

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042469.D
 Acq On : 27 Oct 2023 01:19
 Operator : MA/JU
 Sample : 05011-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200027

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 27 02:06:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	190021	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	712076	20.000	ng	-0.01
39) Acenaphthene-d10	14.645	164	295363	20.000	ng	0.00
64) Phenanthrene-d10	17.421	188	275360	20.000	ng	# 0.02
76) Chrysene-d12	21.580	240	475067	20.000	ng	0.00
86) Perylene-d12	24.038	264	583080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	453343	33.718	ng	0.00
7) Phenol-d6	7.145	99	585439	32.492	ng	0.00
23) Nitrobenzene-d5	9.186	82	387456	24.061	ng	-0.01
42) 2,4,6-Tribromophenol	16.151	330	95854	36.540	ng	0.01
45) 2-Fluorobiphenyl	13.257	172	664982	30.318	ng	-0.01
79) Terphenyl-d14	20.021	244	490509	18.311	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.469	142	84088	3.415	ng	97
38) 1-Methylnaphthalene	12.469	142	84088	3.646	ng	99
52) Acenaphthene	14.710	154	96358	5.743	ng	# 82
55) Dibenzofuran	15.045	168	322981	12.170	ng	# 87
58) Fluorene	15.704	166	314265	15.007	ng	# 86
71) Phenanthrene	17.468	178	1707670	113.999	ng	# 94
72) Anthracene	17.556	178	283716	19.124	ng	# 71
73) Carbazole	17.833	167	130534	9.379	ng	# 35
75) Fluoranthene	19.480	202	1045411	63.367	ng	90
78) Pyrene	19.845	202	803034	24.190	ng	# 92
81) Benzo(a)anthracene	21.568	228	359976	11.303	ng	# 94
83) Chrysene	21.621	228	440008	14.385	ng	# 93
84) Bis(2-ethylhexyl)phtha...	21.433	149	233742	13.528	ng	# 84
85) Di-n-octyl phthalate	22.380	149	89608	6.435	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.609	276	132961	3.120	ng	# 92
88) Benzo(b)fluoranthene	23.280	252	376343	10.723	ng	# 93
89) Benzo(k)fluoranthene	23.321	252	130630m	3.585	ng	
90) Benzo(a)pyrene	23.927	252	195636	5.791	ng	# 95
92) Benzo(g,h,i)perylene	27.421	276	126074	3.664	ng	94

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

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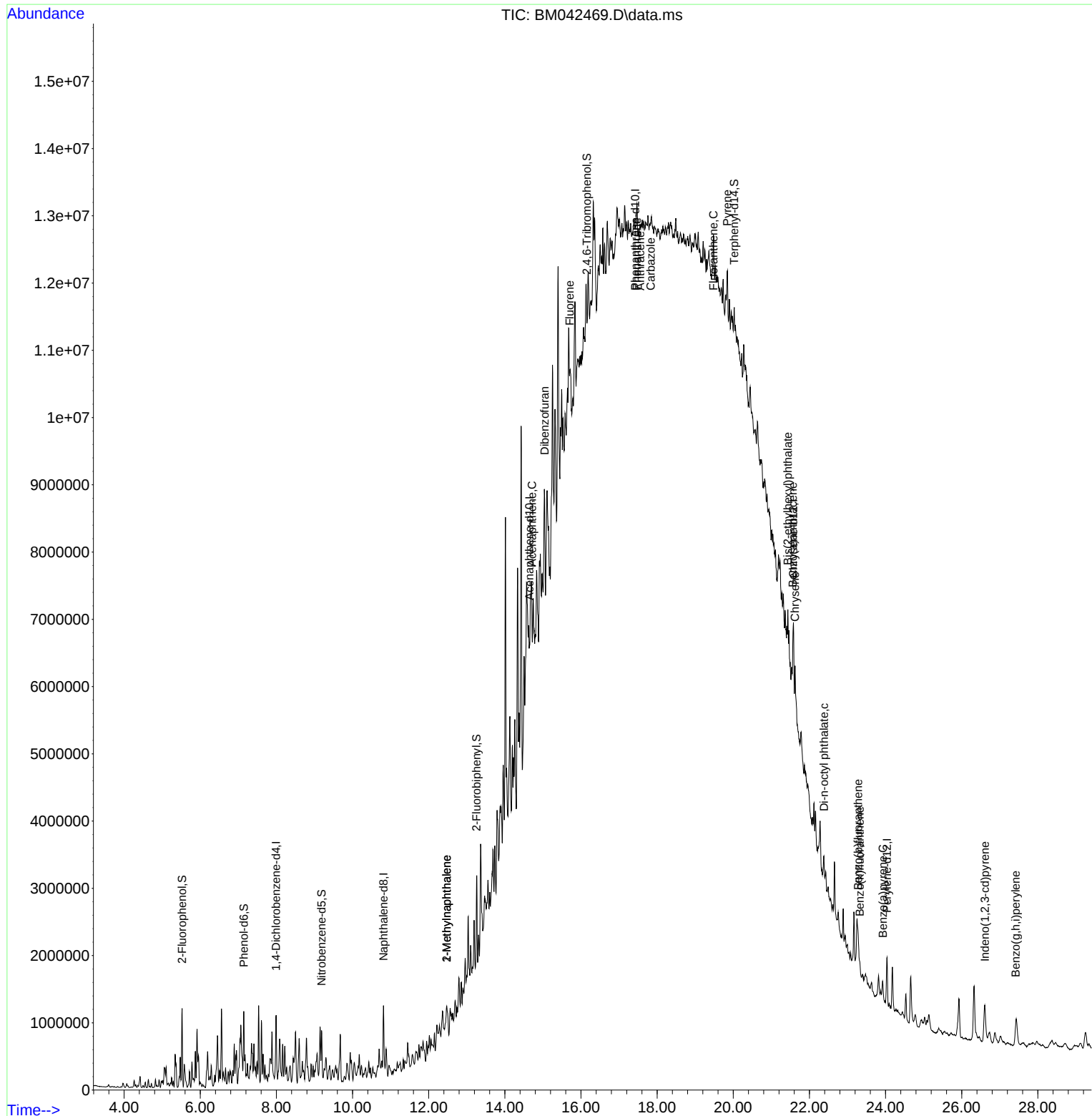
Quant Time: Oct 27 02:06:01 2023

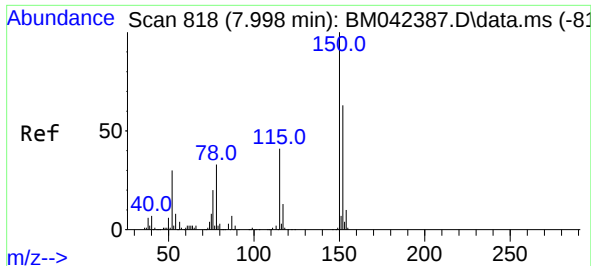
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Oct 21 02:32:53 2023

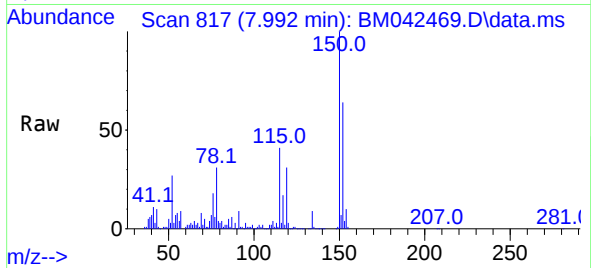
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

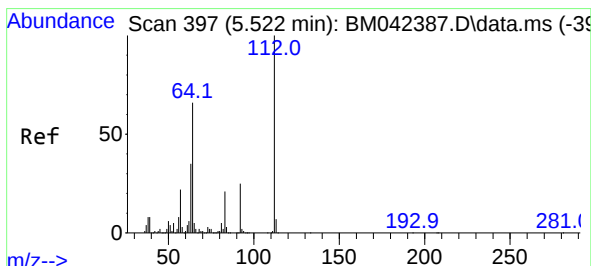
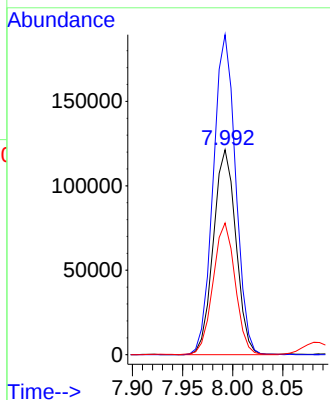
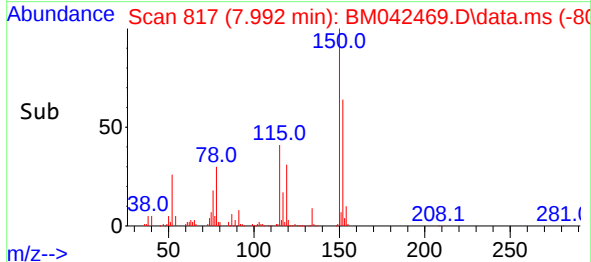
Instrument :
BNA_M
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RBR-200027



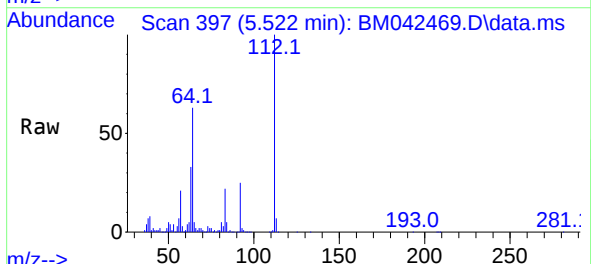
Tgt Ion:152 Resp: 19002
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.4
115 64.2 51.9 77.9

Manual Integrations
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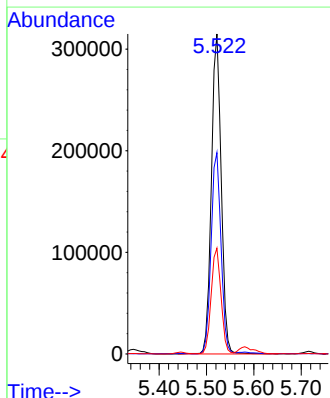
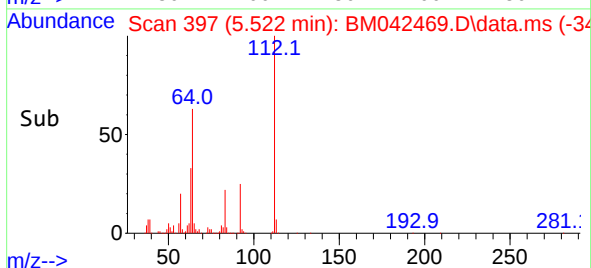
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

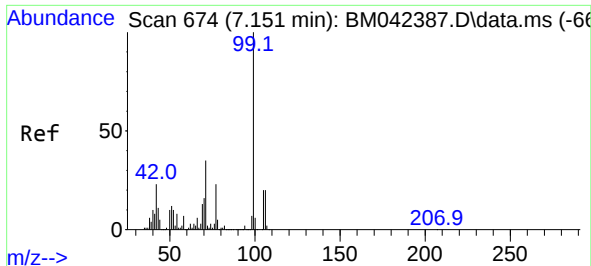


#5
2-Fluorophenol
Concen: 33.718 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19



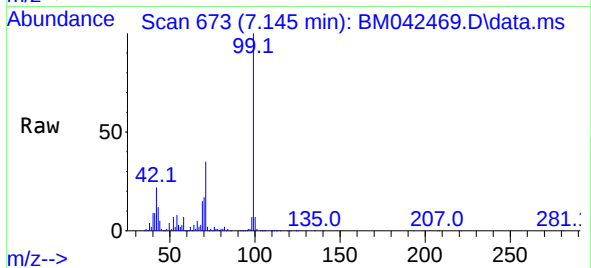
Tgt Ion:112 Resp: 453343
Ion Ratio Lower Upper
112 100
64 62.9 52.7 79.1
63 33.1 28.3 42.5





#7
Phenol-d6
Concen: 32.492 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

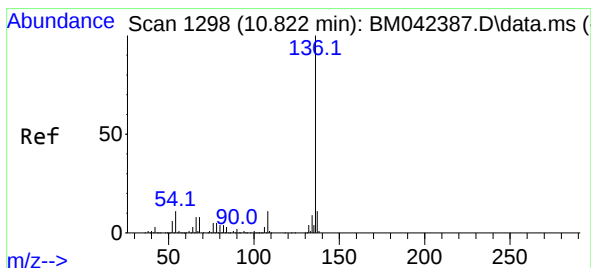
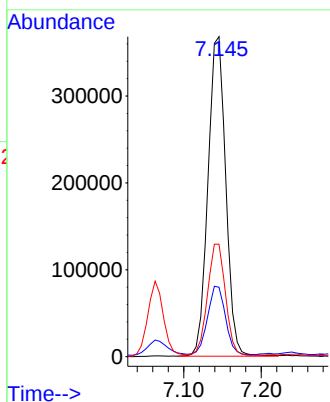
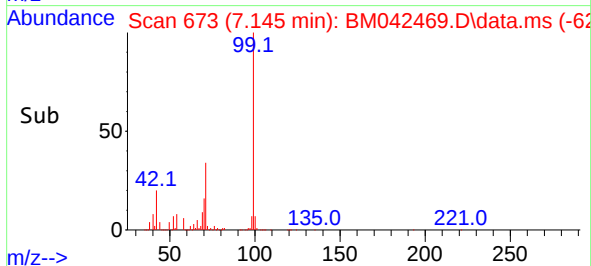
Instrument :
BNA_M
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RBR-200027



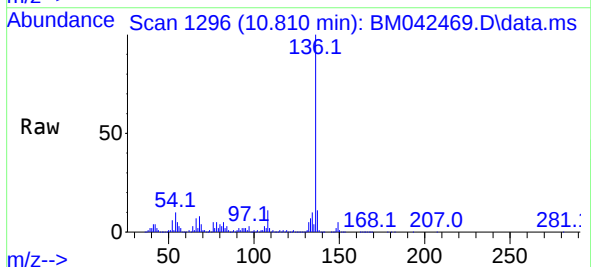
Tgt Ion: 99 Resp: 585439
Ion Ratio Lower Upper
99 100
42 21.7 18.5 27.7
71 35.2 27.7 41.5

Manual Integrations
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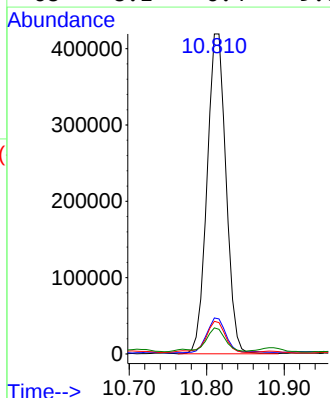
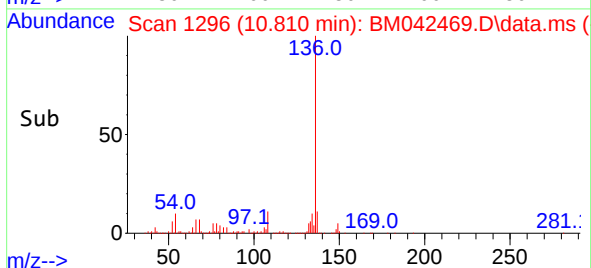
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

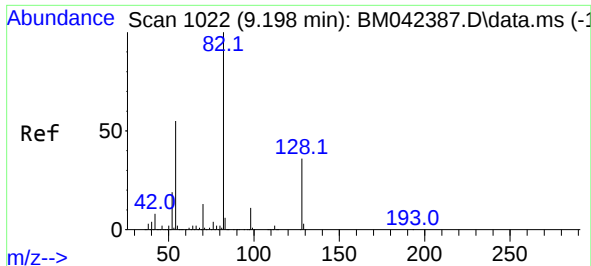


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19



Tgt Ion:136 Resp: 712076
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 10.2 8.6 12.8
68 8.1 6.4 9.6





#23
Nitrobenzene-d5
Concen: 24.061 ng
RT: 9.186 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

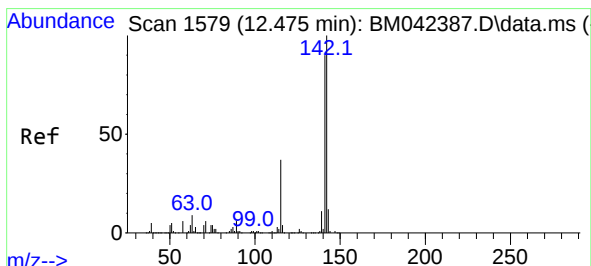
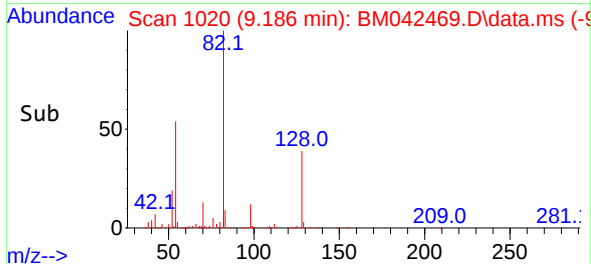
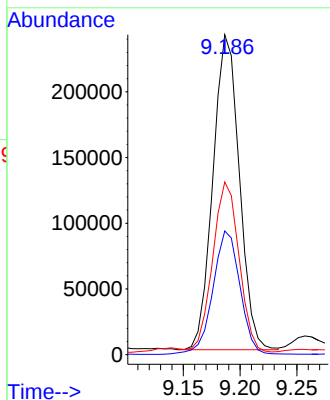
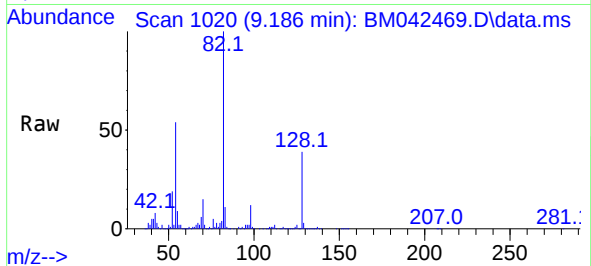
RBR-200027

Tgt Ion: 82 Resp: 387450
Ion Ratio Lower Upper
82 100
128 38.7 29.0 43.6
54 53.9 43.7 65.5

Manual Integrations

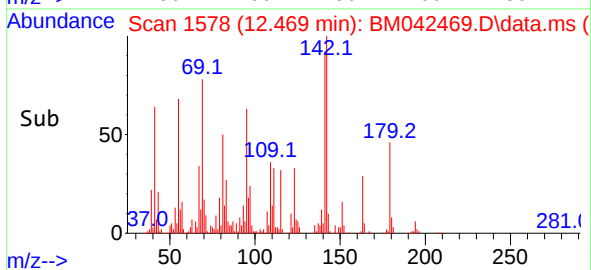
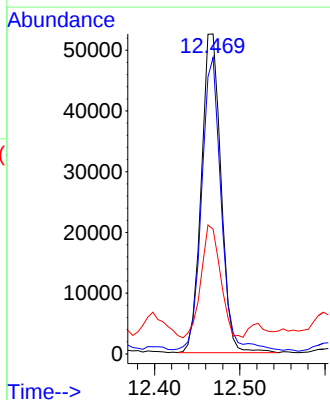
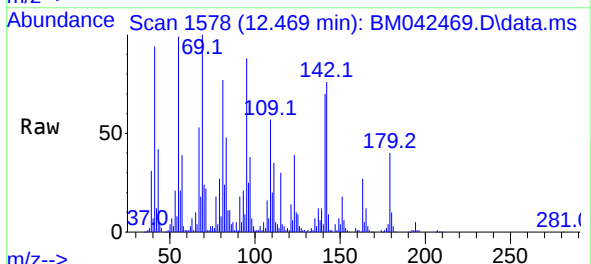
APPROVED

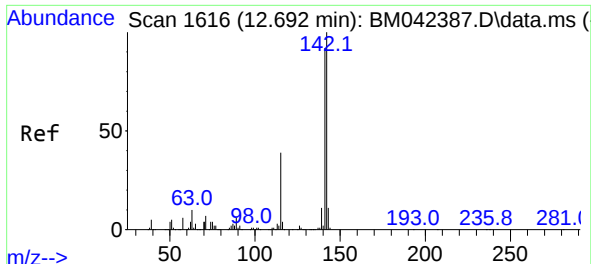
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#37
2-Methylnaphthalene
Concen: 3.415 ng
RT: 12.469 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

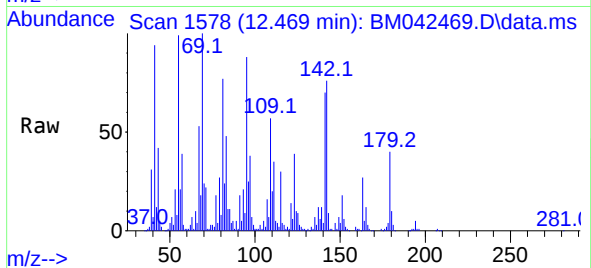
Tgt Ion:142 Resp: 84088
Ion Ratio Lower Upper
142 100
141 92.7 72.0 108.0
115 39.0 29.4 44.2





#38
1-Methylnaphthalene
Concen: 3.646 ng
RT: 12.469 min Scan# 11
Delta R.T. -0.224 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

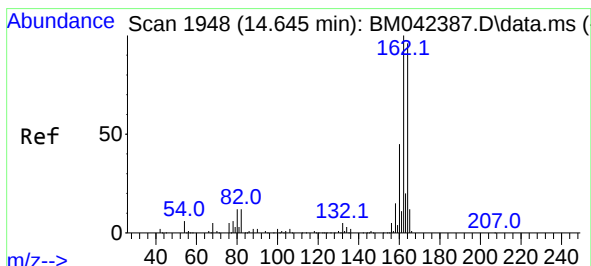
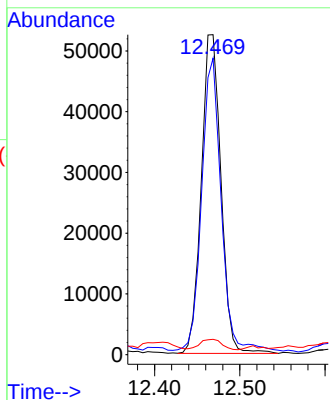
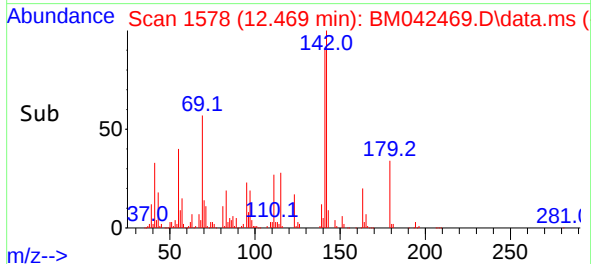
Instrument :
BNA_M
ClientSampleId :
RBR-200027



Tgt Ion:142 Resp: 84088
Ion Ratio Lower Upper
142 100
141 92.7 73.8 110.6
116 4.8 3.3 4.9

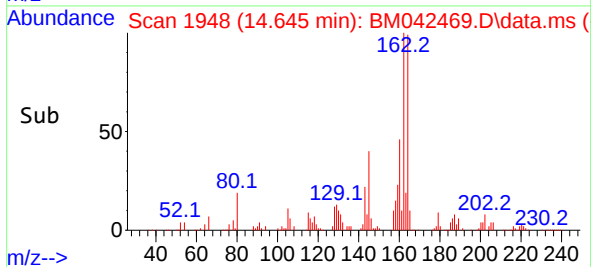
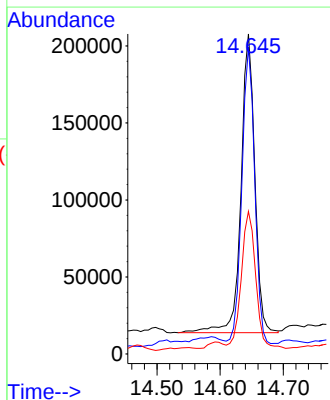
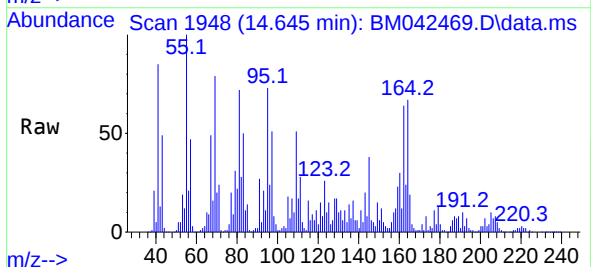
Manual Integrations
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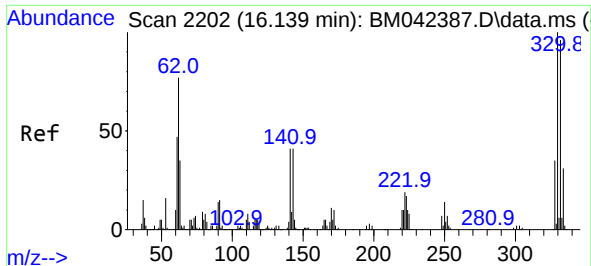
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.645 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion:164 Resp: 295363
Ion Ratio Lower Upper
164 100
162 95.8 83.0 124.4
160 44.5 37.0 55.4





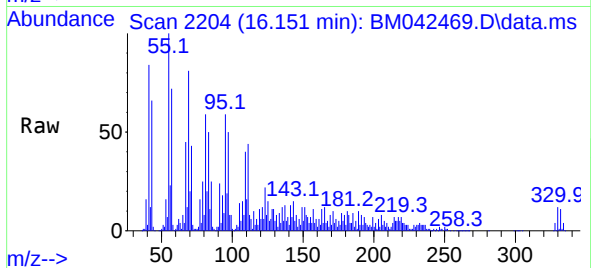
#42
2,4,6-Tribromophenol
Concen: 36.540 ng
RT: 16.151 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027



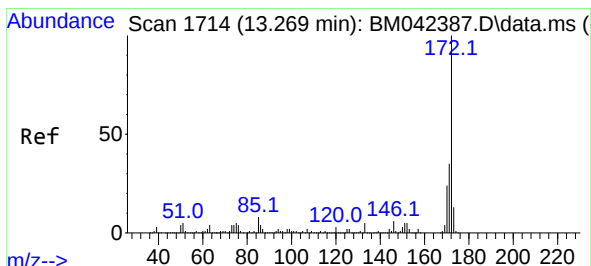
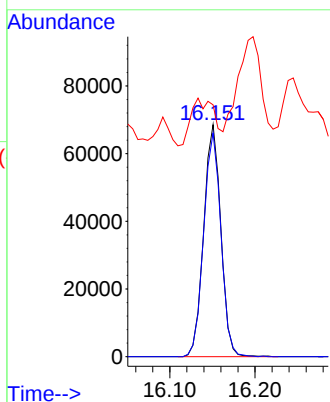
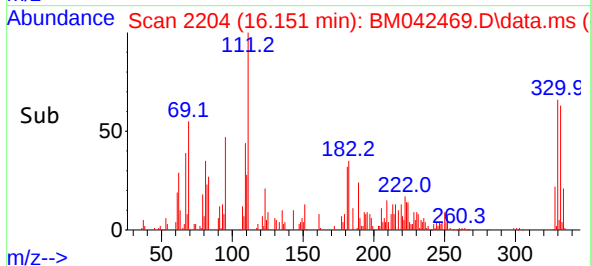
Tgt Ion:330 Resp: 95854
Ion Ratio Lower Upper
330 100
332 97.2 77.6 116.4
141 28.2 38.0 57.0

Manual Integrations

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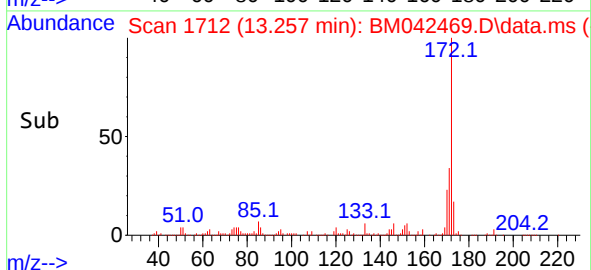
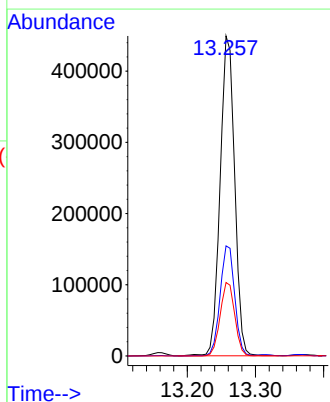
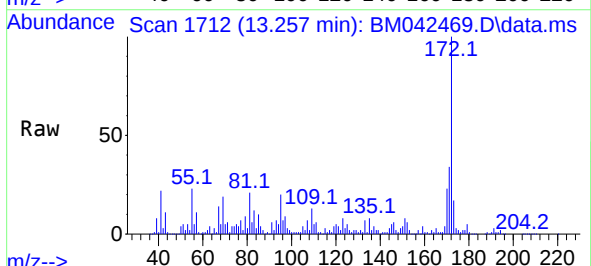
Reviewed By :Yogesh Patel 10/27/2023

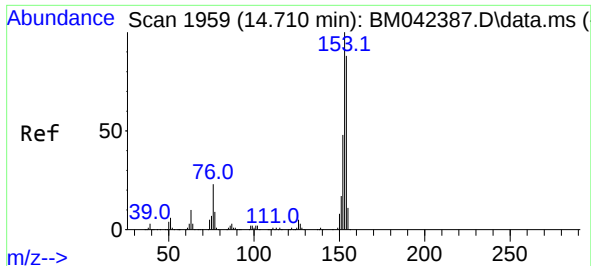
Supervised By :mohammad ahmed 10/27/2023



#45
2-Fluorobiphenyl
Concen: 30.318 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

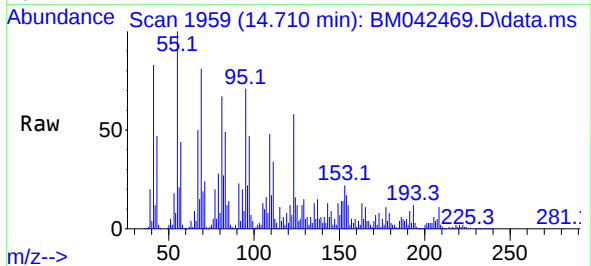
Tgt Ion:172 Resp: 664982
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.0 18.9 28.3





#52
Acenaphthene
Concen: 5.743 ng
RT: 14.710 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

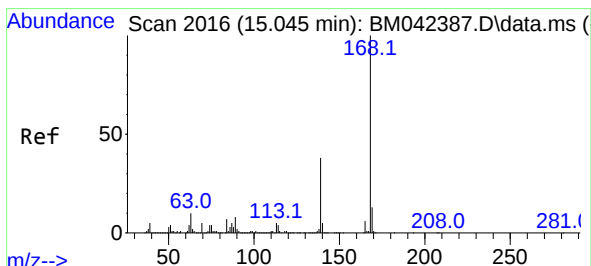
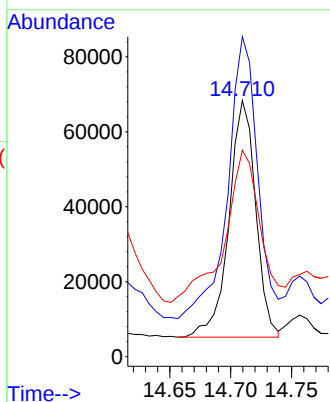
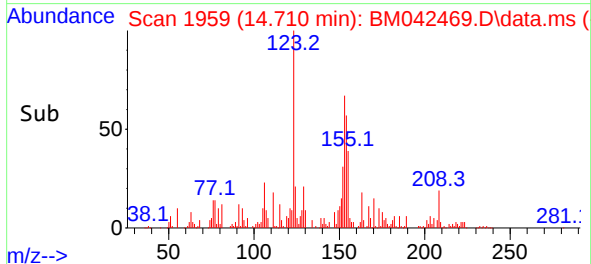
Instrument :
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RBR-200027



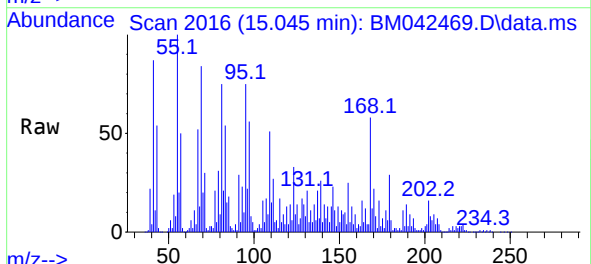
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Ion Ratio Lower Upper
154 100
153 124.9 91.1 136.7
152 80.6 44.0 66.0

Manual Integrations
APPROVED

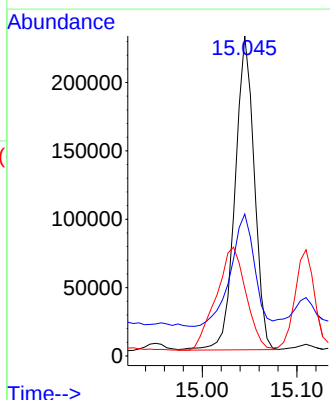
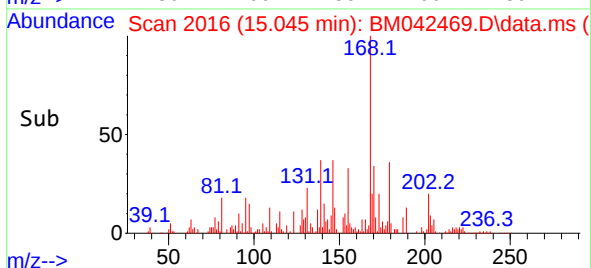
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

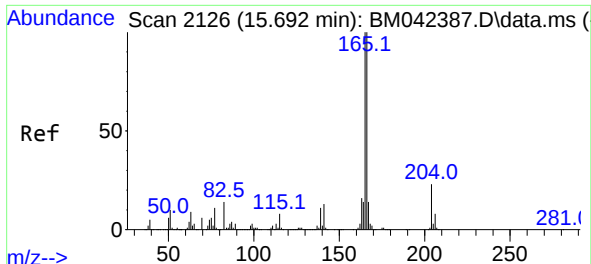


#55
Dibenzofuran
Concen: 12.170 ng
RT: 15.045 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19



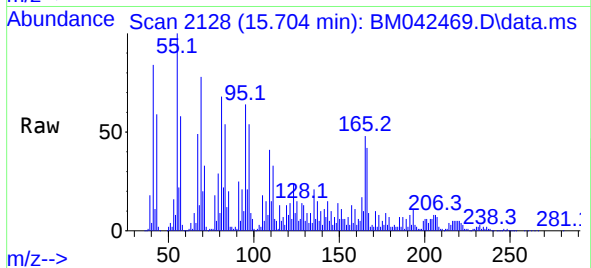
Tgt Ion:168 Resp: 322981
Ion Ratio Lower Upper
168 100
139 44.4 30.6 46.0
169 21.2 10.4 15.6





#58
Fluorene
Concen: 15.007 ng
RT: 15.704 min Scan# 2126
Delta R.T. 0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

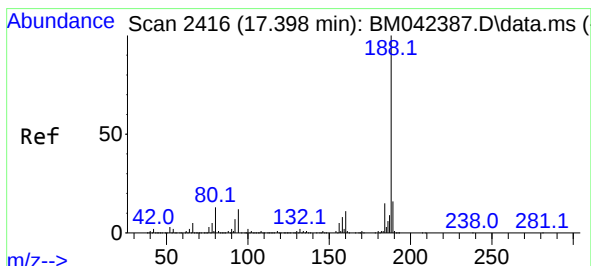
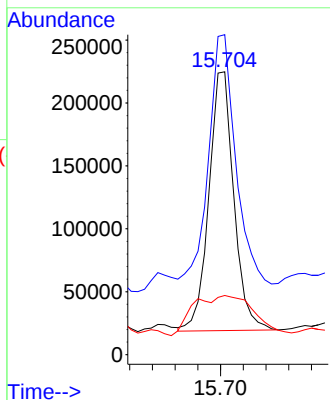
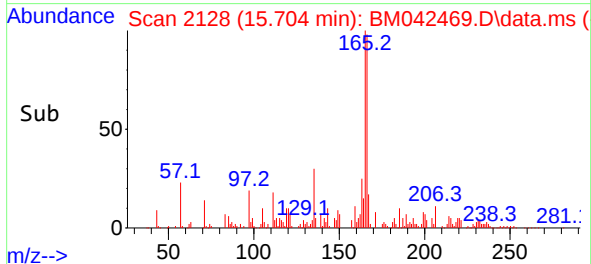
Instrument :
BNA_M
ClientSampleId :
RBR-200027



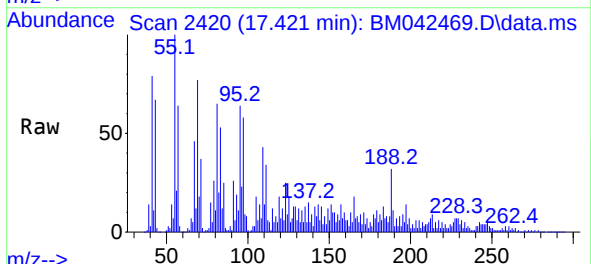
Tgt Ion:166 Resp: 31426
Ion Ratio Lower Upper
166 100
165 113.1 79.6 119.4
167 20.9 10.9 16.3

Manual Integrations
APPROVED

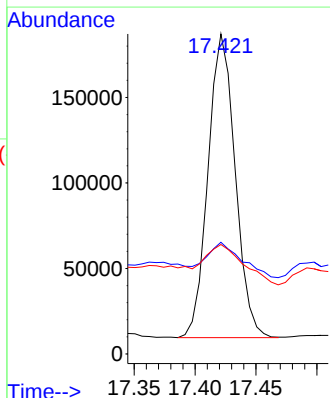
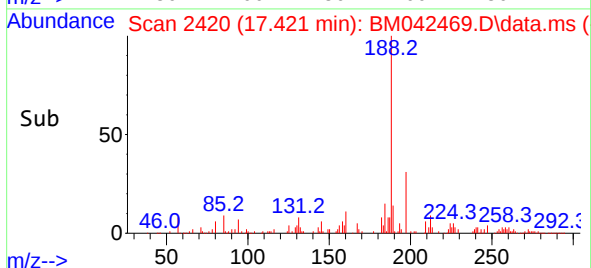
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

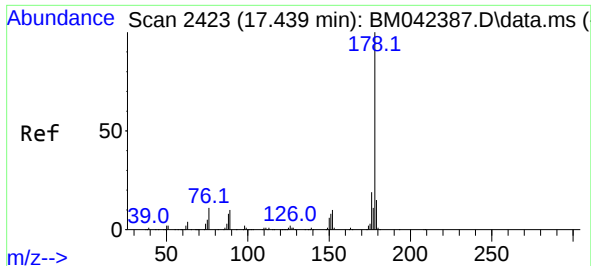


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.421 min Scan# 2420
Delta R.T. 0.023 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19



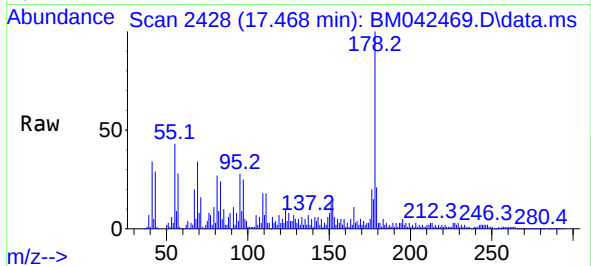
Tgt Ion:188 Resp: 275360
Ion Ratio Lower Upper
188 100
94 34.9 9.4 14.0#
80 34.2 10.7 16.1#





#71
Phenanthrene
Concen: 113.999 ng
RT: 17.468 min Scan# 2428
Delta R.T. 0.029 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

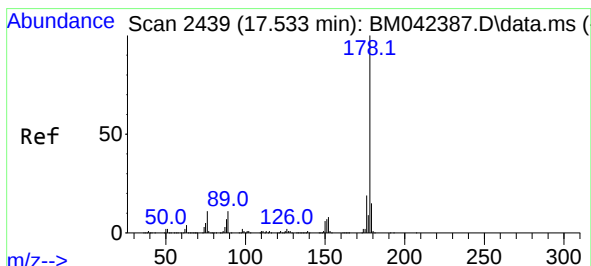
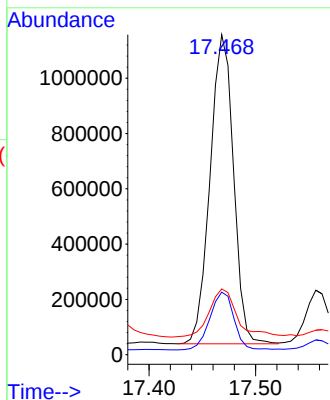
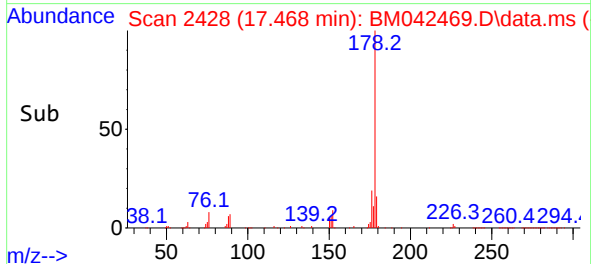
Instrument :
BNA_M
ClientSampleId :
RBR-200027



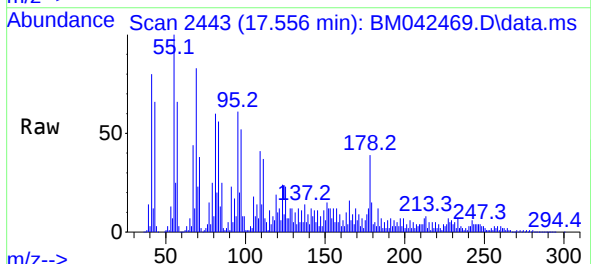
Tgt Ion:178 Resp: 1707670
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 20.5 12.3 18.5

Manual Integrations
APPROVED

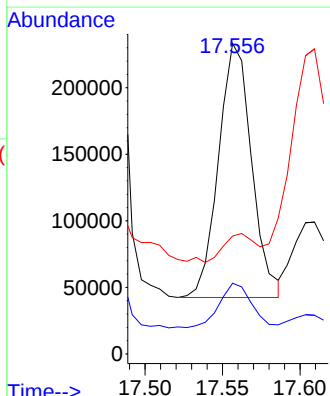
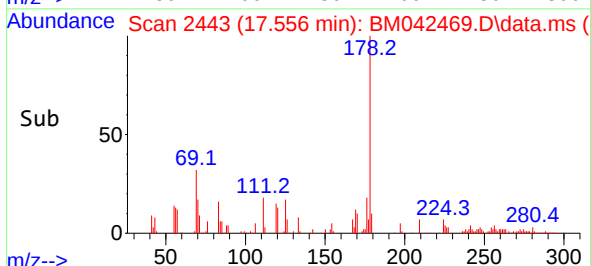
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

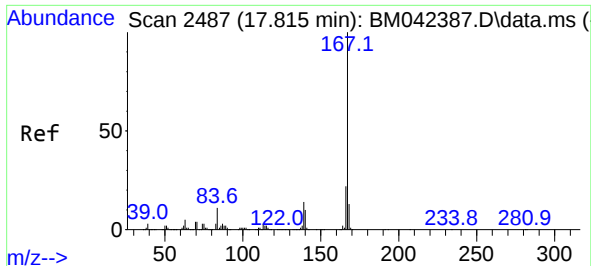


#72
Anthracene
Concen: 19.124 ng
RT: 17.556 min Scan# 2443
Delta R.T. 0.023 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19



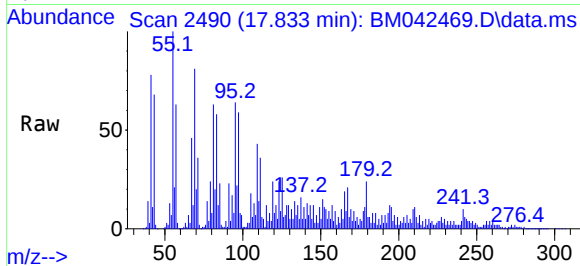
Tgt Ion:178 Resp: 283716
Ion Ratio Lower Upper
178 100
176 22.8 15.4 23.0
179 37.9 12.1 18.1





#73
 Carbazole
 Concen: 9.379 ng
 RT: 17.833 min Scan# 2487
 Delta R.T. 0.018 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19

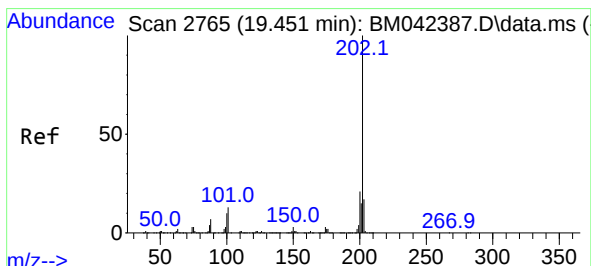
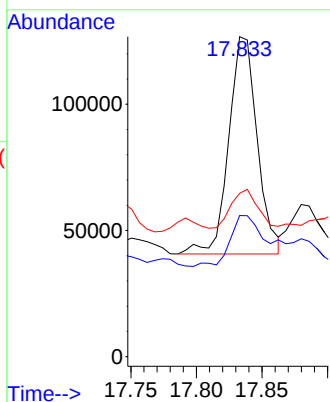
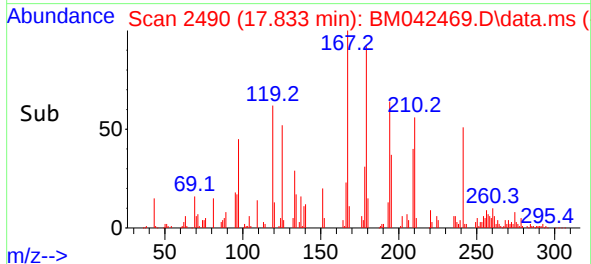
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200027



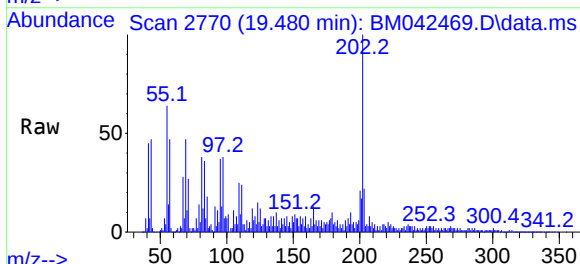
Tgt Ion:167 Resp: 130534
 Ion Ratio Lower Upper
 167 100
 166 44.1 17.4 26.0
 139 51.1 10.9 16.3

Manual Integrations
 APPROVED

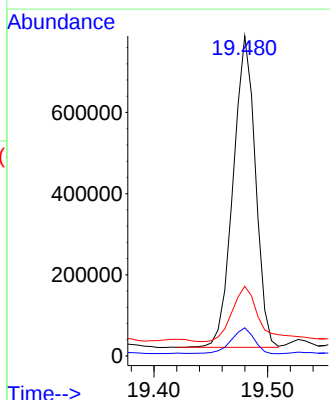
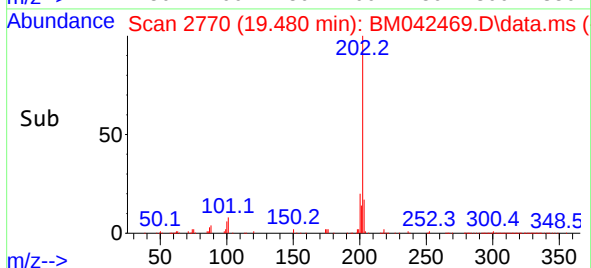
Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

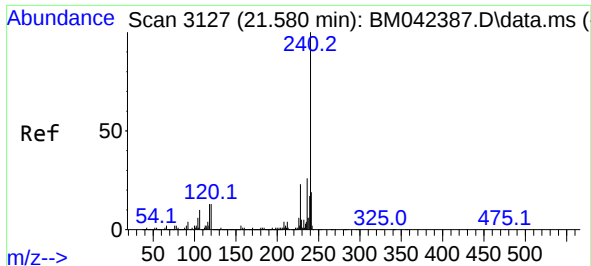


#75
 Fluoranthene
 Concen: 63.367 ng
 RT: 19.480 min Scan# 2770
 Delta R.T. 0.029 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19



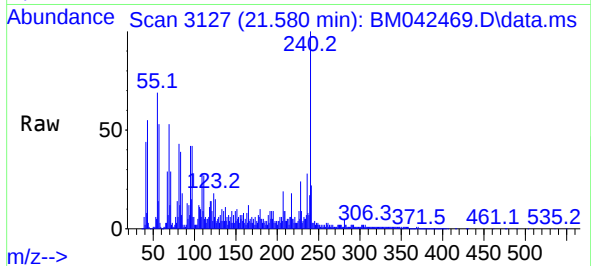
Tgt Ion:202 Resp: 1045411
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 33.3
 203 21.8 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

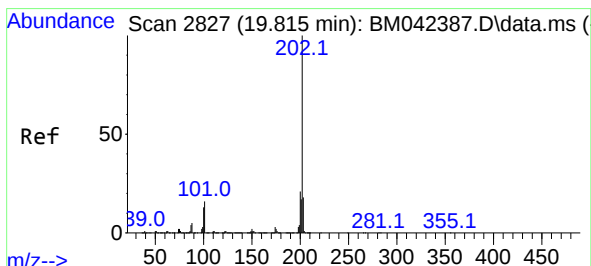
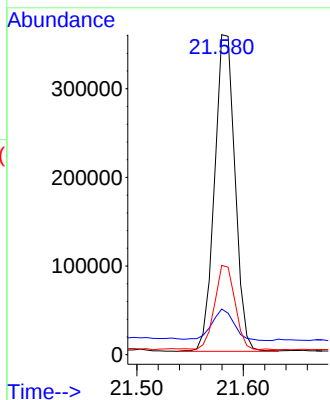
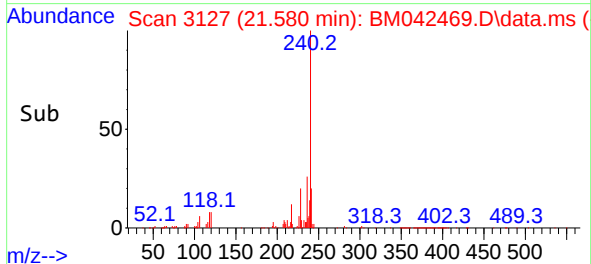
Instrument :
BNA_M
ClientSampleId :
RBR-200027



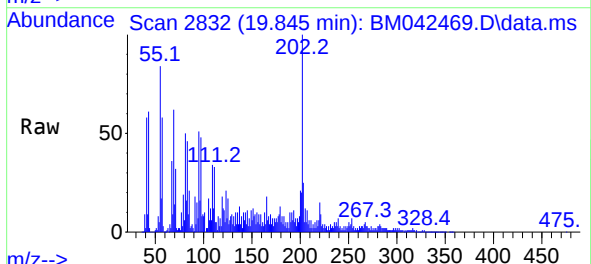
Tgt Ion:240 Resp: 475061
Ion Ratio Lower Upper
240 100
120 14.3 10.7 16.1
236 27.9 20.7 31.1

Manual Integrations
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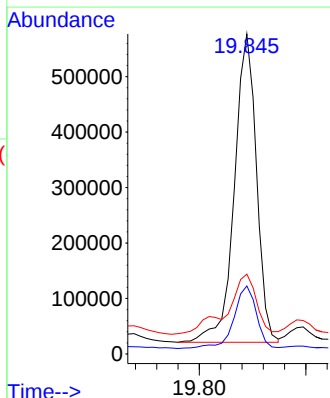
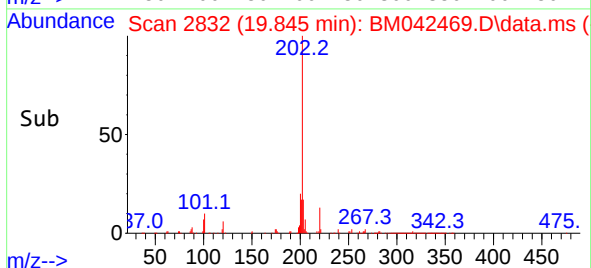
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

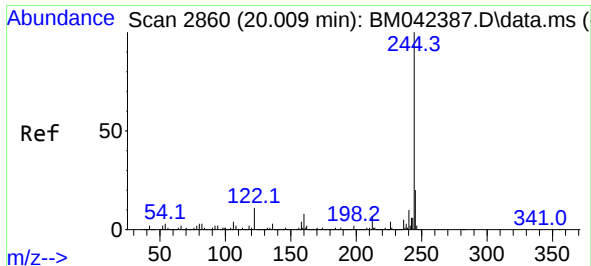


#78
Pyrene
Concen: 24.190 ng
RT: 19.845 min Scan# 2832
Delta R.T. 0.029 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19



Tgt Ion:202 Resp: 803034
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 25.0 14.1 21.1#





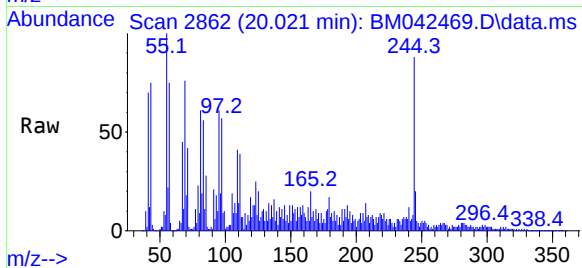
#79
Terphenyl-d14
Concen: 18.311 ng
RT: 20.021 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

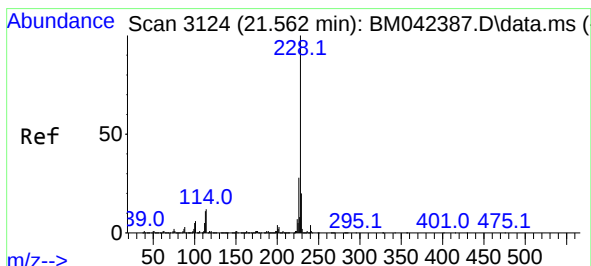
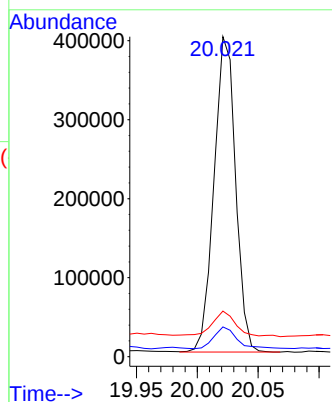
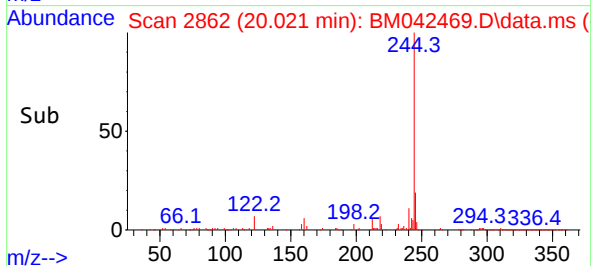


Tgt Ion:244 Resp: 490509
Ion Ratio Lower Upper
244 100
212 9.3 5.6 8.4
122 14.3 8.8 13.2

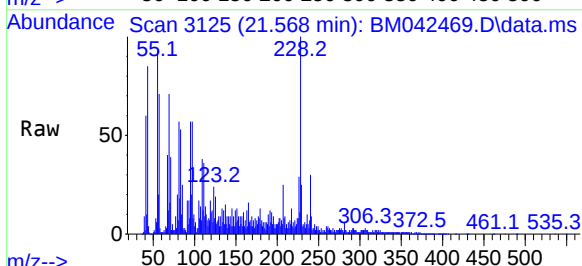
Manual Integrations

APPROVED

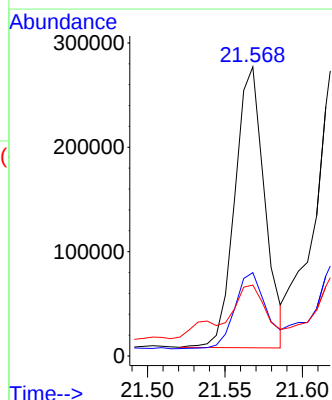
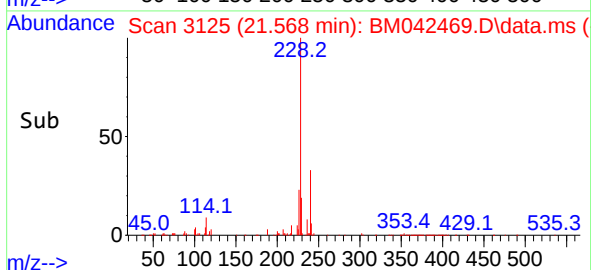
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

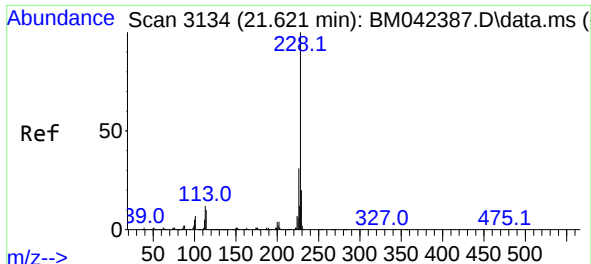


#81
Benzo(a)anthracene
Concen: 11.303 ng
RT: 21.568 min Scan# 3125
Delta R.T. 0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19



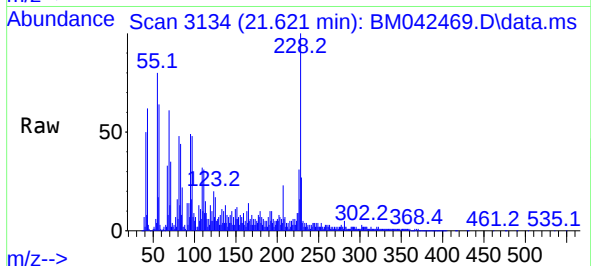
Tgt Ion:228 Resp: 359976
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.4
229 24.5 15.7 23.5





#83
Chrysene
Concen: 14.385 ng
RT: 21.621 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

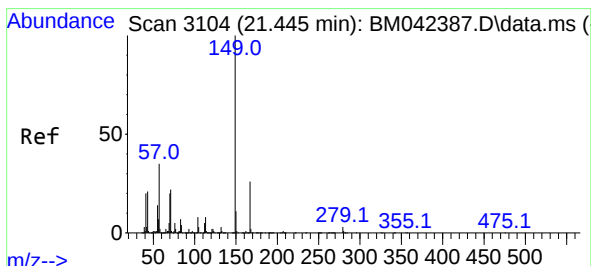
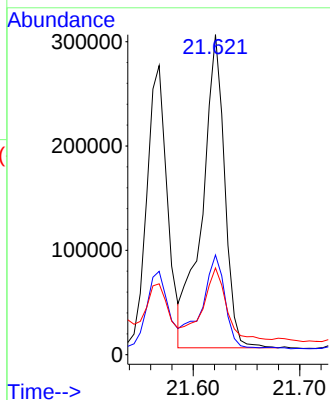
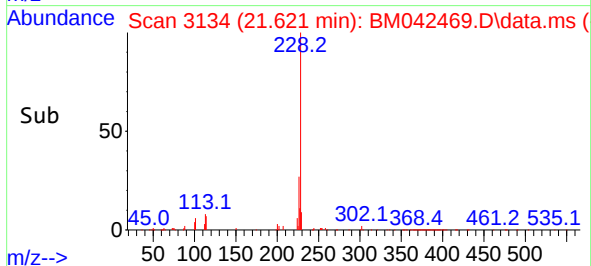
Instrument :
BNA_M
ClientSampleId :
RBR-200027



Tgt Ion:228 Resp: 440000
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 27.1 15.7 23.5

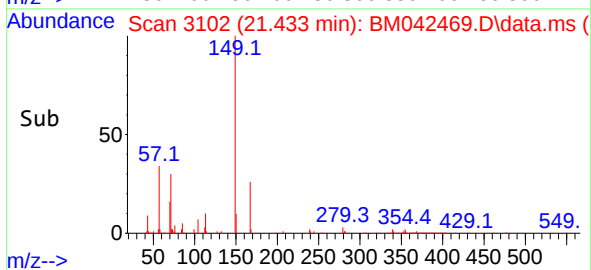
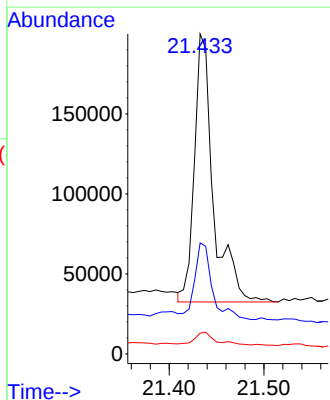
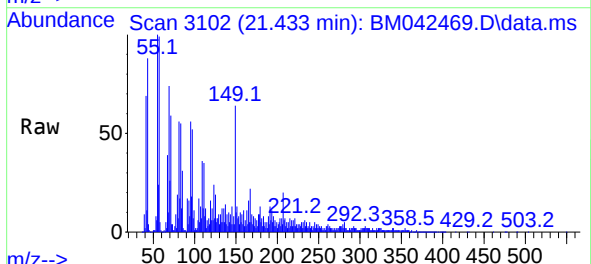
Manual Integrations
APPROVED

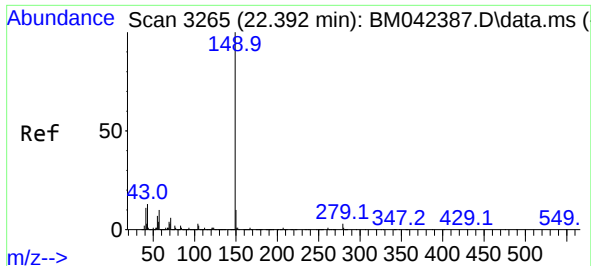
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 13.528 ng
RT: 21.433 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

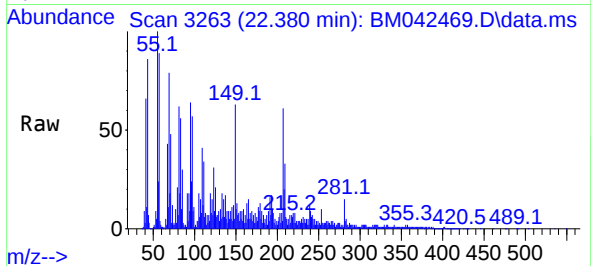
Tgt Ion:149 Resp: 233742
Ion Ratio Lower Upper
149 100
167 34.7 20.9 31.3#
279 6.5 2.7 4.1#





#85
Di-n-octyl phthalate
Concen: 6.435 ng
RT: 22.380 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

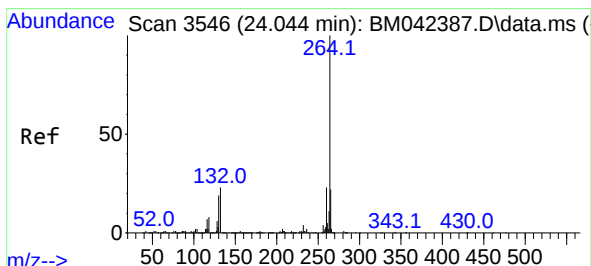
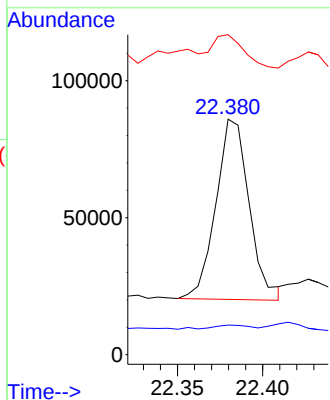
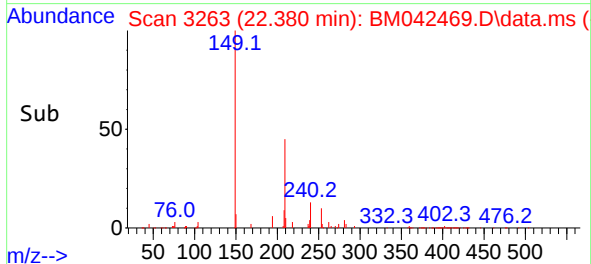
Instrument :
BNA_M
ClientSampleId :
RBR-200027



Tgt Ion:149 Resp: 89608
Ion Ratio Lower Upper
149 100
167 2.3 1.2 1.8
43 15.7 11.0 16.6

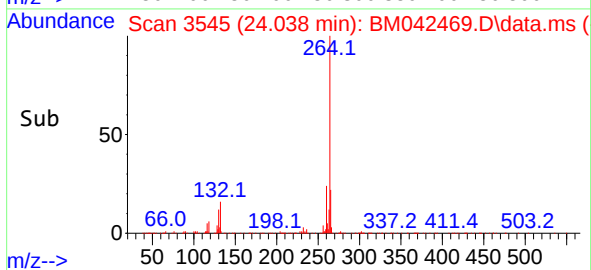
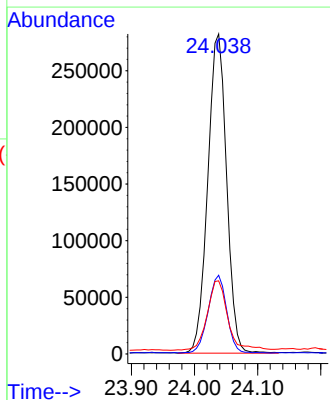
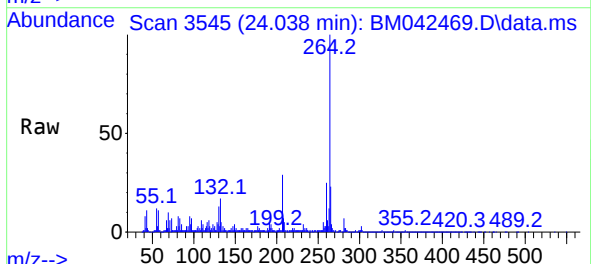
Manual Integrations
APPROVED

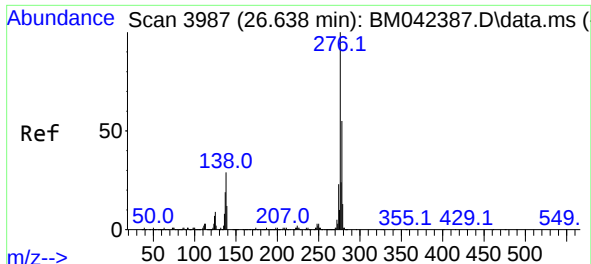
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.038 min Scan# 3545
Delta R.T. -0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

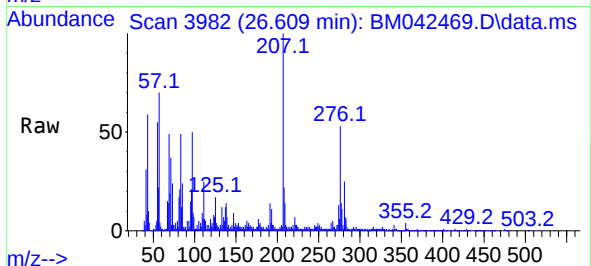
Tgt Ion:264 Resp: 583080
Ion Ratio Lower Upper
264 100
260 24.6 18.6 27.8
265 22.9 17.8 26.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.120 ng
RT: 26.609 min Scan# 3987
Delta R.T. -0.030 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

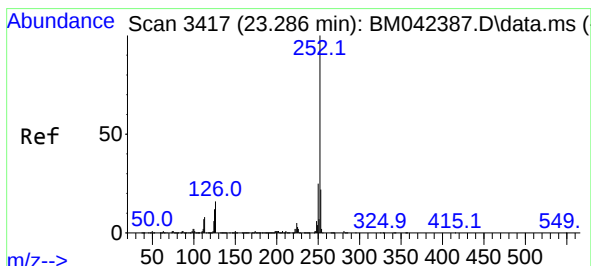
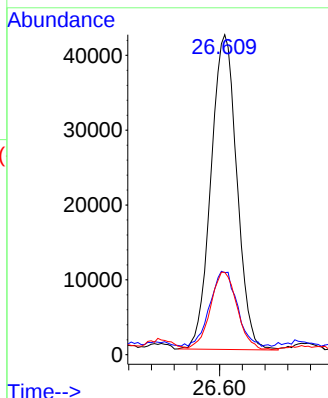
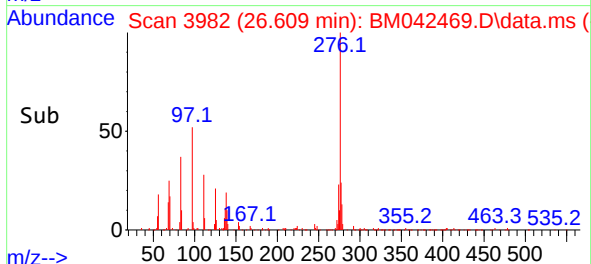
Instrument :
BNA_M
ClientSampleId :
RBR-200027



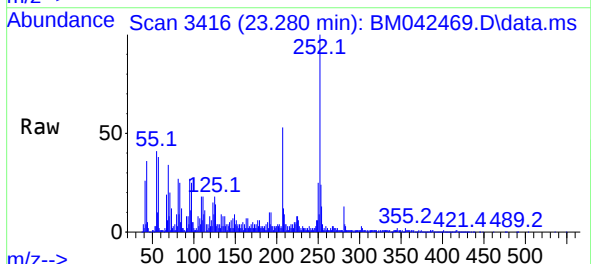
Tgt Ion:276 Resp: 13296
Ion Ratio Lower Upper
276 100
138 24.7 25.6 38.4
277 25.4 20.0 30.0

Manual Integrations
APPROVED

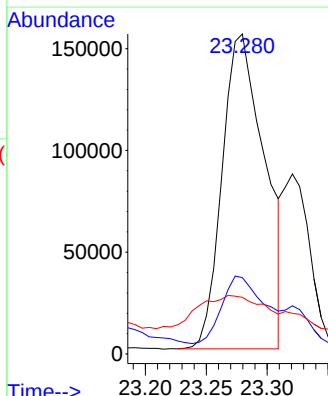
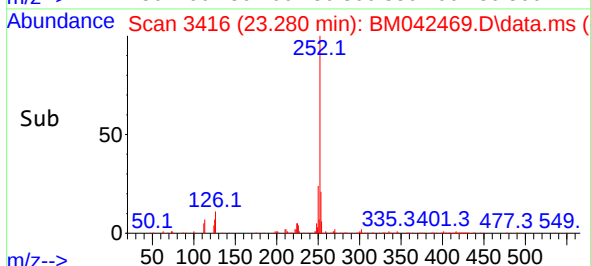
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

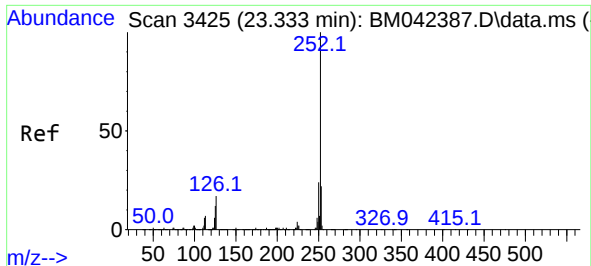


#88
Benzo(b)fluoranthene
Concen: 10.723 ng
RT: 23.280 min Scan# 3416
Delta R.T. -0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19



Tgt Ion:252 Resp: 376343
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 17.7 9.8 14.8





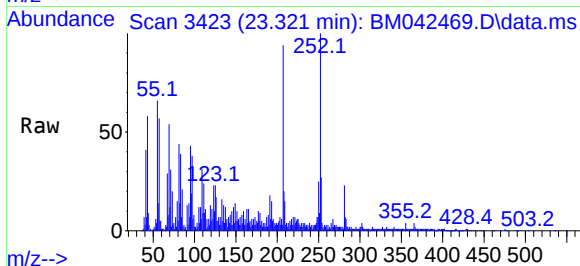
#89
Benzo(k)fluoranthene
Concen: 3.585 ng m
RT: 23.321 min Scan# 3425
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

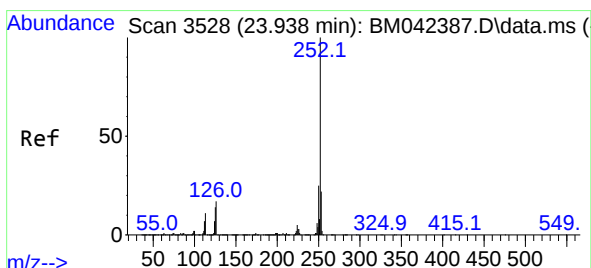
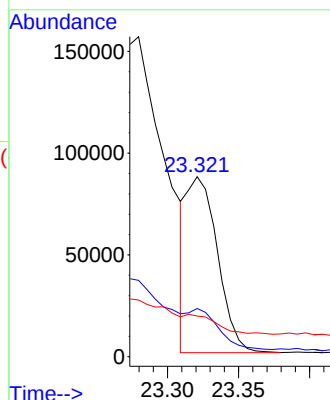
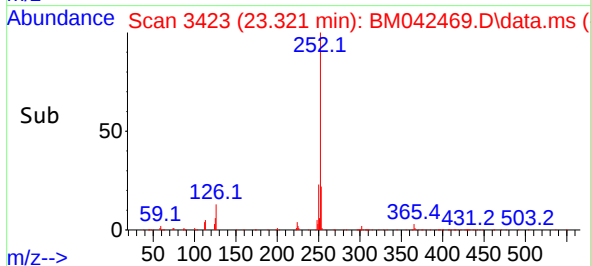


Tgt Ion:252 Resp: 130630
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 22.6 10.2 15.2

Manual Integrations

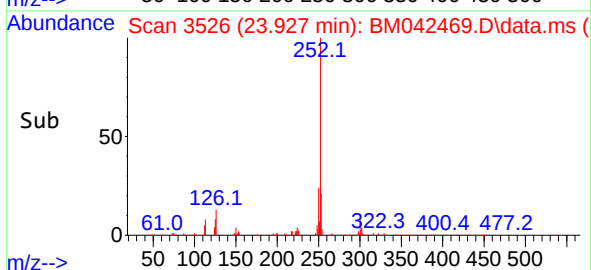
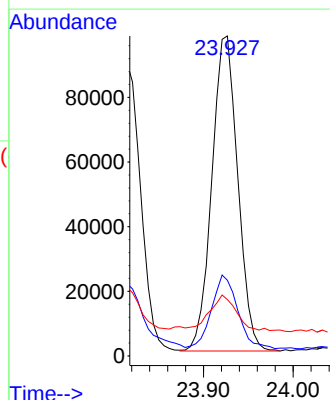
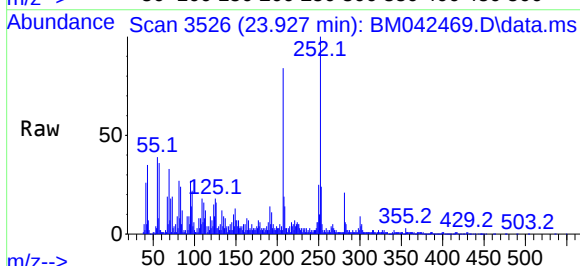
APPROVED

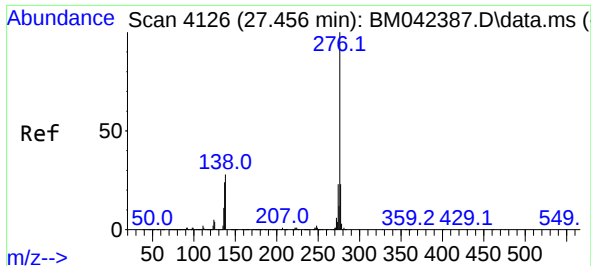
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#90
Benzo(a)pyrene
Concen: 5.791 ng
RT: 23.927 min Scan# 3526
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

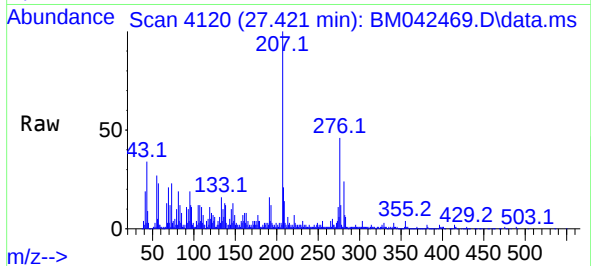
Tgt Ion:252 Resp: 195636
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 17.6 10.9 16.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.664 ng
 RT: 27.421 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200027



Tgt Ion: 276 Resp: 126074
 Ion Ratio Lower Upper
 276 100
 277 25.5 18.3 27.5
 138 25.2 22.6 34.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

