

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134977.D
 Acq On : 28 Aug 2023 19:46
 Operator : CG\JU
 Sample : 04165-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 29 03:52:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	101020	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	395610	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	185240	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	293223	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	238389	20.000	ng	0.00
86) Perylene-d12	15.451	264	197492	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	900422	142.136	ng	0.00
7) Phenol-d6	6.434	99	1107350	136.797	ng	0.00
23) Nitrobenzene-d5	7.351	82	699327	97.408	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	264249	121.123	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1165715	97.283	ng	0.00
79) Terphenyl-d14	12.915	244	1089939	62.885	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	50890	3.312	ng	99
75) Fluoranthene	12.539	202	91473	6.283	ng	98
78) Pyrene	12.768	202	79643	3.151	ng	99
81) Benzo(a)anthracene	13.962	228	38654	2.377	ng	96
83) Chrysene	13.998	228	40599	2.530	ng	97
88) Benzo(b)fluoranthene	15.015	252	41853m	3.756	ng	
90) Benzo(a)pyrene	15.380	252	25302	2.275	ng	# 96

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

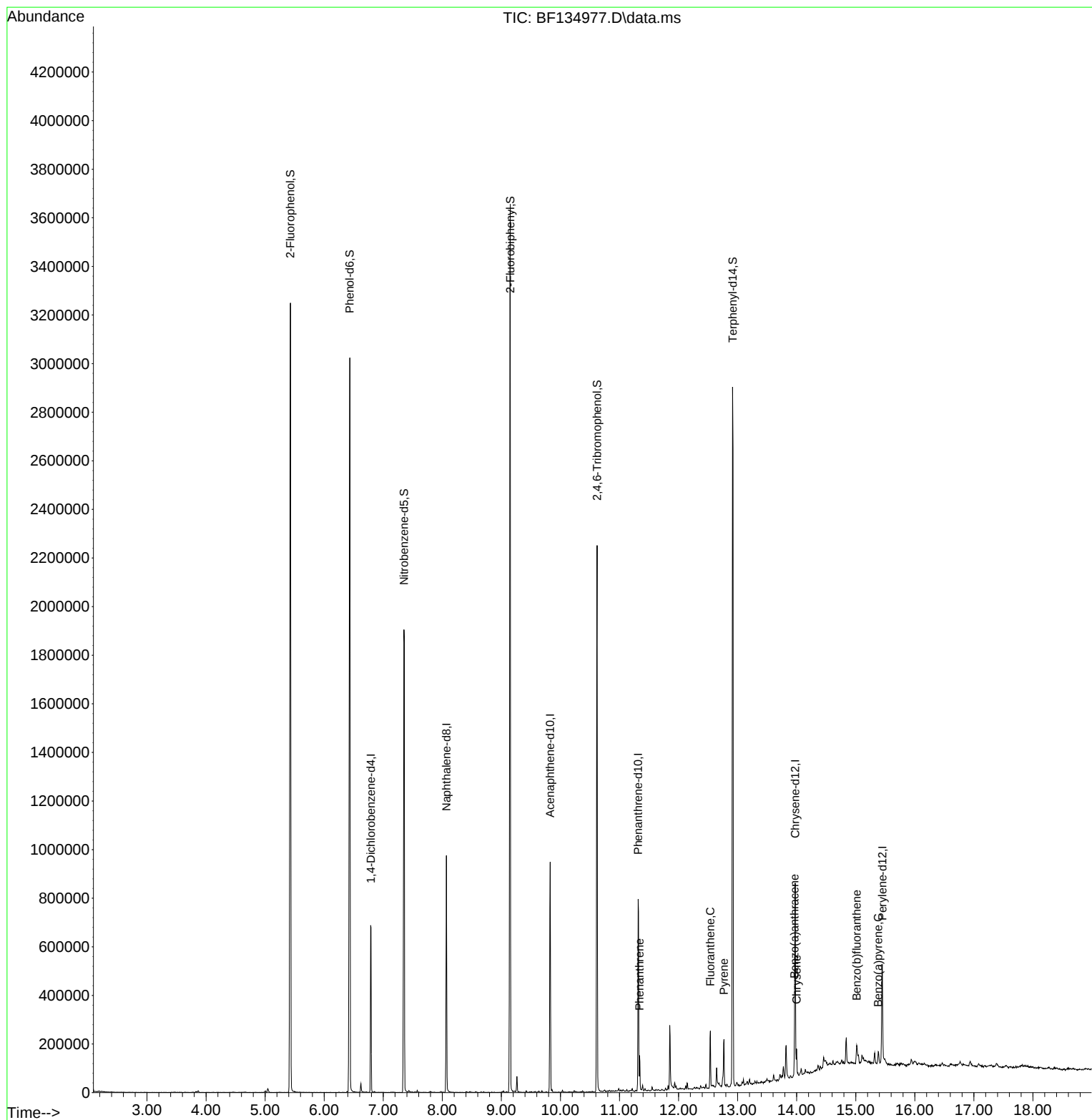
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
Data File : BF134977.D
Acq On : 28 Aug 2023 19:46
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Misc :
ALS Vial : 22 Sample Multiplier: 1

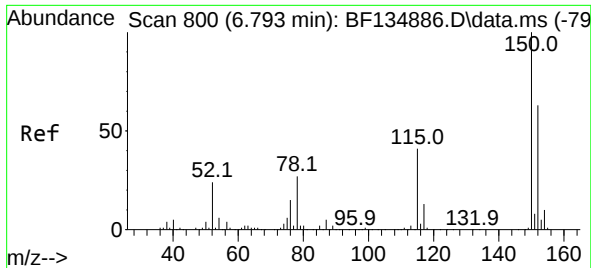
Instrument :
BNA_F
ClientSampleId :
VNJ-208

Quant Time: Aug 29 03:52:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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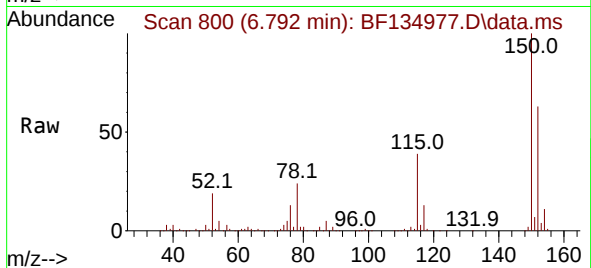
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

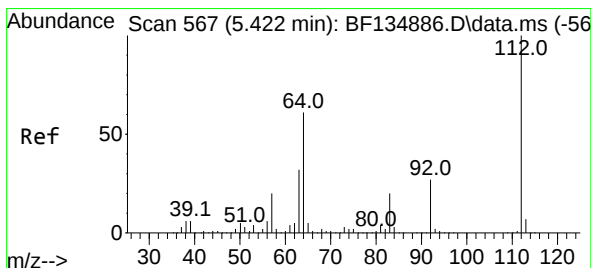
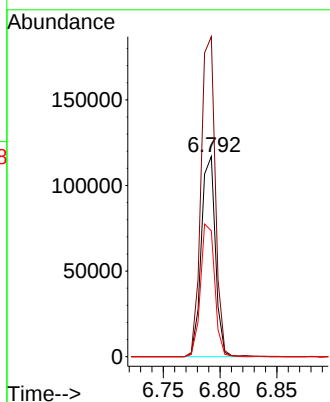
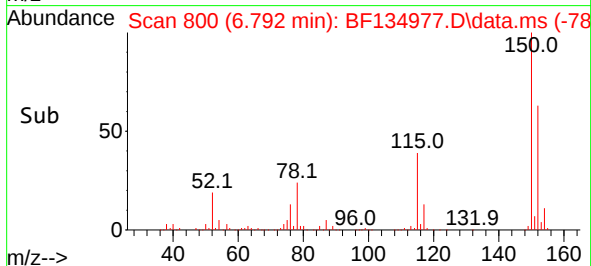
Instrument :
BNA_F
ClientSampleId :
VNJ-208



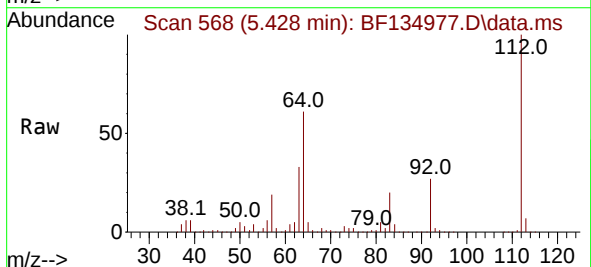
Tgt Ion:152 Resp: 101020
Ion Ratio Lower Upper
152 100
150 159.9 126.1 189.1
115 62.9 51.1 76.7

Manual Integrations
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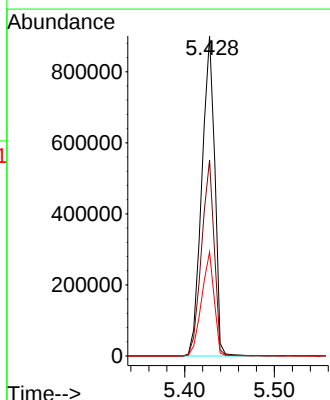
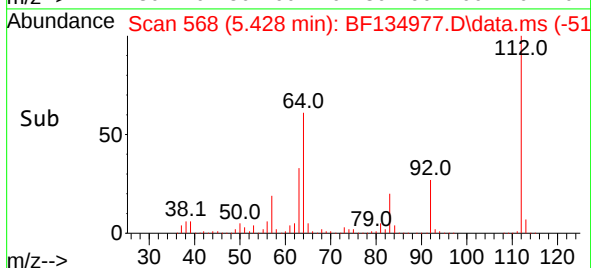
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#5
2-Fluorophenol
Concen: 142.136 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46



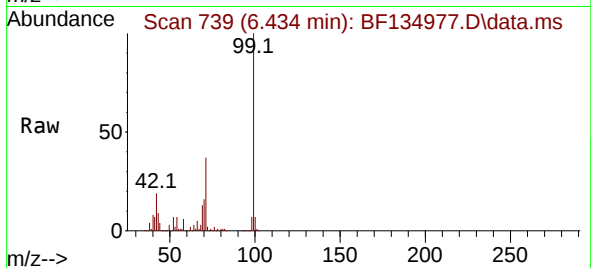
Tgt Ion:112 Resp: 900422
Ion Ratio Lower Upper
112 100
64 61.3 48.6 73.0
63 32.5 25.7 38.5





#7
Phenol-d6
Concen: 136.797 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

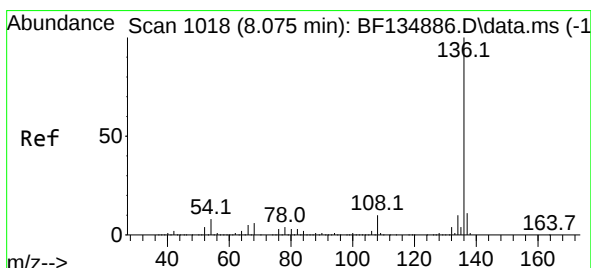
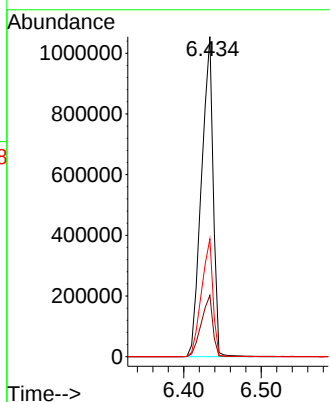
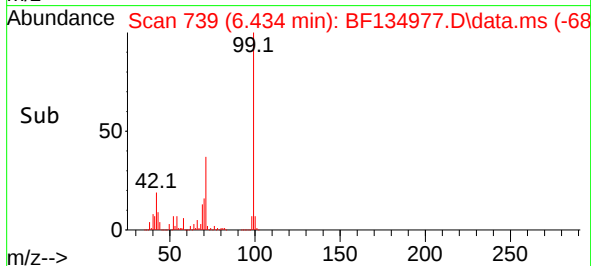
Instrument :
BNA_F
ClientSampleId :
VNJ-208



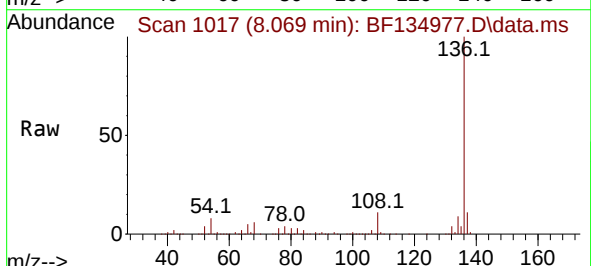
Tgt Ion: 99 Resp: 1107350
Ion Ratio Lower Upper
99 100
42 19.2 14.6 22.0
71 36.8 27.6 41.4

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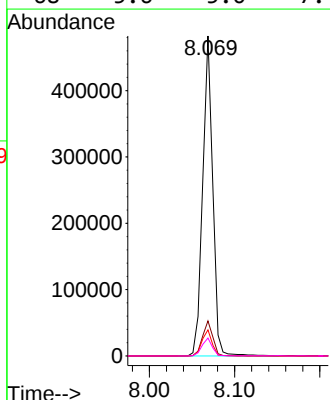
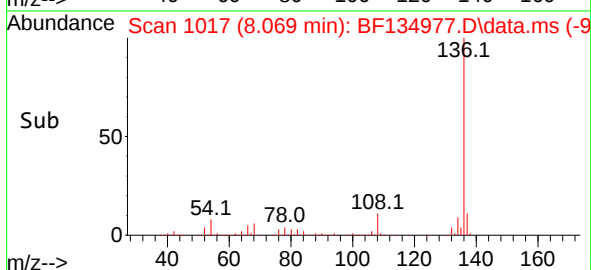
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

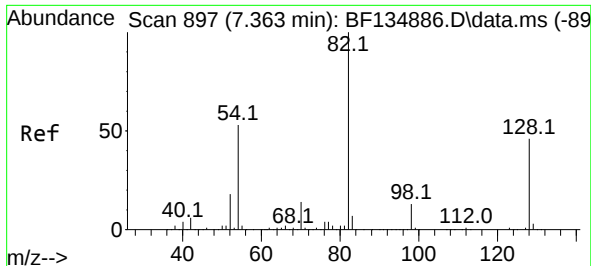


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46



Tgt Ion:136 Resp: 395610
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.1 6.6 9.8
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 97.408 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134977.D

Acq: 28 Aug 2023 19:46

Instrument :

BNA_F

ClientSampleId :

VNJ-208

Tgt Ion: 82 Resp: 69932

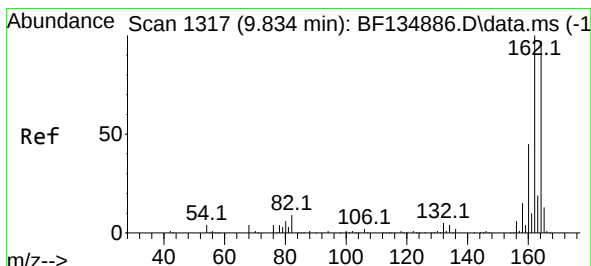
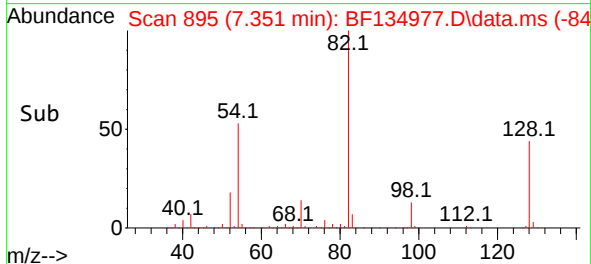
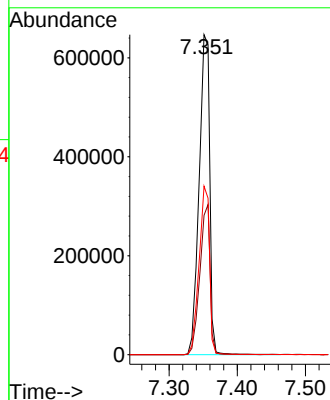
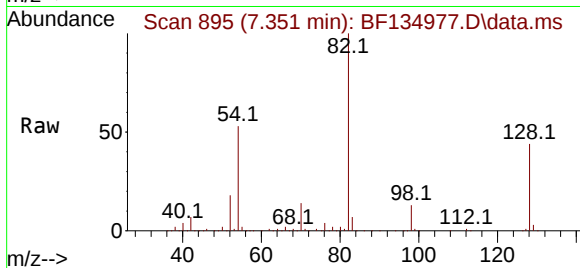
Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.6	54.8
54	52.6	42.6	63.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

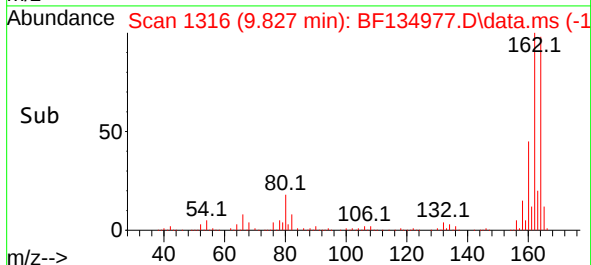
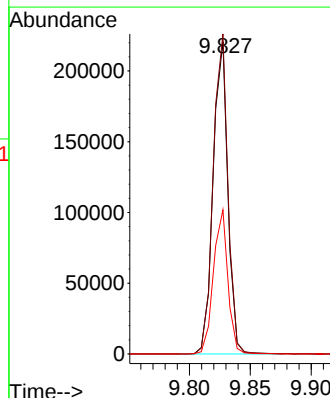
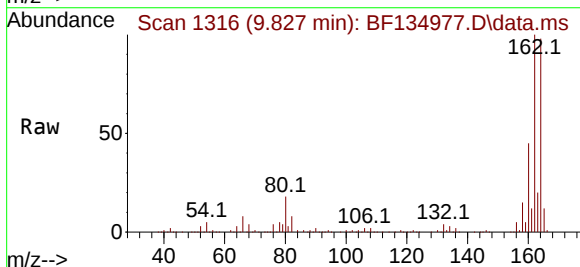
Delta R.T. -0.006 min

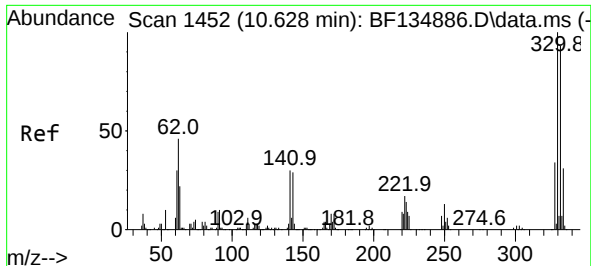
Lab File: BF134977.D

Acq: 28 Aug 2023 19:46

Tgt Ion:164 Resp: 185240

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	46.2	37.0	55.4





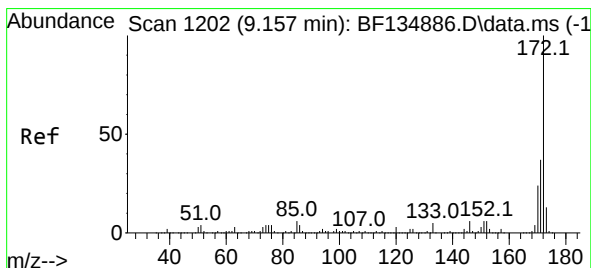
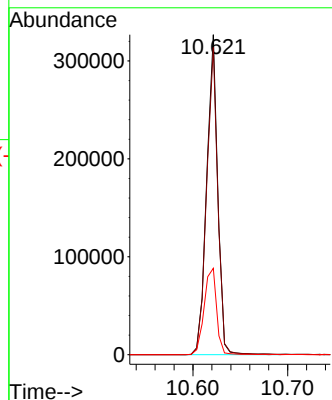
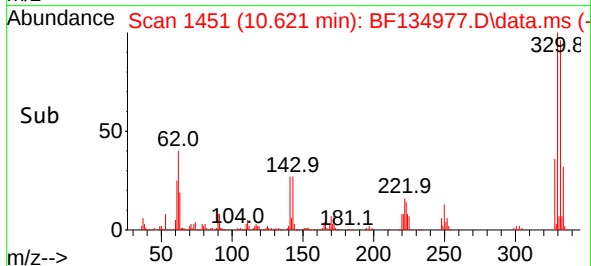
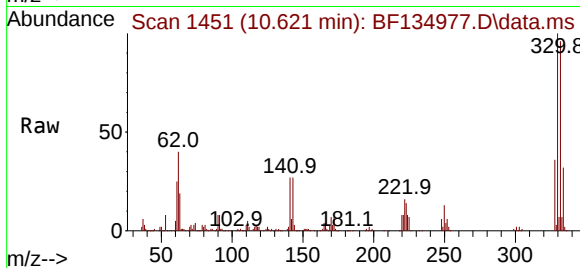
#42
2,4,6-Tribromophenol
Concen: 121.123 ng
RT: 10.621 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion:330 Resp: 264249
Ion Ratio Lower Upper
330 100
332 96.9 76.3 114.5
141 30.6 23.4 35.2

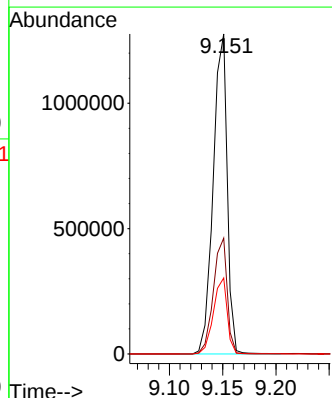
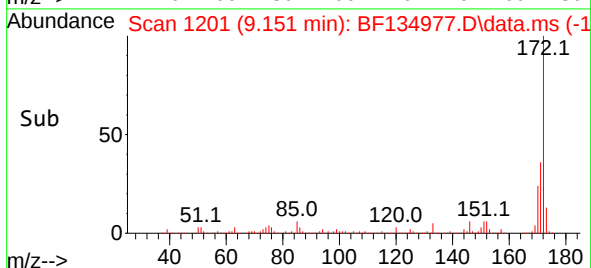
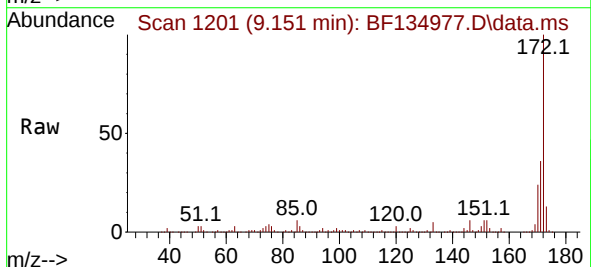
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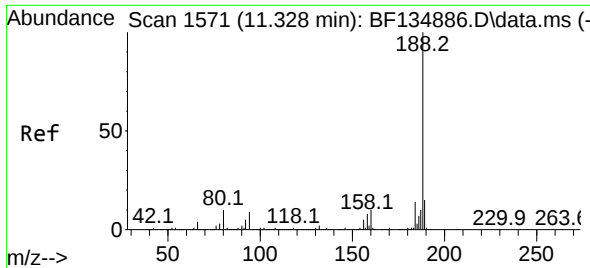
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#45
2-Fluorobiphenyl
Concen: 97.283 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:172 Resp: 1165715
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 23.8 19.6 29.4





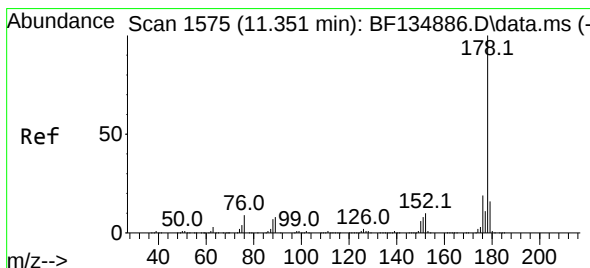
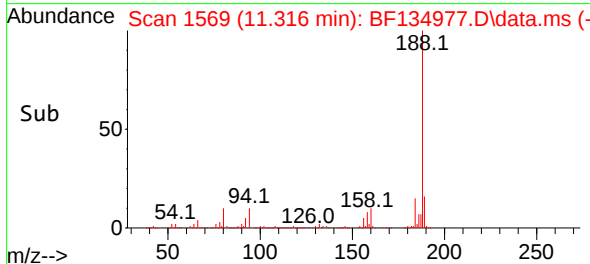
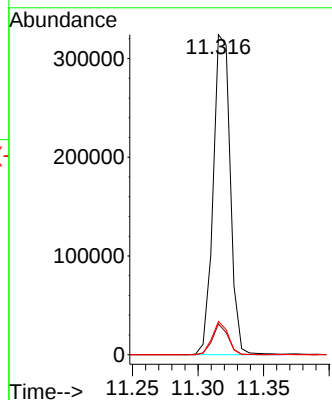
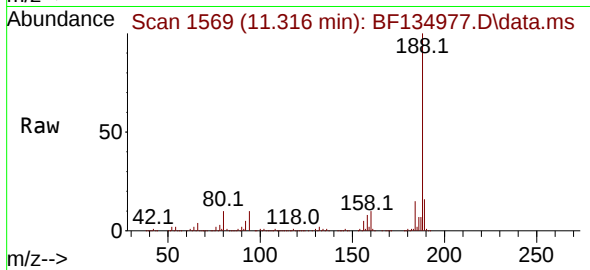
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion:188 Resp: 29322
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.4 7.8 11.6

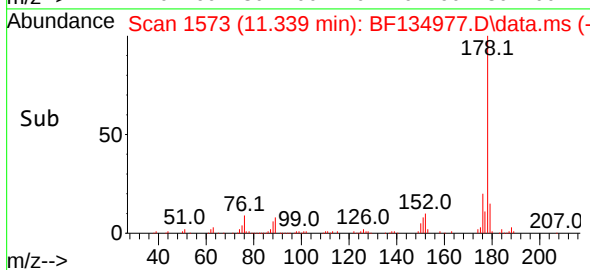
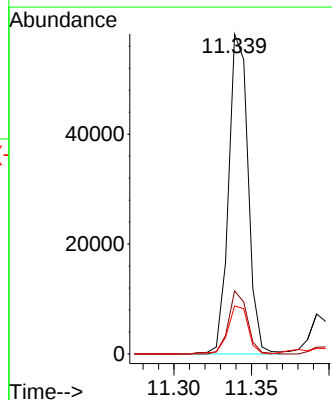
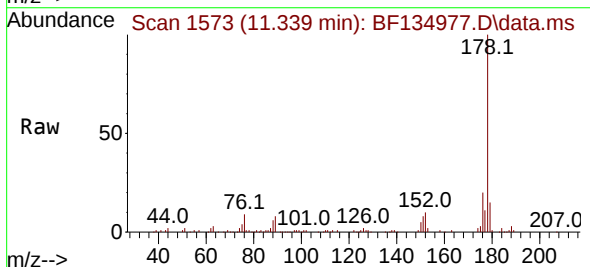
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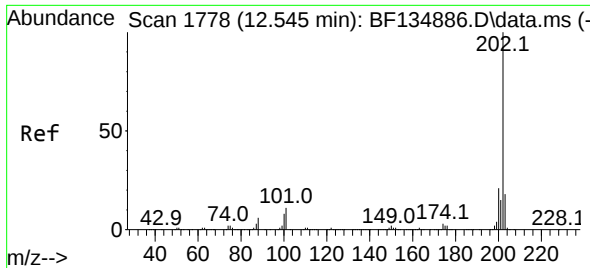
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#71
Phenanthrene
Concen: 3.312 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

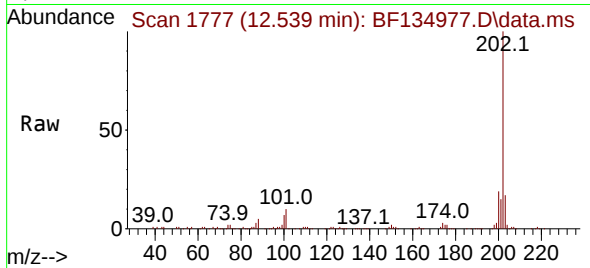
Tgt Ion:178 Resp: 50890
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 6.283 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

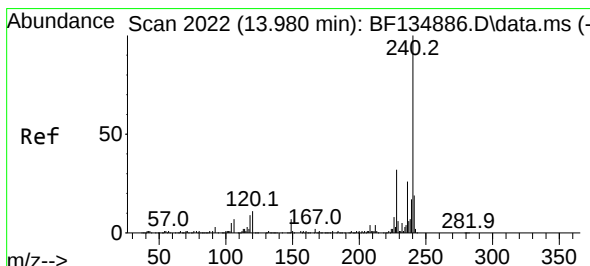
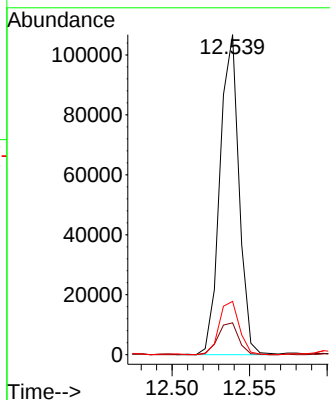
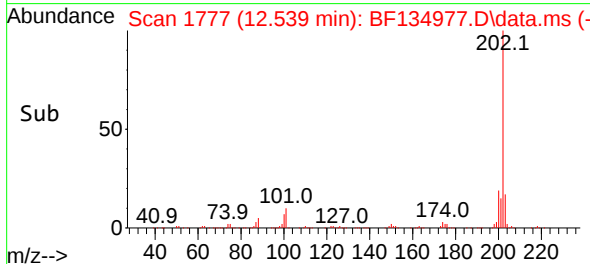
Instrument :
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VNJ-208



Tgt Ion:202 Resp: 9147
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.5
203 16.6 0.0 37.8

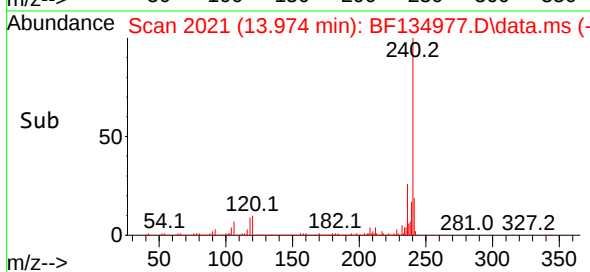
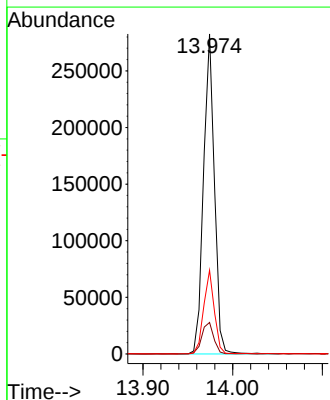
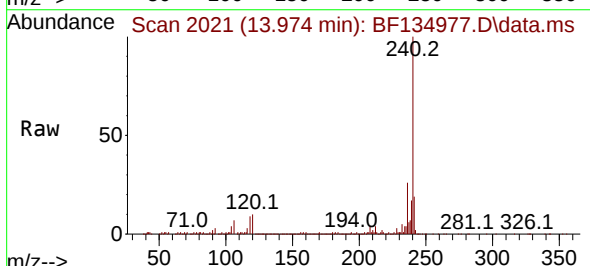
Manual Integrations
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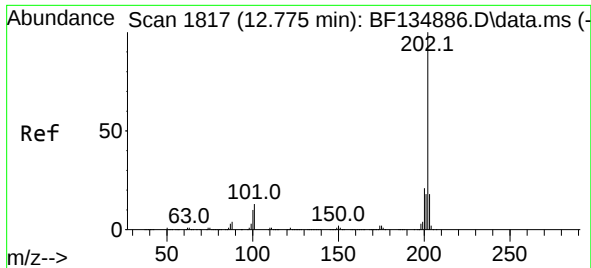
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

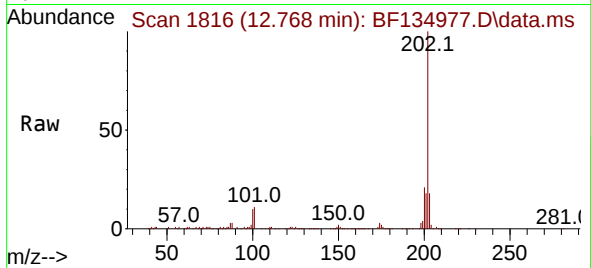
Tgt Ion:240 Resp: 238389
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 26.2 20.6 31.0





#78
Pyrene
Concen: 3.151 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

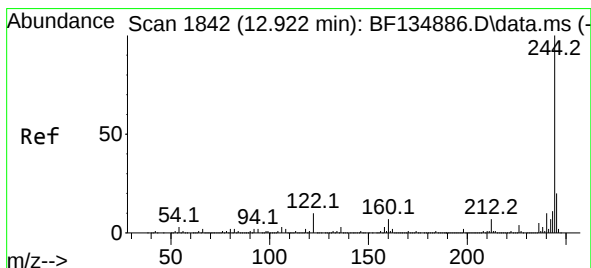
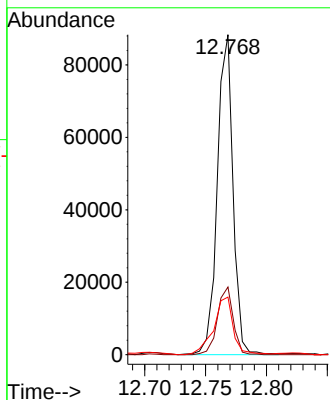
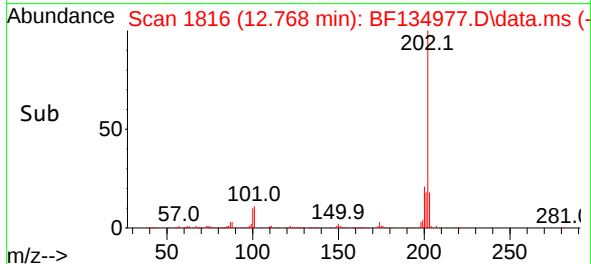
Instrument :
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VNJ-208



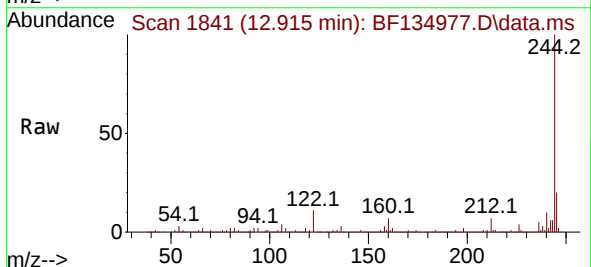
Tgt Ion:202 Resp: 7964
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.0 14.2 21.2

Manual Integrations
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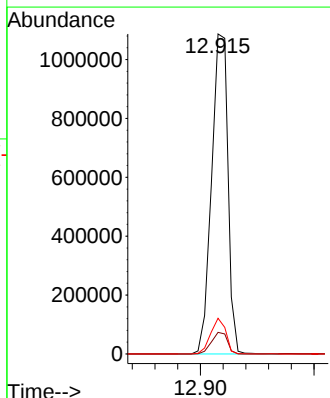
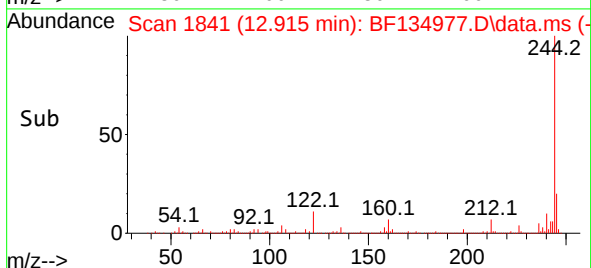
Reviewed By :Yogesh Patel 08/29/2023
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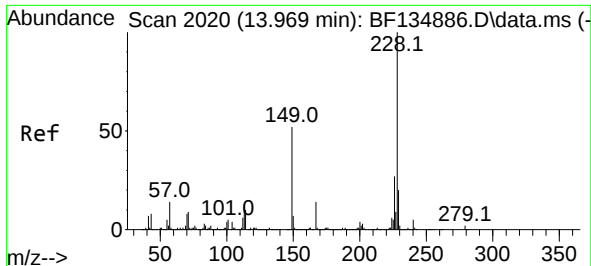


#79
Terphenyl-d14
Concen: 62.885 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.007 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46



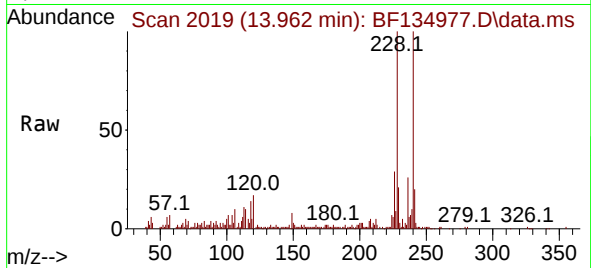
Tgt Ion:244 Resp: 1089939
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 11.2 8.2 12.4





#81
Benzo(a)anthracene
Concen: 2.377 ng
RT: 13.962 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

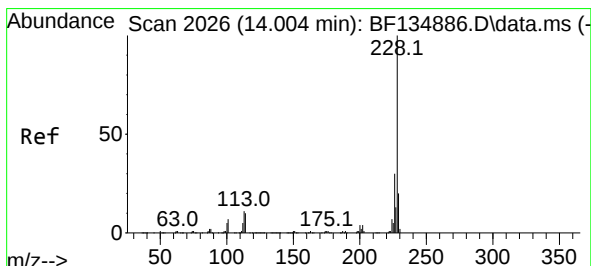
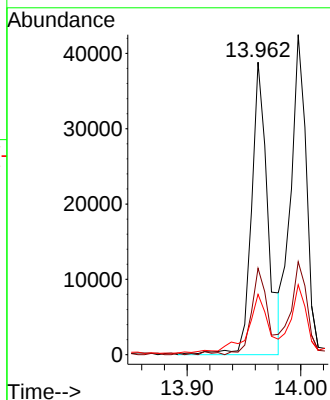
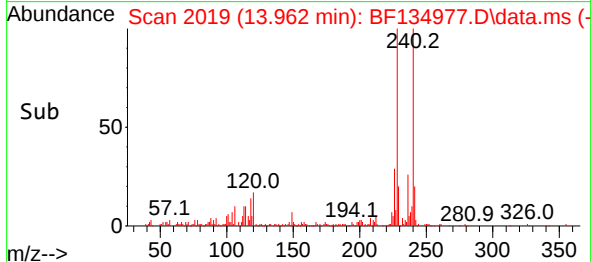
Instrument :
BNA_F
ClientSampleId :
VNJ-208



Tgt Ion:228 Resp: 38654
Ion Ratio Lower Upper
228 100
226 29.6 21.8 32.6
229 20.7 15.6 23.4

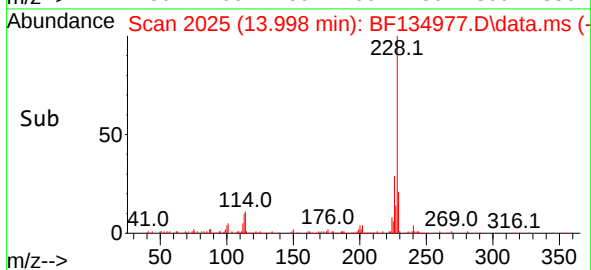
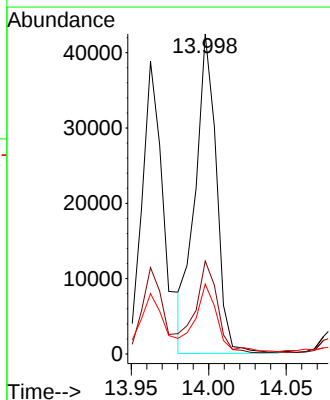
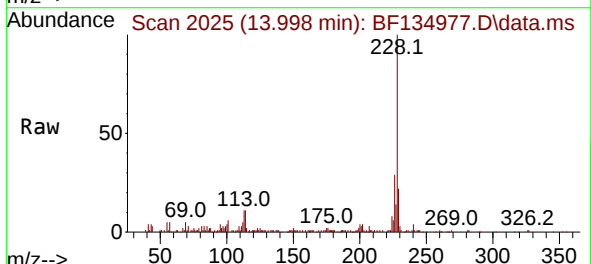
Manual Integrations
APPROVED

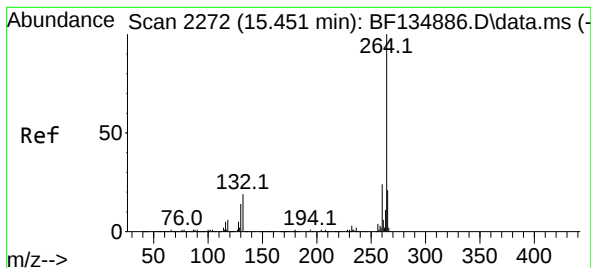
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#83
Chrysene
Concen: 2.530 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

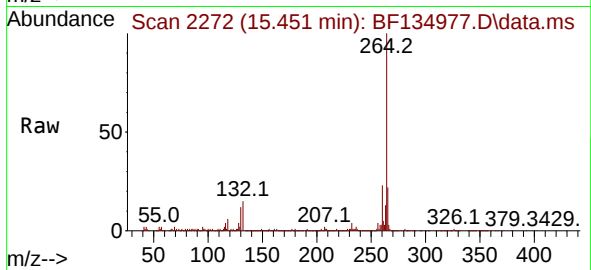
Tgt Ion:228 Resp: 40599
Ion Ratio Lower Upper
228 100
226 29.0 24.2 36.2
229 21.9 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

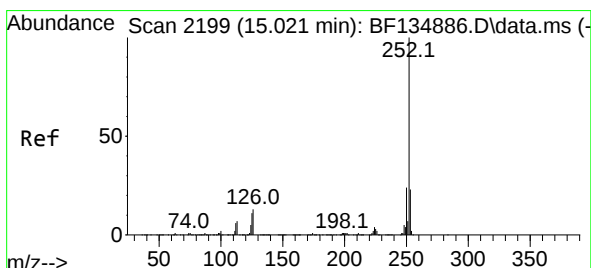
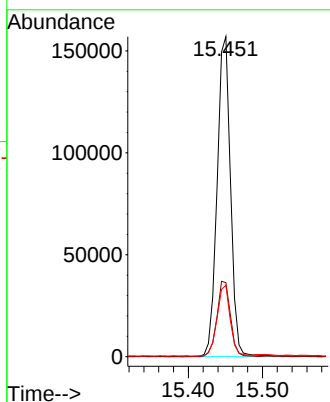
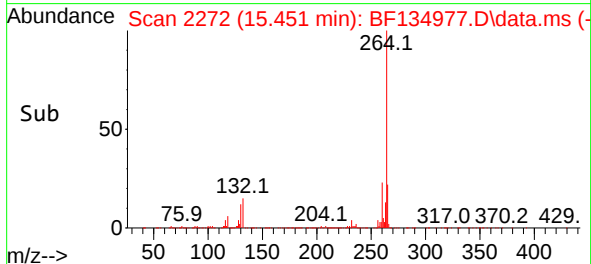
Instrument :
BNA_F
ClientSampleId :
VNJ-208



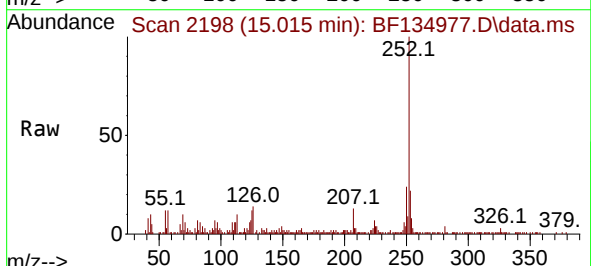
Tgt Ion:264 Resp: 197492
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 22.3 17.1 25.7

Manual Integrations
APPROVED

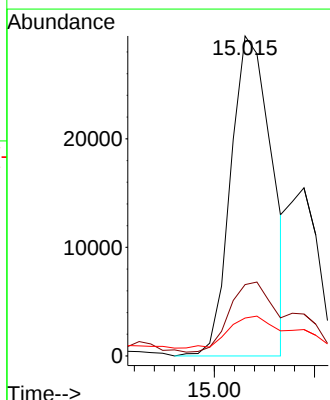
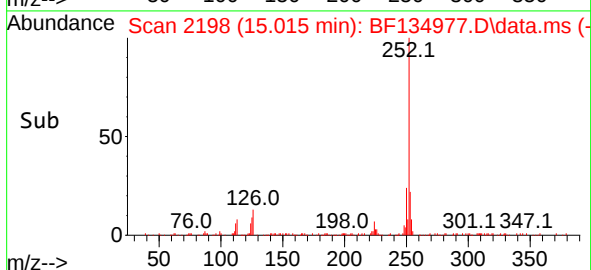
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

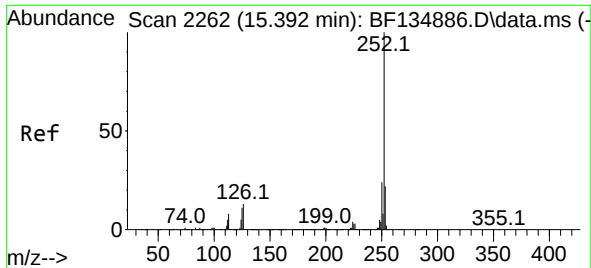


#88
Benzo(b)fluoranthene
Concen: 3.756 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46



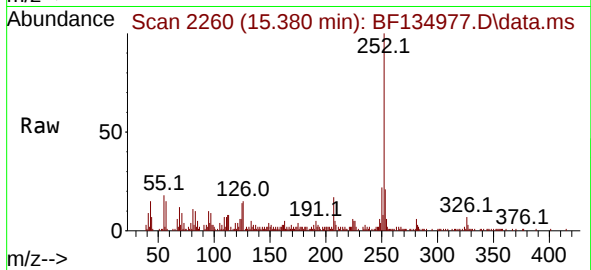
Tgt Ion:252 Resp: 41853
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 11.9 8.4 12.6





#90
Benzo(a)pyrene
Concen: 2.275 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Instrument :
BNA_F
ClientSampleId :
VNJ-208



Tgt Ion:	252	Resp:	2530
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.6	26.4
125	14.1	8.4	12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

