: 6.997 ng
RT: 13.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

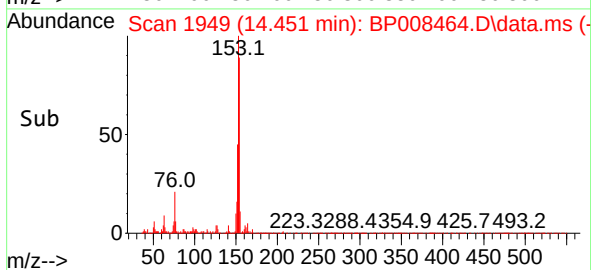
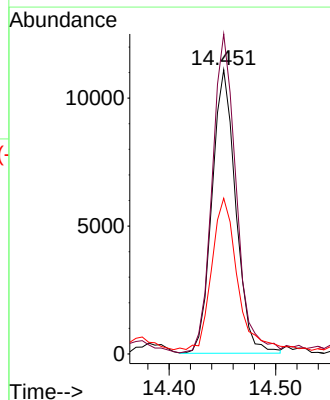
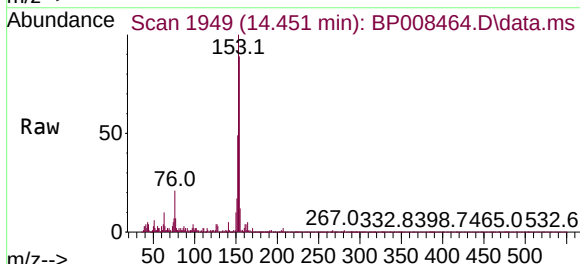
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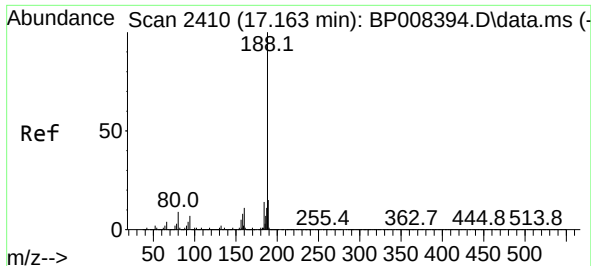
Tgt Ion:172	Resp:	71681
Ion Ratio	Lower	Upper
172	100	
171	34.4	28.0 42.0
170	23.5	18.9 28.3



#52
Acenaphthene
Concen: 2.444 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:154	Resp:	17149
Ion Ratio	Lower	Upper
154	100	
153	112.6	90.3 135.5
152	54.8	43.3 64.9

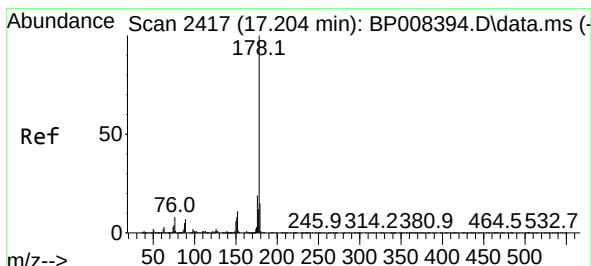
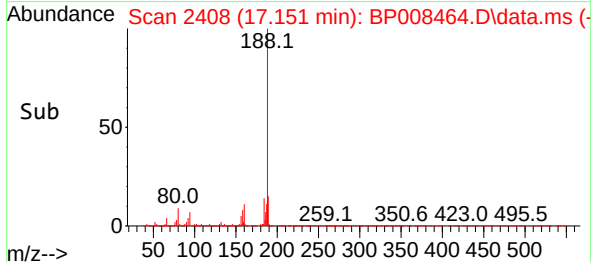
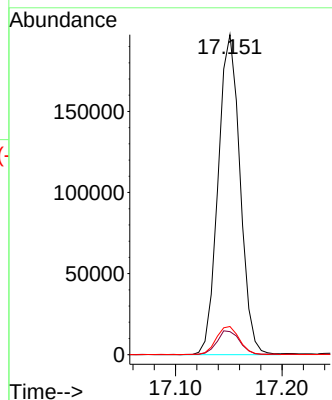
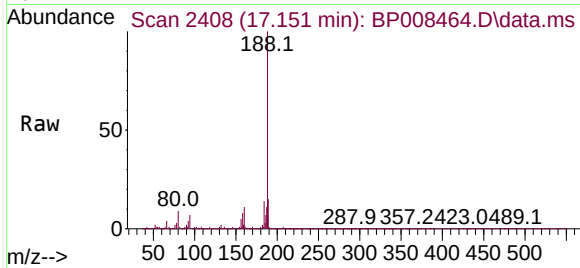




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

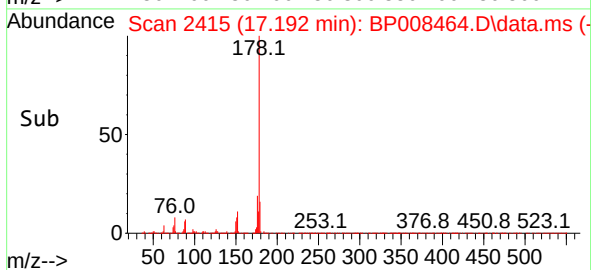
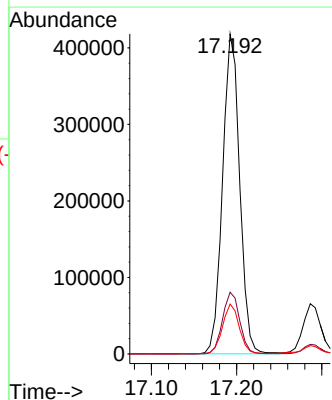
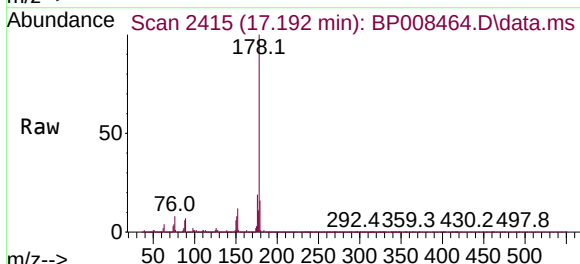
Instrument :
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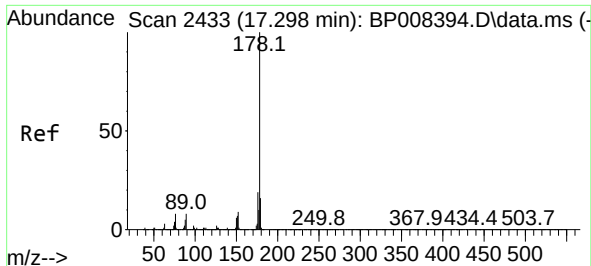
Tgt Ion:188 Resp: 282146
Ion Ratio Lower Upper
188 100
94 7.2 7.2 10.8#
80 8.8 8.2 12.4



#71
Phenanthrene
Concen: 38.124 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:178 Resp: 582670
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.6 12.5 18.7

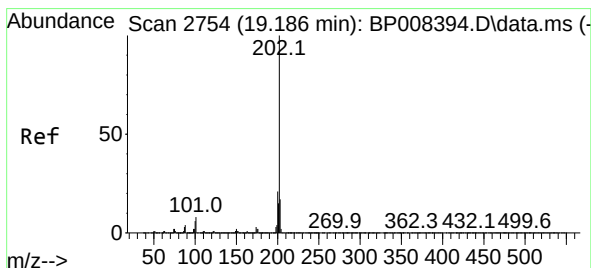
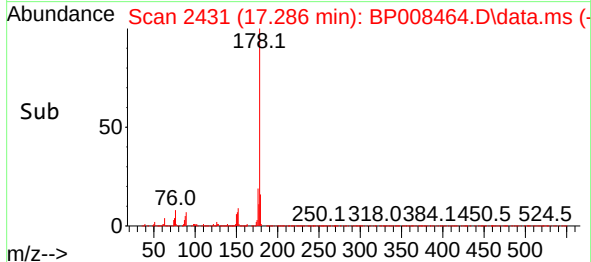
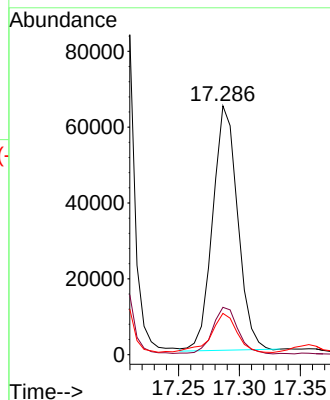
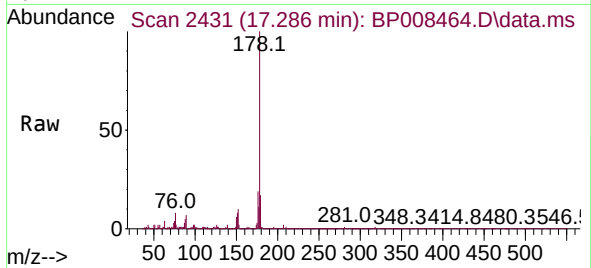




#72
 Anthracene
 Concen: 6.112 ng
 RT: 17.286 min Scan# 2433
 Delta R.T. -0.012 min
 Lab File: BP008464.D
 Acq: 16 Dec 2021 21:37

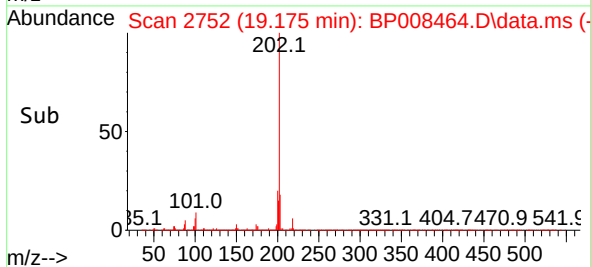
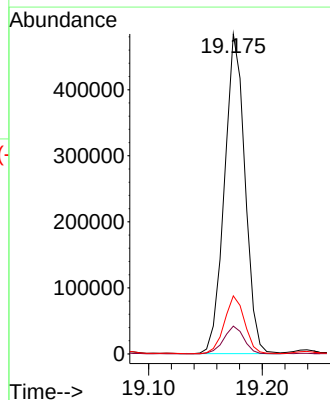
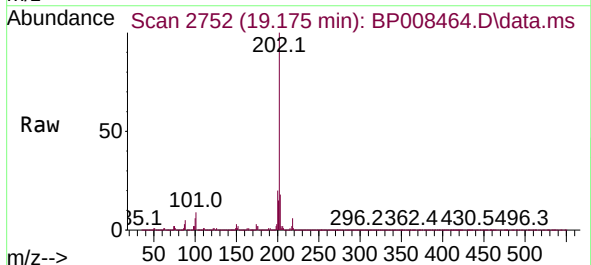
Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-CDL

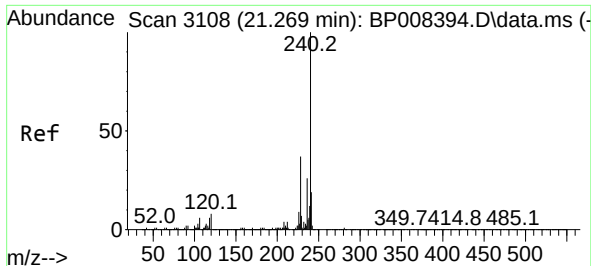
Tgt Ion:178	Resp:	92156
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.1 22.7
179	16.6	12.3 18.5



#75
 Fluoranthene
 Concen: 35.156 ng
 RT: 19.175 min Scan# 2752
 Delta R.T. -0.012 min
 Lab File: BP008464.D
 Acq: 16 Dec 2021 21:37

Tgt Ion:202	Resp:	606620
Ion Ratio	Lower	Upper
202	100	
101	8.7	0.0 29.8
203	18.1	0.0 37.7

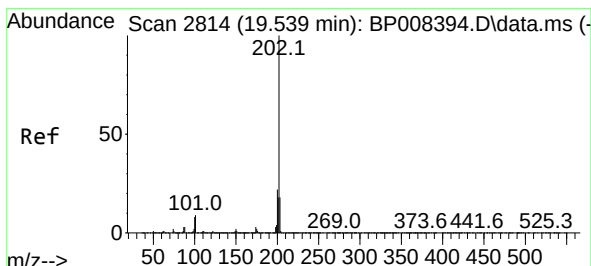
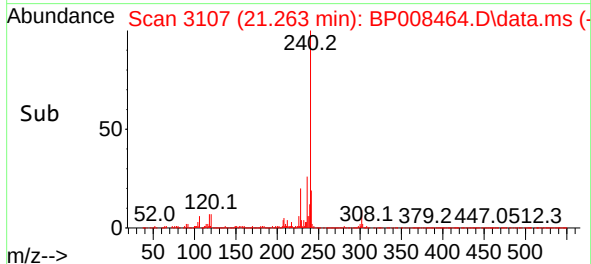
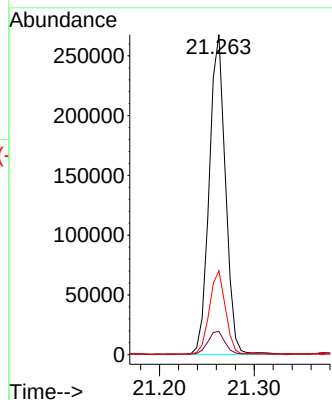
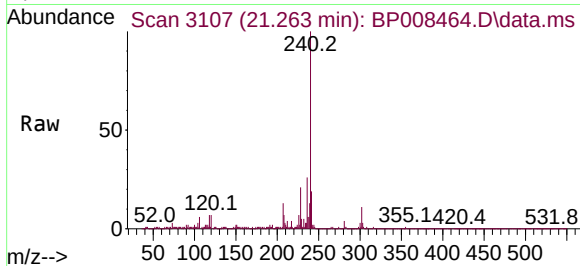




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

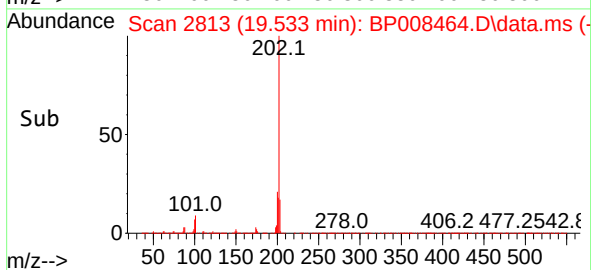
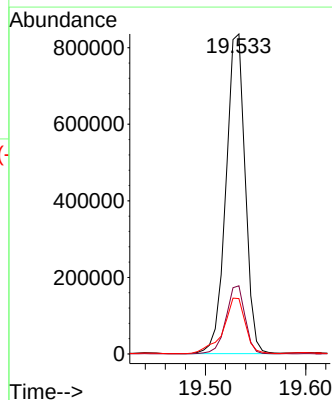
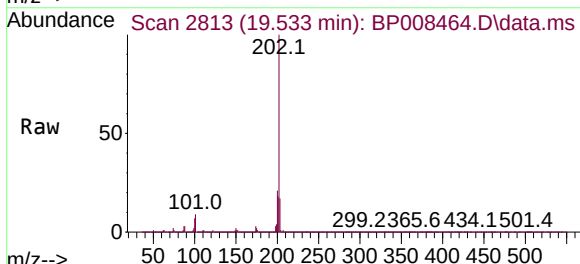
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL

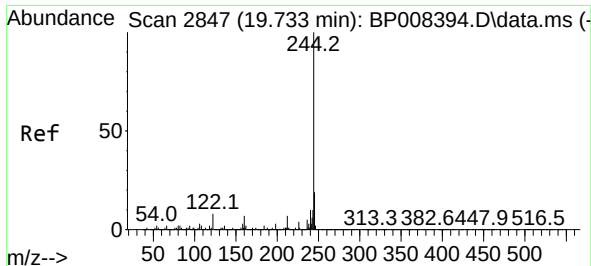
Tgt Ion:240 Resp: 317369
Ion Ratio Lower Upper
240 100
120 7.3 7.3 10.9#
236 26.3 21.4 32.2



#78
Pyrene
Concen: 48.878 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:202 Resp: 1109845
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.3 14.2 21.2

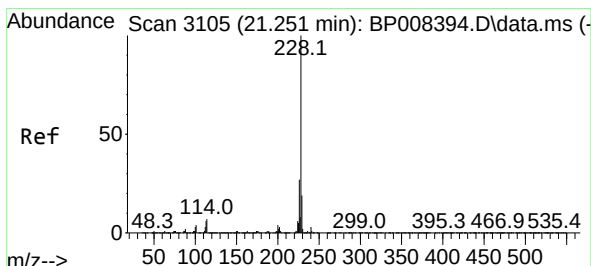
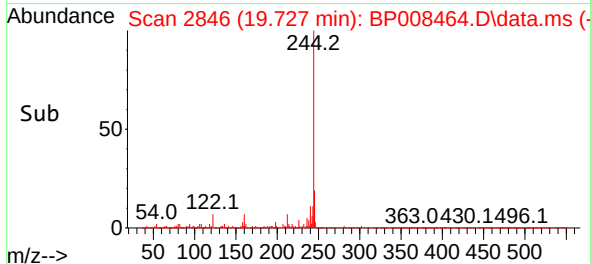
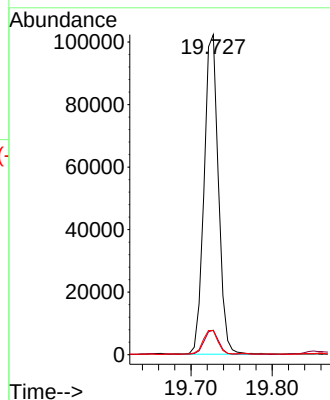
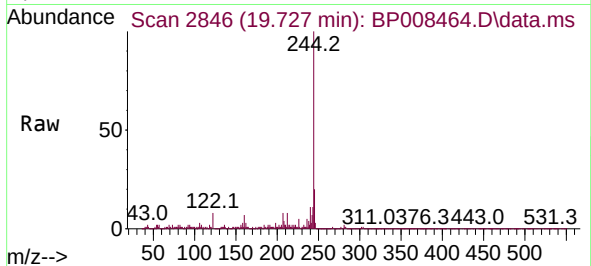




#79
 Terphenyl-d14
 Concen: 6.852 ng
 RT: 19.727 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008464.D
 Acq: 16 Dec 2021 21:37

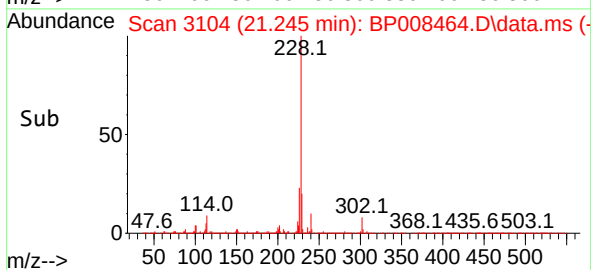
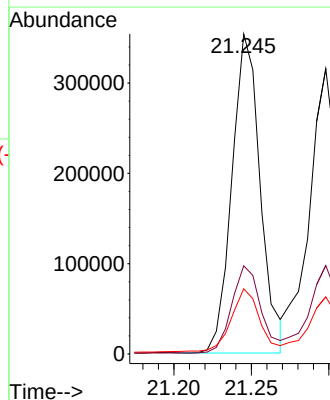
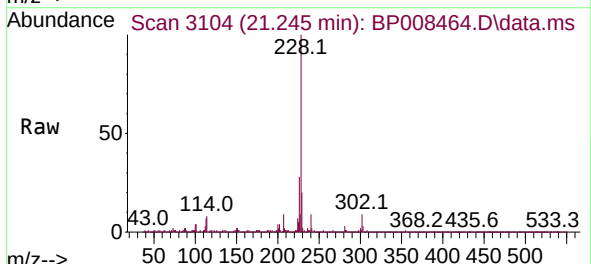
Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-CDL

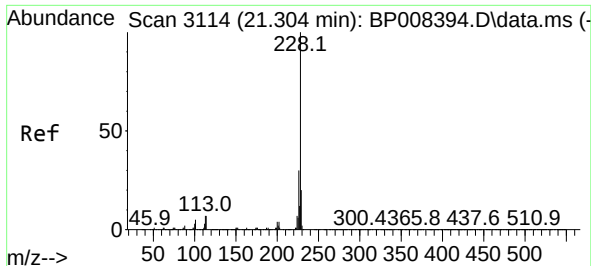
Tgt Ion:244	Resp:	124945
Ion Ratio	Lower	Upper
244	100	
212	7.7	6.0 9.0
122	7.5	6.6 9.8



#81
 Benzo(a)anthracene
 Concen: 21.132 ng
 RT: 21.245 min Scan# 3104
 Delta R.T. -0.006 min
 Lab File: BP008464.D
 Acq: 16 Dec 2021 21:37

Tgt Ion:228	Resp:	449463
Ion Ratio	Lower	Upper
228	100	
226	27.5	21.9 32.9
229	20.3	15.9 23.9





#83

Chrysene

Concen: 20.364 ng

RT: 21.298 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP008464.D

Acq: 16 Dec 2021 21:37

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-CDL

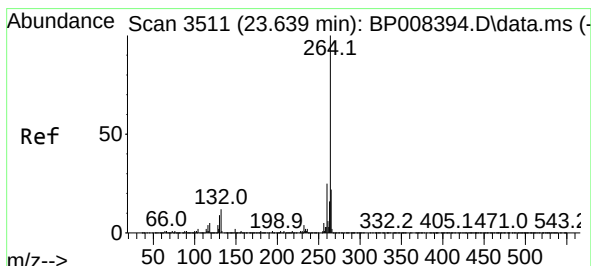
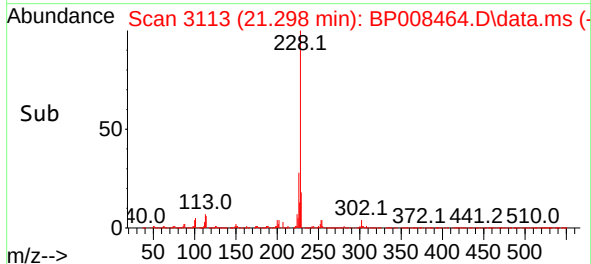
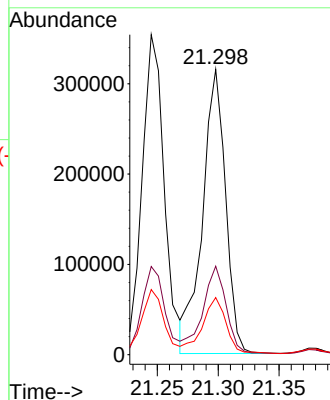
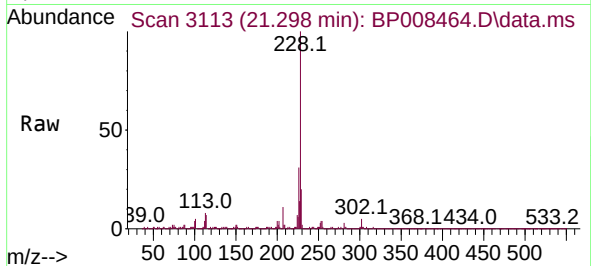
Tgt Ion:228 Resp: 413717

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

229 20.0 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.627 min Scan# 3509

Delta R.T. -0.012 min

Lab File: BP008464.D

Acq: 16 Dec 2021 21:37

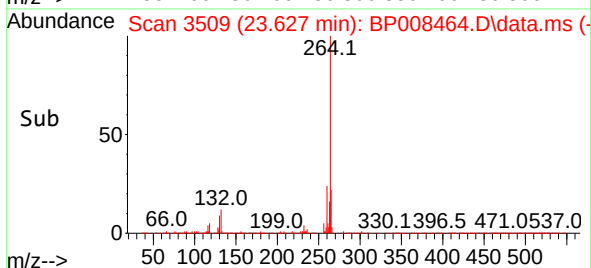
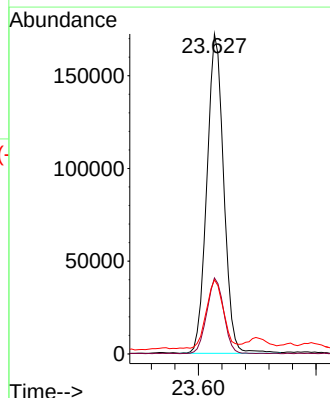
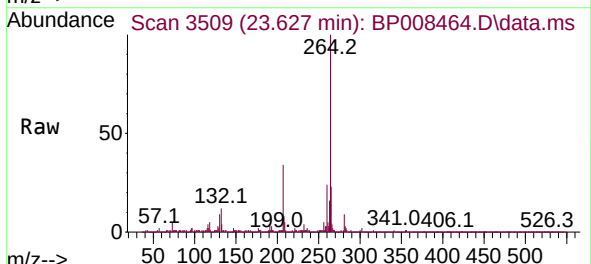
Tgt Ion:264 Resp: 342201

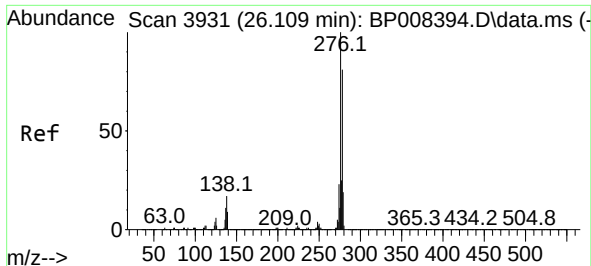
Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 23.1 17.6 26.4

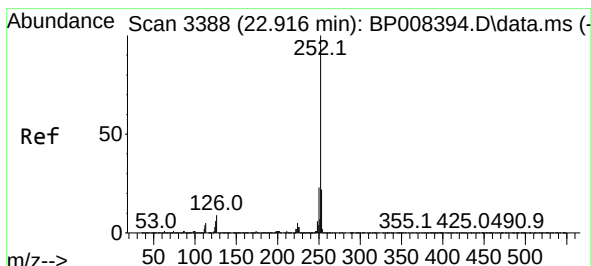
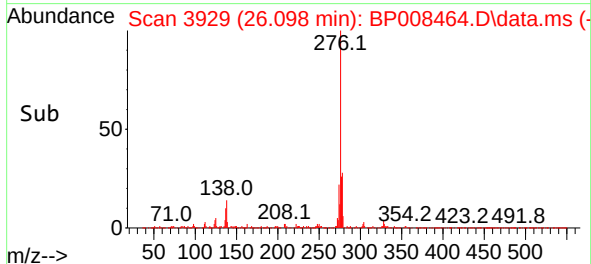
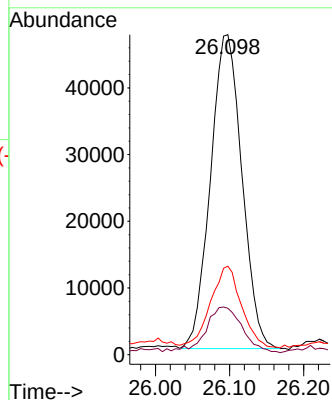
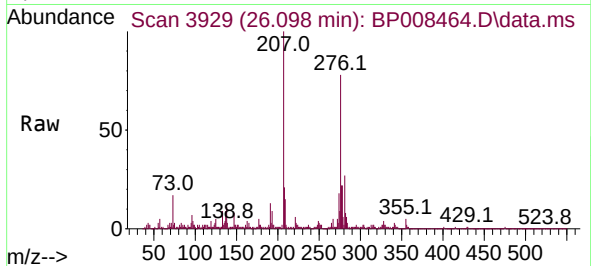




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.158 ng
RT: 26.098 min Scan# 3931
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

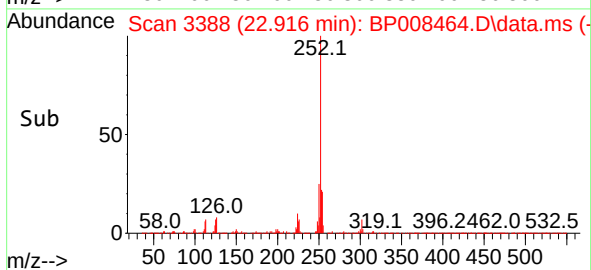
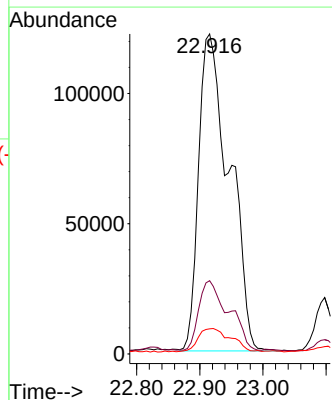
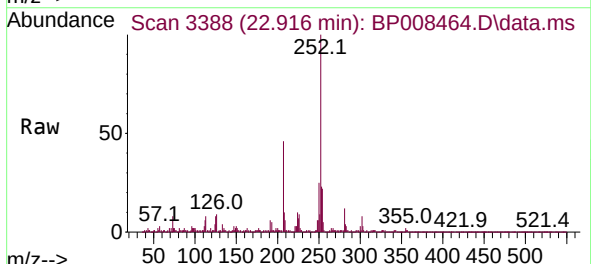
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL

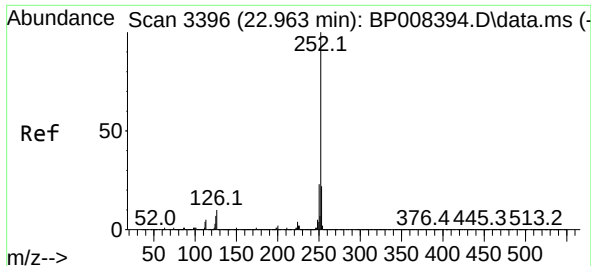
Tgt Ion:276 Resp: 138947
Ion Ratio Lower Upper
276 100
138 17.0 16.6 25.0
277 25.5 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 19.975 ng
RT: 22.916 min Scan# 3388
Delta R.T. -0.000 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:252 Resp: 411184
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 7.9 6.2 9.4

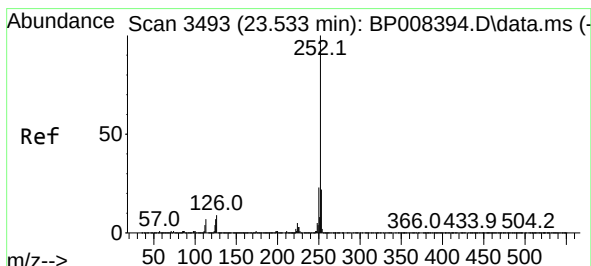
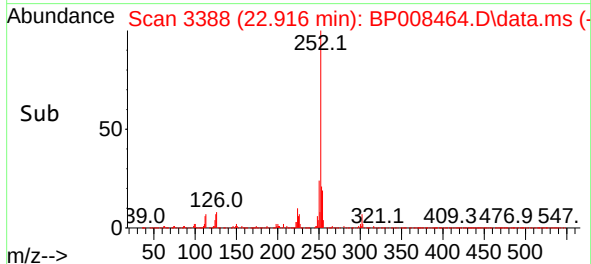
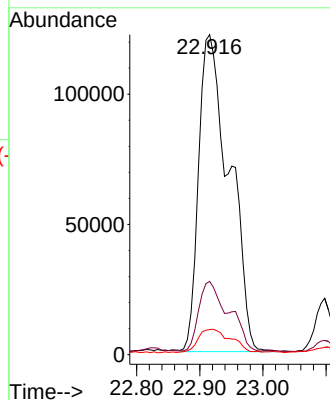
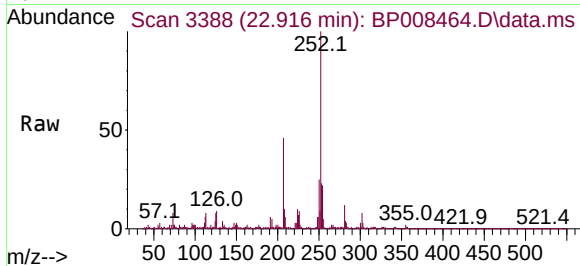




#89
Benzo(k)fluoranthene
Concen: 19.808 ng
RT: 22.916 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

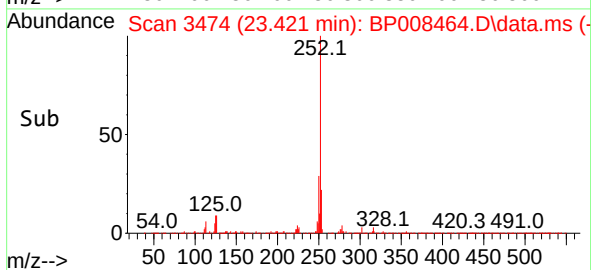
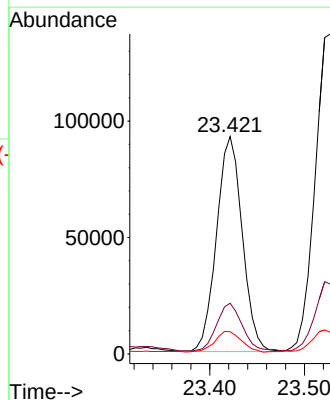
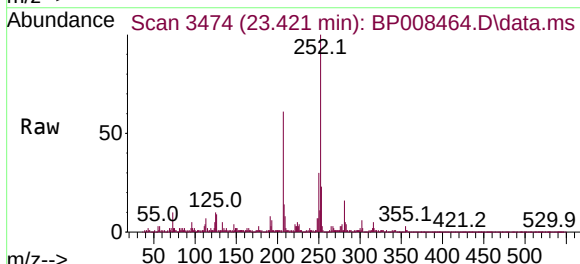
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL

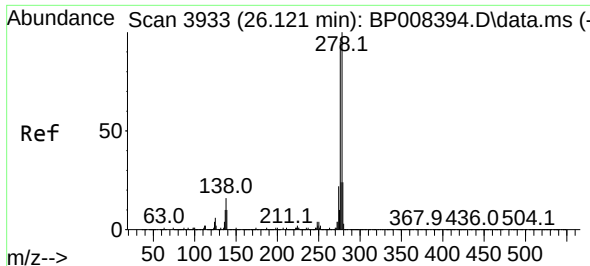
Tgt Ion:252 Resp: 411184
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 7.9 6.5 9.7



#90
Benzo(a)pyrene
Concen: 9.757 ng
RT: 23.421 min Scan# 3474
Delta R.T. -0.112 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:252 Resp: 174328
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 10.3 7.4 11.0

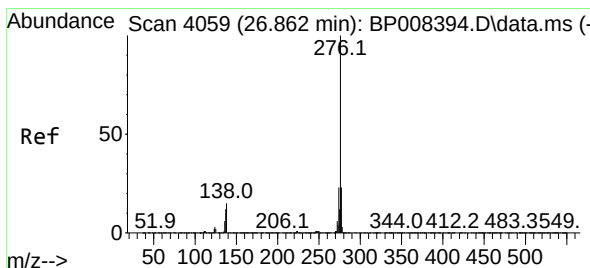
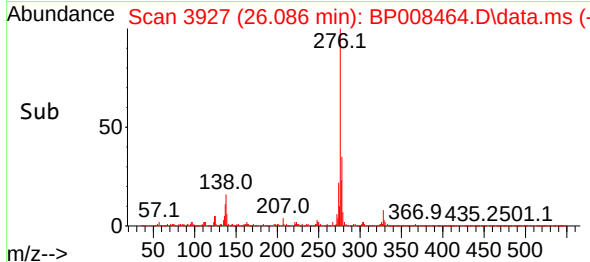
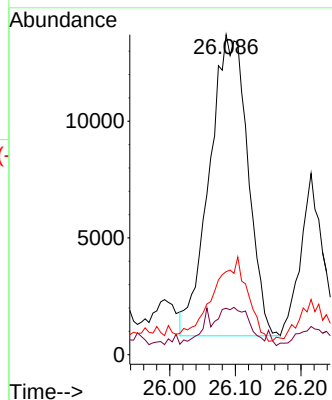
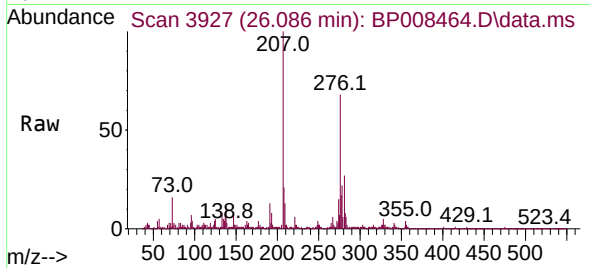




#91
Dibenzo(a,h)anthracene
Concen: 2.319 ng
RT: 26.086 min Scan# 3933
Delta R.T. -0.035 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL

Tgt Ion: 278 Resp: 52282
Ion Ratio Lower Upper
278 100
139 14.5 10.8 16.2
279 26.0 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 6.462 ng
RT: 26.856 min Scan# 4058
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion: 276 Resp: 144289
Ion Ratio Lower Upper
276 100
277 24.7 20.0 30.0
138 15.1 14.1 21.1

