

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019924.D
 Acq On : 28 Feb 2024 19:27
 Operator : MA/JU
 Sample : P1612-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-022724

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024

Quant Time: Feb 29 00:34:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 02:05:05 2024
 Response via : Initial Calibration

Supervised By :mohammad
 ahmed
 03/01/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	91493	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	359088	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	248375	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	507276	20.000	ng	0.00
76) Chrysene-d12	21.404	240	372050	20.000	ng	0.00
86) Perylene-d12	23.839	264	411896	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	83077	14.904	ng	0.00
7) Phenol-d6	7.069	99	116556	14.044	ng	0.00
23) Nitrobenzene-d5	9.063	82	79177	8.902	ng	-0.01
42) 2,4,6-Tribromophenol	16.040	330	63804	14.982	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	190796	10.379	ng	0.00
79) Terphenyl-d14	19.875	244	273304	11.578	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.345	178	74499	2.751	ng	97
75) Fluoranthene	19.316	202	145516	4.141	ng	99
78) Pyrene	19.669	202	129625	5.071	ng	99
81) Benzo(a)anthracene	21.392	228	61352	2.323	ng	# 90
83) Chrysene	21.445	228	76239m	3.081	ng	
88) Benzo(b)fluoranthene	23.098	252	81296	3.219	ng	# 61
90) Benzo(a)pyrene	23.727	252	55094	2.283	ng	# 74

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

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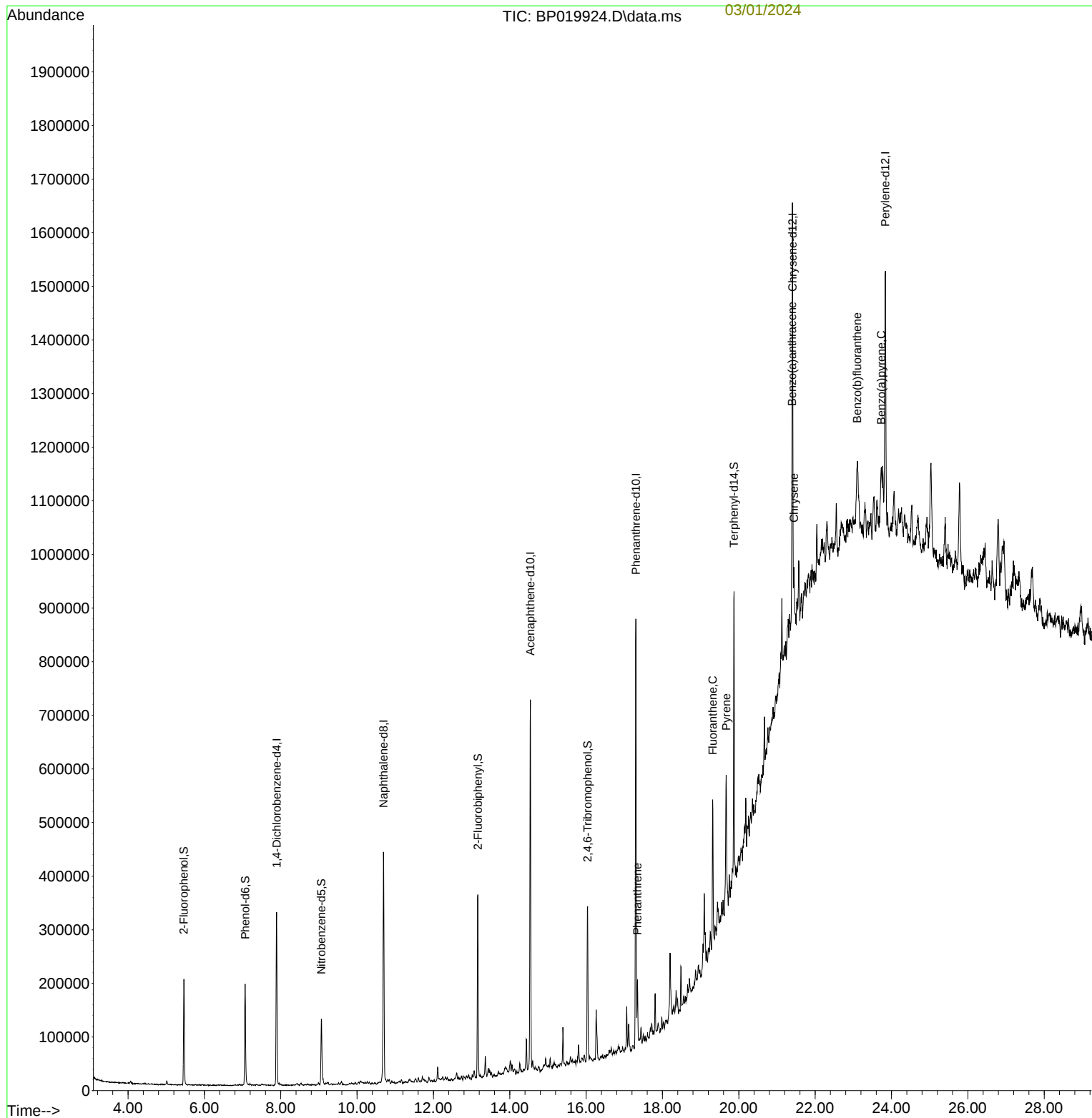
Instrument :
BNA_P
ClientSampleId :
OK-02-022724

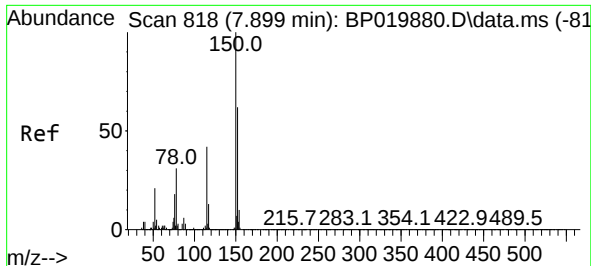
Quant Time: Feb 29 00:34:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
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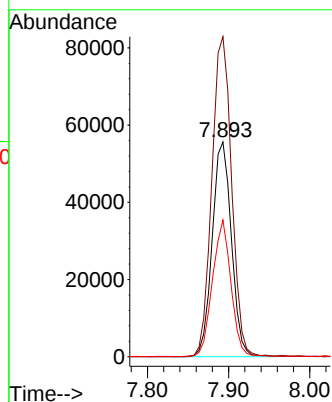
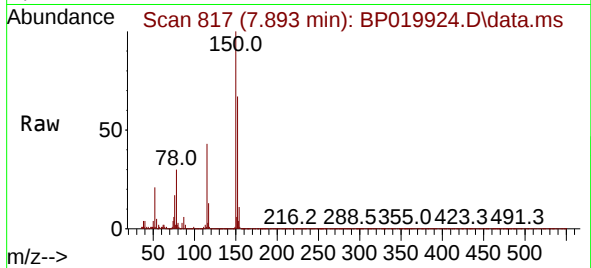
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Instrument :
BNA_P
ClientSampleId :
OK-02-022724

Tgt Ion:152 Resp: 9149
Ion Ratio Lower Upper
152 100
150 149.0 128.6 192.8
115 63.7 53.4 80.2

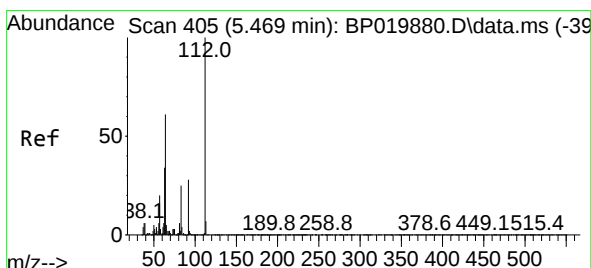
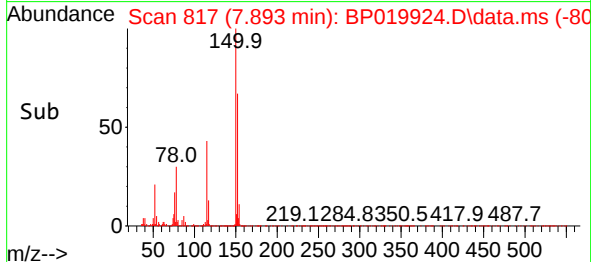
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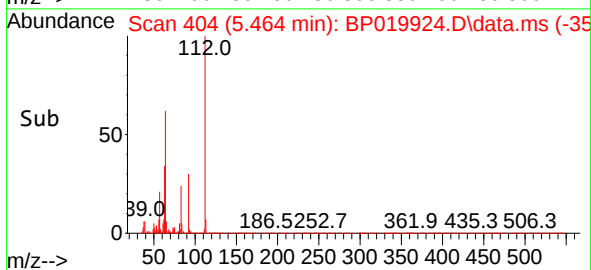
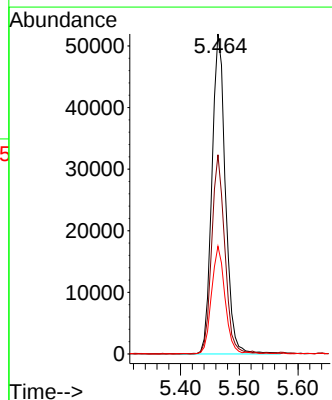
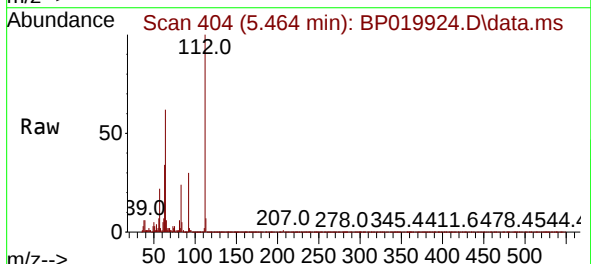
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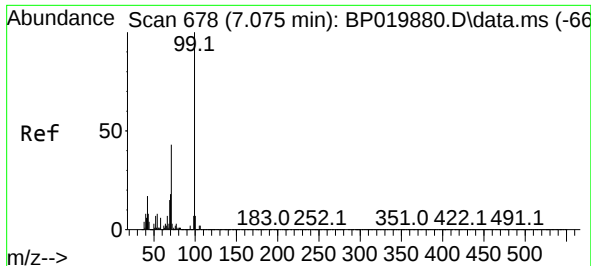
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#5
2-Fluorophenol
Concen: 14.904 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

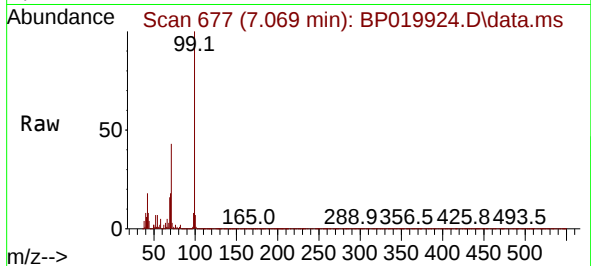
Tgt Ion:112 Resp: 83077
Ion Ratio Lower Upper
112 100
64 62.3 49.0 73.6
63 33.6 27.6 41.4





#7
Phenol-d6
Concen: 14.044 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

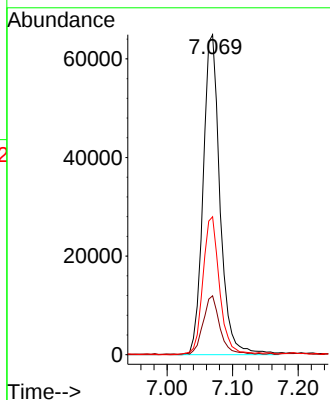
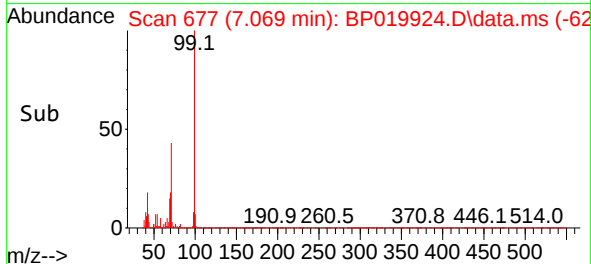
Instrument :
BNA_P
ClientSampleId :
OK-02-022724



Tgt Ion: 99 Resp: 116550
Ion Ratio Lower Upper
99 100
42 18.4 13.8 20.8
71 43.1 34.5 51.7

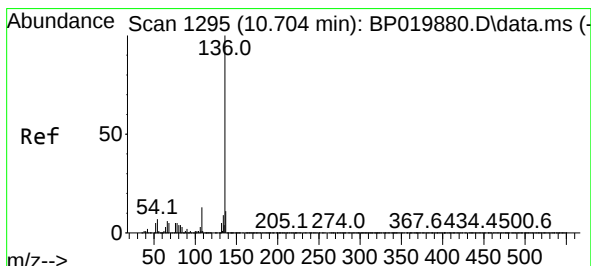
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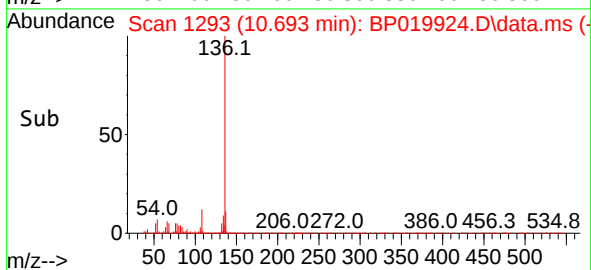
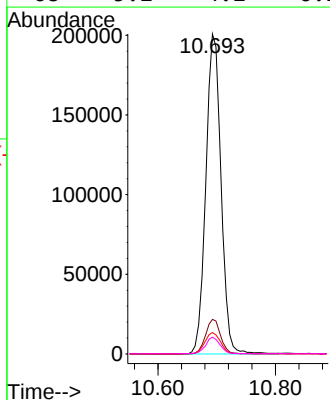
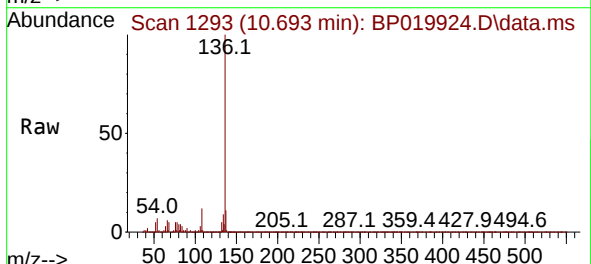
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ahmed

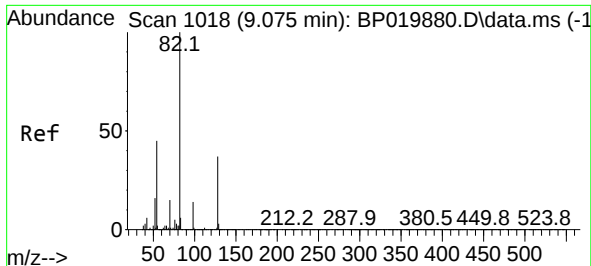
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Tgt Ion:136 Resp: 359088
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.7 6.0 9.0
68 5.2 4.2 6.2





#23
Nitrobenzene-d5
Concen: 8.902 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

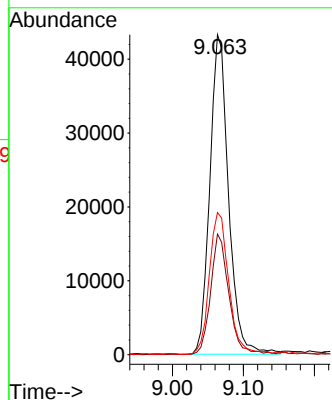
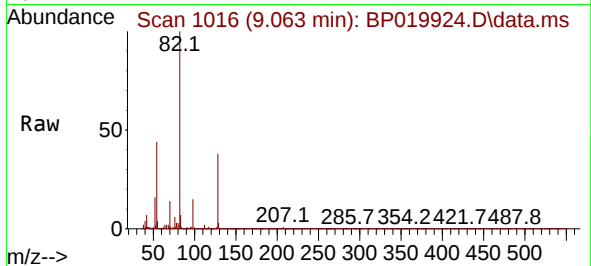
ClientSampleId :

OK-02-022724

Tgt Ion: 82 Resp: 7917
Ion Ratio Lower Upper
82 100
128 37.7 29.6 44.4
54 44.5 36.3 54.5

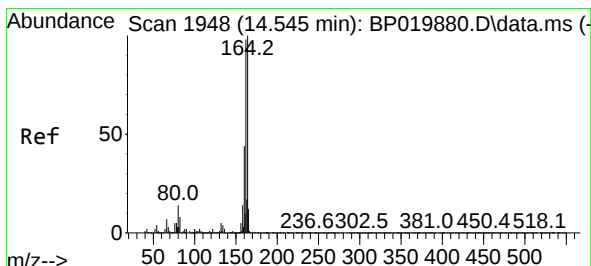
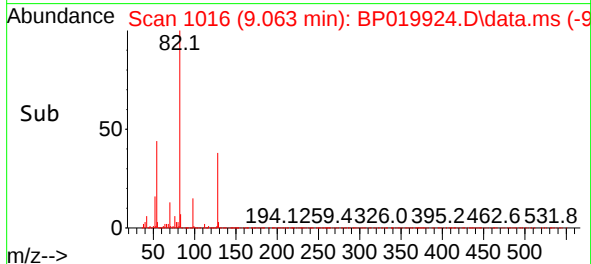
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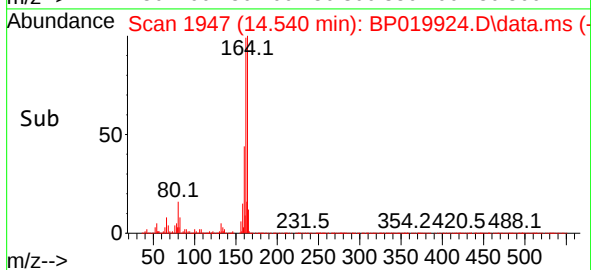
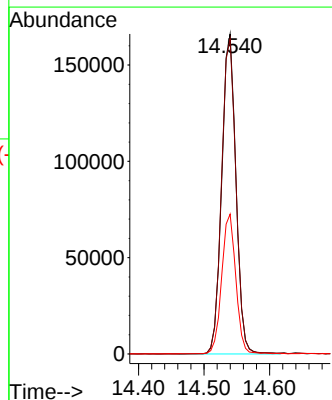
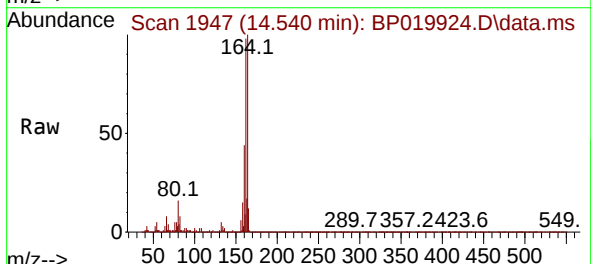
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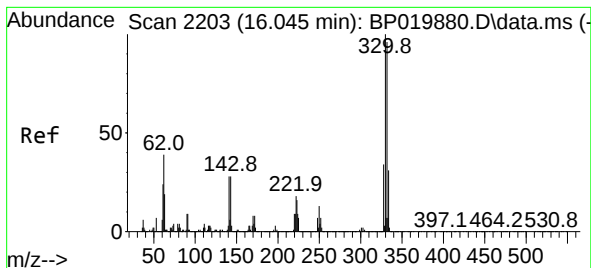
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Tgt Ion:164 Resp: 248375
Ion Ratio Lower Upper
164 100
162 98.5 78.1 117.1
160 43.7 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 14.982 ng

RT: 16.040 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

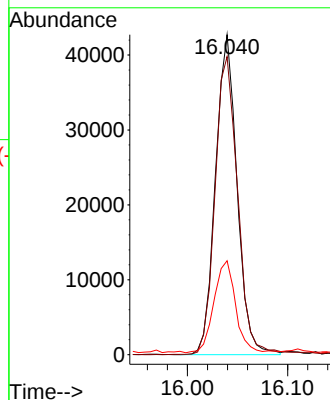
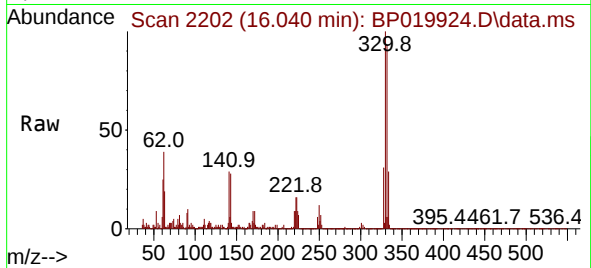
OK-02-022724

Tgt Ion:	330	Resp:	63804
Ion Ratio	Lower	Upper	
330	100		
332	98.5	77.4	116.2
141	29.1	24.6	37.0

Manual Integrations

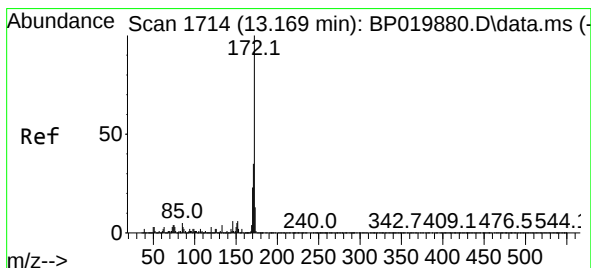
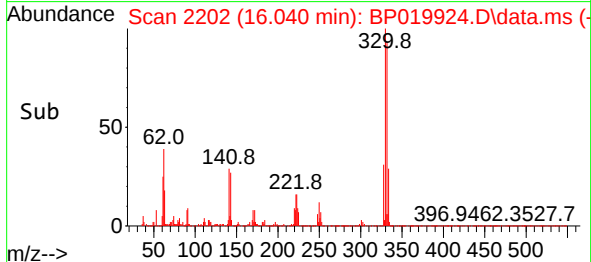
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#45

2-Fluorobiphenyl

Concen: 10.379 ng

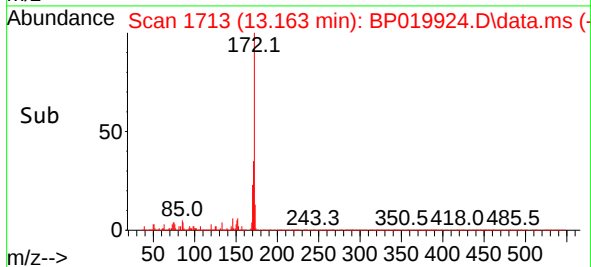
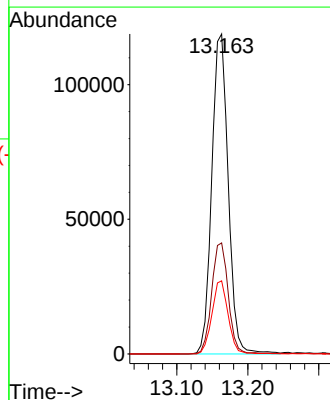
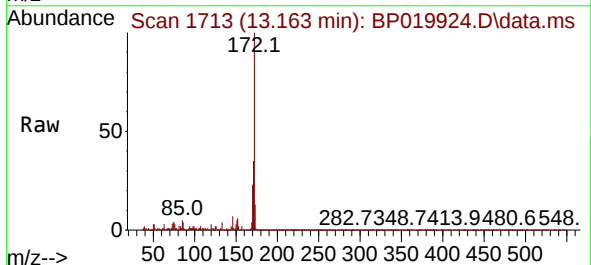
RT: 13.163 min Scan# 1713

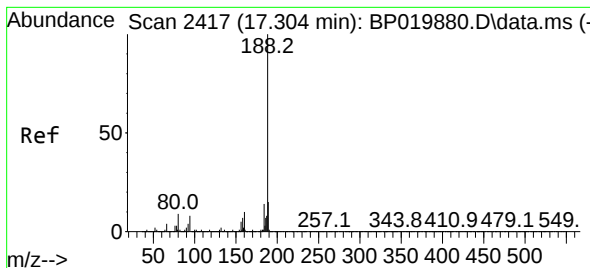
Delta R.T. -0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Tgt Ion:	172	Resp:	190796
Ion Ratio	Lower	Upper	
172	100		
171	34.7	27.8	41.6
170	22.9	18.4	27.6





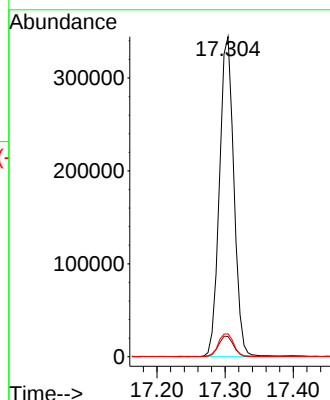
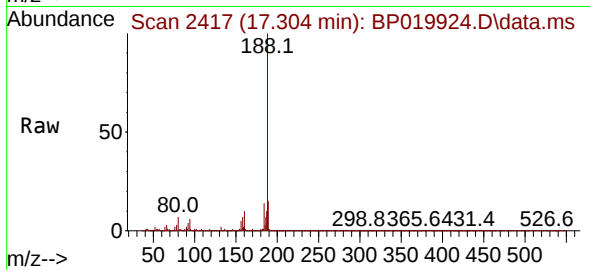
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Instrument :
BNA_P
ClientSampleId :
OK-02-022724

Tgt Ion:188 Resp: 507270
Ion Ratio Lower Upper
188 100
94 6.3 6.2 9.4
80 7.2 7.0 10.4

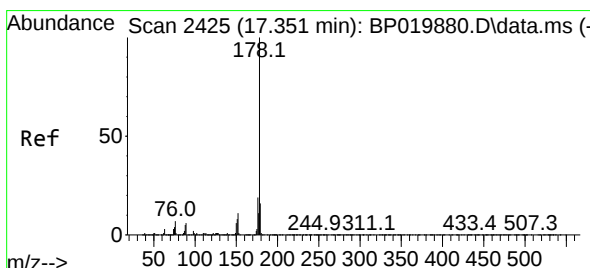
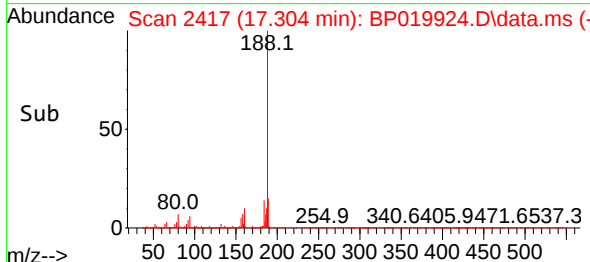
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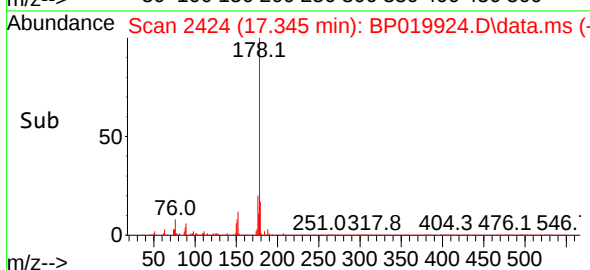
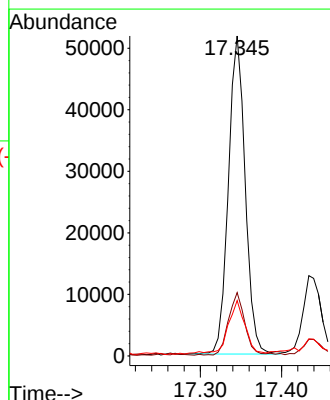
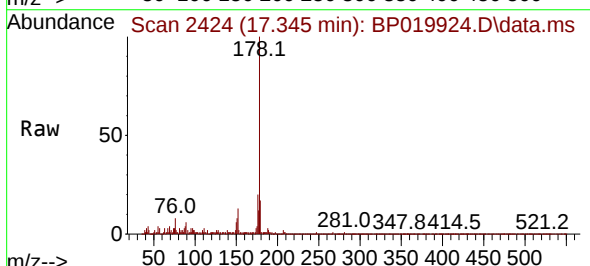
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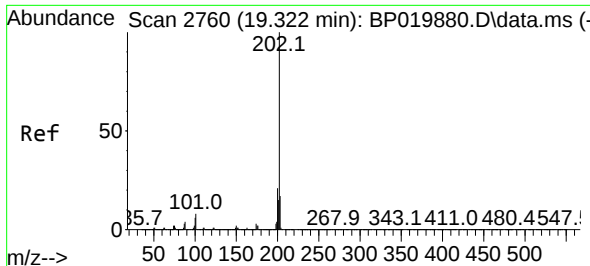
03/01/2024



#71
Phenanthrene
Concen: 2.751 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Tgt Ion:178 Resp: 74499
Ion Ratio Lower Upper
178 100
176 19.8 15.2 22.8
179 17.3 12.5 18.7





#75
Fluoranthene
Concen: 4.141 ng
RT: 19.316 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

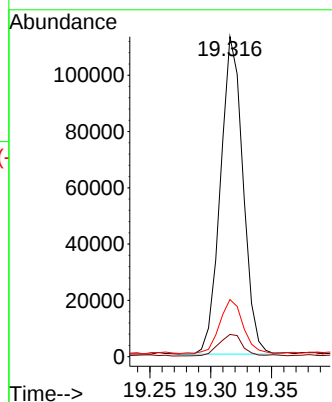
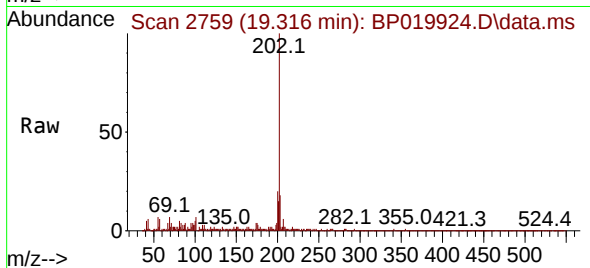
OK-02-022724

Tgt Ion:202 Resp: 145510
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.7
203 17.9 0.0 37.5

Manual Integrations

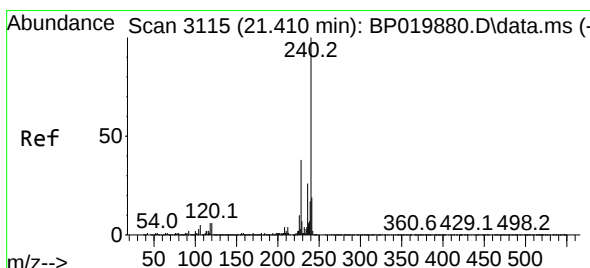
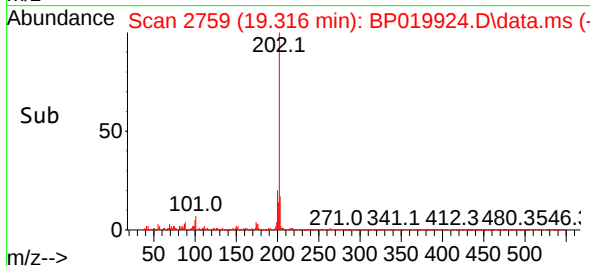
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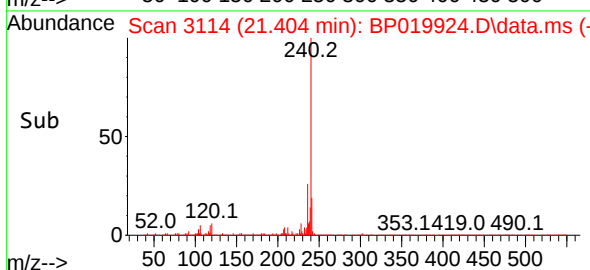
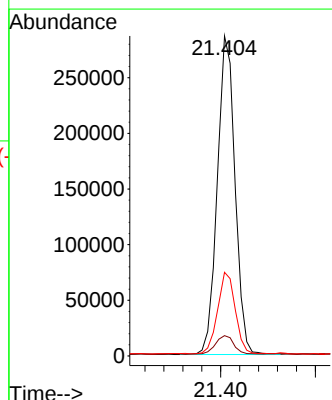
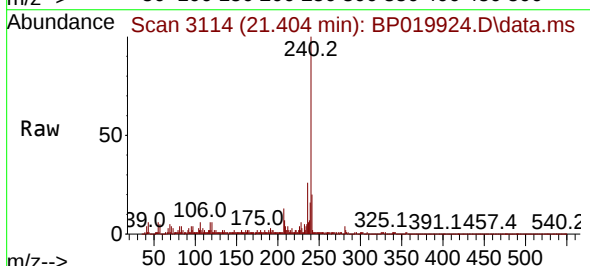
02/29/2024
Supervised By :mohammad
ahmed

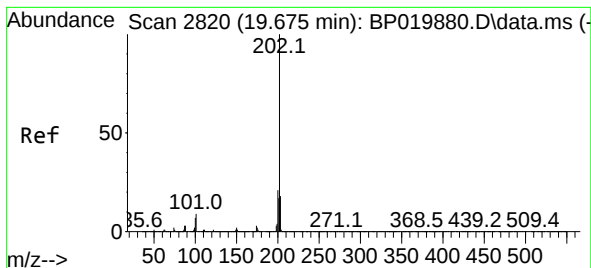
03/01/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Tgt Ion:240 Resp: 372050
Ion Ratio Lower Upper
240 100
120 6.4 5.1 7.7
236 26.2 20.5 30.7





#78

Pyrene

Concen: 5.071 ng

RT: 19.669 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

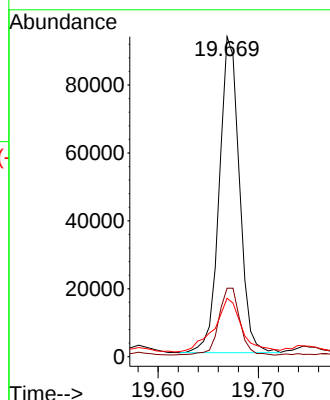
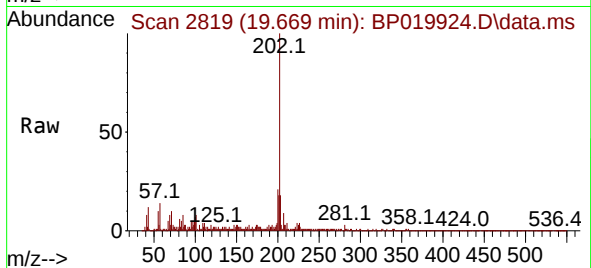
OK-02-022724

Tgt Ion:202	Resp: 12962
Ion Ratio	Lower Upper
202 100	
200 21.4	16.7 25.1
203 18.3	14.2 21.2

Manual Integrations

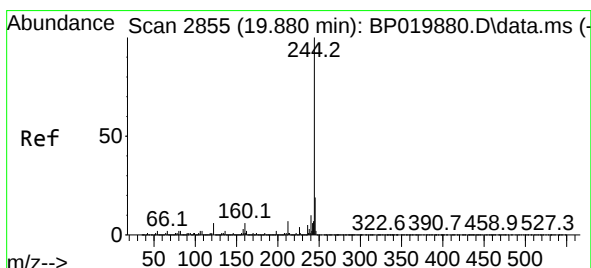
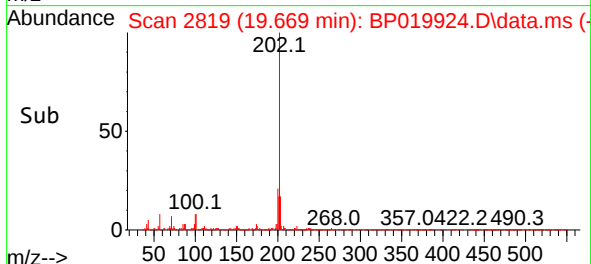
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#79

Terphenyl-d14

Concen: 11.578 ng

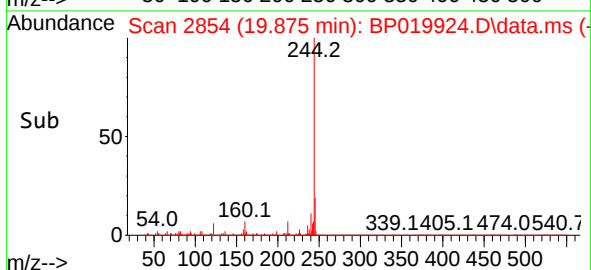
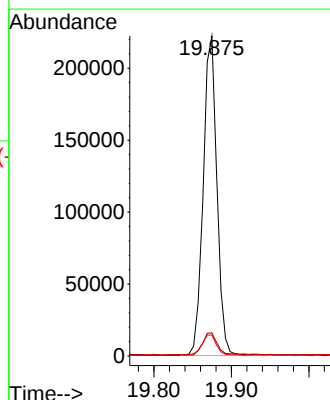
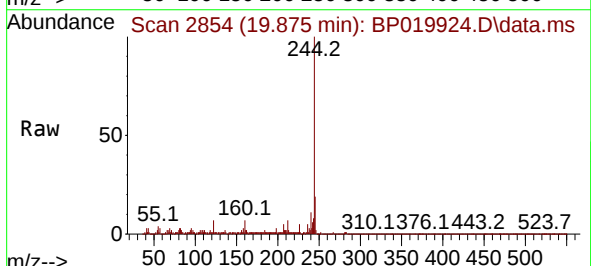
RT: 19.875 min Scan# 2854

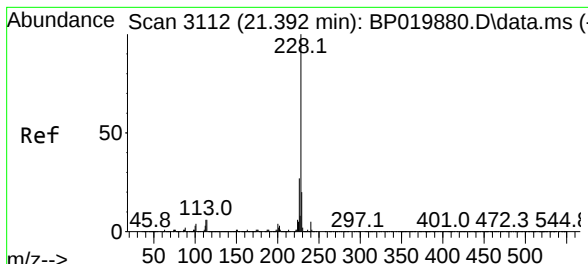
Delta R.T. -0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Tgt Ion:244	Resp: 273304
Ion Ratio	Lower Upper
244 100	
212 7.2	5.8 8.8
122 6.5	5.0 7.6



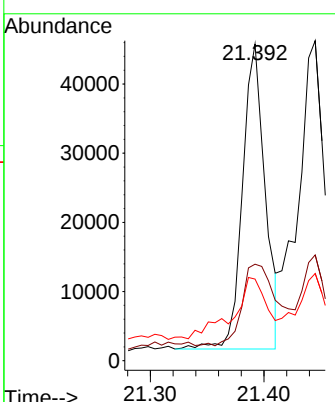
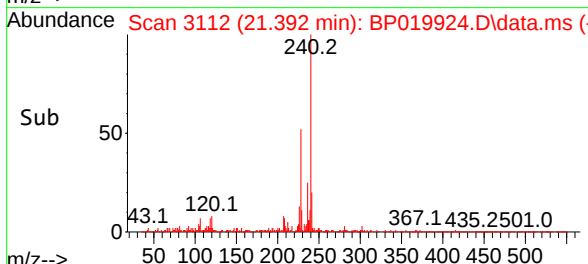
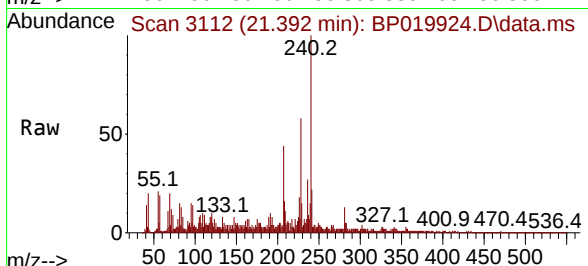


#81
 Benzo(a)anthracene
 Concen: 2.323 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. 0.000 min
 Lab File: BP019924.D
 Acq: 28 Feb 2024 19:27

Instrument : BNA_P
 ClientSampleId : OK-02-022724

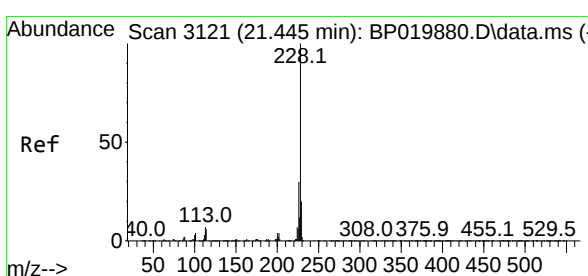
Tgt Ion:	228	Resp:	6135
Ion Ratio	Lower	Upper	
228	100		
226	30.5	21.5	32.3
229	25.8	15.6	23.4

Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024



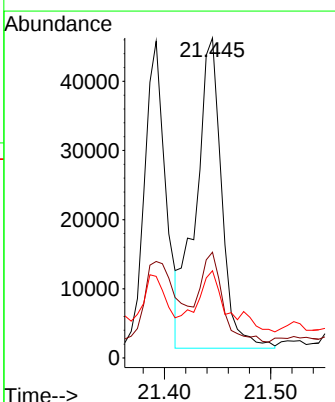
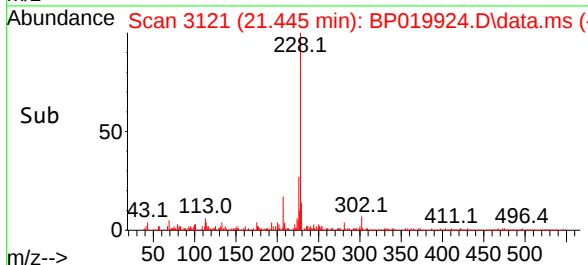
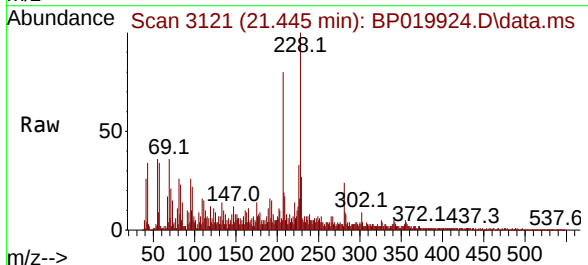
02/29/2024
 Supervised By :mohammad ahmed

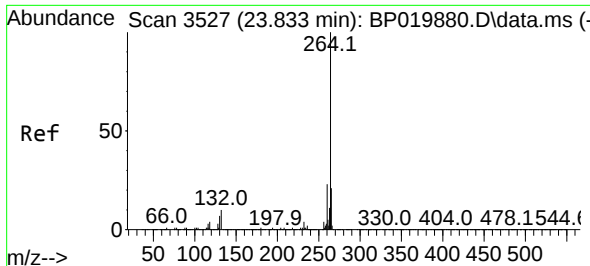
03/01/2024



#83
 Chrysene
 Concen: 3.081 ng m
 RT: 21.445 min Scan# 3121
 Delta R.T. 0.000 min
 Lab File: BP019924.D
 Acq: 28 Feb 2024 19:27

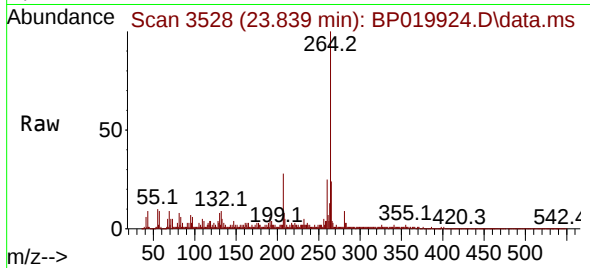
Tgt Ion:	228	Resp:	76239
Ion Ratio	Lower	Upper	
228	100		
226	33.1	23.9	35.9
229	27.2	15.7	23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.839 min Scan# 3527
Delta R.T. 0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

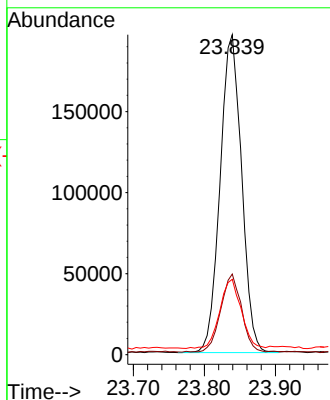
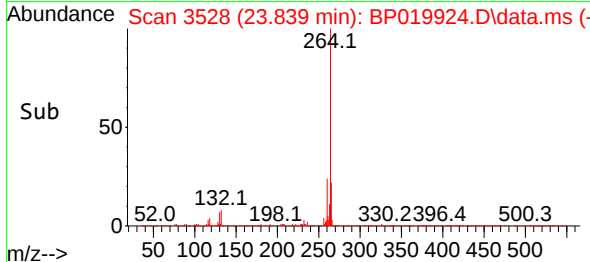
Instrument :
BNA_P
ClientSampleId :
OK-02-022724



Tgt Ion:264 Resp: 411890
Ion Ratio Lower Upper
264 100
260 25.2 18.7 28.1
265 23.6 17.4 26.2

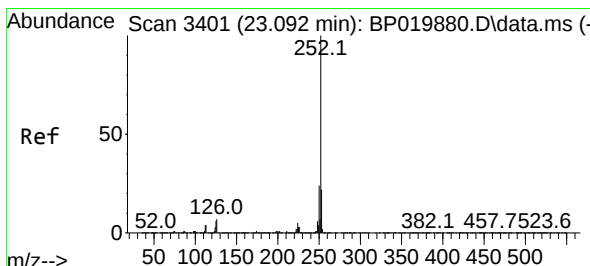
Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



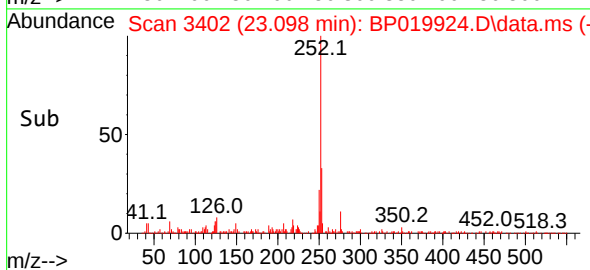
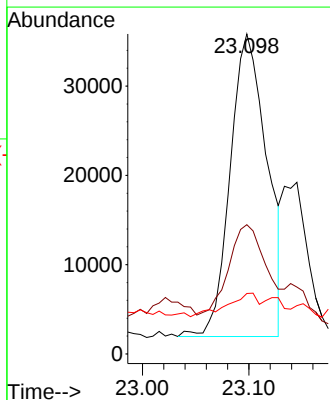
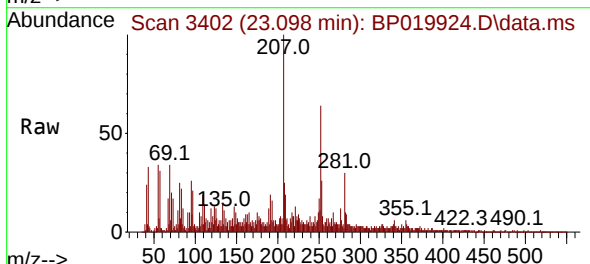
02/29/2024
Supervised By :mohammad
ahmed

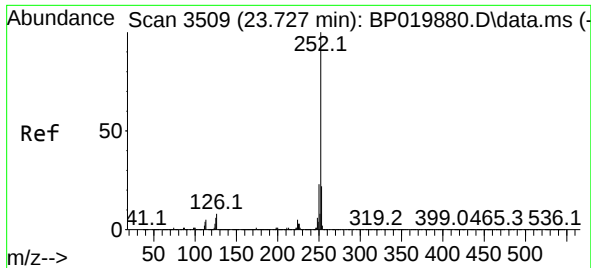
03/01/2024



#88
Benzo(b)fluoranthene
Concen: 3.219 ng
RT: 23.098 min Scan# 3402
Delta R.T. 0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

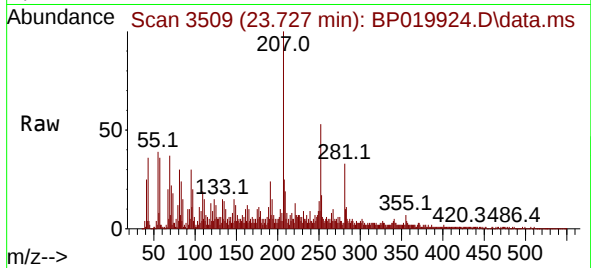
Tgt Ion:252 Resp: 81296
Ion Ratio Lower Upper
252 100
253 40.4 17.6 26.4#
125 18.9 4.6 7.0#





#90
Benzo(a)pyrene
Concen: 2.283 ng
RT: 23.727 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

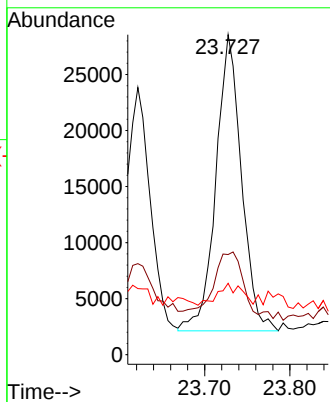
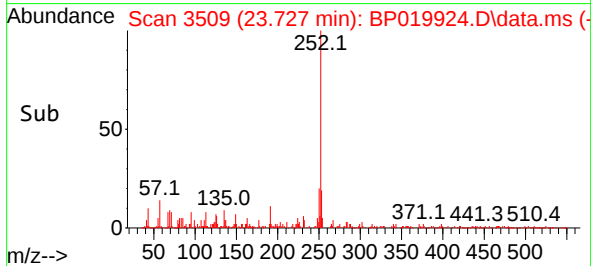
Instrument :
BNA_P
ClientSampleId :
OK-02-022724



Tgt Ion:252 Resp: 55094
Ion Ratio Lower Upper
252 100
253 31.3 17.5 26.3
125 22.3 5.2 7.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



02/29/2024
Supervised By :mohammad
ahmed

03/01/2024