

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020222\
 Data File : BP009016.D
 Acq On : 02 Feb 2022 20:31
 Operator : CG/JU
 Sample : N1357-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GROUNDWATER

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2022
 Supervised By : Jagrut Upadhyay 02/04/2022

Quant Time: Feb 03 06:26:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 03 06:20:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	207945	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	749387	20.000	ng	0.00
39) Acenaphthene-d10	14.469	164	456282	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	927819	20.000	ng	0.00
76) Chrysene-d12	21.310	240	1036179	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1150073	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	733007	54.511	ng	0.01
7) Phenol-d6	7.022	99	553143	33.970	ng	0.01
23) Nitrobenzene-d5	8.987	82	1241702	94.071	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	861024	129.640	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	2913748	84.213	ng	0.00
79) Terphenyl-d14	19.780	244	4360182	71.028	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.152	93	969899	47.722	ng	96
10) Phenol	7.046	94	1819208	109.586	ng	96
14) 1,2-Dichlorobenzene	8.175	146	77348	4.693	ng	99
15) Benzyl Alcohol	8.093	79	122608	10.733	ng	94
17) 2-Methylphenol	8.293	107	1074498	96.614	ng	97
20) 3+4-Methylphenols	8.640	107	264341	17.904	ng	# 82
22) Acetophenone	8.657	105	220436	11.547	ng	# 82
27) 2,4-Dimethylphenol	9.904	122	1361034m	113.882	ng	
30) 1,2,4-Trichlorobenzene	10.487	180	30901	2.023	ng	97
31) Naphthalene	10.675	128	2349130	57.715	ng	100
33) 4-Chloroaniline	10.957	127	86247436m	5199.874	ng	
37) 2-Methylnaphthalene	12.304	142	93488	3.142	ng	# 80
38) 1-Methylnaphthalene	12.528	142	186200	6.818	ng	# 97
46) 1,1'-Biphenyl	13.304	154	91867	2.475	ng	97
60) Diethylphthalate	15.298	149	547932	17.041	ng	96
66) n-Nitrosodiphenylamine	15.728	169	130273	4.363	ng	99
72) Anthracene	17.357	178	125028	2.386	ng	97
74) Di-n-butylphthalate	18.180	149	140756	2.596	ng	# 98
80) Butylbenzylphthalate	20.457	149	1116616	38.401	ng	98
84) Bis(2-ethylhexyl)phtha...	21.221	149	123683	2.747	ng	95

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

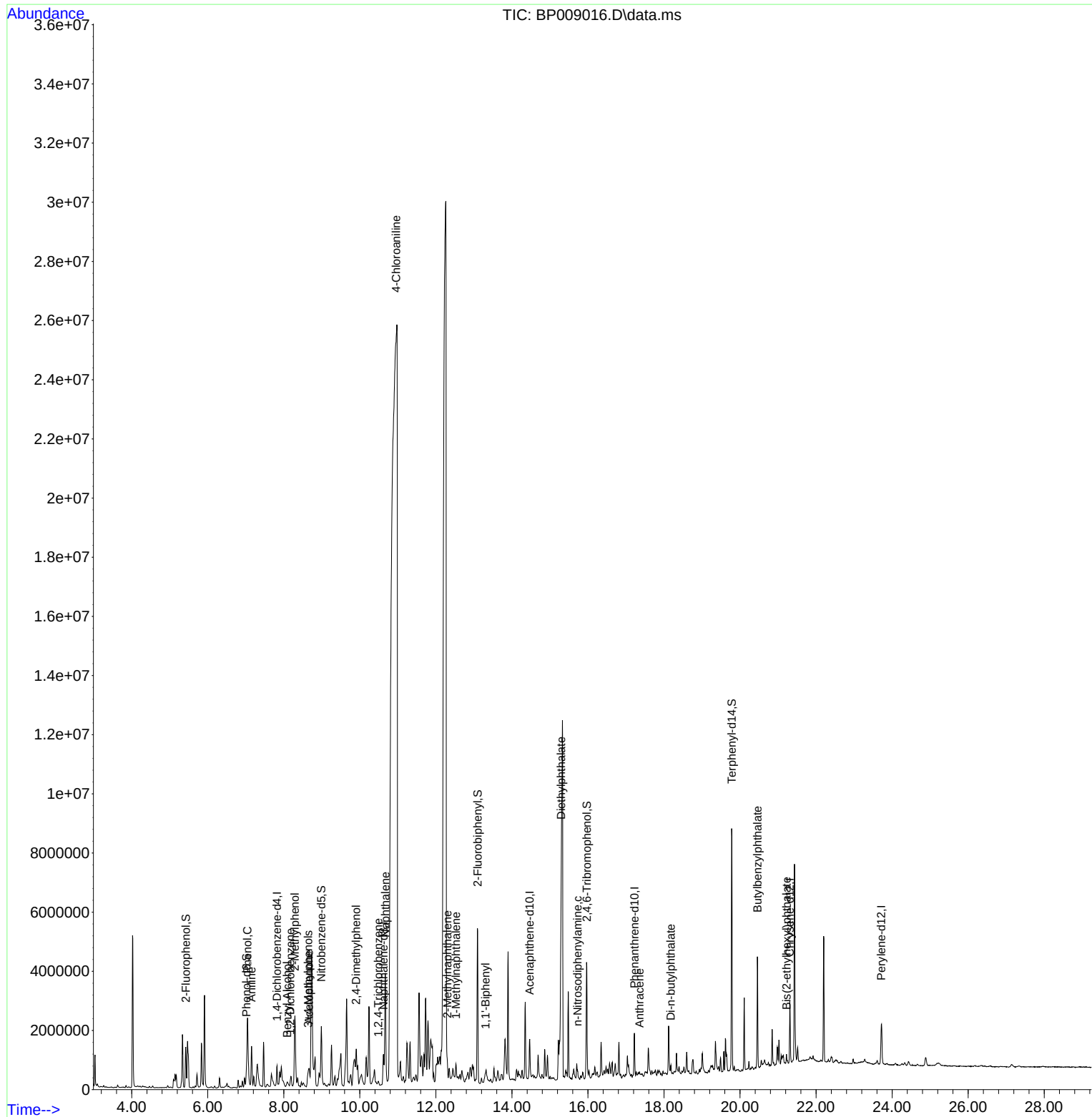
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020222\
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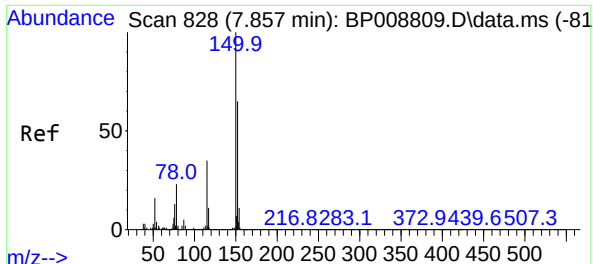
Instrument :
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GROUNDWATER

Quant Time: Feb 03 06:26:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 03 06:20:22 2022
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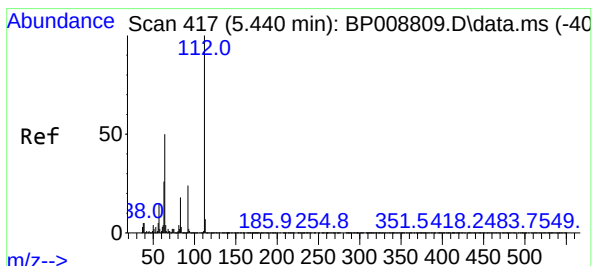
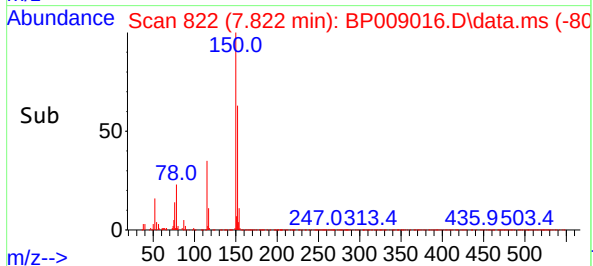
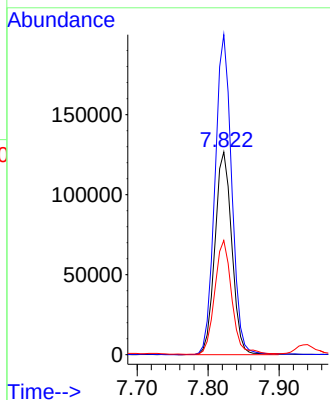
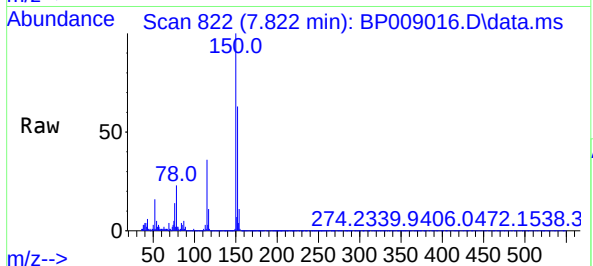
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Instrument :
BNA_P
ClientSampleId :
GROUNDWATER

Tgt Ion:152 Resp: 207945
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.6
115 56.4 43.7 65.5

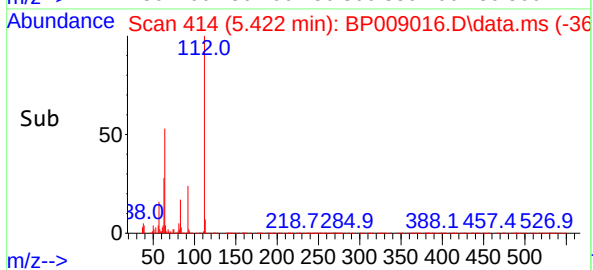
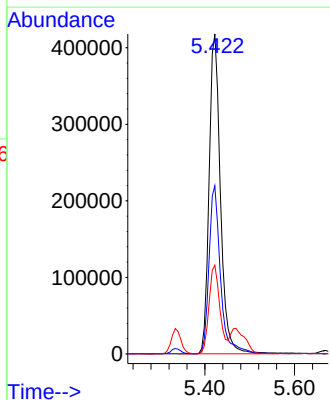
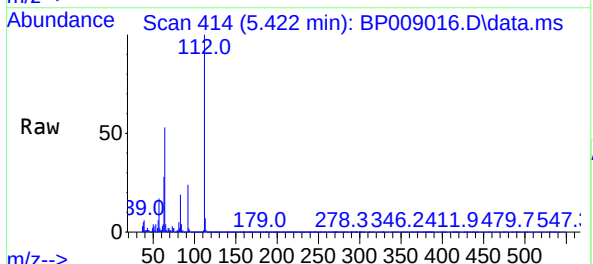
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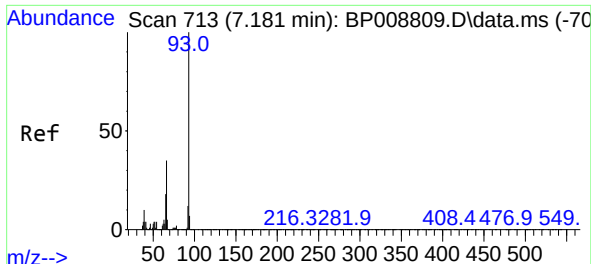
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#5
2-Fluorophenol
Concen: 54.511 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.012 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

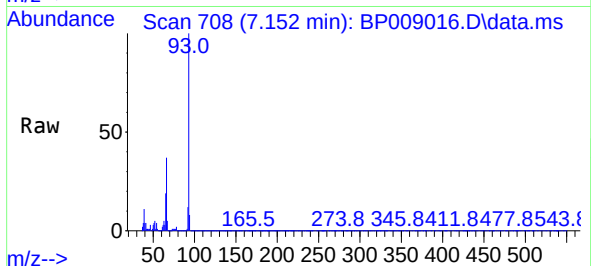
Tgt Ion:112 Resp: 733007
Ion Ratio Lower Upper
112 100
64 52.6 39.7 59.5
63 27.8 20.0 30.0





#6
Aniline
Concen: 47.722 ng
RT: 7.152 min Scan# 70
Delta R.T. -0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

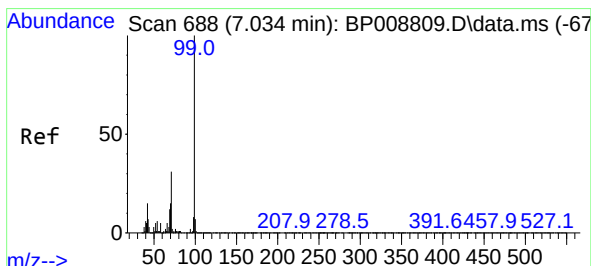
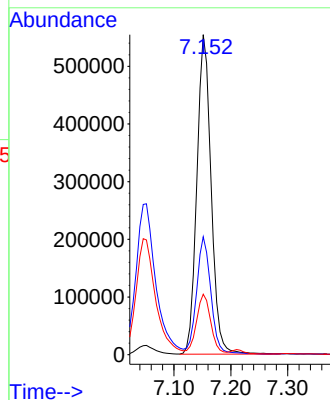
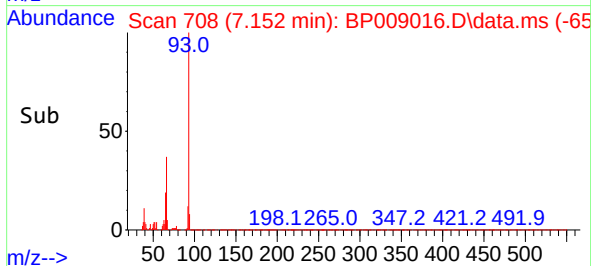
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



Tgt Ion: 93 Resp: 96989
Ion Ratio Lower Upper
93 100
66 36.8 27.8 41.6
65 18.9 14.0 21.0

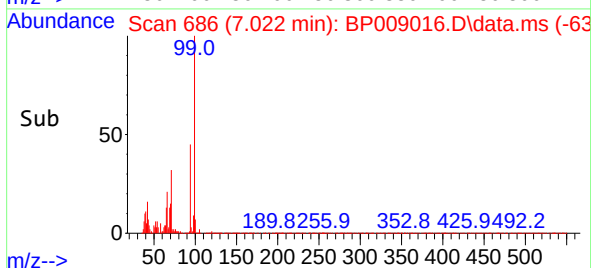
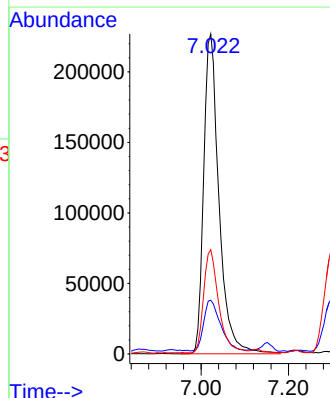
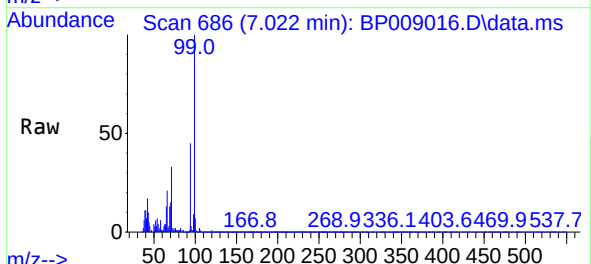
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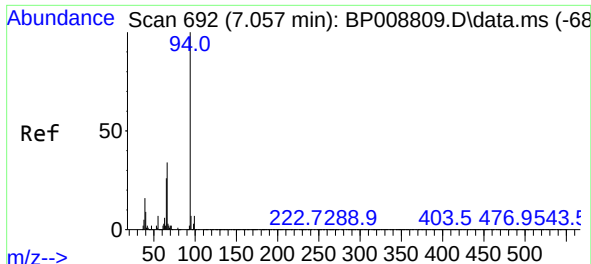
Reviewed By :Christian Giraldo 02/03/2022
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#7
Phenol-d6
Concen: 33.970 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.012 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

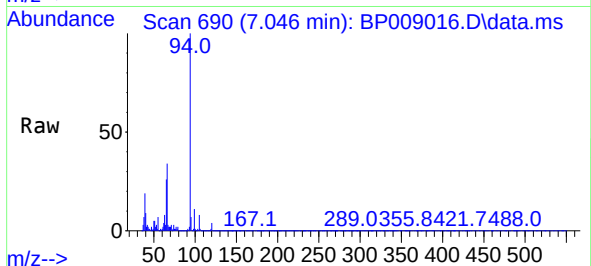
Tgt Ion: 99 Resp: 553143
Ion Ratio Lower Upper
99 100
42 16.8 10.8 16.2#
71 32.6 23.8 35.6





#10
Phenol
Concen: 109.586 ng
RT: 7.046 min Scan# 692
Delta R.T. 0.012 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

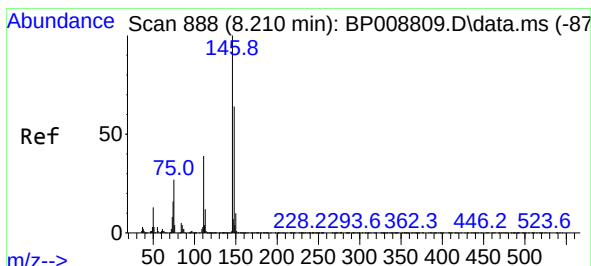
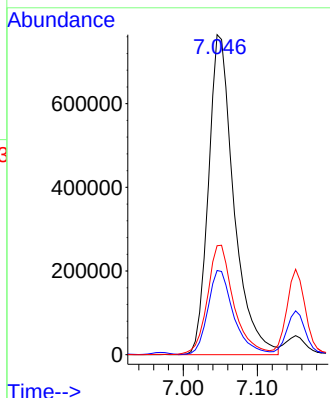
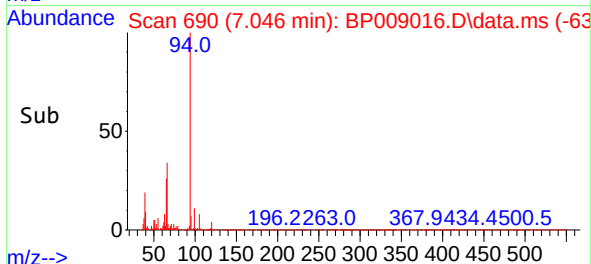
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



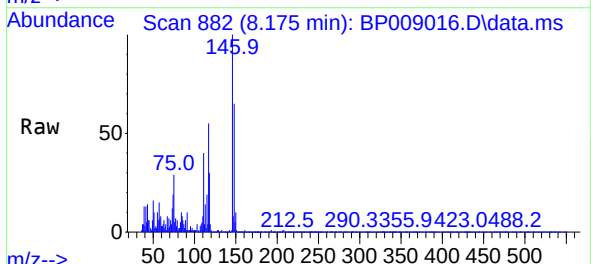
Tgt Ion: 94 Resp: 1819208
Ion Ratio Lower Upper
94 100
65 26.3 4.1 44.1
66 34.0 12.4 52.4

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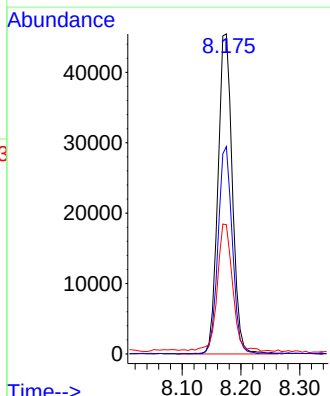
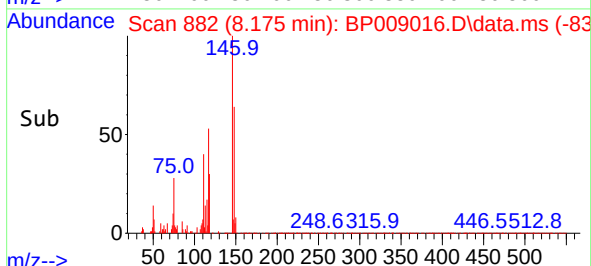
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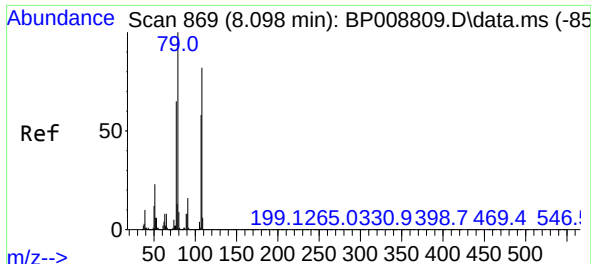


#14
1,2-Dichlorobenzene
Concen: 4.693 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31



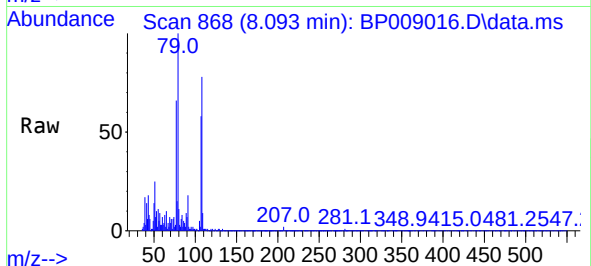
Tgt Ion:146 Resp: 77348
Ion Ratio Lower Upper
146 100
148 64.8 52.2 78.2
111 40.4 31.1 46.7





#15
Benzyl Alcohol
Concen: 10.733 ng
RT: 8.093 min Scan# 80
Delta R.T. 0.018 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

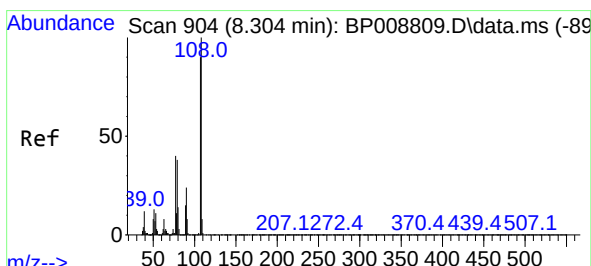
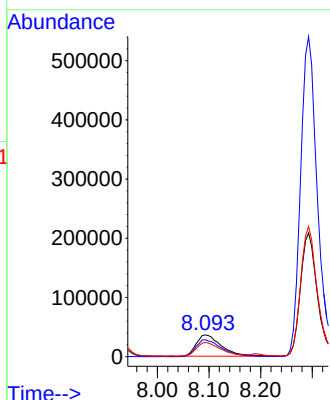
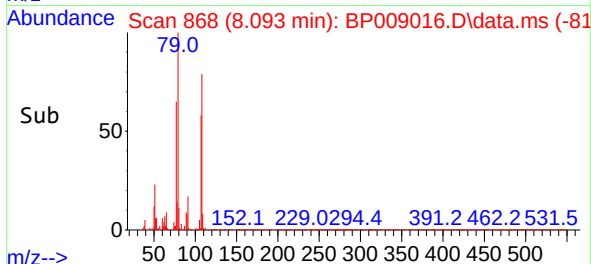
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



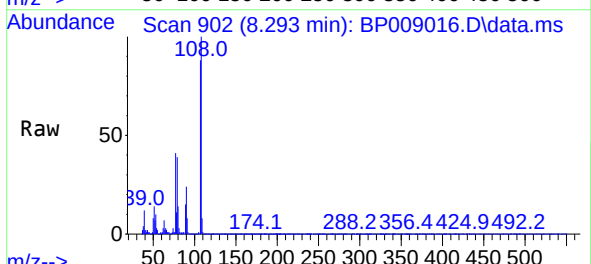
Tgt Ion: 79 Resp: 122608
Ion Ratio Lower Upper
79 100
108 77.9 67.8 101.8
77 65.9 50.7 76.1

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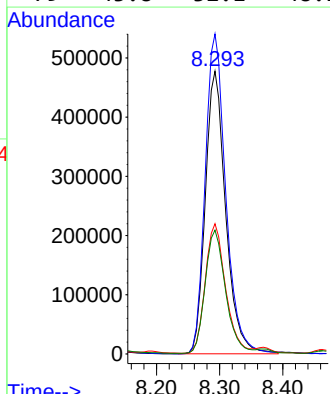
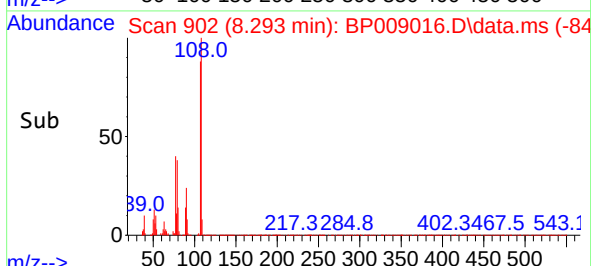
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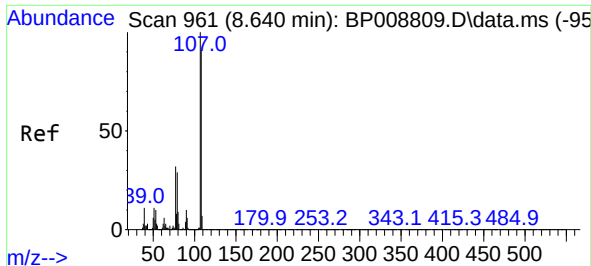


#17
2-Methylphenol
Concen: 96.614 ng
RT: 8.293 min Scan# 902
Delta R.T. 0.012 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31



Tgt Ion:107 Resp: 1074498
Ion Ratio Lower Upper
107 100
108 113.2 90.0 135.0
77 46.1 32.7 49.1
79 43.8 32.1 48.1





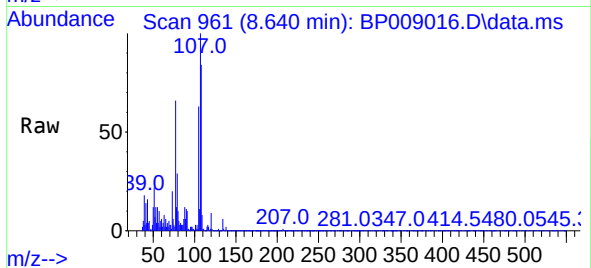
#20
3+4-Methylphenols
Concen: 17.904 ng
RT: 8.640 min Scan# 90
Delta R.T. 0.024 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Instrument :

BNA_P

ClientSampleId :

GROUNDWATER

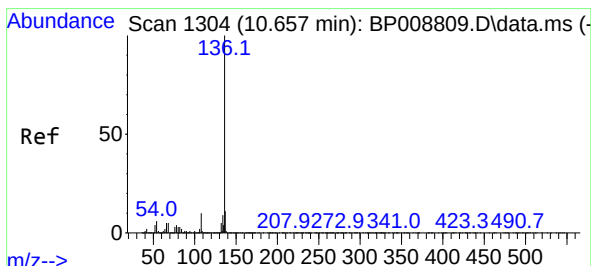
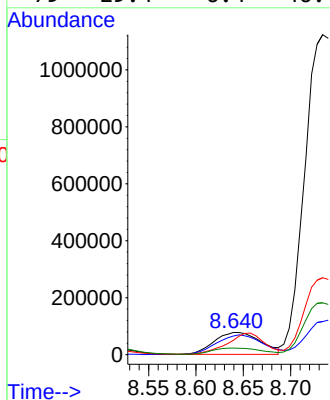
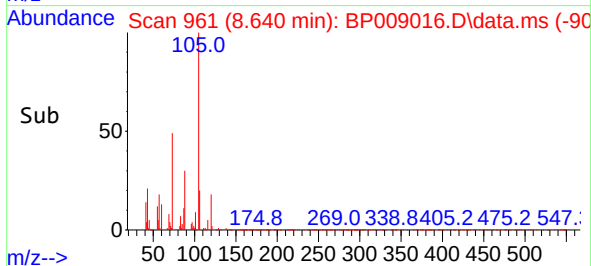


Tgt Ion:107 Resp: 26434
Ion Ratio Lower Upper
107 100
108 84.3 69.8 109.8
77 65.8 10.4 50.4
79 29.4 6.4 46.4

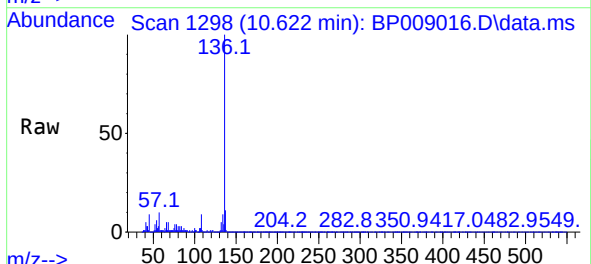
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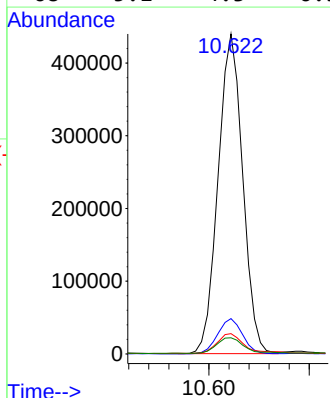
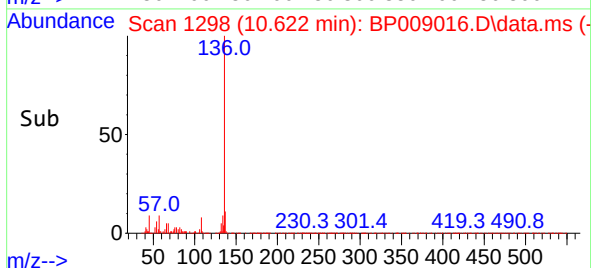
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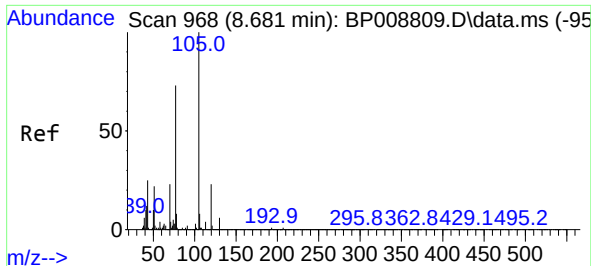


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31



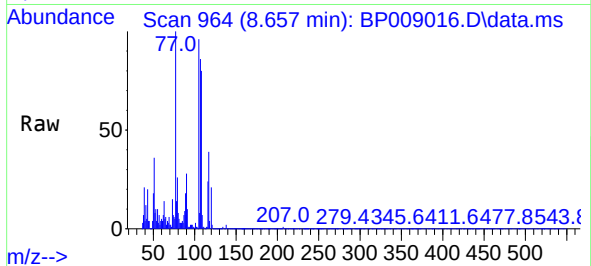
Tgt Ion:136 Resp: 749387
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.3 4.9 7.3
68 5.1 4.3 6.5





#22
Acetophenone
Concen: 11.547 ng
RT: 8.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

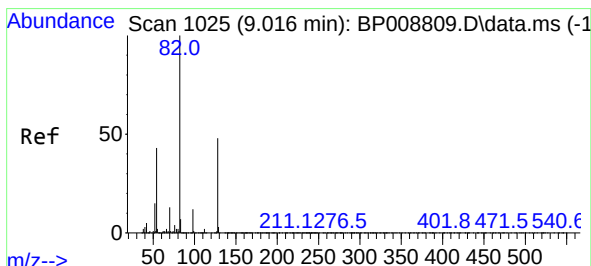
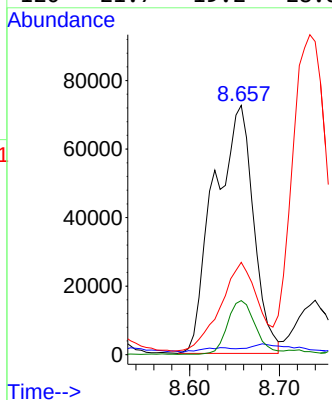
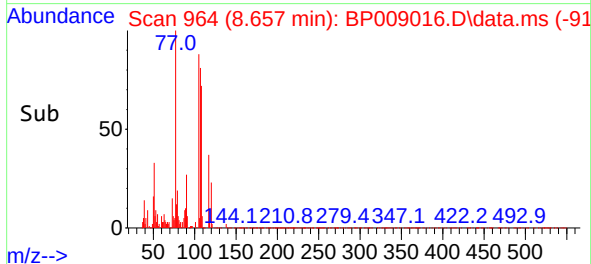
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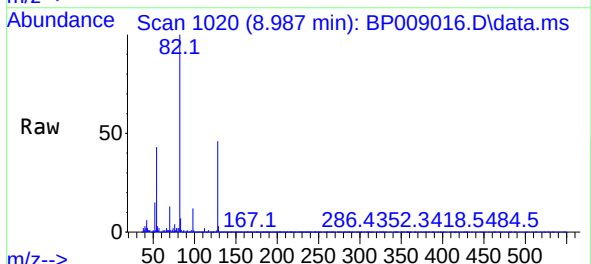
Tgt Ion: 105 Resp: 220430
Ion Ratio Lower Upper
105 100
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51 37.0 16.3 24.5
120 21.7 19.2 28.8

Manual Integrations
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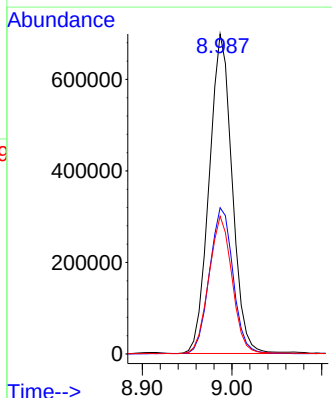
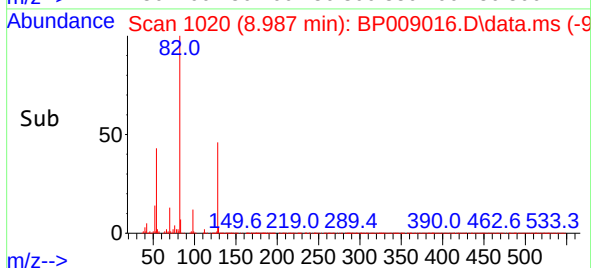
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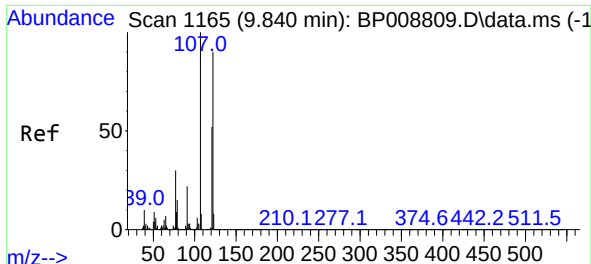


#23
Nitrobenzene-d5
Concen: 94.071 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31



Tgt Ion: 82 Resp: 1241702
Ion Ratio Lower Upper
82 100
128 45.7 39.4 59.2
54 43.0 32.6 48.8





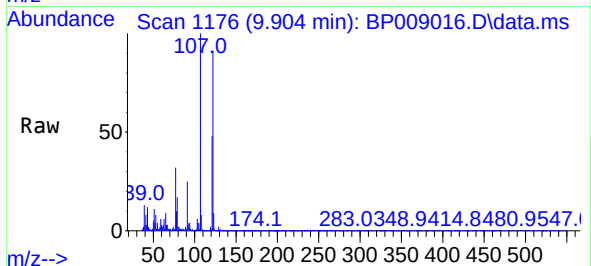
#27
2,4-Dimethylphenol
Concen: 113.882 ng m
RT: 9.904 min Scan# 1165
Delta R.T. 0.094 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Instrument :

BNA_P

ClientSampleId :

GROUNDWATER

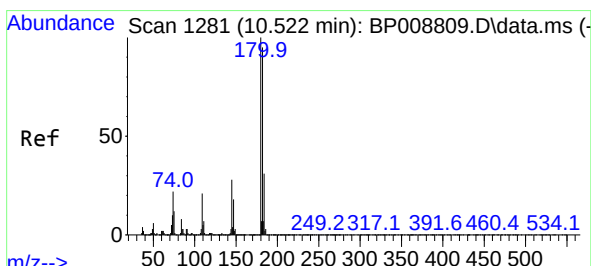
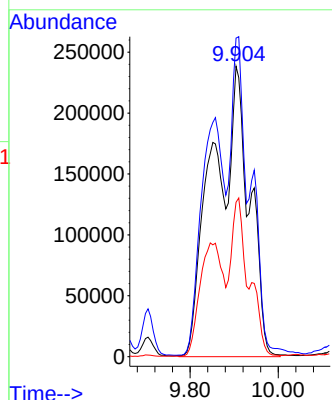
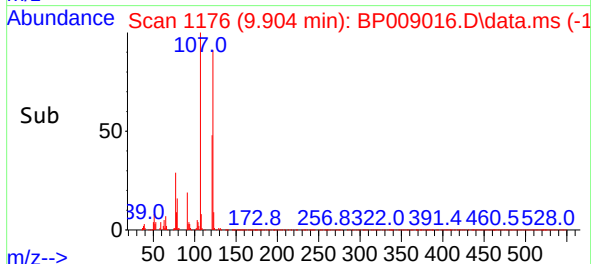


Tgt Ion:122 Resp: 1361034
Ion Ratio Lower Upper
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107 109.7 89.6 134.4
121 53.2 47.8 71.8

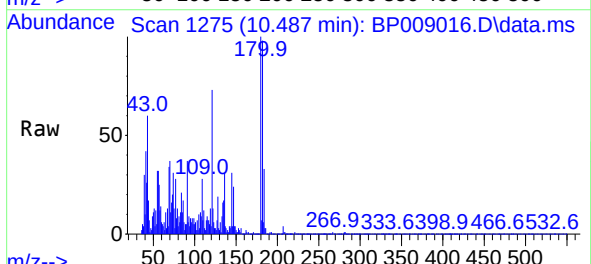
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APPROVED

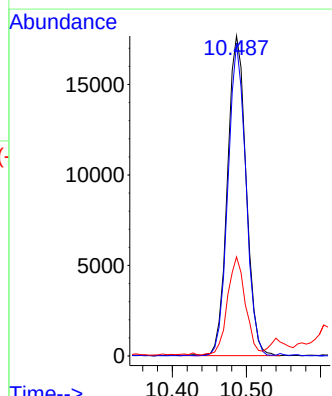
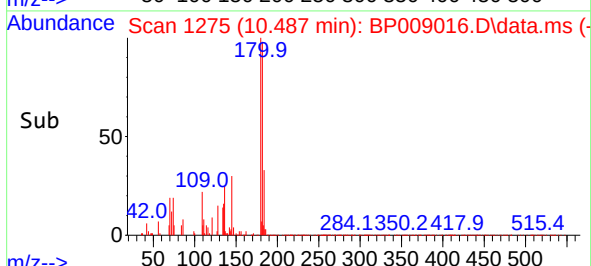
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

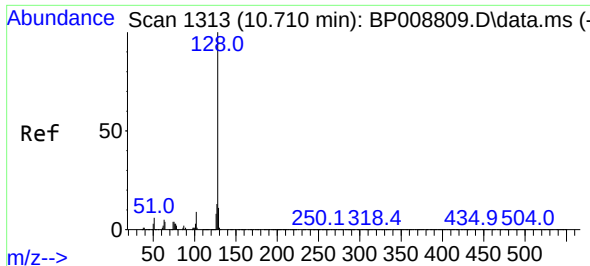


#30
1,2,4-Trichlorobenzene
Concen: 2.023 ng
RT: 10.487 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31



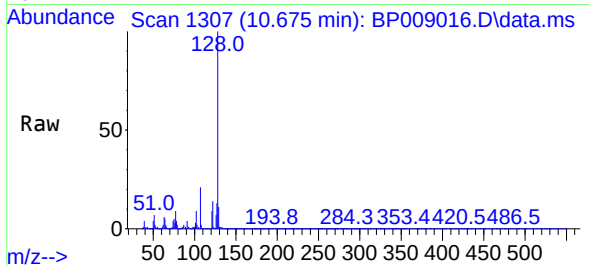
Tgt Ion:180 Resp: 30901
Ion Ratio Lower Upper
180 100
182 97.6 76.7 115.1
145 30.9 22.4 33.6





#31
Naphthalene
Concen: 57.715 ng
RT: 10.675 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

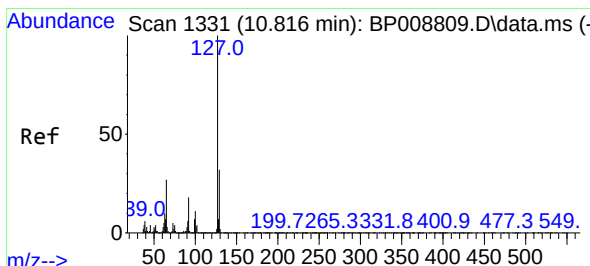
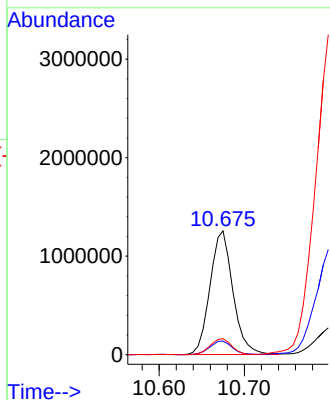
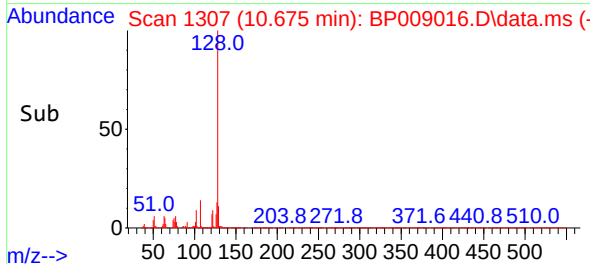
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



Tgt Ion:128 Resp: 2349130
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.4 15.6

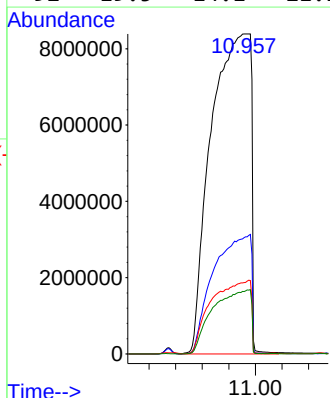
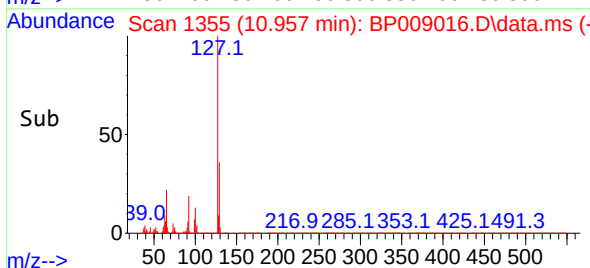
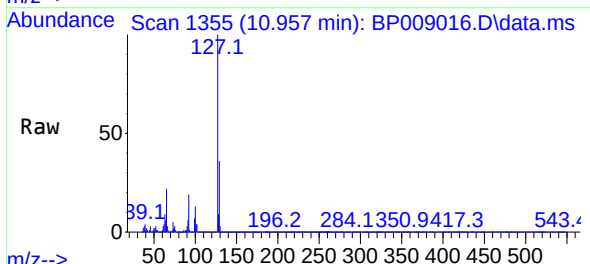
Manual Integrations
APPROVED

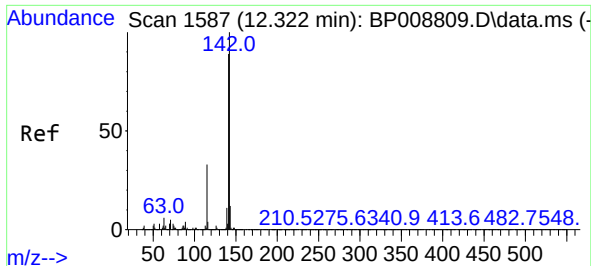
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#33
4-Chloroaniline
Concen: 5199.874 ng m
RT: 10.957 min Scan# 1355
Delta R.T. 0.165 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

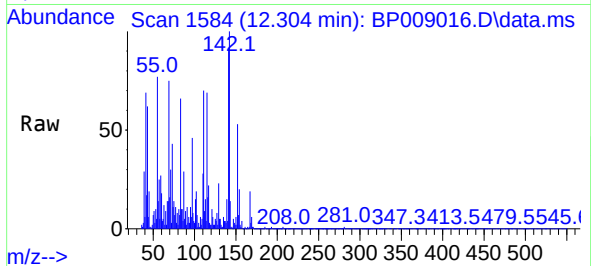
Tgt Ion:127 Resp:86247436
Ion Ratio Lower Upper
127 100
129 36.4 26.0 39.0
65 22.3 20.5 30.7
92 19.5 14.1 21.1





#37
2-Methylnaphthalene
Concen: 3.142 ng
RT: 12.304 min Scan# 1584
Delta R.T. 0.018 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

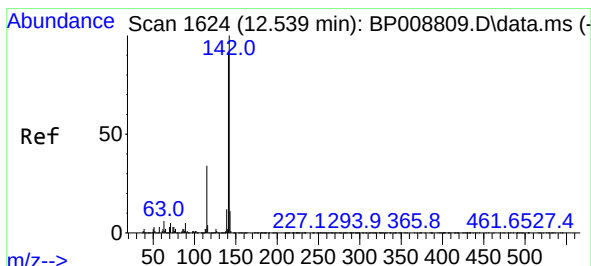
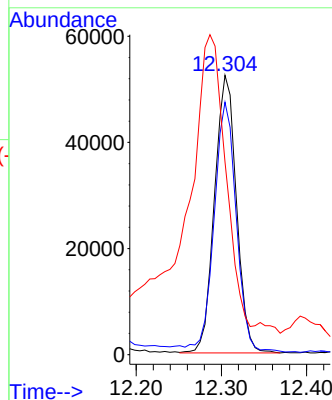
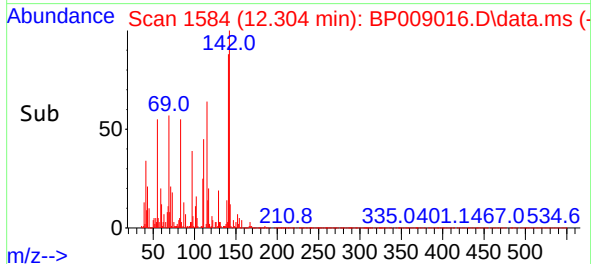
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



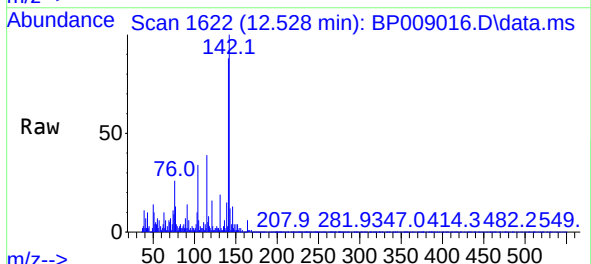
Tgt Ion:142 Resp: 9348
Ion Ratio Lower Upper
142 100
141 90.4 70.5 105.7
115 69.0 24.6 36.8

Manual Integrations
APPROVED

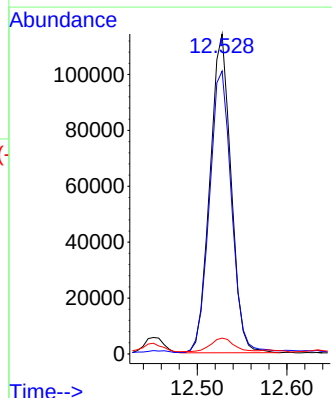
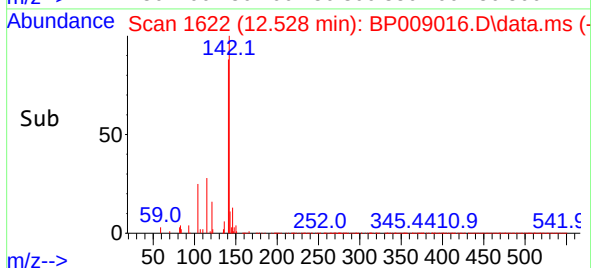
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

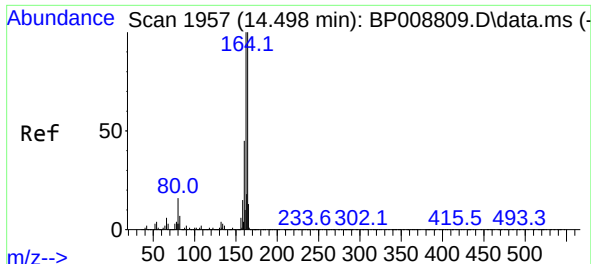


#38
1-Methylnaphthalene
Concen: 6.818 ng
RT: 12.528 min Scan# 1622
Delta R.T. 0.018 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31



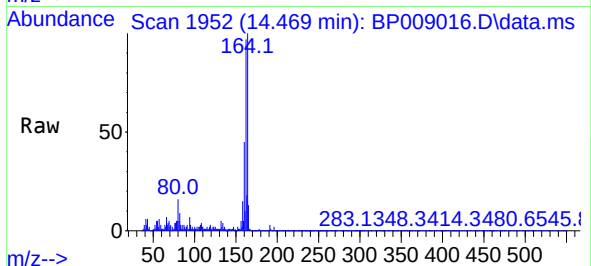
Tgt Ion:142 Resp: 186200
Ion Ratio Lower Upper
142 100
141 88.4 73.2 109.8
116 4.9 2.7 4.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1957
Delta R.T. 0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

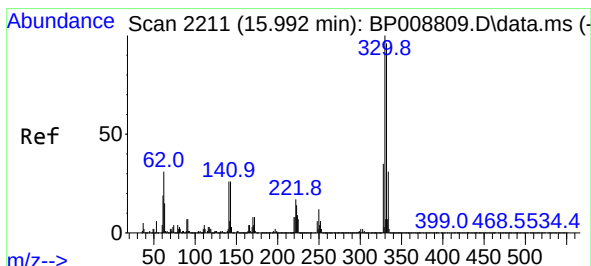
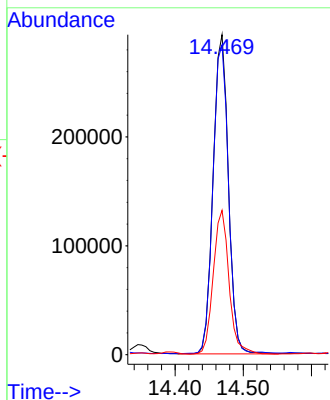
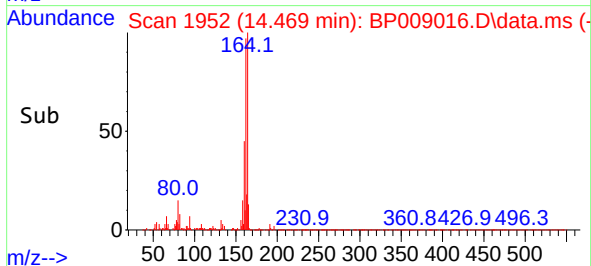
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



Tgt Ion:164 Resp: 45628
Ion Ratio Lower Upper
164 100
162 96.8 79.9 119.9
160 45.1 35.5 53.3

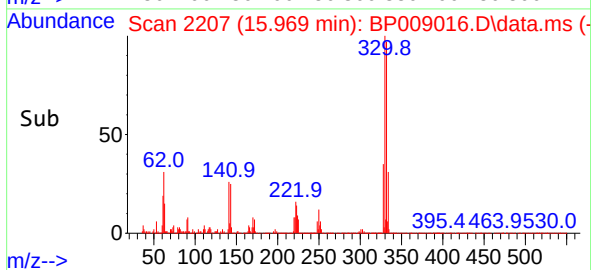
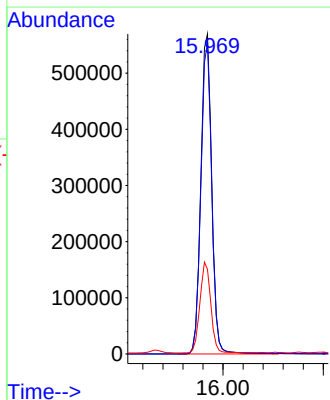
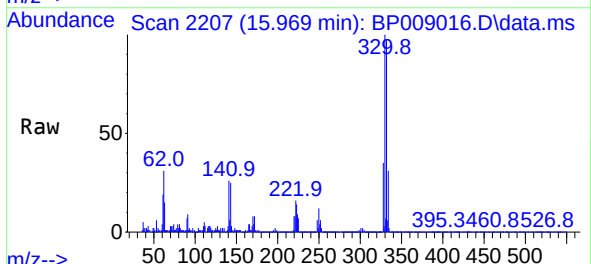
Manual Integrations
APPROVED

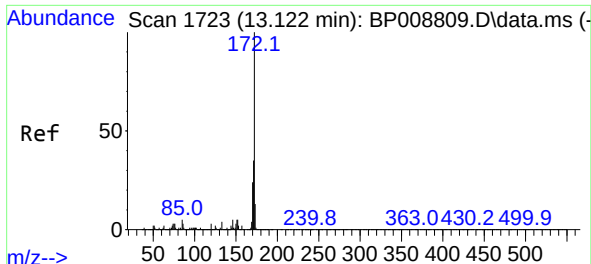
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#42
2,4,6-Tribromophenol
Concen: 129.640 ng
RT: 15.969 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

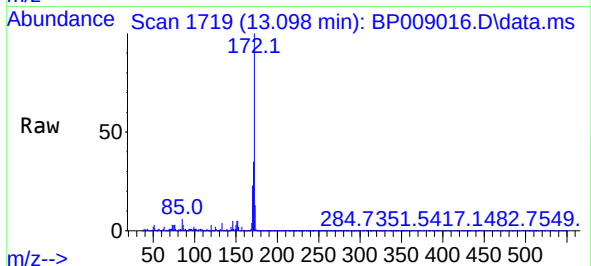
Tgt Ion:330 Resp: 861024
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 28.3 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 84.213 ng
RT: 13.098 min Scan# 1719
Delta R.T. 0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

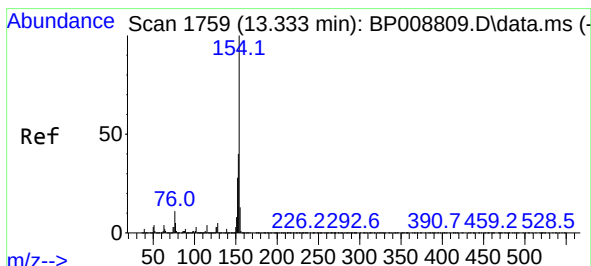
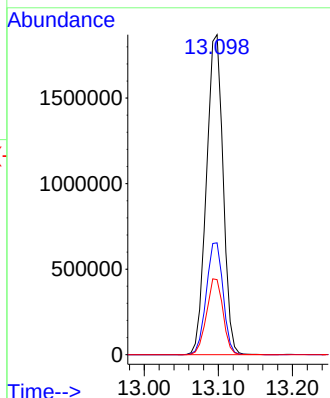
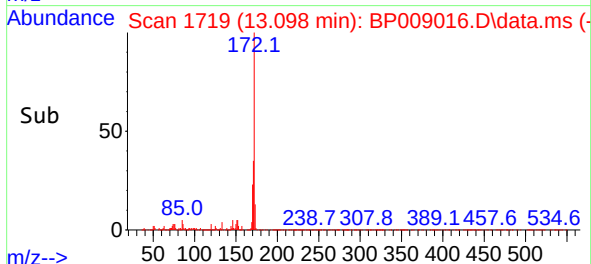
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



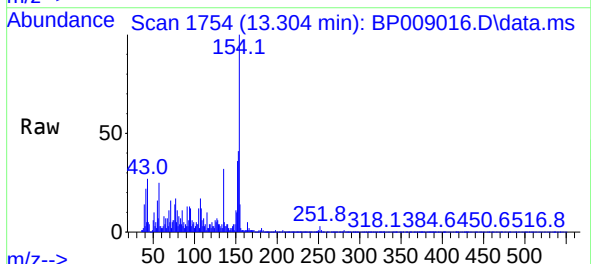
Tgt Ion:172 Resp: 2913748
Ion Ratio Lower Upper
172 100
171 34.9 29.3 43.9
170 23.5 19.5 29.3

Manual Integrations
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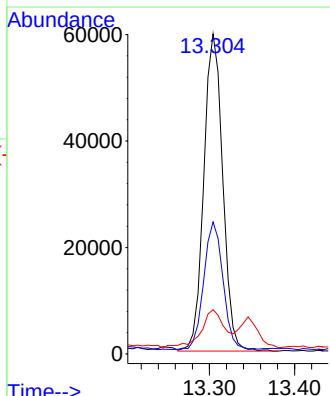
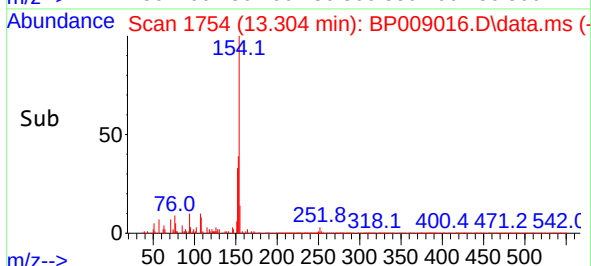
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

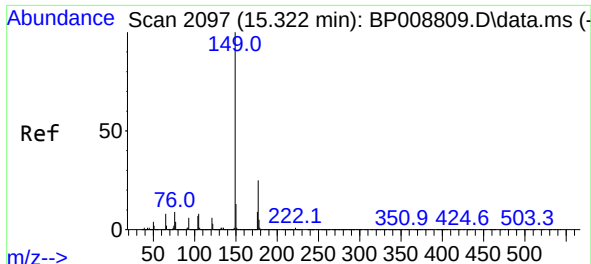


#46
1,1'-Biphenyl
Concen: 2.475 ng
RT: 13.304 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31



Tgt Ion:154 Resp: 91867
Ion Ratio Lower Upper
154 100
153 41.3 20.3 60.3
76 13.8 0.0 31.1





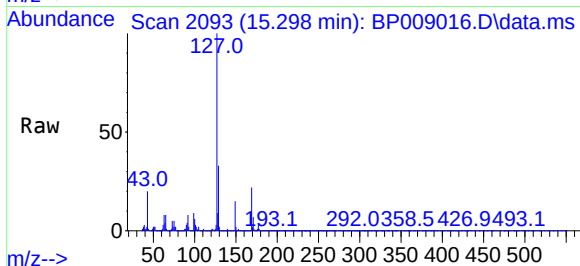
#60
Diethylphthalate
Concen: 17.041 ng
RT: 15.298 min Scan# 2097
Delta R.T. 0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Instrument :

BNA_P

ClientSampleId :

GROUNDWATER

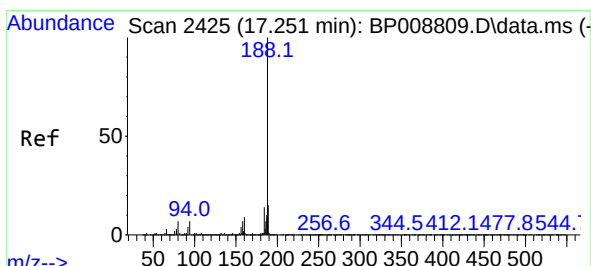
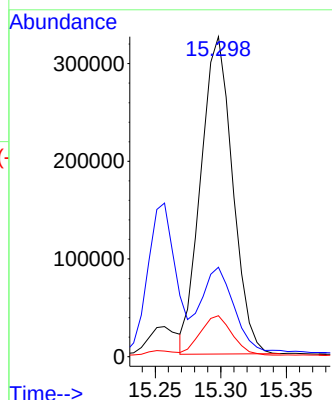
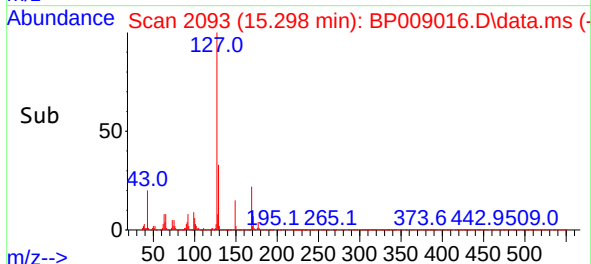


Tgt Ion:149 Resp: 54793
Ion Ratio Lower Upper
149 100
177 27.9 19.9 29.9
150 12.8 10.3 15.5

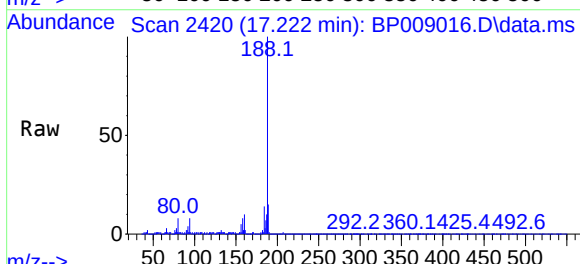
Manual Integrations

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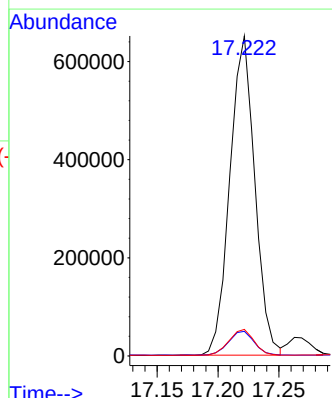
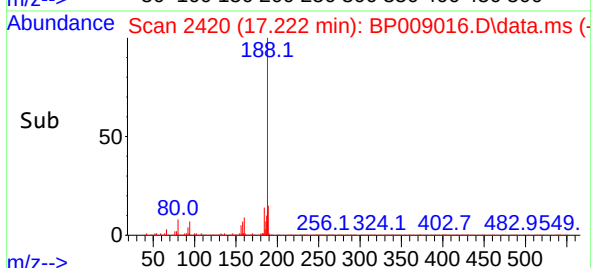
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

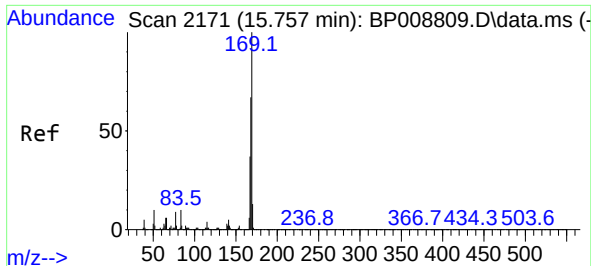


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31



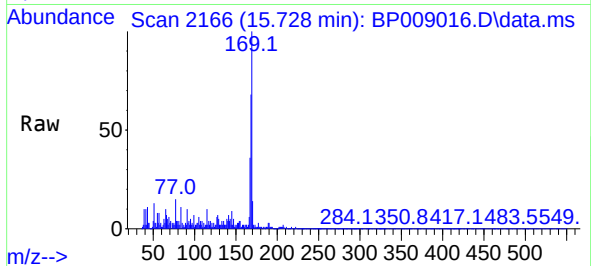
Tgt Ion:188 Resp: 927819
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.3 7.2 10.8





#66
n-Nitrosodiphenylamine
Concen: 4.363 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

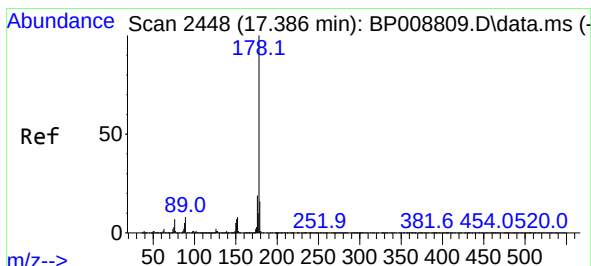
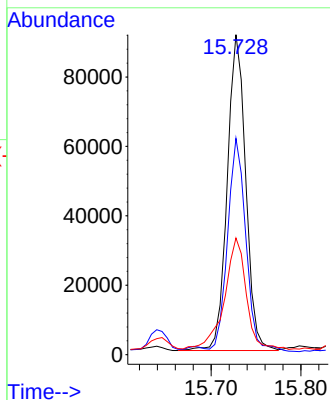
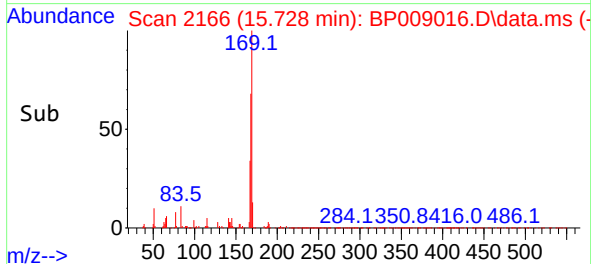
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



Tgt Ion:169 Resp: 13027
Ion Ratio Lower Upper
169 100
168 67.6 53.3 79.9
167 36.4 29.0 43.6

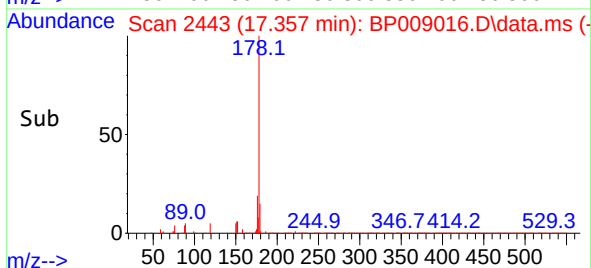
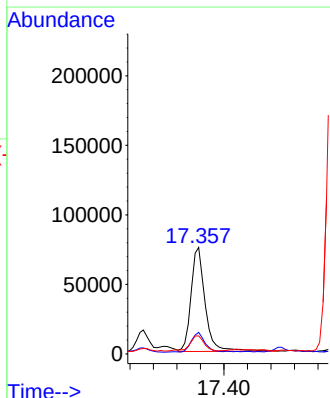
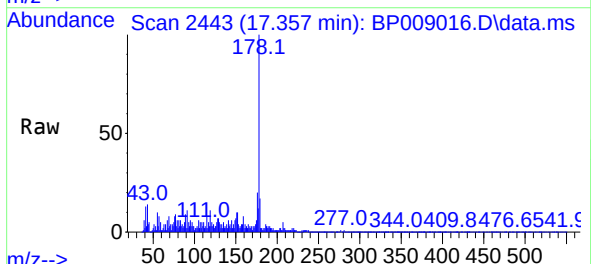
Manual Integrations
APPROVED

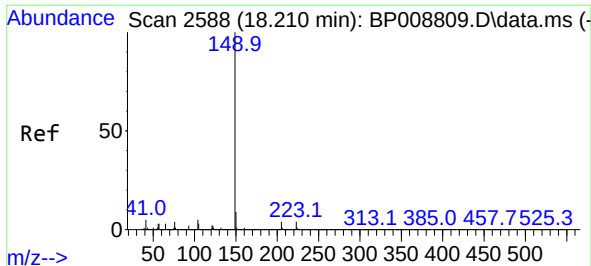
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#72
Anthracene
Concen: 2.386 ng
RT: 17.357 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

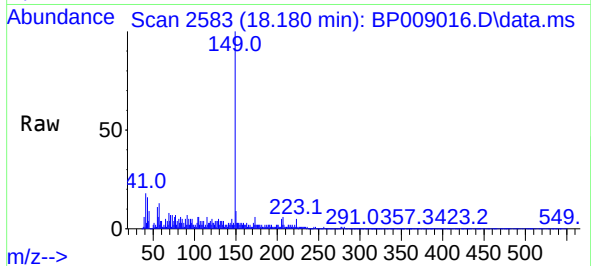
Tgt Ion:178 Resp: 125028
Ion Ratio Lower Upper
178 100
176 20.2 15.1 22.7
179 17.0 12.8 19.2





#74
Di-n-butylphthalate
Concen: 2.596 ng
RT: 18.180 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

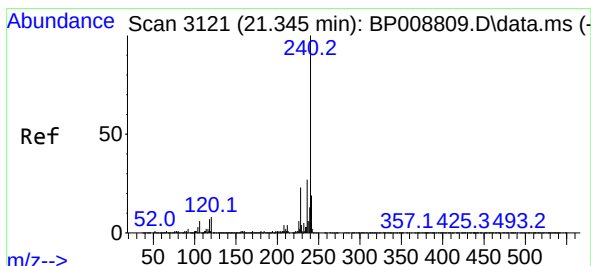
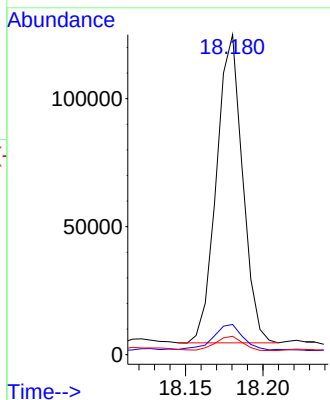
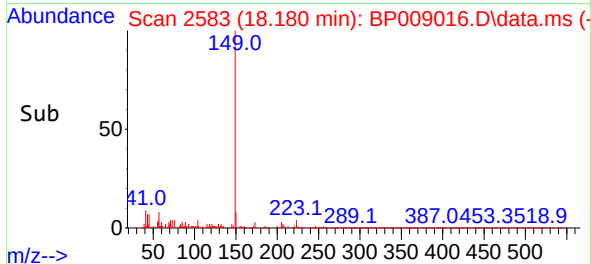
Instrument :
BNA_P
ClientSampleId :
GROUNDWATER



Tgt Ion:149 Resp: 140750
Ion Ratio Lower Upper
149 100
150 9.5 7.9 11.9
104 5.8 3.7 5.5

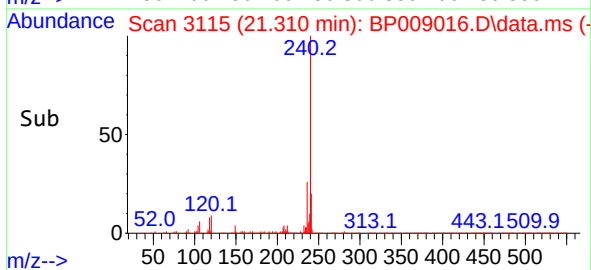
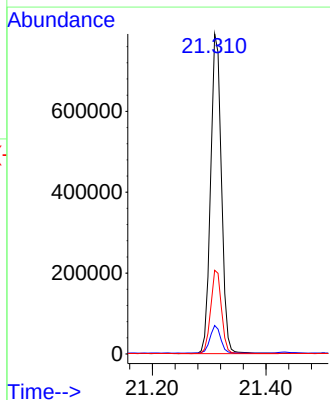
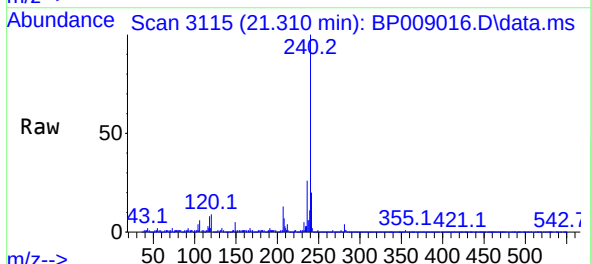
Manual Integrations
APPROVED

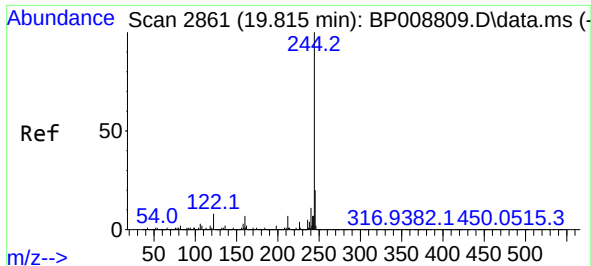
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Tgt Ion:240 Resp: 1036179
Ion Ratio Lower Upper
240 100
120 8.9 7.7 11.5
236 26.2 21.2 31.8





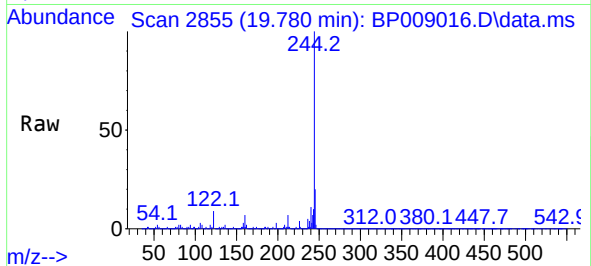
#79
Terphenyl-d14
Concen: 71.028 ng
RT: 19.780 min Scan# 2861
Delta R.T. -0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Instrument :

BNA_P

ClientSampleId :

GROUNDWATER



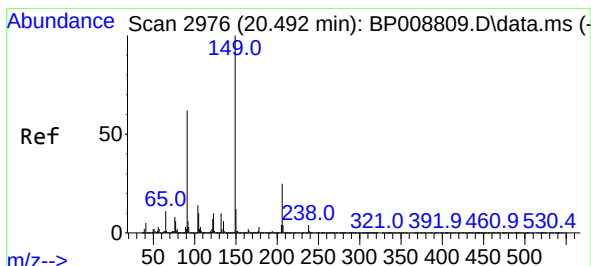
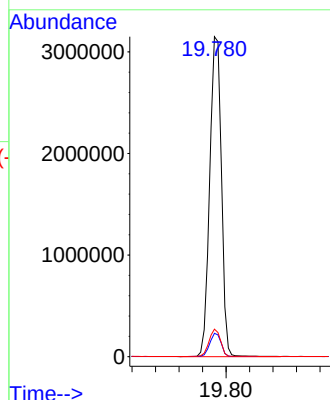
Tgt Ion:244 Resp: 436018

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.5	9.7
122	8.6	9.2	13.8

Manual Integrations

APPROVED

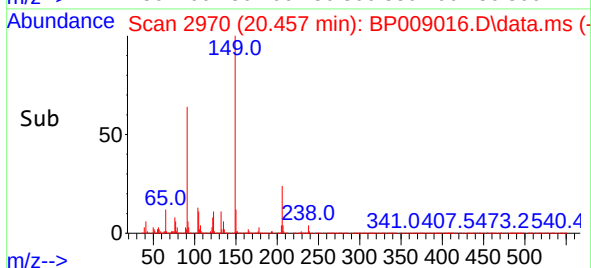
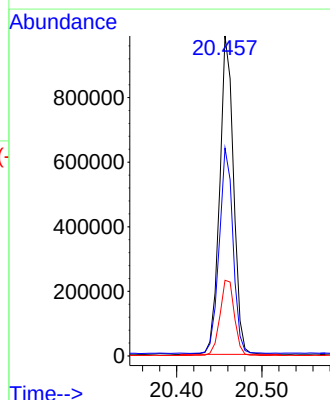
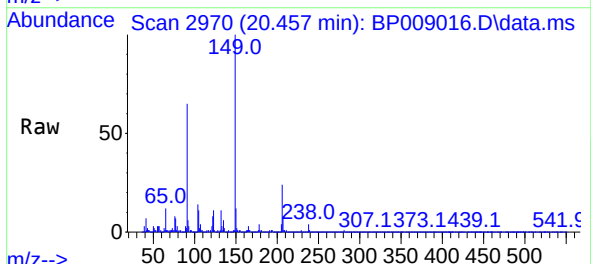
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

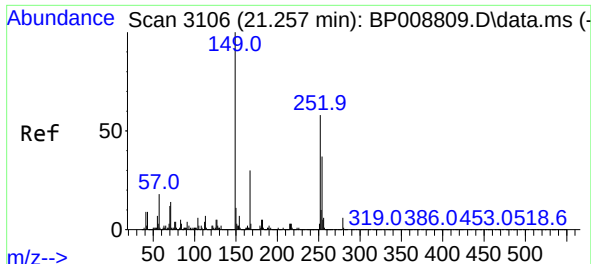


#80
Butylbenzylphthalate
Concen: 38.401 ng
RT: 20.457 min Scan# 2970
Delta R.T. -0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Tgt Ion:149 Resp: 1116616

Ion	Ratio	Lower	Upper
149	100		
91	64.9	50.6	76.0
206	23.6	19.7	29.5





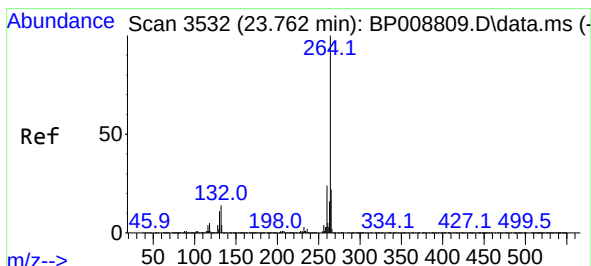
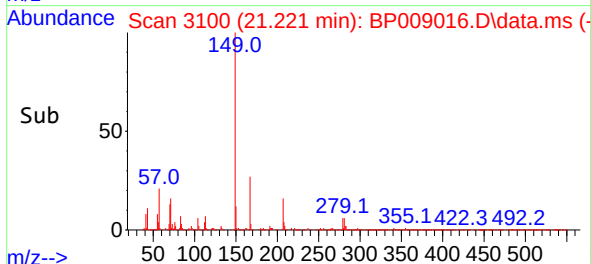
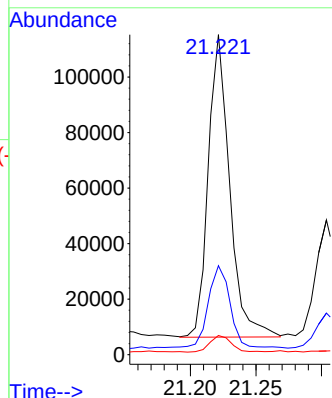
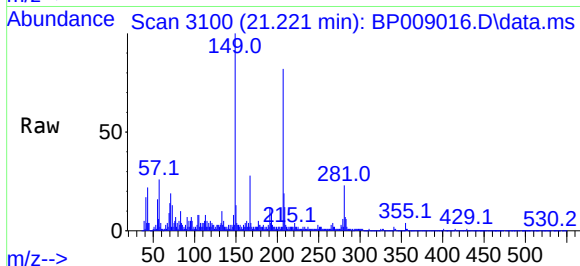
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.747 ng
RT: 21.221 min Scan# 3106
Delta R.T. 0.000 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Instrument :
BNA_P
ClientSampleId :
GROUNDWATER

Tgt Ion:149 Resp: 12368
Ion Ratio Lower Upper
149 100
167 27.8 25.0 37.4
279 6.0 4.8 7.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3524
Delta R.T. -0.006 min
Lab File: BP009016.D
Acq: 02 Feb 2022 20:31

Tgt Ion:264 Resp: 1150073
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 22.1 17.1 25.7

