

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
 Data File : BP007345.D
 Acq On : 06 Oct 2021 02:18
 Operator : CG/JU
 Sample : M4032-01DL 4X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-08-100121DL

Manual Integrations
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mohammad
 10/8/2021 8:33:12 AM

Quant Time: Oct 06 05:28:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 12:49:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	176142	20.00	ng	0.00
21) Naphthalene-d8	10.663	136	697858	20.00	ng	# 0.00
39) Acenaphthene-d10	14.498	164	467513	20.00	ng	0.00
64) Phenanthrene-d10	17.251	188	1010449	20.00	ng	# 0.00
76) Chrysene-d12	21.339	240	1004792	20.00	ng	# 0.00
86) Perylene-d12	23.745	264	1073445	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	238318	22.65	ng	-0.01
7) Phenol-d6	7.040	99	275568	19.16	ng	-0.01
23) Nitrobenzene-d5	9.028	82	169253	14.12	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	125249	20.66	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	440703	13.50	ng	0.00
79) Terphenyl-d14	19.804	244	734757	14.01	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.710	128	160617	4.51	ng	100
37) 2-Methylnaphthalene	12.322	142	370332	14.85	ng	97
38) 1-Methylnaphthalene	12.540	142	290441	11.92	ng	99
52) Acenaphthene	14.557	154	298833	11.89	ng	99
55) Dibenzofuran	14.898	168	332278	7.92	ng	96
58) Fluorene	15.545	166	383290	11.83	ng	100
71) Phenanthrene	17.292	178	2343289	43.25	ng	99
72) Anthracene	17.387	178	1012875	19.11	ng	100
73) Carbazole	17.657	167	300950	5.79	ng	99
75) Fluoranthene	19.263	202	2479679	39.72	ng	98
78) Pyrene	19.616	202	2152316	32.65	ng	99
81) Benzo(a)anthracene	21.322	228	1245461	19.10	ng	97
83) Chrysene	21.375	228	1038732	16.66	ng	95
87) Indeno(1,2,3-cd)pyrene	26.263	276	569053	7.38	ng	99
88) Benzo(b)fluoranthene	23.010	252	1257116	19.60	ng	# 95
89) Benzo(k)fluoranthene	23.051	252	456583m	7.03	ng	
90) Benzo(a)pyrene	23.639	252	995033	18.26	ng	# 96
91) Dibenzo(a,h)anthracene	26.268	278	168873	2.61	ng	# 75
92) Benzo(g,h,i)perylene	27.039	276	535721	8.49	ng	# 93

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

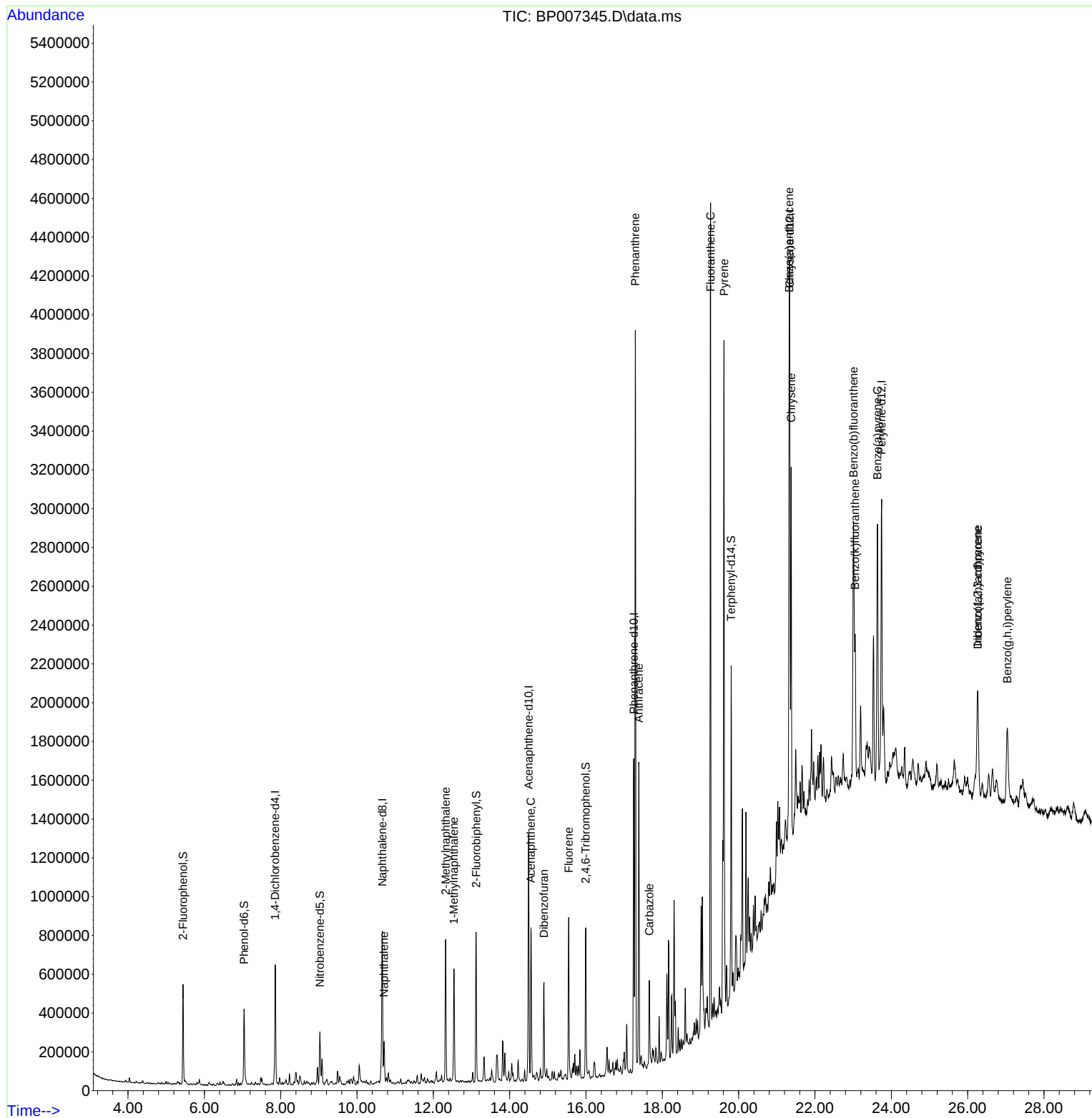
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007345.D
Acq On : 06 Oct 2021 02:18
Operator : CG/JU
Sample : M4032-01DL 4X
Misc :
ALS Vial : 19 Sample Multiplier: 1

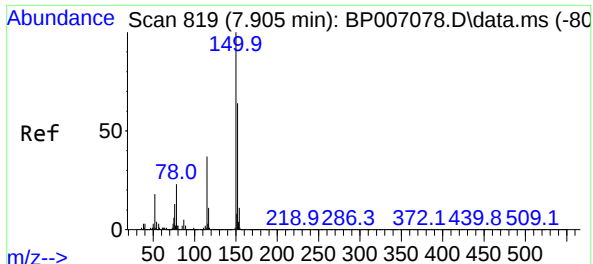
Instrument :
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Quant Time: Oct 06 05:28:50 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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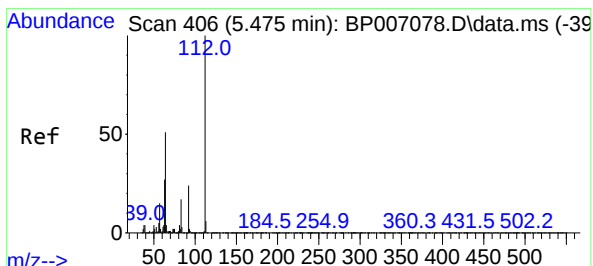
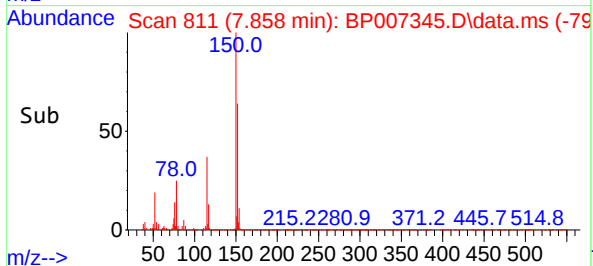
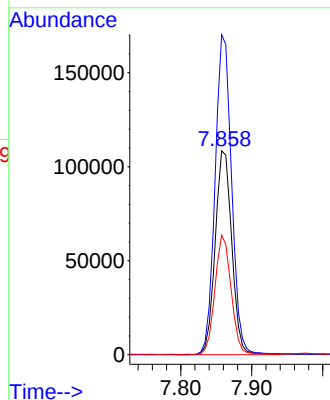
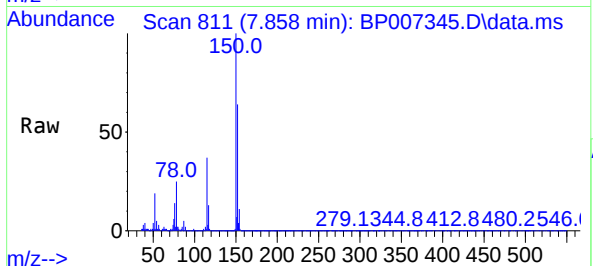
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.858 min Scan# 811
Delta R.T. -0.005 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:152 Resp: 176142
Ion Ratio Lower Upper
152 100
150 157.0 125.6 188.4
115 58.7 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

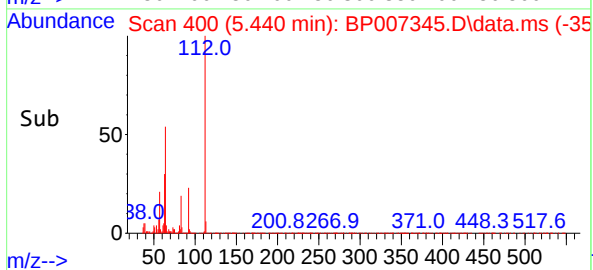
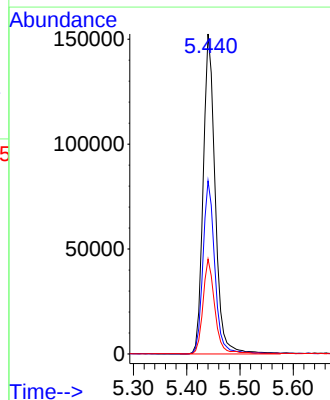
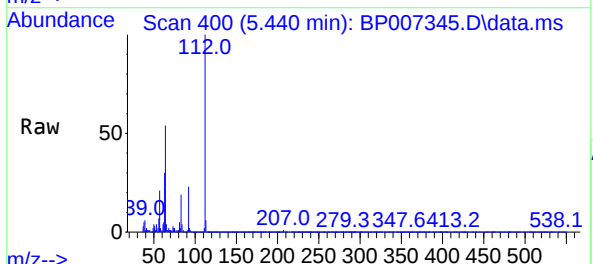
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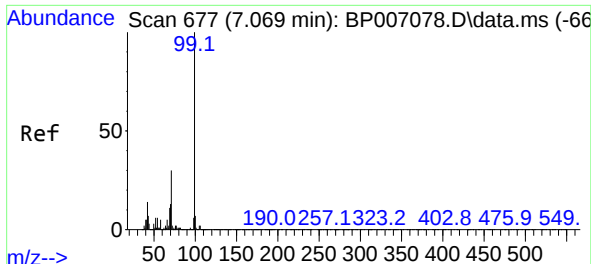
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#5
2-Fluorophenol
Concen: 22.65 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.011 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

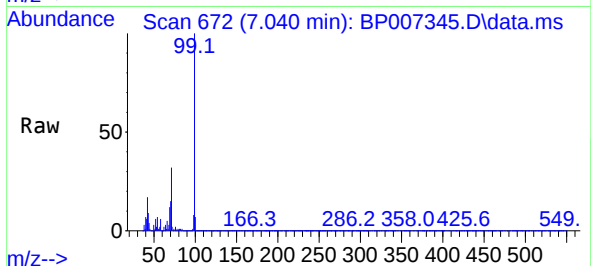
Tgt Ion:112 Resp: 238318
Ion Ratio Lower Upper
112 100
64 54.1 41.4 62.2
63 29.7 23.8 35.8





#7
Phenol-d6
Concen: 19.16 ng
RT: 7.040 min Scan# 672
Delta R.T. -0.011 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

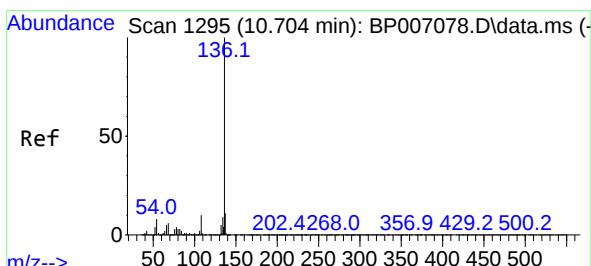
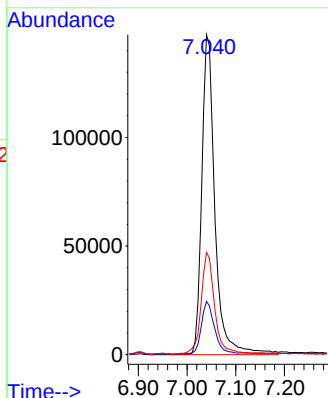
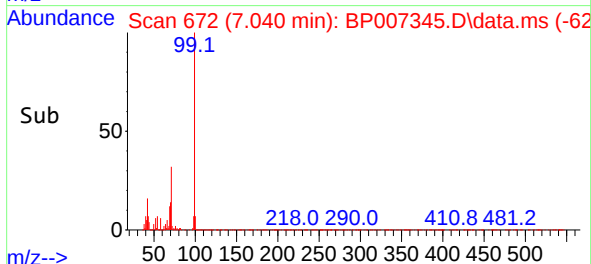
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL



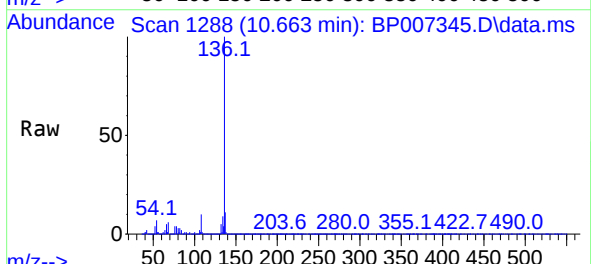
Tgt Ion: 99 Resp: 275568
Ion Ratio Lower Upper
99 100
42 16.7 13.4 20.0
71 32.0 30.6 46.0

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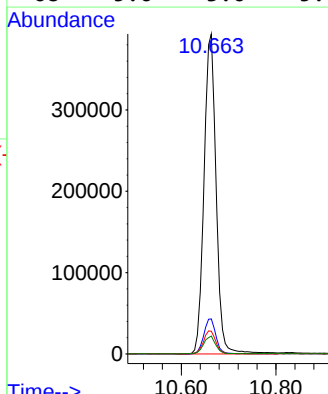
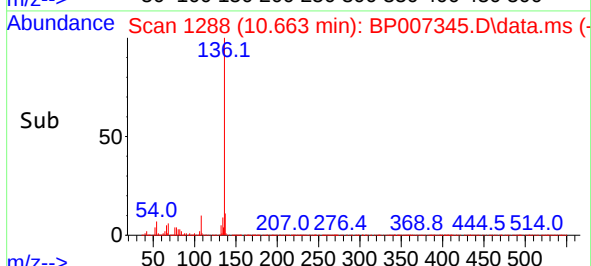
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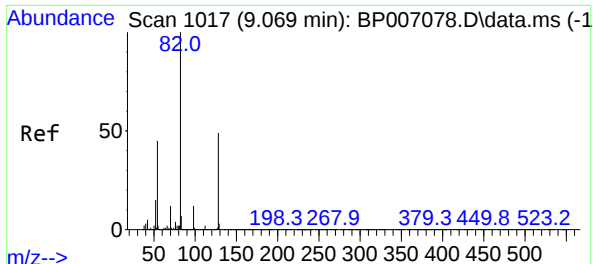


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18



Tgt Ion: 136 Resp: 697858
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.1 4.6 6.8#
68 5.6 3.6 5.4#





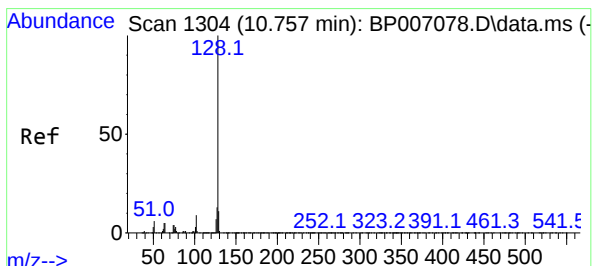
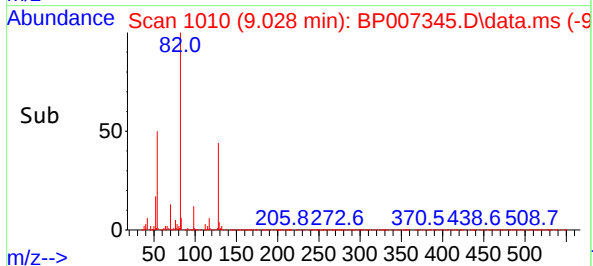
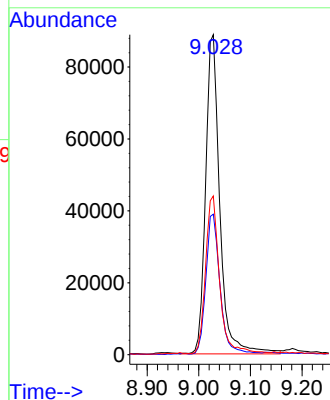
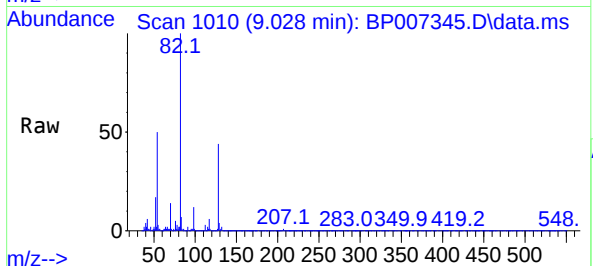
#23
Nitrobenzene-d5
Concen: 14.12 ng
RT: 9.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion: 82 Resp: 169253
Ion Ratio Lower Upper
82 100
128 43.9 35.7 53.5
54 49.6 35.0 52.4

Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

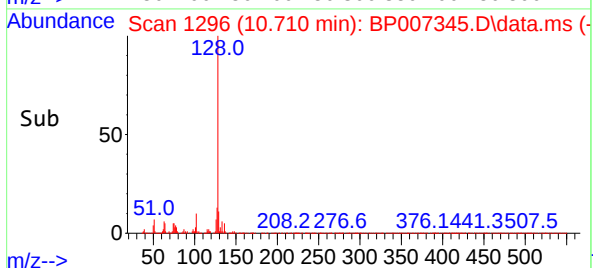
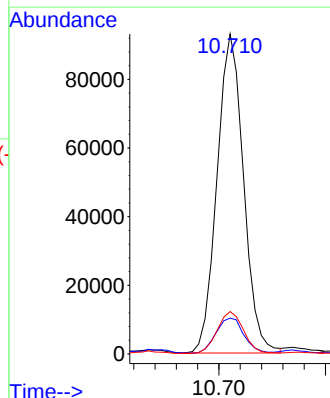
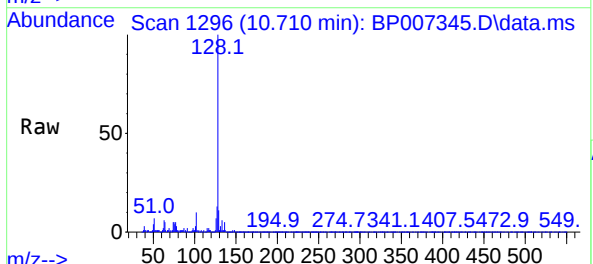
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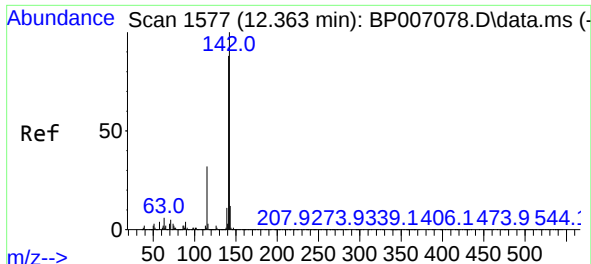
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#31
Naphthalene
Concen: 4.51 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

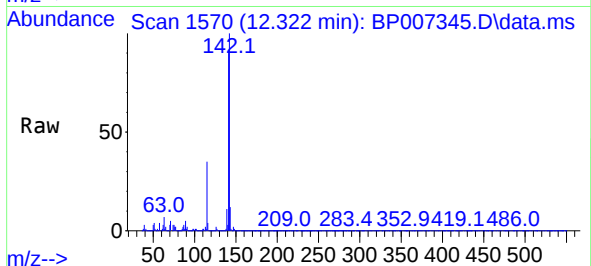
Tgt Ion: 128 Resp: 160617
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.3 10.7 16.1





#37
2-Methylnaphthalene
Concen: 14.85 ng
RT: 12.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

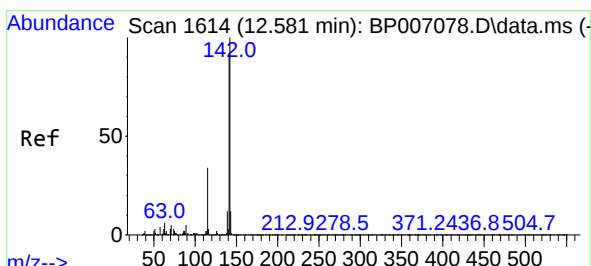
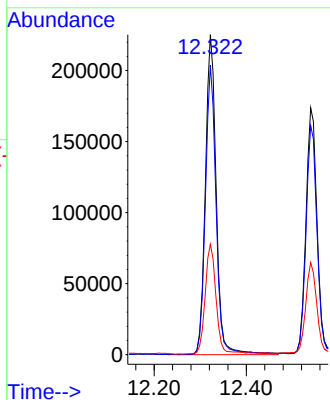
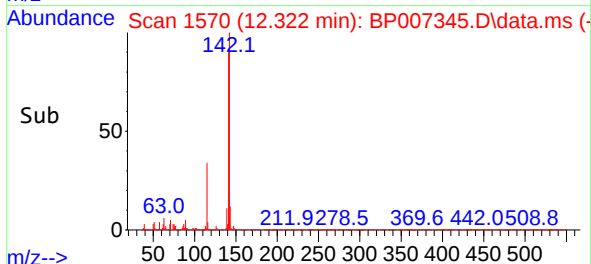
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL



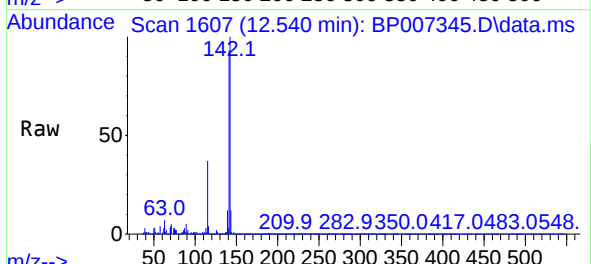
Tgt Ion:142 Resp: 370332
Ion Ratio Lower Upper
142 100
141 90.5 71.8 107.6
115 34.5 31.6 47.4

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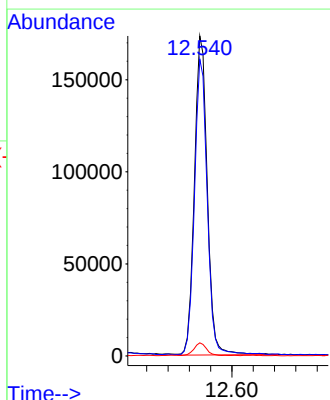
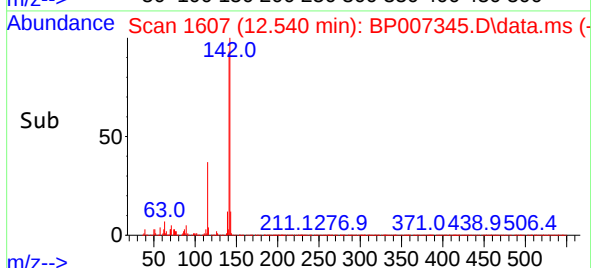
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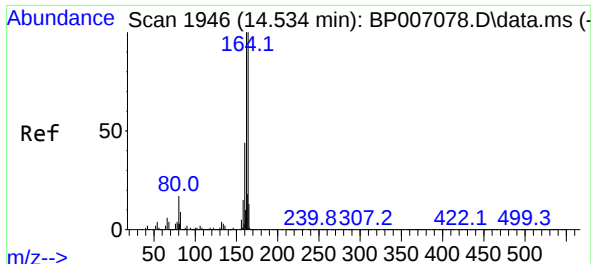


#38
1-Methylnaphthalene
Concen: 11.92 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18



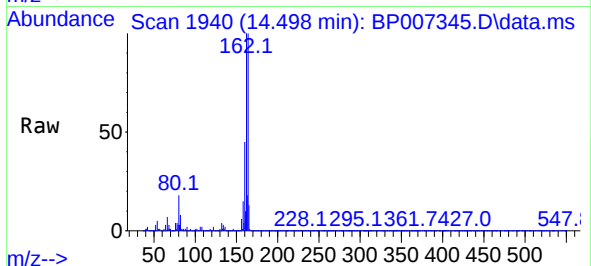
Tgt Ion:142 Resp: 290441
Ion Ratio Lower Upper
142 100
141 92.7 73.3 109.9
116 4.1 3.5 5.3





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

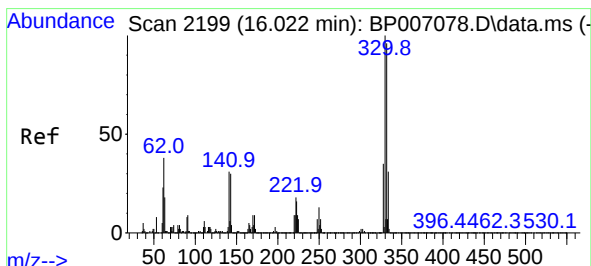
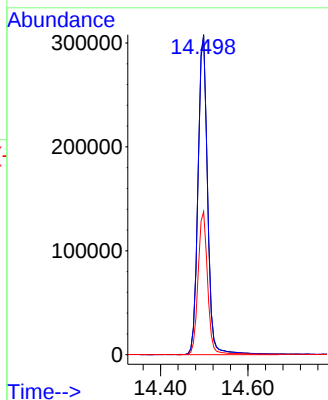
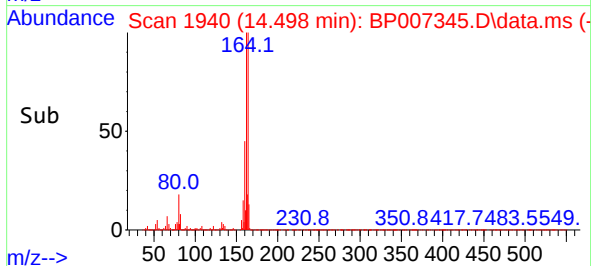
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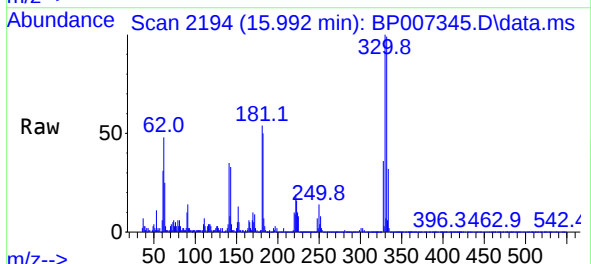
Tgt Ion:164 Resp: 467513
Ion Ratio Lower Upper
164 100
162 99.6 80.2 120.2
160 44.7 34.5 51.7

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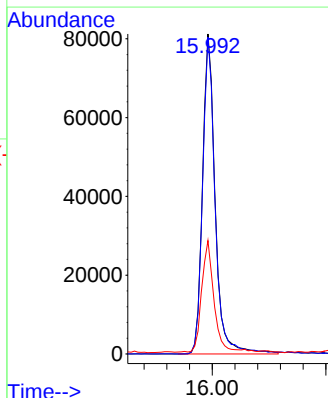
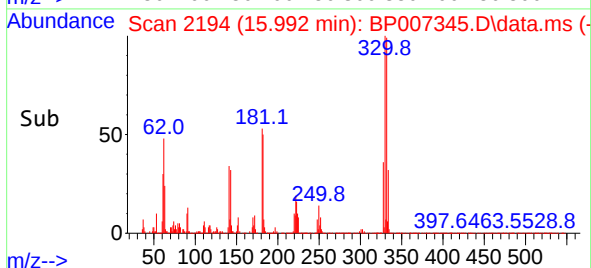
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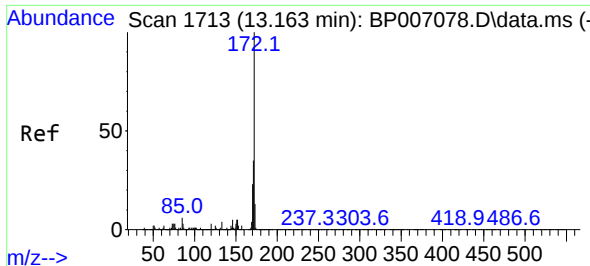


#42
2,4,6-Tribromophenol
Concen: 20.66 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18



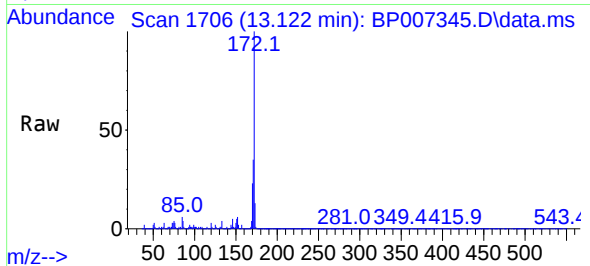
Tgt Ion:330 Resp: 125249
Ion Ratio Lower Upper
330 100
332 98.1 77.8 116.8
141 34.1 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 13.50 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

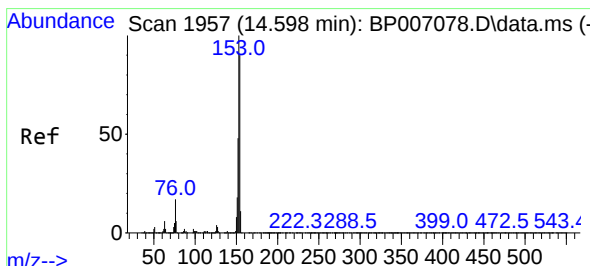
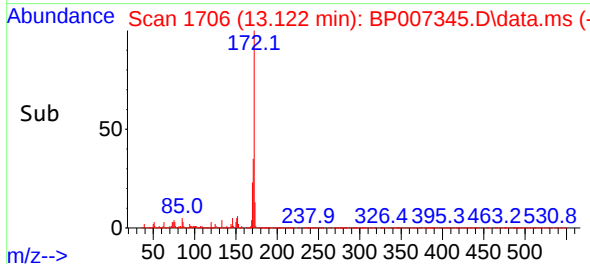
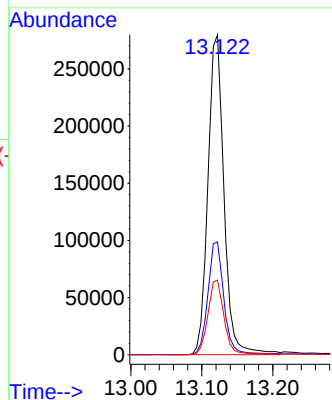
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL



Tgt Ion:172 Resp: 440703
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 23.3 18.6 27.8

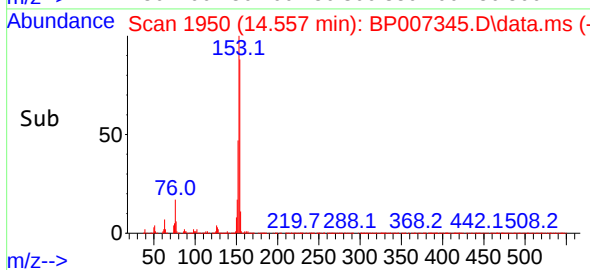
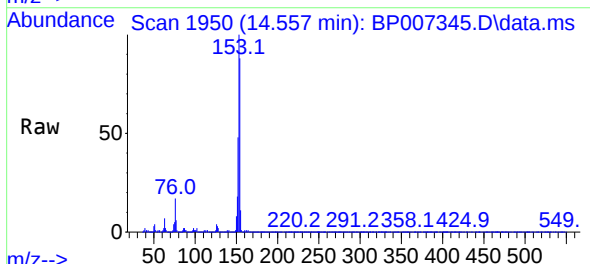
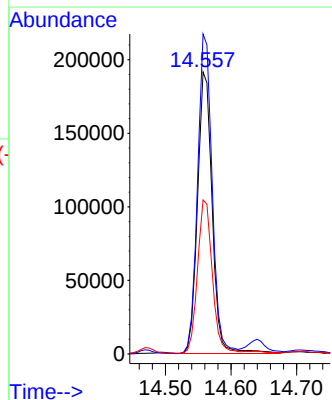
Manual Integrations
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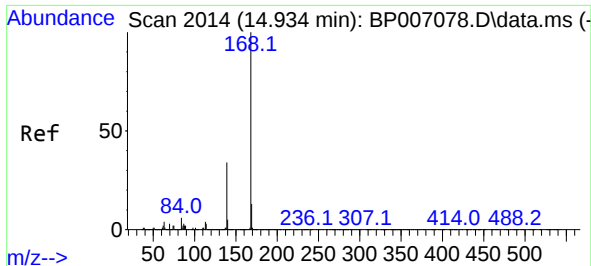
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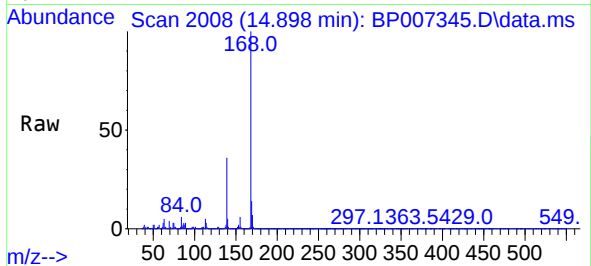
#52
Acenaphthene
Concen: 11.89 ng
RT: 14.557 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:154 Resp: 298833
Ion Ratio Lower Upper
154 100
153 113.5 89.4 134.2
152 54.6 43.0 64.4

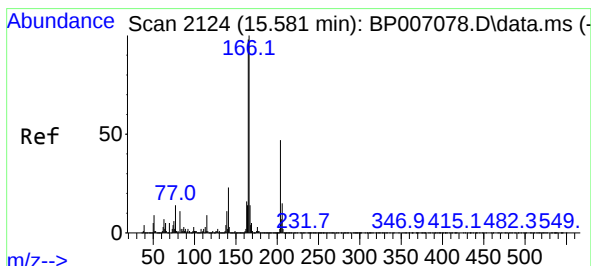
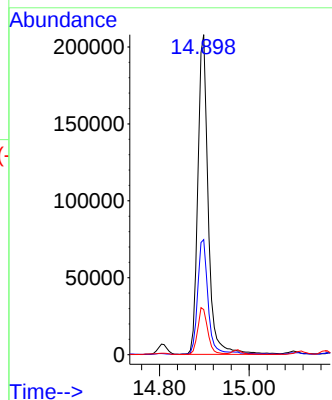
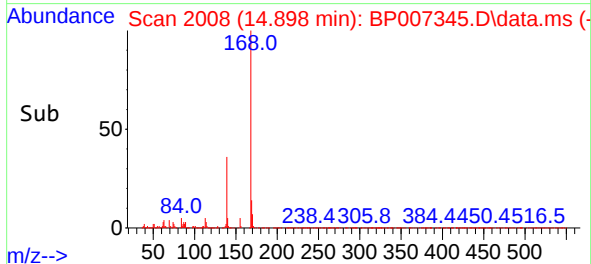




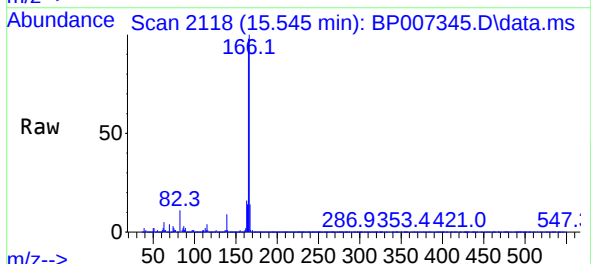
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Dibenzenofuran
Concen: 7.92 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18



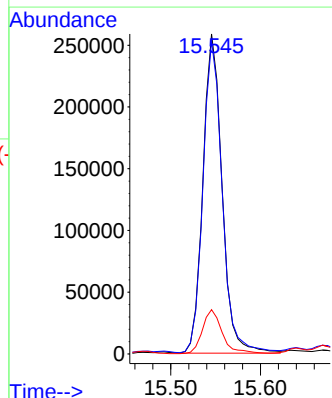
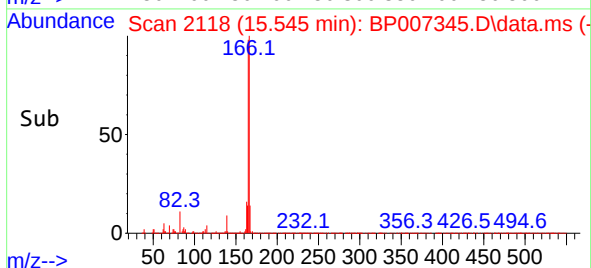
Tgt Ion:168 Resp: 332278
Ion Ratio Lower Upper
168 100
139 36.0 31.0 46.6
169 14.1 10.8 16.2



#58
Fluorene
Concen: 11.83 ng
RT: 15.545 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18



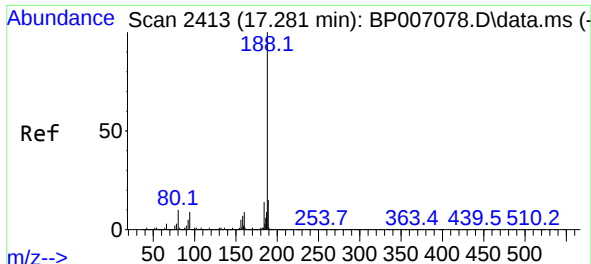
Tgt Ion:166 Resp: 383290
Ion Ratio Lower Upper
166 100
165 97.8 78.0 117.0
167 13.8 10.5 15.7



Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

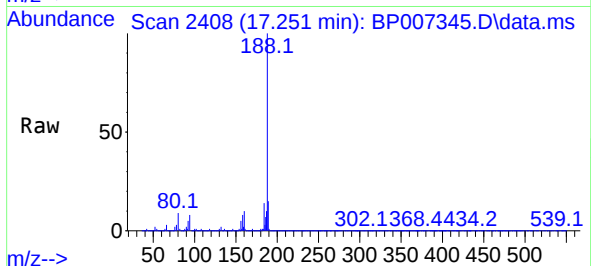
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

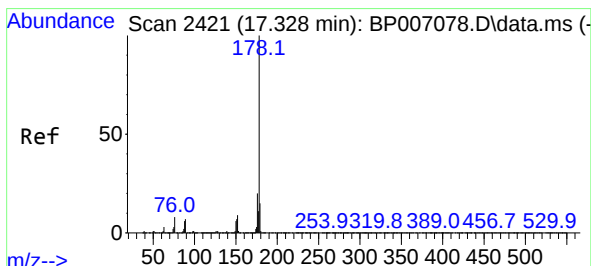
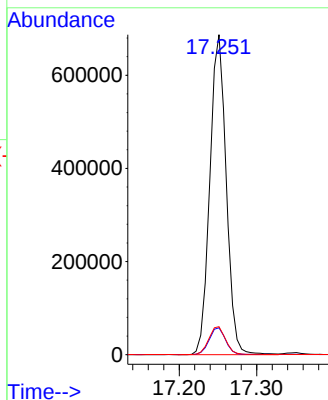
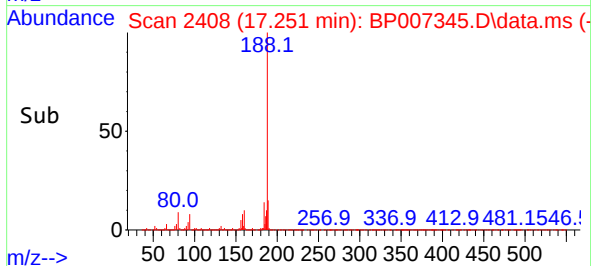
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL



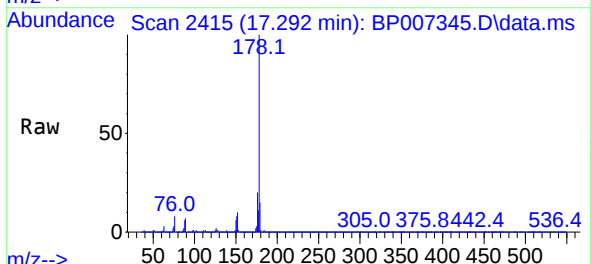
Tgt Ion:188 Resp: 1010449
Ion Ratio Lower Upper
188 100
94 8.4 5.6 8.4#
80 8.7 6.3 9.5

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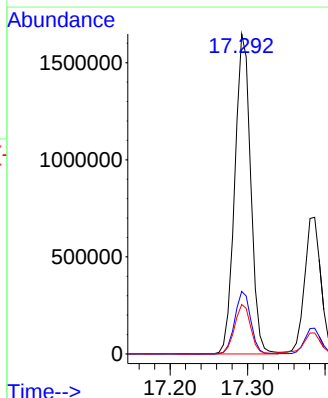
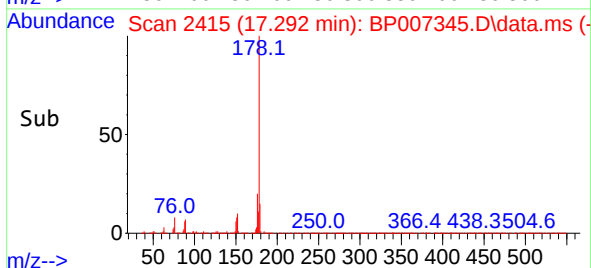
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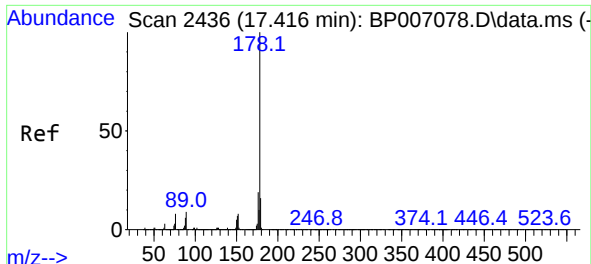


#71
Phenanthrene
Concen: 43.25 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18



Tgt Ion:178 Resp: 2343289
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 19.11 ng
 RT: 17.387 min Scan# 2431
 Delta R.T. 0.000 min
 Lab File: BP007345.D
 Acq: 06 Oct 2021 02:18

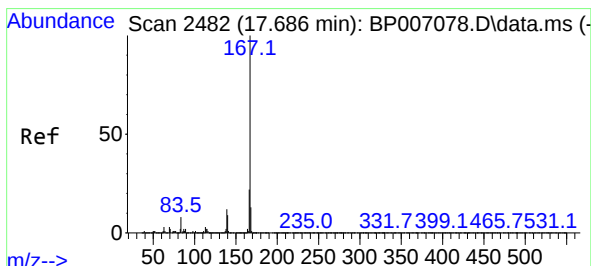
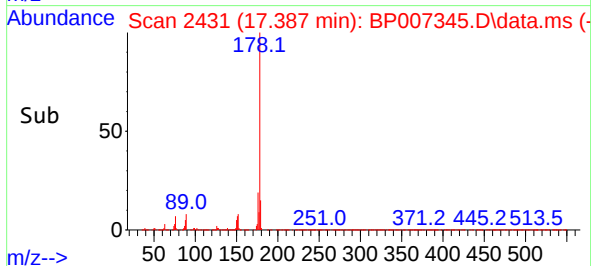
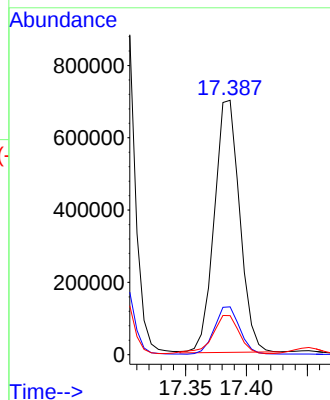
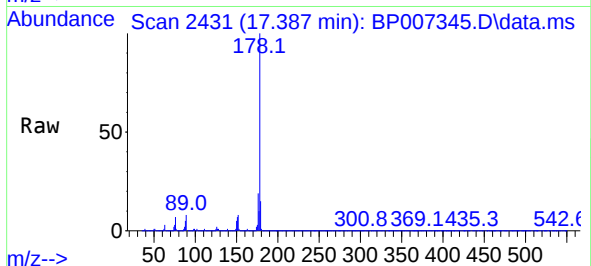
Tgt Ion:178 Resp: 1012875

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.3	12.2	18.2

Instrument :
 BNA_P
 ClientSampleId :
 NB-08-100121DL

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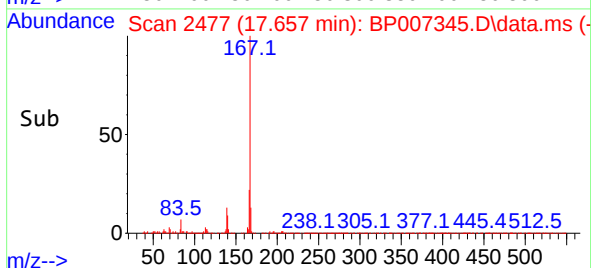
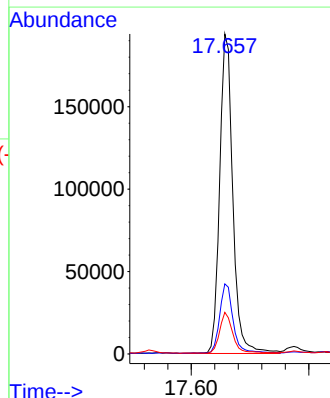
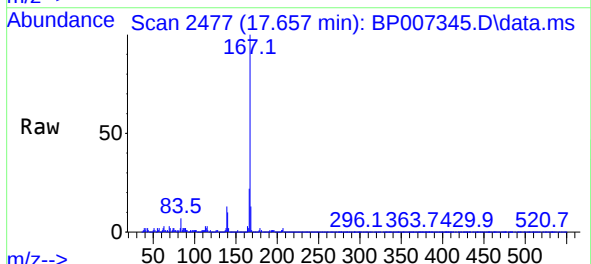
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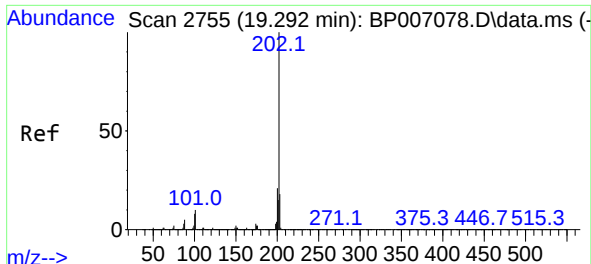


#73
 Carbazole
 Concen: 5.79 ng
 RT: 17.657 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BP007345.D
 Acq: 06 Oct 2021 02:18

Tgt Ion:167 Resp: 300950

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.1	25.7
139	13.0	10.7	16.1



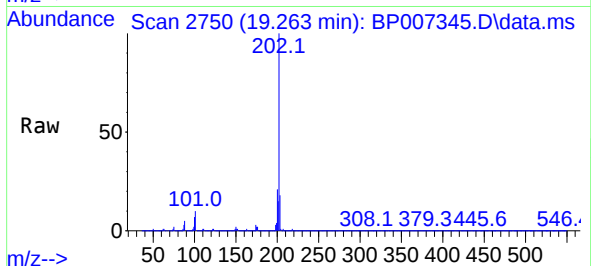


#75
Fluoranthene
Concen: 39.72 ng
RT: 19.263 min Scan# 2750
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

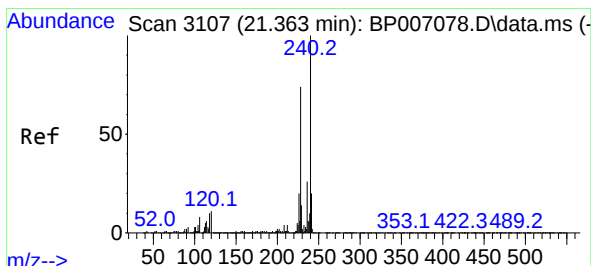
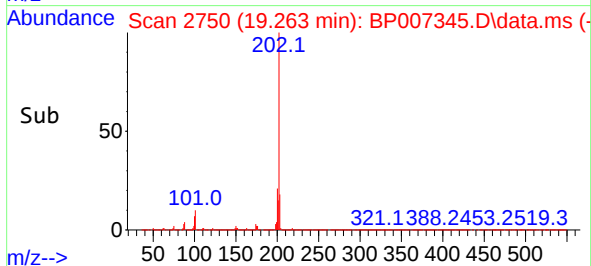
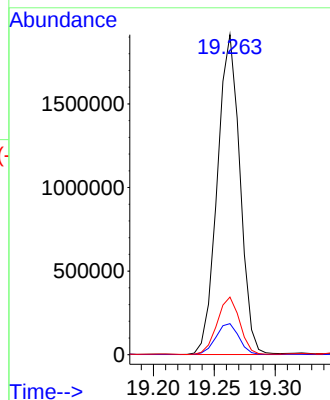
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

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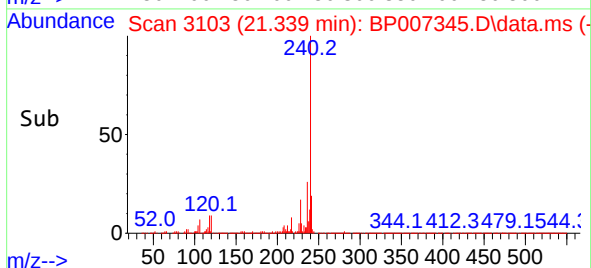
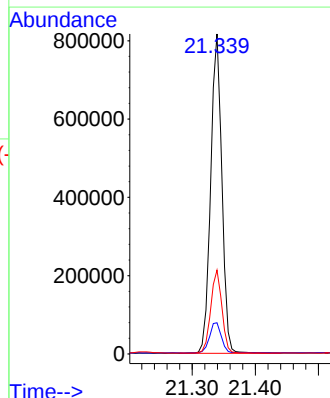
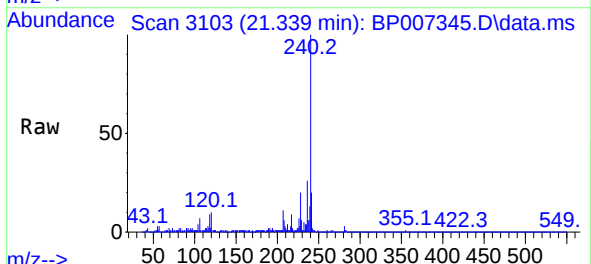


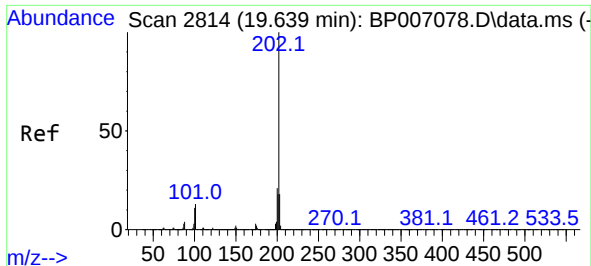
Tgt Ion:202 Resp: 2479679
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.6
203 18.0 0.0 37.8



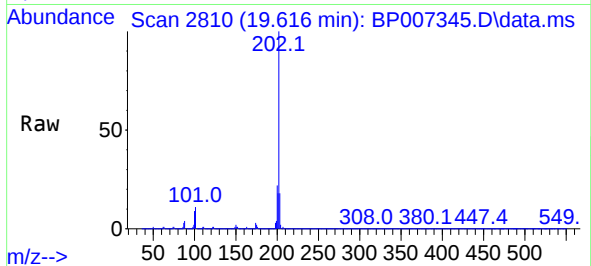
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:240 Resp: 1004792
Ion Ratio Lower Upper
240 100
120 9.8 6.5 9.7#
236 26.2 20.6 31.0

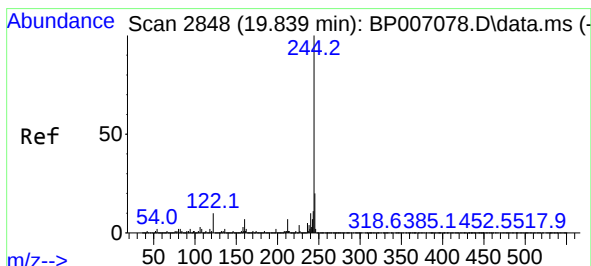
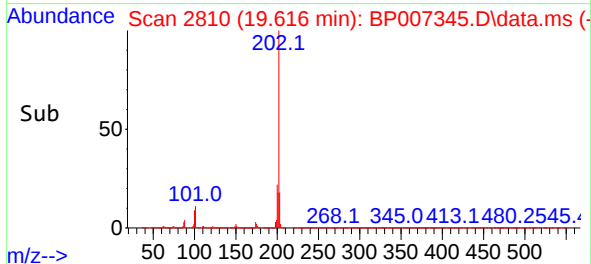
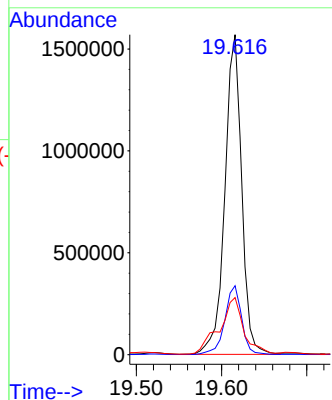




#78
Pyrene
Concen: 32.65 ng
RT: 19.616 min Scan# 2810
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

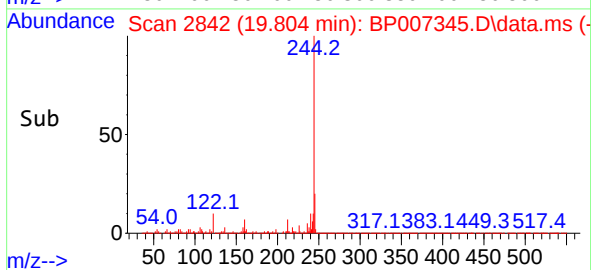
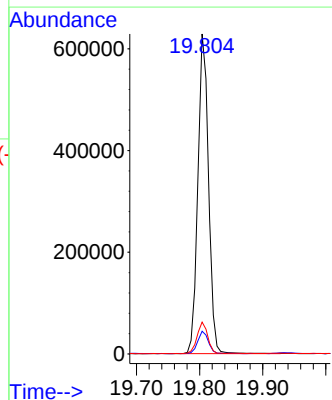
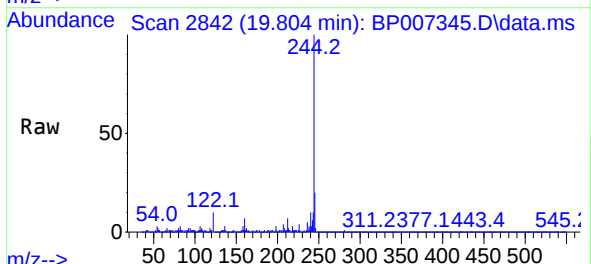


Tgt Ion:202 Resp: 2152316
Ion Ratio Lower Upper
202 100
200 21.5 16.3 24.5
203 17.9 14.2 21.2



#79
Terphenyl-d14
Concen: 14.01 ng
RT: 19.804 min Scan# 2842
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

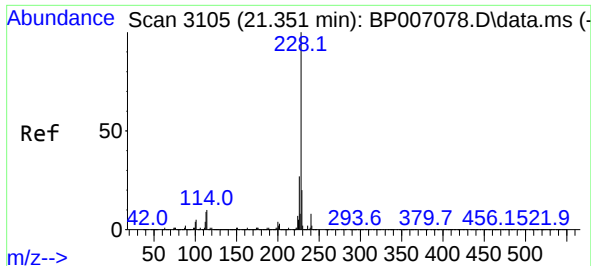
Tgt Ion:244 Resp: 734757
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.9 7.1 10.7



Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

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#81
Benzo(a)anthracene
Concen: 19.10 ng
RT: 21.322 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

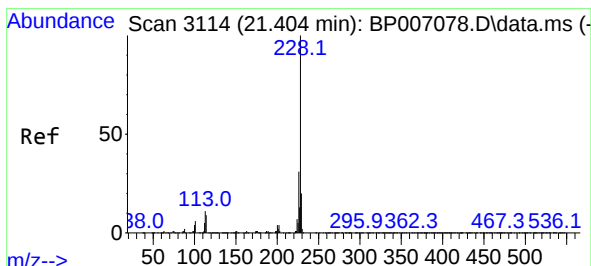
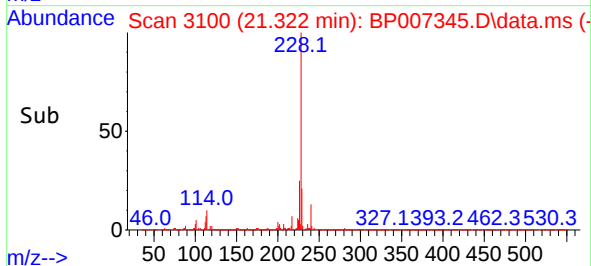
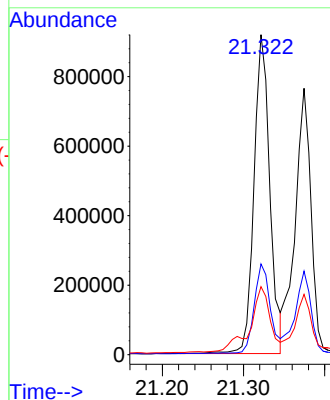
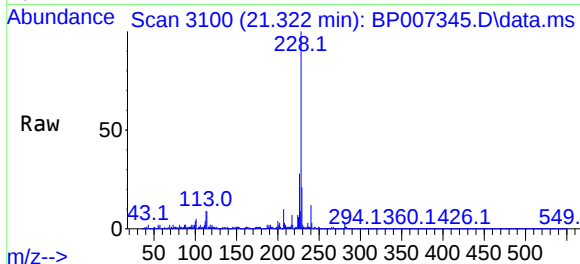
Tgt Ion:228 Resp: 1245461

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.6	32.4
229	21.2	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

Manual Integrations
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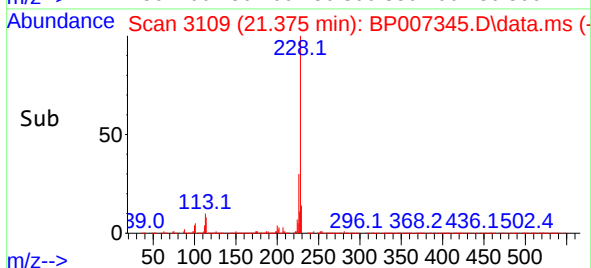
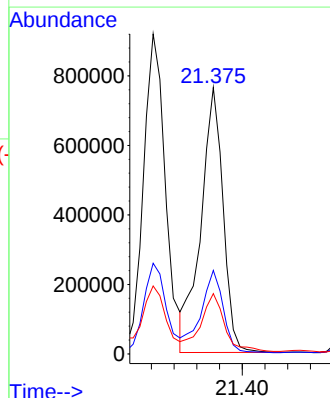
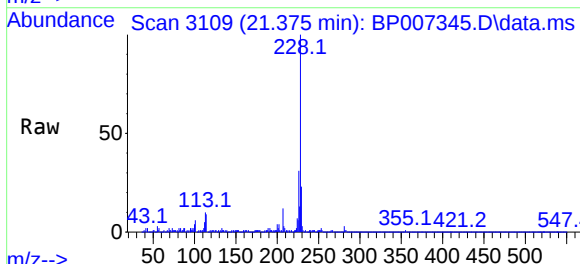
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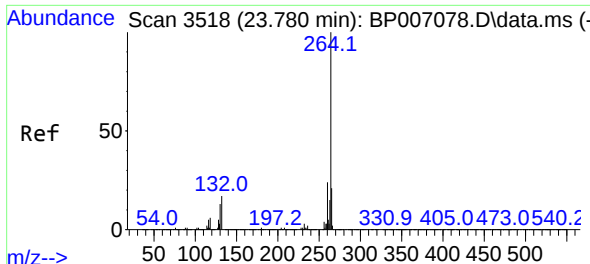


#83
Chrysene
Concen: 16.66 ng
RT: 21.375 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:228 Resp: 1038732

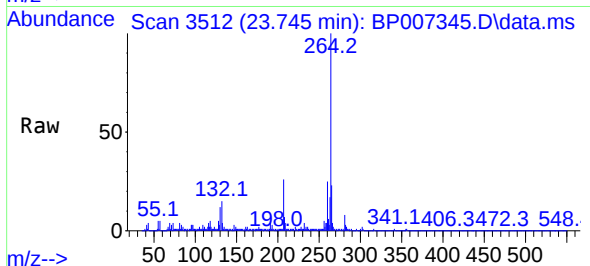
Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.8	35.6
229	22.7	15.4	23.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.745 min Scan# 3512
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

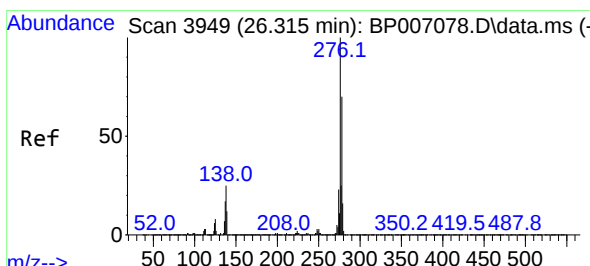
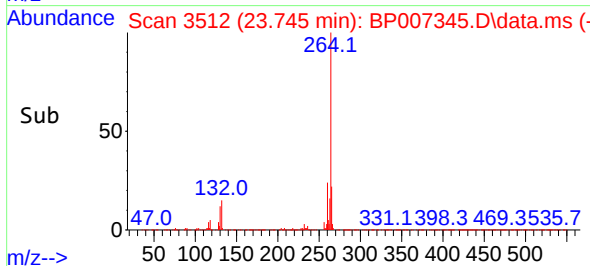
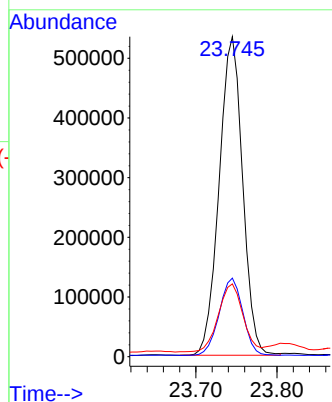


Tgt Ion:264 Resp: 1073445

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	22.8	17.6	26.4

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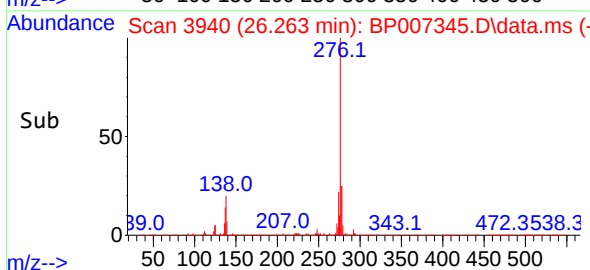
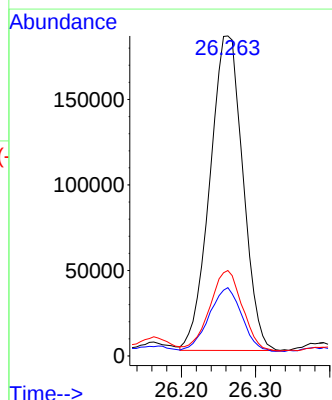
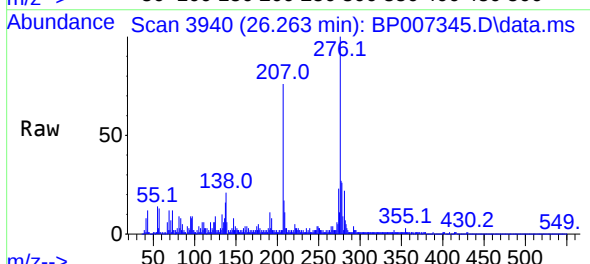
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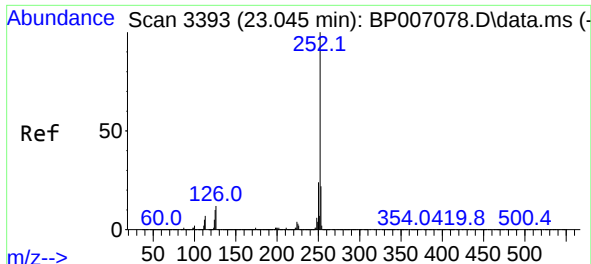


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.38 ng
RT: 26.263 min Scan# 3940
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:276 Resp: 569053

Ion	Ratio	Lower	Upper
276	100		
138	20.2	15.3	22.9
277	25.2	20.4	30.6



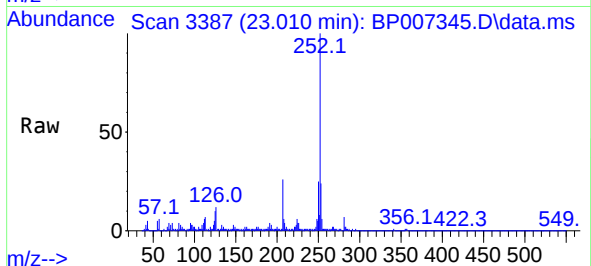


#88
Benzo(b)fluoranthene
Concen: 19.60 ng
RT: 23.010 min Scan# 3387
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

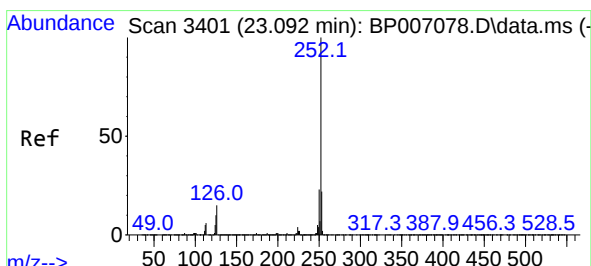
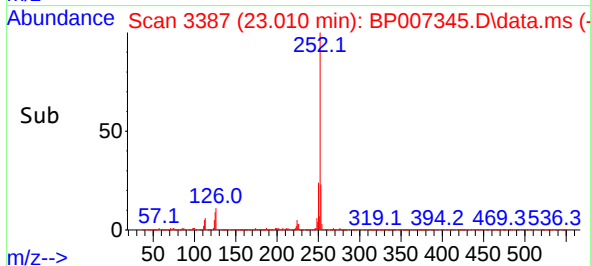
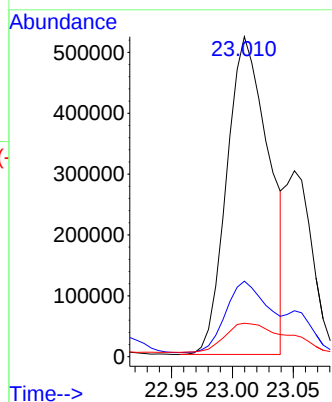
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

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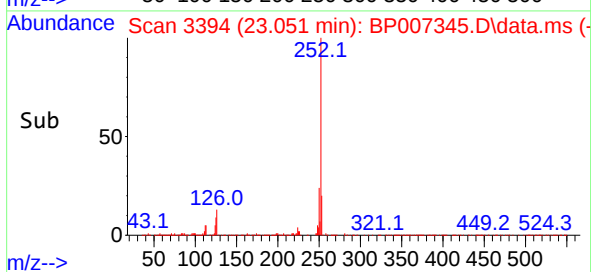
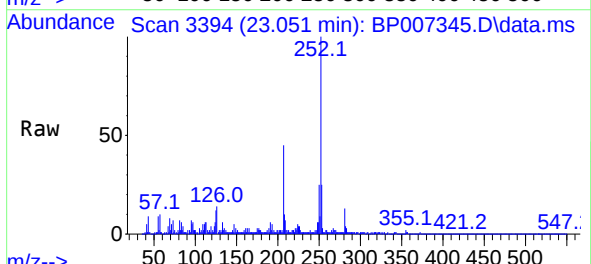
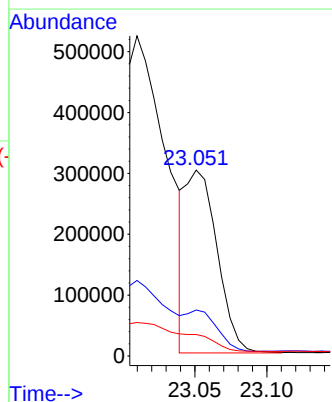


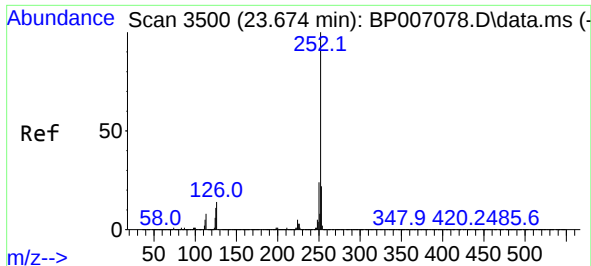
Tgt Ion:252 Resp: 1257116
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 10.5 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 7.03 ng m
RT: 23.051 min Scan# 3394
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

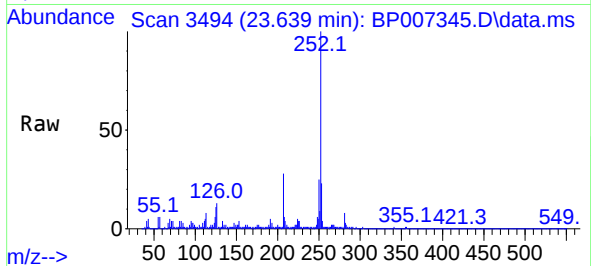
Tgt Ion:252 Resp: 456583
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 11.6 6.0 9.0#





#90
Benzo(a)pyrene
Concen: 18.26 ng
RT: 23.639 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

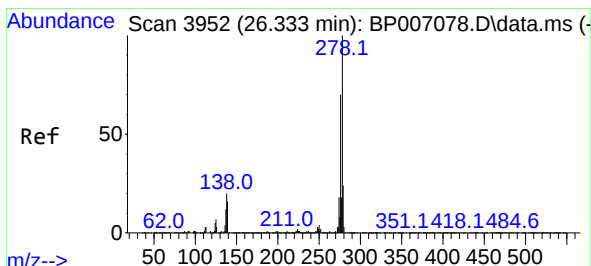
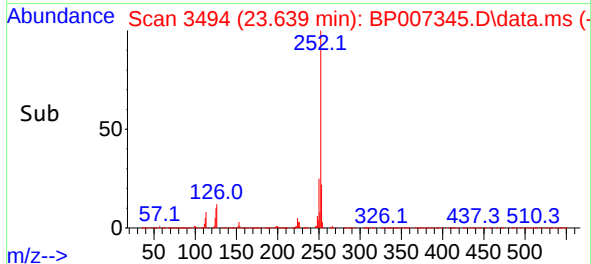
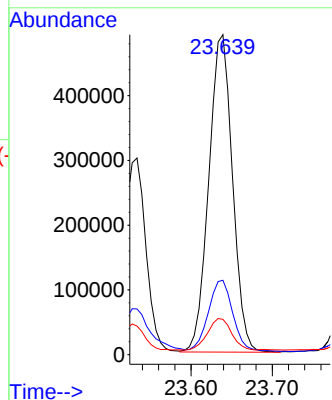
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL



Tgt Ion:252 Resp: 995033
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 11.1 6.5 9.7#

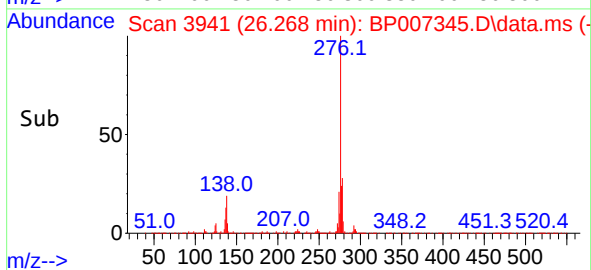
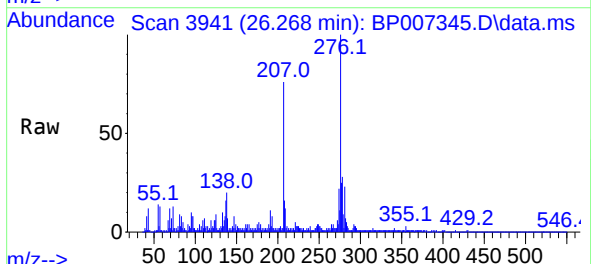
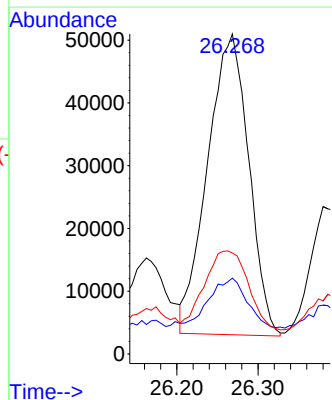
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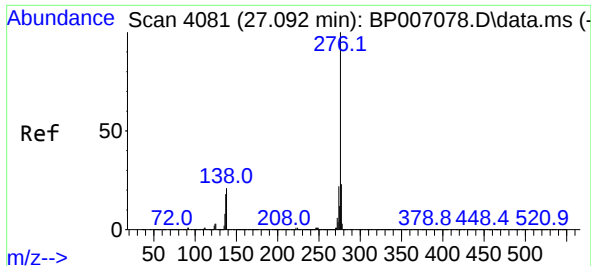
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#91
Dibenzo(a,h)anthracene
Concen: 2.61 ng
RT: 26.268 min Scan# 3941
Delta R.T. -0.011 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

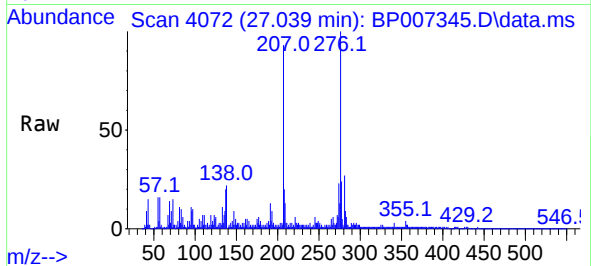
Tgt Ion:278 Resp: 168873
Ion Ratio Lower Upper
278 100
139 27.9 9.3 13.9#
279 31.6 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 8.49 ng
RT: 27.039 min Scan# 4072
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL



Tgt Ion: 276 Resp: 535721
Ion Ratio Lower Upper
276 100
277 24.5 18.9 28.3
138 22.0 12.6 18.8#

Manual Integrations
APPROVED

mohammad
10/8/2021 8:33:12 AM

