

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135229.D
 Acq On : 13 Sep 2023 18:42
 Operator : CG\JU
 Sample : 04363-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 19:36:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	141287	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	521605	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	238513	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	307632	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	244187	20.000	ng	0.00
86) Perylene-d12	15.415	264	297770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	321344	36.992	ng	0.00
7) Phenol-d6	6.398	99	407534	36.895	ng	0.00
23) Nitrobenzene-d5	7.322	82	251574	26.203	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	79046	33.349	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	496659	31.416	ng	-0.01
79) Terphenyl-d14	12.898	244	320964	20.376	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.322	178	123665	8.500	ng	# 94
72) Anthracene	11.374	178	30983	2.072	ng	# 72
75) Fluoranthene	12.521	202	176001	11.609	ng	96
78) Pyrene	12.751	202	171570	7.380	ng	97
81) Benzo(a)anthracene	13.945	228	103171	6.543	ng	95
83) Chrysene	13.980	228	100323	6.399	ng	97
84) Bis(2-ethylhexyl)phtha...	13.939	149	175523	20.896	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	62427	3.197	ng	95
88) Benzo(b)fluoranthene	14.992	252	156819m	9.729	ng	
89) Benzo(k)fluoranthene	15.015	252	36516m	2.293	ng	
90) Benzo(a)pyrene	15.351	252	96002	6.245	ng	98
92) Benzo(g,h,i)perylene	17.333	276	60703	3.639	ng	96

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

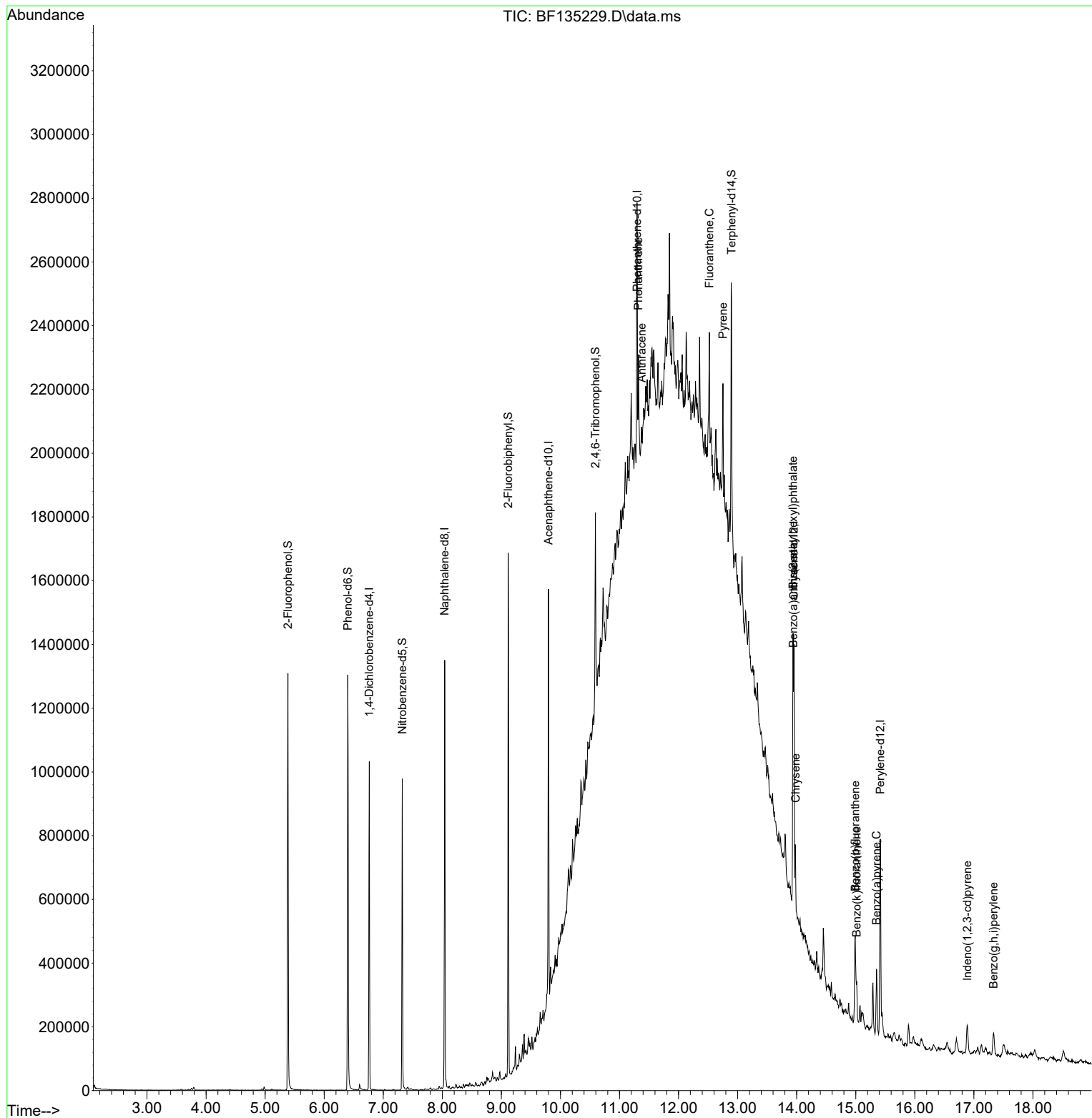
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
Data File : BF135229.D
Acq On : 13 Sep 2023 18:42
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ALS Vial : 8 Sample Multiplier: 1

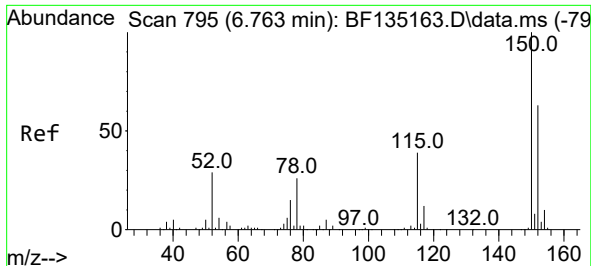
Instrument :
BNA_F
ClientSampleId :
VNJ-222

Quant Time: Sep 13 19:36:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
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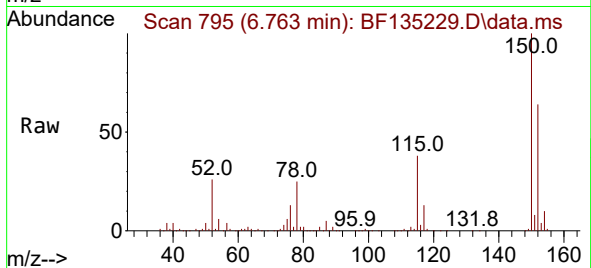
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

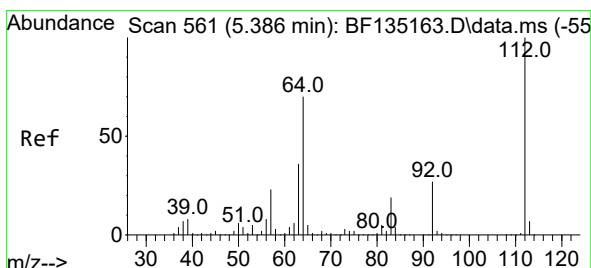
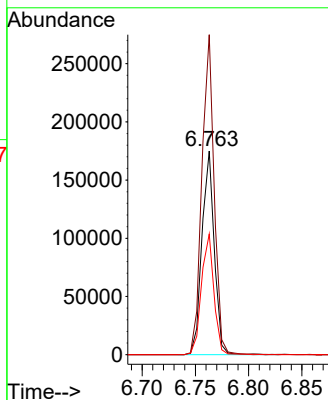
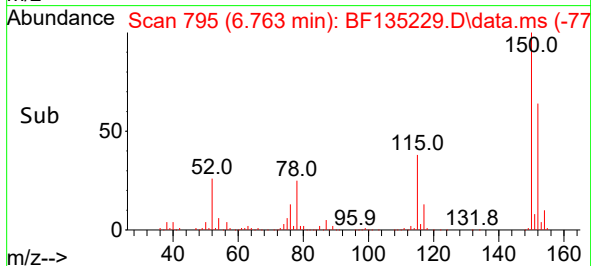
Instrument :
BNA_F
ClientSampleId :
VNJ-222



Tgt Ion:152 Resp: 14128
Ion Ratio Lower Upper
152 100
150 157.1 127.8 191.6
115 59.3 49.8 74.8

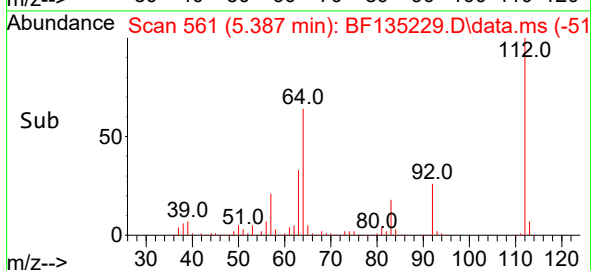
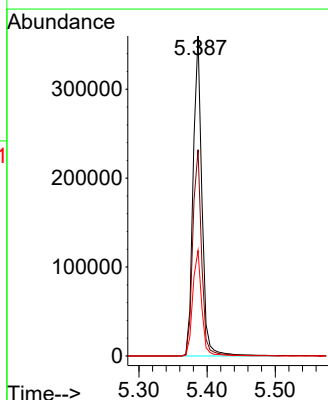
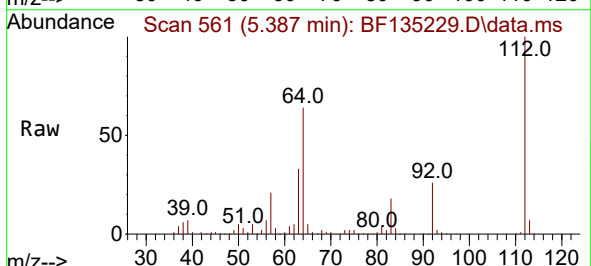
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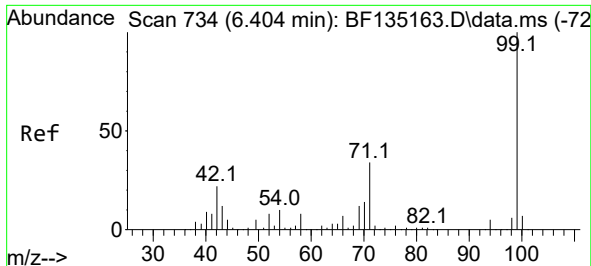
Reviewed By :Yogesh Patel 09/14/2023
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#5
2-Fluorophenol
Concen: 36.992 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

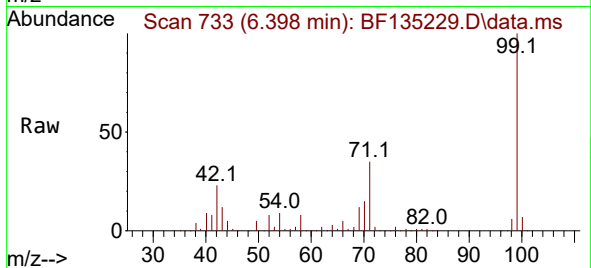
Tgt Ion:112 Resp: 321344
Ion Ratio Lower Upper
112 100
64 64.4 55.9 83.9
63 32.9 29.0 43.6





#7
Phenol-d6
Concen: 36.895 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

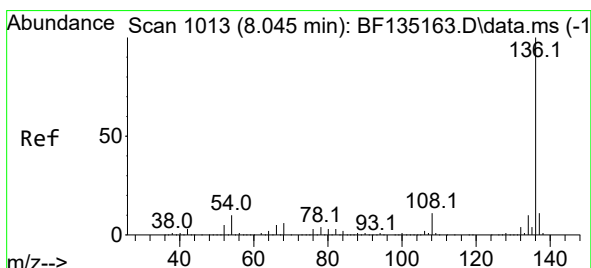
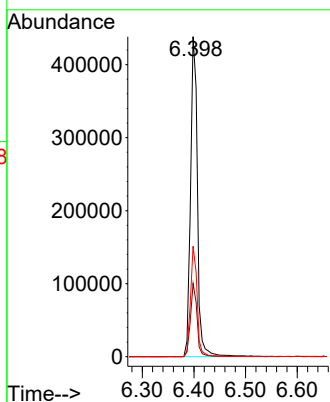
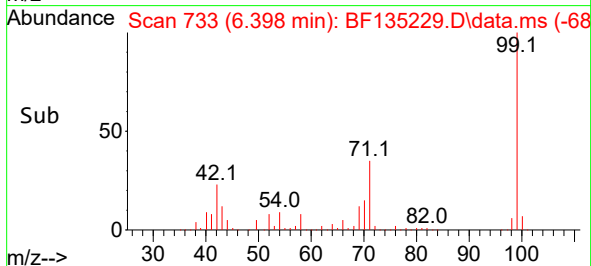
Instrument :
BNA_F
ClientSampleId :
VNJ-222



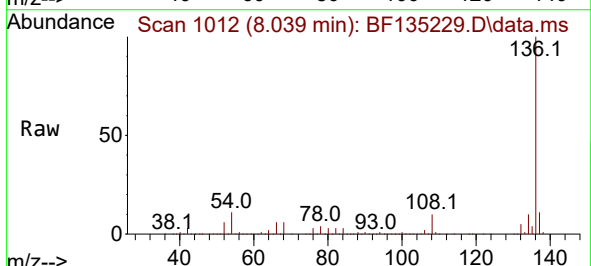
Tgt Ion: 99 Resp: 407534
Ion Ratio Lower Upper
99 100
42 22.9 17.9 26.9
71 34.5 27.0 40.6

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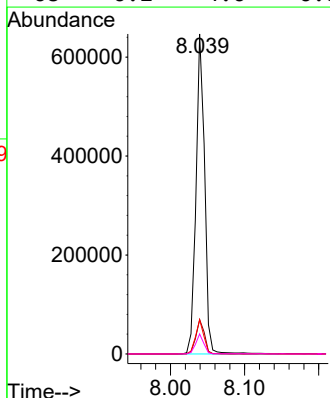
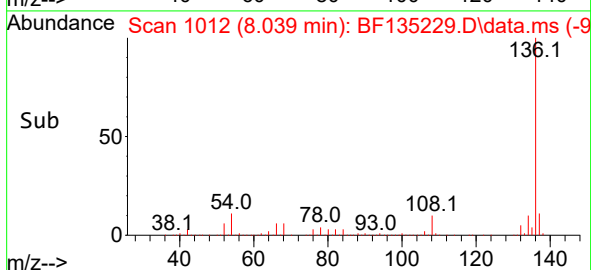
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

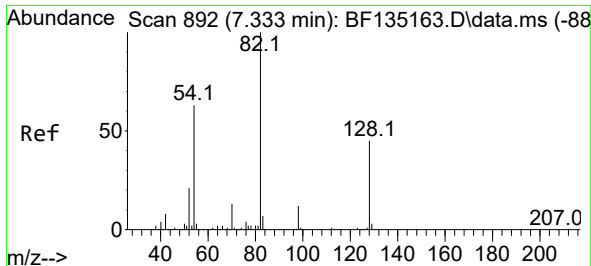


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42



Tgt Ion:136 Resp: 521605
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.7 7.7 11.5
68 6.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 26.203 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135229.D

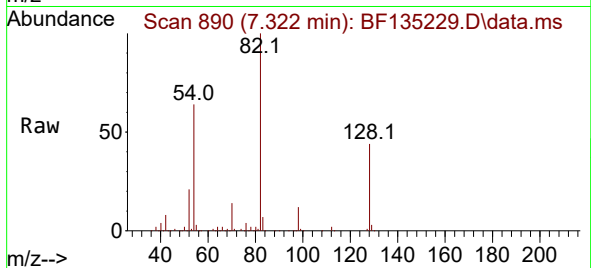
Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222



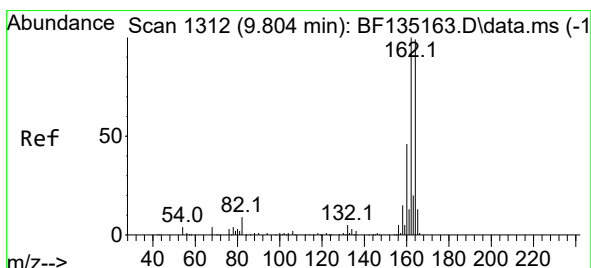
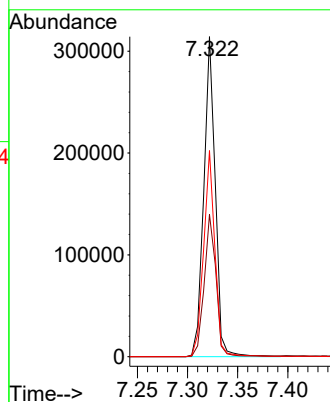
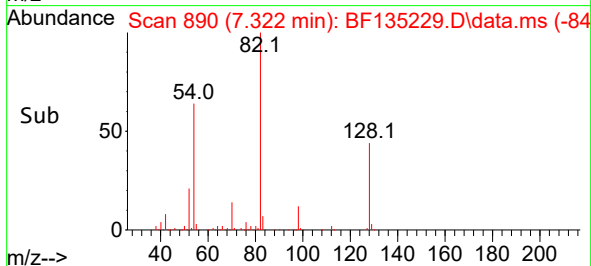
Tgt Ion:	82	Resp:	251574
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.8	53.6
54	64.4	50.6	76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

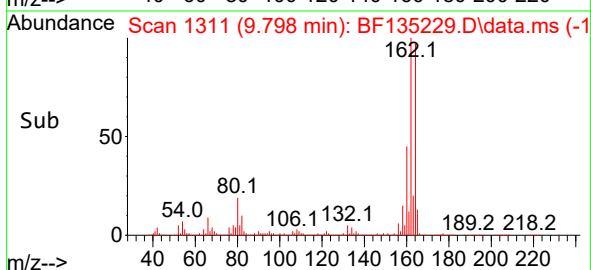
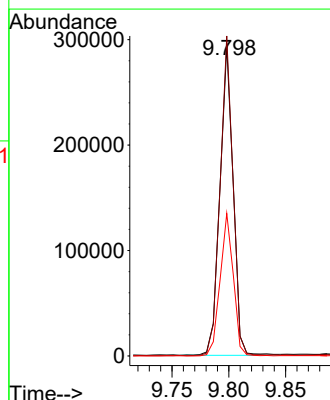
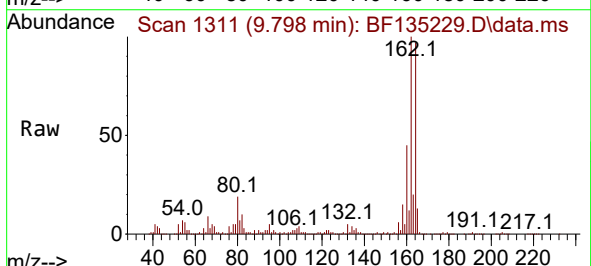
RT: 9.798 min Scan# 1311

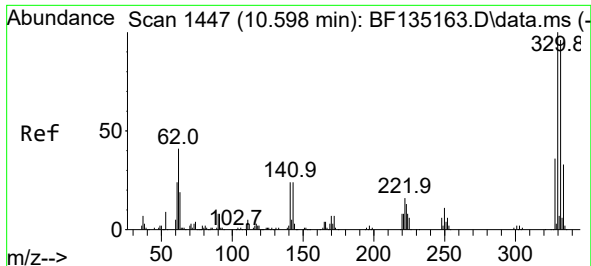
Delta R.T. -0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

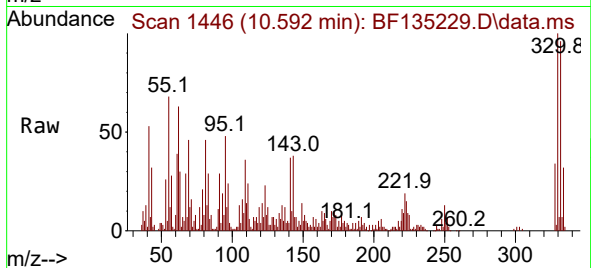
Tgt Ion:	164	Resp:	238513
Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.0	121.4
160	46.0	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 33.349 ng
RT: 10.592 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

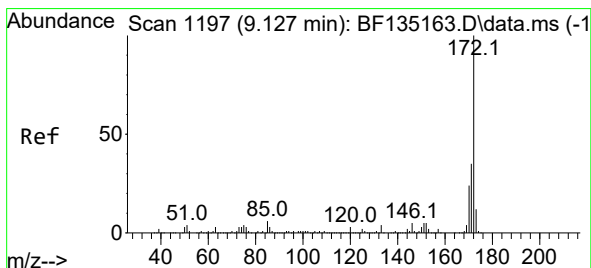
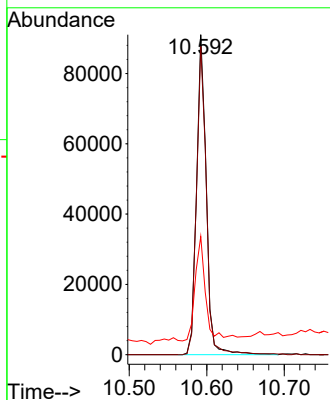
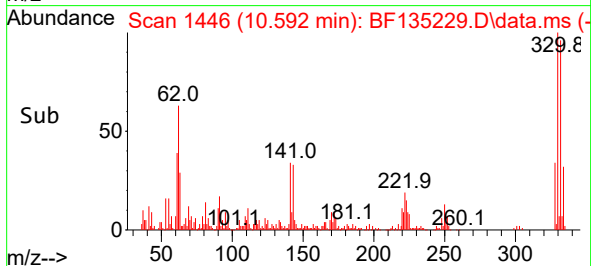
Instrument :
BNA_F
ClientSampleId :
VNJ-222



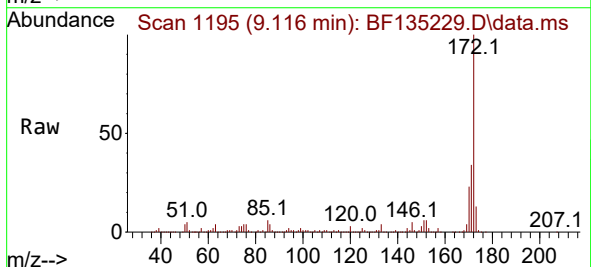
Tgt Ion:330 Resp: 79040
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 35.0 25.8 38.8

Manual Integrations
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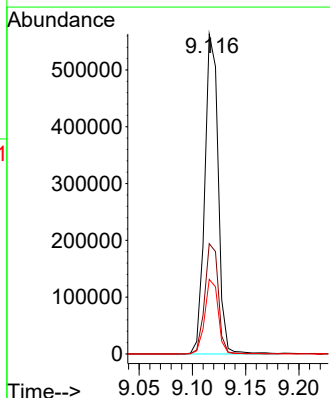
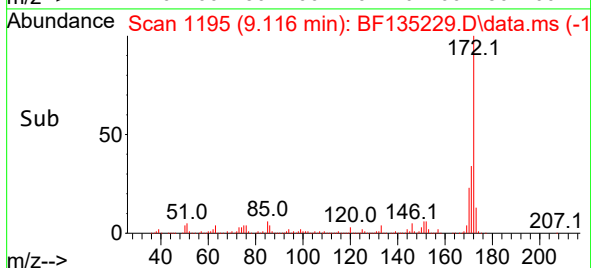
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

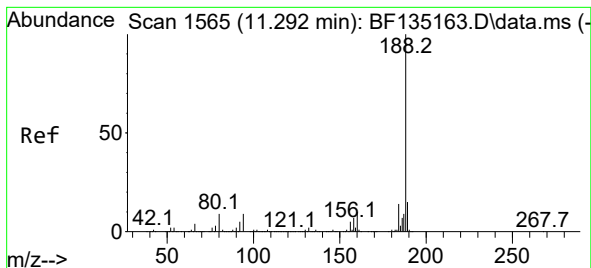


#45
2-Fluorobiphenyl
Concen: 31.416 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42



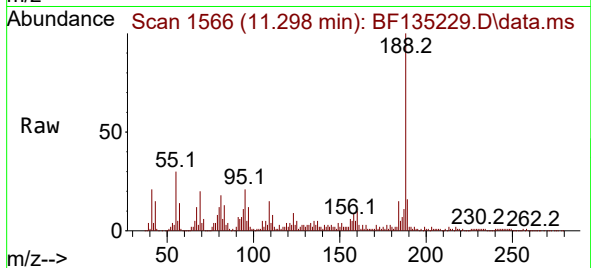
Tgt Ion:172 Resp: 496659
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.3 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

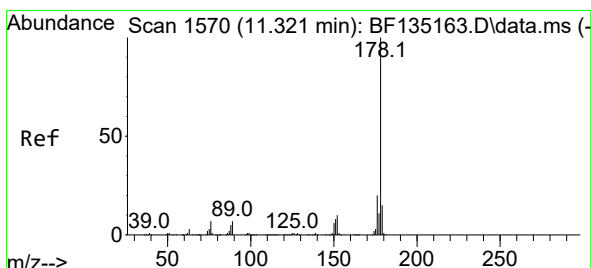
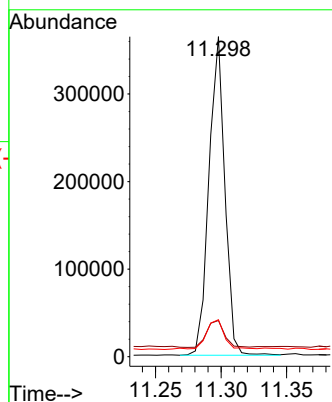
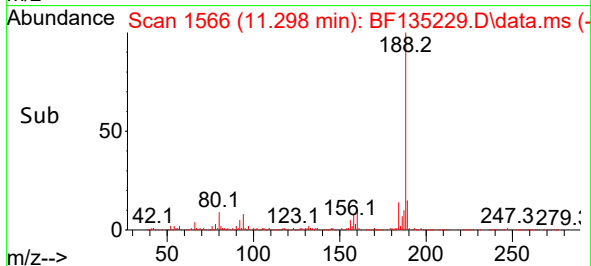
Instrument :
BNA_F
ClientSampleId :
VNJ-222



Tgt Ion:188 Resp: 307632
Ion Ratio Lower Upper
188 100
94 11.3 7.0 10.6
80 11.5 7.5 11.3

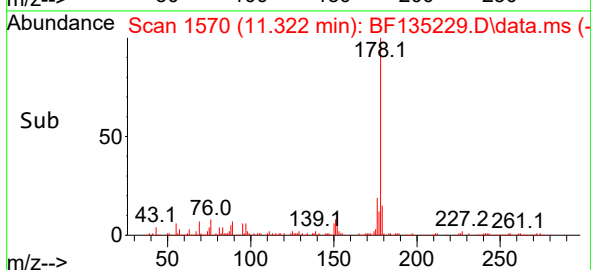
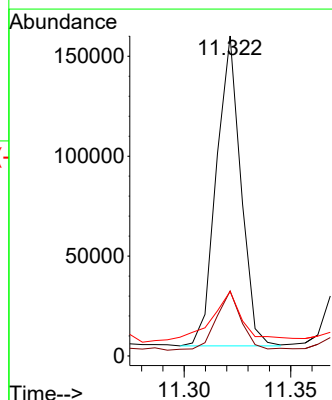
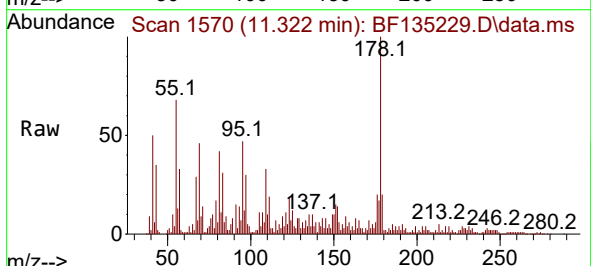
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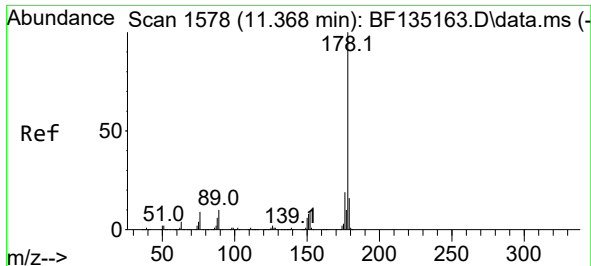
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#71
Phenanthrene
Concen: 8.500 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

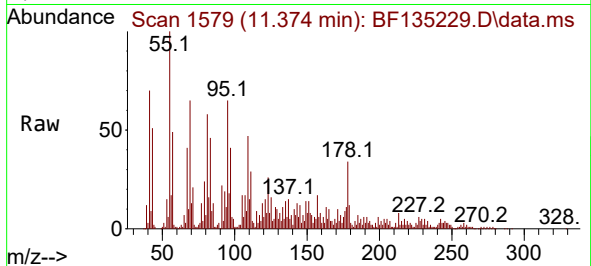
Tgt Ion:178 Resp: 123665
Ion Ratio Lower Upper
178 100
176 20.3 15.6 23.4
179 20.1 12.0 18.0





#72
 Anthracene
 Concen: 2.072 ng
 RT: 11.374 min Scan# 1578
 Delta R.T. 0.006 min
 Lab File: BF135229.D
 Acq: 13 Sep 2023 18:42

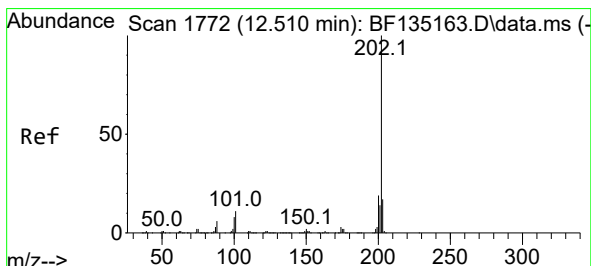
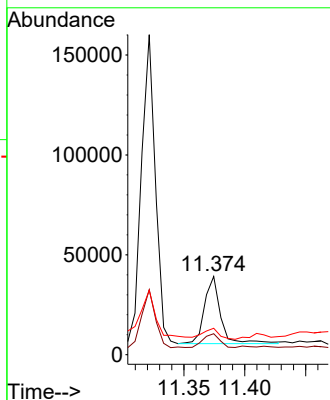
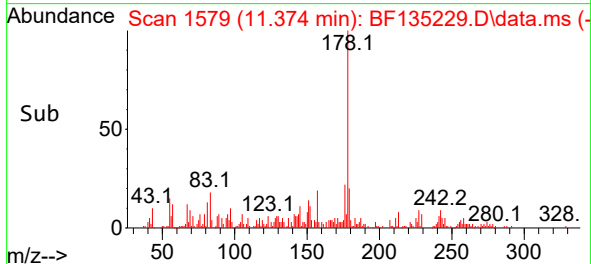
Instrument :
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 VNJ-222



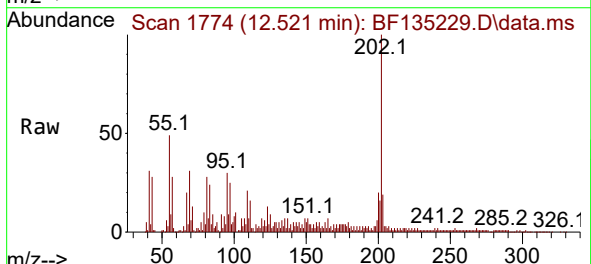
Tgt Ion:178 Resp: 3098
 Ion Ratio Lower Upper
 178 100
 176 26.8 15.4 23.2
 179 33.7 12.6 19.0

Manual Integrations
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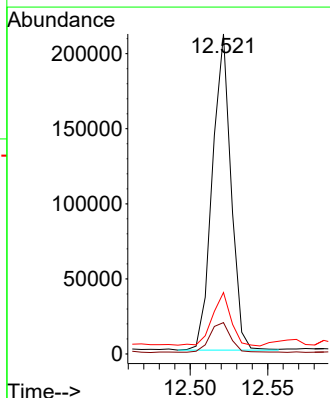
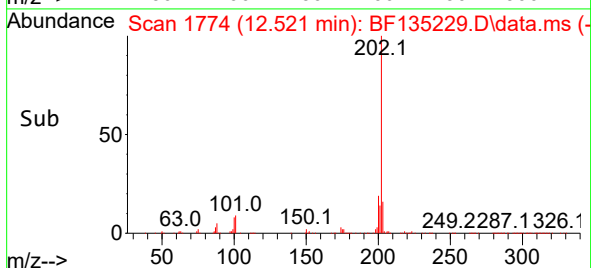
Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

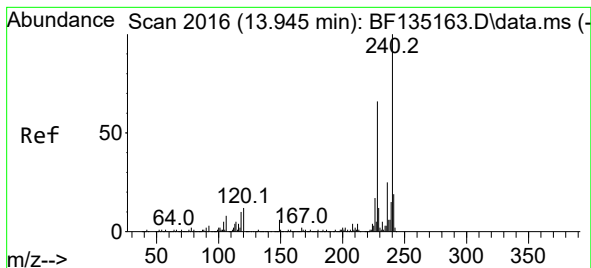


#75
 Fluoranthene
 Concen: 11.609 ng
 RT: 12.521 min Scan# 1774
 Delta R.T. 0.012 min
 Lab File: BF135229.D
 Acq: 13 Sep 2023 18:42



Tgt Ion:202 Resp: 176001
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.3
 203 19.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

Instrument :

BNA_F

ClientSampleId :

VNJ-222

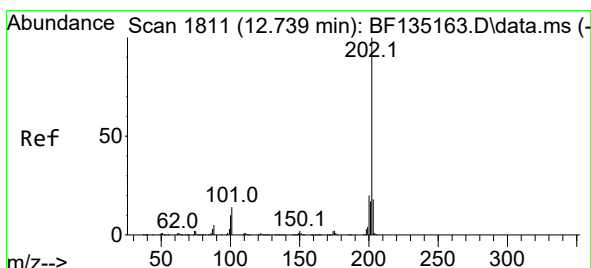
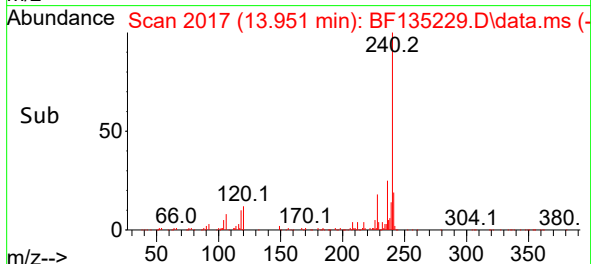
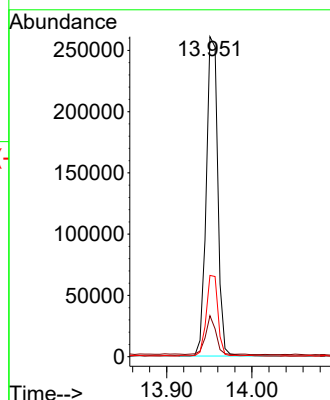
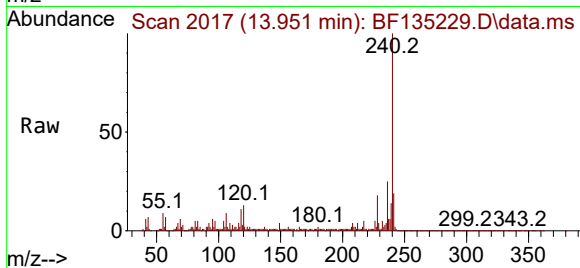
Tgt Ion:240 Resp: 24418
 Ion Ratio Lower Upper
 240 100
 120 12.8 9.4 14.2
 236 25.4 19.8 29.8

Manual Integrations

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Supervised By :mohammad ahmed 09/14/2023



#78

Pyrene

Concen: 7.380 ng

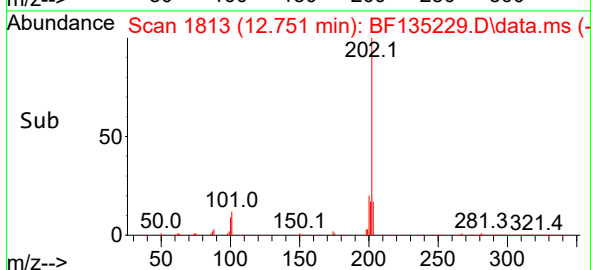
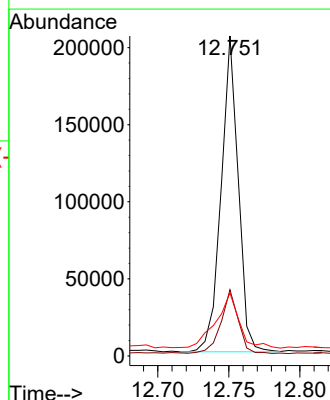
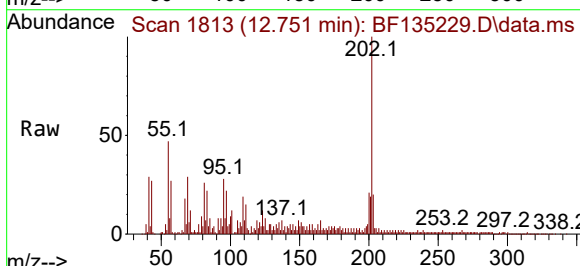
RT: 12.751 min Scan# 1813

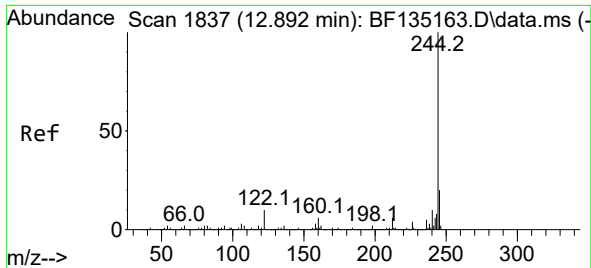
Delta R.T. 0.012 min

Lab File: BF135229.D

Acq: 13 Sep 2023 18:42

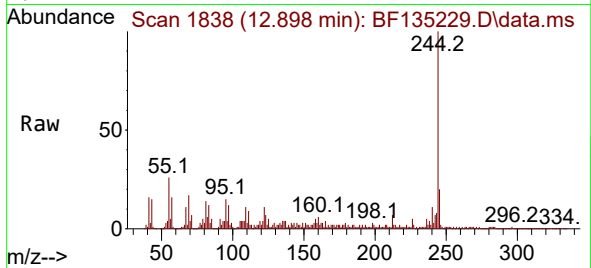
Tgt Ion:202 Resp: 171570
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.2 24.2
 203 19.7 14.2 21.4





#79
 Terphenyl-d14
 Concen: 20.376 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. 0.006 min
 Lab File: BF135229.D
 Acq: 13 Sep 2023 18:42

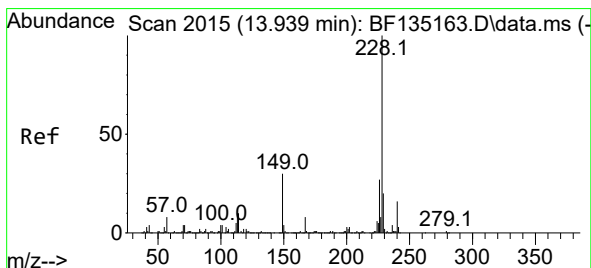
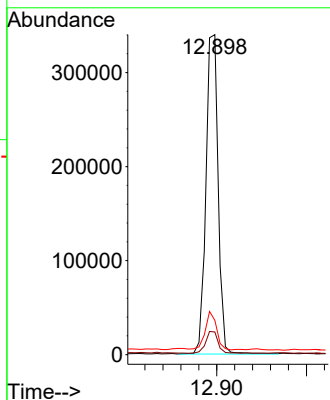
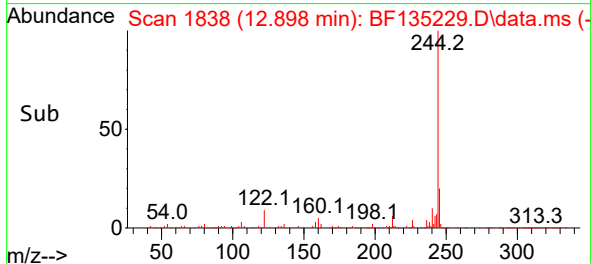
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222



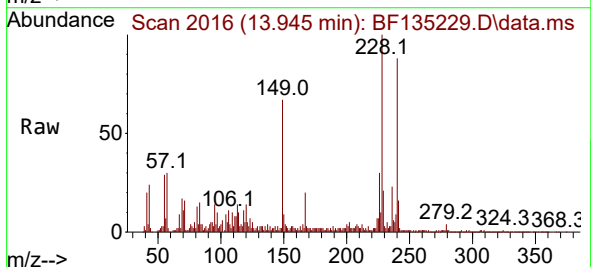
Tgt Ion:244 Resp: 320964
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.1 7.7
 122 10.7 7.9 11.9

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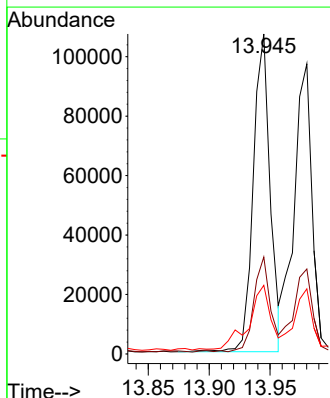
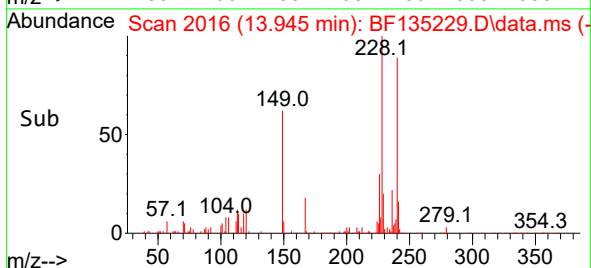
Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

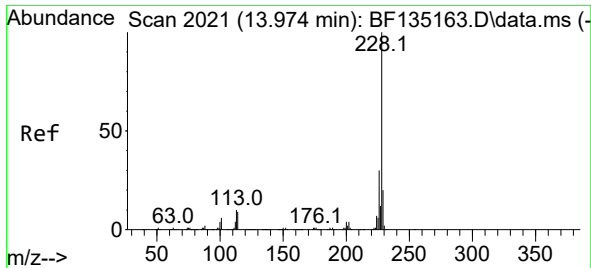


#81
 Benzo(a)anthracene
 Concen: 6.543 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: BF135229.D
 Acq: 13 Sep 2023 18:42



Tgt Ion:228 Resp: 103171
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.7 32.5
 229 21.5 15.8 23.8





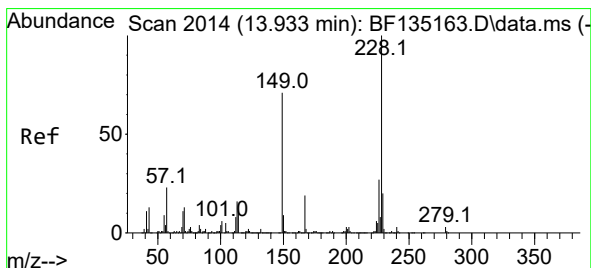
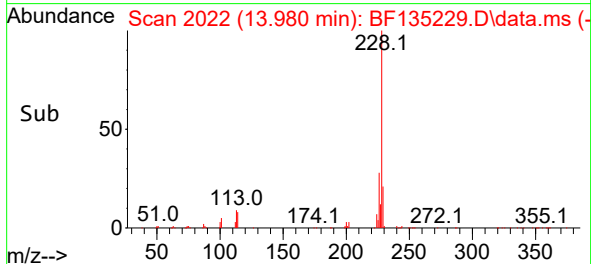
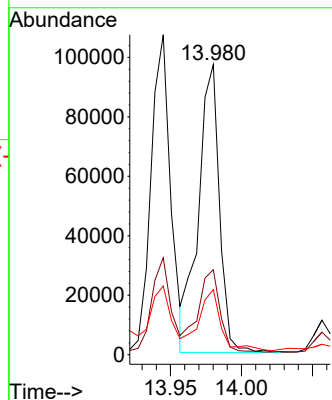
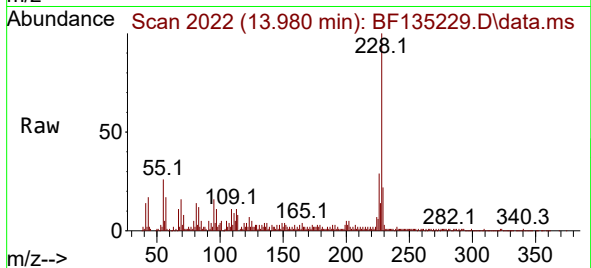
#83
Chrysene
Concen: 6.399 ng
RT: 13.980 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion:228 Resp: 10032
Ion Ratio Lower Upper
228 100
226 29.3 24.3 36.5
229 22.5 16.0 24.0

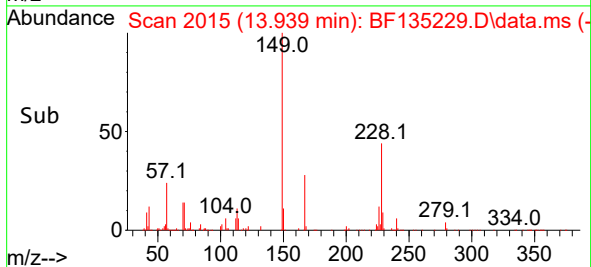
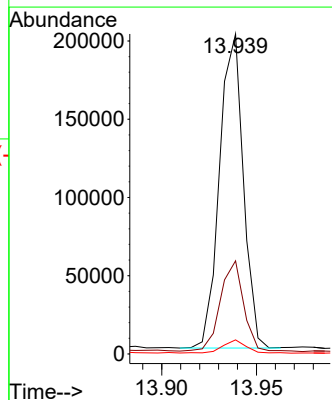
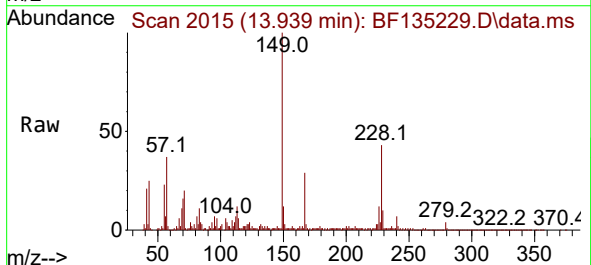
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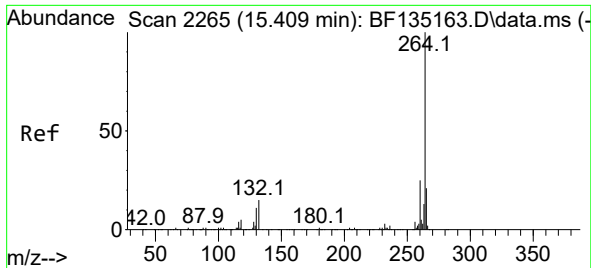
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 20.896 ng
RT: 13.939 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

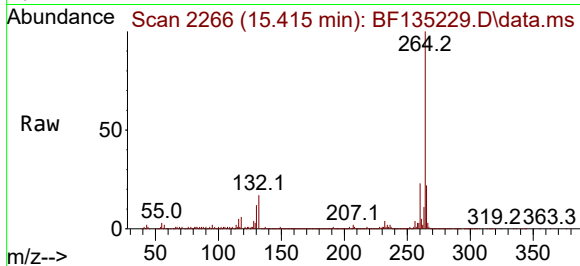
Tgt Ion:149 Resp: 175523
Ion Ratio Lower Upper
149 100
167 29.1 21.9 32.9
279 4.4 3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

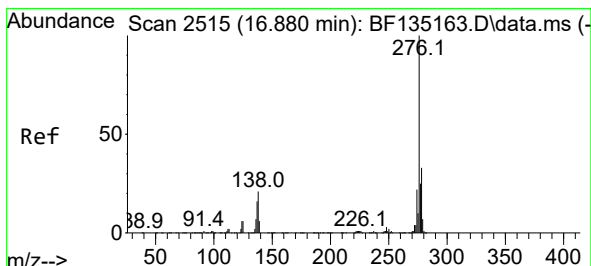
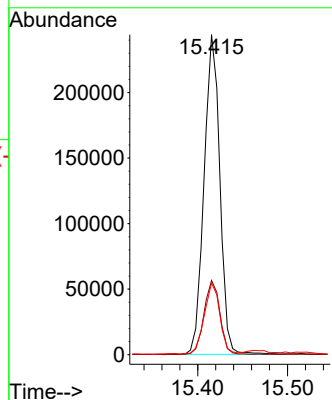
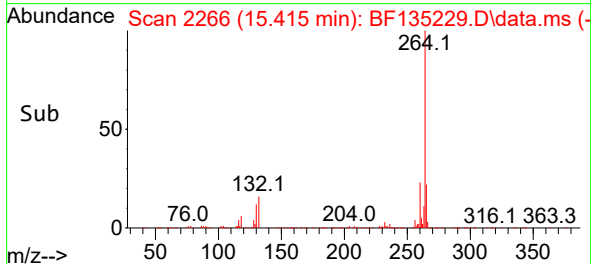
Instrument :
BNA_F
ClientSampleId :
VNJ-222



Tgt Ion:264 Resp: 297770
Ion Ratio Lower Upper
264 100
260 23.2 19.8 29.6
265 22.5 17.0 25.4

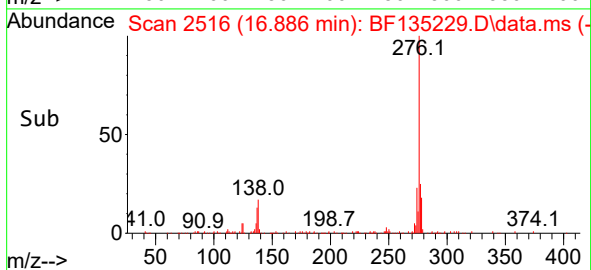
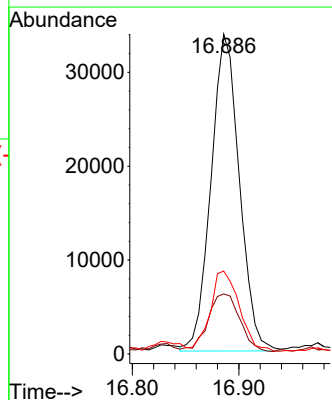
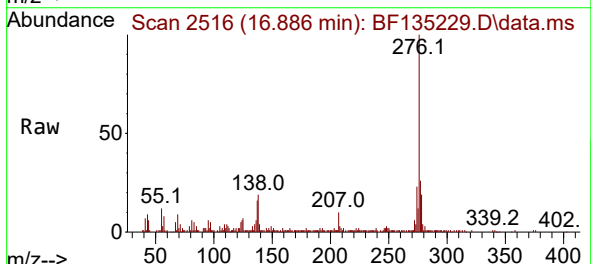
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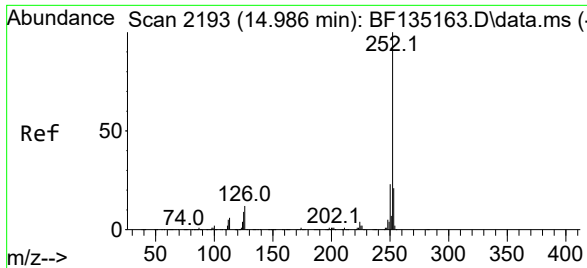
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.197 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

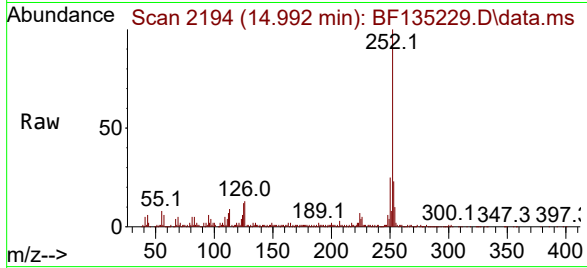
Tgt Ion:276 Resp: 62427
Ion Ratio Lower Upper
276 100
138 20.5 19.2 28.8
277 26.0 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 9.729 ng m
RT: 14.992 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

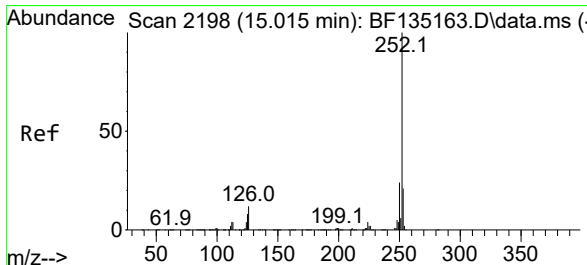
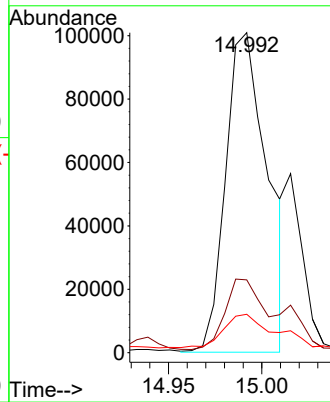
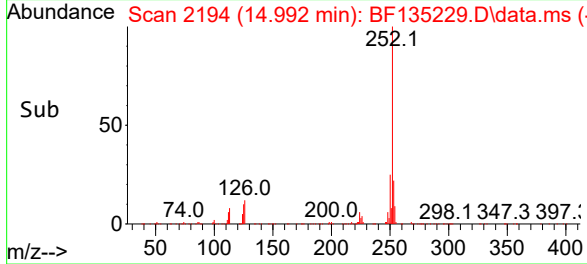
Instrument :
BNA_F
ClientSampleId :
VNJ-222



Tgt Ion:252 Resp: 156819
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 12.0 7.1 10.7

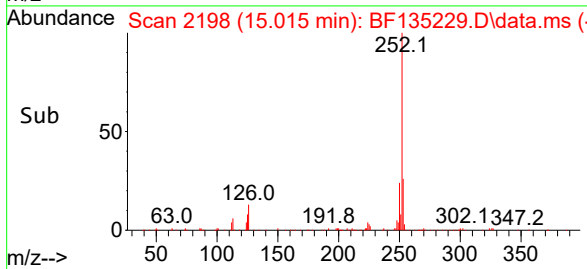
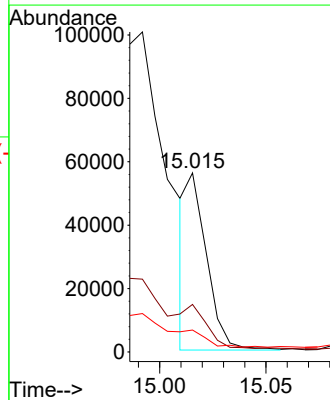
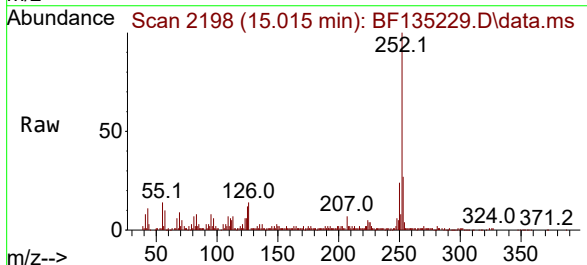
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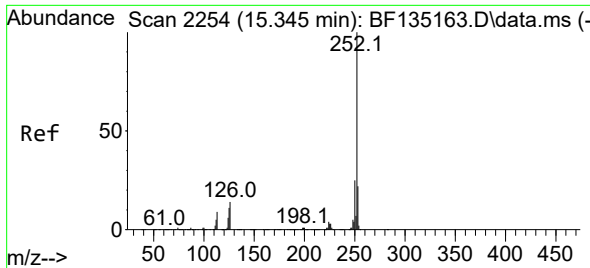
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#89
Benzo(k)fluoranthene
Concen: 2.293 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

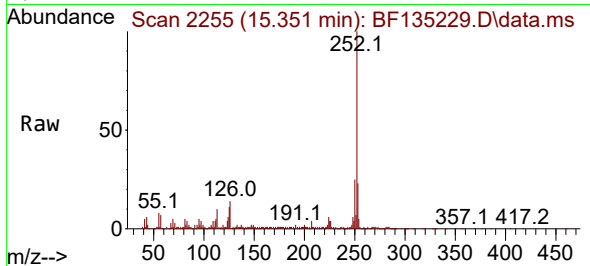
Tgt Ion:252 Resp: 36516
Ion Ratio Lower Upper
252 100
253 26.5 17.4 26.0#
125 12.3 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 6.245 ng
RT: 15.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42

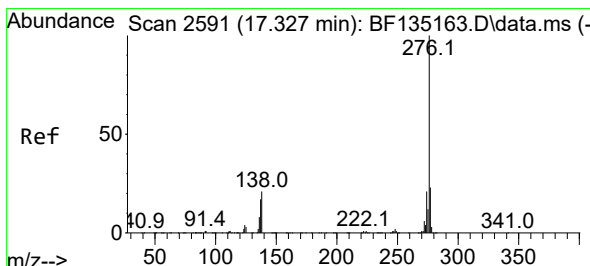
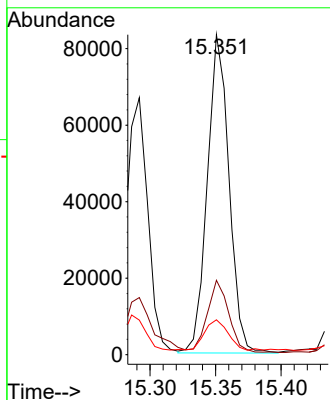
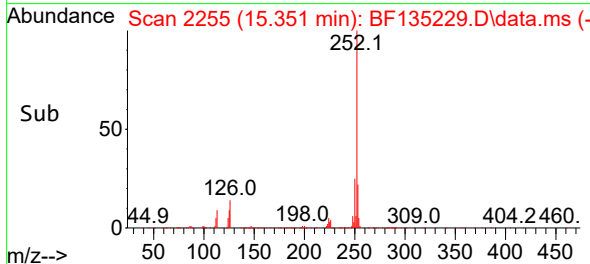
Instrument :
BNA_F
ClientSampleId :
VNJ-222



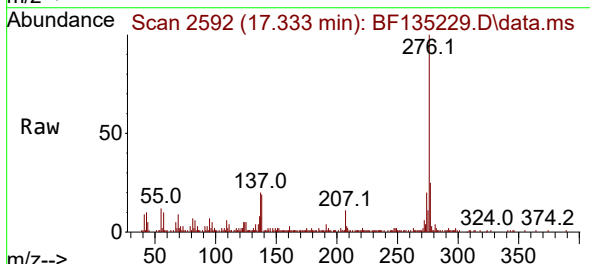
Tgt Ion:252 Resp: 9600
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 10.9 9.2 13.8

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Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#92
Benzo(g,h,i)perylene
Concen: 3.639 ng
RT: 17.333 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF135229.D
Acq: 13 Sep 2023 18:42



Tgt Ion:276 Resp: 60703
Ion Ratio Lower Upper
276 100
277 25.3 18.8 28.2
138 18.6 16.9 25.3

