

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
 Data File : BM048088.D
 Acq On : 16 Oct 2024 15:13
 Operator : RC/JU
 Sample : P4350-07DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EOAK6DL

Manual Integrations
 APPROVED

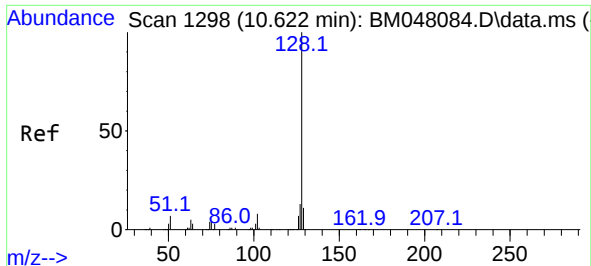
Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 23:37:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 10 05:10:14 2024
 Response via : Initial Calibration

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

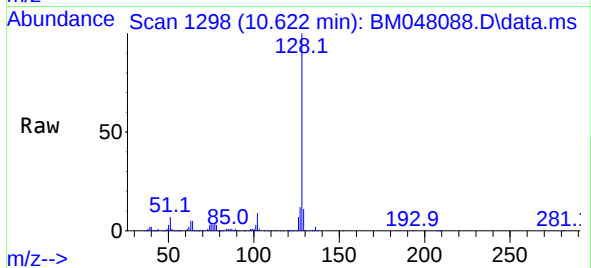
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	222321	20.000	ng/u1	0.00
20) Naphthalene-d8	10.569	136	908890	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.416	164	560812	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.157	188	1112588	20.000	ng/u1	0.00
79) Chrysene-d12	21.386	240	981439	20.000	ng/u1	0.00
88) Perylene-d12	24.386	264	1116789	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	1443	0.210	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.957	99	23445	1.115	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.110	67	15754	1.056	ng/u1	0.00
11) 2-Chlorophenol-d4	7.316	132	21286	1.392	ng/u1	0.00
15) 4-Methylphenol-d8	8.498	113	17601	1.126	ng/u1	0.00
21) Nitrobenzene-d5	8.939	128	8561	1.183	ng/u1	0.00
24) 2-Nitrophenol-d4	9.657	143	9800	1.413	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.216	165	18148	1.310	ng/u1	0.01
31) 4-Chloroaniline-d4	10.722	131	15641m	0.730	ng/u1	0.00
46) Dimethylphthalate-d6	13.827	166	61296	1.508	ng/u1	0.00
49) Acenaphthylene-d8	14.110	160	66988	1.390	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.410	176	56036	1.591	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.257	188	94777m	1.732	ng/u1	0.00
81) Pyrene-d10	19.545	212	77676	1.395	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.174	264	49080	0.847	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.622	128	314815	6.022	ng/u1	99
36) 2-Methylnaphthalene	12.239	142	62185	1.872	ng/u1	96
37) 1-Methylnaphthalene	12.457	142	34127	1.010	ng/u1	95
52) Acenaphthene	14.480	153	330591	8.602	ng/u1	98
56) Dibenzofuran	14.816	168	199783	3.862	ng/u1	95
61) Fluorene	15.463	166	316388	7.331	ng/u1	99
72) Phenanthrene	17.204	178	2411270	36.957	ng/u1	100
74) Anthracene	17.292	178	641555	9.641	ng/u1	100
77) Carbazole	17.562	167	267506	4.435	ng/u1	98
80) Fluoranthene	19.215	202	2614623	39.856	ng/u1	98
82) Pyrene	19.574	202	1429318	19.575	ng/u1	97
85) Benzo(a)anthracene	21.368	228	1013039	14.742	ng/u1	99
87) Chrysene	21.427	228	917638	13.698	ng/u1	97
90) Benzo(b)fluoranthene	23.439	252	1046480	15.026	ng/u1	97
91) Benzo(k)fluoranthene	23.491	252	411802m	5.783	ng/u1	
93) Benzo(a)pyrene	24.238	252	298841	4.518	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.756	276	242968	2.866	ng/u1	99
95) Dibenzo(a,h)anthracene	27.791	278	116457	1.676	ng/u1#	90

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



#30
Naphthalene
Concen: 6.022 ng/ul
RT: 10.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

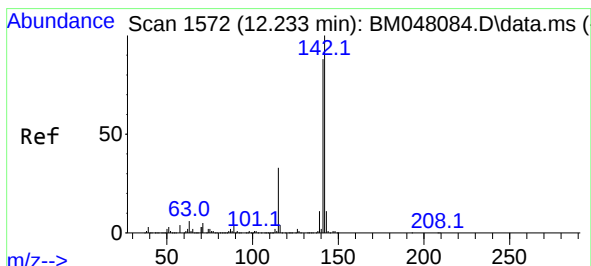
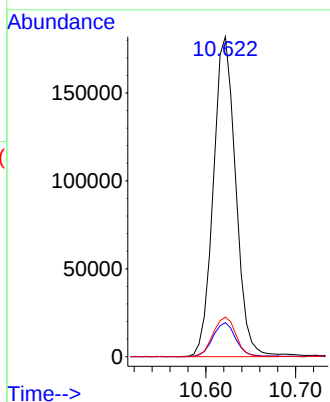
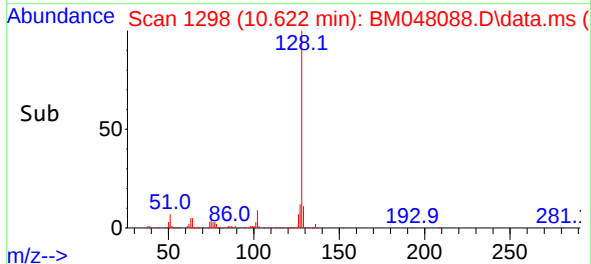
Instrument :
BNA_M
ClientSampleId :
EOAK6DL



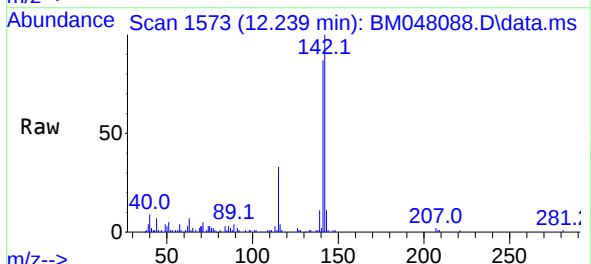
Tgt Ion:128 Resp: 314815
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 12.4 10.4 15.6

Manual Integrations
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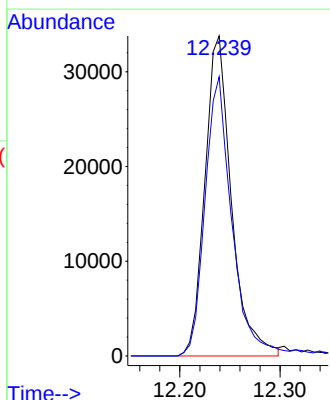
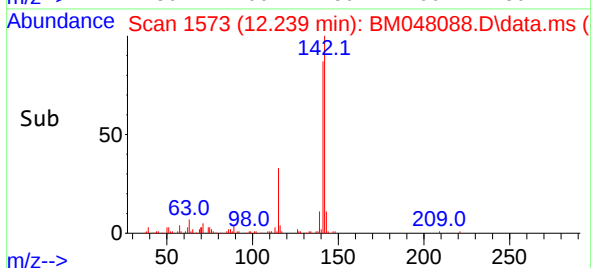
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

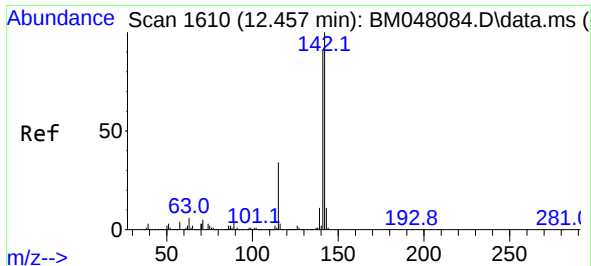


#36
2-Methylnaphthalene
Concen: 1.872 ng/ul
RT: 12.239 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13



Tgt Ion:142 Resp: 62185
Ion Ratio Lower Upper
142 100
141 87.3 72.5 108.7





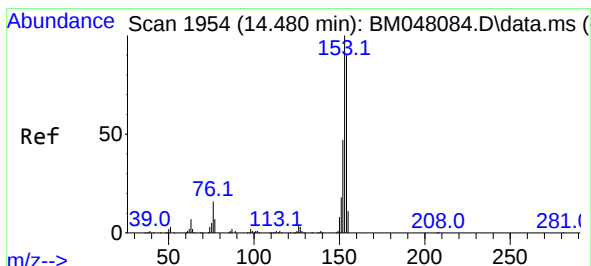
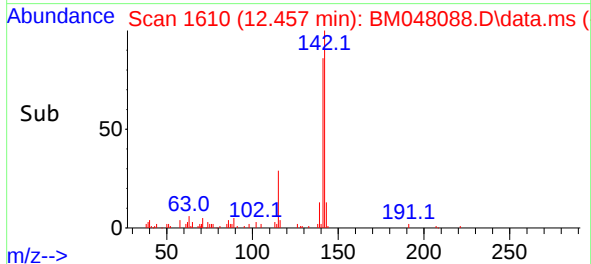
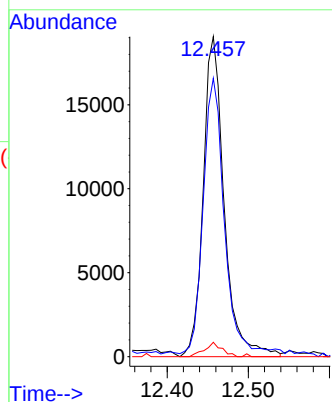
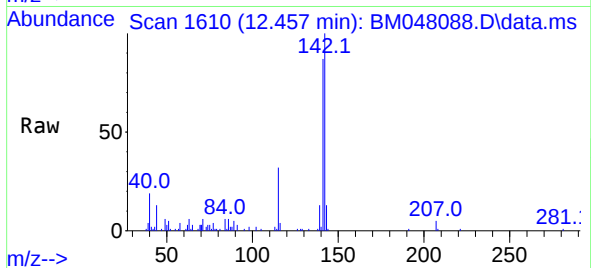
#37
1-Methylnaphthalene
Concen: 1.010 ng/ul
RT: 12.457 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

Instrument :
BNA_M
ClientSampleId :
EOAK6DL

Tgt Ion:142 Resp: 3412
Ion Ratio Lower Upper
142 100
141 87.0 73.4 110.2
116 4.5 3.0 4.6

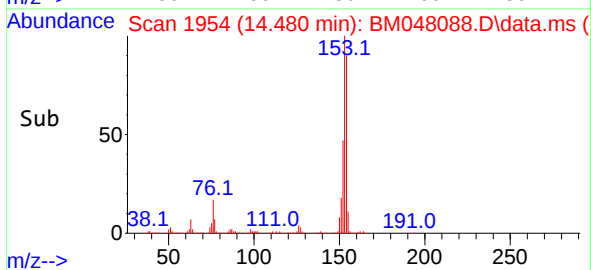
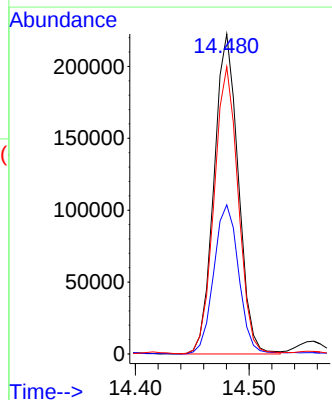
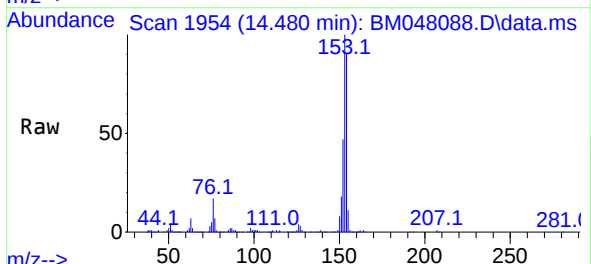
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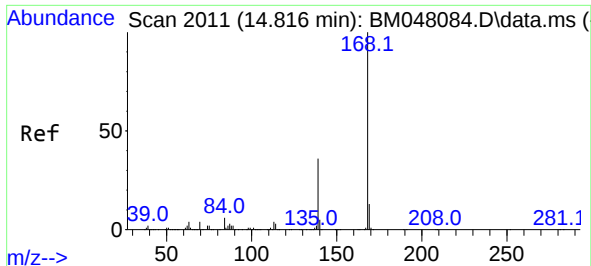
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#52
Acenaphthene
Concen: 8.602 ng/ul
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

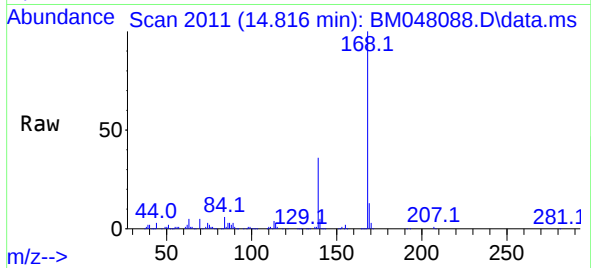
Tgt Ion:153 Resp: 330591
Ion Ratio Lower Upper
153 100
152 46.6 39.7 59.5
154 89.7 72.6 108.8





#56
Dibenzenofuran
Concen: 3.862 ng/u1
RT: 14.816 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

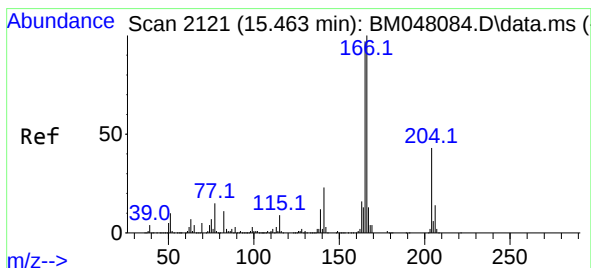
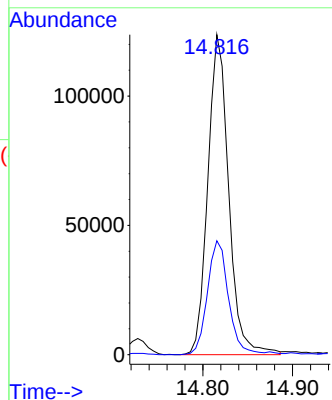
Instrument :
BNA_M
ClientSampleId :
EOAK6DL



Tgt Ion:168 Resp: 199783
Ion Ratio Lower Upper
168 100
139 35.6 31.0 46.6

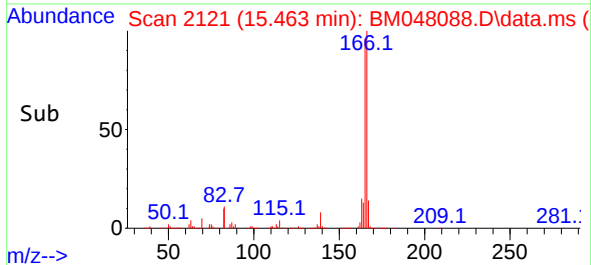
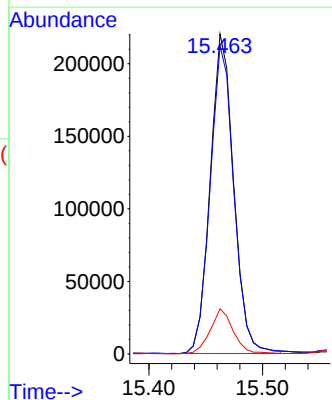
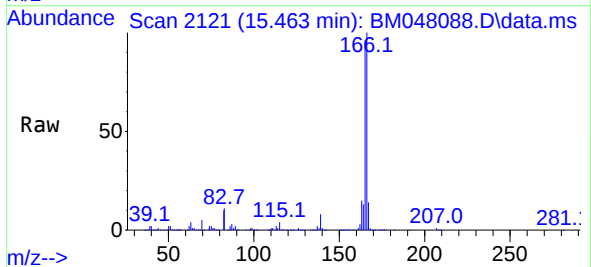
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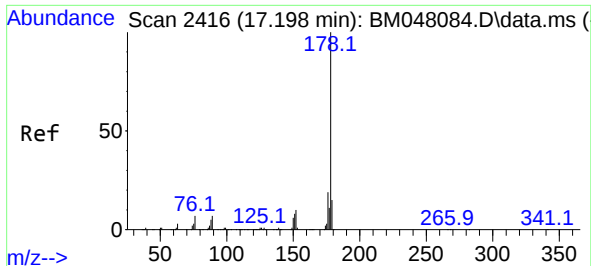
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#61
Fluorene
Concen: 7.331 ng/u1
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

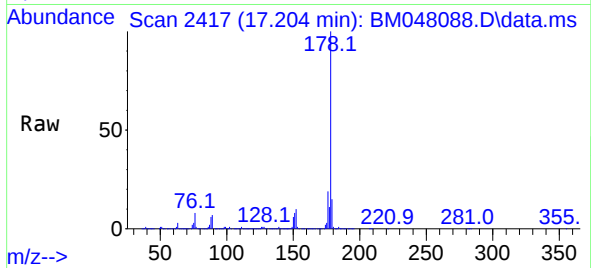
Tgt Ion:166 Resp: 316388
Ion Ratio Lower Upper
166 100
165 96.3 77.8 116.6
167 14.1 10.8 16.2





#72
Phenanthrene
Concen: 36.957 ng/u1
RT: 17.204 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

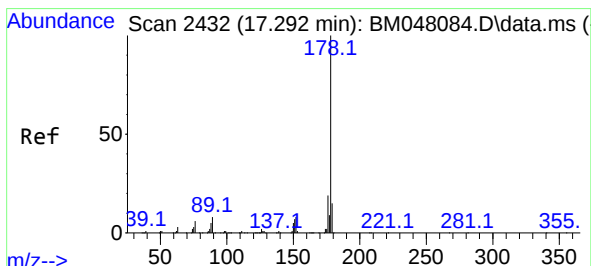
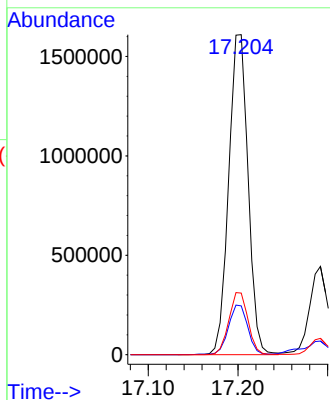
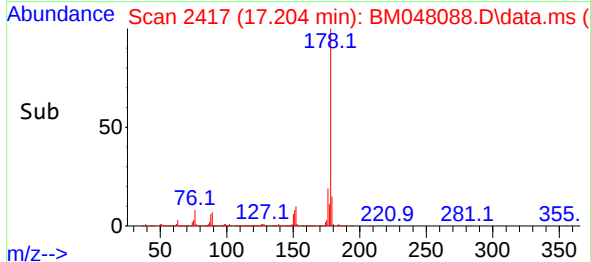
Instrument :
BNA_M
ClientSampleId :
EOAK6DL



Tgt Ion:178 Resp: 2411270
Ion Ratio Lower Upper
178 100
179 15.3 12.0 18.0
176 19.2 15.4 23.0

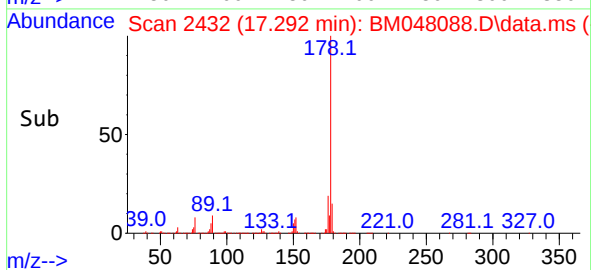
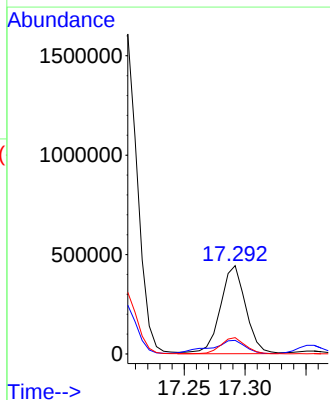
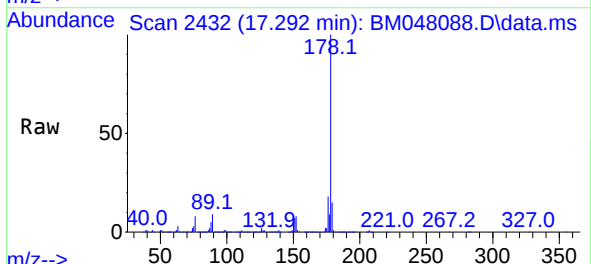
Manual Integrations
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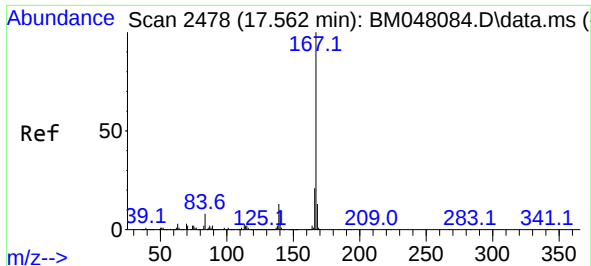
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#74
Anthracene
Concen: 9.641 ng/u1
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

Tgt Ion:178 Resp: 641555
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 18.5 14.7 22.1





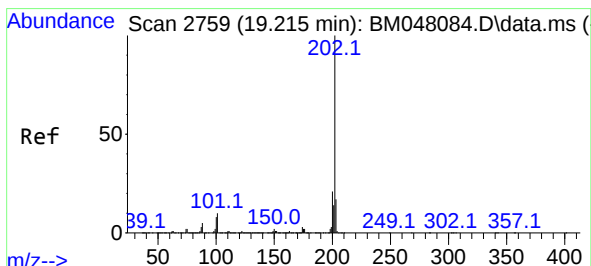
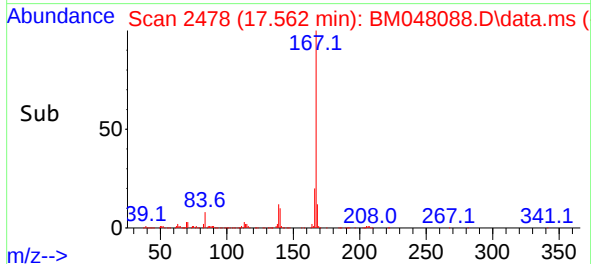
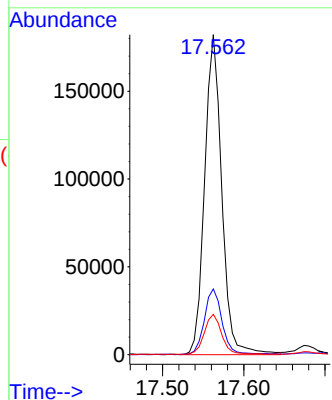
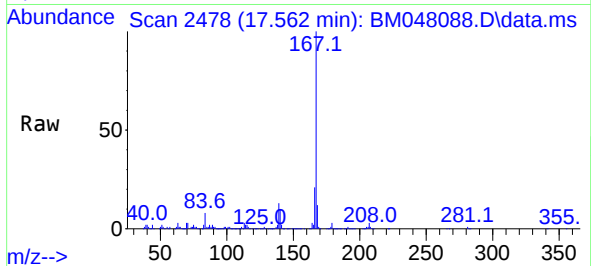
#77
 Carbazole
 Concen: 4.435 ng/u1
 RT: 17.562 min Scan# 2478
 Delta R.T. 0.000 min
 Lab File: BM048088.D
 Acq: 16 Oct 2024 15:13

Instrument :
 BNA_M
 ClientSampleId :
 EOAK6DL

Tgt Ion:167 Resp: 267500
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.4 26.0
 139 12.6 10.9 16.3

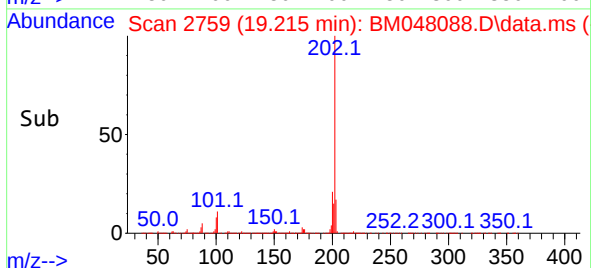
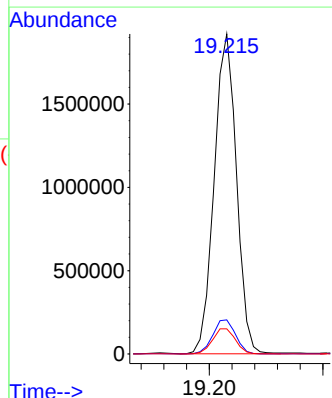
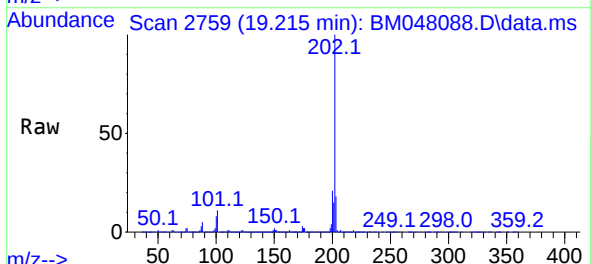
Manual Integrations
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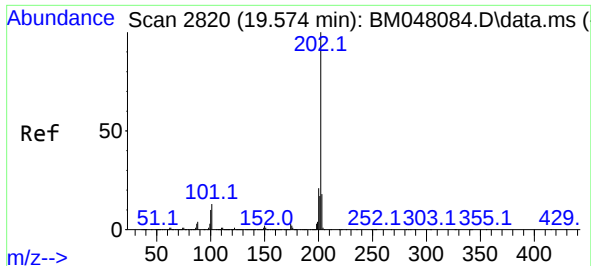
Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024



#80
 Fluoranthene
 Concen: 39.856 ng/u1
 RT: 19.215 min Scan# 2759
 Delta R.T. 0.000 min
 Lab File: BM048088.D
 Acq: 16 Oct 2024 15:13

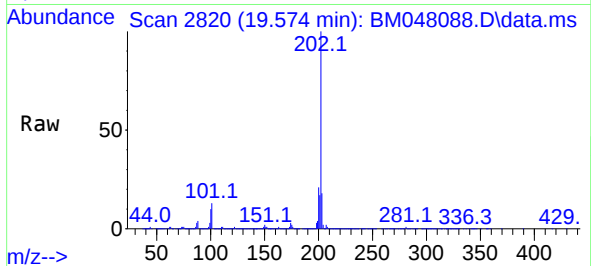
Tgt Ion:202 Resp: 2614623
 Ion Ratio Lower Upper
 202 100
 101 10.6 9.0 13.4
 100 7.8 6.8 10.2





#82
Pyrene
Concen: 19.575 ng/u1
RT: 19.574 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

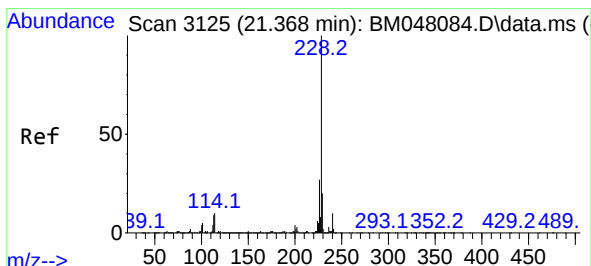
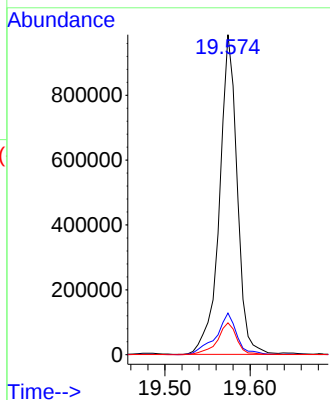
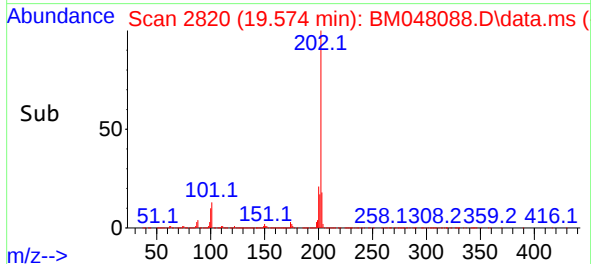
Instrument :
BNA_M
ClientSampleId :
EOAK6DL



Tgt Ion:202 Resp: 1429318
Ion Ratio Lower Upper
202 100
101 13.0 10.9 16.3
100 10.0 9.4 14.2

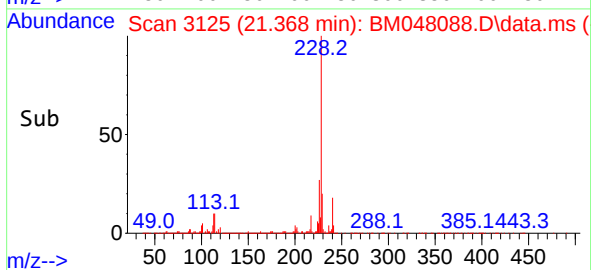
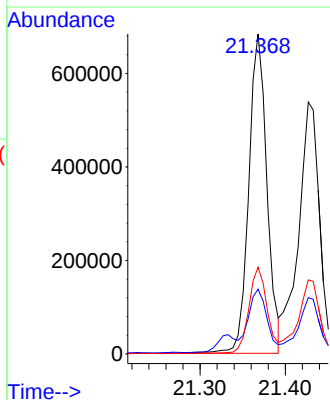
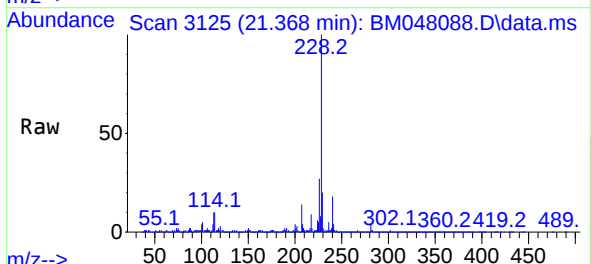
Manual Integrations
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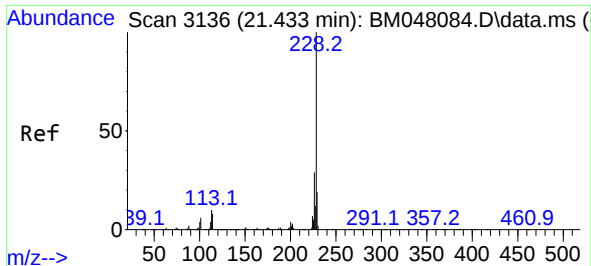
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#85
Benzo(a)anthracene
Concen: 14.742 ng/u1
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

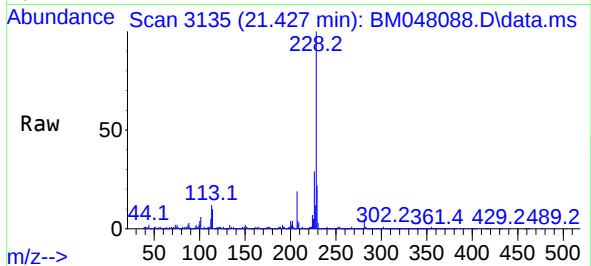
Tgt Ion:228 Resp: 1013039
Ion Ratio Lower Upper
228 100
229 20.3 15.6 23.4
226 27.1 21.9 32.9





#87
Chrysene
Concen: 13.698 ng/u1
RT: 21.427 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

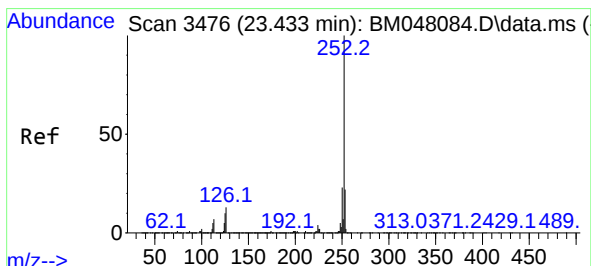
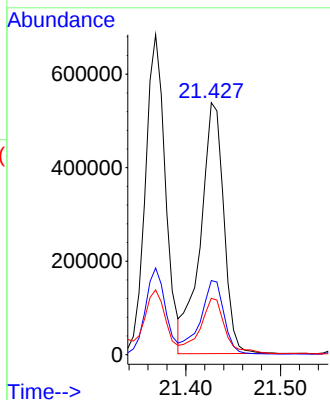
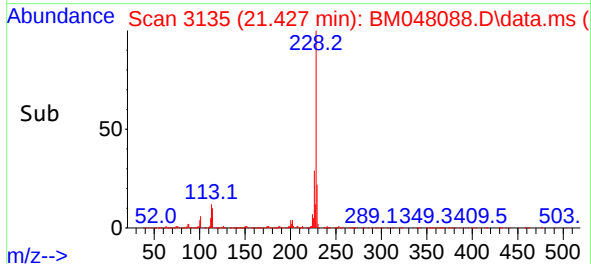
Instrument :
BNA_M
ClientSampleId :
EOAK6DL



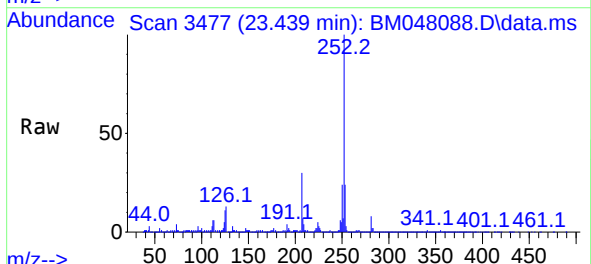
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Ion Ratio Lower Upper
228 100
226 29.4 23.6 35.4
229 22.4 15.3 22.9

Manual Integrations
APPROVED

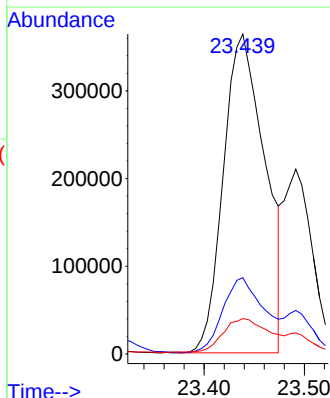
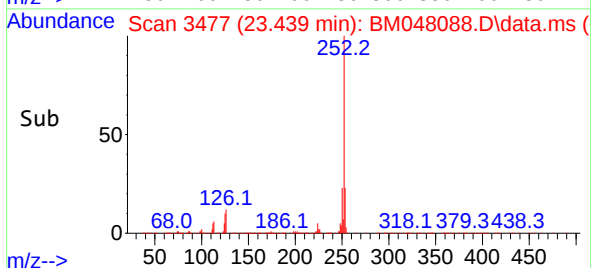
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

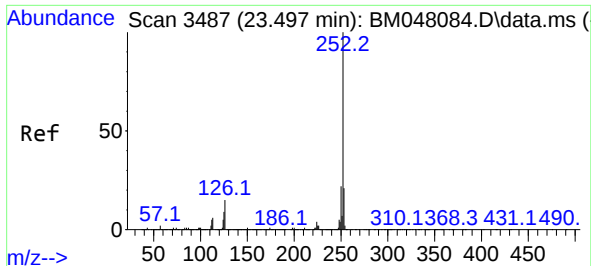


#90
Benzo(b)fluoranthene
Concen: 15.026 ng/u1
RT: 23.439 min Scan# 3477
Delta R.T. 0.012 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13



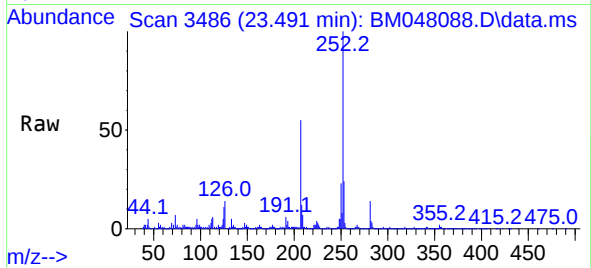
Tgt Ion:252 Resp: 1046480
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 11.0 9.0 13.4





#91
Benzo(k)fluoranthene
Concen: 5.783 ng/ul m
RT: 23.491 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

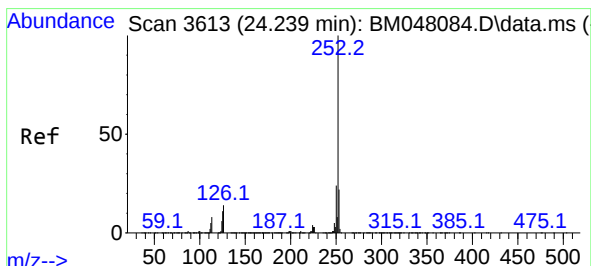
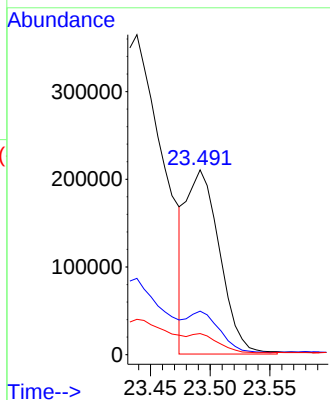
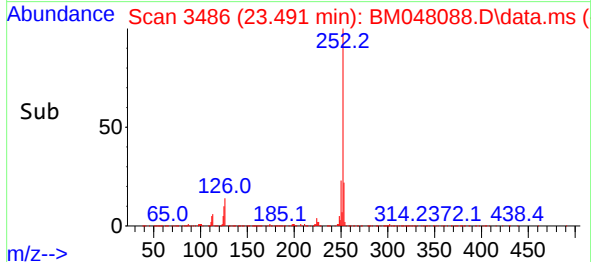
Instrument :
BNA_M
ClientSampleId :
EOAK6DL



Tgt Ion:252 Resp: 411802
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.4 8.9 13.3

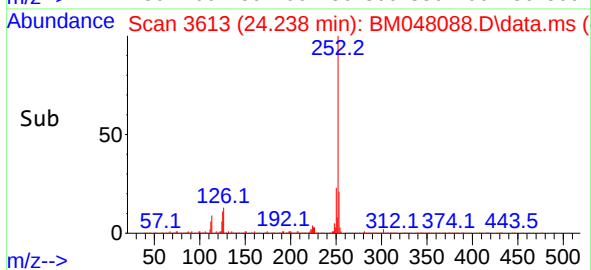
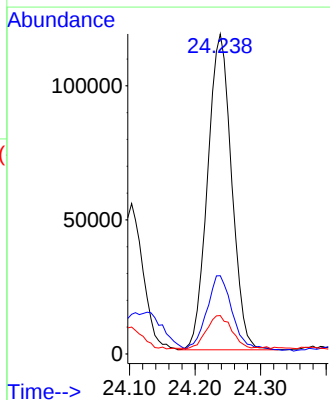
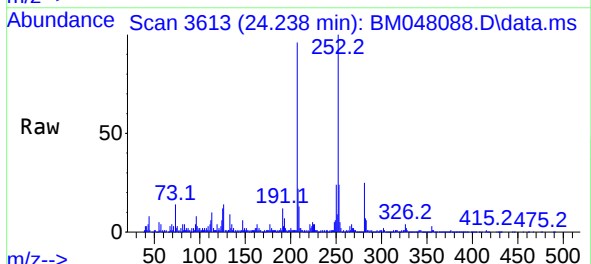
Manual Integrations
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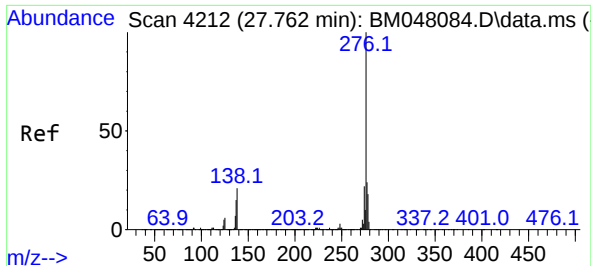
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#93
Benzo(a)pyrene
Concen: 4.518 ng/ul
RT: 24.238 min Scan# 3613
Delta R.T. 0.006 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

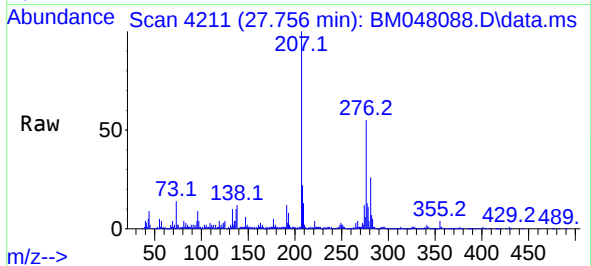
Tgt Ion:252 Resp: 298841
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 12.0 10.1 15.1





#94
Indeno(1,2,3-cd)pyrene
Concen: 2.866 ng/ul
RT: 27.756 min Scan# 4212
Delta R.T. 0.012 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13

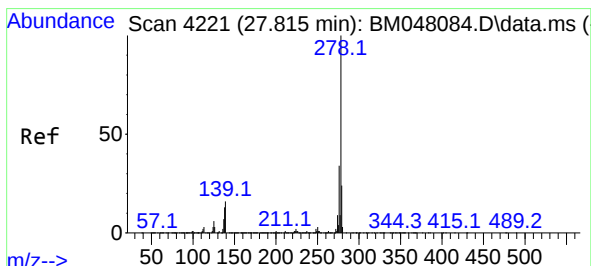
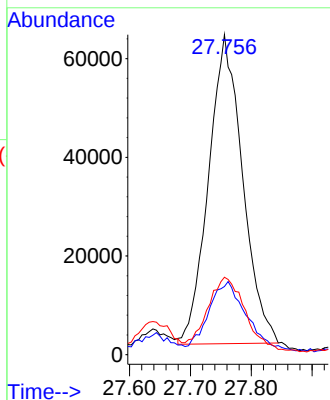
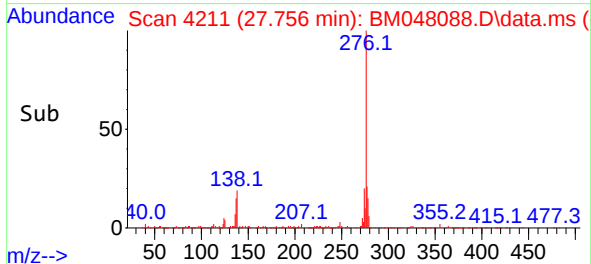
Instrument :
BNA_M
ClientSampleId :
EOAK6DL



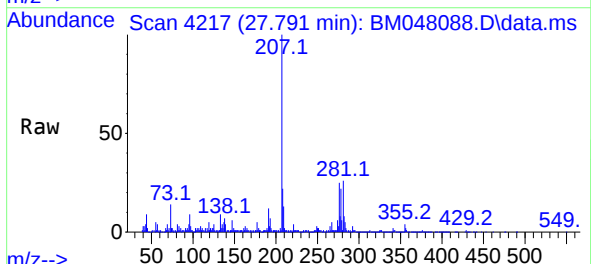
Tgt Ion:276 Resp: 242968
Ion Ratio Lower Upper
276 100
138 21.3 16.9 25.3
277 24.2 18.9 28.3

Manual Integrations
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Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#95
Dibenzo(a,h)anthracene
Concen: 1.676 ng/ul
RT: 27.791 min Scan# 4217
Delta R.T. -0.006 min
Lab File: BM048088.D
Acq: 16 Oct 2024 15:13



Tgt Ion:278 Resp: 116457
Ion Ratio Lower Upper
278 100
139 18.8 13.4 20.2
279 29.5 18.4 27.6#

