

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121821\
 Data File : BM033532.D
 Acq On : 18 Dec 2021 23:04
 Operator : CG/JU
 Sample : M5018-09RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP2B

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/23/2021
 Supervised By :mohammad ahmed 12/23/2021

Quant Time: Dec 20 07:10:08 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 17:10:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	36898	20.000	ng	-0.02
21) Naphthalene-d8	10.743	136	163956	20.000	ng	-0.01
39) Acenaphthene-d10	14.578	164	118741	20.000	ng	-0.01
64) Phenanthrene-d10	17.319	188	270838	20.000	ng	-0.02
76) Chrysene-d12	21.501	240	226060	20.000	ng	-0.01
86) Perylene-d12	23.918	264	158540	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	239268	111.894	ng	0.00
7) Phenol-d6	7.102	99	326538	113.790	ng	-0.01
23) Nitrobenzene-d5	9.102	82	252779	66.199	ng	-0.01
42) 2,4,6-Tribromophenol	16.066	330	147229	110.225	ng	-0.01
45) 2-Fluorobiphenyl	13.201	172	556853	64.872	ng	-0.01
79) Terphenyl-d14	19.948	244	1028488	71.626	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.125	94	10336	3.565	ng	# 63
71) Phenanthrene	17.366	178	51600	3.423	ng	99
75) Fluoranthene	19.377	202	81120	4.678	ng	97
78) Pyrene	19.742	202	104416	5.854	ng	99
81) Benzo(a)anthracene	21.483	228	36998	2.442	ng	95
83) Chrysene	21.536	228	41293	2.831	ng	98
88) Benzo(b)fluoranthene	23.177	252	48078m	4.729	ng	
90) Benzo(a)pyrene	23.807	252	17054	2.242	ng	# 80

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

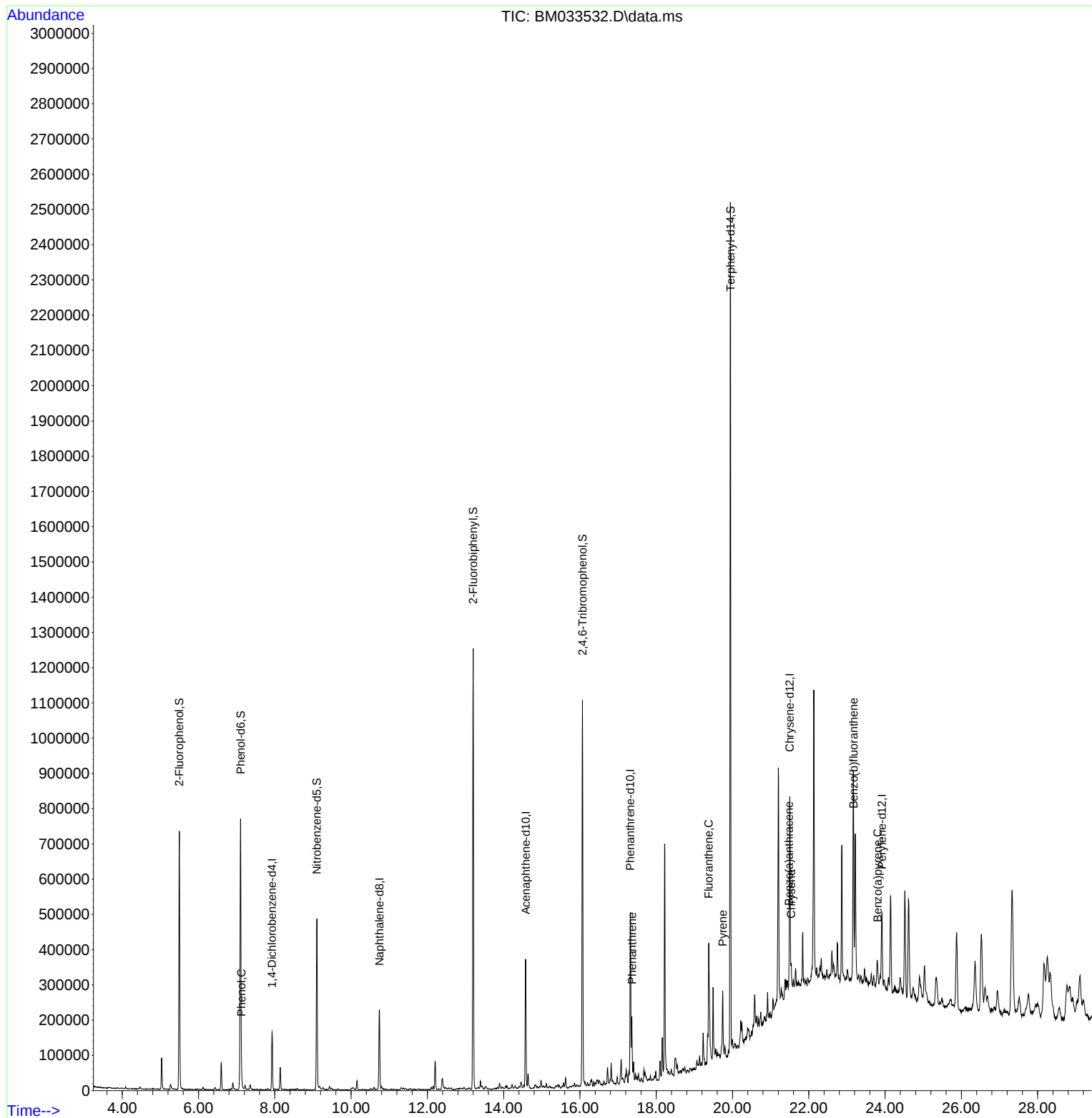
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121821\
Data File : BM033532.D
Acq On : 18 Dec 2021 23:04
Operator : CG/JU
Sample : M5018-09RE
Misc :
ALS Vial : 18 Sample Multiplier: 1

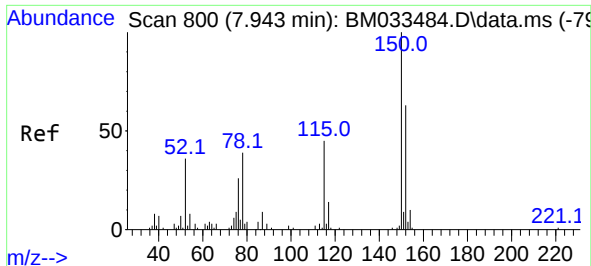
Instrument :
BNA_M
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SP2B

Quant Time: Dec 20 07:10:08 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
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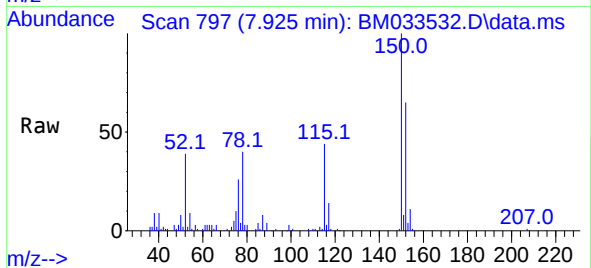
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Supervised By :mohammad ahmed 12/23/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 79
Delta R.T. -0.018 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

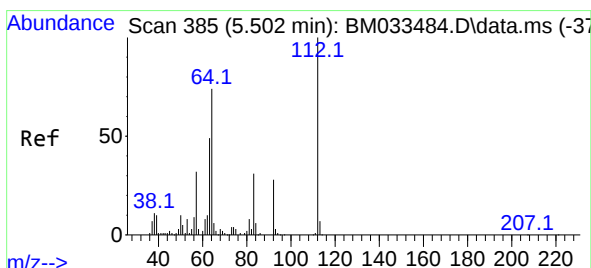
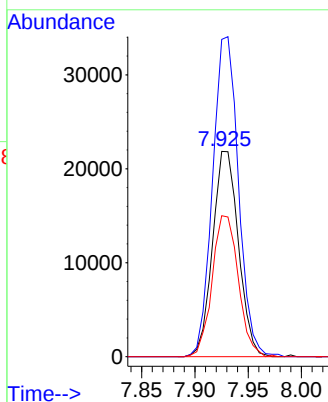
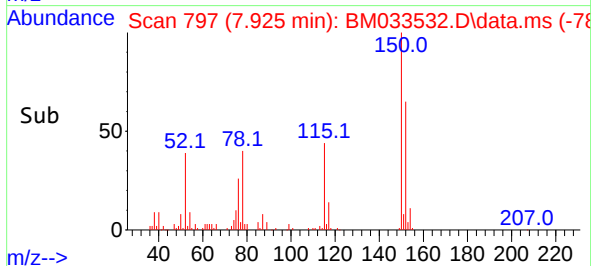
Instrument :
BNA_M
ClientSampleId :
SP2B



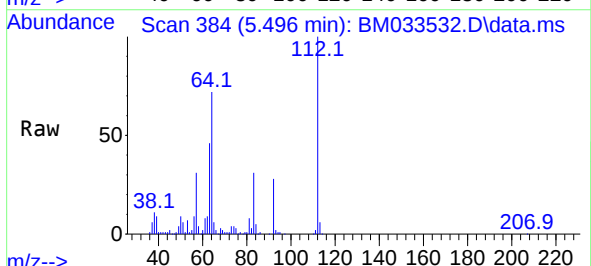
Tgt Ion:152 Resp: 36898
Ion Ratio Lower Upper
152 100
150 154.5 128.9 193.3
115 68.7 53.0 79.6

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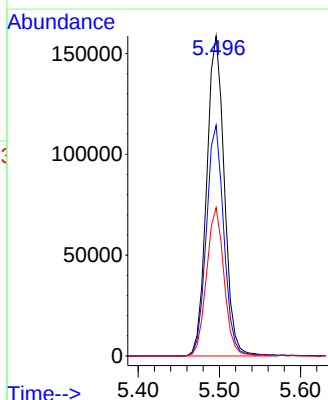
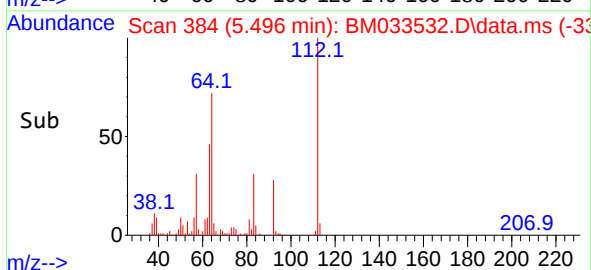
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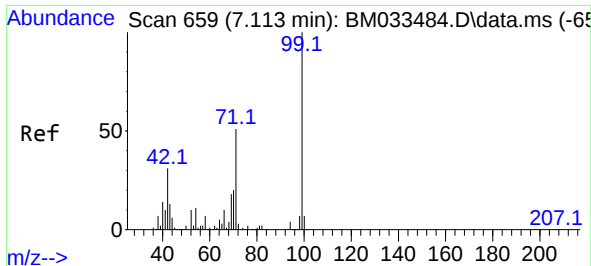


#5
2-Fluorophenol
Concen: 111.894 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04



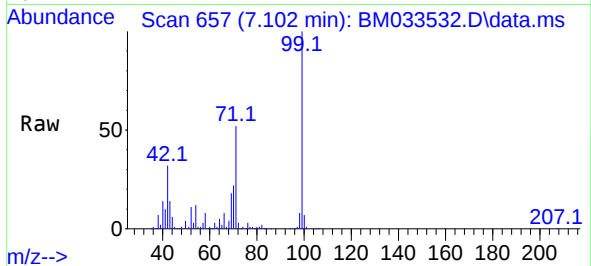
Tgt Ion:112 Resp: 239268
Ion Ratio Lower Upper
112 100
64 72.1 55.5 83.3
63 46.4 31.3 46.9





#7
Phenol-d6
Concen: 113.790 ng
RT: 7.102 min Scan# 61
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

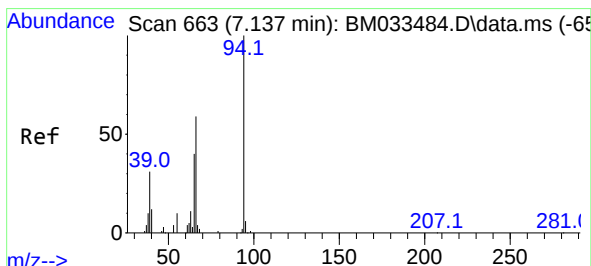
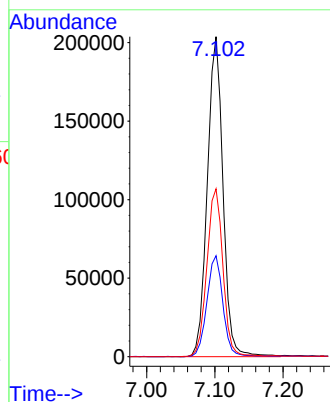
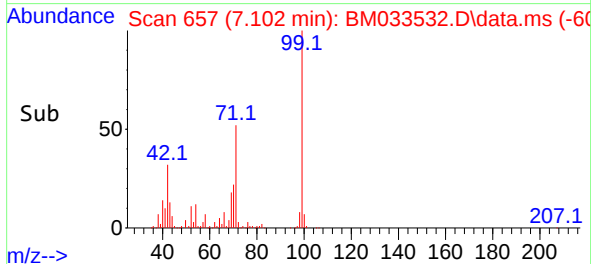
Instrument :
BNA_M
ClientSampleId :
SP2B



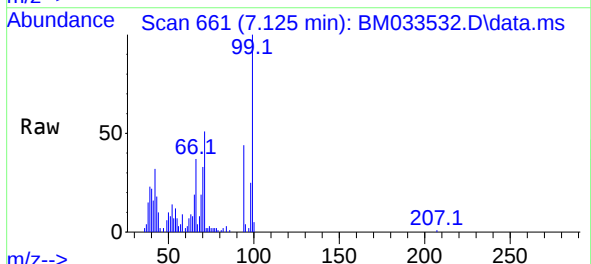
Tgt Ion: 99 Resp: 326538
Ion Ratio Lower Upper
99 100
42 31.6 20.3 30.5
71 52.5 34.5 51.7

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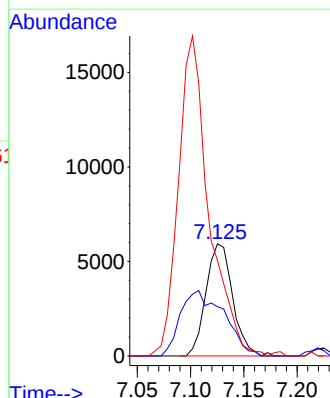
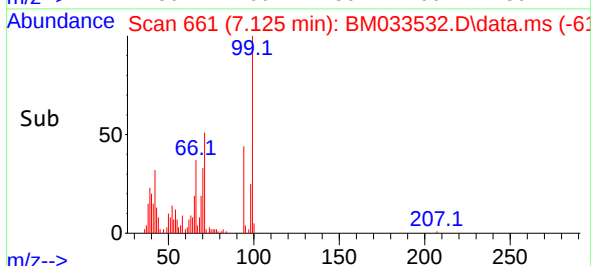
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Supervised By :mohammad ahmed 12/23/2021

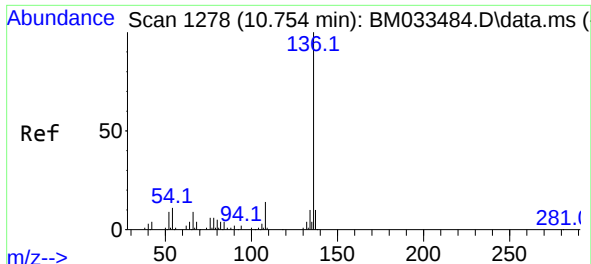


#10
Phenol
Concen: 3.565 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04



Tgt Ion: 94 Resp: 10336
Ion Ratio Lower Upper
94 100
65 43.9 15.5 55.5
66 85.1 28.5 68.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 1074
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

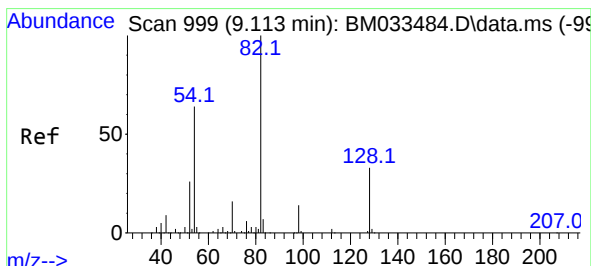
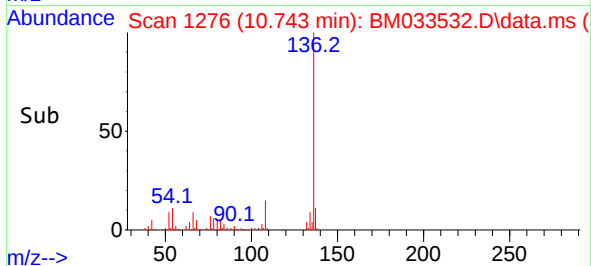
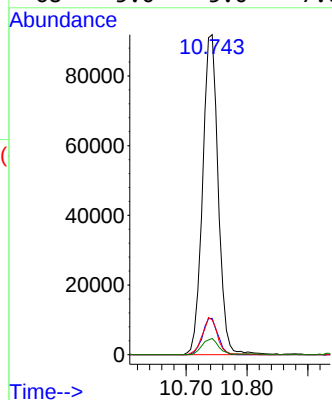
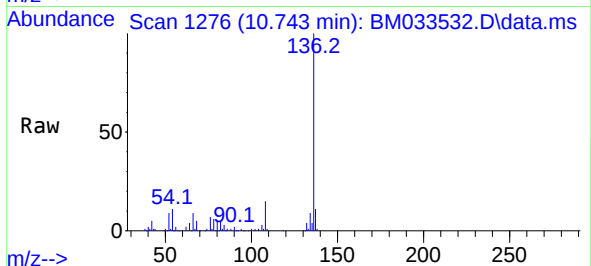
Instrument :
BNA_M
ClientSampleId :
SP2B

Tgt Ion:136 Resp: 163950

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	10.8	8.3	12.5
68	5.0	5.0	7.6

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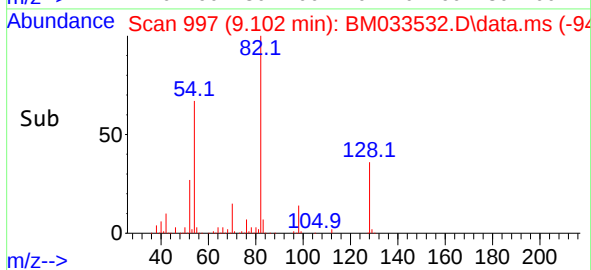
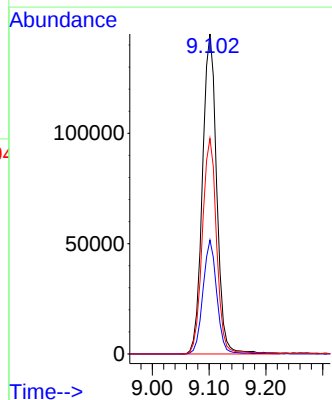
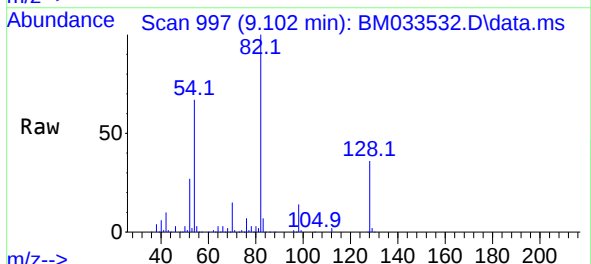
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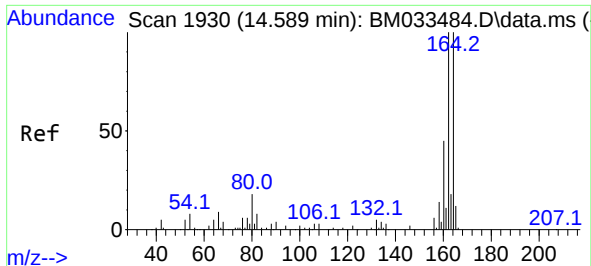


#23
Nitrobenzene-d5
Concen: 66.199 ng
RT: 9.102 min Scan# 997
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

Tgt Ion: 82 Resp: 252779

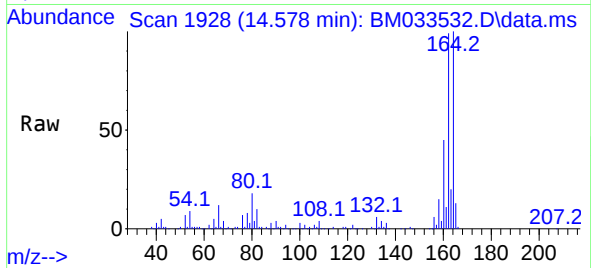
Ion	Ratio	Lower	Upper
82	100		
128	35.6	28.1	42.1
54	67.4	46.1	69.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.578 min Scan# 1930
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

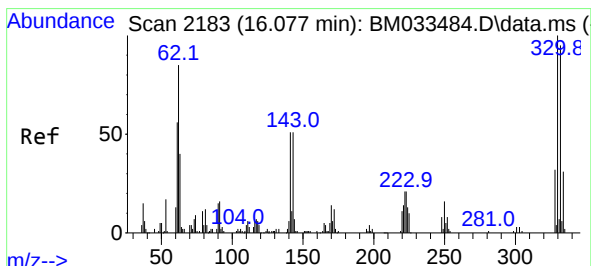
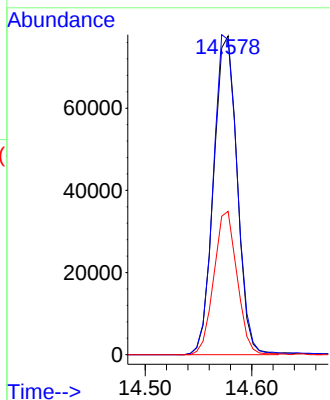
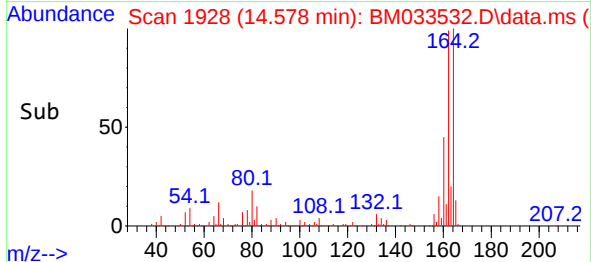
Instrument :
BNA_M
ClientSampleId :
SP2B



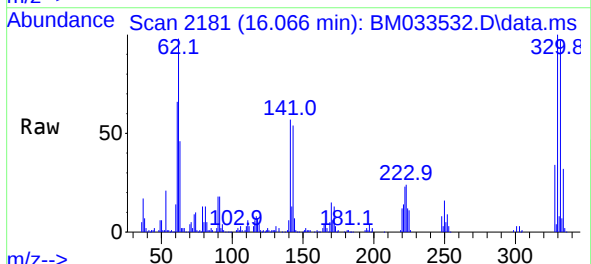
Tgt Ion:164 Resp: 11874
Ion Ratio Lower Upper
164 100
162 98.8 79.7 119.5
160 45.0 34.2 51.4

Manual Integrations
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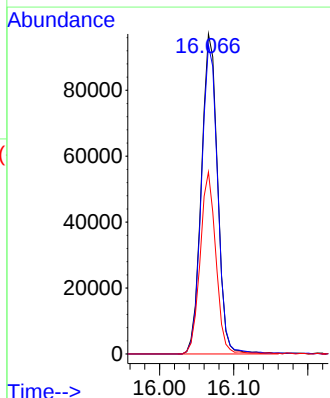
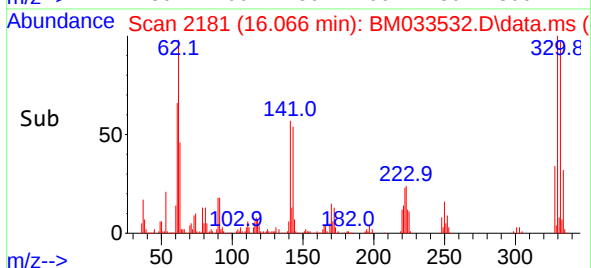
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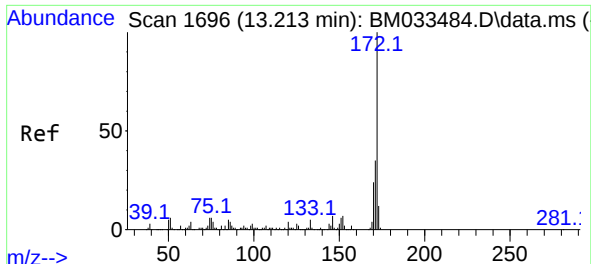


#42
2,4,6-Tribromophenol
Concen: 110.225 ng
RT: 16.066 min Scan# 2181
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04



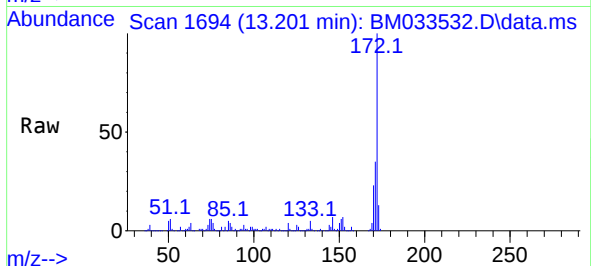
Tgt Ion:330 Resp: 147229
Ion Ratio Lower Upper
330 100
332 97.0 76.5 114.7
141 55.1 35.9 53.9#





#45
2-Fluorobiphenyl
Concen: 64.872 ng
RT: 13.201 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

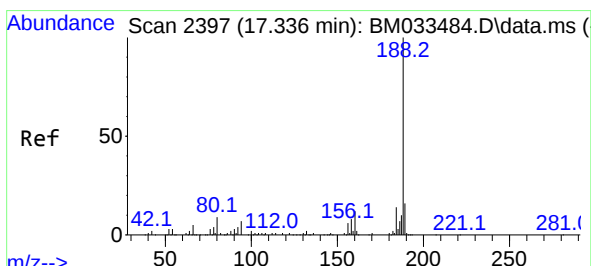
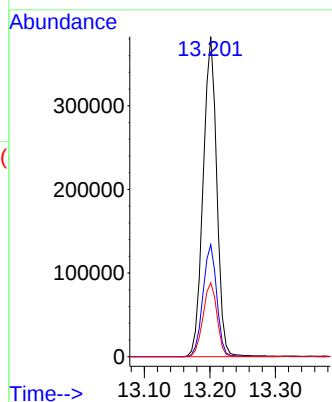
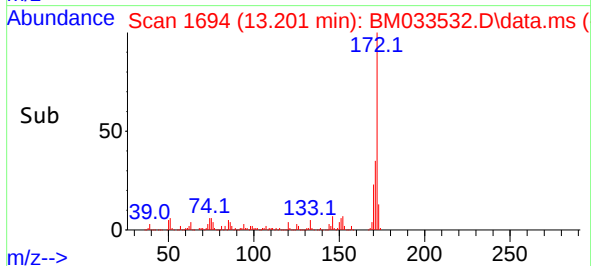
Instrument :
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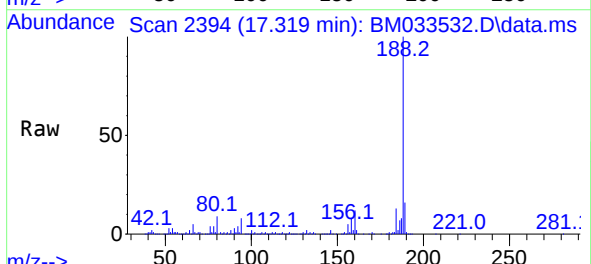
Tgt Ion:172 Resp: 55685
Ion Ratio Lower Upper
172 100
171 35.0 27.2 40.8
170 23.1 18.7 28.1

Manual Integrations
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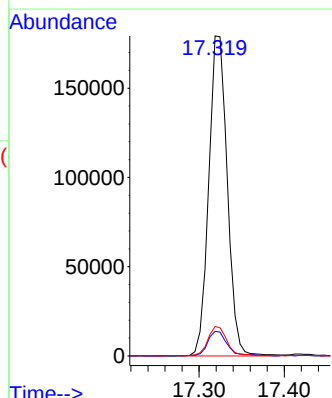
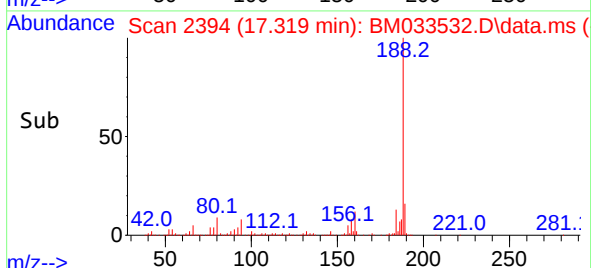
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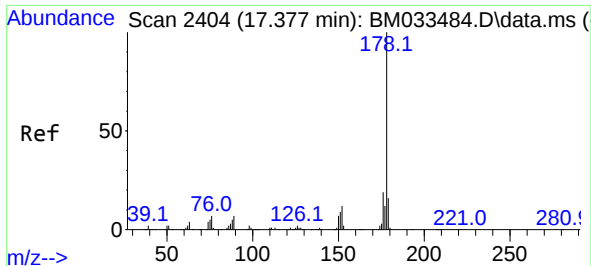


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.319 min Scan# 2394
Delta R.T. -0.017 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04



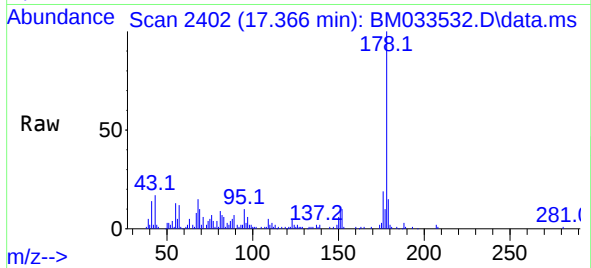
Tgt Ion:188 Resp: 270838
Ion Ratio Lower Upper
188 100
94 7.7 7.5 11.3
80 9.2 8.9 13.3





#71
Phenanthrene
Concen: 3.423 ng
RT: 17.366 min Scan# 2404
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

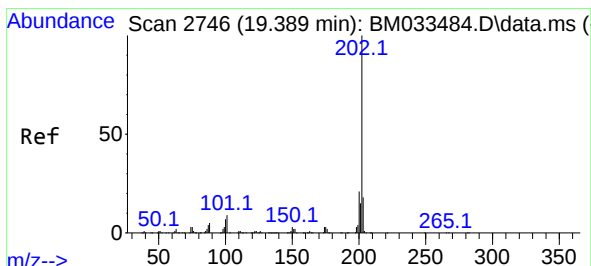
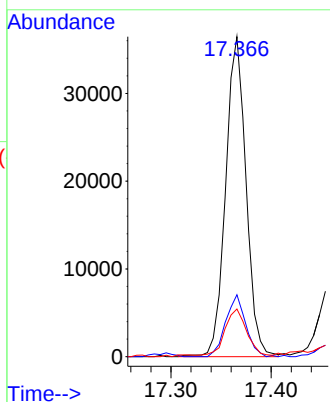
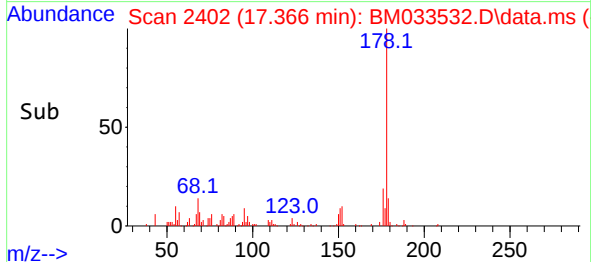
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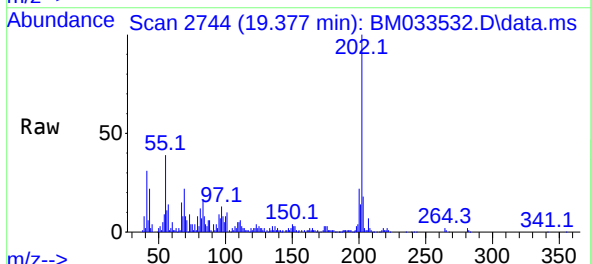
Tgt Ion:178 Resp: 51600
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 14.9 12.0 18.0

Manual Integrations
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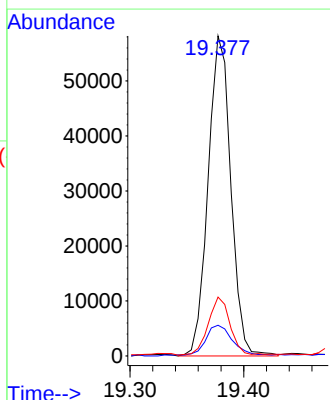
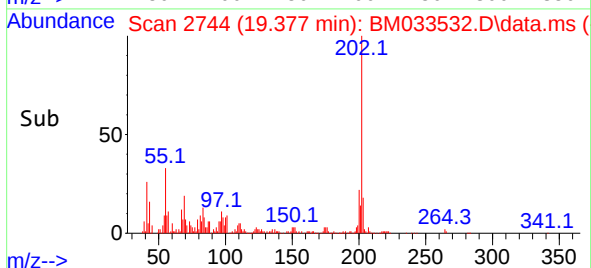
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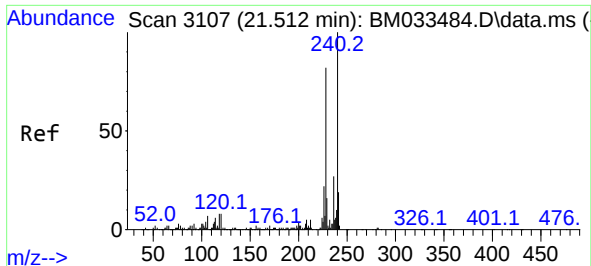


#75
Fluoranthene
Concen: 4.678 ng
RT: 19.377 min Scan# 2744
Delta R.T. -0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04



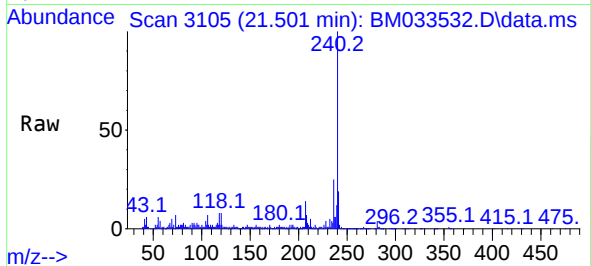
Tgt Ion:202 Resp: 81120
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.8
203 18.4 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3107
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

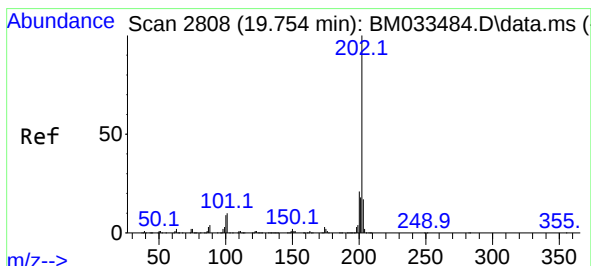
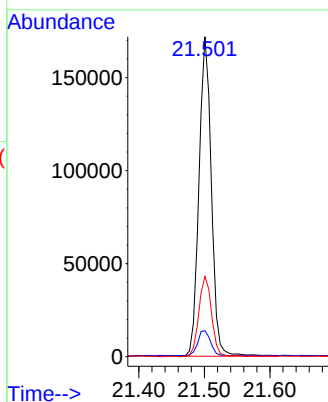
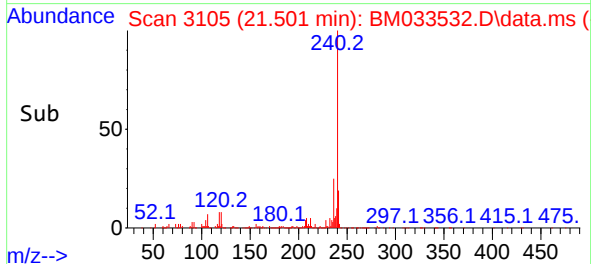
Instrument :
BNA_M
ClientSampleId :
SP2B



Tgt Ion:240 Resp: 226060
Ion Ratio Lower Upper
240 100
120 8.1 7.8 11.6
236 25.0 20.3 30.5

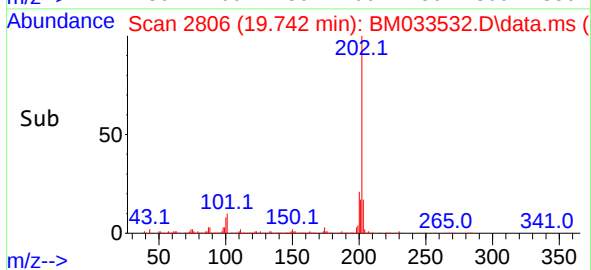
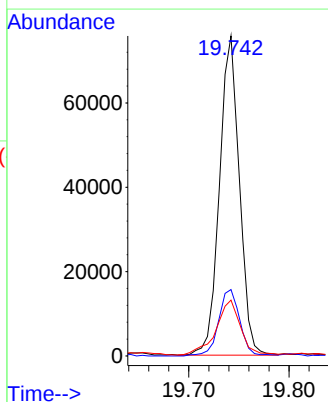
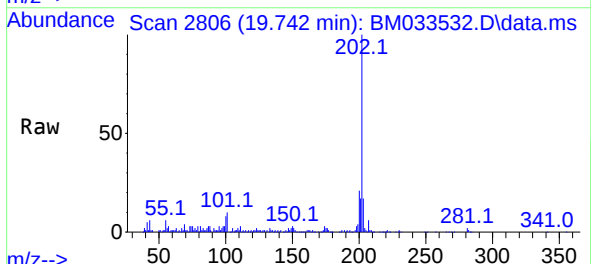
Manual Integrations
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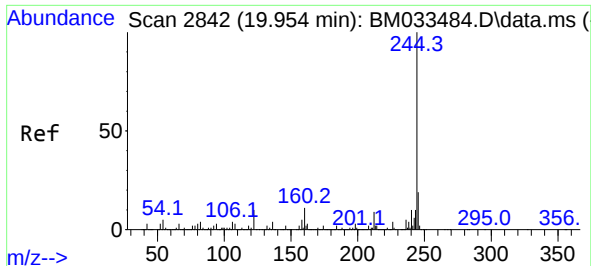
Reviewed By :Yogesh Patel 12/23/2021
Supervised By :mohammad ahmed 12/23/2021



#78
Pyrene
Concen: 5.854 ng
RT: 19.742 min Scan# 2806
Delta R.T. -0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

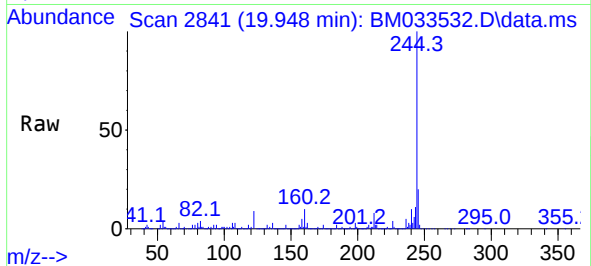
Tgt Ion:202 Resp: 104416
Ion Ratio Lower Upper
202 100
200 20.8 16.4 24.6
203 17.5 13.5 20.3





#79
 Terphenyl-d14
 Concen: 71.626 ng
 RT: 19.948 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM033532.D
 Acq: 18 Dec 2021 23:04

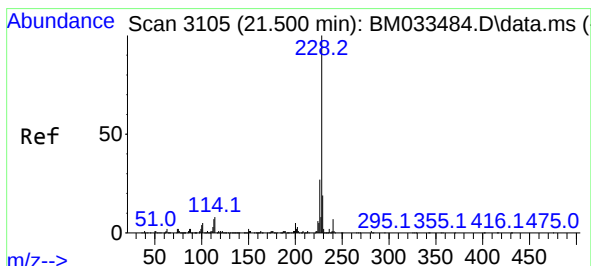
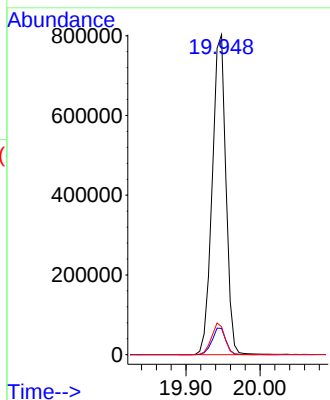
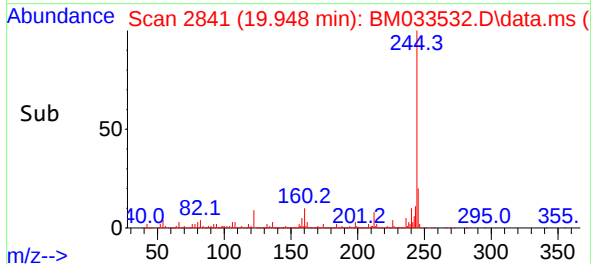
Instrument :
 BNA_M
 ClientSampleId :
 SP2B



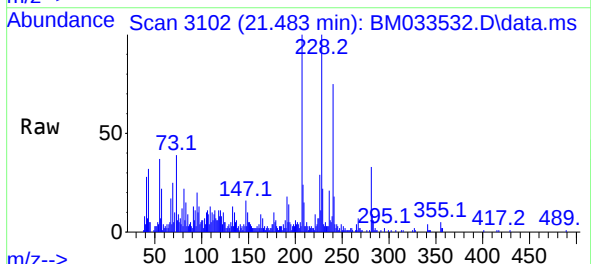
Tgt Ion:244 Resp: 102848
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.9 8.9
 122 8.7 8.4 12.6

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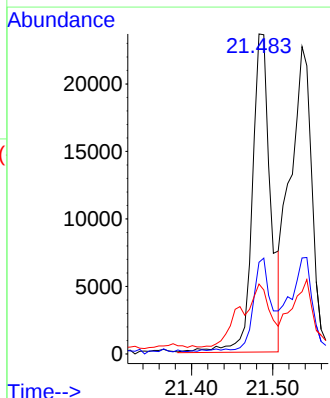
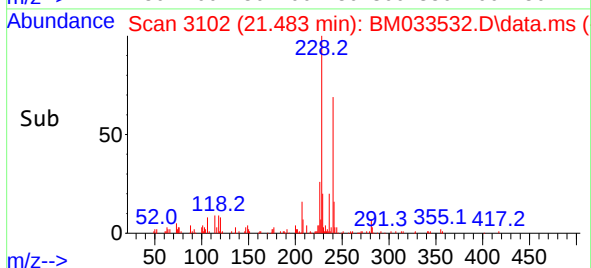
Reviewed By :Yogesh Patel 12/23/2021
 Supervised By :mohammad ahmed 12/23/2021

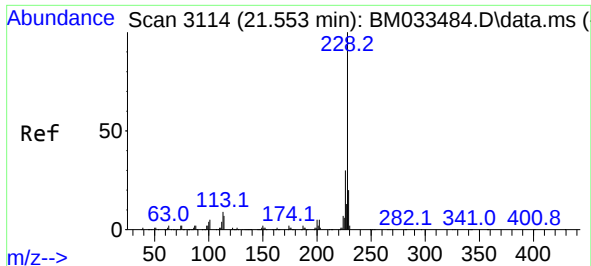


#81
 Benzo(a)anthracene
 Concen: 2.442 ng
 RT: 21.483 min Scan# 3102
 Delta R.T. -0.017 min
 Lab File: BM033532.D
 Acq: 18 Dec 2021 23:04



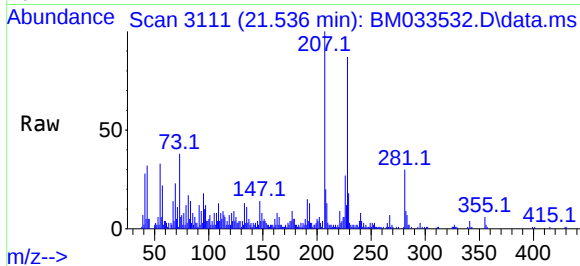
Tgt Ion:228 Resp: 36998
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.0 31.6
 229 21.9 15.5 23.3





#83
Chrysene
Concen: 2.831 ng
RT: 21.536 min Scan# 3114
Delta R.T. -0.017 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

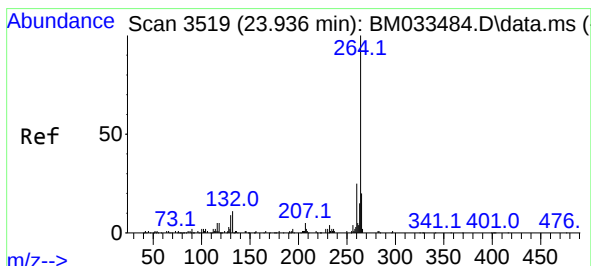
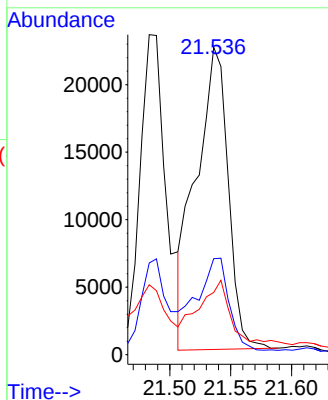
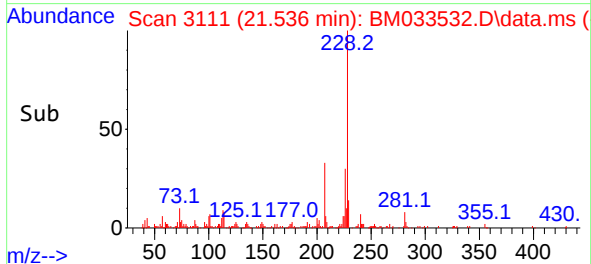
Instrument :
BNA_M
ClientSampleId :
SP2B



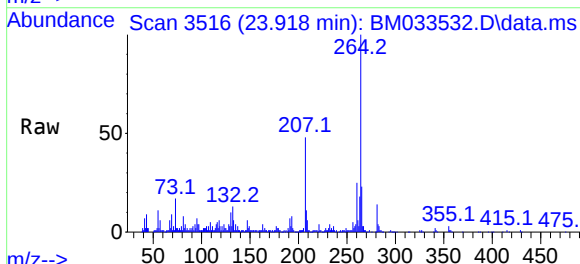
Tgt Ion:228 Resp: 4129
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 20.2 15.8 23.8

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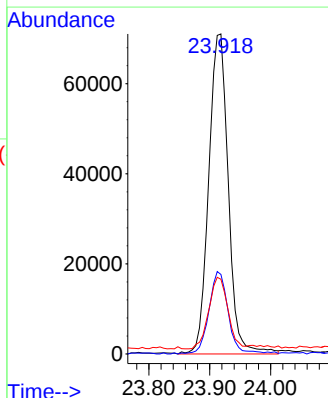
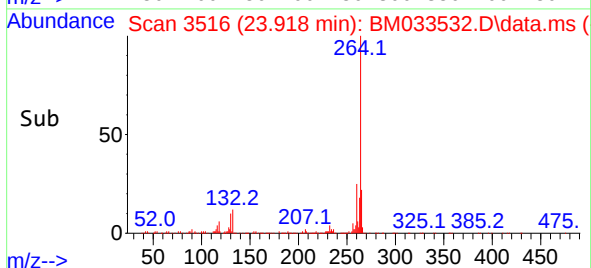
Reviewed By :Yogesh Patel 12/23/2021
Supervised By :mohammad ahmed 12/23/2021

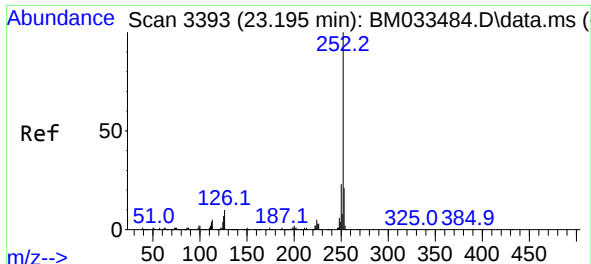


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 3516
Delta R.T. -0.018 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04



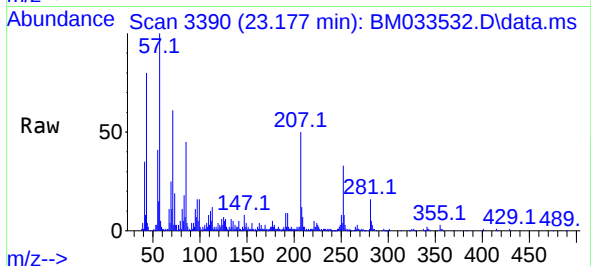
Tgt Ion:264 Resp: 158540
Ion Ratio Lower Upper
264 100
260 24.9 17.7 26.5
265 23.3 17.7 26.5





#88
Benzo(b)fluoranthene
Concen: 4.729 ng m
RT: 23.177 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

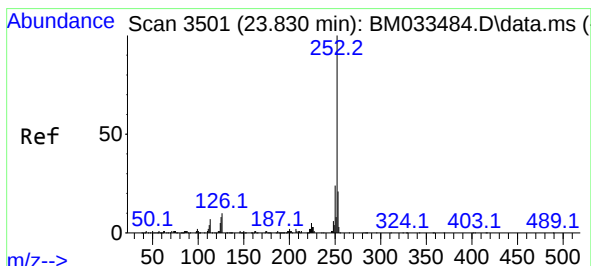
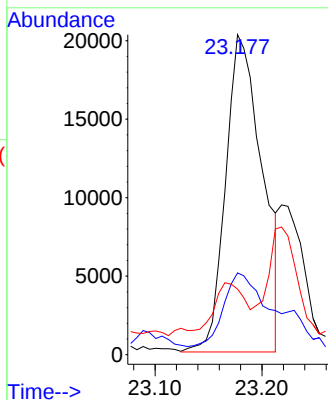
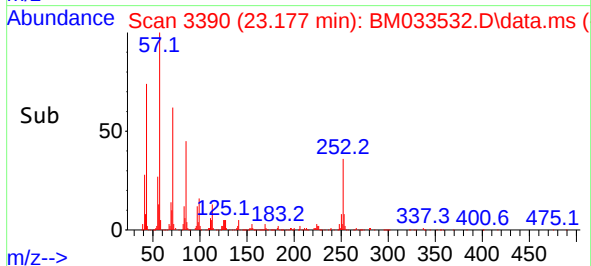
Instrument :
BNA_M
ClientSampleId :
SP2B



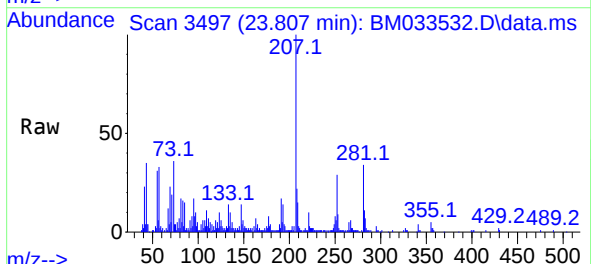
Tgt Ion:252 Resp: 48078
Ion Ratio Lower Upper
252 100
253 25.5 17.1 25.7
125 20.5 7.4 11.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/23/2021
Supervised By :mohammad ahmed 12/23/2021



#90
Benzo(a)pyrene
Concen: 2.242 ng
RT: 23.807 min Scan# 3497
Delta R.T. -0.023 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04



Tgt Ion:252 Resp: 17054
Ion Ratio Lower Upper
252 100
253 30.1 17.5 26.3#
125 19.1 7.8 11.8#

