

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061423\
 Data File : BP015550.D
 Acq On : 15 Jun 2023 11:56
 Operator : MA/JU
 Sample : 03088-08
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFR4

Quant Time: Jun 15 12:49:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 15 05:36:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	1126	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.922	136	6425	20.000	ng/ul	# 0.01
38) Acenaphthene-d10	14.740	164	4475	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.492	188	11255	20.000	ng/ul	0.00
79) Chrysene-d12	21.574	240	12965	20.000	ng/ul	# 0.00
88) Perylene-d12	23.963	264	308272	20.000	ng/ul	-0.15
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	6214	204.356	ng/uL	0.00
4) Pyridine-d5	3.858	84	778	9.850	ng/ul	0.01
7) Phenol-d5	7.240	99	117560	1133.279	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	79383	1281.359	ng/ul	0.00
11) 2-Chlorophenol-d4	7.610	132	97371	1294.654	ng/ul	0.00
15) 4-Methylphenol-d8	8.805	113	72660	853.455	ng/ul	0.00
21) Nitrobenzene-d5	9.269	128	48360	958.714	ng/ul	0.00
24) 2-Nitrophenol-d4	9.999	143	55091	956.356	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	97164	924.656	ng/ul	0.01
31) 4-Chloroaniline-d4	11.075	131	11166m	74.029	ng/ul	0.02
46) Dimethylphthalate-d6	14.140	166	366866	1039.631	ng/ul	0.00
49) Acenaphthylene-d8	14.428	160	395899	1026.016	ng/ul	0.00
54) 4-Nitrophenol-d4	14.969	143	23952	379.028	ng/ul	0.04
60) Fluorene-d10	15.728	176	317984	1068.588	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.857	200	42341	593.833	ng/ul	0.00
73) Anthracene-d10	17.592	188	453911	886.394	ng/ul	0.00
81) Pyrene-d10	19.816	212	520953	750.754	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.963	264	323189m	20.894	ng/ul	0.01
Target Compounds						
						Qvalue
6) Benzaldehyde	7.228	77	5738m	144.715	ng/ul	
8) Phenol	7.275	94	19231	179.696	ng/ul	92
16) Acetophenone	8.922	105	94670	696.776	ng/ul	99
30) Naphthalene	10.969	128	14590	41.906	ng/ul	100
36) 2-Methylnaphthalene	12.575	142	1234m	5.042	ng/ul	
37) 1-Methylnaphthalene	12.787	142	1170	4.748	ng/ul#	97
43) 1,1'-Biphenyl	13.575	154	721	2.083	ng/ul#	74
50) Acenaphthylene	14.463	152	4457	10.430	ng/ul#	86
52) Acenaphthene	14.804	153	1981	6.707	ng/ul#	86
56) Dibenzofuran	15.140	168	1765	4.216	ng/ul#	25
59) Diethylphthalate	15.545	149	1643	4.400	ng/ul#	91
61) Fluorene	15.787	166	1638	4.800	ng/ul#	88
72) Phenanthrene	17.539	178	46528	77.035	ng/ul	98
74) Anthracene	17.633	178	8572	13.988	ng/ul	97
77) Carbazole	17.904	167	7127	12.916	ng/ul	97
78) Di-n-butylphthalate	18.428	149	6170	8.813	ng/ul#	97
80) Fluoranthene	19.492	202	154444	182.721	ng/ul#	58
82) Pyrene	19.845	202	118759	135.806	ng/ul	97
83) Butylbenzylphthalate	20.698	149	2705	6.999	ng/ul#	85
85) Benzo(a)anthracene	21.563	228	73521	81.117	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.457	149	20967	36.701	ng/ul	95
87) Chrysene	21.616	228	102537	119.688	ng/ul	97
90) Benzo(b)fluoranthene	23.351	252	137550m	6.912	ng/ul	
91) Benzo(k)fluoranthene	23.398	252	48939m	2.544	ng/ul	

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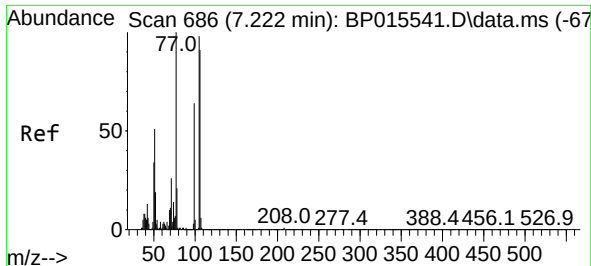
Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(a)pyrene	24.015	252	41204m	2.375	ng/ul	
94) Indeno(1,2,3-cd)pyrene	26.839	276	48080m	2.141	ng/ul	

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



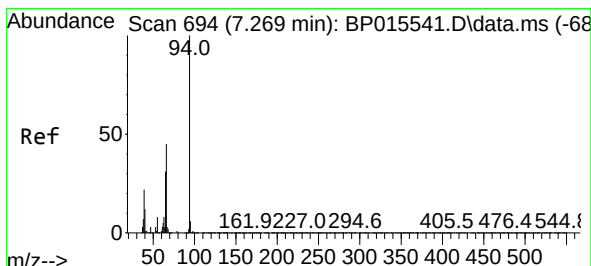
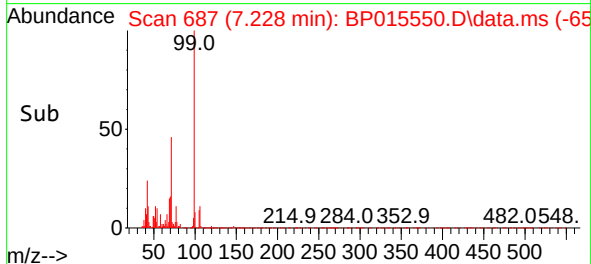
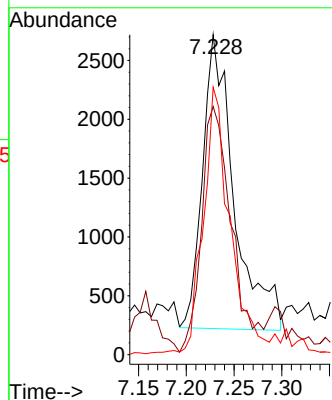
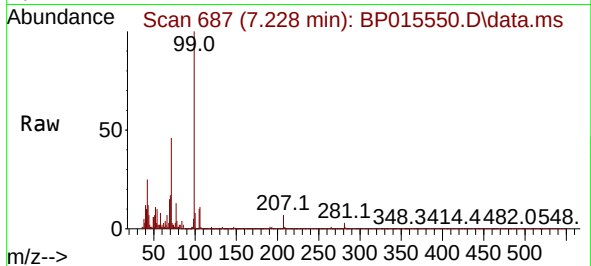
#6
Benzaldehyde
Concen: 144.715 ng/ul m
RT: 7.228 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

Instrument :
BNA_P
ClientSampleId :
DCFR4

Tgt Ion: 77 Resp: 5738
Ion Ratio Lower Upper
77 100
105 77.6 77.3 115.9
106 83.6 73.3 109.9

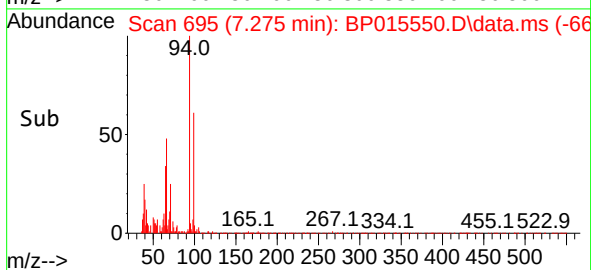
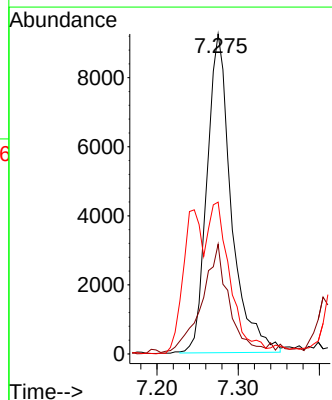
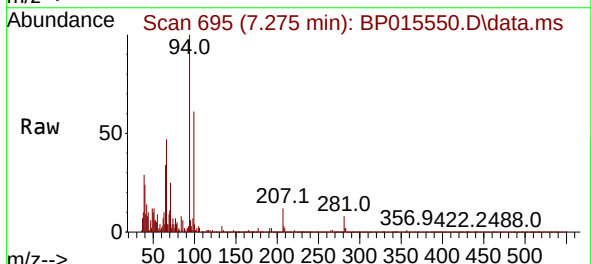
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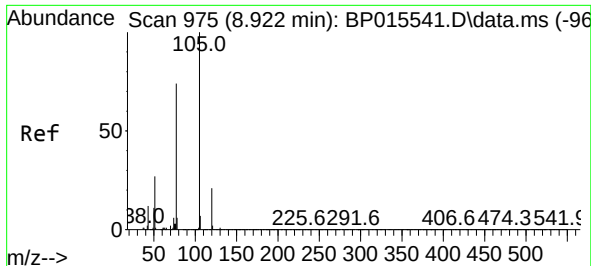
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#8
Phenol
Concen: 179.696 ng/ul
RT: 7.275 min Scan# 695
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

Tgt Ion: 94 Resp: 19231
Ion Ratio Lower Upper
94 100
65 34.3 23.5 35.3
66 47.4 34.2 51.4





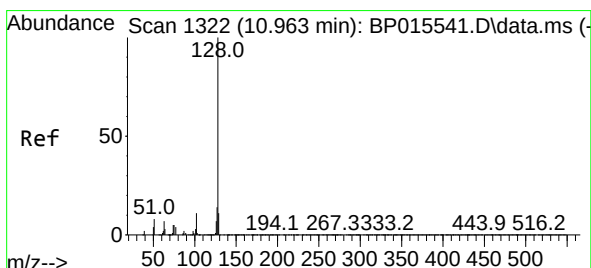
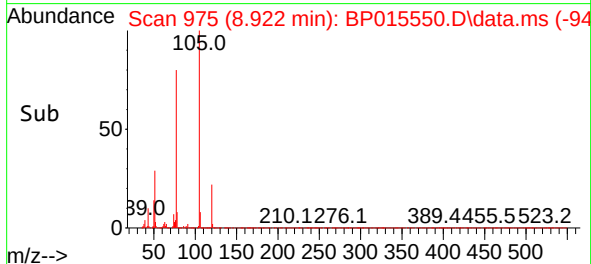
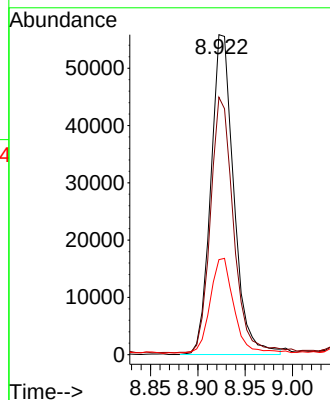
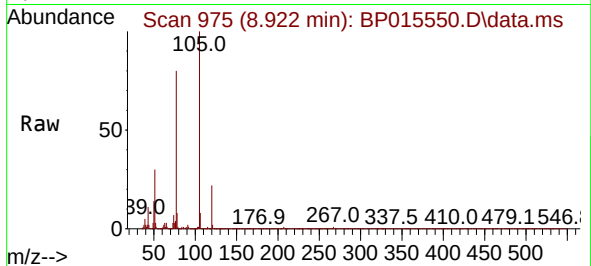
#16
Acetophenone
Concen: 696.776 ng/ul
RT: 8.922 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

Instrument :
BNA_P
ClientSampleId :
DCFR4

Tgt Ion	Ratio	Lower	Upper
105	100		
77	80.4	64.9	97.3
51	29.7	23.5	35.3

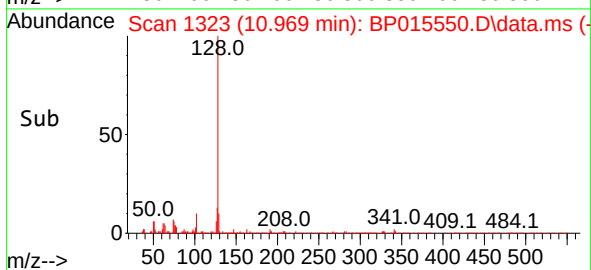
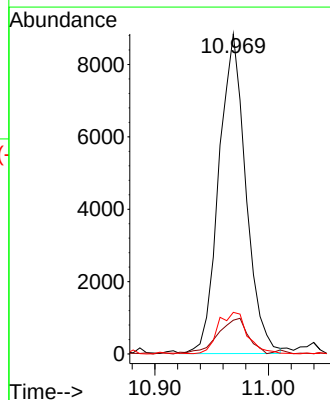
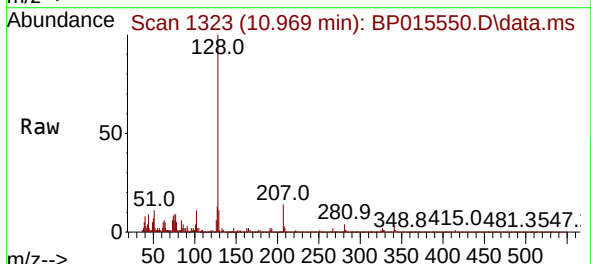
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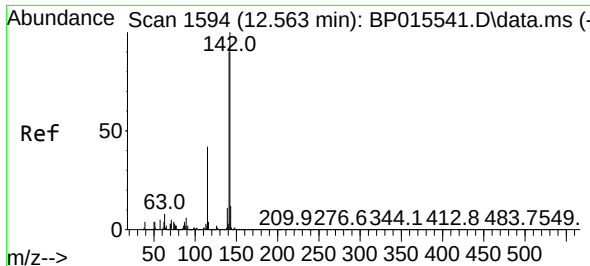
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#30
Naphthalene
Concen: 41.906 ng/ul
RT: 10.969 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

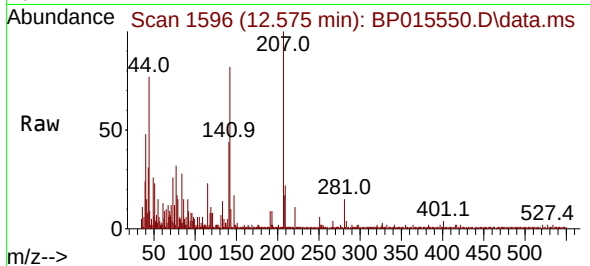
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	13.0	10.5	15.7





#36
2-Methylnaphthalene
Concen: 5.042 ng/ul m
RT: 12.575 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

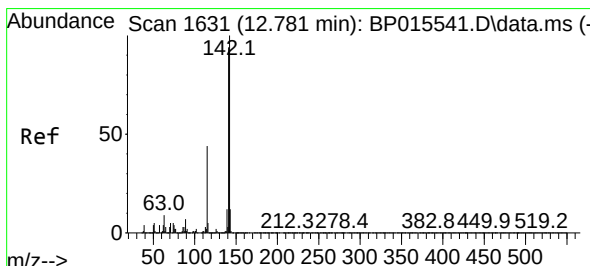
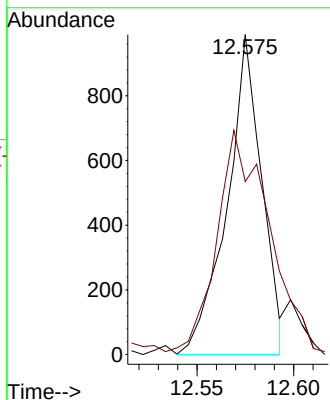
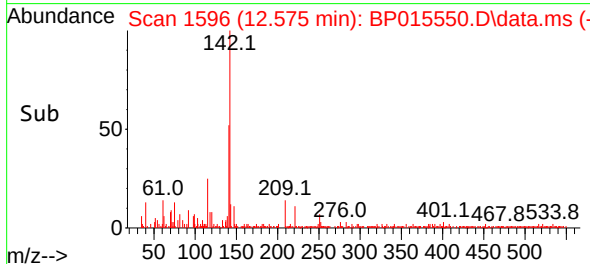
Instrument :
BNA_P
ClientSampleId :
DCFR4



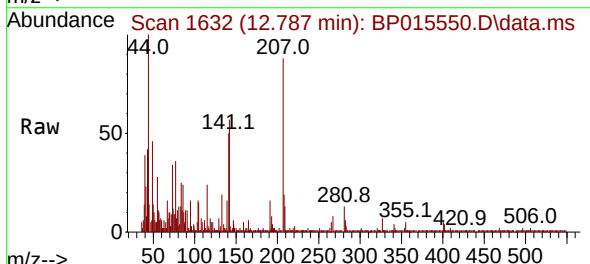
Tgt Ion:142 Resp: 1234
Ion Ratio Lower Upper
142 100
141 54.1 72.0 108.0

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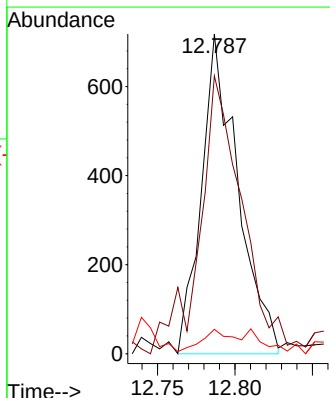
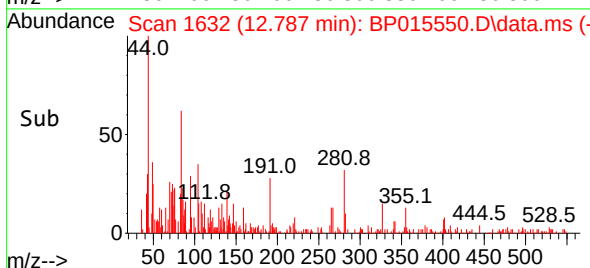
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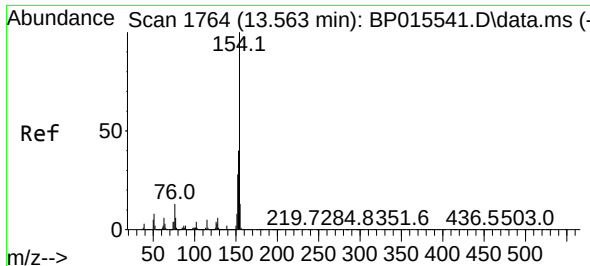


#37
1-Methylnaphthalene
Concen: 4.748 ng/ul
RT: 12.787 min Scan# 1632
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56



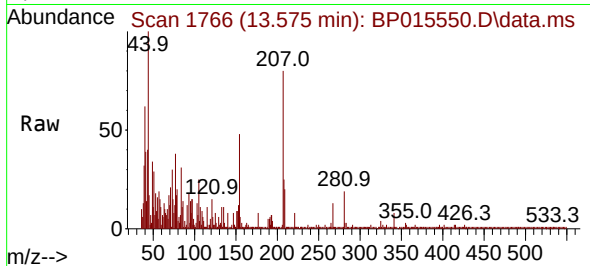
Tgt Ion:142 Resp: 1170
Ion Ratio Lower Upper
142 100
141 86.9 71.9 107.9
116 7.7 3.4 5.2





#43
1,1'-Biphenyl
Concen: 2.083 ng/ul
RT: 13.575 min Scan# 1766
Delta R.T. 0.012 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

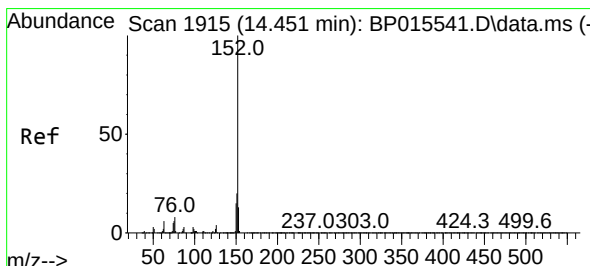
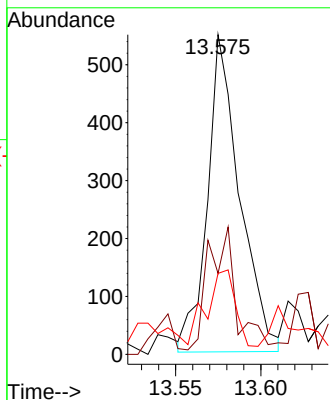
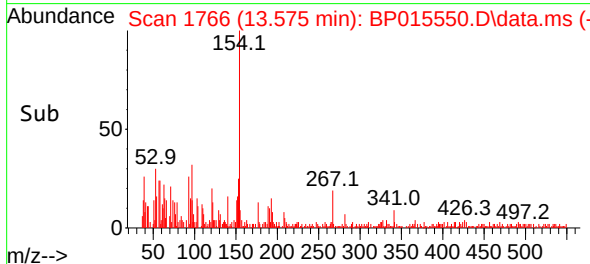
Instrument :
BNA_P
ClientSampleId :
DCFR4



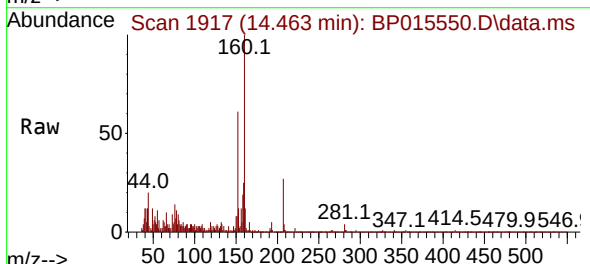
Tgt Ion:154 Resp: 720
Ion Ratio Lower Upper
154 100
153 25.4 32.2 48.2#
76 25.4 10.4 15.6#

Manual Integrations
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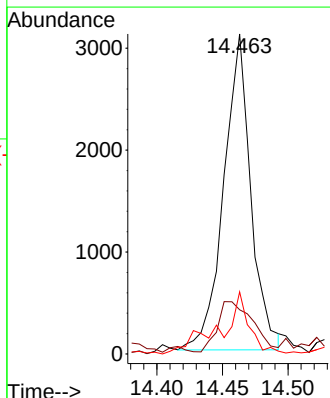
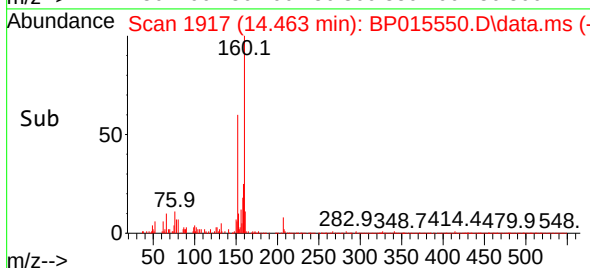
Reviewed By :Yogesh Patel 06/16/2023
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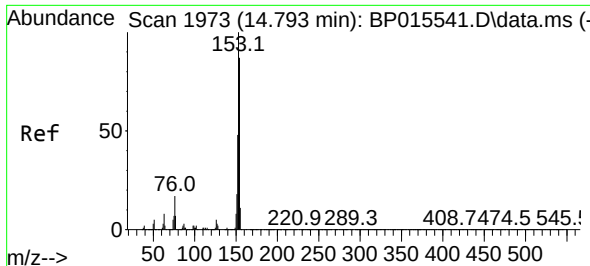


#50
Acenaphthylene
Concen: 10.430 ng/ul
RT: 14.463 min Scan# 1917
Delta R.T. 0.012 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56



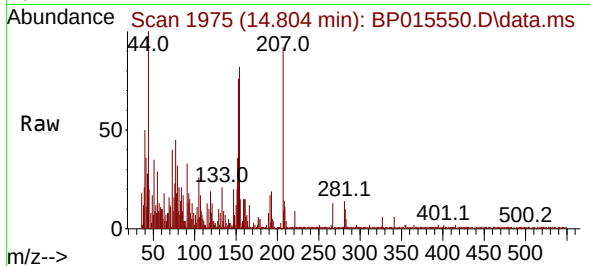
Tgt Ion:152 Resp: 4457
Ion Ratio Lower Upper
152 100
151 13.8 16.0 24.0#
153 19.4 10.6 15.8#





#52
Acenaphthene
Concen: 6.707 ng/u1
RT: 14.804 min Scan# 1983
Delta R.T. 0.012 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

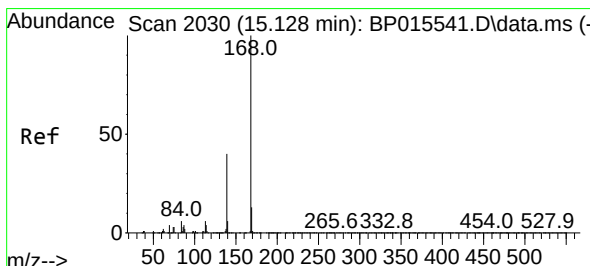
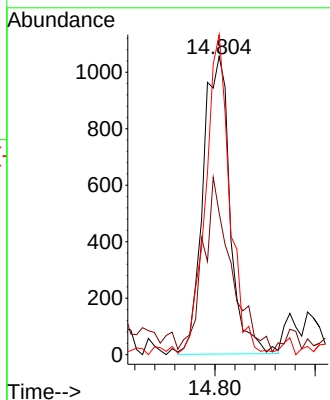
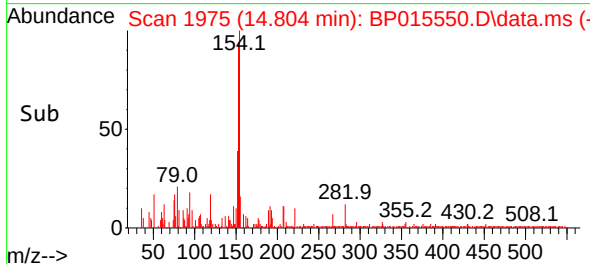
Instrument :
BNA_P
ClientSampleId :
DCFR4



Tgt Ion:153 Resp: 1983
Ion Ratio Lower Upper
153 100
152 47.5 38.3 57.5
154 107.3 69.8 104.6

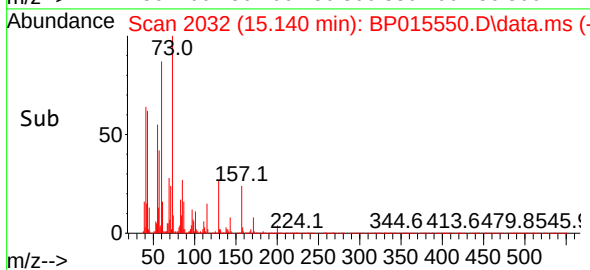
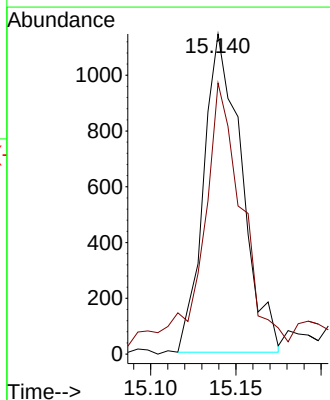
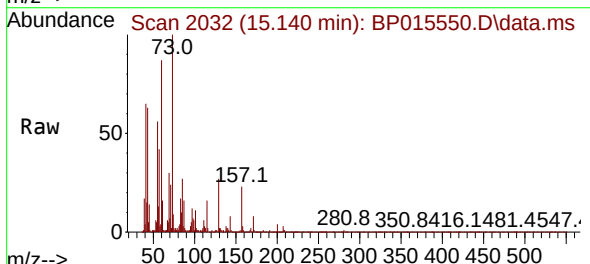
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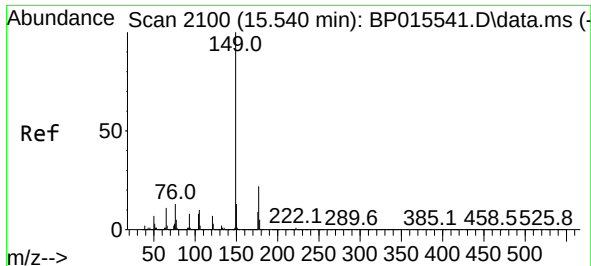
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#56
Dibenzofuran
Concen: 4.216 ng/u1
RT: 15.140 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

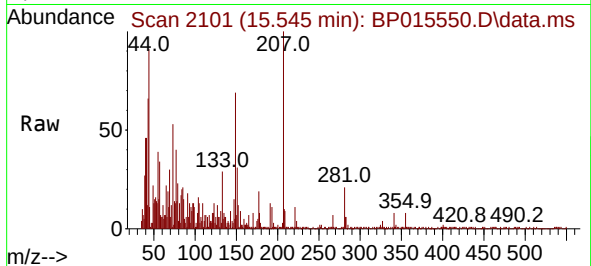
Tgt Ion:168 Resp: 1765
Ion Ratio Lower Upper
168 100
139 84.7 31.2 46.8





#59
Diethylphthalate
Concen: 4.400 ng/ul
RT: 15.545 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

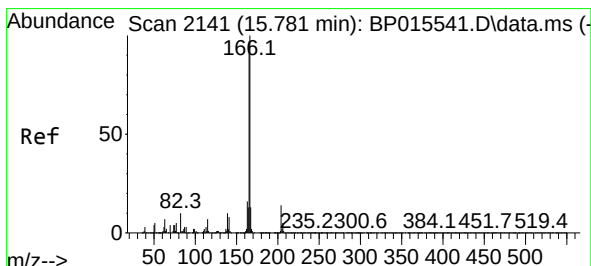
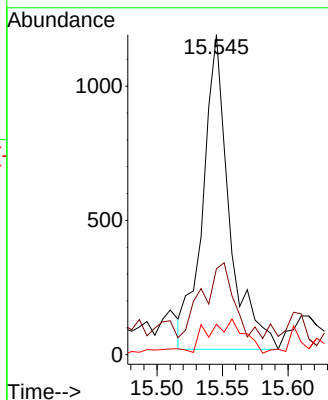
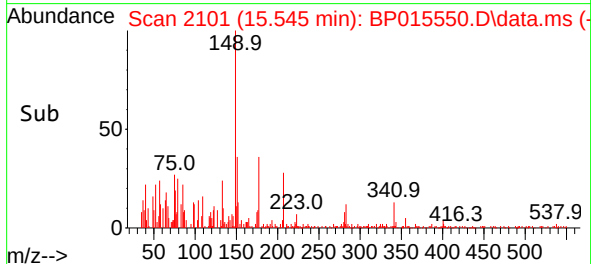
Instrument :
BNA_P
ClientSampleId :
DCFR4



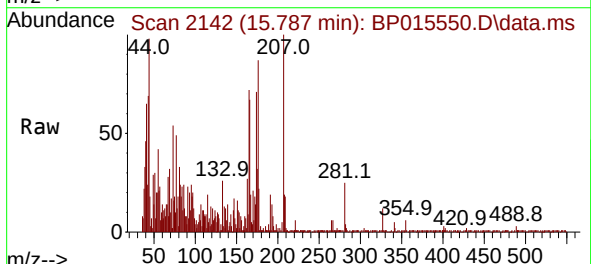
Tgt Ion:149 Resp: 164
Ion Ratio Lower Upper
149 100
177 26.8 17.8 26.8
150 9.5 10.1 15.1

Manual Integrations
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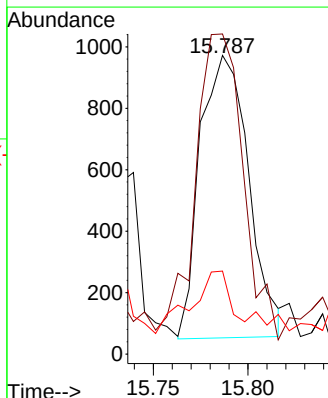
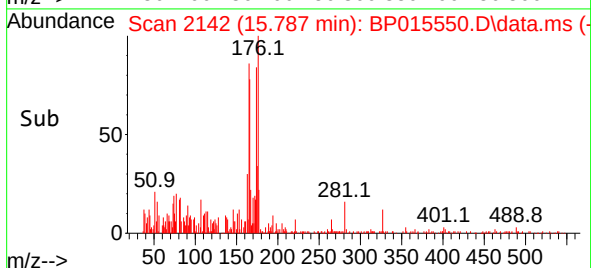
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

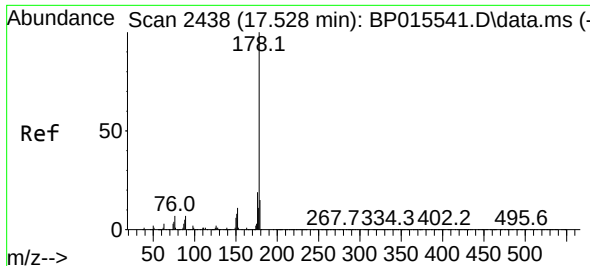


#61
Fluorene
Concen: 4.800 ng/ul
RT: 15.787 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56



Tgt Ion:166 Resp: 1638
Ion Ratio Lower Upper
166 100
165 107.2 79.1 118.7
167 27.8 10.6 16.0





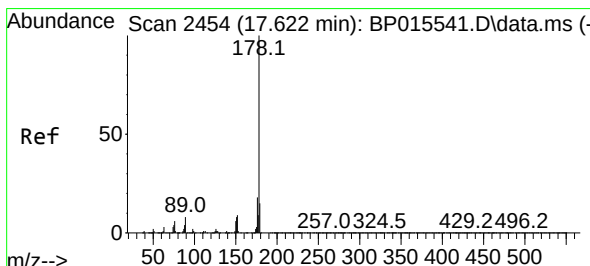
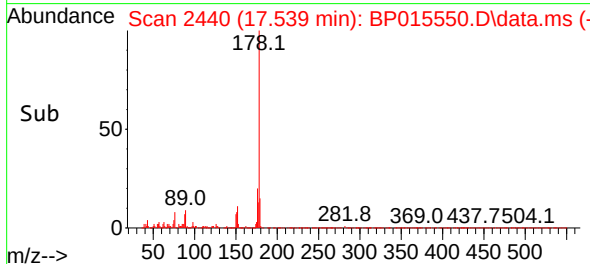
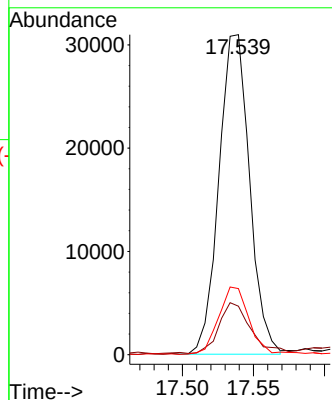
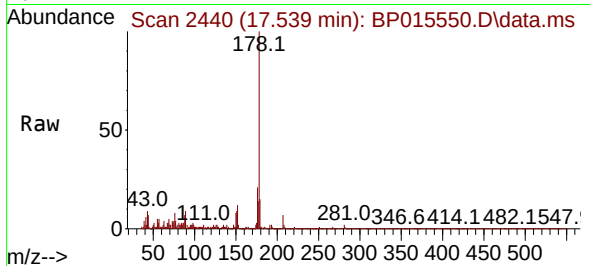
#72
Phenanthrene
Concen: 77.035 ng/u1
RT: 17.539 min Scan# 2440
Delta R.T. 0.012 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

Instrument :
BNA_P
ClientSampleId :
DCFR4

Tgt Ion:178 Resp: 46528
Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 20.6 15.4 23.0

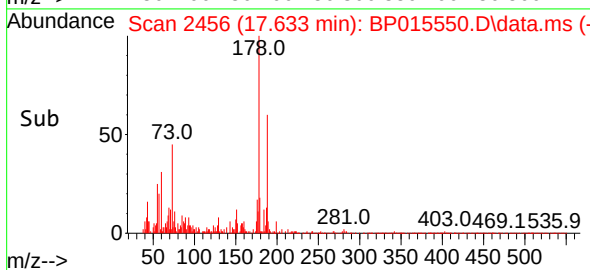
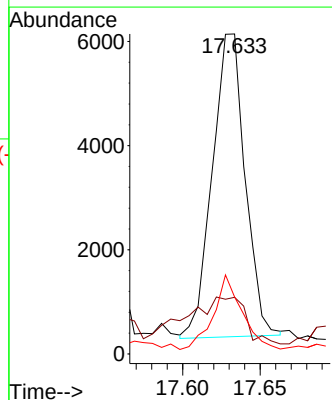
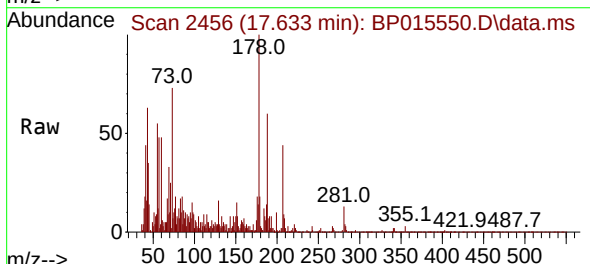
Manual Integrations
APPROVED

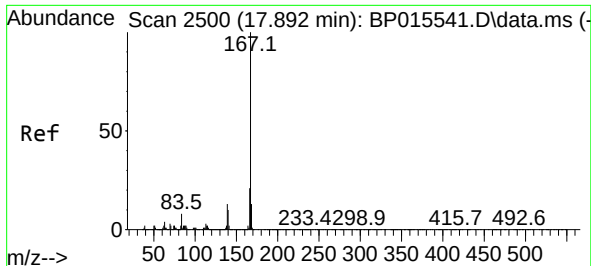
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#74
Anthracene
Concen: 13.988 ng/u1
RT: 17.633 min Scan# 2456
Delta R.T. 0.012 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

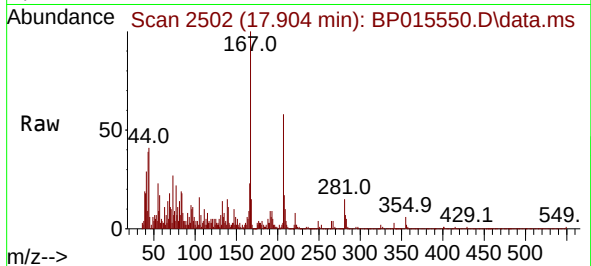
Tgt Ion:178 Resp: 8572
Ion Ratio Lower Upper
178 100
179 17.7 12.4 18.6
176 17.8 15.0 22.4





#77
 Carbazole
 Concen: 12.916 ng/ul
 RT: 17.904 min Scan# 2502
 Delta R.T. 0.012 min
 Lab File: BP015550.D
 Acq: 15 Jun 2023 11:56

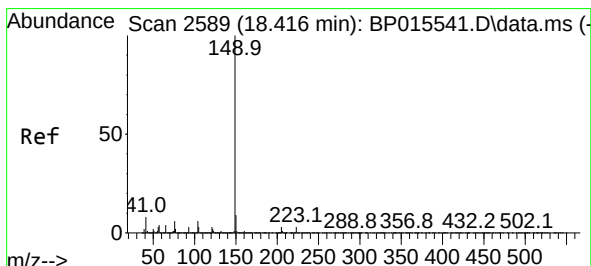
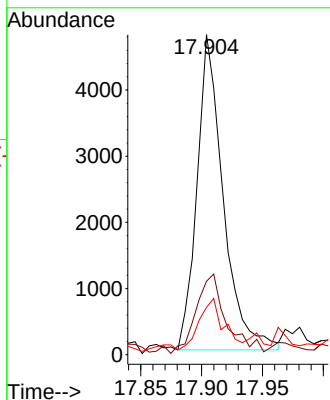
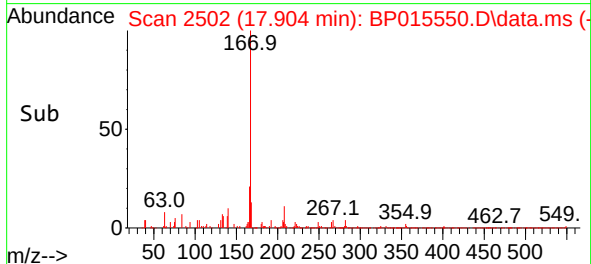
Instrument :
 BNA_P
 ClientSampleId :
 DCFR4



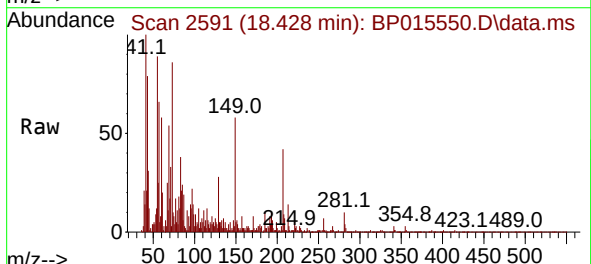
Tgt Ion:167 Resp: 712
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.2 25.8
 139 14.8 10.6 16.0

Manual Integrations
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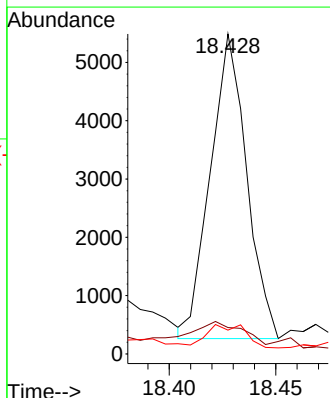
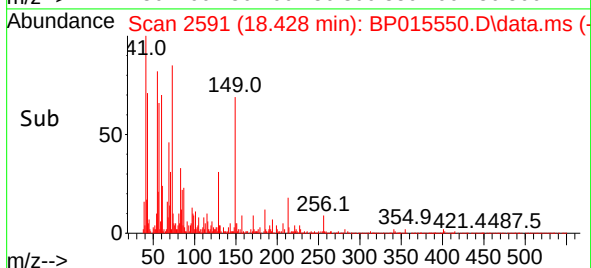
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

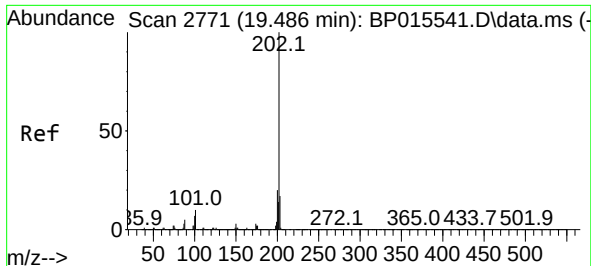


#78
 Di-n-butylphthalate
 Concen: 8.813 ng/ul
 RT: 18.428 min Scan# 2591
 Delta R.T. 0.012 min
 Lab File: BP015550.D
 Acq: 15 Jun 2023 11:56



Tgt Ion:149 Resp: 6170
 Ion Ratio Lower Upper
 149 100
 150 8.2 7.1 10.7
 104 7.4 4.5 6.7#





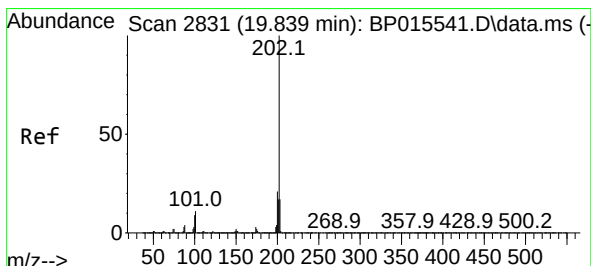
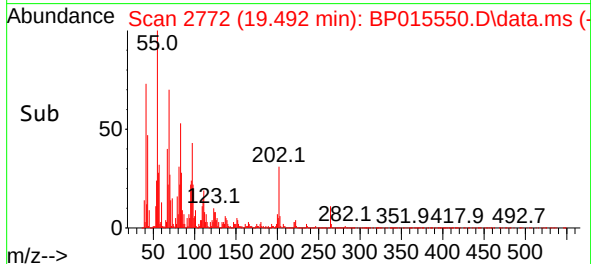
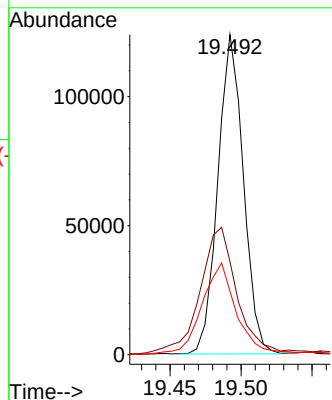
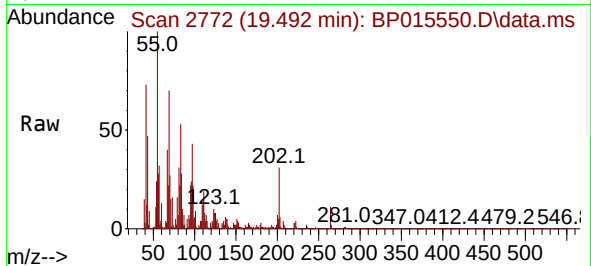
#80
Fluoranthene
Concen: 182.721 ng/u1
RT: 19.492 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

Instrument :
BNA_P
ClientSampleId :
DCFR4

Tgt Ion:202 Resp: 15444
Ion Ratio Lower Upper
202 100
101 29.2 8.6 13.0
100 19.9 6.6 9.8

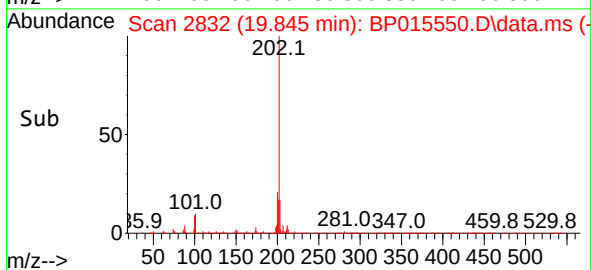
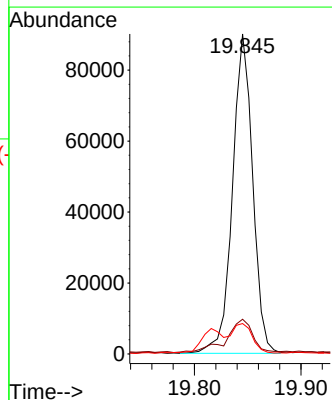
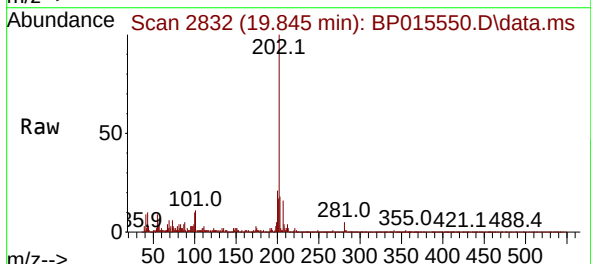
Manual Integrations
APPROVED

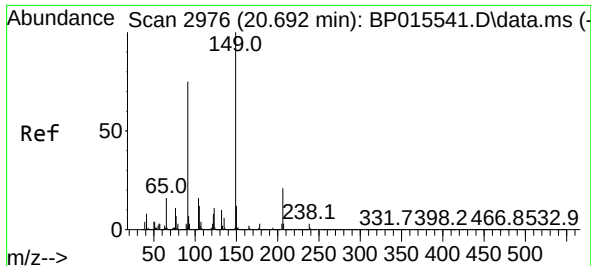
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#82
Pyrene
Concen: 135.806 ng/u1
RT: 19.845 min Scan# 2832
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

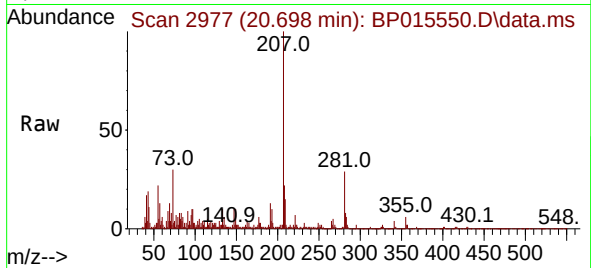
Tgt Ion:202 Resp: 118759
Ion Ratio Lower Upper
202 100
101 10.8 9.9 14.9
100 9.5 8.4 12.6





#83
Butylbenzylphthalate
Concen: 6.999 ng/ul
RT: 20.698 min Scan# 2976
Delta R.T. 0.006 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

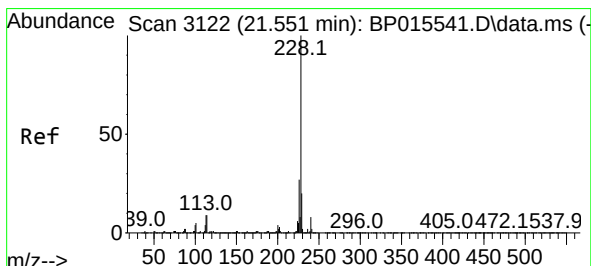
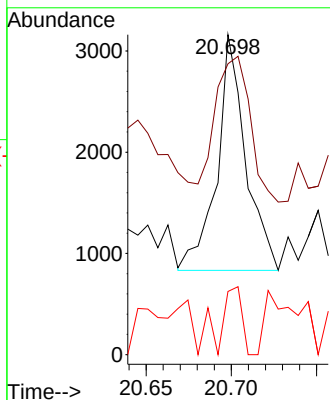
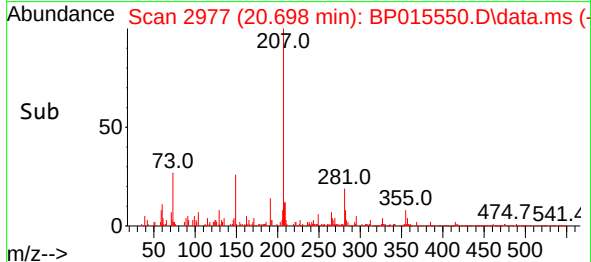
Instrument :
BNA_P
ClientSampleId :
DCFR4



Tgt Ion:149 Resp: 2708
Ion Ratio Lower Upper
149 100
91 90.9 60.4 90.6
206 19.8 16.4 24.6

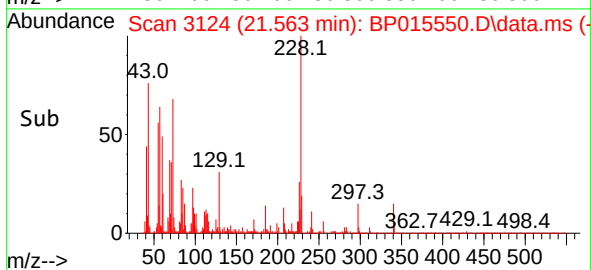
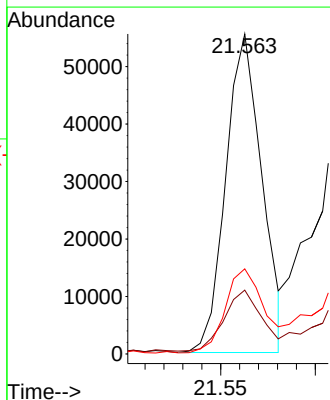
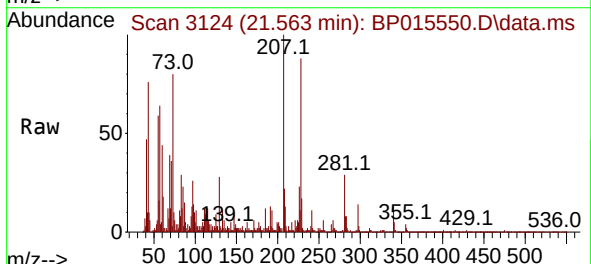
Manual Integrations
APPROVED

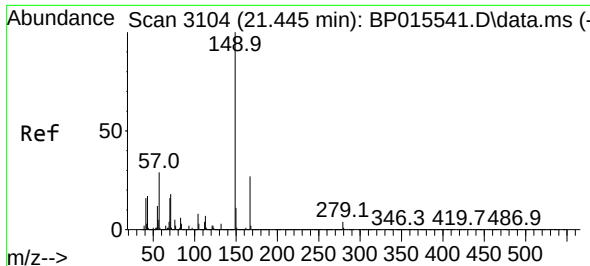
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#85
Benzo(a)anthracene
Concen: 81.117 ng/ul
RT: 21.563 min Scan# 3124
Delta R.T. 0.012 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

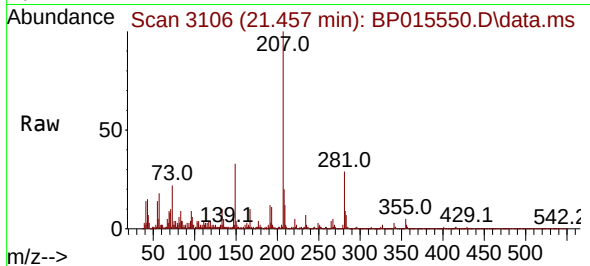
Tgt Ion:228 Resp: 73521
Ion Ratio Lower Upper
228 100
229 19.9 15.8 23.6
226 26.6 21.8 32.6





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 36.701 ng/ul
 RT: 21.457 min Scan# 3106
 Delta R.T. 0.012 min
 Lab File: BP015550.D
 Acq: 15 Jun 2023 11:56

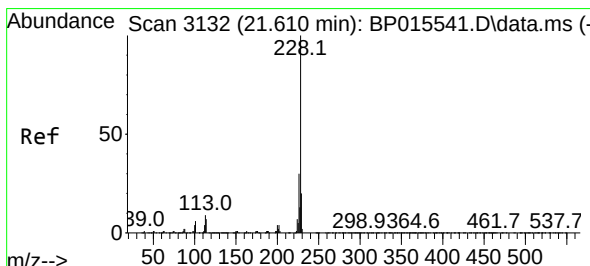
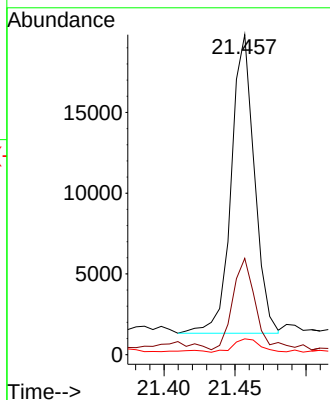
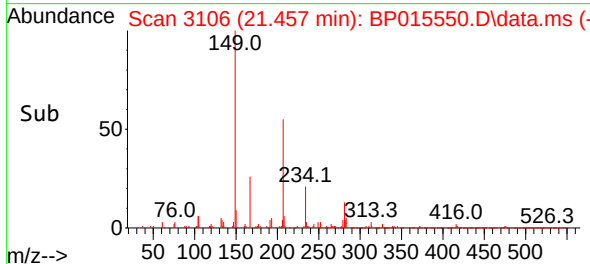
Instrument :
 BNA_P
 ClientSampleId :
 DCFR4



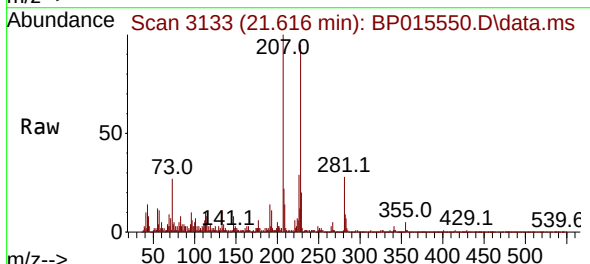
Tgt Ion:149 Resp: 2096
 Ion Ratio Lower Upper
 149 100
 167 30.1 21.8 32.8
 279 5.0 3.7 5.5

Manual Integrations
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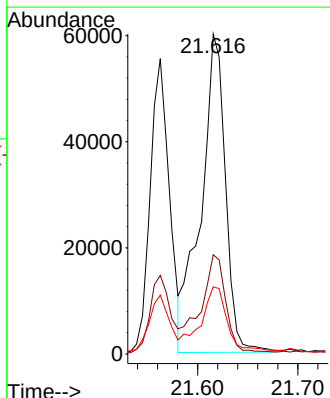
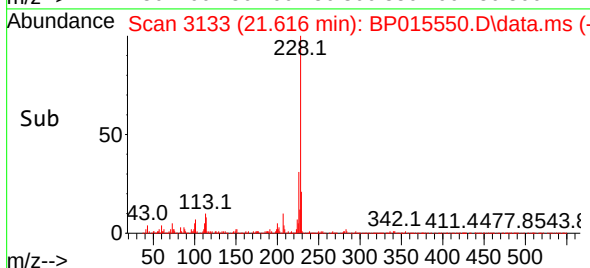
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

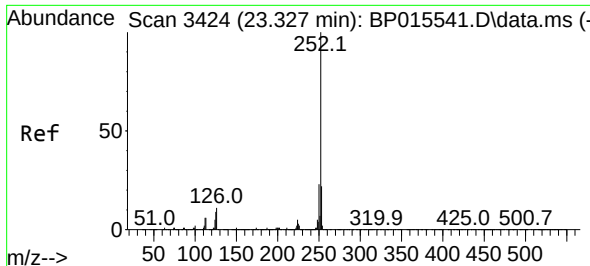


#87
 Chrysene
 Concen: 119.688 ng/ul
 RT: 21.616 min Scan# 3133
 Delta R.T. 0.006 min
 Lab File: BP015550.D
 Acq: 15 Jun 2023 11:56



Tgt Ion:228 Resp: 102537
 Ion Ratio Lower Upper
 228 100
 226 31.0 23.9 35.9
 229 21.0 15.1 22.7





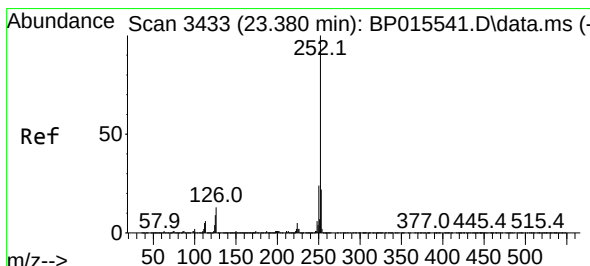
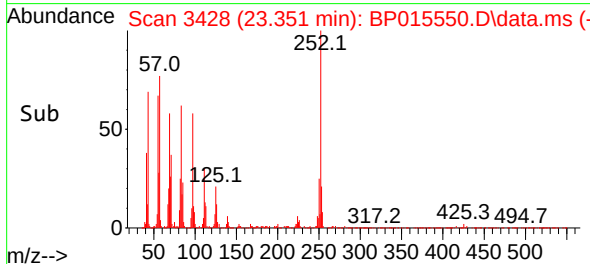
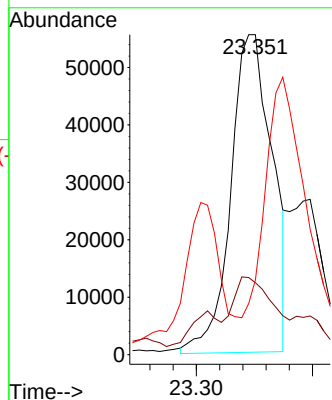
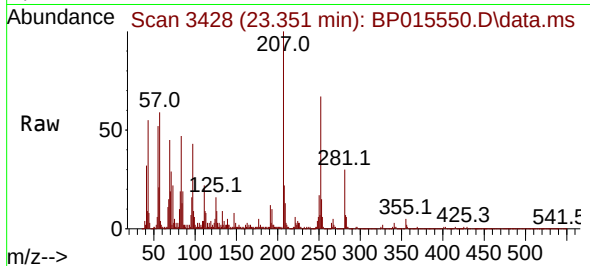
#90
Benzo(b)fluoranthene
Concen: 6.912 ng/ul m
RT: 23.351 min Scan# 3428
Delta R.T. 0.023 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

Instrument :
BNA_P
ClientSampleId :
DCFR4

Tgt Ion:252 Resp: 137550
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 23.3 7.3 10.9

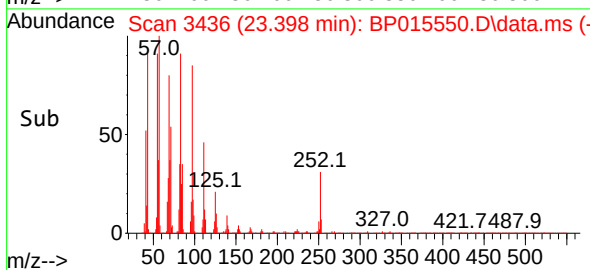
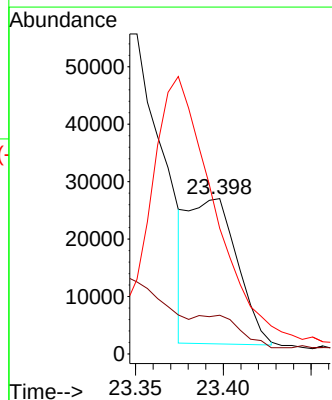
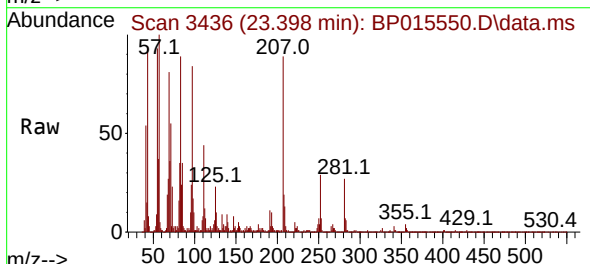
Manual Integrations
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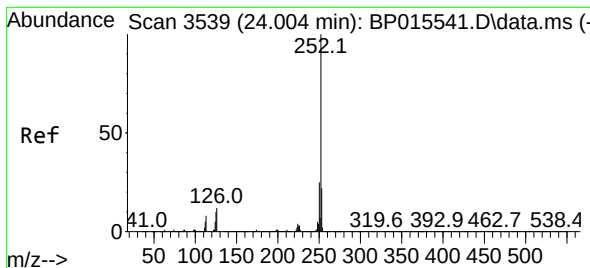
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#91
Benzo(k)fluoranthene
Concen: 2.544 ng/ul m
RT: 23.398 min Scan# 3436
Delta R.T. 0.018 min
Lab File: BP015550.D
Acq: 15 Jun 2023 11:56

Tgt Ion:252 Resp: 48939
Ion Ratio Lower Upper
252 100
253 24.9 17.7 26.5
125 80.8 7.3 10.9





#93

Benzo(a)pyrene

Concen: 2.375 ng/ul m

RT: 24.015 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP015550.D

Acq: 15 Jun 2023 11:56

Instrument :

BNA_P

ClientSampleId :

DCFR4

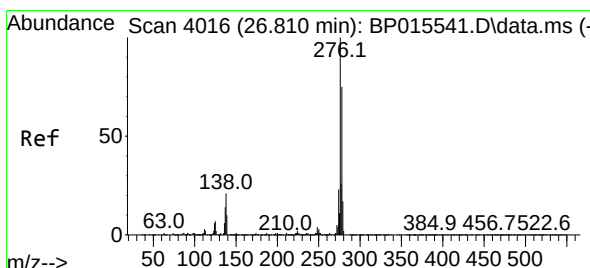
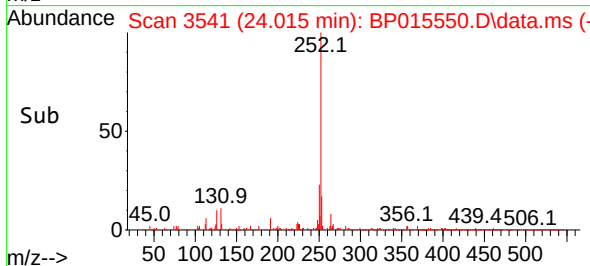
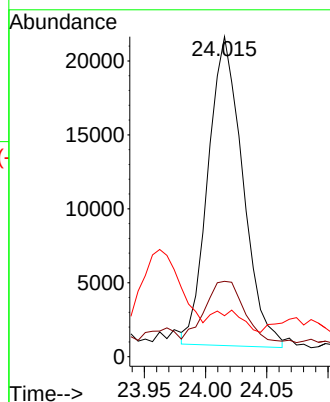
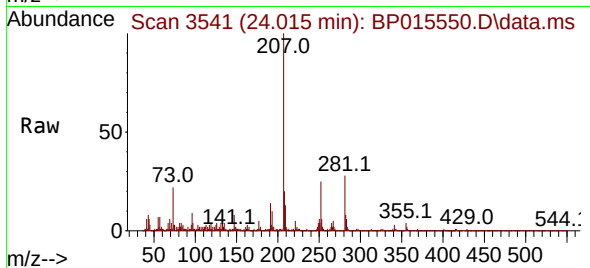
Tgt Ion:	252	Resp:	41204
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	12.8	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/16/2023

Supervised By :mohammad ahmed 06/16/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.141 ng/ul m

RT: 26.839 min Scan# 4021

Delta R.T. 0.029 min

Lab File: BP015550.D

Acq: 15 Jun 2023 11:56

Tgt Ion:	276	Resp:	48080
Ion Ratio	Lower	Upper	
276	100		
138	20.2	17.3	25.9
277	25.0	20.2	30.2

